

Due to a continuous program of research and development, some procedures, specifications and parts may be altered in a constant effort to improve machines.

Periodic revisions may be made to this publication and mailed automatically to distributors. It is recommended that customers contact their distributor or dealer for information on the latest revision.

**TD-15 SERIES B
CRAWLER TRACTOR
AND
TRACTOR EQUIPMENT**

**FORM
PC-TD15B-1**

FEBRUARY, 1971

*(Includes Partial Rev. No. 1 Dated 10-71)
(Supersedes FORM PC-TD15B)*

See Last Page for "New and Displaced Parts List"

The Importance of ADEQUATE PARTS and SERVICE

The wise purchaser of a new machine gives consideration to the following factors:

1. *Original quality*
2. *Availability of service parts*
3. *Availability of adequate service facilities*

In many cases the machine becomes the only means of performing certain tasks that must be done in a limited period of time. Wear is to be expected and under extreme conditions even breakage of parts may occur. However, the user can still be assured of getting his work done on time if service parts and adequate service facilities are available.

Foresighted International Harvester distributors and dealers make every effort to provide good service and maintain a completely adequate stock of service parts.

When in need of parts, always give the International Construction Equipment distributor or dealer your serial numbers. We suggest that you write these serial numbers in the spaces provided below, for ready reference when parts are required.

Chassis Serial No. _____

(Stamped on plate on right side of clutch housing and on upper right hand side near rear face of rear main frame)

Engine Serial No. _____

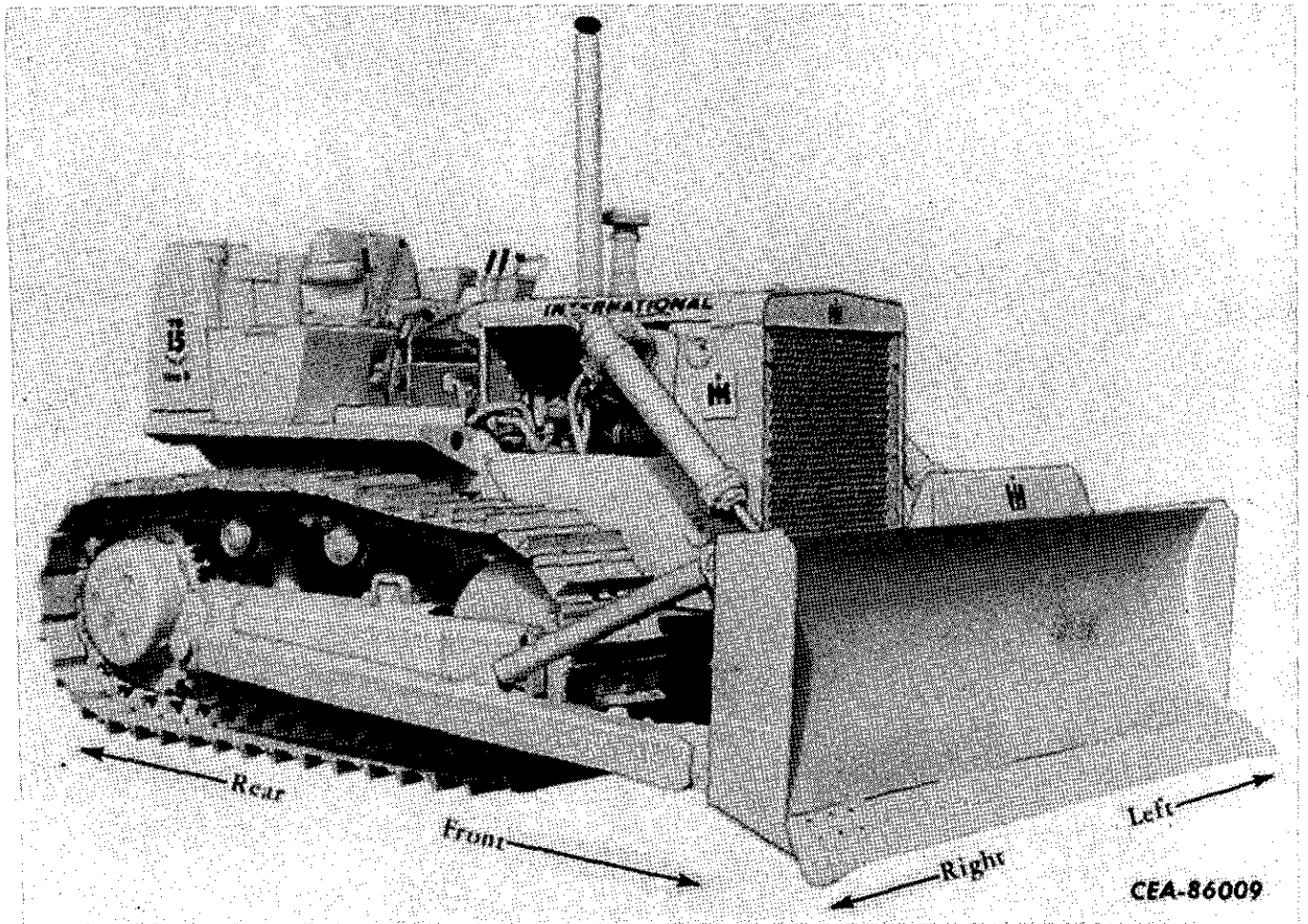
(DT-361 stamped on pad on left side of crankcase above oil cooler)
(DT-407 stamped on pad on left side of engine crankcase below the air intake elbow)

INSTRUCTIONS FOR ORDERING PARTS

- (a) All parts orders should be sent to parts depot when so instructed. Give complete address, state the county and railroad station (when shipping point is different than post office), also whether shipment is to go by parcel post, express, truck, or freight.
- (b) When ordering parts, give the IH part number, including suffix or prefix letters. To facilitate identification of these parts, "Complete Serial Numbers" (including letters and numerals) assigned to machines, if any, should be furnished.
- (c) Parts should be ordered on the standard parts order blank. The parts should be arranged in sequence by part numbers to facilitate service on orders at the parts depot.
- (d) Claims for shortage or error in the handling of an order for parts must be made upon receipt of goods.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so.

We reserve the right to make changes or add improvements in the design or construction of parts at any time without incurring the obligation to install such changes on products previously delivered.



TD-15 SERIES B Crawler Tractor equipped with hydraulic operated bulldozer.

MEMORANDA

INTRODUCTION

This catalog contains a list of parts for the following:

CRAWLER TRACTORS

TD-15 SERIES B	Manual Shift
TD-15 SERIES B	Manual Shift Back Filler
TD-15 SERIES B	Manual Shift Sideboom
TD-15 SERIES B	Manual Shift Agricultural*
TD-15 SERIES B	Manual Shift Custom Application +
TD-15 SERIES B	Power Shift
TD-15 SERIES B	Power Shift Sideboom

(* - The agricultural tractor is a manual shift tractor equipped with a DT-361 engine only. The parts will be identified throughout this catalog as "Agr" tractor.)

(+ - The custom application tractor is a manual shift tractor equipped with a DT-407 engine only. The parts will be identified throughout this catalog as "Custom" tractor.)

These crawler tractors have a DT-361 six-cylinder 4-1/8 x 4-1/2 inch turbocharged diesel engine or a DT-407 six-cylinder 4-5/16 x 4-5/8 inch turbocharged diesel engine.

CABLE OPERATED BULLGRADERS AND BULLDOZERS

Model 15B D-1	Bulldozer
Model 15B D-3	Bulldozer
Model 15B G-1	Bullgrader
Model 15B G-3	Bullgrader

HYDRAULIC OPERATED BULLGRADERS AND BULLDOZERS

Model 15B D-2	Bulldozer
Model 15B G-2	Bullgrader

CABLE CONTROL UNITS

Model 110	Single drum front mounted
Model 15-260	Double drum rear mounted
Model 15-260S	Single drum rear mounted

(Refer to paragraph 9 for key to model numbers and letters.)

Following is a brief summary of the system used in compiling this catalog. It is to your advantage to carefully study this summary.

This catalog is printed in a double column page format, and is divided into four sections---Introductory Pages, Index, Illustrations and Parts Lists, and Numerical Index.

(1) INDEXES. Two types of indexes are used. The index alphabetically lists all of the units by page number. The numerical index at the back of the catalog lists all part numbers (excluding standard fasteners) giving the page number where the part is listed.

NOTE - Refer frequently to the Index to Units to save time in locating the proper unit.

(2) ILLUSTRATIONS. Parts in this catalog are illustrated by the "exploded view" method. Individual parts in each illustration are shown where they belong in relation to one another. Reference numbers only are shown in each illustration. These numbers correspond with numbers in the Reference Number column in the accompanying list of parts. Parts in illustrations without reference numbers are the same as duplicate parts with reference numbers.

CAUTION: Reference numbers should not be used when ordering parts. Always use IH part numbers or description when ordering.

(3) METHOD OF LISTING. The parts list of each classification is divided into units. Parts are listed in order according to reference number shown in the illustration, followed by a full description based upon the "noun first" method---i. e., the noun name of the part is listed first then the modifying descriptive information which serves to specifically identify the item. For example: SHAFT w/two PLUGS ASSEMBLY, valve lever. Parts not shown in illustrations appear at end of list in alphabetical sequence by noun name. Parts listed will work on all units covered in this catalog unless a serial number or other qualifying designation is given for purpose of identification.

Throughout this catalog the terms "Front" indicates the radiator end. Whenever the terms "Right" or "Left" are used it should be understood to mean from a rear position looking toward the radiator end.

(4) NUMBER REQUIRED. In this new double-column catalog format the single "No. Req'd." column is eliminated and the quantity used of each item is shown in parenthesis (4) following the description of the item. Where no quantity is indicated it should be understood to mean that only one (1) is required.

In many parts lists it is possible to include more than one assembly or attachment. The assemblies or attachments are listed at the beginning of the parts lists with the letters A, B, C, etc., preceding the part number of the assembly or attachment. The number required information is shown in parenthesis following the description of the parts. When letters (A, B, C, etc.) are shown without a quantity it should be understood to mean only one (1) is required. Parts without letters after the description indicate the part is used for all assemblies or attachments listed in the heading.

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(5) ASSEMBLIES AND ATTACHMENTS. Wherever possible the component parts of assemblies or attachments are shown in the "exploded views" by use of boxes, brackets or arrows. Component parts of assemblies or attachments are listed by one of the following methods.

(a) The listings are fully covered by descriptions for simple assemblies and attachments.

(b) When four or more parts are contained in the assemblies or attachments the listing of components immediately follows the description with the wording "(Composed of-)."

(c) Assemblies or attachments consisting of many parts shows the assembly or attachment number at the beginning of the unit list, followed by the listing of the components.

Exceptions to the above methods are explained by footnotes in the text.

Individual parts of an assembly which are not available for service are marked with a symbol. In some instances, such parts are listed with a notation giving the information which is to be used for ordering.

(6) MISCELLANEOUS PARTS. Standard bolts, screws, nuts, etc. --- are not identified by a reference number. These parts are known as COMMON HARDWARE items and appear in abbreviated nomenclature are shown indented under the major items with which they are used. They should be ordered as listed, since they are not component parts of the pieces they attach. Hardware parts identified with part numbers have been designed for a specific usage. Standard hardware parts should not be substituted for them.

WARNING: Attaching parts especially made for their location should never be substituted with regular standard parts.

The following rules are established to govern the listing of attaching parts:

The part number for Common Hardware items is eliminated. However, Design Hardware items will continue to be listed by part number and description.

All Carriage, Machine and Flow BOLTS; NUTS; Cap, Machine and Set SCREWS, will be considered furnished with National Course Thread unless otherwise specified. The number of threads per inch will be eliminated.

All NUTS will be considered "hex." unless otherwise specified.

All WASHERS will be considered "Plain" unless otherwise specified. The "ID", "OD" and "No." identity will be eliminated. The inside dimension will be listed first, followed by the outside diameter and the thickness.

All lock WASHERS will be considered "Medium" type unless specified as "Light" or "Heavy."

All cotter PINS will be considered "Extended-Prong" type unless otherwise specified.

All groove PINS will be considered "Standard Groove" unless otherwise specified.

All common RIVETS will be considered "Annealed" unless otherwise specified.

All countersunk-head tubular RIVETS will be considered "Copper-Plated Steel" unless otherwise specified.

All oval-head tubular RIVETS will be considered "Brass."

Standard bolts used in International Harvester Products are manufactured under standards known as Unified National Coarse Thread (U. N. C. and Unified National Fine Thread (U. N. F.) with the number of threads per inch for various diameters as follows:

Diameter of Bolt	No. of Threads per inch (U. N. C.)	No. of Threads per inch (U. N. F.)
1/4"	20	28
5/16"	18	24
3/8"	16	24
7/16"	14	20
1/2"	13	20
9/16"	12	18
5/8"	11	18
3/4"	10	16
7/8"	9	14
1"	8	14
1-1/8"	7	12
1-1/4"	7	12
1-3/8"	6	12
1-1/2"	6	12

(7) ABBREVIATIONS. The abbreviations used in this catalog are explained in the list of abbreviations on page 4.

(8) SERIAL NUMBERS.

(A) CRAWLER TRACTORS (WITH DT-361 ENGINE)

Following is a list of starting serial numbers for these units.

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<u>Crawler Tractor</u>	<u>Engine Starting Serial Number</u>	<u>Chassis Starting Serial Number</u>
TD-15 SERIES B Power Shift	TD-15BPM 501	TD-15BP 6001
TD-15 SERIES B Manual Shift	TD-15BGM 1759	TD-15BG 7260
TD-15 SERIES B Agricultural	TD-15BGAM 1759	TD-15BGA 7260
TD-15 SERIES B Power Shift Sideboom	TD-15BPSM 1759	TD-15BPS 9371
TD-15 SERIES B Manual Shift Back Filler	TD-15BGFM 1759	TD-15BGF 21281
TD-15 SERIES B Manual Shift Sideboom	TD-15BGSM 1759	TD-15BGS 21676

No attempt is made at the factory to have the engine or chassis serial numbers correspond.

Customer should be urged to supply the serial numbers, for the units listed above, when ordering parts.

(9) BULLGRADERS AND BULLDOZERS:

<u>Model</u>	<u>Number Code</u>	<u>Letter Code</u>
15B D-1 Bulldozer	1. Using front mounted	
15B D-2 Bulldozer	cable control unit.	
15B D-3 Bulldozer	(cable operated)	
15B G-1 Bullgrader	2. Hydraulic operated	G-Bullgrader
15B G-2 Bullgrader	3. Using rear mounted	
15B G-3 Bullgrader	cable control unit.	D-Bulldozer
	(cable operated)	

(B) CRAWLER TRACTORS (WITH DT-407 ENGINE)

Following is a list of starting serial numbers for these units.

<u>Crawler Tractor</u>	<u>Engine Starting Serial Number</u>	<u>Chassis Starting Serial Number</u>
TD-15 SERIES B Power Shift	407TC2U000501	TD-15BP
TD-15 SERIES B Power Shift Sideboom		TD-15BPS
TD-15 SERIES B Manual Shift	407TC2U000501	TD-15BG
TD-15 SERIES B Manual Shift Back Filler		TD-15BGF
TD-15 SERIES B Manual Shift Sideboom		TD-15BGS
TD-15 SERIES B Manual Shift Custom Application	407TC2U000501	TD-15BGA 25001

LIST OF ABBREVIATIONS

A period after the abbreviation is used only when the abbreviation form spells a common English word.

adj	adjustable	lb	pound, pounds
al	aluminum	lentil-hd	lentil head
ast	alloy steel	LH	left hand
amp	ampere, amperes	lkg	locking
anl	annealed	LP Gas	Liquefied Petroleum Gas
approx	approximately	lub	lubrication
assy	assembly	mach.	machine
att	attachment	med	medium
bd-hd	binding head	MI	malleable iron
b-hd	button head	NC	National Coarse (thread)
brg	bearing	NF	National Fine (thread)
brs	brass	ni	nickel
brz	bronze	ni-pltd-stl	nickel plated steel
cd-pltd	cadmium plated	No.	number
cd-pltd-stl	cadmium plated steel	NPT	National pipe thread
C-Z	cadmium or zinc plated	OC	outside circumference
cr-pltd	chromium plated	OD	outside diameter
cr-pltd-stl	chromium plated steel	O/S	oversize
CI	cast iron	ov-hd	oval head
csk	countersunk	oz	ounce, ounces
csk-hd	countersunk head	parkerized-stl	parkerized steel
cl-rec-hd	clutch recess head	pkg	package
com	common	pltd	plated
cone-pt	cone point	pt	point
cont	continued	PTO	power take-off
cop.	copper	rd-end	round end
cpl	copper plated	rd-hd	round head
cot.	cotter	rd-pt	round point
c-pin	cotter pin	reg	regular
cres	corrosion-resistant-steel (stainless)	RH	right hand
cr-rec-hd	cross recess head	RPM	revolutions per minute
cre	corrosion resisting	SAE	Society of Automotive Engineers
crg	carriage	sf	semi-finished
cup-pt	cup point	slt	slotted
cyl	cylinder, cylinders	slt-hd	slotted head
deg	degree	slt-bd-hd	slotted binding head
dia	diameter	slt-fil-hd	slotted fillister head
dld	drilled	slt-f-hd	slotted flat head
dld-f/c-pin	drilled for cotter pin	slt-hex-hd	slotted hexagon head
dld-f/lkg-wire	drilled for locking wire	slt-pan-hd	slotted pan head
dog-pt	dog point	slt-rd-hd	slotted round head
ext	external	slt-truss-hd	slotted truss head
f/	for	sq	square
fem	female	sq-hd	square head
fil-hd	fillister head	sq-nk	square neck
fin-nk	fin neck	std	standard
f-csk-hd	flat countersunk head	std-hd	standard head
f-fil-hd	flat fillister head	stl	steel
f-hd	flat head	str	straight
f-pt	flat point	T	teeth
flex.	flexible	tap.	tapping
ftd	fluted	thd	thread
ft	foot, feet	UNC	Unified Coarse (thread)
ga	gauge	UNF	Unified Fine (thread)
hd	head	U/S	undersize
hdls	headless	unfin	unfinished
hex.	hexagon	wb-hd	wagon box head
hex-hd	hexagon head	w/	with
hex-soc-hd	hexagon socket head	w/brz	with bronze
hp	horsepower	w/hex.	with hexagon
hv	heavy	w/o	without
hyd	hydraulic	zn	zinc
ID	inside diameter	zn-ct	zinc coated
in.	inch, inches	zn-pltd	zinc plated
int	internal		

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QUICK REFERENCE
FILTER ELEMENTS AND BELTS

for

MODEL TD15 SERIES B CRAWLER TRACTOR

FILTER ELEMENTS

FUEL SYSTEM

Primary fuel filter element with gasket (For units not equipped with water separator attachment)	DT-361	349 280 R91
Primary fuel filter element with gasket (For units equipped with water separator attachment)		609 409 C91
Primary fuel filter (For units not equipped with water separator attachment)	DT-407	702 143 C1
		or
		702 251 C1
Primary fuel filter (For units equipped with water separator attachment)	DT-407	702 256 C1
Final fuel filter element with gasket		323 960 R91
Final fuel filter	DT-361	
	DT-407	702 253 C1
		or
		702 142 C1

AIR CLEANER

Air cleaner element (For Air Maze Air Cleaner)(Primary)		702 848 C1
Air cleaner element (For Air Maze Air Cleaner)(Safety)		702 847 C1
Air cleaner element (For Donaldson Air Cleaner)		343 731 R91
Air cleaner element (For Farr Heavy Duty)		327 491 R91

LUBRICATION SYSTEM

Lubrication oil filter element with gasket		323 827 C91
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TRANSMISSION

Transmission oil filter element (For Manual Shift Tractors)		346 821 R91
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HYDRAULIC SYSTEM

Hydraulic safety filter element		346 821 R91
Hydraulic pressure filter element (For Power Shift Tractors)		381 256 R91 <i>FARR'S</i>
Hydraulic pressure filter element (For Manual Shift Tractors)		615 447 G1
Hydraulic suction element (Used with Filter Assy's 324 704 R91, 346 820 R91, and 610 795 C91)		346 821 R91
Hydraulic suction element (Used with Filter Assy 603 327 C91)		606 390 C91
Hydraulic suction element (Used with Filter Assy 702 624 C91)		619 214 C1
	BELTS <i>TRAV SAFETY</i>	619 219 C1

COOLING AND ELECTRICAL SYSTEMS

Fan and Generator Belt (Set of two)		326 758 R11
Fan and Alternator Belt (Set of two)		612 134 C11

SKELETON AND REPLACEMENT SERVICE ENGINES

SKELETON SERVICE ENGINE (SEE NOTE A AND NOTE B)

For

TD-15 SERIES B MANUAL SHIFT CRAWLER TRACTORS,
TD-15 SERIES B MANUAL SHIFT SIDEBOOM CRAWLER TRACTORS,
TD-15 SERIES B AGR. CRAWLER TRACTORS,
TD-15 SERIES B MANUAL SHIFT BACK FILLER TRACTORS,
TD-15 SERIES B POWER SHIFT CRAWLER TRACTORS AND
TD-15 SERIES B POWER SHIFT SIDEBOOM CRAWLER TRACTORS

701 346 C91 ENGINE, (DT-407) Skeleton Service Diesel (SEE NOTE B)
(Consists of -
Camshaft and Related Parts
Connecting Rods and Pistons
Crankcase
Crankcase Front Cover, Plate, Idler Gear and Related Parts
Crankcase Oil Pan
Crankshaft and Related Parts
Lubricating Oil Pump
Injection Pump Drive Gear)

REPLACEMENT SERVICE ENGINES (DT-361 MANUAL SHIFT)

349 358 R91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift,
Manual Shift Sideboom, Manual Shift Back Filler, and Agricultural Tractors) (SEE NOTE A) (Wet Clutch)
(Order the following -
1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
3 CLAMP, Air Cleaner Hose 397 257 R1
1 ELBOW, Fuel Return Tube Front 606 930 C1
1 ENGINE (Replacement DT-407) 678 080 C91
1 EXTENSION, Governor Control
Front Rod 616 464 C1
1 HOSE, Air Cleaner Outlet Tube
to Turbo 670 065 C1
1 ROD, Governor Control Front 703 372 C1
1 TUBE, Front Fuel Supply 616 465 C11
1 TUBE, Air Cleaner 609 996 C11)

REPLACEMENT SERVICE ENGINES (DT-361 MANUAL SHIFT)

- 601 229 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler, and Agricultural Tractors) (SEE NOTE A)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE, Replacement (DT-407) 678 080 C91
 - 1 EXTENSION, Governor Control Front Rod 616 464 C1
 - 1 HOSE, Air Cleaner Outlet Tube to Turbo 670 065 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump without Deceleration) 609 439 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump with Deceleration) 609 440 C1
 - 1 ROD, Governor Control Front 703 372 C1
 - 1 TUBE, Front Fuel Supply 616 465 C11
 - 1 TUBE, Air Cleaner 609 996 C11)
- 607 428 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler, and Agricultural Tractors) (SEE NOTE A) (with R. D. Pump and Airesearch Turbocharger)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE, Replacement (DT-407) 678 080 C91
 - 1 EXTENSION, Governor Control Front Front Rod 616 464 C1
 - 1 HOSE, Air Cleaner Outlet Tube to Turbo 670 065 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump without Deceleration) 609 439 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump with Deceleration) 609 440 C1
 - 1 ROD, Governor Control Front 703 372 C1
 - 1 TUBE, Front Fuel Supply 616 465 C11
 - 1 TUBE, Air Cleaner 609 996 C11)
- 609 113 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler and Agricultural Crawler Tractors) (with Solar Turbocharger (SEE NOTE A)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE, Replacement (DT-407) 678 080 C91
 - 1 EXTENSION, Governor Control Front Rod 616 464 C1

REPLACEMENT SERVICE ENGINES (DT-361 MANUAL SHIFT)

609 113 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler and Agricultural Crawler Tractors) (with Solar Turbocharger) (SEE NOTE A)
- Continued

(Order the following - Continued)

1 HOSE, Air Cleaner Outlet Tube to Turbo	670 065 C1
1 KIT, Service Chassis Parts (Roosa Pump without Deceleration)	609 439 C1
1 KIT, Service Chassis Parts (Roosa Pump with Deceleration)	609 440 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11
1 TUBE, Air Cleaner	609 996 C11)

670 056 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler and Agricultural Crawler Tractors) (with Schwitzer Turbocharger w/o Fan) (SEE NOTE A)

(Order the following -

1 ELBOW, Fuel Return Front	606 930 C1
1 ENGINE, Replacement (DT-407)	678 080 C91
1 EXTENSION, Governor Control Front Rod	616 464 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11)

701 075 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler and Agricultural Crawler Tractors) (with Solar Turbocharger) (SEE NOTE A)

(Order the following -

1 ELBOW, Fuel Return Front	606 930 C1
1 ENGINE, Replacement (DT-407)	678 080 C91
1 EXTENSION, Governor Control Front Rod	616 464 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11)

REPLACEMENT SERVICE ENGINE (DT-407 MANUAL SHIFT)

678 080 C91 ENGINE, (DT-407) replacement (TD-15 SERIES B Manual Shift, Manual Shift Sideboom, Manual Shift Back Filler, and Agricultural Crawler Tractors) (Diesel engine complete from Water Pump to Flywheel inclusive)

REPLACEMENT SERVICE ENGINES (DT-361 POWER SHIFT)

- 349 359 R91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors)(SEE NOTE A)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE (Replacement DT-407) 678 081 C91
 - 1 EXTENSION, Governor Control Front Rod 616 464 C1
 - 1 HOSE, Air Cleaner Outlet Tube to Turbo 670 065 C1
 - 1 ROD, Governor Control Front 703 372 C1
 - 1 TUBE, Front Fuel Supply 616 465 C11
 - 1 TUBE, Air Cleaner 609 996 C11)
- 601 230 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors)(SEE NOTE A)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE, Replacement (DT-407) 678 081 C91
 - 1 EXTENSION, Governor Control Front Rod 616 464 C1
 - 1 HOSE, Air Cleaner Outlet Tube to Turbo 670 065 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump Conversion) 609 438 C91
 - 1 ROD, Governor Control Front 703 372 C1
 - 1 TUBE, Front Fuel Supply 616 465 C11
 - 1 TUBE, Air Cleaner 609 996 C11)
- 607 429 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors (with R.D. Pump and Airesearch Turbocharger) (SEE NOTE A)
(Order the following -
- 1 ADAPTER, Air Cleaner Outlet Tube 610 675 C1
 - 3 CLAMP, Air Cleaner Hose 397 257 R1
 - 1 ELBOW, Fuel Return Tube Front 606 930 C1
 - 1 ENGINE, Replacement (DT-407) 678 081 C91
 - 1 EXTENSION, Governor Control Front Rod 616 464 C1
 - 1 HOSE, Air Cleaner Outlet Tube to Turbo 670 065 C1
 - 1 KIT, Service Chassis Parts (Roosa Pump Conversion) 609 438 C91
 - 1 ROD, Governor Control Front 703 372 C1
 - 1 TUBE, Front Fuel Supply 616 465 C11
 - 1 TUBE, Air Cleaner 609 996 C11)

REPLACEMENT SERVICE ENGINES (DT-361 POWER SHIFT)

609 114 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors) (120 H.P. with Solar Turbocharger) (SEE NOTE A)

(Order the following -

1 ELBOW, Fuel Return Front	606 930 C1
1 ENGINE, Replacement (DT-407)	678 081 C91
1 EXTENSION, Governor Control Front Rod	616 464 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11)

670 057 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors (131 H.P. w/o Fan, Schwitzer Turbocharger) (SEE NOTE A)

(Order the following -

1 ELBOW, Fuel Return Front	606 930 C1
1 ENGINE, Replacement (DT-407)	678 081 C91
1 EXTENSION, Governor Control Front Rod	616 464 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11)

701 076 C91 ENGINE, (DT-361) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors (with Solar Turbocharger) (SEE NOTE A)

(Order the following -

1 ELBOW, Fuel Return Front	606 930 C1
1 ENGINE, Replacement (DT-407)	678 081 C91
1 EXTENSION, Governor Control Front Rod	616 464 C1
1 ROD, Governor Control Front	703 372 C1
1 TUBE, Front Fuel Supply	616 465 C11)

REPLACEMENT SERVICE ENGINES (DT-407 POWER SHIFT)

678 081 C91 ENGINE, (DT-407) replacement (TD-15 SERIES B Power Shift and Power Shift Sideboom Crawler Tractors) (Diesel engine complete from Water Pump to Flywheel inclusive)

NOTE A: When ordering a Service Engine, give complete serial number (including Letters and Numerals) shown on crankcase of engine to be replaced.

NOTE B: When Skeleton Service Engine 701 346 C91 is used for TD-15 SERIES B Crawler Tractors

Deduct, the following parts -

1 Crankcase, Front Cover 349 040 R2

Add, the following parts -

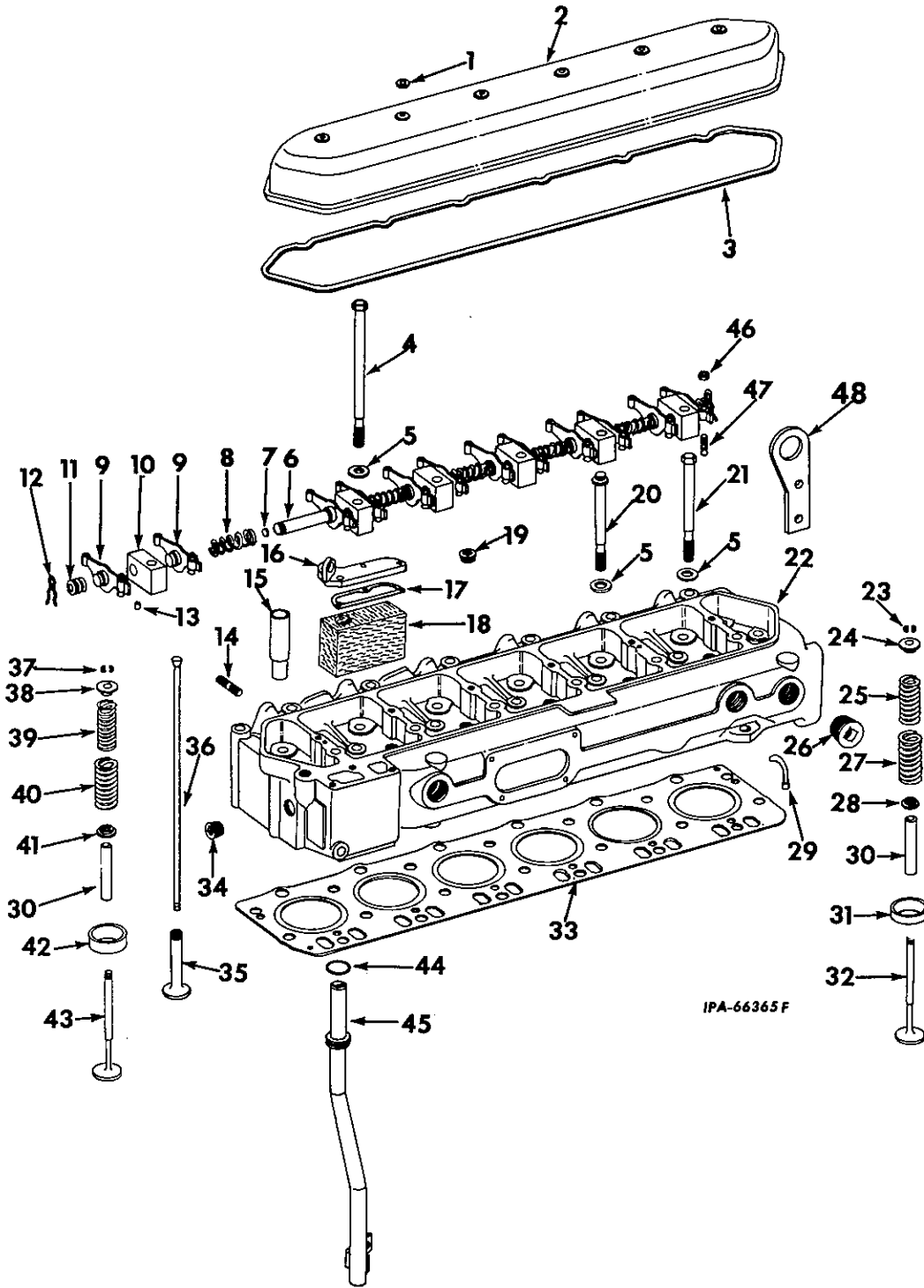
1 Crankcase, Front Cover 341 605 R11

DT-361 DIESEL ENGINE

DIESEL ENGINE

(DT-36I)

CYLINDER HEAD, VALVE COVER, VALVES AND
ROCKER ARMS



IPA-66365 F

DIESEL ENGINE
(DT-36f)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS - CONTINUED		
1	105 451 17 673 R2	GASKET, 3/8" annular (6) SCREW, 3/8 x 3-1/2" hex-hd cap (6)
2	601 390 C1	COVER, cylinder head valve
3	328 678 R1	GASKET, valve cover
4	601 783 C1	BOLT, cylinder head (long) (6)
5	326 515 R1	WASHER, cylinder head bolt (26)
6	326 509 R11	SHAFT w/two PLUG, 109 544 R1 rocker arm
7	109 544 R1	PLUG, 3/4" expansion (2)
8	16 045 D	SPRING, intermediate rocker (5)
9	341 074 R92	ARM, w/NUT, 133 093 R1 and SCREW, 16 067 DA rocker (Optional with ROCKER ARM, 58 446 HEY) (12)
9	58 446 HEY	ARM w/NUT, 133 093 R1 and SCREW, 16 067 DA, ROCKER (Optional with ROCKER ARM, 341 074 R92) (12)
10	326 510 R2	BRACKET, shaft (6)
11	16 043 D	SPRING, front and rear rocker (2)
12	133 927 R1	RING, snap (2)
13	17 244 R1	PIN, 5/16 x 1-1/4" roll (2)
14	250 450 R1	STUD, manifold (12)
15	326 503 R1	SLEEVE, injector (6)
16	330 266 R1	EYE, front lifting TD 15BPM 501 to 955 (Order the following parts 1 EYE 345 410 R91 3 3/8 x 1-1/8 hex-hd cap SCREW 179 840 1 9/16 x 1-1/2" hex-hd cap SCREW 179 906 3 3/8" lock WASHER 103 321 1 9/16" lock WASHER 103 324)
16	345 410 R91	EYE, front lifting TD-15BPM 956 up TD-15BGM 1759 up TD-15BGAM 1759 up TD-15BSM 1759 up TD-15BGFM 1759 up TD-15BGSM 1759 up 179 840 3/8 x 1-1/8" hex-hd cap SCREW (3) 179 906 9/16 x 1-1/2" hex-hd cap SCREW 103 321 3/8" lock WASHER (3) 103 324 9/16" lock WASHER
17	609 402 C1	GASKET, breather cover
18	330 397 R2	ELEMENT, breather
19	9 409 949	PLUG, 3/4" sq-soc pipe (6)
20	601 781 C1	BOLT, cylinder head (short) (7)
21	601 782 C1	BOLT, cylinder head (med) (13)
22	345 149 R31	HEAD ASSY, cylinder (will work for 332 024 R22) (Composed of - 1 BUSHING 142 765 12 GUIDE 326 505 R3 § 1 HEAD 6 INSERT 670 301 C1 1 PLUG 444 588 1 PLUG 444 654 1 PLUG 444 678 4 PLUG 601 244 C1 6 PLUG 9 409 949 5 PLUG 601 093 C1 6 SLEEVE 326 503 R1 12 STUD 250 450 R1 6 TUBE 326 504 R1)
23	32 485 D	LOCK, intake valve spring retainer (12)
24	615 324 C1	RETAINER, intake valve spring (6)
25	62 264 VA	SPRING, intake valve inner (6)

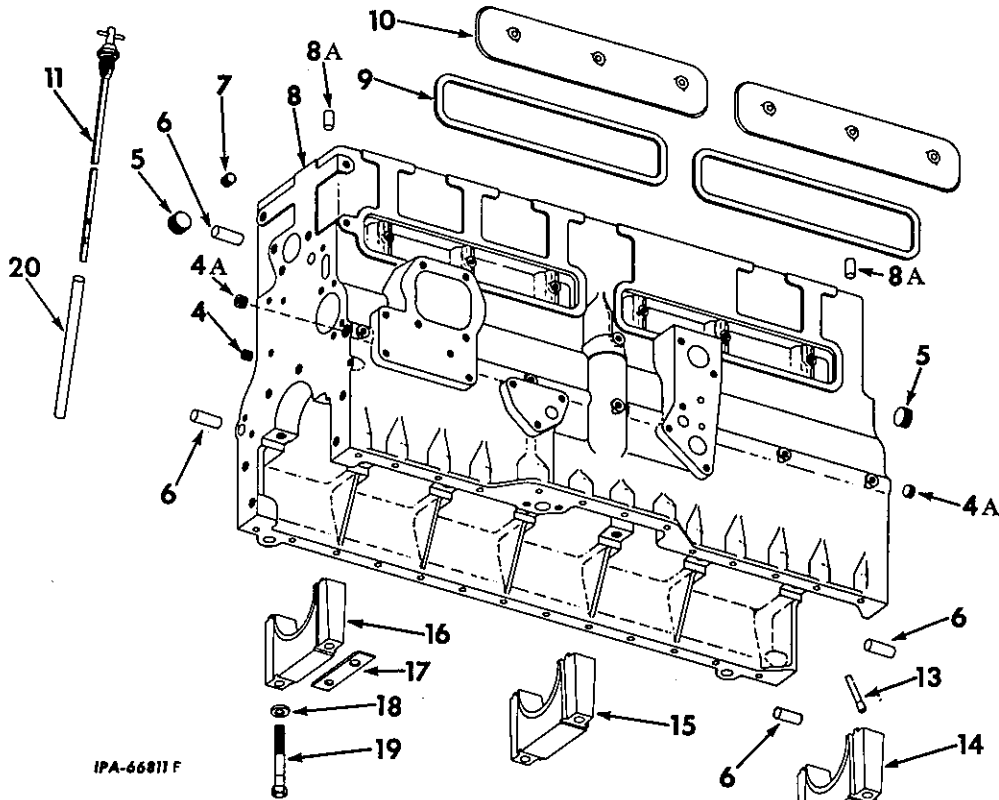
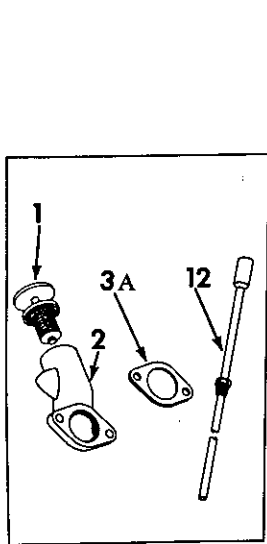
DIESEL ENGINE
(DT-36f)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS - CONTINUED		
26	444 588 142 765	PLUG, 1/2" sq-hd pipe BUSHING, 1-1/4 x 1/2"
26	601 244 C1	PLUG, 1-1/4" sq-soc pipe (4)
26	601 093 C1	PLUG, core hole (5)
27	62 265 VA	SPRING, intake valve outer (6)
28	341 284 R1	SPACER, valve spring (12)
29	326 504 R1	TUBE, jet (6)
30	326 505 R3	GUIDE, valve (12)
31	349 028 R1	INSERT, intake valve seat (standard) (X) (For service on cylinder HEAD, 332 024 R22)
31	340 029 R1	INSERT, intake valve seat (.005" oversize)(X) (For service on cylinder Head, 332 024 R22)
31	349 030 R1	INSERT, intake valve seat (.015" oversize)(X) (For service on cylinder HEAD, 332 024 R22)
31	349 022 R1	INSERT, intake valve seat (standard) (X) (For service on cylinder HEAD, 345 149 R21)
31	349 023 R1	INSERT, intake valve seat (.005" oversize)(X) (For service on cylinder HEAD, 345 149 R21)
31	349 024 R1	INSERT, intake valve seat (.015" oversize)(X) (For service on cylinder HEAD, 345 149 R21)
32	670 308 C1	VALVE, intake (Optional with 343 433 R2) (6)
32	343 433 R2	VALVE, intake (Optional with 670 308 C1) (6)
33	606 073 C2	GASKET, cylinder head
34	444 678	PLUG, 1" sq-soc pipe
35	16 040 DD	TAPPET, valve (12)
36	343 465 R91	ROD, valve push (12)
37	32 485 D	LOCK, exhaust valve spring retainer (12)
38	615 324 C1	RETAINER, exhaust valve spring (6)
39	160 907 R1	SPRING, exhaust valve inner (6)
40	160 908 R1	SPRING, exhaust valve outer (6)
41	343 734 R91	ROTOCOIL, exhaust valve (6)
42	670 301 C1	INSERT, exhaust valve seat (standard) (X)
42	670 303 C1	INSERT, exhaust valve seat (.005" oversize) (X)
42	670 304 C1	INSERT, exhaust valve seat (.015" oversize) (X)
43	341 350 R1	VALVE, exhaust (Optional with 612 313 C1) (6)
43	612 313 C1	VALVE, exhaust (Optional with 341 350 R1) (6)
44	350 818 R1	"O" RING, breather tube (1 x 1-1/4 x 1/8")
45	328 957 R11 179 835 103 321	TUBE, breather outlet 3/8 x 5/8" hex-hd cap SCREW 3/8" lock WASHER
46	133 093 R1	NUT, rocker arm adjusting (12)
47	16 067 DA	SCREW, rocker arm adjusting (12)
48	330 267 R1 179 861 103 342 326 515 R1	EYE, rear lifting 7/16 x 1-3/8" hex-hd cap SCREW (2) 15/32 x 59/64 x .051 ga WASHER (2) WASHER, front lifting eye
	444 654 46 102 D 16 051 D	PLUG, 1/4" sq-soc pipe STUD (used with HEAD, 332 024 R22) WASHER (2)
(X) - As Required. § - Not Furnished Separately.		

DIESEL ENGINE

(DT-36I)

CRANKCASE AND RELATED PARTS



IPA-6681F

DIESEL ENGINE

(DT-36I)

CRANKCASE AND RELATED PARTS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	336 079 R91	PLUG, oil filler TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BPSM 1759 to 5431
2	337 126 R1	ELBOW, oil filler TD-15BPM 501 to 3538 TD-15BGM 1759 to 3538 TD-15BGAM 1759 to 3538 TD-15BPSM 1759 to 3538
2	349 346 R1	ELBOW, oil filler TD-15BPM 3539 to 5383 TD-15BGM 3539 to 5431 TD-15BGAM 3539 to 5431 TD-15BPSM 3539 to 5431
	350 818 R1	"O" RING, 1 x 1-1/4 x 1/8"
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
3A	328 762 R1	GASKET, oil filler elbow TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431
4	315 365 R1	PLUG, metering

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4A	444 782	PLUG, 3/8" pipe (2)
5	22 263 R1	PLUG, 1-5/8" cup (5)
6	19 838 R1	DOWEL, (4)
7	444 782	PLUG, 3/8" pipe (3)
8	601 099 C94	CRANKCASE ASSY TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431
(Order the following parts -		
	1	CRANKCASE 609 355 C94
	1	DRAWING, crank-case IZG-7663
	1	DRAWING, oil filler tube installation IZG-7666
	1	GAUGE 607 299 C91
	1	TUBE 607 279 C11
	1	TUBE 607 296 C11)

DIESEL ENGINE

(DT-36I)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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CRANKCASE AND RELATED PARTS - CONTINUED

8	609 355 C94	CRANKCASE ASSY
		TD-15BPM 5384 up
		TD-15BGM 5432 up
		TD-15BGAM 5432 up
		TD-15BPSM 5432 up
		TD-15BGFM 5432 up
		TD-15BGSM 5432 up
		(Composed of -
	12	BEARING 7 911 T
	1	BEARING 70 260 R1
	1	BEARING 77 514 R1
	1	BEARING 332 573 R1
	1	BEARING 332 629 R1
	1	BRACE 332 574 R2
	14	BOLT 328 729 R1
	1	CAP 349 048 R1
	1	CAP 349 049 R1
	5	CAP 349 050 R1
	§1	CRANKCASE
	4	DOWEL 19 838 R1
	2	DOWEL 19 962 R1
	2	DOWEL 258 917 R1
	1	DRAWING, crankcase rework IZG-7167
	3	PLUG 445 684
	3	PLUG 444 782
	5	PLUG 22 263 R1
	1	PLUG 144 002
	1	PLUG 444 677
	2	PLUG 50 410 DA
	1	PLUG 315 365 R1
	5	PLUG 347 822 R1
	§6	SLEEVE
	13	WASHER 326 515 R1)

8A	258 917 R1	DOWEL, pin (2)
9	328 739 R1	GASKET, cover (2)
10	601 812 C1	COVER, valve lift rod (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (6)
	302 861 R1	WASHER (7)

11	328 736 R92	GAUGE, oil level
		TD-15BPM 501 to 5383
		TD-15BGM 1759 to 5431
		TD-15BGAM 1759 to 5431
		TD-15BPSM 1759 to 5431

11	607 299 C91	GAUGE, oil level
		TD-15BPM 5384 up
		TD-15BGM 5432 up
		TD-15BGAM 5432 up
		TD-15BPSM 5432 up
		TD-15BGFM 5432 up
		TD-15BGSM 5432 up

12	328 737 R11	TUBE, oil level gauge
		TD-15BPM 501 to 5383
		TD-15BGM 1759 to 5431
		TD-15BGAM 1759 to 5431
		TD-15BPSM 1759 to 5431

13	343 464 R1	TUBE, oil jet (12)
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14	349 049 R1	CAP, rear main bearing
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15	349 050 R1	CAP, intermediate main bearing (5)
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16	349 048 R1	CAP, front main bearing
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17	332 574 R2	BRACE, oil pump outlet
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18	326 515 R1	WASHER, bearing cap (13)
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19	328 729 R1	BOLT, main bearing cap (14)
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DIESEL ENGINE

(DT-36I)

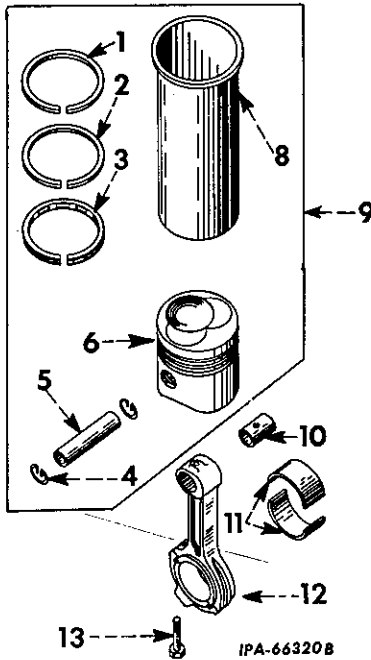
REF. NO.	I.H. PART NUMBER	DESCRIPTION
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CRANKCASE AND RELATED PARTS - CONTINUED

20	607 296 C11	TUBE, oil filler
		TD-15BPM 5384 up
		TD-15BGM 5432 up
		TD-15BGAM 5432 up
		TD-15BPSM 5432 up
		TD-15BGFM 5432 up
		TD-15BGSM 5432 up
	7 911 T	BEARING, ball (for shipping purposes only) (12)
	362 120 R1	CLIP, generator cable harness (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	19 962 R1	DOWEL, (3/8 x 3/4") (2)
	144 002	PLUG, 1-1/2" sq-soc pipe
	444 677	PLUG, 1/2" sq-soc pipe
	50 410 DA	PLUG, 1/8" hex-soc pipe (2)
	445 684	PLUG, 1/8" sq-hd pipe (3)
	347 822 R1	PLUG, core hole (5)
	601 244 C1	PLUG, 1-1/4" sq-soc pipe (2)

-22-
DIESEL ENGINE
 (DT-361)

CONNECTING RODS, PISTONS AND CYLINDER SLEEVES



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	343 429 R1	RING, piston (top compressor) (Perfect Circle 26A104) (optional with 615 254 C1)(6)
1	615 254 C1	RING, piston (top compressor) (Koppers 35260) (optional with 343 429 R1) (6)
2	327 139 R1	RING, piston (intermediate compressor) (Perfect Circle 29A645) (optional with 615 256 C1) (6)
2	615 256 C1	RING, piston (intermediate compressor) (Koppers 38679) (optional with 327 139 R1) (6)
3	347 069 R91	RING, piston (oil regulating) (Perfect Circle 77577) (optional with 615 255 C1) (6)
3	615 255 C1	RING, piston (oil regulating) (Koppers 50623) (optional with 347 069 R91) (6)
4	326 751 R1	RETAINER, piston pin (12)
5	326 749 R2	PIN, piston (6)
5	326 750 R2	PIN, piston (.005" oversize) (6)
6	341 183 R3	PISTON (SS marking) (6)
8	349 387 R11	SLEEVE, w/installation INSTRUCTIONS 1 019 263 R1, cylinder (.010" oversize) (6)
8	349 094 R11	SLEEVE, w/installation INSTRUCTIONS, 1 019 263 R1, cylinder (.002" oversize) (6)
8	349 114 R21	SLEEVE w/installation INSTRUCTIONS, 1 019 263 R1, cylinder (6)
9	349 095 R93	PACKAGE, piston and sleeve field service (X)

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DIESEL ENGINE
 (DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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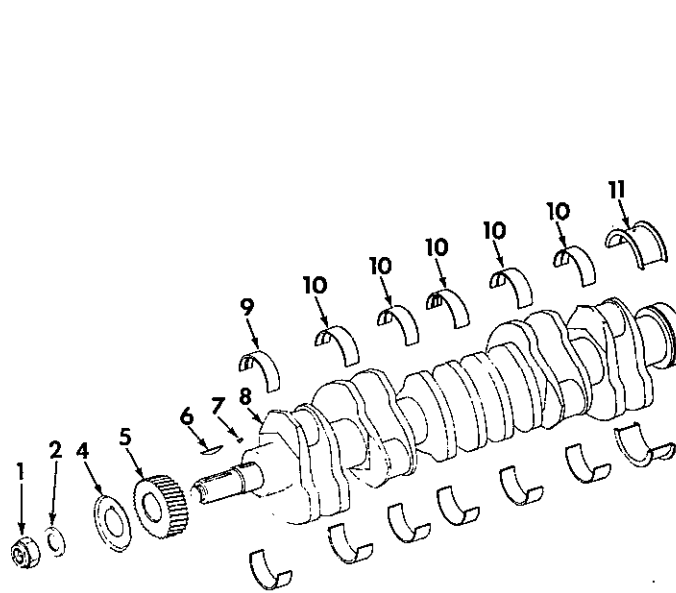
CONNECTING RODS, PISTONS AND CYLINDER SLEEVES - CONTINUED

10	326 562 R1	BUSHING, piston pin (6)
11	323 962 R11	BEARING, connecting rod (two halves) (standard) (6)
11	341 573 R11	BEARING, connecting rod (two halves) (.002" undersize) (6)
11	341 576 R11	BEARING, connecting rod (two halves) (.010" undersize) (6)
11	341 579 R11	BEARING, connecting rod (two halves) (.020" undersize) (6)
11	341 582 R11	BEARING, connecting rod (two halves) (.030" undersize) (6)
12	341 113 R94	ROD w/two BOLT, 326 563 R2 and BUSHING, 326 562 R1, connecting (6)
13	326 563 R2	BOLT, connecting rod (12)
1 019 176 R1		INSTRUCTIONS, cylinder sleeve installation
341 469 R91		PACKAGE, piston ring field service (consists of six RING, 327 139 R1, six RING, 343 429 R1 and six RING, 347 069 R91) (Perfect Circle) (optional with 612 184 C91) (X)
612 184 C91		PACKAGE, piston ring field service (consists of six RING, 615 254 C1, six RING, 615 267 C1 and six RING, 341 341 R92 (kopper) (optional with 341 469 R91)

(X) - As Required.

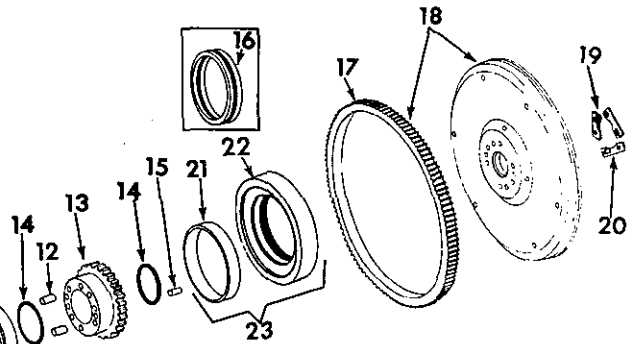
DIESEL ENGINE
(DT-36I)

CRANKSHAFT, BEARING AND FLYWHEEL



DIESEL ENGINE
(DT-36I)

CRANKSHAFT, BEARING AND FLYWHEEL - CONTINUED



IPB-10702D

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	625 348 C1	NUT, starting
2	116 451 H	WASHER, starting nut
4	612 280 C1	SLINGER, oil
5	326 705 R1	GEAR, crankshaft
6	332 421 R2	KEY, vibration damper
7	124 556	KEY, 1/4 x 1-1/8" (Woodruff No. 18)
8		CRANKSHAFT (standard) (order PACKAGE, 323 985 R92)
8		CRANKSHAFT (renewal) (order PACKAGE, 349 054 R92)
9	328 771 R91	BEARING, crankshaft front (two halves) (standard)
9	341 536 R91	BEARING, crankshaft front (two halves) (.002" undersize)
9	341 545 R91	BEARING, crankshaft front (two halves) (.010" undersize)
9	341 554 R91	BEARING, crankshaft front (two halves) (.020" undersize)
9	341 563 R91	BEARING, crankshaft front (two halves) (.030" undersize)
10	328 774 R91	BEARING, crankshaft intermediate (two halves) (standard) (5)
10	341 539 R91	BEARING, crankshaft intermediate (two halves) (.002" undersize) (5)
10	341 548 R91	BEARING, crankshaft intermediate (two halves) (.010" undersize) (5)
10	341 557 R91	BEARING, crankshaft intermediate (two halves) (.020" undersize) (5)
10	341 566 R91	BEARING, crankshaft intermediate (two halves) (.030" undersize) (5)
11	328 777 R91	BEARING, crankshaft rear (two halves) (standard)
11	341 542 R91	BEARING, crankshaft rear (two halves) (.002" undersize)
11	341 551 R91	BEARING, crankshaft rear (two halves) (.010" undersize)
11	341 560 R91	BEARING, crankshaft rear (two halves) (.020" undersize)
11	341 569 R91	BEARING, crankshaft rear (two halves) (.030" undersize)
12	19 838 R1	DOWEL (2)
13	330 256 R31	GEAR w/two DOWEL, 19 838 R1, spacer drive

REF. NO.	I. H. PART NUMBER	DESCRIPTION
14	22 282 R1	"O" RING, 2-7/8 x 3-1/16" x 3/32" (2)
15	19 838 R1	DOWEL (2)
16		OIL SEAL, crankshaft rear (order PACKAGE 609 334 C91) TD-15BPM 501 to 5024 TD-15BGM 1759 to 5024 TD-15BGAM 1759 to 5024 TD-15BPSM 1759 to 5024
17	33 817 DE	GEAR, ring
18	330 255 R31	FLYWHEEL w/GEAR, 33 817 DE (*)
18	345 036 R21	FLYWHEEL w/GEAR, 33 817 DE (will work for 341 175 R91) (%)
19	326 707 R1	PLATE, lock bolt (3) TD-15BPM 501 to 1566 (Order the following parts - 2 PLATE 345 472 R1 1 PLATE 345 473 R1)
19	345 472 R1	PLATE, lock bolt (2) TD-15BPM 1567 up (2) TD-15BGM 1759 up (2) TD-15BGAM 1759 up (2) TD-15BPSM 1759 up (2) TD-15BGM 1759 up (2) TD-15BPSM 1759 up
	337 032 R1	BOLT (used with CRANKSHAFT, 323 985 R91, 349 054 R91 or 349 383 R91) (4)
	336 054 R1	BOLT (used with CRANKSHAFT, 323 985 R92, 349 054 R92 or 349 383 R92) (4)

(*) - For Manual Shift Crawler Tractors.
(%) - For Power Shift Crawler Tractors.

DIESEL ENGINE

(DT-36I)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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CRANKSHAFT, BEARING AND FLYWHEEL- CONTINUED

20	345 473 R1	PLATE, lock bolt TD-15BPM 1567 up TD-15BGM 1759 up TD-15BGAM 1759 up TD-15BPSM 1759 up TD-15BGFM 1759 up TD-15 BGSM 1759 up
	337 032 R1	BOLT (used with CRANKSHAFT, 323 985 R91, 349 054 R91 or 349 383 R91) (2)
	336 054 R1	BOLT (used with CRANKSHAFT, 323 985 R92, 349 054 R92 or 349 383 R92) (2)
21		SLEEVE, oil seal wear (order PACKAGE, 609 335 C91) TD-15BPM 5025 up TD-15BGM 5025 up TD-15BGAM 5025 up TD-15BPSM 5025 up TD-15BGFM 5025 up TD-15BGSM 5025 up
22		OIL SEAL, crankshaft rear (order PACKAGE, 609 335 C91) TD-15BPM 5025 up TD-15BGM 5025 up TD-15BGAM 5025 up TD-15BPSM 5025 up TD-15BGFM 5025 up TD-15BGSM 5025 up
23	609 335 C91	PACKAGE, oil seal and wear sleeve field service (consists of crankshaft rear oil seal installation DRAWING, IZG-6788, OIL SEAL and SLEEVE) TD-15BPM 5025 up TD-15BGM 5025 up TD-15BGAM 5025 up TD-15BPSM 5025 up TD-15BGFM 5025 up TD-15BGSM 5025 up

DIESEL ENGINE

(DT-36I)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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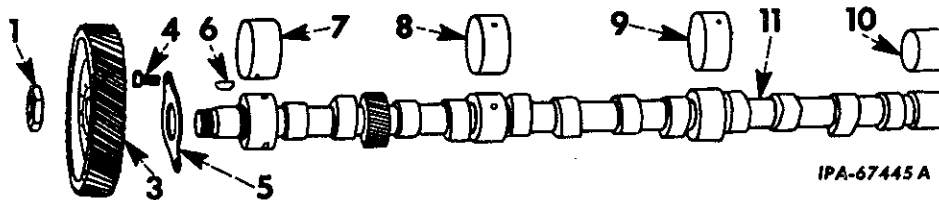
CRANKSHAFT, BEARING AND FLYWHEEL - CONTINUED

323 985 R92		PACKAGE, crankshaft field service (standard) (Consists of - 1 BEARING 328 771 R91 5 BEARING 328 774 R91 1 BEARING 328 777 R91 6 BEARING 323 962 R11 § 1 CRANKSHAFT 2 DOWEL 19 838 R1 6 PLUG 50 410 DA)
349 054 R92		PACKAGE, crankshaft field service (renewal) (consists of crankshaft, six connecting rod BEARING, seven crankshaft BEARING, two DOWEL, 19 838 R1 and six PLUG, 50 410 DA)
609 334 C91		PACKAGE, rear oil seal field conversion TD-15BPM 501 to 5024 TD-15BGM 1759 to 5024 TD-15BGAM 1759 to 5024 TD-15BPSM 1759 to 5024 (Composed of - 1 DRAWING, crank shaft rear oil seal installation IZG-6788 § 1 OIL SEAL 1 RETAINER 601 743 C1 § 1 SLEEVE)
50 410 DA		PLUG, pipe (6)
343 828 R1		PLUG, cup (used with GEAR, 330 256 R21)
601 743 C1		RETAINER, oil seal (also listed and illustrated with "Front Engine Support and Flywheel Housing") TD-15BPM 5025 up TD-15BGM 5025 up TD-15BGAM 5025 up TD-15BPSM 5025 up TD-15BGFM 5025 up TD-15BGSM 5025 up

§ - Not Furnished Separately.

CAMSHAFT AND RELATED PARTS

CAMSHAFT AND RELATED PARTS - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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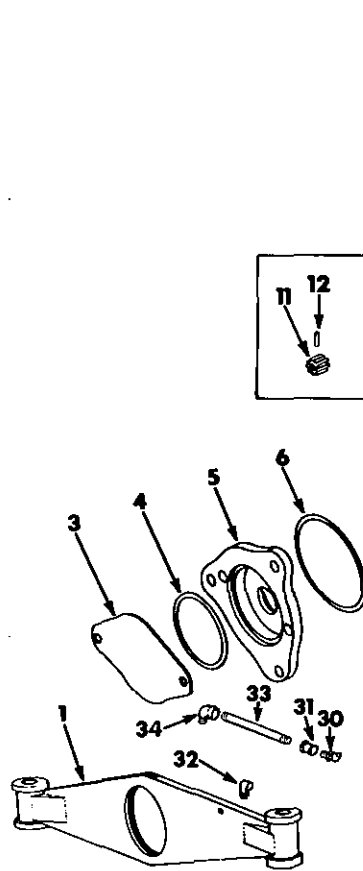
1	16 026 DB	NUT, camshaft gear
3	131 858 R1	GEAR, camshaft
4	70 425 R1	BOLT, camshaft thrust plate (2)
5	16 027 DB	FLANGE, camshaft thrust
6	127 599	KEY, 1/4 x 3/4" camshaft gear (Woodruff No. 91)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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7	332 573 R1	BEARING, camshaft (front)
8	70 260 R1	BEARING, camshaft (No. 2)
9	332 629 R1	BEARING, camshaft (No. 3)
10	77 514 R1	BEARING, camshaft (rear)
11	670 349 C1	CAMSHAFT (together w/FLANGE, 16 027 DB will work for CAMSHAFT, 332 107 R1)
	16 025 D	LOCK, camshaft gear NUT TD-15BPM 501 to 1796 TD-15BGM 1759 to 1796 TD-15BGAM 1759 to 1796

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DIESEL ENGINE
 (DT-361)

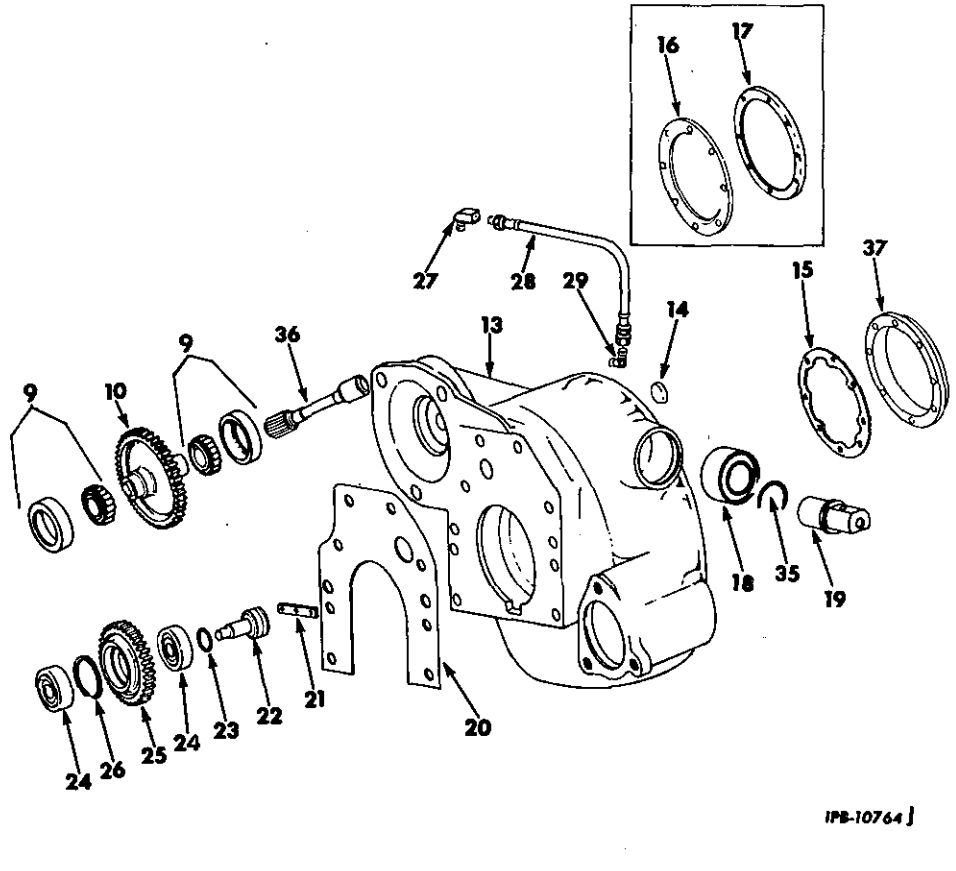
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	349 123 R92	SUPPORT, front engine (Composed of - 1 CLIP 349 122 R1 1 COUPLING 105 408 1 ELBOW 444 476 1 FITTING 126 152 1 NIPPLE 137 967 § 1 SUPPORT 323 546 R1 BOLT, (3/4 x 4") (2) 103 319 1/4" lock WASHER 179 791 1/4 x 1/2" hex-hd cap SCREW
3	326 650 R11	COVER, power take-off equipment pump drive (not used on tractors equipped with 1540 hydraulic control unit or hydraulic tilt) 271 554 5/8 x 1" hex-hd cap SCREW (2)
4	252 735 R1	"O" RING, (5 x 5-1/4 x 1/8")
5	341 060 R11	FLANGE w/RACE, 336 049 R1, power take-off pump mounting 271 556 5/8 x 1-1/4" hex-hd cap SCREW (3)
6	384 149 R1	"O" RING, 8 x 8-1/4 x 1/8"
9	272 478 R91	BEARING w/RACE, roller bearing (2)
10	330 261 R92	GEAR, equipment pump drive (For manual shift and Agr. Crawler Tractors) TD-15BGM 1759 to 5510 TD-15BGAM 1759 to 5510

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DIESEL ENGINE
 (DT-361)

FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
		(Order the following parts - 1 GEAR 337 034 R92 1 SHAFT 606 790 C91)
10	330 262 R2	GEAR, equipment pump drive TD-15BGM 5511 up TD-15BGAM 5511 up TD-15BPM 501 up TD-15BPSM 1759 up TD-15BGF 5511 up TD-15BGSM 5511 up
10	337 034 R92	GEAR, 330 262 R2 with two RACE, 336 050 R91 and two BEARING 272 478 R91 equipment pump drive TD-15BGM 5511 up TD-15BGAM 5511 up TD-15BPM 501 up TD-15BPSM 1759 up TD-15BGF 5511 up TD-15BGSM 5511 up
11	330 263 R1	ADAPTER, clutch pump drive (For Manual Shift and Agr. Crawler Tractors equipped with GEAR, 330 261 R92) TD-15BGM 1759 to 5510 TD-15BGAM 1759 to 5510
12	19 947 R1	PIN, dowel (1/4 x 1") (used with ADAPTER, 330 263 R1) (For Manual Shift and Agr. Crawler Tractors) TD-15BGM 1759 to 5510 TD-15BGAM 1759 to 5510

§ - Not Furnished Separately.

DIESEL ENGINE

(DT-36i)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED		
13	345 034 R93	HOUSING ASSY, flywheel (*) (Composed of - 2 BUSHING 333 707 R92 § 1 HOUSING 1 PLUG 143 999 2 PLUG 337 091 R1 1 RACE 336 049 R1) 179 883 1/2 x 1-1/4" hex-hd cap SCREW (7) 179 897 1/2 x 4" hex-hd cap SCREW 103 323 1/2" lock WASHER (8)
13	345 024 R93	HOUSING ASSEMBLY, flywheel (%) (Composed of - 2 BOLT 20 030 R1 2 BUSHING 333 707 R92 § 1 HOUSING 1 PLUG 143 999 1 PLUG 330 222 R1 1 PLUG 151 162 R1 2 PLUG 337 091 R1 1 RACE 336 049 R1) 179 883 1/2 x 1-1/4" hex-hd cap SCREW (7) 179 897 1/2 x 4" hex-hd cap SCREW 103 323 1/2" lock WASHER (8)
14	337 091 R1	PLUG, core hole (2)
15	332 303 R1	GASKET, face plate
16		PLATE, rear face seal (order Package 609 334 C91) TD-15BPM 501 to 5024 TD-15BGM 1759 to 5024 TD-15BGAM 1759 to 5024 TD-15BPSM 1759 to 5024
	214 168 R1	BOLT, 5/16 x 7/8" nylock (8)
17		DEFLECTOR, oil (order PACKAGE 609 334 C91) (*) TD-15BGM 1759 to 5024 TD-15BGAM 1759 to 5024
17		DEFLECTOR, oil (used with FLYWHEEL, 345 036 R1) (order PACKAGE 609 334 C91) (%) TD-15BPM 501 to 5024 TD-15BPSM 1759 to 5024
17	332 419 R1	DEFLECTOR, oil (used with FLYWHEEL, 341 175 R31) (%) TD-15BPM 501 to 5024 TD-15BPSM 1759 to 5024
18	333 707 R92	BUSHING, mounting (2)
19	330 881 R2 223 456 39 422 D	SHAFT, trunnion mounting (2) 3/4 x 3-1/2" hex-hd cap SCREW (2) (Type 8) WASHER, hardened
20	328 846 R1	GASKET, flywheel housing
21	330 258 R1 321 872 R1	PLATE, idler shaft lock BOLT, 3/8 x 3/4" nylock (3)
22	330 257 R2	SHAFT, idler gear
23	360 610 R1	"O" RING, 1-5/8 x 1-7/8 x 1/8"
24	ST 204 A	BEARING, idler gear ball (2)
25	330 259 R91	GEAR w/two BEARING, ST 204 A and RING, 512 889 R1, idler
26	512 889 R1	RING, retainer
27	9 409 931	ELBOW, 90° street
28	346 504 R91	HOSE w/FITTINGS (HOSE 3/16" ID x 14-1/2" long including FITTINGS)
29	9 402 836	ELBOW, 1/8" NPT x 37° flare
30	126 152	FITTING, 1/8 x 45° lubrication (Lincoln 5200)
31	105 408	COUPLING, 1/8" (optional with 144 074)
31	144 074	COUPLING, 1/8" (optional with 105 408)

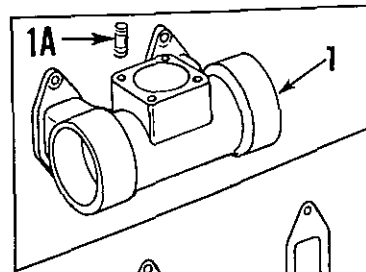
DIESEL ENGINE

(DT-36i)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED		
32	349 122 R1 179 791 103 319	CLIP, lubrication fitting extension 1/4 x 1/2" hex-hd cap SCREW 1/4" lock WASHER
33	137 967	NIPPLE, 1/8 x 9"
34	444 476	ELBOW, 1/8" x 90°
35	604 792 C1	SPACER, mounting trunnion (2)
36	334 555 R11	SHAFT, hydraulic pump drive (For Manual Shift and Agr. Crawler Tractors equipped with GEAR, 330 261 R92) TD-15BGM 1759 to 5510 TD-15BGAM 1759 to 5510
36	606 790 C93	SHAFT, hydraulic pump drive (For Manual Shift and Agr. Crawler Tractors equipped with GEAR, 337 034 R92) TD-15BGM 5511 up TD-15BGAM 5511 up TD-15BGM 5511 up TD-15BCSM 5511 up
37	601 743 C1	RETAINER, oil seal (also listed with "Crank-shaft and Flywheel") TD-15BPM 5025 up TD-15BGM 5025 up TD-15BGAM 5025 up TD-15BPSM 5025 up TD-15BGM 5025 up TD-15BCSM 5025 up
	214 168 R1	BOLT, 5/16 x 7/8" nylock (8)
	20 030 R1	BOLT, nylok (%) (2)
	330 261 R92	GEAR ASSEMBLY, equipment pump drive (*) (Composed of - 1 ADAPTER 330 263 R1 1 GEAR 330 262 R2 1 PIN 19 947 R1 2 RACE 336 050 R91)
	337 034 R92	GEAR, 330 262 R2 and two RACE, 336 050 R91, equipment pump drive (%)
	330 222 R1	PLUG, cup (%)
	151 162 R1	PLUG, cup (%)
	143 999	PLUG, 3/4" pipe
	609 334 C91	PACKAGE, rear oil seal conversion TD-15BGM 1759 to 5024 TD-15BGAM 1759 to 5024 (Composed of - 1 Drawing Camshaft Rear Oil Seal Installation IZG6788 1 RETAINER 601 743 C1 §1 SEAL §1 SLEEVE
		(*) - For Manual Shift Crawler Tractors. (%) - For Power Shift Crawler Tractors.
		§-Not Furnished Separately

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DIESEL ENGINE
 (DT-361)

EXHAUST MANIFOLD

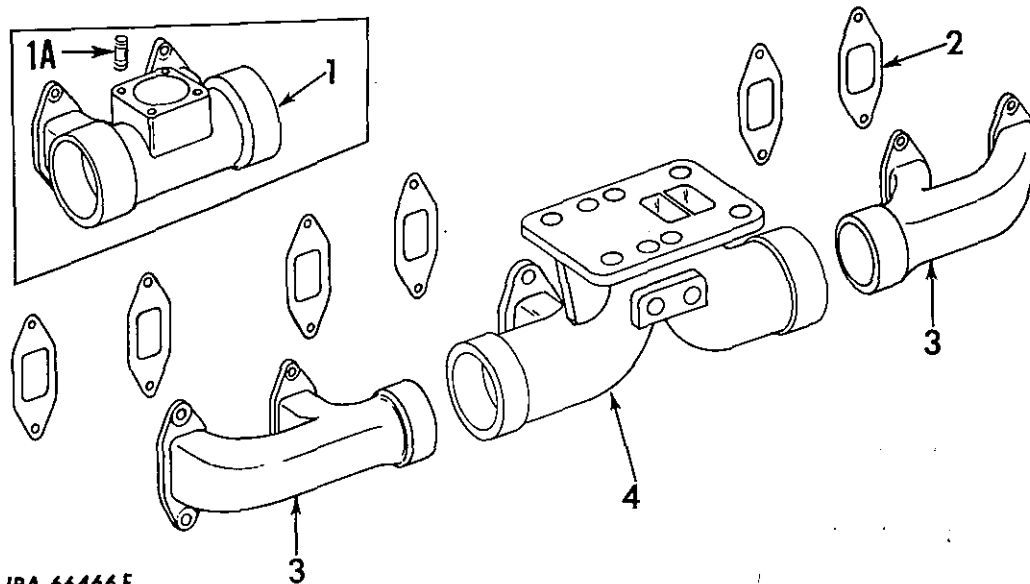


IPA-66466 F

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 522 R1	MANIFOLD, center TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431
1A	250 451 R1	NUT, exhaust manifold stud (4)
	351 678 R1	STUD, exhaust manifold (4)
2	326 523 R1	GASKET, exhaust manifold (6)
3	326 521 R1	MANIFOLD, front and rear exhaust (2) TD-15BPM 501 to 5383 (2) TD-15BGM 1759 to 5431 (2) TD-15BGAM 1759 to 5431 (2) TD-15BPSM 1759 to 5431

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DIESEL ENGINE
 (DT-361)

EXHAUST MANIFOLD -- CONTINUED

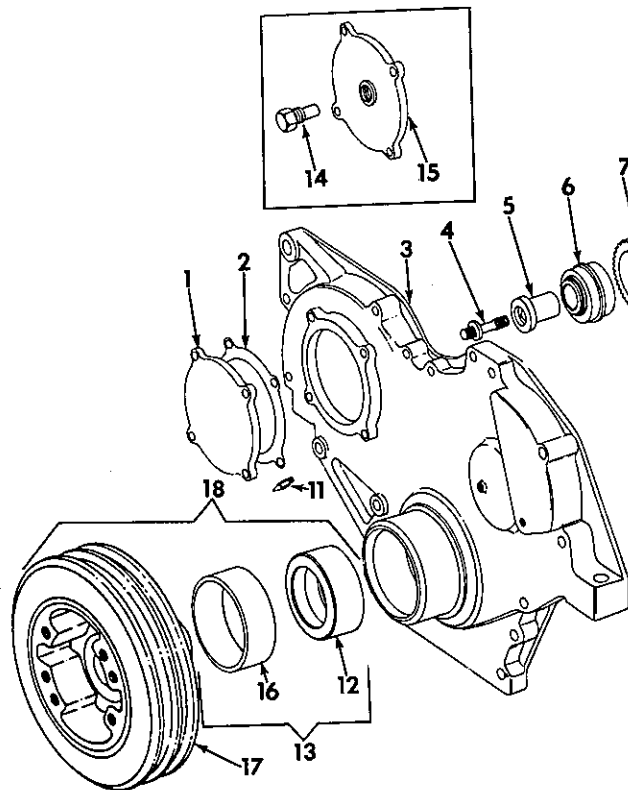


REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	607 251 C1	MANIFOLD, front, front and rear exhaust (2) TD-15BPM 5384 up (2) TD-15BGM 5432 up (2) TD-15BGAM 5432 up (2) TD-15BPSM 5432 up (2) TD-15BFGM 5432 up (2) TD-15BGSM 5432 up
	250 451 R1	NUT, exhaust manifold stud (8)
4	607 252 C21	MANIFOLD w/two PLUGS, 444 577, center TD-15BPM 5384 up TD-15BGM 5432 up TD-15BGAM 5432 up TD-15BPSM 5432 up TD-15BFGM 5432 up TD-15BGSM 5432 up
	250 451 R1	NUT, exhaust manifold stud (4)
	444 577	PLUG, 1/4" sq-hd pipe (2)
	351 678 R1	STUD, exhaust manifold (4)

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DIESEL ENGINE

(DT-361)

CRANKCASE FRONT COVER, IDLER GEAR, FLANGE AND RELATED PARTS



IPB-10706C

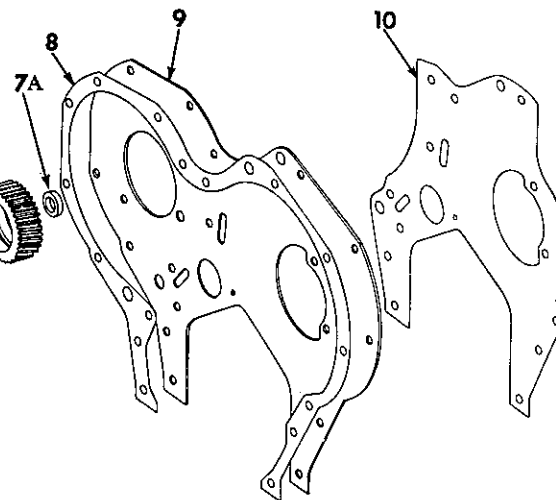
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 581 R1	COVER, injection pump (used on units equipped with RD Fuel Injection Pump)
	311 979 R1	BOLT (4)
2	326 582 R1	GASKET, injection pump cover
3	670 535 C11	COVER, w/INDICATOR, 601 256 C1 and STUD, 32 445 D, crankcase front (together with WASHER 20 841 D will work for COVER 341 605 R11)
	218 197	3/8NF NUT (2)
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (5)
	181 381	3/8NF x 2-1/2" hex-hd cap SCREW
	181 385	3/8NF x 3" hex-hd cap SCREW
	179 888	1/2 x 1-7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (7)
4	670 033 C1	BOLT, counter bore
5	326 583 R2	SHAFT, idler gear (together with SPACER, 601 740 C1, will work for SHAFT, 326 583 R1)
6	327 185 R91	BEARING, idler gear
7	326 612 R1	GEAR, injection pump idler
7A	601 740 C1	SPACER (used with SHAFT, 326 583 R2)

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DIESEL ENGINE

(DT-361)

CRANKCASE FRONT COVER, IDLER GEAR, FLANGE AND RELATED PARTS - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	326 580 R1	GASKET, front cover
9	328 732 R11	PLATE w/two DOWEL, 19 841 R1 and two NUT, 264 723 R1, crankcase front
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
10	328 735 R1	GASKET, front plate
11	83 811 H	INDICATOR, timing
		TD-15BPM 501 to 4637
		TD-15BGM 1759 to 4637
		TD-15BGAM 1759 to 4637
		TD-15BPSM 1759 to 4637
11	601 256 C1	INDICATOR, timing
		TD-15BPM 4638 up
		TD-15BGM 4638 up
		TD-15BGAM 4638 up
		TD-15BPSM 4648 up
		TD-15BGM 4638 up
		TD-15BPSM 4638 up
12	333 750 R91	OIL SEAL, crankshaft front
		TD-15BPM 501 to 5669
		TD-15BGM 1759 to 5669
		TD-15BGAM 1759 to 5669
		TD-15BPSM 1759 to 5669

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DIESEL ENGINE
(DT-361)

MEMORANDA

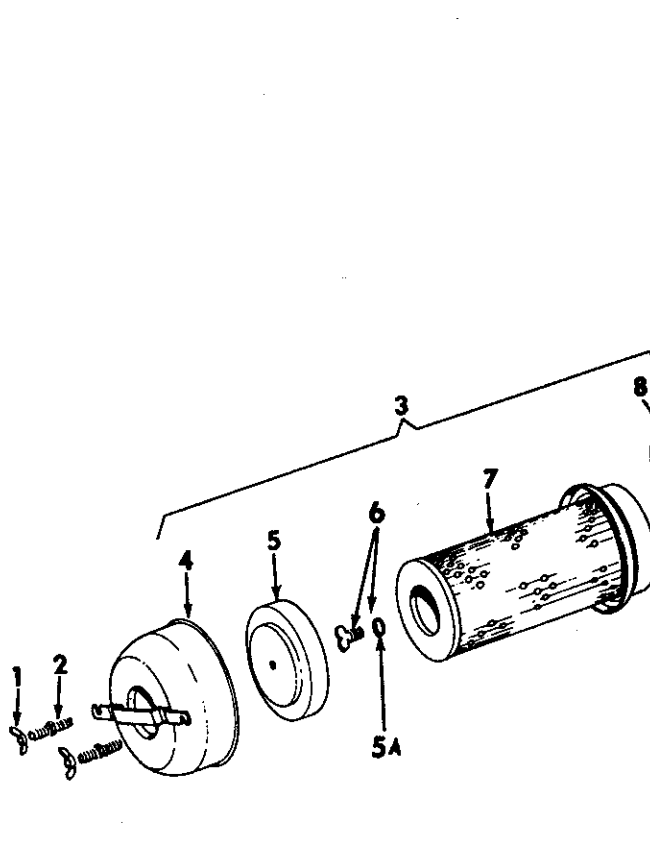
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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CRANKCASE FRONT COVER, IDLER GEAR, FLANGE AND RELATED PARTS - CONTINUED

12		OIL SEAL, crankshaft front (order PACKAGE, 606 780 C91) TD-15BPM 5670 up TD-15BGM 5670 up TD-15BGAM 5670 up TD-15BPSM 5670 up TD-15BGFM 5670 up TD-15BGSM 5670 up
13	606 780 C93	PACKAGE, oil seal and wear sleeve field service (consists of SEAL and SLEEVE, 606 779 C2) TD-15BPM 5670 up TD-15BGM 5670 up TD-15BGAM 5670 up TD-15BPSM 5670 up TD-15BGFM 5670 up TD-15BGSM 5670 up
14	606 792 C91	BUTTON, thrust (used on units equipped with Roosa-Master Fuel Injection Pump)
15	341 523 R11	COVER, injection pump (used on units equipped with Roosa-Master Fuel Injection Pump)
	311 979 R1	BOLT (4)
16	606 779 C2	SLEEVE, wear TD-15BPM 5670 up TD-15BGM 5670 up TD-15BGAM 5670 up TD-15BPSM 5670 up TD-15BGFM 5670 up TD-15BGSM 5670 up
17		DAMPER, vibration (order PACKAGE, 607 142 C92) 607 142 C92 BOLT, vibration damper (4)
18	607 142 C94	PACKAGE, vibration damper field service (consists of DAMPER, SEAL and SLEEVE, 606 779 C2)
	19 841 R1	DOWEL (2)
	674 295 C1	NUT, spline (2)
	32 445 D	STUD, 3/8 x 3/8NF x 1-9/16"
	20 841 D	WASHER, Cover (used with COVER 670 535 C11)

FUEL SYSTEM
(DT-361)

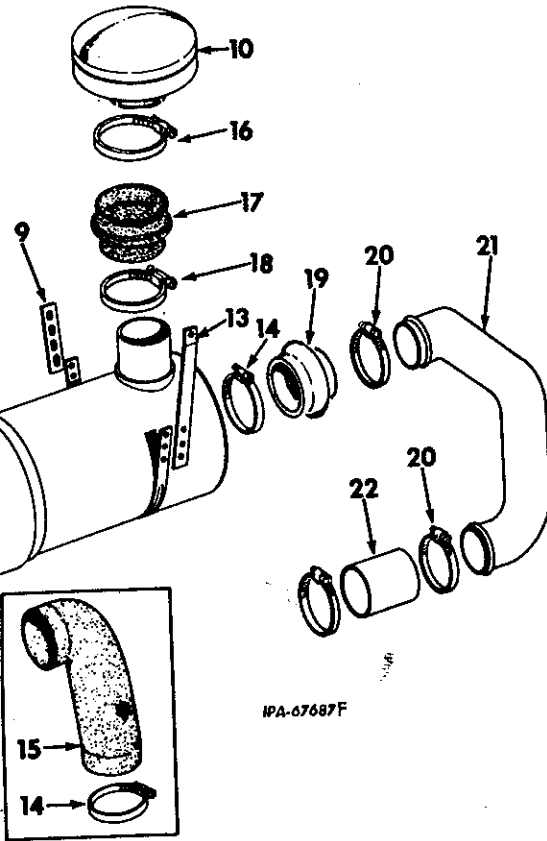
AIR CLEANER AND CONNECTIONS
(Donaldson) (Not Heavy Duty)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	103 129	NUT, 3/8" wing (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16 x 16 ga WASHER (2)
2	337 592 R91	STUD, air cleaner (2)
3	336 662 R91	CLEANER ASSEMBLY, air
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
4	343 729 R91	CUP, dust
5	343 730 R91	BAFFLE, cup
5A	225 064 R1	GASKET
6	313 714 R91	BOLT ASSY
7	343 731 R91	ELEMENT, filter
8		BODY (not furnished separately)
9	337 589 R1	SUPPORT, air cleaner outer
	179 856	7/16 x 3/4" hex-hd cap SCREW
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 322	7/16" lock WASHER
	103 341	13/32 x 13/16 x 16 ga WASHER (2)
10	321 877 R91	CAP, air cleaner

FUEL SYSTEM
(DT-361)

AIR CLEANER AND CONNECTIONS - CONTINUED
(Donaldson) (Not Heavy Duty)



IPA-67687F

REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	337 588 R1	SUPPORT, air cleaner inner
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	179 857	7/16 x 7/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
	103 322	7/16" lock WASHER
	103 341	13/32 x 13/16 x 16 ga WASHER (2)
14	347 364 R91	CLAMP, air cleaner to turbocharger hose
	(2)	TD-15BP 6001 to 20420
	(2)	TD-15BG 7260 to 20420
	(2)	TD-15B(Agr)BGA 7260 to 20420
	(2)	TD-15BPS 9371 to 20420
	(1)	TD-15BP 21421 up
	(1)	TD-15BG 21421 up
	(1)	TD-15B(Agr)BGA 21421 up
	(1)	TD-15BPS 21421 up
	(1)	TD-15BGF 21281 up
	(1)	TD-15BGS 21676 up
15	336 660 R91	HOSE, air cleaner outlet (For Airesearch Turbocharger)
		TD-15BP 6001 to 20420
		TD-15BG 7260 to 20420
		TD-15B(Agr)BGA 7260 to 20420
		TD-15BPS 9371 to 20420

FUEL SYSTEM

(JT-361)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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AIR CLEANER AND CONNECTIONS-- CONTINUED
(Donaldson) (Not Heavy Duty)

16	327 094 R91	CLAMP, air cleaner to hood hose TD-15BP 6641 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
17	331 914 R1	HOSE, air cleaner to hood TD-15BP 6641 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
18	274 090 R91	CLAMP, air cleaner to hood hose TD-15BP 6641 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
19	610 675 C1	ADAPTER, air cleaner outlet tube TD-15BP 20421 up TD-15BG 20421 up TD-15B(Agr)BGA 20421 up TD-15BPS 20421 up TD-15BGF 21281 up TD-15BGS 21676 up
20	397 257 R1	CLAMP, air cleaner outlet tube to turbo-charger (3) TD-15BP 20421 up (3) TD-15BG 20421 up (3) TD-15B(Agr)BGA 20421 up (3) TD-15BPS 20421 up (3) TD-15BGF 21281 up (3) TD-15BGS 21676 up
21	609 996 C11	TUBE, air cleaner outlet TD-15BP 20421 up TD-15BG 20421 up TD-15B(Agr)BGA 20421 up TD-15BPS 20421 up TD-15BGF 21281 up TD-15BGS 21676 up
22	407 015 R1	HOSE, air cleaner outlet to turbocharger (3 x 3/16 x 1-3/4") (For Solar Turbo-charger) (*) TD-15BP 20421 to 21627 TD-15BG 20421 to 21609 TD-15B(Agr)BGA 20421 to ‡ TD-15BPS 20421 to ‡
22	670 065 C1	HOSE, air cleaner outlet to turbocharger (For Schwitzer Turbocharger) TD-15BP 21628 up TD-15BG 21610 up TD-15B(Agr)BGA ‡ up TD-15BPS ‡ up

‡ - Serial number not available.
 (*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.

FUEL SYSTEM

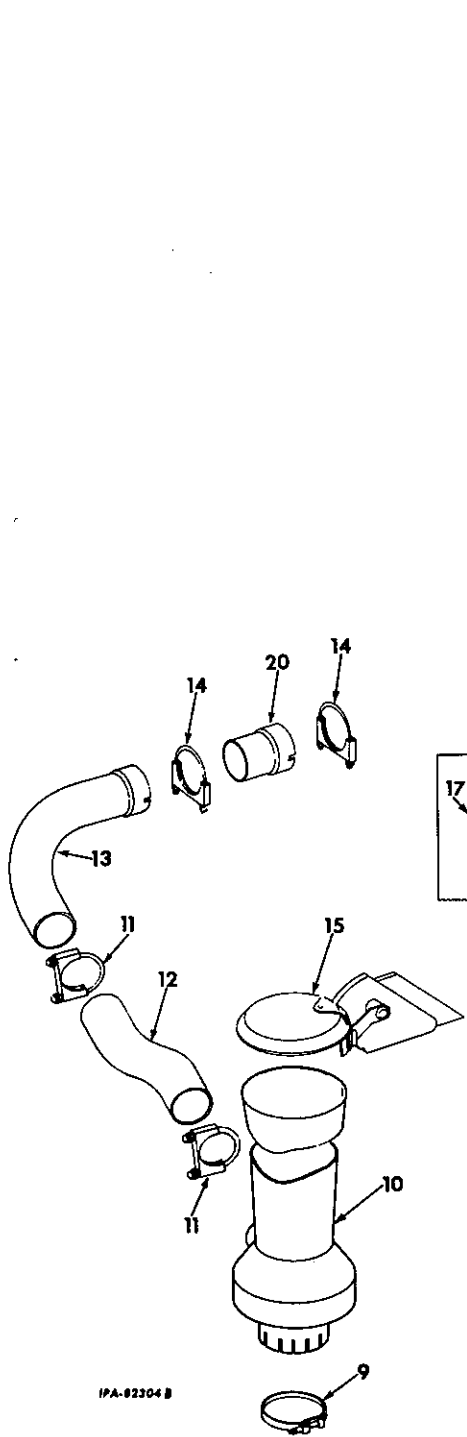
(DT-36i)

HEAVY DUTY AIR CLEANER

(Farr)

(Used on Units equipped with Airesearch Turbochargers)

- TD-15BPM 501 to 5383
- TD-15BGM 1759 to 5431
- TD-15BGAM 1759 to 5431
- TD-15BPSM 1759 to 5431



IPA-82304B

FUEL SYSTEM

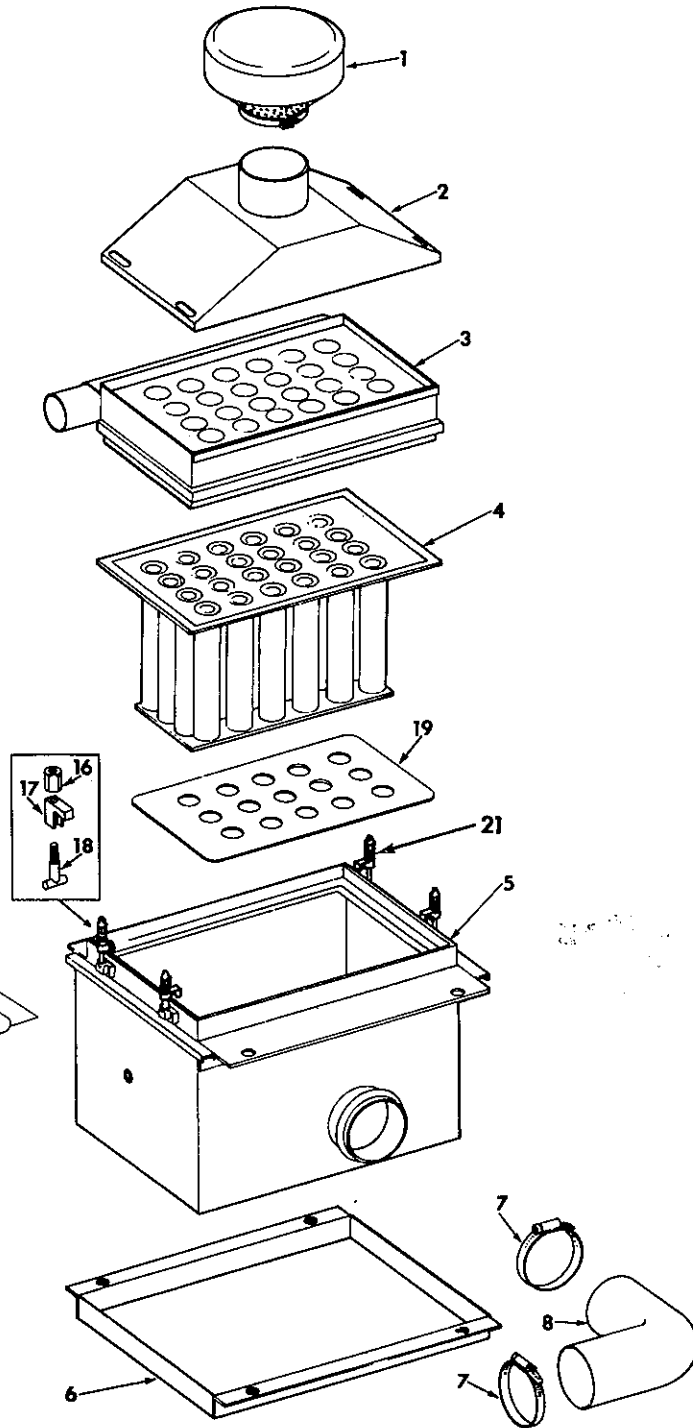
(DT-36i)

HEAVY DUTY AIR CLEANER - CONTINUED

(Farr)

(Used on Units equipped with Airesearch Turbochargers)

- TD-15BPM 501 to 5383
- TD-15BGM 1759 to 5431
- TD-15BGAM 1759 to 5431
- TD-15BPSM 1759 to 5431



FUEL SYSTEM

(DT-361)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HEAVY DUTY AIR CLEANER - CONTINUED

(Farr)

(Used on Units Equipped with Airesearch Turbochargers)

TD-15BPM 501 to 5383

TD-15BGM 1759 to 5431

TD-15BGAM 1759 to 5431

TD-15BPSM 1759 to 5431

	607 592 C95	ATTACHMENT, heavy duty air cleaner (See NOTE 3)
1	606 827 C91	CAP, air intake
2	606 823 C91	ADAPTER, intake
3	606 825 C91	PANEL, rotopamic
4	327 491 R91	ELEMENT, air cleaner
5	702 748 C91	HOUSING w/four FASTENER, 702 718 C1 and PLATE, 613 546 C91, air cleaner
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
6	179 840	FRAME, mounting (Not Furnished Separately) 3/8 x 1-1/8" hex-hd cap SCREW (4)
7	422 688 R91	CLAMP, hose (2)
8	606 822 C1	ELBOW, 90° (rubber)
9	615 094 C91	CLAMP, aspirator
10	702 216 C1	ASPIRATOR, air cleaner
11	327 494 R91	CLAMP, exhaust (2)
12	606 799 C1	HOSE, metal
13	615 096 C1	ELBOW, exhaust
14	327 495 R91	CLAMP, exhaust (2)
15	610 796 C91	CAP, aspirator rain (B-21445-20)
16		NUT (order four FASTENER, 702 718 C1)(4)
17		RETAINER, hook panel (order four FASTENER, 702 718 C1) (4)
18		BOLT, retainer tee (order four FASTENER, 702 718 C1) (4)
19	613 546 C91	PLATE, lower
20	615 095 C1	EXTENSION, tube
21	702 718 C1	FASTENER, cam type (4)
1	085 068 R1	PAMPHLET, installation instructions
	606 828 C91	PLATE, cover (used to cover air cleaner hole in dash)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
2	752 940 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted yellow)
2	752 941 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted red)
	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1 air cleaner filter to indicator (also listed and illustrated with "Filter Service Indicator")
		WASHER, belleville (24) (order four FASTENER, 702 420 C1)

NOTE 3 - Field Application - Order through Regular Service Parts Channels

FUEL SYSTEM

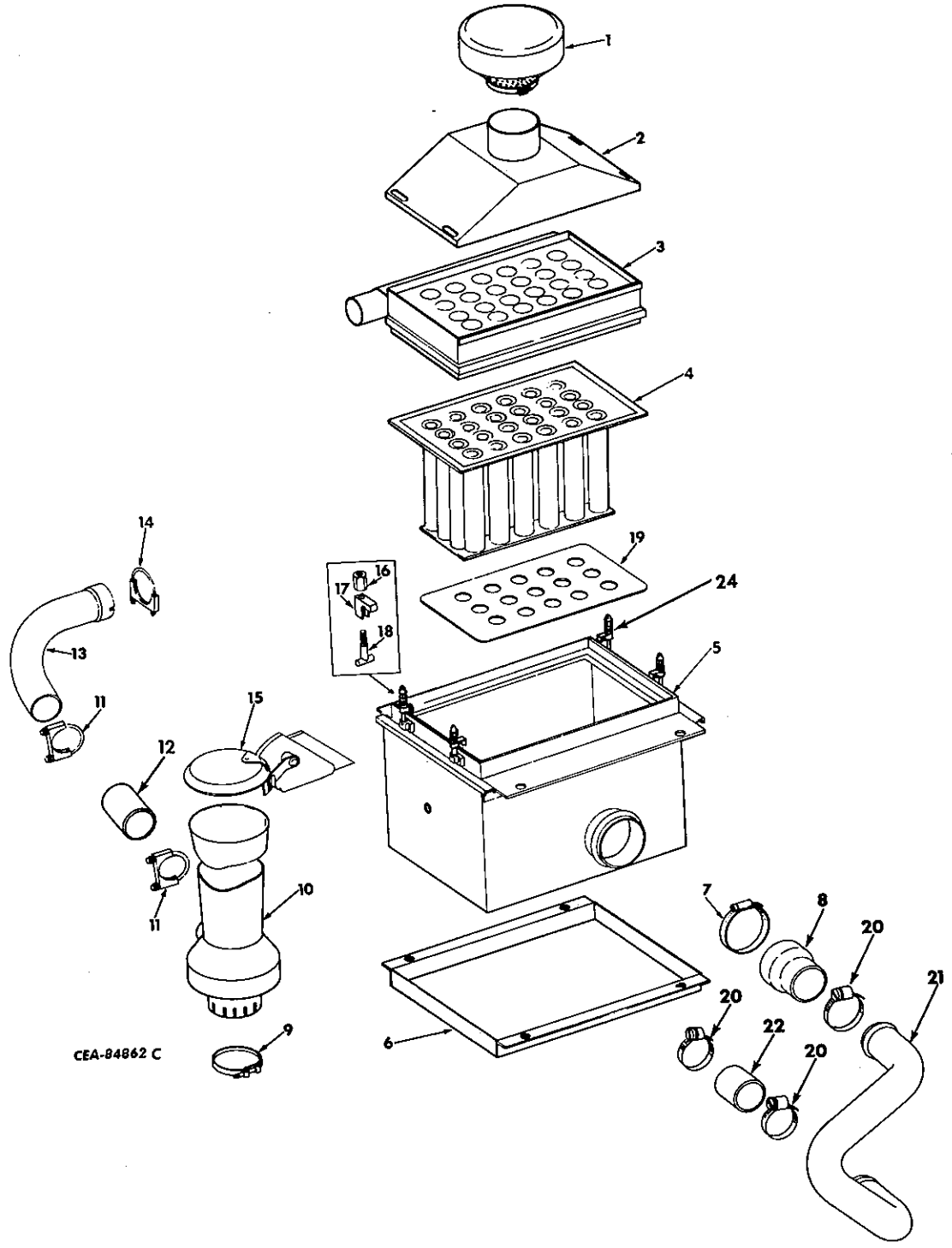
(DT-361)

HEAVY DUTY AIR CLEANER
(Farr)
(Used on Units Equipped with Solar or Schwitzer Turbocharger)
TD-15BPM 5384 up
TD-15BGM 5432 up
TD-15BGAM 5432 up
TD-15BPSM 5432 up
TD-15BGF 21281 up
TD-15BGS 21676 up

FUEL SYSTEM

(DT-361)

HEAVY DUTY AIR CLEANER - CONTINUED
(Farr)
(Used on Units Equipped with Solar or Schwitzer Turbocharger)
TD-15BPM 5384 up
TD-15BGM 5432 up
TD-15BGAM 5432 up
TD-15BPSM 5432 up
TD-15BGF 21281 up
TD-15BGS 21676 up



FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HEAVY DUTY AIR CLEANER - CONTINUED
(Farr)

(Used on Units Equipped with Solar or Schwitzer Turbocharger)
 TD-15BPM 5384 up
 TD-15BGM 5432 up
 TD-15BGAM 5432 up
 TD-15BPSM 5432 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up

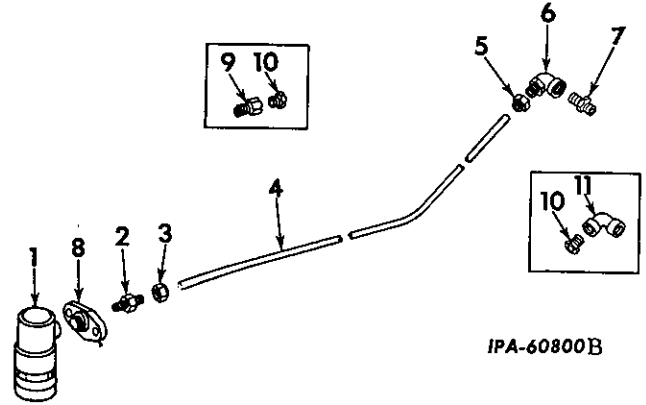
Parts without letters after the description indicate the part is used for all attachments listed below. Letters "A" and "B" are used to identify separate attachments.

A	612 708 C93	ATTACHMENT, heavy duty air cleaner (For use with Solar Turbocharger) (See NOTE 3)
B	703 180 C92	ATTACHMENT, heavy duty air cleaner (For use with Schwitzer Turbocharger) (See NOTE 3)
1	606 827 C91	CAP, air intake
2	606 823 C91	ADAPTER, intake
3	606 825 C91	PANEL, rotopanic
4	327 491 R91	ELEMENT, air cleaner
5	702 748 C91	HOUSING w/four FASTENER, 702 718 C1 and PLATE, 613 546 C91 air cleaner
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
6		FRAME, mounting (Not Furnished Separately)
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (4)
7	422 688 R91	CLAMP, hose (Attachment A)
7	347 364 R91	CLAMP, hose (Attachment B)
8	610 675 C1	ADAPTER, air cleaner outlet tube
9	615 094 C91	CLAMP, aspirator
10	702 216 C1	ASPIRATOR, air cleaner
11	327 494 R91	CLAMP, exhaust (2)
12	613 895 C1	HOSE, metal
13	615 096 C1	ELBOW, exhaust
14	327 495 R91	CLAMP, exhaust
15	610 796 C91	CAP, aspirator rain
16		NUT (order four FASTENER, 702 718 C1) (4)
17		RETAINER, hook panel (order four FASTENER, 702 718 C1) (4)
18		BOLT, retainer tee (order four FASTENER, 702 718 C1) (4)
19	613 546 C91	PLATE, lower (B-26127)
20	279 029 R91	CLAMP, hose (3 for Attachment A)
20	397 257 R1	CLAMP, hose (3 for Attachment B)
21	612 761 C2	TUBE, air cleaner outlet
22	407 015 R1	HOSE, air cleaner outlet to turbocharger (3 x 3/16 x 1-3/4") (Attachment A) (*)
22	670 065 C1	HOSE, adapter to turbocharger inlet (Attachment B)
24	702 718 C1	FASTENER, cam type (4)
	606 828 C91	PLATE, cover (used to cover air cleaner hole in dash)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	2 752 940 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted yellow)
	2 752 941 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted red)
	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (also listed and illustrated with "Filter Service Indicator")

§ - Not Furnished Separately.
 NOTE 3 - Field Application - Order through Regular Service Parts Channels
 (*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.

FUEL SYSTEM
(DT-361)

FILTER SERVICE INDICATOR



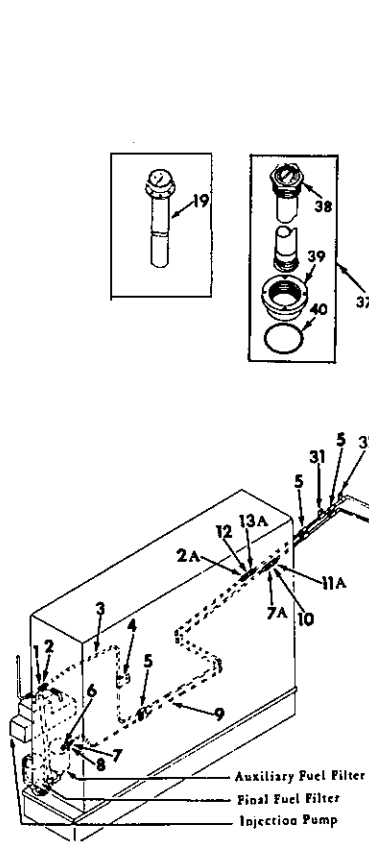
IPA-60800B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	346 666 R91	INDICATOR, dry type air cleaner (together with FLANGE, 284 874 C1, will work for INDICATOR, 324 365 R91)
	103 089	No. 12 NUT (2)
	18 753 R1	No. 12 x 3/4" hex-hd cap SCREW (2)
	106 498	No. 12 lock WASHER (2)
2	606 999 C1	BODY, air cleaner service indicator to tube (at indicator) (used with TUBE, 607 855 C11 or 703 109 C91)
3	606 925 C1	NUT, air cleaner filter to indicator tube (at indicator) (used with TUBE, 607 855 C11 or 703 109 C91)
	606 926 C1	SLEEVE, air cleaner filter to indicator tube (at indicator)
4	703 109 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (will work for TUBE, 607 855 C11) (also TUBE, 703 109 C91 together with ELBOW, 610 040 C1 and BODY, 606 999 C1 will work for TUBE, 331 983 R1) (not used with heavy duty air cleaner)
4	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (used with heavy duty air cleaner)
5	606 925 C1	NUT, air cleaner filter to indicator tube (at air cleaner) used with TUBE 703 109 C91 or 607 855 C11)
	606 926 C1	SLEEVE, air cleaner filter to indicator tube (at air cleaner)
6	610 040 C1	ELBOW, air cleaner service indicator tube to indicator (at air cleaner) (used with TUBE, 607 855 C11 or 703 109 C91)
7	317 972 R91	NIPPLE and FILTER (at air cleaner)
8	284 874 C1	FLANGE, air cleaner filter indicator mounting
9	59 939 D	BODY, air cleaner service indicator to tube (at indicator) (used with TUBE, 331 983 R1)
10	36 092 D	NUT, air cleaner filter to indicator tube (used with TUBE, 331 983 R1) (2)
11	19 717 R1	ELBOW, air cleaner service indicator tube to indicator (at air cleaner) (used with TUBE, 331 983 R1)
	263 514 R91	CLIP, filter indicator tube (on air cleaner inner support) (used with TUBE, 607 855 C1)
	263 716 R91	CLIP, filter indicator tube (used with TUBE, 703 109 C91)
	102 634	5/16" NUT (2)
	179 813	5/16 x 9/16" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)

FUEL SYSTEM

(DT-361)

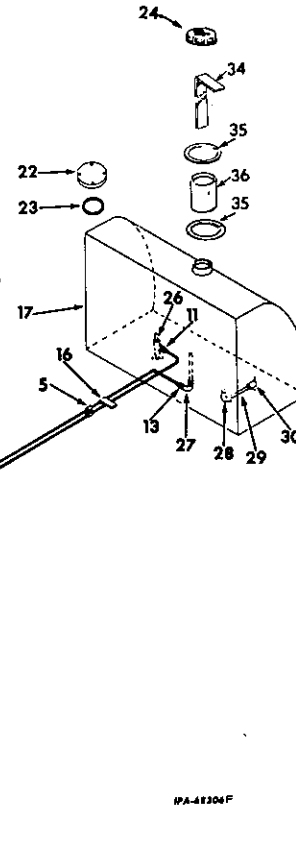
FUEL TANK, PIPING AND RELATED PARTS



FUEL SYSTEM

(DT-361)

FUEL TANK, PIPING AND RELATED PARTS - CONTINUED



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	39 584 D	CONNECTOR, fuel return front pipe (±) TD-15BP 6001 to 7948 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
1	38 026 DM	BODY, fuel return front pipe (†) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
1	606 819 C1	CONNECTOR, fuel return front pipe (†) TD-15BP 9623 to 20415 TD-15BG 9623 to 20432 TD-15B(Agr)BGA 9623 to 20432 TD-15BPS 9623 to 20432
1	606 929 C1	CONNECTOR, fuel return front pipe (±) TD-15BP 20416 up TD-15BG 20433 up TD-15B(Agr)BGA 20433 up TD-15BPS 20433 up TD-15BGF 21281 up TD-15BGS 21676 up
2	37 165 D	NUT, fuel return front pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622

REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	265 205 R1	NUT, fuel return front pipe TD-15BP 9623 up TD-15BG 9623 up TD-15BPS 9623 up TD-15B(Agr)BGA 9623 up TD-15BGF 21281 up TD-15BGS 21676 up
2A	265 204 R1	SLEEVE, fuel return front pipe
37 165 D		NUT, fuel return front pipe TD-15BP 6001 to 6843
2A	265 205 R1	NUT, 3/8" flex fuel return front pipe TD-15BP 6844 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
265 204 R1		SLEEVE, 3/8" flex fuel return front pipe
3	603 403 C1	PIPE, fuel return front (±) TD-15BP 6001 to 6326
3	325 528 R1	PIPE, fuel return front (±) TD-15BP 6327 to 7948 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948

† - For Units Equipped with International RD Fuel Injection Pump.
± - For Units Equipped with Roosa-Master Fuel Injection Pump.

FUEL SYSTEM

(DT-36i)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
3	604 506 C1	PIPE, fuel return front (†) (see NOTE A) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
3	612 731 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return front (†) TD-15BP 9623 to 20415 TD-15BG 9623 to 20432 TD-15B(Agr)BGA 9623 to 20432 TD-15BPS 9623 to 20432
3	611 236 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return front (±) TD-15BP 20416 up TD-15BG 20433 up TD-15B(Agr)BGA 20433 up TD-15BPS 20433 up TD-15BGS 21676 up TD-15BGF 21281 up
4	299 902 R1	CLAMP, fuel return front pipe (on front bolt of oil filler neck flange) TD-15BP 6001 to 20415 TD-15BG 7260 to 20432 TD-15B(Agr)BGA 7260 to 20432 TD-15BPS 9371 to 20432
5	66 362 D 272 941 R1 262 038 R1 271 212	CLAMP, fuel pipe (8) CUSHION, fuel pipe clamp (8) NUT, fuel pipe clamp speed (4) 1/4 x 7/8" slt-fil-hd mach SCREW (4)
6	37 287 H	CONNECTOR, fuel supply front pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
6	606 929 C1	CONNECTOR, fuel return tube front TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
7	37 288 H	NUT, fuel supply front pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
7	265 205 R1	NUT, fuel supply front pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, fuel supply front pipe
7A	37 288 H	NUT, 42" hi-duty fuel supply front pipe TD-15BP 6001 to 6843
7A	265 067 R1	NUT, 1/2" flex fuel supply front pipe TD-15BP 6844 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
	265 066 R1	SLEEVE, 1/2" flex fuel supply front pipe
7A	265 205 R1	NUT, fuel supply front pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, fuel supply front pipe
8	444 014	ADAPTER, fuel supply front pipe reducer (1/2 - 3/8") (Used with PIPE, 325 527 R1)
9	603 402 C1	PIPE, fuel supply front (±) TD-15BP 6001 to 6326

FUEL SYSTEM

(DT-36i)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
9	325 527 R1	PIPE, fuel supply front (±) TD-15BP 6327 to 6990, also 7009, 7023, 7031 and 7034
9	345 874 R1	PIPE, fuel supply front (±) TD-15BP 6991 to 7948 except 7009, 7023, 7031 and 7034 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
9	604 505 C1	PIPE, fuel supply front (†) (see NOTE B) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
9	607 851 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply front (†) TD-15BP 9623 to 20124 TD-15BG 9623 to 20124 TD-15B(Agr)BGA 9623 to 20124 TD-15BPS 9623 to 20124
9	609 713 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply front (†) TD-15BP 20125 to 20415 TD-15BG 20125 to 20432 TD-15B(Agr)BGA 20125 to 20432 TD-15BPS 20125 to 20432
9	611 235 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply front (±) TD-15BP 20416 up TD-15BG 20433 up TD-15B(Agr)BGA 20433 up TD-15BPS 20433 up TD-15BGS 216676 up TD-15BGF 216676 up
<p>(†) - For Units Equipped With International RD Fuel Injection Pump. (±) - For Units Equipped with Roosa-Master Fuel Injection Pump.</p>		
<p>NOTE A - To update machines equipped with fuel return front PIPE, 604 506 C1 serial numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TD-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622 and fuel return rear PIPE, 325 529 R1 serial numbers TD-15BP 6327 to 9622, TD-15BG 7260 to 9622, TB-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622.</p> <p>(Order the following parts - 1 CONNEC- TOR 606 819 C1 1 ELBOW 333 774 R1 1 TUBE 607 852 C11 1 TUBE 607 853 C11 1 BODY 603 867 C1)</p>		
<p>NOTE B - To update machines equipped with fuel supply front PIPE, 604 505 C1 serial numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TB-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622 and fuel supply rear PIPE, 325 526 R1, serial numbers TD-15BP 6327 to 9622, TD-15BG 7260 to 9622, TB-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622.</p> <p>(Order the following parts - 1 CONNEC- TOR 603 867 C1 1 CONNEC- TOR 333 773 C1 1 TUBE 607 850 C11 1 TUBE 607 851 C11 1 VALVE 606 928 C91)</p>		

FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
9	609 716 C1	TUBE, fuel supply front (furnished as part of ATTACHMENT, 609 709 C91) (±)
9	609 712 C1	TUBE, fuel supply front (furnished as part of ATTACHMENT, 609 707 C91) (†)
10	17 085 R1	BODY, front and rear fuel supply tube TD-15BP 6001 to 6843
10	603 868 C1	BODY, front and rear fuel supply tube TD-15BP 6844 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
10	603 867 C1	BODY, front and rear fuel supply tube union TD-15BP 9623 up TD-15BG 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up
11	37 288 H	NUT, fuel supply rear pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
11	265 205 R1	NUT, fuel supply rear pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, fuel supply rear pipe
11A	37 288 H	NUT, 1/2" hi-duty fuel supply rear pipe TD-15BP 6001 to 6843
11A	265 067 R1	NUT, 1/2" flex fuel supply rear pipe TD-15BP 6844 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
	265 066 R1	SLEEVE, 1/2" flex fuel supply rear pipe
11A	265 205 R1	NUT, fuel supply rear pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, fuel supply rear pipe
12	55 999 D	UNION, front and rear fuel return pipe TD-15BP 6001 to 6843
12	603 867 C1	UNION, front and rear fuel return pipe TD-15BP 6844 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGS 21676 up TD-15BGF 21281 up
13	37 165 D	NUT, fuel return rear pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
13	265 205 R1	NUT, fuel return rear pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, fuel return rear pipe
13A	37 165 D	NUT, fuel return rear pipe TD-15BP 6001 to 6843
13A	265 205 R1	NUT, 3/8" flex fuel return rear pipe TD-15BP 6844 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BPS 9371 up TD-15BGS 21676 up TD-15BGF 21281 up
	265 204 R1	SLEEVE, 3/8" flex fuel return rear pipe

FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
14	603 404 C1	PIPE, fuel return rear (±) TD-15BP 6001 to 6326
14	325 529 R1	PIPE, fuel return rear (±) (†) (see NOTE A) TD-15BP 6327 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
14	607 853 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return rear (†) (±) TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BCF 21281 up
15	603 401 C1	PIPE, fuel supply rear (±) TD-15BP 6001 to 6326
15	325 526 R1	PIPE, fuel supply rear (±) (†) (see NOTE B) TD-15BP 6327 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
(†) - For Units Equipped with International RD Fuel Injection Pump. (±) - For Units Equipped with Roosa-Master Fuel Injection Pump.		
NOTE A - To update machines equipped with fuel return front PIPE, 604 506 C1 serial numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TD-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622 and fuel return rear PIPE, 325 529 R1 serial numbers TD-15BP 6327 to 9622, TD-15BG 7260 to 9622, TD-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622. (Order the following parts - 1 CONNec- TOR 606 819 C1 1 ELBOW 333 774 R1 1 TUBE 607 852 C11 1 TUBE 607 853 C11 1 BODY 603 867 C1)		
NOTE B - To update machines equipped with fuel supply front PIPE, 604 505 C1 serial numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TD-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622 and fuel supply rear PIPE, 325 526 R1, serial numbers TD-15BP 6327 to 9622, TD-15BG 7260 to 9622, TD-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622. (Order the following parts - 1 CONNec- TOR 603 867 C1 1 CONNec- TOR 333 733 R1 1 TUBE 607 850 C11 1 TUBE 607 851 C11 1 VALVE 606 928 C91)		

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FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
15	607 850 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply rear (±) (1) TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGS 21676 up TD-15BGF 21281 up
16	299 902 R1	CLAMP, fuel return rear pipe (on front bolt of planetary inspection cover)
17	700 373 C91	TANK w/CAP, 305 798 R11 and SUPPORT, fuel (for power shift and sideboom tractors) (not increased capacity) TD-15BP 6001 up TD-15BPS 9371 up
	102 639	5/8" NUT (8)
	271 555	5/8 x 1-1/8" hex-hd cap SCREW (4)
	271 560	5/8 x 1-3/4" hex-hd cap SCREW (8)
	524 443 R1	WASHER, hardened (16)
	285 048 R1	SHIM, fuel tank mounting (X)
17	703 344 C92	TANK w/SUPPORT, fuel (for gear drive tractors) (not increased capacity) (will work for TANK, 331 800 R93) (Composed of - 1 CAP 701 922 C1 1 STRAINER 624 478 C1 2 RING 317 943 R1 1 DIP STICK 611 409 C1) 102 639 5/8" NUT (8) 271 555 5/8 x 1-1/8" hex-hd cap SCREW (4) 271 560 5/8 x 1-3/4" hex-hd cap SCREW (8) 479 814 R1 WASHER, hardened (16) 285 048 R1 SHIM, fuel tank mounting (X) TD-15BG 7260 up TD-15B(Agr)BGA 7260 up TD-15BGF 21281 up TD-15BGS 21676 up
17	612 608 C91	ATTACHMENT, increased capacity fuel tank (for power shift and sideboom tractors) (Consists of fuel tank ASSY, 703 348 C91 and tank support end SHEET, 341 923 R1) (See NOTE 3) TD-15BP 21005 up TD-15BPS 21005 up
19	333 875 R91	GAUGE, fuel level (Optional with GAUGE ASSY, 612 792 C91) (use with TANK, 700 373 C91, 700 151 C91 or 331 800 R93) 179 793 1/4 x 5/8" hex-hd cap SCREW (4) 103 319 1/4" lock WASHER (4)
20	266 337 R91	ATTACHMENT, fuel strainer (consists of GASKET, 303 962 R1 and STRAINER) (order ATTACHMENT, 611 411 C91)
21	303 962 R1	GASKET, fuel strainer (used with ATTACHMENT, 266 337 R91)
22	267 082 R1	COVER, gauge mounting ring (use with TANK, 700 373 C91, 700 151 C91 or 331 800 R93) 179 791 1/4 x 1/2" hex-hd cap SCREW (4) 103 319 1/4" lock WASHER (4)
23	266 622 R1	GASKET, gauge mounting ring (use with TANK, 700 373 C91, 700 151 C91 or 331 800 R93)
24	701 922 C1	CAP w/GASKET 618 688 C1, fuel tank (will work for CAP, 305 798 R11)

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FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED		
26	324 054 R91	VALVE, fuel shut-off TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
26	650 443 C92	VALVE, fuel shut-off TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGF 21281 up TD-15BGS 21676 up
27	42 406 D	ELBOW, return rear pipe TD-15BP 6001 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
27	333 774 R1	ELBOW, return rear pipe TD-15BP 9623 up TD-15BG 9623 up TD-15B(Agr)BGA 9623 up TD-15BPS 9623 up TD-15BGF 21281 up TD-15BGS 21676 up
28	111 316	ELBOW, fuel tank drain (3/8")
29	190 699	PIPE, fuel tank drain (3/8 x 6")
30	31 729 D	VALVE, fuel tank drain (together with COUPLING, 187 396 and PIPE, 190 699, will work for 324 054 R91)
31	263 717 R91	CLIP, fuel pipe (on lower bolt of brake pedal bracket)
32	276 956 R91	CLAMP, fuel return line (on foot brake spring anchor pin)
34	611 409 C1	STICK, fuel tank dip (also used with ATTACHMENT, 611 411 C91)
35	317 943 R1	RING, fuel retainer snap (used with ATTACHMENT, 611 411 C91) (2)
36	624 478 C1	STRAINER, fuel (furnished with ATTACHMENT, 611 411 C91 and TANK ASSY, 703 344 C91 and TANK, 703 348 C91)
37	612 792 C91	GAUGE, assy fuel level (Optional with 333 875 R91) (used with TANK 700 373 C91, 700 151 C91 or 331 800 R93) (Consists of - 1 ADAPTER 612 794 C1 1 GAUGE 615 271 C1 1 RING 301 913 C1)
38	615 271 C1	GAUGE, fuel level (part of GAUGE 612 792 C1) 179 793 1/4 x 5/8" hex-hd cap SCREW (4) 103 319 1/4" lock WASHER (4)
39	612 794 C1	ADAPTER, fuel level gauge mounting (used with GAUGE, 612 792 C91) (†) - For Units Equipped with International RD Fuel Injection Pump (±) - For Units Equipped with Roosa-Master Fuel Injection Pump. (X) - As Required. NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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FUEL SYSTEM
(DT-364)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL TANK, PIPING AND RELATED PARTS - CONTINUED

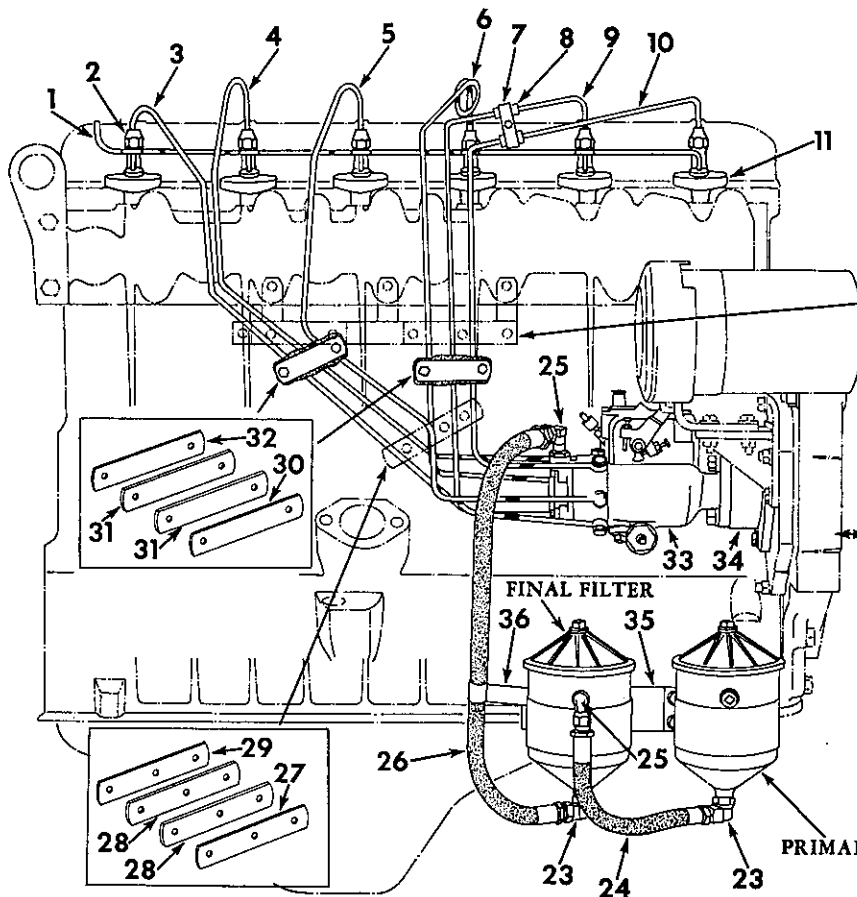
40	301 913 R1	RING, adapter sealing (2 x 2 x 3/32") (Used with GAUGE, 612 792 C91)
	611 411 C91	ATTACHMENT, fuel strainer (consists of STRAINER, 624 478 C1, two RINGS, 317 943 R1 and DIP STICK, 611 409 C1) (will work for ATTACHMENT, 266 337 R91) (See NOTE 3) TD-15BP 6001 to 21521 TD-15BPS 9371 to 21521 TD-15BG 7260 to 21510 TD-15B(Agr)BGA 7260 to 21510
	331 804 R2	COVER, fuel tank support LH (for power shift and sideboom crawler tractors) TD-15BP 6001 to 21414 TD-15BPS 9371 to 21414
	102 635	3/8" NUT (4)
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga. WASHER (4)
	700 376 C1	COVER, fuel tank support LH for power shift and sideboom crawler tractors) TD-15BP 21415 up TD-15BPS 21415 up
	179 836	3/8 x 11/16" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga. WASHER (2)
	334 753 R1	COVER, fuel tank support RH
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	103 341	13/32 x 13/16" x 16 ga. WASHER (3)
	305 799 R1	GASKET, fuel tank cap (used with fuel CAP, 305 798 R11)
	618 688 C1	GASKET, fuel tank cap (used with CAP 701 922 C1)
	341 923 R1	SHEET, LH fuel tank support TD-15BP 6001 to 21414; also 22001 up TD-15BPS 9371 to 21414; also 22001 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 up Furnished w/ATTACHMENT, 612 608 C91 TD-15BP 21415 up TD-15BPS 21415 up
	187 396	COUPLING, fuel tank drain (used with VALVE, 31 729 D)
	603 405 C1	PIPE, fuel leakoff TD-15BP 6001 to 6326

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

FUEL SYSTEM

(DT-361)

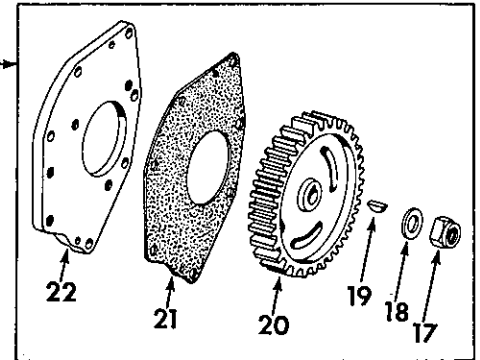
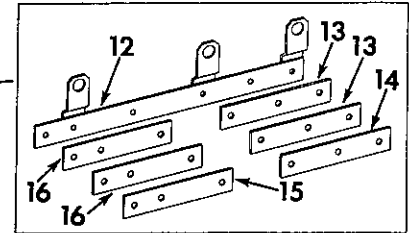
FUEL INJECTION PUMP, PIPES AND CONNECTIONS
(For Units Equipped With Roosa-Master Fuel Injection Pump)
(TD-15BPM 501 to 814)



FUEL SYSTEM

(DT-361)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED
(For Units Equipped With Roosa-Master Fuel Injection Pump)
(TD-15BPM 501 to 814)



IPA-67874 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	341 065 R91	MANIFOLD, leakoff
	279 982 R1	BODY, tube connector
	278 041 R1	NUT, tube
	278 040 R2	SLEEVE, tube
	915 500 R1	SLEEVE, rubber (6)
2	250 617 R1	NUT, injection tube (6)
	250 610 R2	SLEEVE, injection tube (6)
3	341 485 R11	PIPE, injection No. 6
4	341 484 R11	PIPE, injection No. 5
5	341 483 R11	PIPE, injection No. 4
6	341 482 R11	PIPE, injection No. 3
7	341 658 R1	CLIP, injection line
	103 024	1/4NF NUT
	181 317	1/4NF x 1-1/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
8	341 660 R1	SLEEVE, injection pump line (2)
9	341 481 R11	PIPE, injection No. 2
10	341 480 R11	PIPE, injection No. 1

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
11		HOLDER ASSEMBLY, nozzle (for components see list of parts under details of "Nozzle Holder") (6)
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (12)
12	345 361 R91	CLAMP, injection line (TD-15BPM 807 to 814)
13	345 367 R1	PAD, injection line clamp (2) (TD-15BPM 807 to 814)
14	345 365 R1	CLAMP, injection line (TD-15BPM 807 to 814)
	181 315	1/4NF x 1" hex-hd cap SCREW (3)
15	345 364 R1	CLAMP, injection line (TD-15BPM 807 to 814)
	181 315	1/4NF x 1" hex-hd cap SCREW (3)
16	345 366 R1	PAD, injection line clamp (2) (TD-15BPM 807 to 814)
17	19 899 R1	NUT, 5/8NF lock
18	341 508 R1	WASHER
19	124 546	KEY, 5/32 x 5/8" Woodruff

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FUEL SYSTEM

(DT-361)

MEMORANDA

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED (For Units Equipped With Roosa-Master Fuel Injection Pump) (TD-15BPM 501 to 814)		
20	341 525 R1	GEAR, injection pump drive (58 T)
21	328 842 R1	GASKET, injection pump mounting plate
22	328 841 R1 324 235 R1 103 026 179 850 186 310 103 321	PLATE, injection pump mounting BOLT (2) 3/8NF NUT (2) 3/8 x 2-3/4" hex-hd cap SCREW 3/8NF x 3-1/2" hex-hd cap SCREW (2) 3/8" lock WASHER (3)
23	444 068	ELBOW, 1/4" NPT (*) (2)
24	343 748 R91	HOSE w/FITTINGS, auxiliary filter to final filter (HOSE, 3/8" ID x 10-1/2" long including FITTINGS) (*)
25	9 402 838	ELBOW, 1/4NPT x 37° flare (2)
26	343 749 R91	HOSE w/FITTINGS, final filter to injection pump (HOSE, 3/8" ID x 23" long including FITTINGS) (*)
27	278 831 R21 181 315 103 339 19 387 R1	CLAMP, w/three PIN, 19 387 R1, injection line (TD-15BPM 807 to 814) 1/4NF x 1" hex-hd cap SCREW (3) 9/32 x 5/8 x 16 ga WASHER (3) PIN, 7/16 x 3/4" slotted spring (3)
28	278 833 R2	PAD, injection line clamp (2) (TD-15BPM 807 to 814)
29	278 832 R1	CLAMP, injection line (TD-15BPM 807 to 814)
30	278 834 R1 181 315 179 798	CLAMP, injection line (2) (TD-15BPM 501 to 807) 1/4NF x 1" hex-hd cap SCREW (2) 1/4 x 1-1/8" hex-hd cap SCREW (2)
31	278 836 R1	PAD, injection line clamp (4) (TD-15BPM 501 to 807)
32	278 835 R1	CLAMP, injection line (2) (TD-15BPM 501 to 807)
33	337 360 R91	PUMP ASSY, fuel injection (DCGFC-627-9AJ) (2400 RPM) (with speed ADVANCE) (See NOTE)
34	179 839 103 321 103 341	DRIVE, injection pump (for components see list of parts under details of "Injection Pump Drive") 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 13/32 x 13/16" x 16 ga WASHER (3)
35	341 115 R1 179 840 103 321	BRACKET, filter mounting (*) 3/8 x 1-1/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5)
36	341 116 R1 103 025 103 320 362 120 R1	CLIP, hose (*) 5/16NF NUT 5/16" lock WASHER CLIP, generator cable harness

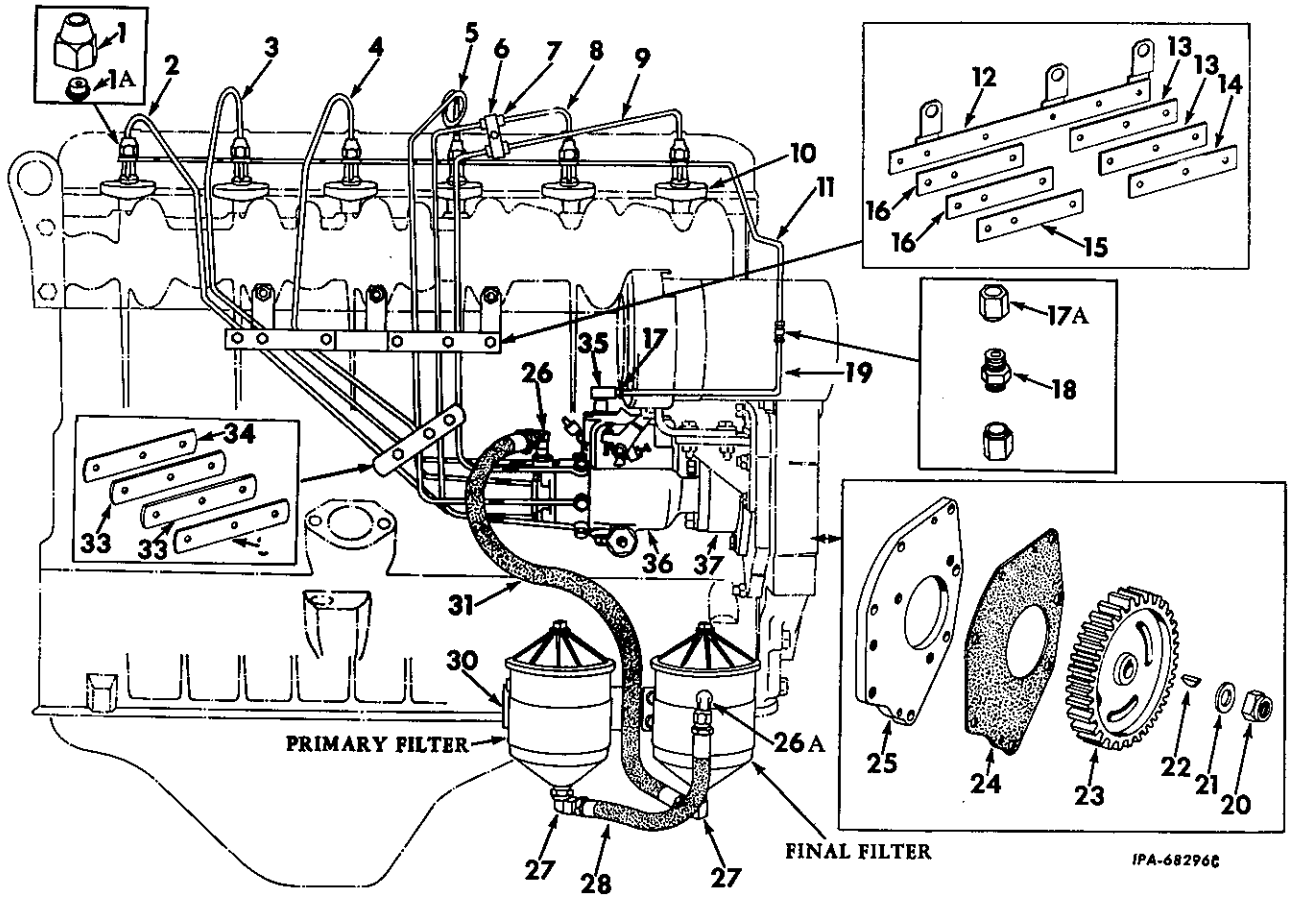
NOTE: Refer to Roosa-Master Fuel Injection Pump Parts Catalog PU-70A when ordering detail parts for complete pump.

(*) - Not Part of Increased Capacity Fuel Filter Attachment.

FUEL SYSTEM

(DT-361)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS
 (For Units Equipped With Roosa-Master Fuel Injection Pump)
 (TD-15BPM 815 to 2614, TD-15BGM 1759 to 2614 and TD-15BGAM
 1759 to 2614)



IPA-68296C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	250 617 R1	NUT, injection tube (6)
1A	250 610 R2	SLEEVE, injection tube (6)
2	341 485 R11	PIPE, injection No. 6
3	341 484 R11	PIPE, injection No. 5
4	341 483 R11	PIPE, injection No. 4
5	341 482 R11	PIPE, injection No. 3
6	341 658 R1 103 024 181 316 103 319	CLIP, injection line 1/4NF NUT 1/4NF x 1-1/8" hex-hd cap SCREW 1/4" lock WASHER
7	341 660 R1	SLEEVE, injection pump line (2)
8	341 481 R11	PIPE, injection No. 2
9	341 480 R11	PIPE, injection No. 1
10	179 844 103 341	HOLDER ASSEMBLY, nozzle (for components see list of parts under details of "Nozzle Holder") (6) 3/8 x 1-5/8" hex-hd cap SCREW (12) 13/32 x 13/16" x 16 ga WASHER (12)

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FUEL SYSTEM

(DT-361)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED
 (For Units Equipped With Roosa-Master Fuel Injection Pump)
 (TD-15BPM 815 to 2614, TD-15BGM 1759 to 2614 and TD-15BGAM
 1759 to 2614)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	345 420 R91	MANIFOLD, fuel leakoff (order the following parts - TD-15BPM 815 to 847 1 BRACKET 349 100 R1 1 MANIFOLD 349 098 R91 1 NUT 262 038 R1 1 SCREW, 1/4 x 1" rd-hd-sltd mach 1 TUBE 349 102 R1)
11	349 098 R91	MANIFOLD, fuel leakoff TD-15BPM 848 to 2614 TD-15BGM 1759 to 2614 TD-15BGAM 1759 to 2614
	336 980 R1	SLEEVE, thread (6)
	915 500 R1	SLEEVE, rubber (6)
12	345 361 R91	CLAMP, injection line
13	345 367 R2	PAD, injection line clamp (2)
14	345 365 R21	CLAMP w/three PIN 19 387 R1 injection line
	181 315	1/4NF x 1" hex-hd cap SCREW (3)

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FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED (For Units Equipped With Roosa-Master Fuel Injection Pump) (TD-15BPM 815 to 2614, TD-15BGM 1759 to 2614 and TD-15BGAM 1759 to 2614)		
15	345 364 R21	CLAMP w/three PIN 19 387 R1 injection line
	181 315	1/4NF x 1" hex-hd cap SCREW (3)
16	345 366 R2	PAD, injection line clamp (2)
17	19 984 R1	NUT, 1/4" tube
	29 901 D	BODY, connector
17A	19 984 R1	NUT, leakoff manifold tube coupling (2)
18	89 863 H	UNION, leakoff manifold tube
19	345 424 R1	TUBE, leakoff manifold return (to pump) TD-15BPM 815 to 847
19	349 102 R1	TUBE, leakoff manifold return (to pump) TD-15BPM 848 to 2614 TD-15BGM 1759 to 2614 TD-15BGAM 1759 to 2614
20	19 899 R1	NUT, 5/8NF lock
21	341 508 R1	WASHER
22	124 546	KEY, 5/32 x 5/8" Woodruff
23	341 525 R1	GEAR, injection pump drive (58 T)
24	328 842 R1	GASKET, injection pump mounting plate
25	328 841 R1	PLATE, injection pump mounting
	324 235 R1	BOLT (2)
	103 026	3/8NF NUT (2)
	179 850	3/8 x 2-3/4" hex-hd cap SCREW
	186 310	3/8NF x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
26	9 402 838	ELBOW, 1/4NPT x 37" flare
26A	9 402 838	ELBOW, 1/4NPT x 37" flare (*) TD-15BPM 815 to 1581
26A	333 934 R1	ELBOW, 3/8NPT x 37" flare (*) TD-15BPM 1582 to 2614 TD-15BGM 1759 to 2614 TD-15BGAM 1759 to 2614
27	444 068	ELBOW, 1/4NPT (*) (2) TD-15BPM 815 to 1581
27	179 547	ELBOW, 3/8NPT (*) (2) TD-15BPM 1582 to 2614 (2) TD-15BGM 1759 to 2614 (2) TD-15BGAM 1759 to 2614
28	343 748 R91	HOSE w/FITTINGS, auxiliary filter to final filter (HOSE, 3/8" ID x 10-1/2" long including FITTINGS) (*)
30	341 115 R1	BRACKET, filter mounting (*)
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (5)
	103 321	3/8" lock WASHER (5)
31	343 749 R91	HOSE w/FITTINGS, final filter to injection pump (HOSE, 3/8" ID x 23" long including FITTINGS) (*)
32	278 831 R1	CLAMP, injection line (2)
	181 315	1/4NF x 1" hex-hd cap SCREW (3)
33	278 833 R1	PAD, injection line clamp (4)
34	278 832 R1	CLAMP, injection line (2)
35	603 676 C1	TEE, leakoff return tube (at pump)
36	337 360 R91	PUMP ASSY, fuel injection (DGCFC-627-9AJ) (2400 RPM) (with speed ADVANCE) (See NOTE)
37		DRIVE, injection pump (for components see list of parts under details of "Injection Pump Drive")
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	103 341	13/32 x 13/16" x 16 ga WASHER (3)
	345 421 R1	BRACKET, leakoff manifold TD-15BPM 815 to 847

FUEL SYSTEM

(DT-361)

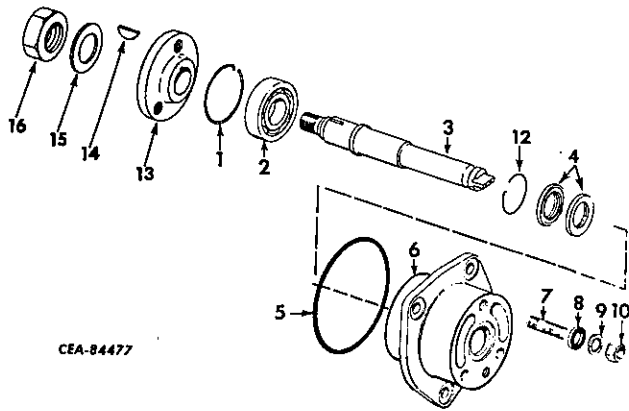
REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED (For Units Equipped With Roosa-Master Fuel Injection Pump) (TD-15BPM 815 to 2614, TD-15BGM 1759 to 2614 and TD-15BGAM 1759 to 2614)		
349	100 R1	BRACKET, leakoff manifold TD-15BPM 848 to 2614 TD-15BGM 1759 to 2614 TD-15BGAM 1759 to 2614
262	038 R1	NUT, speed
113	959	1/4 x 1" rd-hd sltd mach SCREW
362	120 R1	CLIP, generator cable harness
19	837 R1	PIN, 1/4 x 1-1/2" injection line clamp roll (6)
345	425 R1	CLIP, leakoff union
29	901 D	CONNECTOR, tube
NOTE: Refer to Roosa-Master Fuel Injection Pump Parts Catalog PU-70A when ordering detail parts for complete pump. (*) - Not Part of Increased Capacity Fuel Filter Attachment.		
INJECTION PUMP DRIVE (Roosa Master) (Hartford Machine Screw Co.) (TD-15BPM 501 to 2614, TD-15BGM 1759 to 2614 and TD-15BGAM 1759 to 2614)		
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	348 876 R1	RING, bearing retainer
2	ST-287	BEARING, drive shaft
3	346 875 R91	SHAFT w/"O" RING, 368 030 R1 drive
4	313 288 R1	SEAL, drive shaft (2)
5	346 895 R1	SEAL, mounting adapter
6	619 762 C1	ADAPTER, mounting (together with three 3/8 x 1-1/4" hex-hd cap SCREWS, will work for ADAPTER, 606 833 C1)
7	324 688 R1	STUD, mounting (3)
8	469 668 R1	WASHER, stud (3)
9	103 321	WASHER, stud (3/8" internal tooth lock)(3)
10	102 635	NUT, 3/8" mounting stud (3)
11	368 030 R1	"O" RING, drive shaft

FUEL SYSTEM

(DT-361)

INJECTION PUMP DRIVE

(Roosa-Master) (Hartford Machine Screw Co.)
 (Part of Engine Field Conversion PACKAGE, 609 435 C91)
 TD-15BPM 2615 to 5468
 TD-BGM 2615 to 5482
 TD-15BGAM 2615 to 5482
 TD-15BPSM 2615 to 5482



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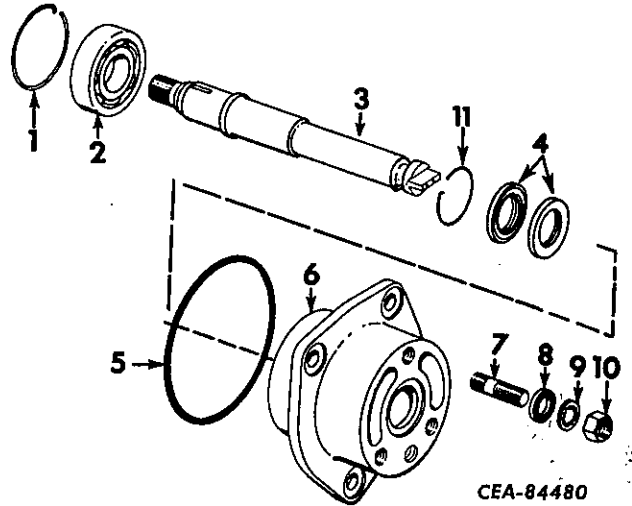
REF. NO.	I.H. PART NUMBER	DESCRIPTION
	613 519 C91	DRIVE ASSY, injection pump (Consists of the following parts - 3/8 x 1-1/8" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 13/32 x 13/16" x 16 ga WASHER (3)
1	346 876 R1	RING, bearing retainer
2	ST 287	BEARING, drive shaft
3	615 154 C1	SHAFT, drive
4	372 762 R91	SEAL, drive shaft (2)
5	346 895 R1	SEAL, mounting adapter
6	615 152 C1	ADAPTER, mounting
7	324 688 R1	STUD, mounting (2)
8	142 619 H	WASHER, stud (2)
9	103 321	WASHER, stud (3/8" internal tooth lock) (2)
10	102 635	NUT, 3/8" mounting stud (2)
12	273 026 R1	RING, seal retainer snap
13	615 153 C1	HUB, drive
14	106 750	KEY, drive hub
15	615 143 C1	WASHER, drive hub
16	19 899 R1	NUT, drive hub

FUEL SYSTEM

(DT-361)

INJECTION PUMP DRIVE

(Roosa-Master) (Hartford Machine Screw Co.)
 (TD-15BPM 5469 up, TD-15BGM 5483 up, TD-15BGAM 5483 up, TD-15BPSM 5483 up, TD-15BGM 5483 up and TD-15BGSM 5483 up)



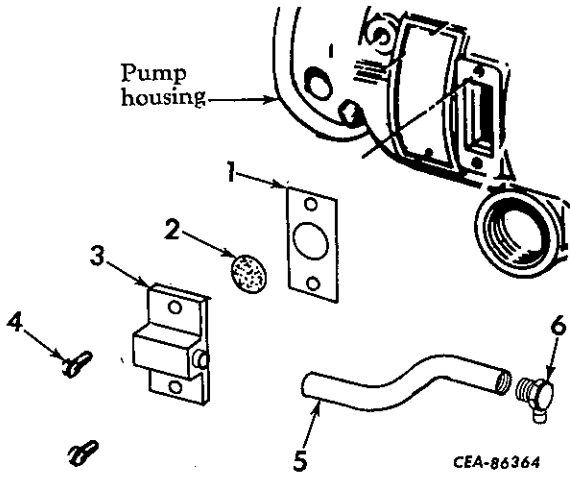
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REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	346 876 R1	RING, bearing retainer
2	ST 287	BEARING, drive shaft
3	613 612 C1	SHAFT, drive
4	372 762 R91	SEAL, drive shaft (2)
5	346 895 R1	SEAL, mounting adapter
6	619 762 C1 179 841	ADAPTER, mounting (together with three 3/8 x 1-1/4" hex-hd cap SCREWS, will work for ADAPTER, 606 833 C1)
7	324 688 R1	STUD, mounting (2)
8	142 619 H	WASHER, stud (2)
9	103 321	WASHER, stud (3/8" internal tooth lock) (2)
10	102 635	NUT, 3/8" mounting stud (2)
11	273 026 R1	RING, seal retaining snap

FUEL SYSTEM

(DT-361)

RETURN FUEL BY-PASS
(Roosa-Master) (Hartford Machine Screw Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	606 847 C91	KIT, return fuel by-pass system (See NOTE) (Consists of the following parts -
1	610 953 C1	GASKET, timing and return oil fitting
2	610 955 C1	SCREEN, return oil
3	610 951 C91	FITTING, timing and return oil
4		SCREW, No. 8 x 5/16" slt-ov-hd (timing line cover) (2)
5	610 952 C1	HOSE, return oil
6	610 954 C91	FITTING, inlet
	610 950 C91	CONNECTOR, return line (top of governor control cover)

NOTE: Parts for reference numbers 1 to 6 are also listed and illustrated in Roosa-Master Fuel Injection Pump Parts Catalog PU-70A.

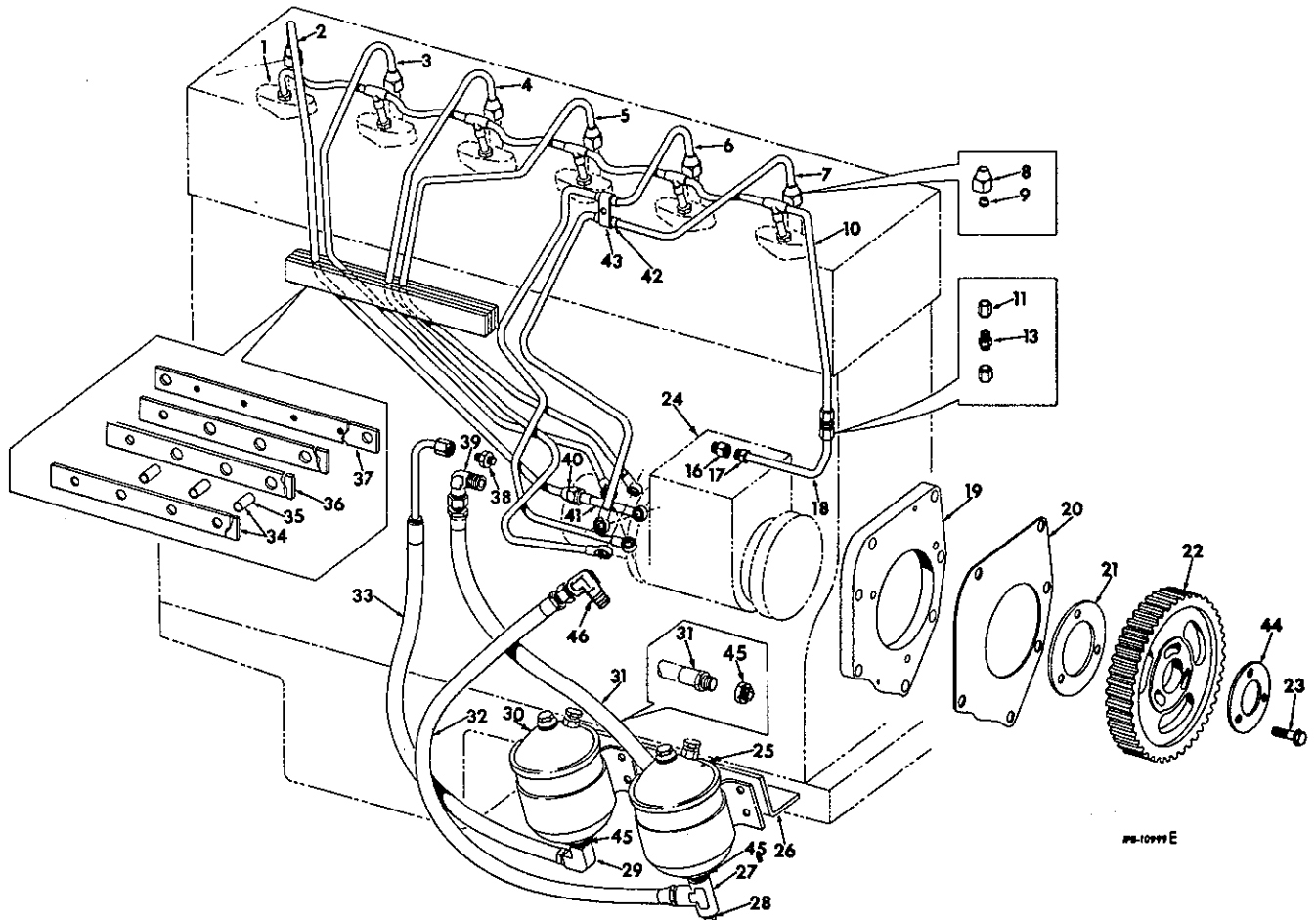
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FUEL SYSTEM (DT-361)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS
(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

FUEL SYSTEM (DT-361)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED
(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1		HOLDER ASSY, nozzle (for components see list of parts under details of "Nozzle Holder") (6)
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (12)
2	349 021 R1	PIPE, injection No. 6
3	601 237 C11	PIPE, injection No. 5
4	601 236 C11	PIPE, injection No. 4
5	601 235 C11	PIPE, injection No. 3
6	601 234 C21	PIPE, injection No. 2
7	601 233 C21	PIPE, injection No. 1
8	250 617 R1	NUT, injection pipe (6)
9	250 610 R2	SLEEVE, injection pipe (6)
10	349 098 R91	MANIFOLD, leakoff
	336 980 R1	SLEEVE, hex-hd (6)
	915 500 R1	SLEEVE (6)
11	19 984 R1	NUT, leakoff manifold tube coupling (2)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	89 863 H	UNION, leakoff manifold tube
16	59 730 H	CONNECTOR, leakoff return lower tube
17	19 984 R1	NUT, leakoff return lower tube connector
18	349 101 R1	TUBE, leakoff return lower
19	328 841 R1	PLATE, injection pump mounting
	103 026	3/8NF NUT (2)
	179 850	3/8 x 2-3/4" hex-hd cap SCREW
	186 310	3/8NF x 3-1/2" hex-hd cap SCREW (2)
	324 235 R1	BOLT (2)
	103 321	3/8" lock WASHER (3)
20	328 842 R1	GASKET, injection pump mounting plate
21	278 347 R1	GASKET, injection pump drive gear
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
22	328 840 R1	GEAR, injection pump drive
23	181 365	SCREW w/external tooth lock WASHER, 3/8NF x 1-1/8" hex-hd mach (3)

FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED
(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

24	339 178 R91	PUMP ASSY, International RD fuel injection (115 HP) (See NOTE A) (ordering procedure is the same as shown below for PUMP, 339 187 R91 TD-15BPM 2615 to 4400 TD-15BGM 2615 to 4400 TD-15BGAM 2615 to 4400 TD-15BPSM 2615 to 4400
24	339 187 R91	PUMP ASSY, International RD fuel injection (120 HP) (See NOTE A) TD-15BPM 4401 to 5468 TD-15BGM 4401 to 5482 TD-15BGAM 4401 to 5482 TD-15BPSM 4401 to 5482
	113 934 H	WASHER (3) For Power Shift and Sideboom Crawler Tractors, TD-15BPM 2615 to 5468, TD-15BPSM 2615 to 5482, order the following parts - 1 PACKAGE 609 435 C91 1 PACKAGE 609 438 C91 1 PUMP (See NOTE B) (†) 610 620 C91 For Manual Shift (less decelerator pedal) and Agr. (less decelerator pedal) Crawler Tractors, TD-15BPM 2615 to 5482, TD-15BGAM 2615 to 5482, order the following parts - 1 PACKAGE 609 435 C91 1 PACKAGE 609 439 C91 1 PUMP (See NOTE B) (†) 610 620 C91 For Manual Shift (with decelerator pedal) and Agr. (with decelerator pedal) Crawler Tractors, TD-15BGM 2615 to 5482, TD-15BGAM 2615 to 5482, order the following parts - 1 PACKAGE 609 435 C91 1 PACKAGE 609 440 C91 1 PUMP (See NOTE B) (†) 610 620 C91
25	181 335 103 320 103 340	FILTER ASSY, final fuel (for components see list of parts under details of "Primary and Final Fuel Filters") 5/16NF x 11/16" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16" x 16 ga WASHER (4)
26	601 231 C1	BRACKET, fuel filter mounting TD-15BPM 2615 to 4622 TD-15BGM 2615 to 4622 TD-15BGAM 2615 to 4622 TD-15BPSM 2615 to 4622
26	607 399 C1	BRACKET, fuel filter mounting TD-15BPM 4623 to 5468 TD-15BGM 4623 to 5482 TD-15BGAM 4623 to 5482 TD-15BPSM 4623 to 5482
	179 840 103 321	3/8 x 1-1/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5)
27	444 148 303 545 R1	TEE, 3/4" (final filter) RING, seal (2)
28	112 578	PLUG, 1/4" sq-hd pipe
29	444 042	ELBOW, 3/8" NPT (primary filter)
30	181 335 103 320 103 340	FILTER ASSY, primary fuel (for components see list of parts under details of "Primary and Final Fuel Filters") 5/16NF x 11/16" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16" x 16 ga WASHER (4)

FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED
(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

31	606 031 C91	HOSE, fuel supply pump to final fuel filter
32	606 030 C91	HOSE, final fuel filter to fuel injection pump
33	606 032 C91	HOSE, primary fuel filter to supply pump
34	601 245 C11	CLAMP w/three PIN, 19 387 R1, injection pipe 181 317 1/4NF x 1-1/4" hex-hd cap SCREW (6) 103 339 9/32 x 5/8" x 16 ga WASHER (6)
35	19 387 R1	PIN, 7/16 x 3/4" roll (3)
36	601 249 C1	PAD, injection pipe clamp (2)
37	601 811 C1	CLAMP, injection pipe
38	9 410 202	CONNECTOR, short 37"
39	9 410 976	ELBOW, 3/8" x 90° (flared tube)
40	250 617 R1 250 610 R2	NUT, injection pipe SLEEVE, injection pipe
41	318 374 R1	FITTING, extended banjo
42	341 660 R1	SLEEVE, injection pipe (2) TD-15BPM 2615 to 3350 (2) TD-15BGAM 2615 to 3350 (2) TD-15BGM 2615 to 3350 (2) TD-15BPSM 2615 to 3350
43	341 658 R1	CLIP, injection pipe TD-15BPM 2615 to 3350 TD-15BGM 2615 to 3350 TD-15BGAM 2615 to 3350 TD-15BPSM 2615 to 3350
	354 260 R1 103 024 181 316 103 319	SPACER 1/4NF NUT 1/4NF x 1-1/8" hex-hd cap SCREW 1/4" lock WASHER
44	337 178 R1	WASHER, injection pump drive gear
45	444 028	BUSHING, filter reducing (3) TD-15BPM 4623 to 5468 (3) TD-15BGM 4623 to 5482 (3) TD-15BGAM 4623 to 5482 (3) TD-15BPSM 4623 to 5482
46	9 402 838	ELBOW, 1/4" NPT, 37° Flare
	601 556 C1	CLAMP, elongated fuel hose
	362 120 R1	CLIP, generator cable harness
		NOTE A: Refer to International Model RD Fuel Injection Pump Parts Catalog PU-67 When Ordering Detail Parts For Complete Pumps.
		NOTE B: Pumps Listed With Symbol (†) are Not Available Under Part Numbers Shown. Order Basic Pump and Necessary Parts As Shown in The Parts Catalog PU-70. Also Refer to The PU-70A Catalog For Detail Parts On All Roosa-Master Pumps.

FUEL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP FIELD CONVERSION PACKAGE
(ENGINE PARTS)

(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

609 435 C91	PACKAGE, engine field conversion (less fuel injection pump) (For converting engines equipped with International Model "R. D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps) (Chassis conversion PACKAGES, 609 438 C91, 609 439 C91 or 609 440 C91, must be used in conjunction with this package) (see NOTE) TD-15BPM 2615 to 5468 TD-15BGM 2615 to 5482 TD-15BGAM 2615 to 5482 TD-15BPSM 2615 to 5482
	(Consists of -
1	ADAPTER, 3/8 to 1/4NPT reducer (for small filters with 1/4NPT openings) 444 014
1	BUTTON, thrust 606 792 C91
1	CLIP, hose 609 223 C1
1	COVER, injection pump gear 341 523 R11
4	BOLT, injection pump gear cover 311 979 R1
2	COUPLINGS, 3/8 to 1/4NPT reducer (for small filters with 1/4NPT openings) 444 108
1	DRIVE, Roosa-Master injection pump 613 519 C91
3	3/8 x 1-1/8" hex-hd cap
3	SCREW 3/8" lock
3	WASHER 13/32 x 13/16" x 16 ga
2	ELBOW, fuel filter outlet 444 042
1	ELBOW, leakoff tube 255 828 R1
1	ELBOW, final Filter 333 934 R1
1	ELBOW (in pump) 9 402 838
1	GASKET, injection pump gear cover 326 582 R1
1	HOSE, primary to final filter 610 609 C91
1	HOSE, final filter to injection pump 610 443 C91
2	NUT, tube 19 984 R1
6	NUT, injection pipe 250 617 R1
2	PAD, injection pipe 601 249 C1
1	PIPE, injection (cylinder No. 1) 609 052 C11
1	PIPE, injection (cylinder No. 2) 609 053 C21
1	PIPE, injection (cylinder No. 3) 609 054 C11
1	PIPE, injection (cylinder No. 4) 609 055 C21

FUEL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP FIELD CONVERSION PACKAGE
(ENGINE PARTS) - CONTINUED

(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

609 435 C91	PACKAGE, engine field conversion (less fuel injection pump) (For converting engines equipped with International Model "R. D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps) (Chassis conversion PACKAGES, 609 438 C91, 609 439 C91 or 609 440 C91, must be used in conjunction with this package) (See Note) - Continued TD-15BPM 2615 to 5468 TD-15BGM 2615 to 5482 TD-15BGAM 2615 to 5482 TD-15BPSM 2615 to 5482
	(Consists of - Continued
1	PIPE, injection (cylinder No. 5) 609 056 C11
1	PIPE, injection (cylinder No. 6) 609 057 C11
3	SCREW w/Lock WASHER, 3/8NF x 1-1/8" hex-hd mach. (injection pump gear)
6	SLEEVE, injection pipe 250 610 R2
1	TEE, leakoff return tube (at pump) 613 611 C1
1	TUBE, leakoff return to injection pump (lower) 609 446 C1)

NOTE: All parts listed in this conversion package are listed and illustrated throughout this catalog.

FUEL SYSTEM

(DT-381)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP FIELD CONVERSION PACKAGES
(CHASSIS PARTS)

(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

609 438 C91 PACKAGE, chassis field conversion (used when converting power shift engines equipped with International Model "R.D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps) (For use in conjunction with Engine Conversion PACKAGE, 609 435 C91) (See NOTE)

TD-15BPM 2615 to 5468
TD-15BPSM 2615 to 5482

(Consists of

1	ADJUSTER, hydraulic decelerator	611 234 C11
1	BRACKET, LH governor control cross shaft	341 736 R93
1	BRACKET, RH governor control cross shaft	611 265 C91
1	CHANNEL, platform support	607 821 C12
1	CLIP, fuel return tube front (mounted on front bolt on oil filler neck flange)	103 213 H
1	CLIP, decelerator pedal return spring	607 813 C1
1	CONNECTOR, male	606 929 C1
1	EXTENSION, governor control rod	611 228 C1
1	11/32 x 11/16" x16 ga WASHER	
1	GUIDE, decelerator	611 231 C91
1	PAMPHLET	1 085 202 R1
1	PLUG, button (on instrument panel)	432 577
1	ROD, decelerator pick-up lever	611 139 C1
1	ROD, governor control	611 226 C11
1	SPRING, decelerator pedal return	345 599 R1
1	TUBE, fuel return (front)	611 236 C11)

FUEL SYSTEM

(DT-381)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP FIELD CONVERSION PACKAGES
(CHASSIS PARTS) - CONTINUED

(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482,
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

609 439 C91 PACKAGE, chassis field conversion (used when converting manual shift (less decelerator pedal) engines equipped with International Model "R.D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps) (For use in conjunction with Engine Conversion PACKAGE, 609 435 C91) (See NOTE)

TD-15BGM 2615 to 5482
TD-15BGAM 2615 to 5482

(Consists of -

1	BRACKET, governor control cross shaft	341 736 R93
1	CHANNEL, platform support	607 821 C12
1	CLIP, fuel return tube front (mounted on front bolt on oil filler neck flange)	103 213 H
1	CONNECTOR, male	606 929 C1
1	EXTENSION, governor control rod	611 228 C1
1	11/32 x 11/16" x16 ga WASHER	
1	PAMPHLET	1 085 203 R1
1	PLUG, button (on instrument panel)	432 577
1	ROD, governor control	611 226 C11
1	SHAFT, governor control cross	611 233 C91
1	TUBE, fuel return (front)	611 236 C11)

NOTE: All parts listed in the conversion packages are listed and illustrated throughout this catalog.

FUEL SYSTEM

(DT-361)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP FIELD CONVERSION PACKAGES
(CHASSIS PARTS) - CONTINUED
(For Units Equipped With International RD Fuel Injection Pump)
(TD-15BPM 2615 to 5468, TD-15BGM 2615 to 5482
TD-15BGAM 2615 to 5482, TD-15BPSM 2615 to 5482)

609 440 C91 PACKAGE, chassis field conversion (used when converting manual shift (with decelerator pedal) engines equipped with International Model "R.D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps) (For use in conjunction with Engine Conversion PACKAGE, 609 435 C91) (see NOTE)

TD-15BGM 2615 to 5482

TD-15BGAM 2615 to 5482

(Consists of -

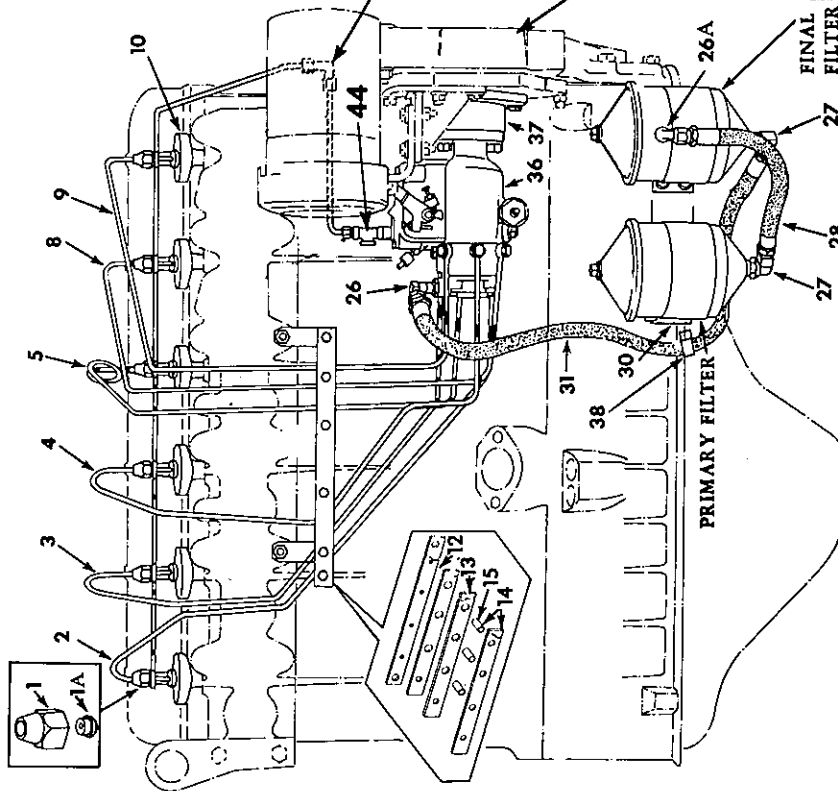
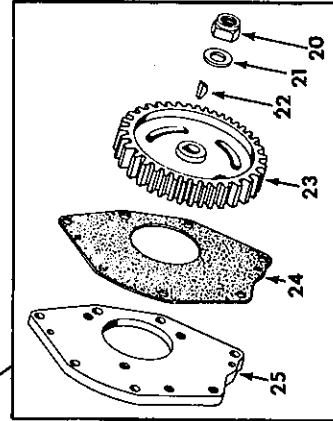
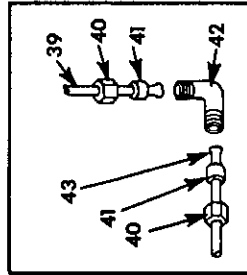
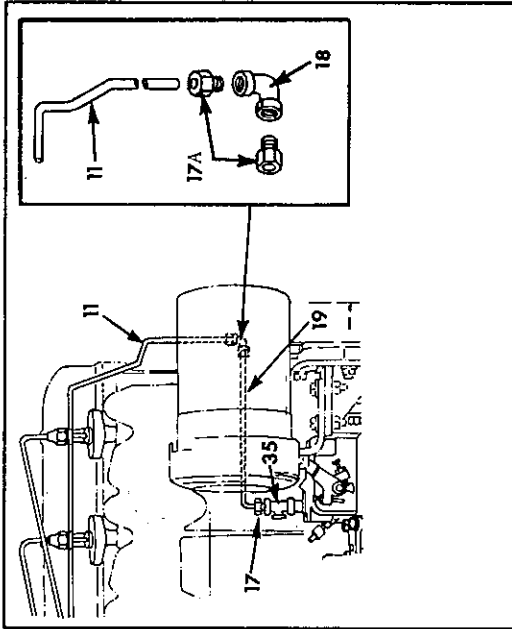
1	BRACKET, governor control cross shaft	341 736 R93
1	CHANNEL, platform support	607 821 C12
1	CLIP, fuel return tube front (mounted on front bolt on oil filler neck flange)	103 213 H
1	CLIP, decelerator pedal return spring	607 813 C1
1	CONNECTOR, male	606 929 C1
1	EXTENSION, governor control rod	611 228 C1
1	11/32 x 11/16" x 16 ga WASHER	
1	PAMPHLET	1 085 204 R1
1	PLUG, button (on instrument panel)	432 577
1	ROD, decelerator pick-up lever	611 139 C1
1	ROD, governor control	611 226 C11
1	SHAFT, governor control cross	611 229 C91
1	SPRING, decelerator pedal return	345 599 R1
1	TUBE, fuel return (front)	611 236 C11)

NOTE: All parts listed in the conversion packages are listed and illustrated throughout this catalog.

FUEL SYSTEM

(DT-361)

FUEL INJECTION PUMP PIPES AND CONNECTIONS
 (For Units Equipped with Roosa-Master Fuel Injection Pump)
 (TD-15BPM 5469 up, TD-15BGM 5483 up, TD-15BGAM 5483 up,
 TD-15BPSM 5483 up, TD-15BGFM 5483 up and
 TD-15BGSM 5483 up)



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FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP PIPES AND CONNECTIONS - CONTINUED (For Units Equipped with Roosa-Master Fuel Injection Pump) (TD-15BPM 5469 up, TD-15BGM 5483 up, TD-15BGAM 5483 up, TD-15BPSM 5483 up, TD-15BGF 5483 and TD-15BGSM 5483 up)		
1	250 617 R1	NUT, injection tube (6)
1A	250 610 R2	SLEEVE, injection tube (6)
2	609 057 C11	PIPE, injection No. 6
3	609 056 C11	PIPE, injection No. 5
4	609 055 C21	PIPE, injection No. 4
5	609 054 C11	PIPE, injection No. 3
8	609 053 C21	PIPE, injection No. 2
9	609 052 C11	PIPE, injection No. 1
10		HOLDER ASSY, nozzle (for components see list of parts under details of "Nozzle Holder") (6)
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (12)
11	349 098 R91	MANIFOLD, fuel leakoff (upper) TD-15BPM 5469 to 7656 TD-15BGM 5483 to 7656 TD-15BGAM 5483 to 7656 TD-15BPSM 5483 to 7656 TD-15 BGF 5483 to 7656 TD-15BGSM 5483 to 7656
	364 879 R1	SEAL, "O" ring dust (6)
	336 980 R1	SLEEVE, thread (6)
	915 500 R1	SLEEVE, rubber (6)
12	601 811 C1	CLAMP, injection line
13	601 249 C1	PAD, injection line clamp (2)
14	601 245 C11	CLAMP w/three PIN, 19 387 R1, injection line
	181 317	1/4NF x 1-1/4" hex-hd cap SCREW (6)
	103 339	9/32 x 5/8 x 16 ga WASHER (6)
15	19 387 R1	PIN, 7/16 x 3/4" roll (3)
17	19 984 R1	NUT, 1/4" tube TD-15BPM 5469 to 7656 TD-15BGM 5483 to 7656 TD-15BGAM 5483 to 7656 TD-15BPSM 5483 to 7656 TD-15BGF 5483 to 7656 TD-15BGSM 5483 to 7656
17A	19 984 R1	NUT, leakoff manifold tube coupling (2) TD-15BPM 5469 to 7656 (2) TD-15BGM 5483 to 7656 (2) TD-15BGAM 5483 to 7656 (2) TD-15BPSM 5469 to 7656 (2) TD-15BGF 5483 to 7656 (2) TD-15BGSM 5483 to 7656
18	255 828 R1	UNION, leakoff manifold tube (2) TD-15BPM 5469 to 7656 (2) TD-15BGM 5483 to 7656 (2) TD-15BGAM 5483 to 7656 (2) TD-15BPSM 5469 to 7656 (2) TD-15BGF 5483 to 7656 (2) TD-15BGSM 5483 to 7656
19	609 446 C1	TUBE, leakoff manifold return (to pump) (2) TD-15BPM 5469 to 7656 (2) TD-15BGM 5483 to 7656 (2) TD-15BGAM 5483 to 7656 (2) TD-15BPSM 5469 to 7656 (2) TD-15BGF 5483 to 7656 (2) TD-15BGSM 5483 to 7656
20	19 899 R1	NUT, 5/8NF lock
21	341 508 R1	WASHER
22	124 546	KEY, 5/32 x 5/8" Woodruff

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FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP PIPES AND CONNECTIONS - CONTINUED (For Units Equipped with Roosa-Master Fuel Injection Pump) (TD-15BPM 5469 up, TD-15BGM 5483 up, TD-15BGAM 5483 up, TD-15BPSM 5483 up, TD-15BGF 5483 and TD-15BGSM 5483 up)		
23	341 525 R1	GEAR, injection pump drive (58T)
24	328 842 R1	GASKET, injection pump mounting plate
25	328 841 R1	PLATE, injection pump mounting
	324 235 R1	BOLT (2)
	103 026	3/8NF NUT (2)
	179 850	3/8 x 2-3/4" hex-hd cap SCREW
	186 310	3/8NF x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
26	9 402 838	ELBOW, 1/4NPT x 37° flare (*)
26A	333 934 R1	ELBOW, 3/8NPT x 37° flare (*)
	444 014	ADAPTER, 3/8 to 1/4 NPT reducer (for filters with 1/4NPT openings)
27	444 042	ELBOW, 3/8NPT auto x 90° flare street (*) (2)
	444 108	COUPLINGS, 3/8 to 1/4NPT reducer (for filters with 1/4NPT openings)
28	610 609 C91	HOSE w/FITTINGS, primary filter to final filter (HOSE, 5/8" ID x 13" long including FITTINGS) (*)
30	607 399 C1	BRACKET, filter mounting (*)
	179 840	3/8 x 1-1/8" hex hd cap SCREW (5)
	103 321	3/8" lock WASHER (5)
31	610 443 C91	HOSE w/FITTINGS, final filter to injection pump (HOSE, 5/8" ID x 27" long including FITTINGS) (*)
35	613 611 C1	TEE, leakoff return tube (at pump) (2) TD-15BPM 5469 to 7656 (2) TD-15BGM 5483 to 7656 (2) TD-15BGAM 5483 to 7656 (2) TD-15BPSM 5469 to 7656 (2) TD-15BGF 5483 to 7656 (2) TD-15BGSM 5483 to 7656
36	610 620 C91(†)	PUMP ASSY, fuel injection (DBGFC-637-54AJ) (2400 RPM) (with speed ADVANCE) (See NOTE)
37		DRIVE ASSY, injection pump (for components see list of parts under details of "Injection Pump Drive") 179 840 3/8 x 1-1/8" hex-hd cap SCREW (3) 103 321 3/8" lock WASHER (3) 103 341 13/32 x 13/16 ga WASHER (3)
38	609 223 C1	CLIP, hose
39	612 222 C11	MANIFOLD w/NUT, 915 499 R1 and SLEEVE, 915 500 R1, fuel leakoff upper TD-15BPM 7657 up TD-15BGM 7657 up TD-15BGAM 7657 up TD-15BPSM 7657 up TD-15BGF 7657 up TD-15BGSM 7657 up
	364 879 R1	SEAL, "O" ring dust (6)
	336 980 R1	SLEEVE, thread (6)
	915 500 R1	SLEEVE, rubber (6)
NOTE: Pumps Listed With Symbol (†) Are Not Available Under Part Numbers Shown. Order Basic Pump and Necessary Parts As Shown In The Parts Catalog PU-70A. Also Refer To The PU-70A Catalog For Detail Parts On All Roosa-Master Pumps. (*) - Not Part of Increased Fuel Filter Attachment.		

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FUEL SYSTEM
(DT-361)

MEMORANDA

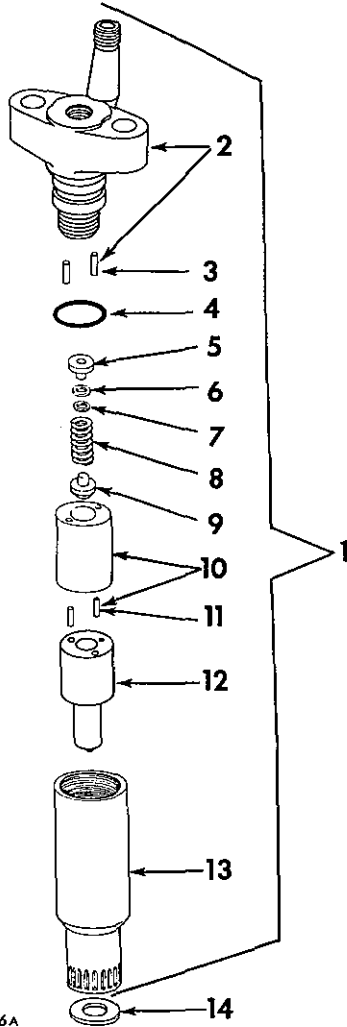
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP PIPES AND CONNECTIONS - CONTINUED
 (For Units Equipped with Roosa-Master Fuel Injection Pump)
 (TD-15BPM 5469 up, TD-15BGM 5483 up, TD-15BGAM 5483 up,
 TD-15BPSM 5483 up, TD-15BGFM 5483 and TD-15BGSM 5483 up)

40	915 499 R1	NUT, tube (3) TD-15BPM 7657 up (3) TD-15BGM 7657 up (3) TD-15BGAM 7657 up (3) TD-15BPSM 7657 up (3) TD-15BGFM 7657 up (3) TD-15BGSM 7657 up
41	915 500 R1	SLEEVE, tube (3) TD-15BPM 7657 up (3) TD-15BGM 7657 up (3) TD-15BGAM 7657 up (3) TD-15BPSM 7657 up (3) TD-15BGFM 7657 up (3) TD-15BGSM 7657 up
42	615 369 C1	ELBOW, tube union TD-15BPM 7657 up TD-15BGM 7657 up TD-15BGAM 7657 up TD-15BPSM 7657 up TD-15BGFM 7657 up TD-15BGSM 7657 up
43	612 223 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, fuel leakoff, lower TD-15BPM 7657 up TD-15BGM 7657 up TD-15BGAM 7657 up TD-15BPSM 7657 up TD-15BGFM 7657 up TD-15BGSM 7657 up
	362 120 R1	CLIP, generator cable harness
44	615 370 C1	TEE, leakoff return tube (at pump) TD-15BPM 7657 up TD-15BGM 7657 up TD-15BGAM 7657 up TD-15BPSM 7657 up TD-15BGFM 7657 up TD-15BGSM 7657 up

FUEL SYSTEM
(DT-36f)

NOZZLE AND NOZZLE HOLDER - (IH)



IPA-67446A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicates the part is used for all injection nozzle and holder assy listed below: Letters A and B are used to identify separate nozzle and holder assy.

A	Service parts for injection NOZZLE AND HOLDER ASSY (Used on units equipped with Roosa-Master Fuel Injection Pumps) TD-15BPM 501 to 2614 TD-15BGM 1759 to 2614 TD-15BGAM 1759 to 2614
B	Service parts for injection NOZZLE AND HOLDER ASSY (Used on units equipped with International RD Fuel Injection Pumps) TD-15BPM 2615 to 5468 TD-15BGM 2615 to 5482 TD-15BGAM 2615 to 5482 TD-15BPSM 2615 to 5482

FUEL SYSTEM
(DT-36f)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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NOZZLE AND NOZZLE HOLDER - (IH) - Continued

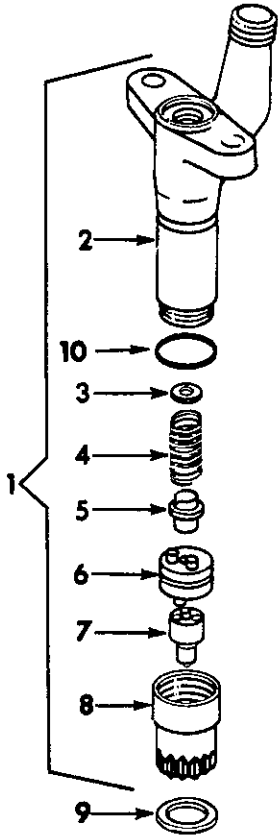
1	337 271 R91	NOZZLE AND HOLDER ASSY (6 for NOZZLE AND HOLDER A) (Order HOLDER ASSY, 610 715 C91)
1	344 039 R91	NOZZLE AND HOLDER ASSY (6 for NOZZLE AND HOLDER B) (Order HOLDER ASSY, 610 716 C91)
2	337 273 R11	BODY w/two PIN, 19 855 R1, nozzle holder (6)
3	19 855 R1	PIN, plain spiral (7/64 x 3/8") (12)
4	364 879 R1	"O" RING, dust seal (7/8 x 1-1/6 x 3/32") (not part of HOLDER ASSY, 337 271 R91 or 344 039 R91) (6)
5	326 694 R1	SEAT, nozzle spring upper (6)
6	326 689 R1	SHIM, nozzle adjusting (.002") (X)
6	326 690 R1	SHIM, nozzle adjusting (.003") (X)
6	326 691 R1	SHIM, nozzle adjusting (.005") (X)
6	326 692 R1	SHIM, nozzle adjusting (.010") (X)
7	326 688 R1	SHIM, nozzle spring wear (6)
8	326 687 R1	SPRING, nozzle (6)
9	326 686 R1	SEAT, nozzle spring lower (6)
10	337 274 R11	RETAINER w/two PIN, 19 854 R1, nozzle spring (6)
11	19 854 R1	PIN, plain spiral (7/64 x 1/4") (12)
12	346 554 R91	NOZZLE (optional with 702 101 C1) (6 for Nozzle and Holder B)
12	702 101 C1	NOZZLE (optional with 346 554 R91) (6 for Nozzle and Holder B)
12	333 887 R91	NOZZLE (optional with 702 100 C1) (6 for Nozzle and Holder A)
12	702 100 C1	NOZZLE (optional with 333 887 R91) (6 for Nozzle and Holder A)
13	326 685 R1	NUT, nozzle holder (6)
14	601 076 C1	GASKET, nozzle (6)

(X) - As Required.

FUEL SYSTEM

(DT-361)

NOZZLE AND NOZZLE HOLDER
(Robert Bosch Corp.)



CEA-83973A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicates the part is used for all injection nozzle and holder assy listed below: Letters A and B are used to identify separate nozzle and holder assy.

A Service parts for injection NOZZLE AND HOLDER ASSY (Used on units equipped with Roosa-Master Fuel Injection Pumps)
 TD-15BPM 5469 up
 TD-15BGM 5483 up
 TD-15BGAM 5483 up
 TD-15BPSM 5483 up
 TD-15BGFM 5483 up
 TD-15BGSM 5483 up

B Service parts for injection NOZZLE AND HOLDER ASSY (Used on units equipped with International R. D. Fuel Injection Pumps)
 TD-15BPM 2615 to 5468
 TD-15BGM 2615 to 5482
 TD-15BGAM 2615 to 5482
 TD-15BPSM 2615 to 5482

FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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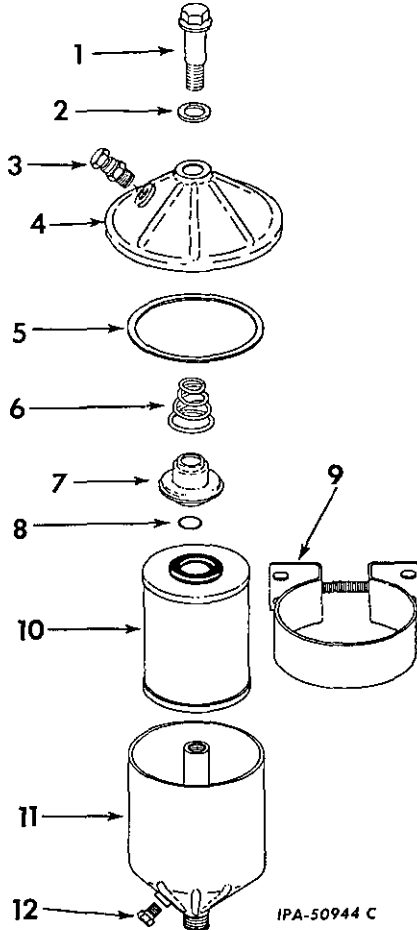
NOZZLE AND NOZZLE HOLDER - Continued
(Robert Bosch Corp.)

1	610 715 C91	NOZZLE AND HOLDER, 615 103 C91 (will work for NOZZLE AND HOLDER, 337 271 R91) (6 for NOZZLE AND HOLDER A)
1	610 716 C91	NOZZLE AND HOLDER, 615 103 C91 (will work for NOZZLE AND HOLDER ASSY, 344 039 R91) (6 for NOZZLE AND HOLDER B)
2		BODY, holder (Not Furnished Separately)
3	615 109 C1	SHIM (.077) (X)
3	615 110 C1	SHIM (.075) (X)
3	615 111 C1	SHIM (.073) (X)
3	615 112 C1	SHIM (.071) (X)
3	615 113 C1	SHIM (.069) (X)
3	615 114 C1	SHIM (.067) (X)
3	615 115 C1	SHIM (.065) (X)
3	615 116 C1	SHIM (.063) (X)
3	615 117 C1	SHIM (.061) (X)
3	615 118 C1	SHIM (.059) (X)
3	615 119 C1	SHIM (.057) (X)
3	615 120 C1	SHIM (.055) (X)
3	615 121 C1	SHIM (.053) (X)
3	615 122 C1	SHIM (.051) (X)
3	615 123 C1	SHIM (.049) (X)
3	615 124 C1	SHIM (.047) (X)
3	615 125 C1	SHIM (.045) (X)
3	615 126 C1	SHIM (.043) (X)
3	615 127 C1	SHIM (.041) (X)
3	615 128 C1	SHIM (.039) (X)
4	615 105 C1	SPRING (6)
5	615 106 C1	SEAT, spring lower (6)
6	615 107 C1	PLATE, intermediate (6)
7	606 401 C91	NOZZLE (6 for NOZZLE AND HOLDER B)
7	606 400 C91	NOZZLE (6 for NOZZLE AND HOLDER A)
8	615 108 C1	NUT, nozzle cap (6)
9	601 076 C1	GASKET, nozzle (Not Furnished as part of NOZZLE AND HOLDER ASSY) (6)
10	364 879 R1	"O" RING, dust seal 7/8 x 1-1/16 x 3/32" (Not furnished as part of nozzle and holder assy.) (6)
	615 103 C91	HOLDER ASSY, nozzle (6) (Composed of - §1 BODY 1 NUT 615 108 C1 1 PLATE 615 107 C1 1 SEAT 615 106 C1 X SHIM 615 109 C1 1 SPRING 615 105 C1)

X - As Required.
 § - Not Furnished Separately.

FUEL SYSTEM
(DT-361)

PRIMARY AND FINAL FUEL FILTERS
NOT INCREASED CAPACITY
(Purolator Products, Inc.)
TD-15BPM 501 to 4622
TD-15BGM 1759 to 4622
TD-15BGAM 1759 to 4622
TD-15BPSM 1759 to 4622



REF. NO.	I. H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicate the part is used for all filters listed below. Letters A, B, C and D are used to identify separate filters.		
A	347 066 R91	FILTER ASSEMBLY, final fuel (less BRACKET) (together with BRACKET, 304 104 R91 will work for final fuel FILTER, 278 062 R91 or 306 399 R91) also (together with BRACKET, 304 104 R91, ELBOW 179 547 and ELBOW, 37 323 D will work for final fuel filter 333 863 R91)
	102 634	5/16" NUT (4)
	179 817	5/16 x 7/8" hex-hd cap SCREW (4)
	103 320	5/16" lock WASHER (4)
	103 340	11/32 x 11/16" x 16 ga WASHER (4)
B	601 507 C91	FILTER ASSEMBLY, primary fuel (less BRACKET) (order FILTER, 610 930 C91, ELBOW, 444 068 and ELBOW, 9 402 838)

FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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PRIMARY AND FINAL FUEL FILTERS
NOT INCREASED CAPACITY - Continued
(Purolator Products, Inc.)
TD-15BPM 501 to 4622
TD-15BGM 1759 to 4622
TD-15BGAM 1759 to 4622
TD-15BPSM 1759 to 4622

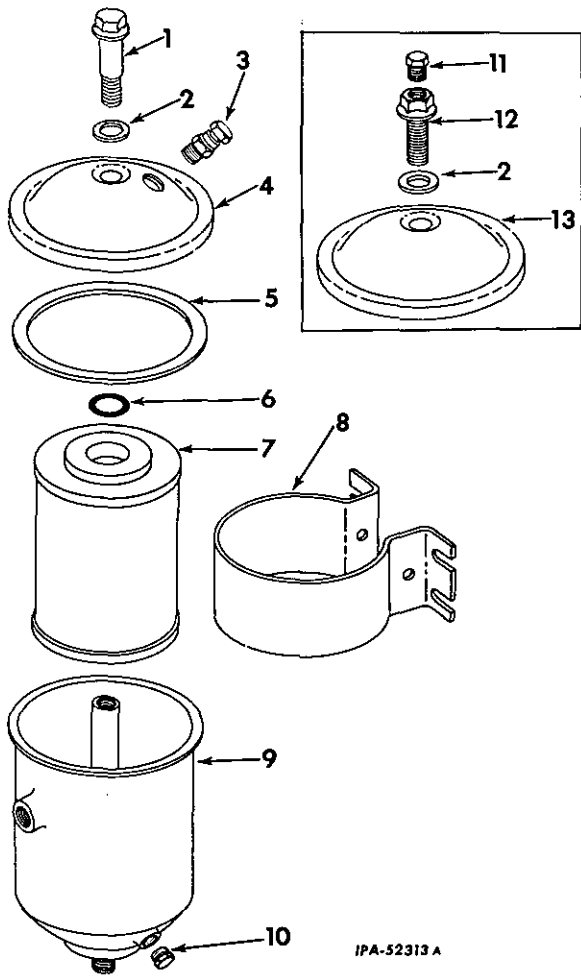
C	610 930 C91	FILTER ASSEMBLY, primary fuel (with BRACKET) (together w/ELBOW, 444 068 and ELBOW, 9 402 838, will work for FILTER ASSEMBLY, 601 507 C91) (*)
D	610 932 C91	FILTER ASSEMBLY, primary fuel (less BRACKET) (optional with FILTER ASSEMBLY, 610 933 C91) (*)
	1	321 727 R1 SCREW, retaining (FILTER A)
	1	368 333 R1 SCREW, retaining (FILTER B)
	2	368 334 R1 GASKET, retaining (2 for FILTERS A and B)
	3	39 677 DA BLEEDER (FILTERS A and B)
	4	321 720 R91 COVER and BUSHING (2 for FILTERS A and B)
	5	304 102 R1 GASKET, element cover (2 for FILTERS A and B)
	6	321 721 R1 SPRING, retaining (2 for FILTERS A and B)
	7	321 722 R91 RETAINER, gasket (2 for FILTERS A and B)
	8	355 966 R1 GASKET, "O" ring retainer (2 for FILTERS A and B)
	9	304 104 R91 BRACKET, fuel filter (not furnished as part of fuel filter assemblies) (2 for FILTERS A and B)
	10	304 101 R91 PACKAGE, final fuel filter element field service (Consists of ELEMENT and GASKET, 304 102 R1) (FILTER A)
	10	306 353 R91 PACKAGE, primary fuel filter element field service (Consists of ELEMENT and GASKET, 304 102 R1) (FILTER B)
	11	304 100 R91 CASE (2 for FILTERS A and B)
	12	258 995 R1 PLUG, fuel filter drain (2 for FILTERS A and B)
	444 014	ADAPTER, primary fuel filter inlet (†) (FILTER B)
	37 323 D	ELBOW, 3/8" x 90° final filter inlet (#) (FILTER A)
	179 547	ELBOW, 3/8 x 1/4" reducing pipe (final filter outlet) (#) (FILTER A)
	603 945 C1	NUT, flat speed (FILTER B)
	336 109 R1	SCREW, retaining (2 for use with FILTER, 333 863 R91)
	116 386	TEE, 3/8 x 3/8 x 1/4" reducing (primary fuel filter outlet) (†) (FILTER B)

(*) - Service parts will be furnished in the next revision of this catalog.
(#) - Used with Final Fuel Filter, 347 066 R91 Only When it Replaces Final Fuel Filter, 333 863 R91.
(†) - Used with Primary Fuel Filter, 601 507 C91 Only When it Replaces Primary Fuel Filter, 333 863 R91.

FUEL SYSTEM

(DT-36f)

PRIMARY AND FINAL FUEL FILTERS
NOT INCREASED CAPACITY
(Fram Corporation)
TD-15BPM 501 to 4622
TD-15BGM 1759 to 4622
TD-15BGAM 1759 to 4622
TD-15BPSM 1759 to 4622



IPA-52313 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicate the part is used for all filters listed below. Letters "A", "B", "C" and "D" are used to identify separate filters.

A	306 399 R91	FILTER ASSEMBLY, final fuel (order final fuel FILTER 347 066 R91)
	102 634	5/16" NUT (4)
	179 817	5/16 x 7/8" hex-hd cap SCREW (4)
	103 320	5/16" lock WASHER (4)
	103 340	11/32 x 11/16" x No. 16 ga WASHER (4)

FUEL SYSTEM

(DT-36f)

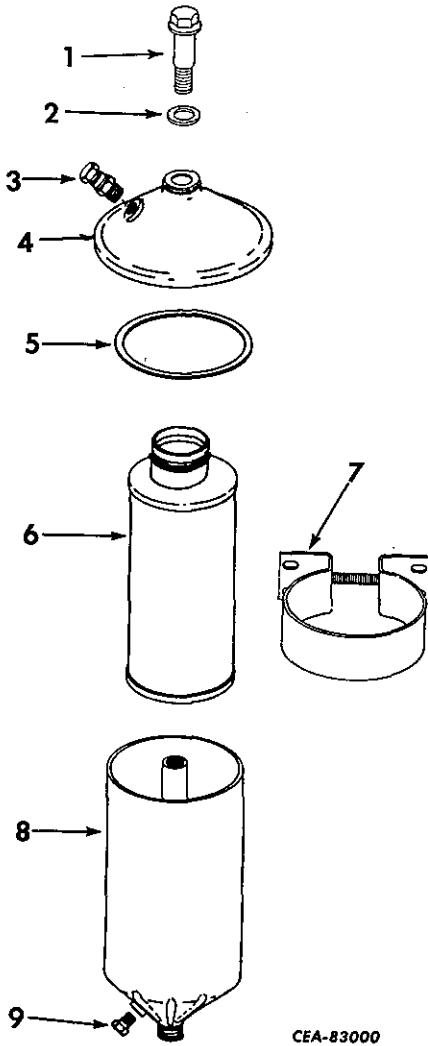
PRIMARY AND FINAL FUEL FILTERS
NOT INCREASED CAPACITY - Continued
(Fram Corporation)
TD-15BPM 501 to 4622
TD-15BGM 1759 to 4622
TD-15BGAM 1759 to 4622
TD-15BPSM 1759 to 4622

REF. NO.	I.H. PART NUMBER	DESCRIPTION
B	601 508 C91	FILTER ASSEMBLY, less STRAP, primary fuel (order FILTER ASSEMBLY, 610 931 C91, ELBOW, 444 068 and ELBOW, 9 402 838)
C	610 931 C91	FILTER ASSEMBLY, primary fuel (w/ BRACKET) (together with ELBOW, 444 068 and ELBOW, 9 402 838, will work for FILTER ASSEMBLY, 601 508 C91)
D	610 933 C91	FILTER ASSEMBLY, primary fuel (less BRACKET) (optional with FILTER ASSEMBLY, 610 932 C91)
1	321 822 R1	SCREW, fuel filter retaining cap (2 for FILTER B, C and D)
2	368 493 R1	GASKET, vent cap screw (2 for FILTERS A, B, C and D)
3	39 677 DA	BLEEDER, fuel filter (2 for FILTER B, C, and D)
4	603 941 C91	COVER, fuel filter (2 for FILTER B, C and D)
5	304 102 R1	GASKET, element cover (2 for FILTERS A and B)
6	306 777 R1	"O" RING, 9/16 x 3/4 x 3/32" (2 for FILTERS A, B, C and D)
7	304 101 R91	PACKAGE, final fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (FILTER A)
7	306 353 R91	PACKAGE, primary fuel filter element field service (Consists of ELEMENT and GASKET, 304 102 R1) (FILTER B, C, and D)
8	306 780 R1	STRAP, bracket (not furnished as part of fuel filter assembly) (2 for FILTERS A, B and C)
	120 372	1/4" sq NUT (2)
	133 086	1/4 x 3" rd-hd slt mach SCREW (2)
	131 200	1/4" spring lock WASHER (2)
9	306 775 R91	BODY (2 for FILTER A)
9		BODY (not furnished separately) (2 for FILTER B, C and D)
10	258 995 R1	PLUG, fuel filter drain (2 for FILTER B)
10	444 612	PLUG, fuel filter drain (2 for FILTER B)
10	610 383 C1	PLUG, fuel filter drain (FILTER C and D)
11	306 778 R1	PLUG, vent (2 for FILTER A)
12	368 492 R1	SCREW, vent cap (2 for FILTER A)
13	306 776 R91	COVER (2 for FILTER A)

FUEL SYSTEM

(DT-361)

PRIMARY AND FINAL FUEL FILTERS
INCREASED CAPACITY
(Fram Corporation)
TD-15BPM 4623 up
TD-15BGM 4623 up
TD-15BGAM 4623 up
TD-15BPSM 4623 up
TD-15BCFM 4623 up
TD-15BGSM 4623 up



CEA-83000

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicate the part is used for all filters listed below: Letters A and B are used to identify separate filters.

A	606 380 C91	FILTER ASSY, primary fuel
	181 335	5/16NF x 11/16" hex-hd cap SCREW (4)
	103 320	5/16" lock WASHER (4)
	103 340	11/32 x 11/16" x 16 ga WASHER (4)

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FUEL SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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PRIMARY AND FINAL FUEL FILTERS
INCREASED CAPACITY - Continued
(Fram Corporation)
TD-15BPM 4623 up
TD-15BGM 4623 up
TD-15BGAM 4623 up
TD-15BPSM 4623 up
TD-15BCFM 4623 up
TD-15BGSM 4623 up

B	338 371 R91	FILTER ASSY, final fuel
	181 335	5/16NF x 11/16" hex-hd cap SCREW (4)
	103 320	5/16" lock WASHER (4)
	103 340	11/32 x 11/16" x 16 ga WASHER (4)
1	321 822 R1	SCREW, 7/16NF x 1.635" hex-hd cap (filter cover screw) (2)
2	368 493 R1	GASKET, cover screw (2)
3	39 677 DA	VALVE, bleeder (2)
4	321 823 R91	COVER, filter case (2)
5	297 349 R1	GASKET, filter case cover (2)
6	349 280 R91	PACKAGE, primary fuel filter element (cotton) (consists of ELEMENT and GASKET, 297 349 R1) (FILTER A)
6	323 960 R91	PACKAGE, final fuel filter element (paper) (consists of ELEMENT and GASKET, 297 349 R1) (FILTER B)
6	609 409 C91	PACKAGE, primary fuel filter element (Consists of ELEMENT and GASKET, 297 349 R1 (For machinery equipped with water separator element attachment)
7	234 447 R1	STRAP, bracket (2)
	610 382 C1	BOLT, 1/4 x 3-1/4" slit-rd-hd cd-pltd strap (151392) (2)
	109 084	1/4" NUT (3)
	103 319	1/4" lock WASHER (2)
8		BODY (Not Furnished Separately) (2)
9	610 383 C1	PLUG, fuel filter drain (not part of ATTACHMENT, 609 407 C91)
9	134 519	VALVE, drain (part of ATTACHMENT, 609 407 C91)
	609 407 C91	ATTACHMENT, water separator primary element (see NOTE 3) (Consists of - 1 PACKAGE 609 409 C91 1 VALVE 134 519 1 PAMPHLET installation 1 085 196 R1 1 PRODUCT GRAPHIC 2 753 386 R1)

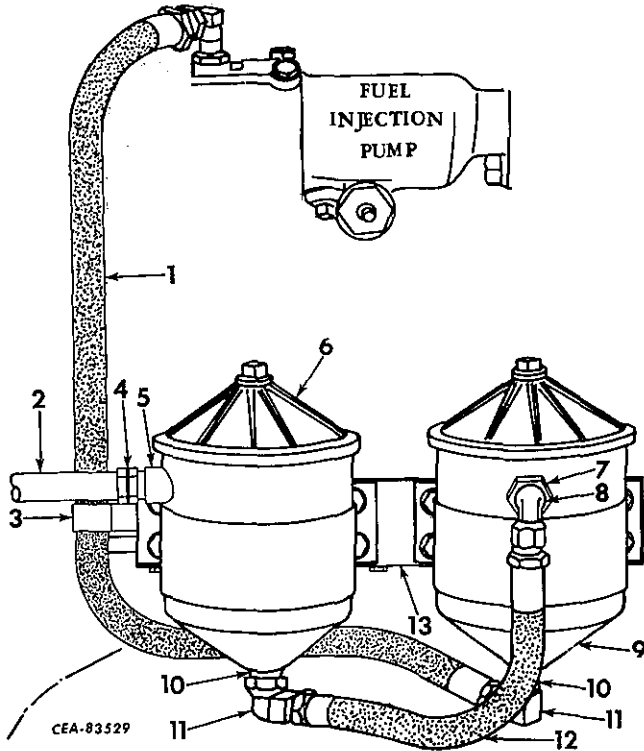
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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FUEL SYSTEM

(DT-361)

PRIMARY AND FINAL FUEL FILTERS
 INCREASED CAPACITY
 (For use on Units Equipped with Roosa-Master Fuel Injection Pump)
 TD-15BPM 501 to 2614
 TD-15BGM 1759 to 2614
 TD-15 BGAM 1759 to 2614



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	609 709 C91	ATTACHMENT, increased capacity fuel filter (See NCTE 3)
1	610 366 C91	HOSE w/FITTINGS, final filter outlet (hose, 3/8" ID x 29" long including fittings)
2	609 716 C1	TUBE, front fuel supply
3	341 116 R1	CLIP, fuel hose
4	37 288 H 265 066 R1	NUT, front fuel supply tube (2) SLEEVE, front fuel supply tube
5	37 287 H	CONNECTOR, front fuel supply tube
6	606 380 C91	FILTER, primary fuel (for components see list of parts under details of "Primary and Final Fuel Filters")
7	444 028	BUSHING, final filter inlet reducing TD-15BPM 815 to 1581
8	9 402 838	ELBOW, 1/4NPT x 37° flare (not furnished as part of Attachment 609 709 C91) TD-15BPM 815 to 1581

FUEL SYSTEM

(DT-361)

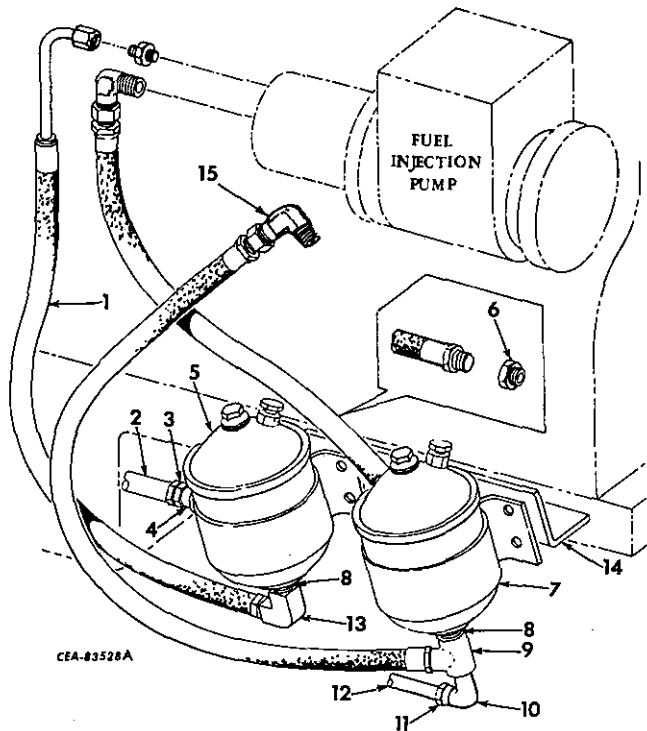
PRIMARY AND FINAL FUEL FILTERS
 INCREASED CAPACITY - Continued
 (For use on Units Equipped with Roosa-Master Fuel Injection Pump)
 TD-15BPM 501 to 2614
 TD-15BGM 1759 to 2614
 TD-15BGAM 1759 to 2614

REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	333 934 R1	ELBOW, 3/8NPT x 37° flare (not furnished as part of Attachment 609 709 C91) TD-15BPM 1582 up TD-15BGM 1759 up TD-15BGAM 1759 up
9	338 371 R91	FILTER, final fuel (for components see list of parts under details of "Primary and Final Fuel Filters")
10	443 990	NIPPLE, filter outlet reducing (2)
11	444 068	ELBOW (primary and final filter outlet (optional with 444 504) (2)
11	444 504	ELBOW, primary and final filter outlet (optional with 444 068) (2)
12	603 677 C91	HOSE w/FITTINGS, primary filter outlet (hose, 3/8" ID x 12" long including fittings)
13	607 399 C1 179 840 103 321 179 816 103 320 103 340	BRACKET, filter mounting 3/8 x 1-1/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5) 5/16 x 3/4" hex-hd cap SCREW (8) 5/16" lock WASHER (8) 11/32 x 11/16" x 16 ga WASHER (8)

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

FUEL SYSTEM
(DT-361)

**PRIMARY AND FINAL FUEL FILTERS
INCREASED CAPACITY**
(For Use on Units Equipped with International R. D.
Fuel Injection Pump)
TD-15BP 7949 to 20124
TD-15BG 7949 to 20124
TD-15B (Agr) BGA 7949 to 20124
TD-15BPS 9371 to 20124



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicates the part is used for all attachments listed below. Letters A and B are used to identify separate attachments.

A	609 707 C91	ATTACHMENT, increased capacity fuel filter (See NOTE 3) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
B	609 708 C91	ATTACHMENT, increased capacity fuel filter (See NOTE 3) TD-15BP 9623 to 20124 TD-15BG 9623 to 20124 TD-15B(Agr)BGA 9623 to 20124 TD-15BPS 9623 to 20124
1	610 200 C91	HOSE, primary filter to injection pump
2	609 712 C1	TUBE, front fuel supply (Attachment A)
2	609 713 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply (Attachment B)
3	37 288 H 265 066 R1	NUT, front fuel supply tube (Attachment A) SLEEVE, front fuel supply tube (Attachment A)

FUEL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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**PRIMARY AND FINAL FUEL FILTERS
INCREASED CAPACITY - Continued**
(For Use on Units Equipped With International R. D.
Fuel Injection Pump)
TD-15BP 7949 to 20124
TD-15BG 7949 to 20124
TD-15B (Agr) BGA 7949 to 20124
TD-15BPS 9371 to 20124

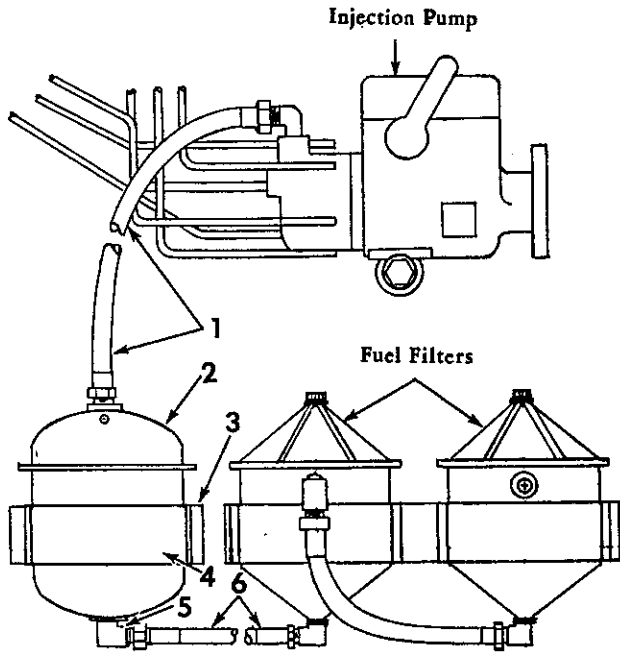
3	265 205 R1	NUT, front fuel supply tube (2 for Attachment B)
	265 204 R1	SLEEVE, front fuel supply tube (2 for Attachment B)
4	37 287 H	CONNECTOR, front fuel supply tube (Attachment A)
5	606 380 C91	FILTER, primary fuel (for components see list of parts under details of "Primary and Final Fuel Filters")
6	444 028	BUSHING, final filter inlet reducing
7	338 371 R91	FILTER, final fuel (for components see list of parts under details of "Primary and Final Fuel Filters")
8	443 990	NIPPLE, filter outlet reducing (2)
9	444 528	TEE, final filter outlet (optional with 444 226 and 444 120)
9	444 226	TEE, final filter outlet (optional with 444 528 and 444 120)
9	444 120	TEE, final filter outlet (optional with 444 528 and 444 226)
10	252 374 R1	ELBOW, fuel pressure gauge tube
11	29 898 D	NUT, fuel pressure gauge tube (2 for Attachment A)
11	915 499 R1	NUT, fuel pressure gauge tube (2 for Attachment B)
	915 500 R1	SLEEVE, pressure gauge tube (2 for Attachment B)
12	609 711 C1	TUBE, fuel pressure gauge (Attachment A)
12	609 714 C11	TUBE w/two NUT 915 499 R1 and two SLEEVE, 915 500 R1, fuel pressure gauge (Attachment B)
13	444 068	ELBOW, primary filter outlet (optional with 444 504)
13	444 504	ELBOW, primary filter outlet (optional with 444 068)
14	607 399 C1	BRACKET, filter mounting
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (5)
	103 321	3/8" lock WASHER (5)
	179 816	5/16 x 3/4" hex-hd cap SCREW (8)
	103 320	5/16" lock WASHER (8)
	103 340	11/32 x 11/16" x 16 ga WASHER (8)
15	9 402 838	ELBOW

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

FUEL SYSTEM

(DT-361)

WATCHDOG FUEL FILTERS
(For Units Equipped With Roosa-Master Fuel Injection Pump)
(TD-15BPM 501 to 814)



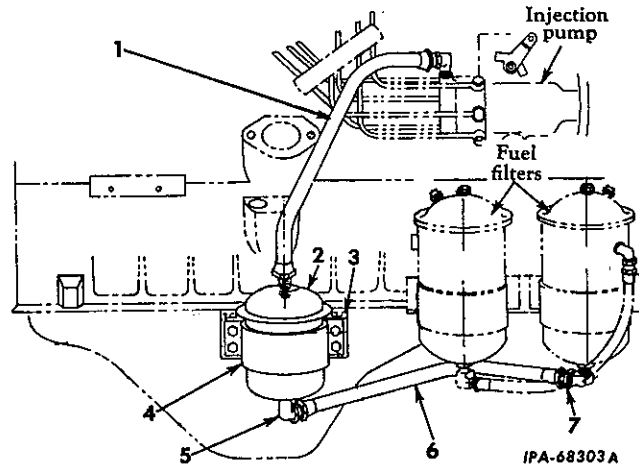
IPA-68253

REF. NO.	I.M. PART NUMBER	DESCRIPTION
1	347 823 R92	HOSE w/FITTING, watchdog fuel filter outlet (HOSE, 3/8" ID x 16" long including FITTINGS)
2	277 025 R94	FILTER, watchdog fuel
3	345 262 R1 179 840	BRACKET, watchdog fuel filter mounting 3/8 x 1-1/8" hex-hd cap SCREW (3)
4	304 104 R91 102 634 179 817 103 320 103 340	BRACKET, fuel filter 5/16" NUT (4) 5/16 x 7/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16 x 16 ga WASHER (8)
5	9 402 838	ELBOW, fuel filter inlet
6	346 936 R91	HOSE w/FITTINGS, watchdog fuel filter inlet (HOSE, 3/8" ID x 8-1/2" long including FITTINGS)

FUEL SYSTEM

(DT-361)

WATCHDOG FUEL FILTERS
(For Units Equipped With Roosa-Master Fuel Injection Pump)
TD-15BPM 815 to 2614, 5469 up
TD-15BCM 1759 to 2614, 5483 up
TD-15BCAM 1759 to 2614, 5483 up
TD-15BPSM 5483 up
TD-15RGFM 5483 up
TD-15BGSM 5483 up



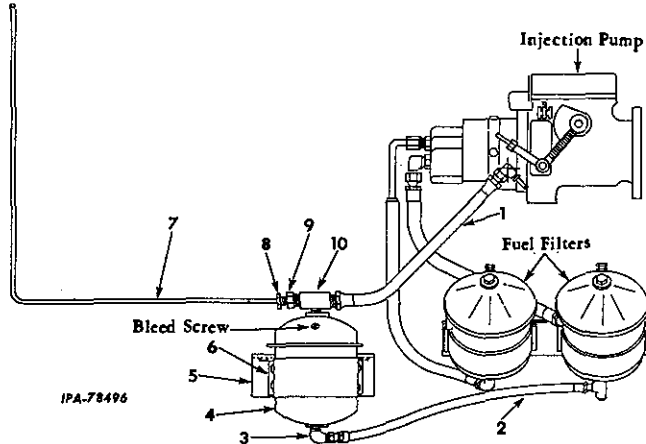
IPA-68303A

REF. NO.	I.M. PART NUMBER	DESCRIPTION
1	347 823 R92	HOSE w/FITTINGS, watchdog fuel filter outlet (HOSE, 3/8" ID x 16" long including FITTINGS)
2	277 025 R94	FILTER, watchdog fuel
3	345 262 R1 179 840	BRACKET, watchdog fuel filter mounting 3/8 x 1-1/8" hex-hd cap SCREW (3)
4	304 104 R91 102 634 179 817 103 320 103 340	BRACKET, fuel filter 5/16" NUT (4) 5/16 x 7/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16 x 16 ga WASHER (8)
5	9 402 838	ELBOW, fuel filter inlet
6	347 823 R92	HOSE w/FITTINGS, watchdog fuel filter (HOSE, 3/8" ID x 16" long including FITTINGS)
7	444 028	BUSHING, 3/8 x 1/4NPT reducing

FUEL SYSTEM

(DT-361)

WATCHDOG FUEL FILTER
 (For Units Equipped With International R. D. Fuel Injection Pump)
 TD-15BPM 2615 to 5468
 TD-15BGM 2615 to 5482
 TD-15BGAM 2615 to 5482
 TD-15BPSM 2615 to 5482



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	347 823 R92	HOSE w/FITTINGS, watchdog fuel filter outlet (HOSE, 3/8" ID x 16" long including FITTINGS)
2	347 823 R92	HOSE w/FITTINGS, watchdog fuel filter inlet (HOSE, 3/8" ID x 16" long including FITTINGS)
3	601 250 C1	ELBOW, fuel filter inlet
4	277 025 R94	FILTER, watchdog fuel
5	345 262 R1 179 840	BRACKET, watchdog fuel filter mounting 3/8 x 1-1/8" hex-hd cap SCREW (3)
6	304 104 R91 102 634 179 817 103 320 103 340	BRACKET, fuel filter 5/16" NUT (4) 5/16 x 7/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16" x 16 ga WASHER (8)
7	612 729 C11	TUBE, fuel oil pressure w/two NUT 915 499 R1 and two SLEEVE 915 500 R1 (together with CONNECTOR 606 673 C1 will work for 601 252 C1)
8	29 898 D	NUT, tube (used with TUBE 601 252 C1)
8	915 499 R1 915 500 R1	NUT, fuel oil pressure (2) (used with TUBE 612 729 C11) SLEEVE (2)
9	59 730 H	CONNECTOR, male (used with TUBE 601 252 C1)
9	606 673 C1	CONNECTOR, male (used with TUBE 612 729 C11)
10	601 251 C1	TEE, 1/4" NPTF
	IZG-7238	DRAWING, watchdog fuel filter installation

MEMORANDA

COOLING SYSTEM

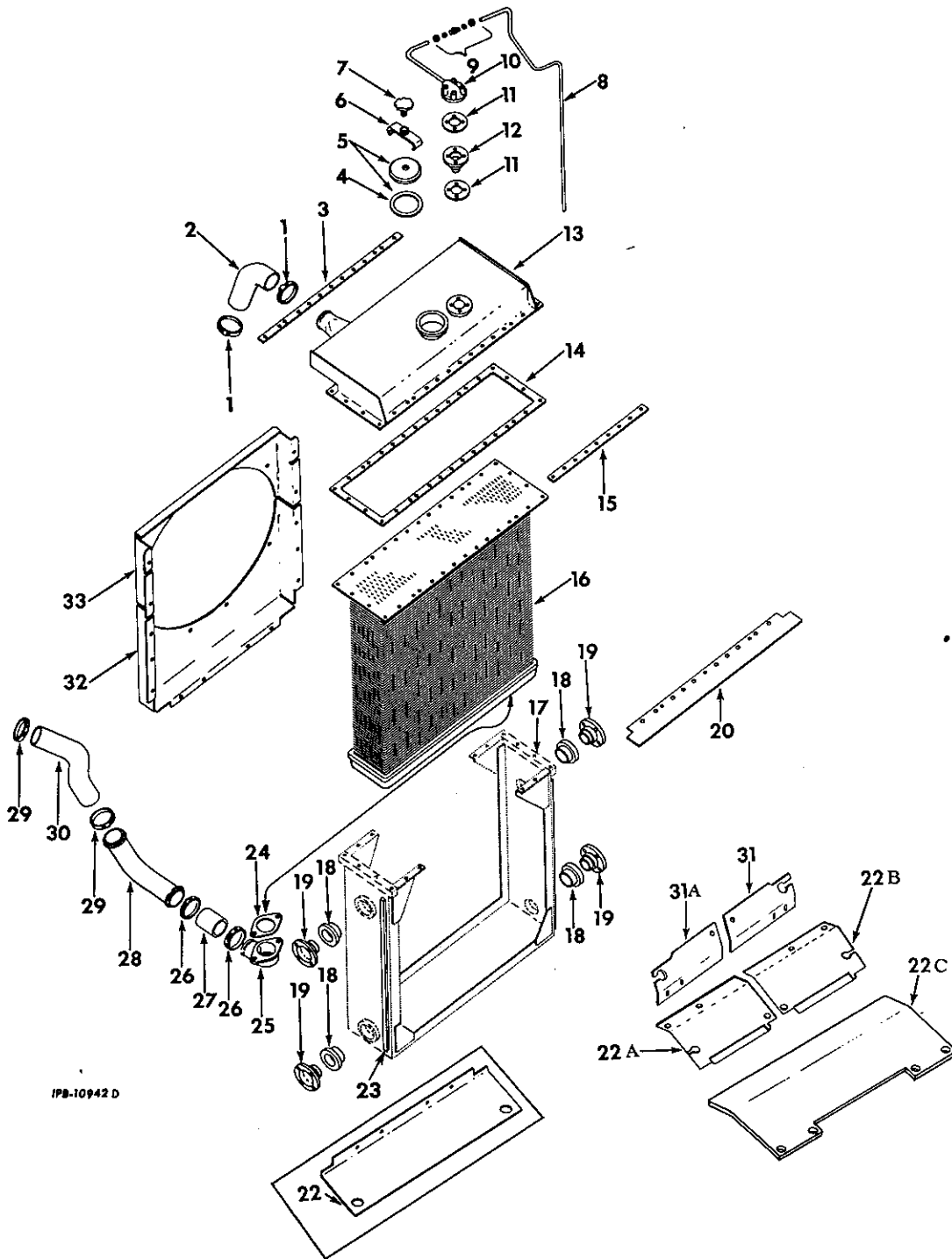
(DT-361)

RADIATOR AND CONNECTIONS
(Regular) (Short Core) (Woods) (Armored)

COOLING SYSTEM

(DT-361)

RADIATOR AND CONNECTIONS - CONTINUED
(Regular) (Short Core) (Woods) (Armored)



IPB-10942 D

COOLING SYSTEM

COOLING SYSTEM

(DT-361)

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION	No. Required													
			A	B	C	D	E	F	G	H	J	K	L	M	N	
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)																
A-		Service parts for Radiator and Connections (regular) (for Power Shift Crawler Tractors)														
B-	341 769 R91	ATTACHMENT, short core-armored radiator (for Power Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 334 293 R91 and blower fan ATTACHMENT, 338 908 R91) (not for Sideboom Crawler Tractors) (Order ATTACHMENT, 331 927 R91)														
C-	331 927 R91	ATTACHMENT, short core radiator (for Power Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 334 293 R91) (not for Sideboom Crawler Tractors) (*)														
D-	331 924 R91	ATTACHMENT, woods radiator (for Manual Shift or Power Shift Crawler Tractors equipped with radiator GUARD, 334 460 R91, 334 471 R91 or radiator guard ATTACHMENT, 334 298 R91) (not for Sideboom Crawler Tractors) (see NOTE 3)														
E-	341 800 R91	ATTACHMENT, armored radiator (for Manual Shift or Power Shift Crawler Tractors equipped with radiator GUARD, 334 460 R91, 334 471 R91 or radiator guard ATTACHMENT, 334 298 R91 and blower fan ATTACHMENT, 338 908 R91) (not for Sideboom Crawler Tractors) (see NOTE 3)														
F-	341 767 R91	ATTACHMENT, short core-armored radiator (for Manual Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 338 004 R91 and blower fan ATTACHMENT, 338 908 R91) (not for Sideboom Crawler Tractors) (order ATTACHMENT, 334 561 R91)														
G-	334 561 R91	ATTACHMENT, short-core radiator (for Manual Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 338 004 R91) (not for use with Sideboom Crawler Tractors) (*)														
H-	331 922 R91	ATTACHMENT, short-core woods radiator (for Manual Shift Crawler Tractors equipped with short core radiator ATTACHMENT, 334 561 R91) (not for Sideboom Crawler Tractors) (Order CORE, 348 477 R91 and GASKET, 320 486 R1)														
J-		Service parts for Radiator and Connections (armored core) (for Sideboom Crawler Tractors)														
K-		Service parts for Radiator and Connections (regular) (for Manual Shift Crawler Tractors)														
L-	611 470 C91	ATTACHMENT, short core radiator (for Power Shift Crawler Tractors equipped with radiator guard ATTACHMENT, 611 474 C91) (*) TD-15BP 21635 to 22000														
M-	611 471 C91	ATTACHMENT, short core radiator (for Manual Shift Crawler Tractors equipped with radiator guard ATTACHMENT, 611 486 C91) (*) TD-15BC 21608 to 22000, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628														
N-		Service parts for Radiator and Connections (regular) (for Bucket Back Filler Tractors) NOTE 3 - Field Application - Order Through Regular Service Parts Channels. (*) - Attachment No Longer Available Service Parts will be Furnished														

COOLING SYSTEM
(DT-361)

COOLING SYSTEM
(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION	No. Required												
			A	B	C	D	E	F	G	H	J	K	L	M	N
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)															
1	279 028 R91	CLAMP, radiator inlet hose	2									2	2		2
2	336 663 R1	HOSE, radiator inlet TD-15BP 6001 to 20420 TD-15BG 7260 to 20420 TD-15B(Agr) BGA 7260 to 20420 TD-15BPS 9371 to 20420	1									1	1		
2	609 999 C2	HOSE, radiator inlet TD-15BP 20421 up TD-15BG 20421 up TD-15BGA 20421 up TD-15BPS 20421 up TD-15B(Agr) BGA 20421 up TD-15BGS 21676 up	1									1	1		1
3	320 484 R1	BAR, upper tank mounting	1									1	1		1
4	259 598 R2	GASKET, radiator cap	1									1	1		1
5	259 599 R91	CAP, w/GASKET, 259 598 R2, radiator	1									1	1		1
6	259 603 R91	CLAMP, radiator cap	1									1	1		1
7	262 603 R12	HANDLE, radiator cap clamp	1									1	1		1
8	331 833 R2	PIPE, overflow lower	1									1	1		1
8	343 061 R1	PIPE, overflow lower		1	1				1	1				1	1
9	140 302	CONNECTOR, overflow pipe	1									1	1		1
10	327 777 R91	HOUSING, pressure valve	1									1	1		1
	179 841	3/8 x 1-1/4" hex-hd cap SCREW	4									4	4		4
	103 321	3/8" lock WASHER	4									4	4		4
11	320 391 R1	GASKET, pressure valve	2									2	2		2
12	321 149 R92	VALVE, w/"O" RING 252 707 R1 radiator pressure	1									1	1		1
13	343 054 R91	TANK, radiator upper	1									1	1		1
	102 635	3/8" NUT	15									15	15		15
	179 839	3/8 x 1" hex-hd cap SCREW	27									27	27		27
	179 840	3/8 x 1-1/8" hex-hd cap SCREW	11									11	11		11
	103 321	3/8" lock WASHER	38									38	38		38
14	320 486 R1	GASKET, radiator upper tank	1								1	1	1	1	1
15	320 485 R1	STIFFENER, radiator core	2									2	2		2
16	348 488 R91	CORE w/lower TANK, radiator													
16	348 488 R91	CORE w/lower TANK, radiator (Four Row Core radiator)	1										1		1
16	348 570 R92	CORE w/lower TANK, radiator (Order Core, 348 477 R91 and suction FAN, 338 909 R91)		1											
16	348 477 R91	CORE w/lower TANK, radiator (Optional w/CORE, 610 455 C91)			1				1	1			1	1	
16	610 455 C91	CORE w/lower TANK, radiator (Optional w/CORE, 348 477 R91)								1			1	1	
16	348 476 R91	CORE w/lower TANK, radiator				1						1			
16	348 569 R92	CORE w/lower TANK, radiator					1								
16	610 822 C91	CORE w/lower TANK, radiator (Four Row Core radiator)											1		
17		FRAME, radiator (Not Furnished Separately)												1	
17	348 521 R91	FRAME, radiator													
18	274 287 R2	MOUNTING, radiator rubber	4									4	4		4
19	311 218 R1	BRACKET, radiator mounting	4									4	4		4
	616 373 C1	BOLT, radiator mounting	16									16	16		16
20	331 834 R11	BAFFLE, radiator top air	1									1			
20	343 062 R11	BAFFLE, radiator top air (Furnished as part of cable radiator guard ATTACHMENT, 334 298 R91)													
20	343 062 R11	BAFFLE, radiator top air		1	1				1	1		1	1	1	1

COOLING SYSTEM

(DT-36)

COOLING SYSTEM

(DT-36)

REF. NO.	I. H. PART NUMBER	DESCRIPTION	No. Required												
			A	B	C	D	E	F	G	H	J	K	L	M	N
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)															
22	331 835 R1	BAFFLE, lower air TD-15BP 6001 to 8438 TD-15BG 7260 to 8438 TD-15B(Agr)BGA 7260 to 8438 (Order the following parts - 1 BAFFLE 345 622 R1 1 BAFFLE 345 623 R11 1 SCREW, 3/8 x 5/8" hex-hd cap 179 835 1 WASHER, 3/8" lock 103 321 1 WASHER, 13/32 x 13/16" x 16 ga. 103 341)	1										1		
22A	611 091 C11	BAFFLE, RH lower air (together w/DRAWING, ISK-39720, will work for BAFFLE, 345 623 R11) TD-15BP 8439 up TD-15BG 8439 up TD-15B(Agr)BGA 8439 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up 179 835 3/8 x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1										1		
			2										2		
			2										2		
			2										2		
22B	611 097 C1	BAFFLE, LH lower air (together w/DRAWING, ISK-39722, will work for BAFFLE, 345 622 R1) TD-15BP 8439 up TD-15BG 8439 up TD-15B(Agr)BGA 8439 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up 179 835 3/8 x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1										1		
			3										3		
			3										3		
			3										3		
22C	334 263 R2	BAFFLE, radiator lower front air		1	1			1	1				1	1	1
	179 835	3/8 x 5/8" hex-hd cap SCREW		4	4			4	4				4	4	4
	103 321	3/8" lock WASHER		4	4			4	4				4	4	4
	103 341	13/32 x 13/16" x 16 ga. WASHER		4	4			4	4				4	4	4
23	609 683 C1	SEAL, side air	2										2	2	
23	609 682 C1	SEAL, side air		2	2			2	2					1	1
24	274 395 R1	GASKET, outlet elbow	1										1	1	1
25	327 776 R1	ELBOW, radiator outlet	1										1	1	1
	179 839	3/8 x 1" hex-hd cap SCREW	2										2	2	2
	103 321	3/8" lock WASHER	2										2	2	2
26	279 028 R91	CLAMP, outlet hose	2										2	2	2
27	407 010 R1	HOSE, radiator pipe outlet (2-1/4 x 2-3/8 x 3" long) (*)	1										1	1	1
28	338 242 R1	PIPE (together with HOSE, 338 244 R1 will work for 331 832 R1)	1										1	1	
28	338 243 R1	PIPE (together with HOSE, 338 244 R1 will work for 343 066 R1)		1	1			1	1					1	1
29	279 028 R91	CLAMP, water pump inlet hose	2										2	2	2
30	338 244 R1	HOSE (together with PIPE, 338 242 R1 will work for 343 067 R1)	1										1	1	1
30	338 244 R2	HOSE (together with PIPE, 338 243 R1 will work for 343 067 R1)		1	1			1	1						
	252 707 R1	"O" RING, 3/4 x 15/16 x 3/32" radiator pressure valv	1										1	1	1

(*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.

COOLING SYSTEM

(DT-361)

COOLING SYSTEM

(DT-361)

REF. NO.	PART NUMBER	DESCRIPTION	No. Required												
			A	B	C	D	E	F	G	H	J	K	L	M	N
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)															
31	343 063 R1	BAFFLE, lower rear air TD-15BP 6001 to 8438 TD-15BG 7260 to 8438 TD-15B(Agr)BGA 7260 to 8438 (Order the following parts - 1 BAFFLE 345 616 R1 1 BAFFLE 345 617 R11 1 SCREW, 3/8 x 5/8" hex-hd cap 179 835 1 WASHER, 3/8" lock 103 321 1 WASHER, 13/32 x 13/16" x 16 ga. 103 341)	1	1				1	1						
31	345 616 R1	BAFFLE, LH lower rear air TD-15BP 8439 up TD-15BG 8439 up TD-15B(Agr)BGA 8439 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up 179 835 3/8 x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1	1				1	1			1	1	1	
31A	345 617 R11	BAFFLE, RH lower rear air 179 835 3/8 x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1	1				1	1			1	1	1	
32	611 469 C11	SHROUD, fan 181 356 3/8NF x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1	1				1	1			1	1	1	
32	611 468 C11	SHROUD, fan lower (will work for 343 187 R11) 179 835 3/8 x 5/8" hex-hd cap SCREW 179 837 3/8 x 3/4" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1	1				1	1			1	1	1	
33	611 467 C11	SHROUD, fan upper (will work for 343 069 R11) 179 837 3/8 x 3/4" hex-hd cap SCREW 179 835 3/8 x 5/8" hex-hd cap SCREW 103 321 3/8" lock WASHER 103 341 13/32 x 13/16" x 16 ga. WASHER	1	1				1	1			1	1	1	
	127 095 R1	CLIP, overflow pipe (on fan shroud bolts) TD-15BP 6001 to 7602 TD-15BG 7260 to 7602 TD-15B(Agr)BGA 7260 to 7602	2									2			
	336 182 R1	ADAPTER, safety filter to oil cooler inlet hose (*)											1		
	606 291 C91	ADAPTER, cooler outlet to regulator inlet hose (*)											1		
	274 239 R1	CLIP, overflow pipe (on fan shroud bolts) TD-15BP 7603 up TD-15BG 7603 up TD-15B(Agr)BGA 7603 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up	2								2	2		2	
	301 819 R1	CLIP, by-pass to cooler hose (*)	2	2									2		
	296 406 R91	ELBOW, oil cooler outlet to regulator hose (*)											1		
	327 393 R1	GROMMET, radiator oil line rubber (Not used on Power Shift Sideboom Tractor)	2							2					
	603 553 C91	HOSE w/two FITTINGS, 319 753 R91, regulator inlet (HOSE, 5/8"ID x 80" long including fittings) HOSE w/o FITTINGS, cut length 5/8"ID x 76-5/8" long cut from bulk HOSE No. 319 710 R1											1		
	319 753 R91	FITTING, male pipe											2		

(*) - Also Listed And Illustrated With "Hydraulic Lines and Connections."

COOLING SYSTEM

(DT-36i)

COOLING SYSTEM

(DT-36i)

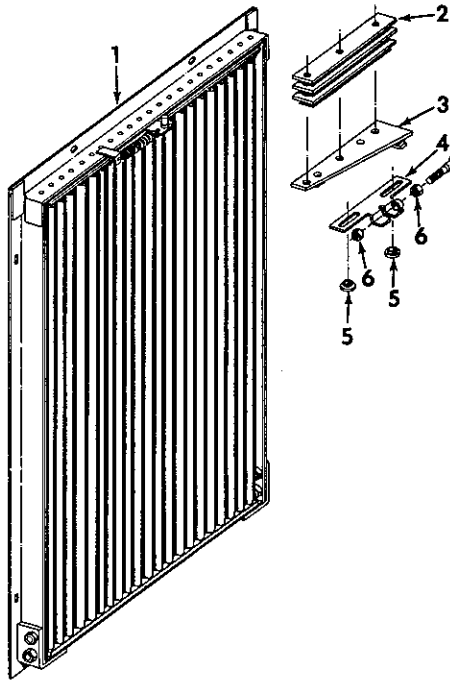
REF. NO.	I.H. PART NUMBER	DESCRIPTION	No. Required													
			A	B	C	D	E	F	G	H	J	K	L	M	N	
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)																
603 562	C91	HOSE w/two FITTING, 319 753 R91, cooler to by-pass (HOSE, 5/8"ID x 44" long including FITTINGS) (*)		1	1				1	1				1	1	
319 753	R91	HOSE w/o FITTINGS, cut length 5/8"ID x 40-5/8" long cut from bulk Hose No. 319 710 R1 FITTING, male pipe		2	2				2	2					2	
603 561	C91	HOSE w/two FITTING, 319 753 R91, by-pass to cooler (HOSE, 5/8"ID x 5/8" long including FITTINGS) (*)		1	1				1	1				1	1	
319 753	R91	HOSE w/o FITTINGS, cut length 5/8"ID x 54-5/8" long cut from bulk Hose No. 319 710 R1 FITTING, male pipe		2	2				2	2					2	
319 710	R1	HOSE, 5/8"ID bulk (x)														
343 501	R91	COOLER, oil to air lower (*)		1	1										1	
181 371		3/8NF x 1-3/8" hex-hd cap SCREW		4	4										4	
103 321		3/8" lock WASHER		4	4										4	
103 341		13/32 x 13/16" x 16 ga. WASHER		4	4										4	
325 990	R1	SPACER, radiator mounting bracket		4										4		
31 729	D	VALVE, radiator drain		1									1	1	1	

(*) - Also Listed And Illustrated With "Hydraulic Lines and Connections."
(x) - Order Cut Length As Required.

COOLING SYSTEM

(DT-36I)

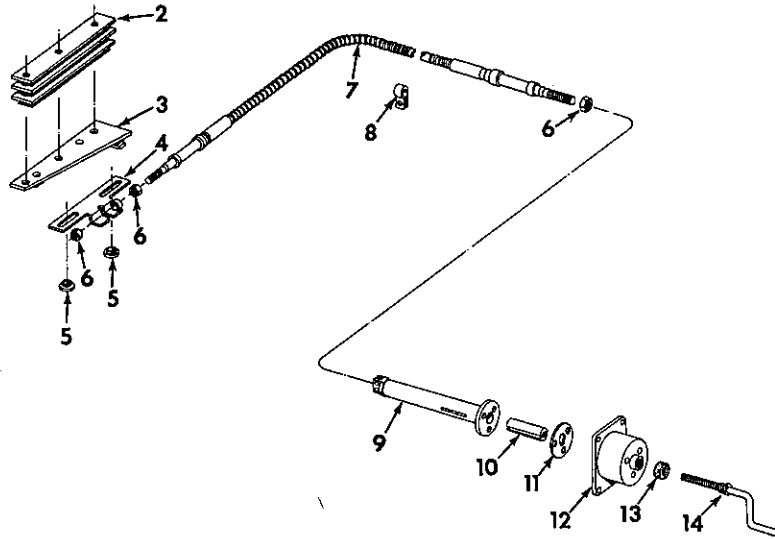
RADIATOR SHUTTER (Not for use with outboard fan)



COOLING SYSTEM

(DT-36I)

RADIATOR SHUTTER - CONTINUED (Not for use with outboard fan)



IPA-68254

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all attachments listed below: Letters "A" and "B" are used to identify separate attachments.
A	345 735 R91	ATTACHMENT, radiator shutter (for tractors equipped with regular or hydraulic radiator guard) (*)
B	337 723 R91	ATTACHMENT, radiator shutter (for tractors equipped with rear cable control unit radiator guard) (for gear drive and power shift crawler tractors) (*)
1	603 666 C91 179 837 103 321 103 341	SHUTTER, radiator 3/8 x 3/4" hex-hd cap SCREW (10) 3/8" lock WASHER (10) 13/32 x 13/16" x 16 ga WASHER (10)
2	337 679 R1	SPACER, actuator mounting (used only with PLATE, 334 493 R91) (3)
3	345 777 R91 179 819 179 837 103 320 103 321 179 838	PLATE, actuator mounting (together with SPACER, 337 679 R1, will work for 334 493 R91) 5/16 x 1-1/8" hex-hd cap SCREW 3/8 x 3/4" hex-hd cap SCREW (3 for ATTACHMENT A) 5/16" lock WASHER 3/8" lock WASHER (3) 3/8 x 7/8" hex-hd cap SCREW (3 for ATTACHMENT B)
4	334 494 R91	ACTUATOR, shutter
5	334 061 R1 179 838 103 321	GUIDE, shutter actuating (2) 3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
6	114 492	NUT, 1/4NF jam (3)
7	609 752 C91	ROD, radiator shutter control (ATTACHMENT A)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	609 753 C91 102 634 179 819 103 319 103 320	ROD, radiator shutter control (ATTACHMENT B) 5/16" NUT (2) 5/16 x 1-1/8" hex-hd cap SCREW (2) 1/4" lock WASHER (3) 5/16" lock WASHER (2)
8	27 385 D 102 635 120 578 103 321	CLIP, shutter control rod (2) 3/8" NUT (2) 3/8 x 3/4" truss-slt-hd mach SCREW (2) 3/8" lock WASHER (2)
9	337 669 R11 179 839 103 321	GUIDE, radiator shutter control crank 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
10	337 673 R1	PLUG, travel
11	337 676 R1	SPACER, radiator shutter control crank
12	337 672 R1 102 635 179 839 103 321	BRACKET, radiator shutter crank 3/8" NUT (4) 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
13	277 184 R1	BOOT
14	337 674 R11 343 062 R11 334 496 R1	CRANK, shutter control BAFFLE, radiator air top (ATTACHMENT B) (also listed and illustrated under "Radiator and Connections") BLOCK, tapping (10)
	1 019 214 R2	PAMPHLET, installation instruction
	337 721 R1	STIFFENER, vertical (2)

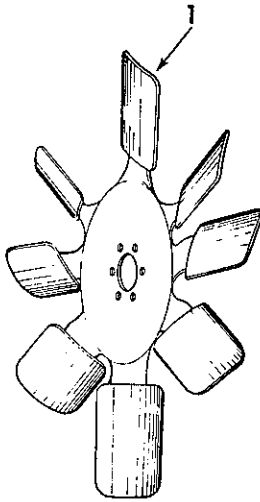
(*) - Attachment no longer available. Service parts will be furnished as ordered.

COOLING SYSTEM

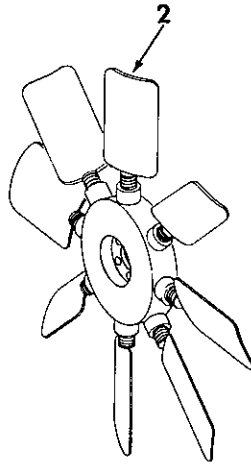
COOLING SYSTEM

DT-361

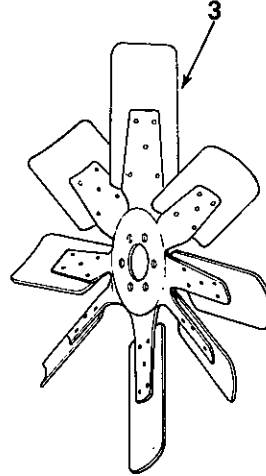
FAN AND FAN GUARD



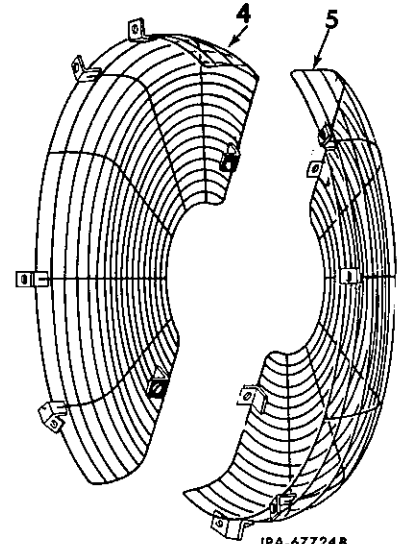
Suction Fan



Reversible Fan



Blower Fan



IPA-67724B

REF. NO.	I.H. PART NUMBER	DESCRIPTION	No. Required							
			A	B	C	D	E	F	G	
A-	334 594 R92	ATTACHMENT, fan guard (used on tractors without front cable control unit) (see NOTES 1 and 3)								
B-	334 595 R91	ATTACHMENT, fan guard (used on tractors with front cable control unit) (not for sideboom, Agr. or Backfiller crawler tractors) (see NOTES 1 and 3)								
C-	620 324 C91	ATTACHMENT, reversible fan (Consists of FAN, 619 629 C91 and PAMPHLET, 1 019 209 R1) (for use on units equipped with Fan Guard Attachments 334 594 R91, or 334 595 R91) (not for sideboom or Backfiller crawler tractors) (see NOTE 3)								
D-	338 908 R91	ATTACHMENT, blower fan (should be used with fan guard ATTACHMENT, 334 594 R91 or 334 595 R91) (not used on tractors equipped with Front Cable Control unit) (not for sideboom or Backfiller crawler tractors) (see NOTE 3)								
E-		Service parts for suction FAN (regular) (not for sideboom crawler tractors)								
F-		Service parts for blower FAN (regular) (for sideboom crawler tractors and Backfiller tractors)								
G-		Service parts for reversible FAN (for sideboom crawler tractors and Backfiller tractors)								
1	338 909 R91 179 838 103 321	FAN, suction (24" dia) (Schwitzer) 3/8 x 7/8" hex-hd cap SCREW 3/8" lock WASHER						1 6 6		
2	619 629 C91 179 844 103 321	FAN, reversible (Huber) 3/8 x 1-5/8" hex-hd cap SCREW 3/8" lock WASHER			1 6 6					1 6 6
3	338 908 R91 179 838 103 321	FAN, blower (24" dia) (Schwitzer) 3/8 x 7/8" hex-hd cap SCREW 3/8" lock WASHER				1 6 6			1 6 6	
4	616 295 C1 102 635 179 837 186 284 103 321 103 341	GUARD LH, fan (together with RH FAN GUARD 609 995 C92 will work for FAN GUARD 336 048 R92) 3/8" NUT 3/8 x 3/4" hex-hd cap SCREW 3/8 x 3-3/4" hex-hd cap SCREW 3/8" lock WASHER 13/32 x 13/16" x 16 ga. WASHER	1 2 6 6 4	1 2 5 1 7 6						
5	609 995 C92 179 837 186 282 103 321 103 341 334 562 R2	GUARD RH, fan (together with LH FAN GUARD 616 295 C1 will work for FAN GUARD, 336 048 R92) 3/8 x 3/4" hex-hd cap SCREW 3/8 x 3-1/4" hex-hd cap SCREW 3/8" lock WASHER 13/32 x 13/16" x 16 ga. WASHER SPACER, mounting	1 4 4 4	1 3 1 4 7 2						

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

COOLING SYSTEM

(DT-36I)

WATER PUMP, THERMOSTAT AND RELATED PARTS

(For Tractors equipped with Airesearch Turbochargers)

- TD-15BPM 501 to 5383
- TD-15BGM 1759 to 5431
- TD-15BGAM 1759 to 5431
- TD-15BPSM 1759 to 5431

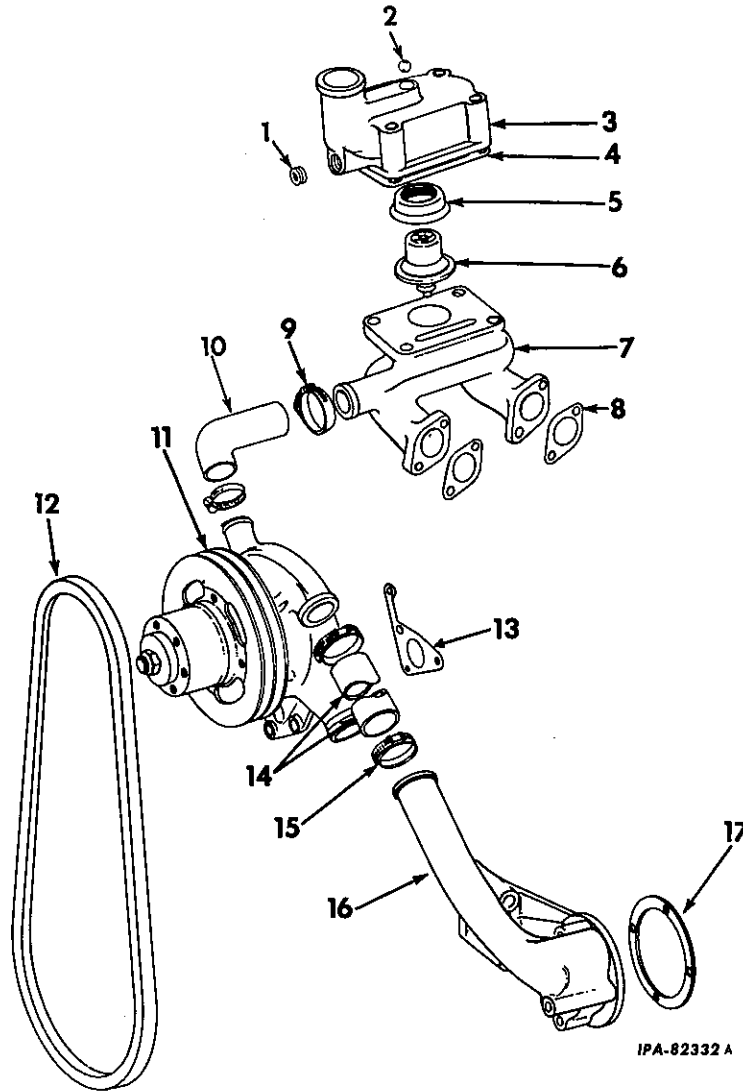
COOLING SYSTEM

(DT-36I)

WATER PUMP, THERMOSTAT AND RELATED PARTS - CONTINUED

(For Tractors equipped with Airesearch Turbochargers)

- TD-15BPM 501 to 5383
- TD-15BGM 1759 to 5431
- TD-15BGAM 1759 to 5431
- TD-15BPSM 1759 to 5431



IPA-82332 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	445 751	PLUG, 1/2" pipe
2	278 988 R12	VALVE, vent TD-15BPM 501 to 4018 TD-15BGM 1759 to 4018 TD-15BGAM 1759 to 4018 TD-15BPSM 1759 to 4018
	143 999	PLUG, 3/4" pipe-(used only with VALVE, 278 988 R12)

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	88 434 H	BALL, housing vent TD-15BPM 4019 to 5383 TD-15BGM 4019 to 5431 TD-15BGAM 4019 to 5431 TD-15BPSM 4019 to 5431

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COOLING SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
WATER PUMP, THERMOSTAT AND RELATED PARTS - CONTINUED (For Tractors equipped with Airesearch Turbochargers) TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431		
3	337 146 R11	HOUSING w/PLUG, 445 751 PLUG, 143 999 and VALVE, 278 988 R12, thermostat TD-15BPM 501 to 2263 TD-15BGM 1759 to 2263 TD-15BGAM 1759 to 2263 TD-15BPSM 1759 to 2263 (Order the following parts - 1 HOUSING 349 273 R11 1 SEAL 347 497 R91)
3	349 273 R11	HOUSING w/BALL, 88 434 H and PLUG, 445 751, thermostat TD-15BPM 2264 to 5383 TD-15BGM 2264 to 5431 TD-15BGAM 2264 to 5431 TD-15BPSM 2264 to 5431
	179 850	3/8 x 2-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
4	326 820 R1	GASKET, thermostat housing
5	151 975 R93	SEAL, thermostat (used with HOUSING, 337 146 R11) TD-15BPM 501 to 2263 TD-15BGM 1759 to 2263 TD-15BGAM 1759 to 2263 TD-15BPSM 1759 to 2263
5	347 497 R91	SEAL, thermostat (used with HOUSING, 349 273 R11) TD-15BPM 2264 to 5383 TD-15BGM 2264 to 5431 TD-15BGAM 2264 to 5431 TD-15BPSM 2264 to 5431
6	326 978 R91	THERMOSTAT (175° to 190°) (optional w/THERMOSTAT, 702 346 C1)
6	702 346 C1	THERMOSTAT (170° to 192°) (optional w/THERMOSTAT, 326 978 R91)
6	619 735 C1	THERMOSTAT (185° to 200°) (optional w/THERMOSTAT, 619 736 C1) (X)
6	619 736 C1	THERMOSTAT (180° to 202°) (optional w/THERMOSTAT, 619 735 C1) (X)
7	601 549 C11	ELBOW w/ELBOW, 601 549 C1 and Plug, 445 751, thermostat housing mounting
7	601 549 C1	ELBOW, thermostat housing mounting
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (3)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (4)
	445 751	PLUG, 1/2" pipe
8	326 818 R1	GASKET, elbow (2)
9	279 024 R91	CLAMP, hose (2)
10	407 003 R1	HOSE, by-pass (1-1/2 x 1-7/8 x 3") (*) TD-15BPM 501 to 5242 TD-15BGM 1759 to 5242 TD-15BGAM 1759 to 5242 TD-15BPSM 1759 to 5242
10	607 255 C1	HOSE, by-pass TD-15BPM 5243 to 5383 TD-15BGM 5243 to 5431 TD-15BGAM 5243 to 5431 TD-15BPSM 5243 to 5431
11		PUMP ASSY, water (for components see list of parts under details of "Water Pump and Pulley")

COOLING SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
WATER PUMP, THERMOSTAT AND RELATED PARTS - CONTINUED (For Tractors equipped with Airesearch Turbochargers) TD-15BPM 501 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431		
12	326 758 R11	BELT, fan and generator (set of two)
13	328 892 R1	GASKET, water pump
14	407 006 R1	HOSE, water pump to front oil cooler header (1-3/4 x 2-1/8 x 3-1/4") (*)
15	274 087 R91	CLAMP, hose (2)
16	332 568 R1	HEADER, front oil cooler TD-15BPM 501 to 5242 TD-15BGM 1759 to 5242 TD-15BGAM 1759 to 5242 TD-15BPSM 1759 to 5242
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (7)
	186 272	5/16 x 4" hex-hd cap SCREW
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (8)
	103 321	3/8" lock WASHER (2)
16	607 254 C1	HEADER, front oil cooler TD-15BPM 5243 up TD-15BGM 5243 up TD-15BGAM 5243 up TD-15BPSM 5243 up
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (7)
	186 272	5/16 x 4" hex-hd cap SCREW
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	103 320	5/16" lock WASHER (8)
	103 321	3/8" lock WASHER (2)
17	337 242 R1	GASKET, front oil cooler

(X) - As Required.

(*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.

COOLING SYSTEM

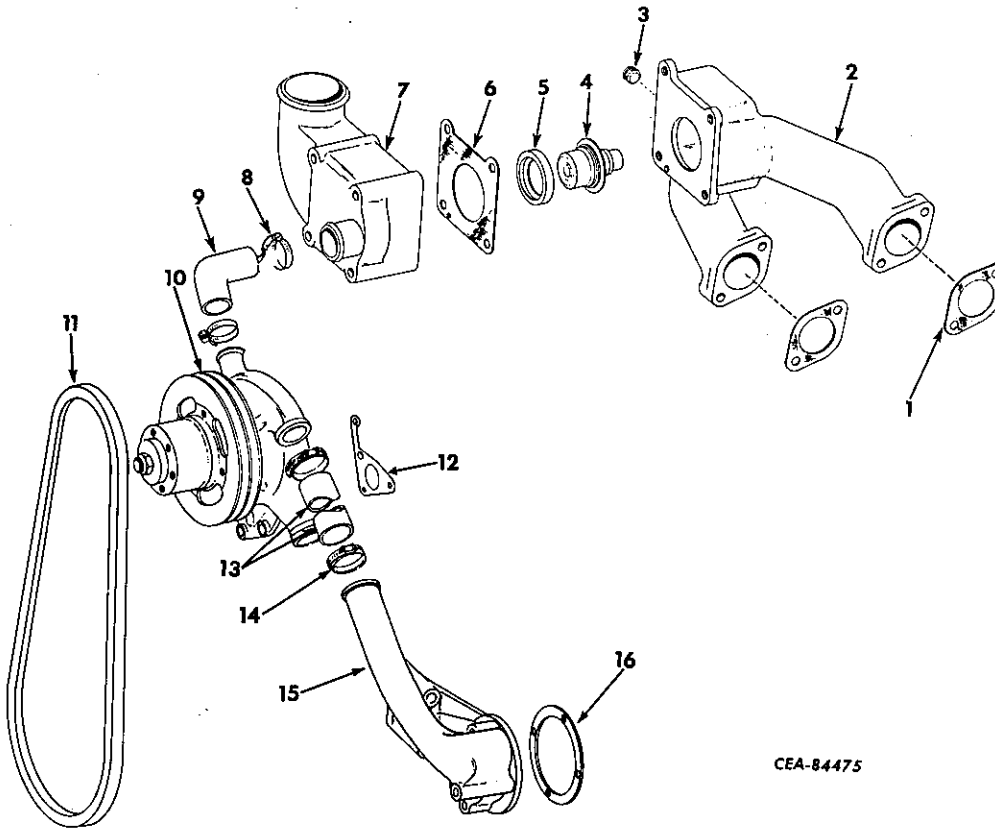
(DT-361)

WATER PUMP, THERMOSTAT AND RELATED PARTS
 (For Tractors equipped with Solar or Schwitzer Turbochargers
 TD-15BPM 5384 up
 TD-15BGM 5432 up
 TD-15BGAM 5432 up
 TD-15BPSM 5432 up
 TD-15BCGM 5432 up
 TD-15BPSM 5432 up
 TD-15BCGM 5432 up

COOLING SYSTEM

(DT-361)

WATER PUMP, THERMOSTAT AND RELATED PARTS - CONTINUED
 (For Tractors equipped with Solar or Schwitzer Turbochargers
 TD-15BPM 5384 up
 TD-15BGM 5432 up
 TD-15BGAM 5432 up
 TD-15BPSM 5432 up
 TD-15BCGM 5432 up
 TD-15BPSM 5432 up
 TD-15BCGM 5432 up



CEA-84475

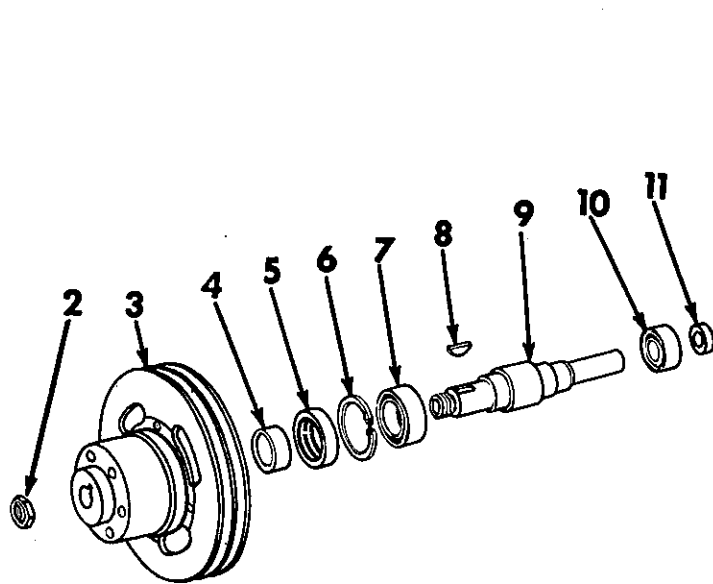
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 818 R1	GASKET, elbow (2)
2	607 257 C11	ELBOW w/PLUG, 445 751, thermostat housing mounting
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (3)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (4)
3	445 751	PLUG, 1/2" pipe
4	326 978 R91	THERMOSTAT (175° to 190°) (optional w/THERMOSTAT, 702 346 C1)
4	702 346 C1	THERMOSTAT (170° to 192°) (optional w/THERMOSTAT, 326 978 R91)
4	619 735 C1	THERMOSTAT (185° to 200°) (optional w/THERMOSTAT, 619 736 C1) (X)
4	619 736 C1	THERMOSTAT (180° to 202°) (optional w/THERMOSTAT, 619 735 C1) (X)
5	347 497 R91	SEAL, thermostat
6	607 258 C1	GASKET, thermostat housing
7	609 115 C1	HOUSING, thermostat
	179 850	3/8 x 2-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
8	279 024 R91	CLAMP, hose (2)
9	607 259 C1	HOSE, by-pass
10		PUMP ASSY, water (for components see list of parts under details of "Water Pump and Pulley")

REF. NO.	I. H. PART NUMBER	DESCRIPTION
11	326 758 R11	BELT, fan and generator (set of two)
12	328 892 R1	GASKET, water pump
13	407 006 R1	HOSE, water pump to front oil cooler header (1-3/4 x 2-1/8 x 3-1/4") (*)
14	274 087 R91	CLAMP, hose (2)
15	607 254 C2	HEADER, front oil cooler
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (7)
	186 272	5/16 x 4" hex-hd cap SCREW
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	103 320	5/16" lock WASHER (8)
	103 321	3/8" lock WASHER (2)
16	337 242 R1	GASKET, front oil cooler
	384 554 R1	CLIP, water temperature tube (on thermostat housing mounting bolt)

(*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.
 (X) - As Required.

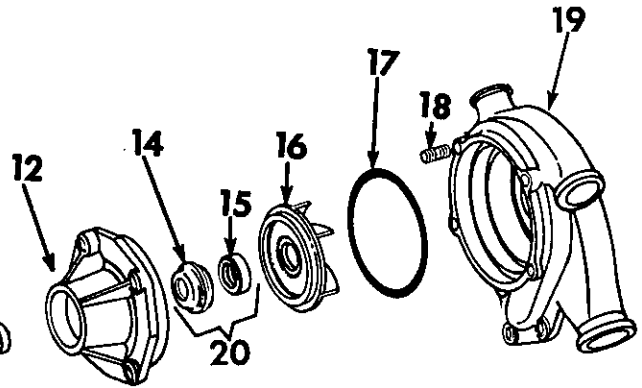
COOLING SYSTEM
(DT-361)

WATER PUMP AND PULLEY



COOLING SYSTEM
(DT-361)

WATER PUMP AND PULLEY - CONTINUED



IPA-66432 F

REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	17 296 R1	NUT, 3/4NF (used with SHAFT, 332 310 R1)
2	18 501 R1	NUT, 7/8NF (used with SHAFT, 345 081 R1)
3	332 445 R1	PULLEY, fan
4	326 721 R1	SPACER, water pump
5	333 794 R91	SEAL, water pump shaft
6	456 736 R1	RING, snap
7	ST 715	BEARING, ball
8	124 549	KEY, Woodruff (3/16 x 3/4")
9	345 081 R1	SHAFT, water pump (together with NUT, 18 501 R1, will work for 332 310 R1)
10	ST 441	Bearing, ball
11	610 051 C91	OIL SEAL, rear
12	328 889 R1	HOUSING, bearing
	103 026	3/8NF NUT (4)
	103 321	3/8" lock WASHER (4)
14		SEAL, water pump (order PACKAGE, 701 331 C91)
15	265 164 C91	SEAT, water pump seal
16	332 311 R1	IMPELLER, water pump
17	285 253 R1	"O" RING (5-1/2 x 5-3/4 x 1/8")
18	273 050 R1	STUD (4)
19	332 309 R11	BODY w/four STUDS, 273 050 R1, water pump
		TD-15BPM 501 to 5242
		TD-15BGM 1759 to 5242
		TD-15BGAM 1759 to 5242
		TD-15BPSM 1759 to 5242
		(Order the following parts -
		1 BODY 607 253 C11
		1 HOSE 607 255 C1)
19	607 253 C11	BODY w/four STUDS, 273 050 R1, water pump
		TD-15BPM 5243 up
		TD-15BGM 5243 up
		TD-15BGAM 5243 up
		TD-15BPSM 5243 up
		TD-15BGFM 5243 up
		TD-15BGSM 5243 up
	179 888	1/2 x 1-7/8" hex-hd cap SCREW
	179 890	1/2 x 2-1/4" hex-hd cap SCREW (3)
	116 105	17/32 x 1-1/16 x .095" copper WASHER (4)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
20	701 331 C91	PACKAGE, water pump seal field service (consists of water pump SEAL and SEAT, 265 164 C91)
	609 459 C92	PACKAGE, water pump field service (Consists of -
		1 BEARING ST 441
		1 BEARING ST 715
		1 GASKET 328 892 R1
		1 IMPELLER 332 311 R1
		1 KEY 124 549
		1 NUT 18 501 R1
		1 "O" RING 285 253 R1
		1 PACKAGE 701 331 C91
		1 RING 456 736 R1
		1 RING 285 253 R1
		1 SEAL 333 794 R91
		1 SEAL 610 051 C91
		1 SHAFT 345 081 R1
		1 SPACER 326 721 R1)
	345 082 R91	PACKAGE, water pump shaft field service (Consists of water pump SHAFT, 345 081 R1 and NUT 18 501 R1)
	701 335 C91	PACKAGE, water pump bearing housing field service (Consists of -
		1 BEARING ST 441
		1 BEARING ST 715
		1 HOUSING 328 889 R1
		1 IMPELLER 332 311 R1
		1 KEY 124 549
		1 NUT 18 501 R1
		1 RING 456 736 R1
		1 SEAL 610 051 C91
		1 SEAL 333 794 R91
		1 SEAT 265 164 C91
		1 SHAFT 345 081 R1
		1 SPACER 326 721 R1)
		§ 1 SEAL)

§ - Not Furnished Separately.

LUBRICATION SYSTEM

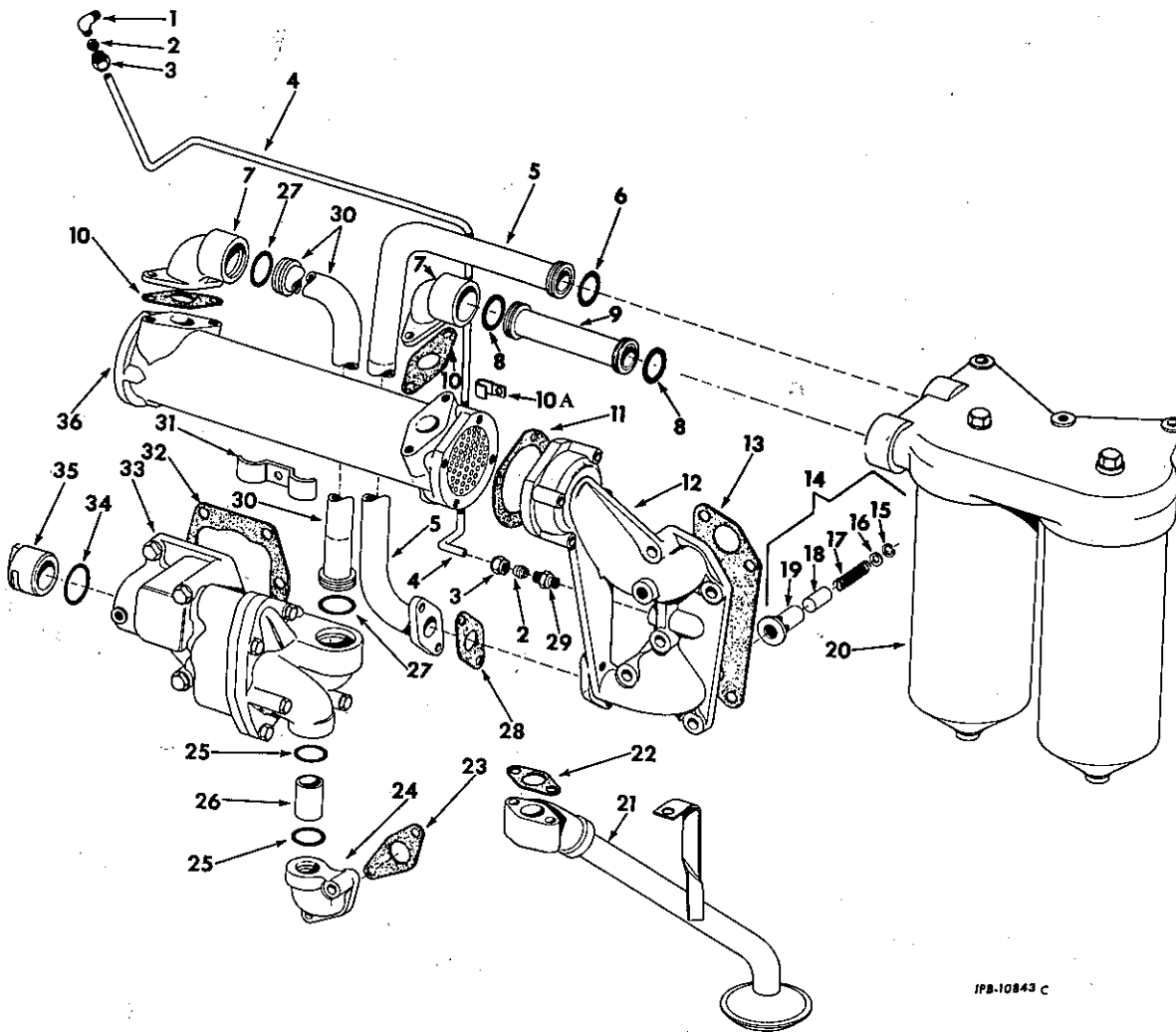
(DT-361)

ENGINE OIL COOLER, FILTER AND PUMP PIPING
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431

LUBRICATION SYSTEM

(DT-361)

ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431



IPB-10843 C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	278 099 R1	ELBOW, oil cooler rear header to cylinder head tube (at cylinder head)
2	278 040 R2	SLEEVE, oil cooler rear header to cylinder head tube (2)
3	278 041 R1	NUT, oil cooler rear header to cylinder head tube (2)
4	343 422 R1	TUBE, oil cooler rear header to cylinder head
5	341 256 R11	TUBE, oil filter header to oil cooler header

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	343 398 R2	"O" RING, oil filter header to oil cooler header tube (1-1/4 x 1-1/2 x 1/8")
7	332 554 R1 179 817 103 320	ELBOW, oil cooler (2) 5/16 x 7/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
8	343 398 R2	"O" RING, oil cooler header to oil filter tube (1-1/4 x 1-1/2 x 1/8") (2)
9	332 558 R11	TUBE, oil cooler to oil filter
10	332 555 R1	GASKET, oil cooler inlet and outlet flange (2)
10A	263 515 R91	CLIP, engine oil cooler rear header to cylinder head tube

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LUBRICATION SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED		
TD-15BPM 501 to 5383		
TD-15BGM 1759 to 5431		
TD-15BGAM 1759 to 5431		
TD-15BPSM 1759 to 5431		
11	337 242 R1	GASKET, rear oil cooler
12	332 556 R2	HEADER, pressure regulator valve and rear oil cooler
	179 839	3/8 x 1" hex-hd cap SCREW
	179 841	3/8 x 1-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	179 847	3/8 x 2" hex-hd cap SCREW
	179 848	3/8 x 2-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (5)
13	328 939 R1	GASKET, pressure regulator valve and rear oil cooler header (used with HEADER, 332 556 R1)
13	345 247 R1	GASKET, pressure regulator valve and rear oil cooler header (used with HEADER, 332 556 R2)
14	341 195 R92	VALVE ASSEMBLY, pressure regulating
15		RING, pressure regulating valve spring seat snap (Not Furnished Separately)
16		SEAT, pressure regulating valve spring (Not Furnished Separately)
17		SPRING, pressure regulating valve (Not Furnished Separately)
18		VALVE, pressure regulating (Not Furnished Separately)
19		HOUSING, pressure regulating valve (Not Furnished Separately)
20	345 436 R91	FILTER ASSEMBLY, lubricating oil (for components see list of parts under details of "Lubricating oil Filter")
	179 841	3/8 x 1-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
21	332 545 R91	INLET, oil pump
	18 253 R1	NUT, 3/8" stop
	179 837	3/8 x 3/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (2)
22	332 549 R1	GASKET, oil pump inlet
23	332 544 R1	GASKET, crankcase oil outlet elbow
24	332 543 R1	ELBOW, crankcase oil outlet
	179 839	3/8 x 1" hex-hd cap SCREW
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
25	343 396 R2	"O" RING, crankcase oil outlet to oil pump (1-1/8 x 1-3/8 x 1/8") (2)
26	332 542 R1	TUBE, crankcase oil outlet to oil pump
27	343 398 R2	"O" RING, oil pump to oil cooler tube (1-1/4 x 1-1/2 x 1/8") (2)
28	332 566 R1	GASKET, oil filter header to oil cooler header tube
29	278 039 R1	CONNECTOR, oil cooler rear header to cylinder head tube (at oil cooler rear header)
30	341 257 R11	TUBE, oil pump to oil cooler

LUBRICATION SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED		
TD-15BPM 501 to 5383		
TD-15BGM 1759 to 5431		
TD-15BGAM 1759 to 5431		
TD-15BPSM 1759 to 5431		
31	337 239 R1	CLIP, tube (2)
	19 839 R1	NUT, 5/16NF stop
	181 335	5/16NF x 11/16" hex-hd cap SCREW
32	332 536 R1	GASKET, oil pump mounting
33	332 520 R94	PUMP ASSEMBLY, oil (for components see list of parts under details of "Oil Pump")
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
34	382 781 R1	"O" RING, oil pump end plug (1-3/4 x 1-15/16 x 3/32")
35	337 240 R1	PLUG, oil pump end
	139 013	1/4 x 1/2" hex-soc-set SCREW
36	606 895 C91	COOLER, lubricating oil (optional with 606 896 C92)
36	606 896 C92	COOLER, lubricating oil (optional with 606 895 C91)
	447 264 R91	CLIP
	141 615	DRAIN, water
	444 624	PLUG, oil cooler pipe

LUBRICATION SYSTEM

(DT-361)

ENGINE OIL COOLER, FILTER AND PUMP PIPING

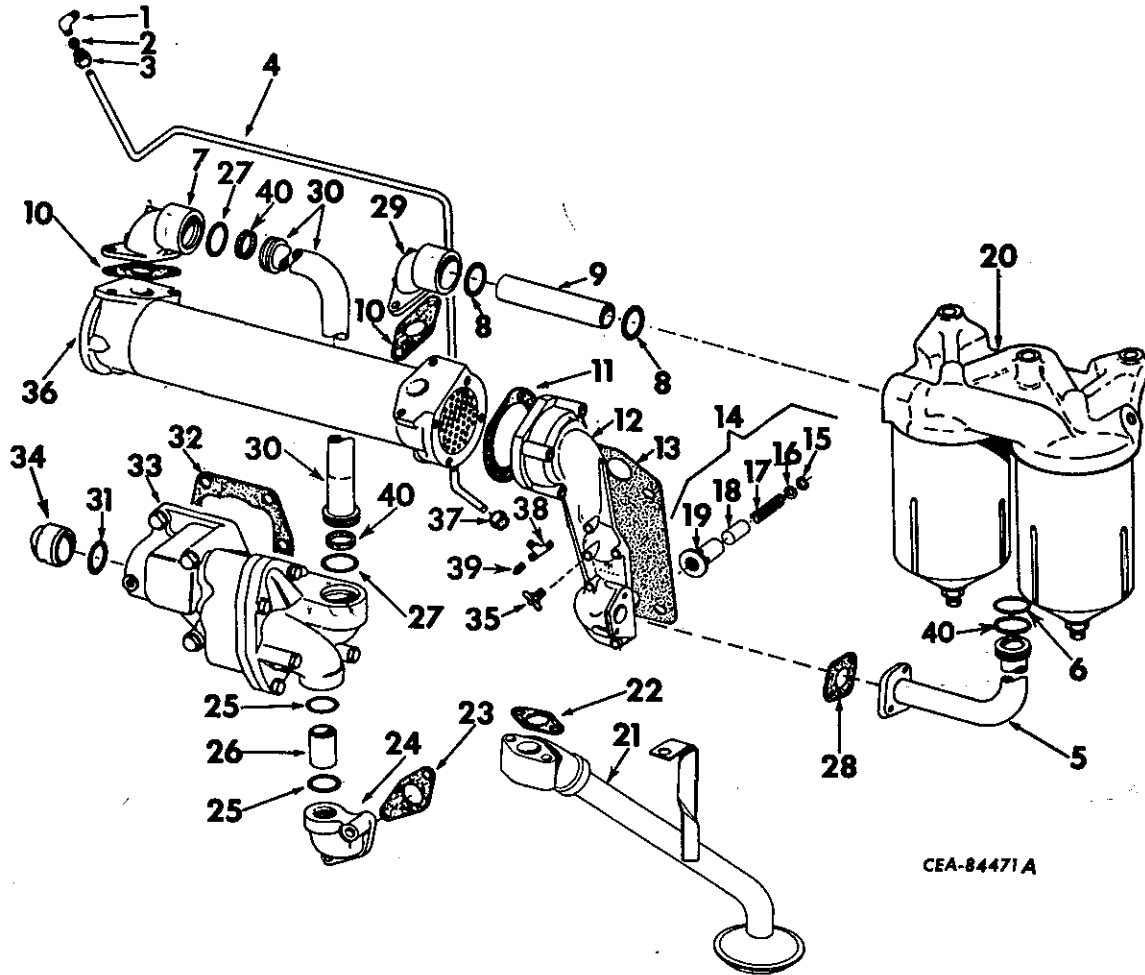
TD-15BPM 5384 up
 TD-15BGM 5432 up
 TD-15BGAM 5432 up
 TD-15BPSM 5432 up
 TD-15BGFM 5432 up
 TD-15BCSM 5432 up

LUBRICATION SYSTEM

(DT-361)

ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED

TD-15BPM 5384 up
 TD-15BGM 5432 up
 TD-15BGAM 5432 up
 TD-15BPSM 5432 up
 TD-15BGFM 5432 up
 TD-15BCSM 5432 up



CEA-84471A

REF. NO.	I.M. PART NUMBER	DESCRIPTION
1	606 894 C1	ORIFICE (brass) oil gallery to cylinder head tube
2	615 092 C1	SLEEVE (brass) oil gallery to cylinder head tube
3	615 091 C1	NUT (brass) oil gallery to cylinder head tube
4	607 265 C1	TUBE, oil gallery to cylinder head
5	332 564 R11 179 817 103 320	TUBE, filter header to rear cooler header 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)

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REF. NO.	I.M. PART NUMBER	DESCRIPTION
6	343 398 R2	"O" RING, filter header to cooler header tube (1-1/4 x 1-1/2 x 1/8")
7	332 554 R1 179 817 103 320	ELBOW, oil cooler front 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
8	343 396 R2	"O" RING, cooler to filter tube (1-1/8 x 1-3/8 x 1/8") (2)
9	607 264 C1	TUBE, cooler to filter

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LUBRICATION SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED		
TD-15BPM 5384 up		
TD-15 BGM 5432 up		
TD-15 BGAM 5432 up		
TD-15BPSM 5432 up		
TD-15BCFM 5432 up		
TD-15BCSM 5432 up		
10	332 555 R1	GASKET, oil cooler elbow (2)
11	337 242 R1	GASKET, oil cooler to header
12	607 263 C1	HEADER, pressure regulator valve and rear oil cooler
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	179 848	3/8 x 2-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (5)
13	345 247 R1	GASKET, cooler header
14	341 195 R92	VALVE ASSY, pressure regulating
15		RING, valve spring seat snap (Not Furnished Separately)
16		SEAT, valve spring (Not Furnished Separately)
17		SPRING, valve (Not Furnished Separately)
18		VALVE, pressure regulating (Not Furnished Separately)
19		HOUSING, valve (Not Furnished Separately)
20		FILTER ASSY, lubricating oil (for components see list of parts under details of "Lubricating Oil Filter")
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
21	332 545 R91	INLET, oil pump
	18 253 R1	NUT, 3/8" Esna stop
	179 837	3/8 x 3/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
22	332 549 R1	GASKET, oil pump inlet
23	332 544 R1	GASKET, oil outlet elbow
24	332 543 R1	ELBOW, crankcase oil outlet
	179 839	3/8 x 1" hex-hd cap SCREW
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
25	343 396 R2	"O" RING, oil outlet to pump tube (1-1/8 x 1-3/8 x 1/8") (2)
26	332 542 R1	TUBE, crankcase oil outlet to pump
27	343 398 R1	"O" RING, oil pump to oil cooler tube (1-1/4 x 1-1/2 x 1/8") (2)
28	332 566 R1	GASKET, filter header to rear cooler header tube
29	607 262 C1	ELBOW, oil cooler rear
	179 817	5/16 x 7/8" hex-hd cap SCREW
	179 825	5/16 x 1-7/8" hex-hd cap SCREW
	103 320	5/16" lock WASHER (2)
30	607 261 C11	TUBE w/two GLAND, 332 551 R1, pump to cooler
31	382 781 R1	"O" RING, oil pump end plug (1-3/4 x 1-15/16 x 3/32")
32	332 536 R1	GASKET, oil pump mounting

LUBRICATION SYSTEM

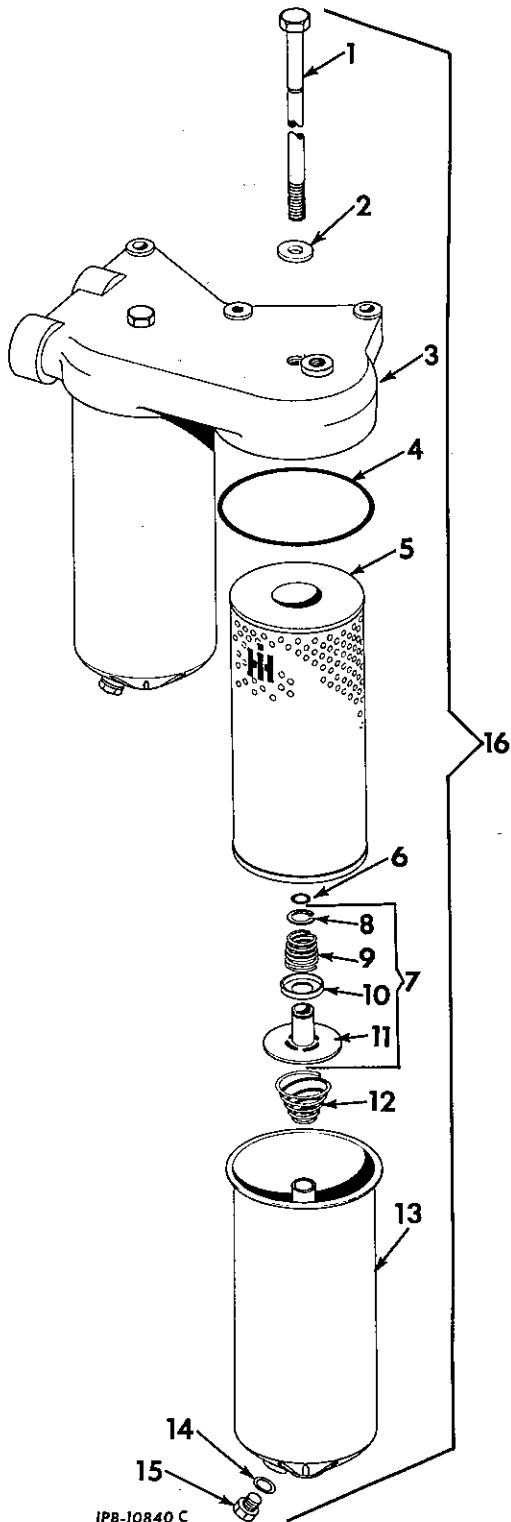
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED		
TD-15 BPM 5384 up		
TD-15 BGM 5432 up		
TD-15BGAM 5432 up		
TD-15BPSM 5432 up		
TD-15BGFM 5432 up		
TD-15BGSM 5432 up		
33	332 520 R94	PUMP ASSY, oil (for components see list of parts under details of "Oil Pump")
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8 lock WASHER (4)
34	337 240 R1	PLUG, oil pump end
	139 013	1/4 x 1/2" hex-soc set SCREW
35	9 982 T	COCK, 1/4" drain
36	606 896 C92	COOLER, oil
	444 624	PLUG, oil cooler pipe
37	19 984 R1	NUT, 1/4" nylon insert tube
38	16 898 R1	TEE
39	444 571	PLUG, 1/8" pipe
40	332 551 R1	GLAND, 1/8" "O" ring (2)

LUBRICATION SYSTEM

(DT-361)

LUBRICATING OIL FILTER
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431



LUBRICATION SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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LUBRICATING OIL FILTER - CONTINUED
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431

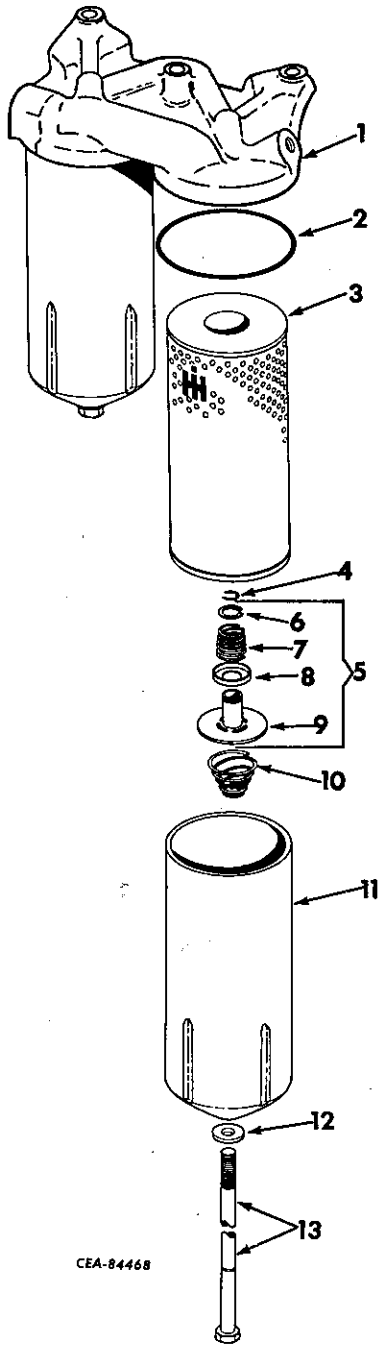
1	345 235 R1	BOLT, oil filter case retaining (used on units where filter case is bolted from bottom) (2) TD-15BPM 501 to 1076
1	345 440 R1	BOLT, oil filter case retaining (2) TD-15BPM 1077 to 5383 (2) TD-15BGM 1759 to 5431 (2) TD-15BGAM 1759 to 5431 (2) TD-15BPSM 1759 to 5431
2	59 657 D	WASHER, copper (2) TD-15BPM 501 to 1076
2	345 441 R1	WASHER, copper (2) TD-15BPM 1077 to 5383 (2) TD-15BGM 1759 to 5431 (2) TD-15BGAM 1759 to 5431 (2) TD-15BPSM 1759 to 5431
3	332 567 R2	HEADER, oil filter (order the following parts) TD-15BPM 501 to 1076 1 HEADER 345 437 R1 1 PACKAGE 345 450 R91 1 TUBE 345 451 R11 179 841 3/8 x 1-1/4" hex-hd cap SCREW 179 845 3/8 x 1-3/4" hex-hd cap SCREW (2) 103 321 3/8" lock WASHER (3)
3	345 437 R1	HEADER, oil filter TD-15BPM 1077 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431 179 841 3/8 x 1-1/4" hex-hd cap SCREW 179 845 3/8 x 1-3/4" hex-hd cap SCREW (2) 103 321 3/8" lock WASHER (3)
4	602 997 C1	GASKET, oil filter case (2)
5	602 998 C91	PACKAGE, oil filter element field service (consists of ELEMENT and GASKET, 602 997 C1) (2)
6	324 653 R1	RING, oil filter case retaining bolt seal (2)
7	332 579 R91	VALVE ASSY, by-pass (2)
8	154 665 R1	RETAINER, by-pass valve spring (2)
9	308 458 R1	SPRING, by-pass valve (2)
10	19 854 D	WASHER, by-pass valve (2)
11	332 580 R1	CUP, element seating (2)
12	308 422 R1	SPRING, element retainer (2)
13	345 438 R92	CASE, oil filter (together with PACKAGE, 345 450 R91 and TUBE, 345 451 R11, will work for 332 577 R11 and 332 577 R21) (2)
14	119 937	GASKET, drain plug (2)
15	445 078	PLUG, drain (2)
16	345 436 R91	FILTER ASSY, lubricating oil
	345 450 R91	PACKAGE, lubricating oil filter case field service TD-15BPM 501 to 1076 (Consists of - 2 BOLT 345 440 R1 2 CASE 345 438 R92 2 GASKET 119 937 1 PAMPHLET, oil filter header reworking 1 019 156 R1 2 PLUG 445 078 2 RING 324 653 R1 2 WASHER 345 441 R1)

LUBRICATION SYSTEM

(DT-361)

LUBRICATING OIL FILTER

- TD-15BPM 5384 up
- TD-15BGM 5432 up
- TD-15BGAM 5432 up
- TD-15BFPM 5432 up
- TD-15BGFPM 5432 up
- TD-15BGSM 5432 up



LUBRICATION SYSTEM

(DT-361)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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LUBRICATING OIL FILTER - CONTINUED

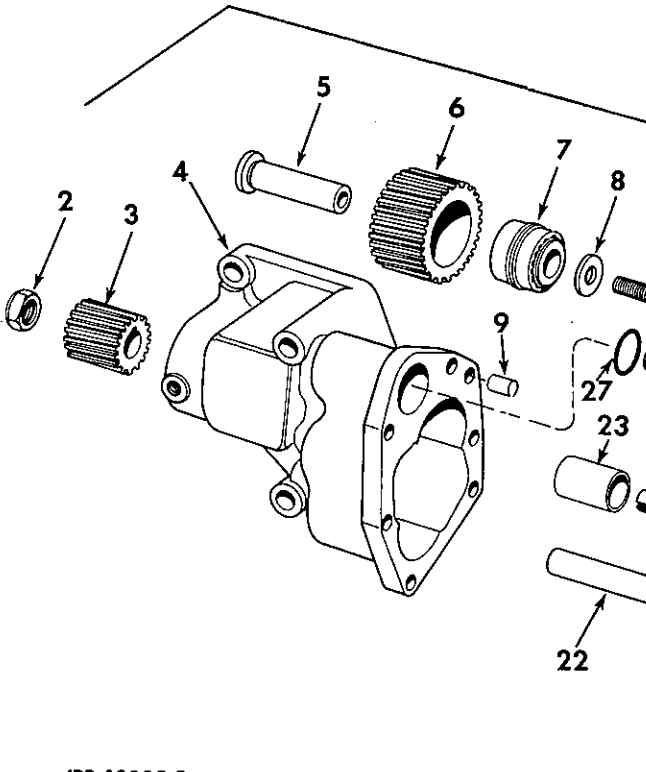
- TD-15BPM 5384 up
- TD-15 BGM 5432 up
- TD-15BGAM 5432 up
- TD-15BFPM 5432 up
- TD-15BGFPM 5432 up
- TD-15BGSM 5432 up

1	607 266 C11 445 686	HEADER w/PLUG, 103 879, oil filter PLUG, 3/8" sq-hd pipe
2	304 854 R1	GASKET, oil filter case (2)
3	323 827 R91	PACKAGE, oil filter element field service (consists of ELEMENT and GASKET, 304 854 R1) (2)
4	324 653 R1	RING, retaining (2)
5	312 887 R91	VALVE ASSY, by-pass (2)
6	154 665 R1	RETAINER, by-pass valve spring (2)
7	308 458 R1	SPRING, by-pass valve (2)
8		VALVE, by-pass (order 312 887 R91) (2)
9		CUP, element sealing (order 312 887 R91) (2)
10	308 422 R1	SPRING, oil filter element retaining (2)
11	349 077 R91	CASE w/WASHER, oil filter (2)
12	59 657 D	WASHER, copper (2)
13	345 237 R1	BOLT, oil filter case retaining (2)

LUBRICATION SYSTEM

(DT-361)

LUBRICATING OIL PUMP



IPB-10839 C

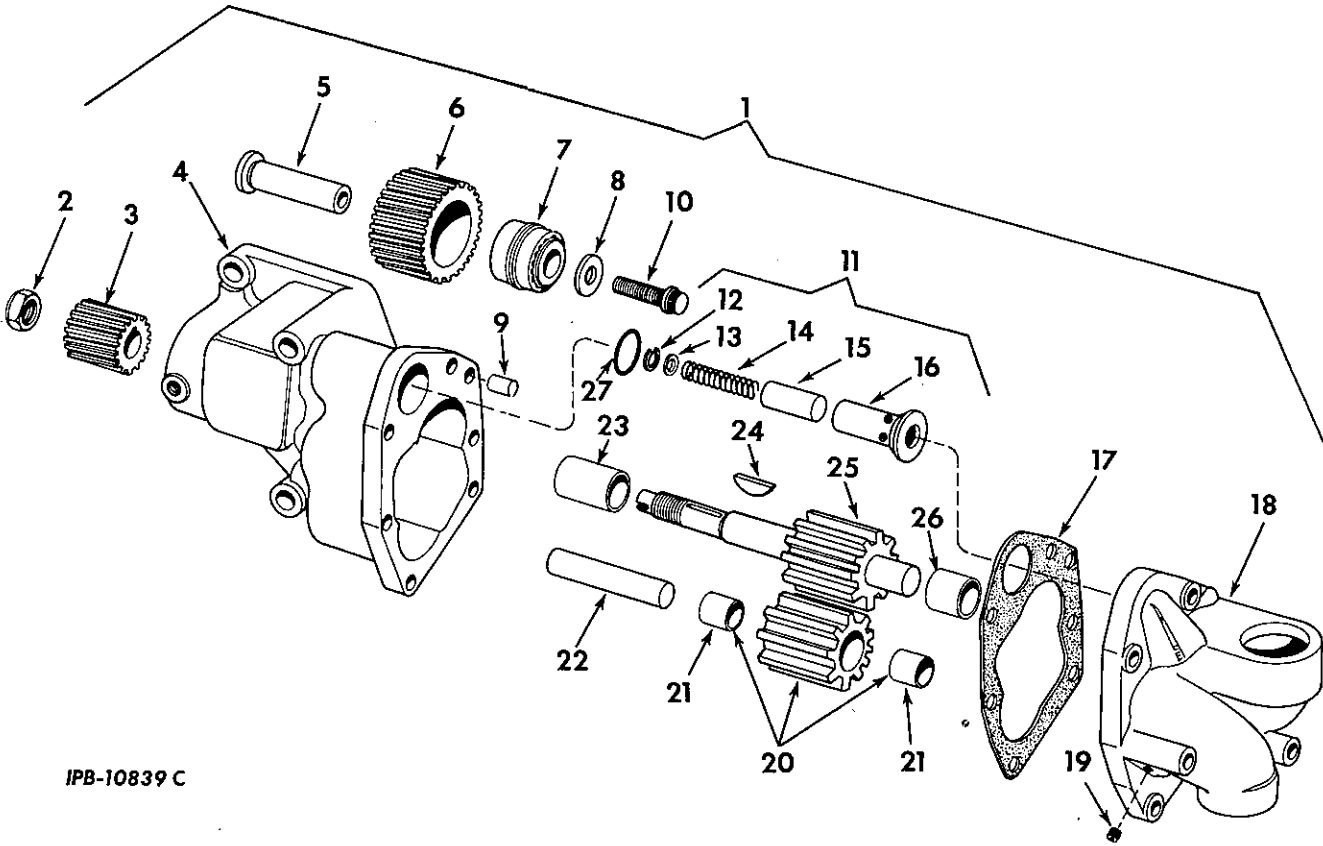
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	332 520 R94 179 840 186 283 103 321	PUMP ASSEMBLY, lubricating oil 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8 x 3-1/2" hex-hd cap SCREW (2) 3/8" lock WASHER (4)
2	19 263 R1	NUT, 5/8NF Esna
3	332 523 R1	GEAR, oil pump drive
4	332 521 R11	BODY w/BUSHING 345 291 R1, SHAFT, 332 524 R1 and PIN, 19 841 R1, oil pump
5	332 528 R1	SHAFT, oil pump drive idler
6	332 529 R1	GEAR, oil pump drive idler
7	347 299 R91	BEARING ASSEMBLY
8	332 530 R1	WASHER, shaft
9	19 841 R1	PIN, 1/4 x 1/2" dowel
10	338 774 R2	BOLT, 3/8NF x 1-1/4" (12 pt)
11	345 161 R91	VALVE ASSEMBLY, relief
12		RING, relief valve spring seat snap (not furnished separately)
13		SEAT, relief valve spring (not furnished separately)
14		SPRING, relief valve (not furnished separately)

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LUBRICATION SYSTEM

(DT-361)

LUBRICATING OIL PUMP - CONTINUED



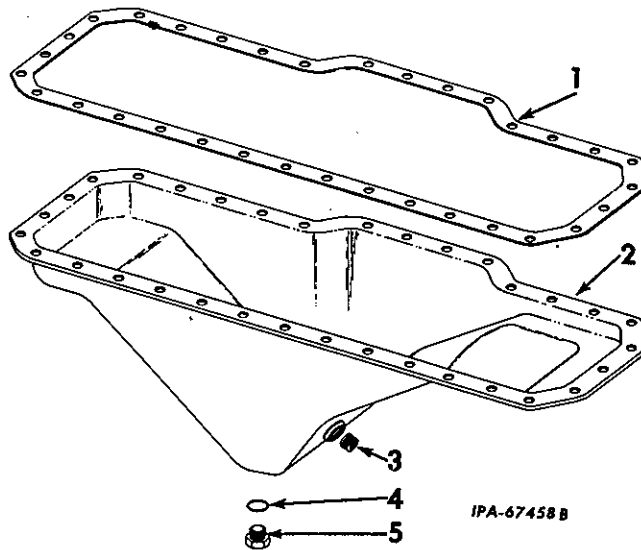
REF. NO.	I.H. PART NUMBER	DESCRIPTION
15		BODY, relief valve (not furnished separately)
16		HOUSING, relief valve (not furnished separately)
17	601 381 C1	GASKET, oil pump
18	332 527 R21 179 819 179 828 179 830 186 270 103 320	COVER, w/BUSHING, 345 292 R1 and PLUG, 9 409 954, oil pump 5/16 x 1-1/8" hex-hd cap SCREW (3) 5/16 x 2-1/2" hex-hd cap SCREW 5/16 x 3" hex-hd cap SCREW 5/16 x 3-1/2" hex-hd cap SCREW 5/16" lock WASHER (6)
19	9 409 954	PLUG, 1/16" hex-soc pipe
20	326 767 R21	GEAR w/two BUSHING, 326 768 R1, oil pump idler
21	326 768 R1	BUSHING, idler gear (2)
22	332 524 R1	SHAFT, idler gear
23	345 291 R1	BUSHING, drive shaft (body end)
24	124 545	KEY, 1/8 x 5/8" Woodruff
25	332 522 R12	SHAFT w/GEAR, oil pump drive
26	345 292 R1	BUSHING, drive shaft (cover end)
27	349 055 R2	"O" RING, relief valve (13/16 x 1 x 3/32") (used with VALVE, 345 161 R91)

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LUBRICATION SYSTEM
 (DT-36i)

-83-
MEMORANDA

CRANKCASE OIL PAN



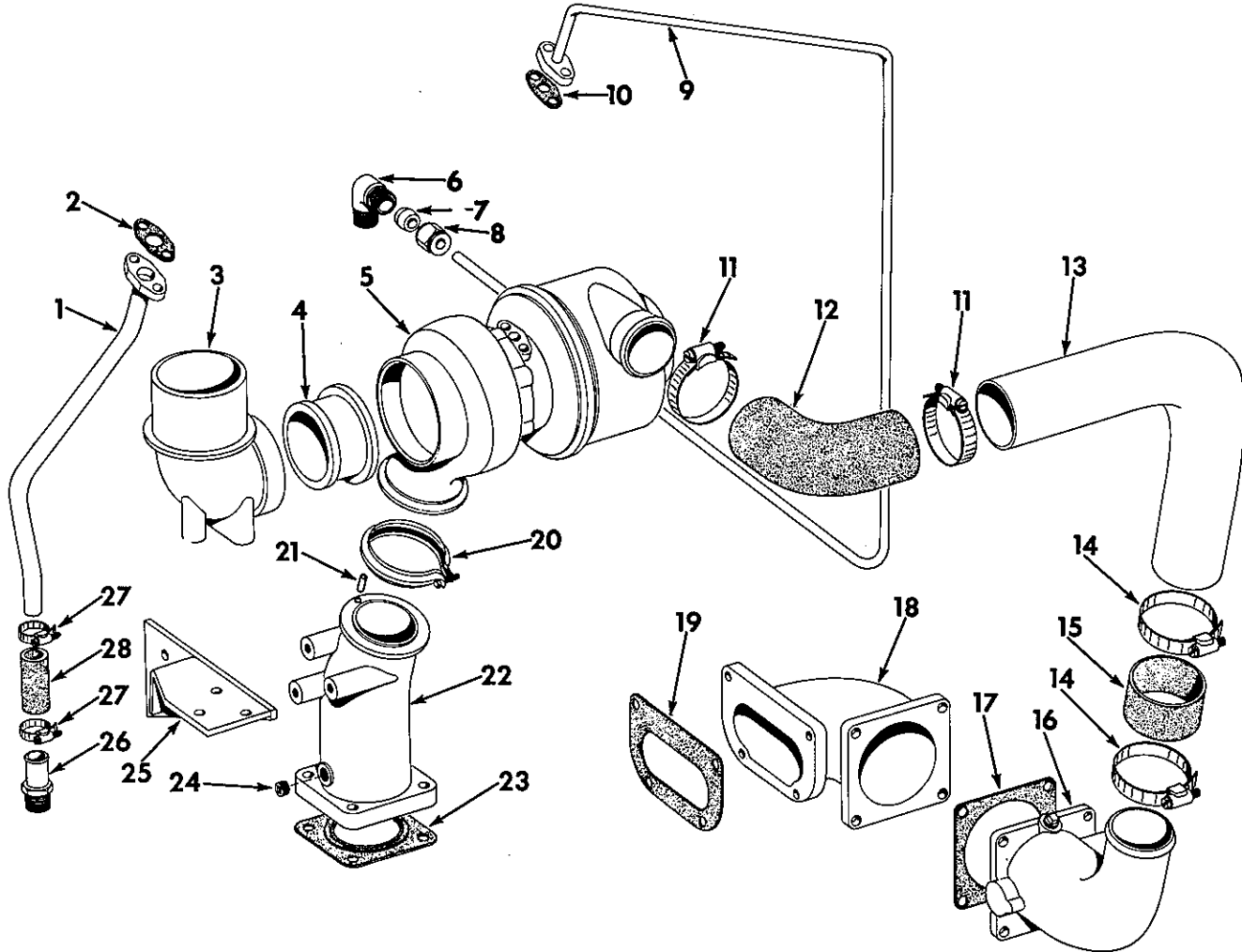
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	328 731 R1	GASKET, crankcase oil pan
2	332 065 R11	PAN w/GASKET, 3 405 H, PLUG, 444 880 and PLUG, 445 096, crankcase oil
	179 838	3/8 x 7/8" hex-hd cap SCREW (33)
	103 321	3/8" lock WASHER (33)
3	444 880	PLUG, 3/4" pipe (brs) (optional with 9 409 949)
3	9 409 949	PLUG, 3/4" pipe (stl) (optional with 444 880)
4	59 658 D	GASKET, crankcase oil pan drain plug
5	445 096	PLUG, crankcase oil pan drain

TURBOCHARGER

(DT-361)

TURBOCHARGER AND PIPING

(Airesearch)
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431



IPA-67859 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	341 462 R11	TUBE, turbocharger oil drain TD-15BPM 501 to 3538 TD-15BGM 1759 to 3538 TD-15BGAM 1759 to 3538 TD-15BPSM 1759 to 3538
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
1	349 347 R11	TUBE, turbocharger oil drain TD-15BPM 3539 to 5383 TD-15BGM 3539 to 5431 TD-15BGAM 3539 to 5431 TD-15BPSM 3539 to 5431
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
2	341 464 R1	GASKET, turbocharger oil drain flange

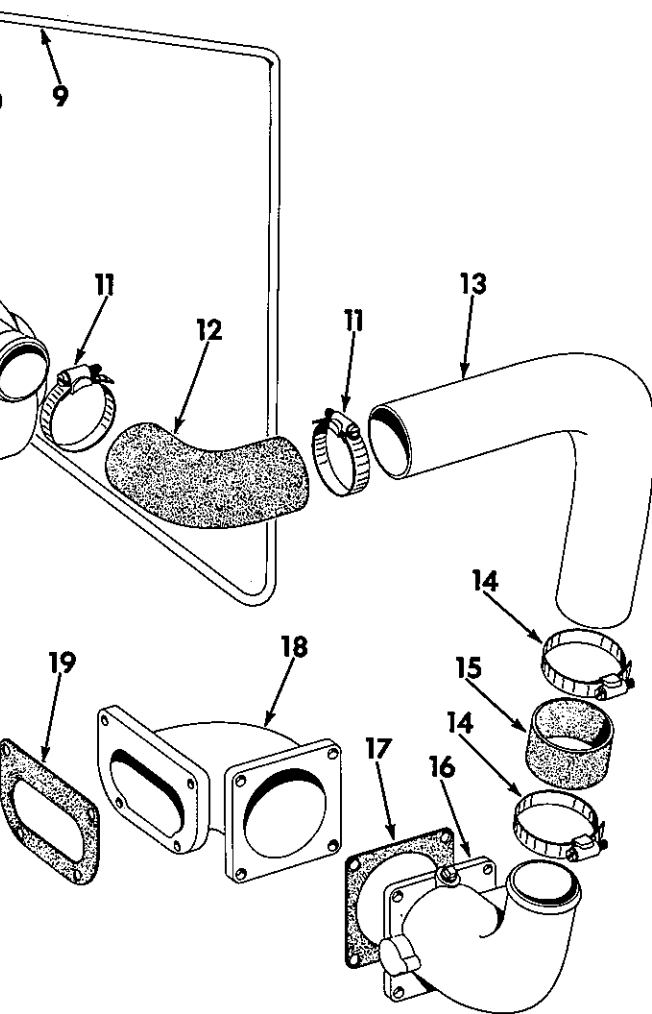
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TURBOCHARGER

(DT-361)

TURBOCHARGER AND PIPING - CONTINUED

(Airesearch)
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BGAM 1759 to 5431
 TD-15BPSM 1759 to 5431



REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	337 109 R1	ELBOW, exhaust stack TD-15BPM 501 to 3833 TD-15BGM 1759 to 3833
3	601 182 C1	ELBOW, exhaust stack TD-15BPM 3834 to 5383 TD-15BGM 3834 to 5431 TD-15BGAM 3834 to 5431 TD-15BPSM 3834 to 5431
4	341 223 R1	SLEEVE, turbocharger
5	306 354 R2	TURBOCHARGER (for components see list of parts under details of "Turbocharger")
	103 321	SCREW, 3/8 x 7/8" (12 pt-hd) (4) 3/8" lock WASHER (4)

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TURBOCHARGER

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
<u>TURBOCHARGER AND PIPING - CONTINUED</u> (Airesearch)		
		TD-15BPM 501 to 5383
		TD-15BGM 1759 to 5431
		TD-15BGAM 1759 to 5431
		TD-15BPSM 1759 to 5431
6	336 014 R1	ELBOW
7	277 741 R2	SLEEVE, tube
8	277 742 R1	NUT, tube
9	341 459 R11	TUBE, turbocharger oil inlet TD-15BPM 501 to 1076
9	345 451 R11	TUBE, turbocharger oil inlet TD-15BPM 1077 to 5383 TD-15BGM 1759 to 5431 TD-15BGAM 1759 to 5431 TD-15BPSM 1759 to 5431
10	341 461 R1	GASKET, turbocharger oil supply
11	279 026 R91	CLAMP, turbocharger air outlet elbow hose (2)
12	337 093 R1	ELBOW, turbocharger air outlet
13	337 107 R1	TUBE, turbocharger to air shut-off
14	279 028 R91	CLAMP, hose (2)
15	345 344 R1	HOSE, turbocharger air outlet
16	337 106 R11	ELBOW w/two PLUG, 103 878, air intake upper
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
17	334 035 R1	GASKET, air intake elbow
18	337 094 R1	ELBOW, air intake
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	446 370	3/8" copper WASHER (4)
19	327 755 R1	GASKET, air intake elbow
20	336 417 R91	COUPLING
21	17 172 R1	PIN, 1/8 x 7/16" roll
22	337 110 R11	ADAPTER w/PIN, 17 172 R1, exhaust manifold to turbocharger
	253 665 R1	NUT, 3/8NF Esna (4)
23	327 761 R1	GASKET, turbocharger adapter
24	444 860	PLUG, 1/4" pipe
25	337 115 R91	BRACKET, exhaust stack elbow
	310 427 R1	BOLT, 3/8 x 1" (stainless steel) (6)
	113 934 H	WASHER (6)
26	343 750 R1	CONNECTOR, hose
27	122 316 R91	CLAMP, turbocharger oil drain hose (2)
28	336 681 R1	HOSE, turbocharger oil drain
	69 746 D	CLIP, oil line (2) TD-15BPM 501 to 2199 (2) TD-15BGM 1759 to 2199 (2) TD-15BGAM 1759 to 2199
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

TURBOCHARGER

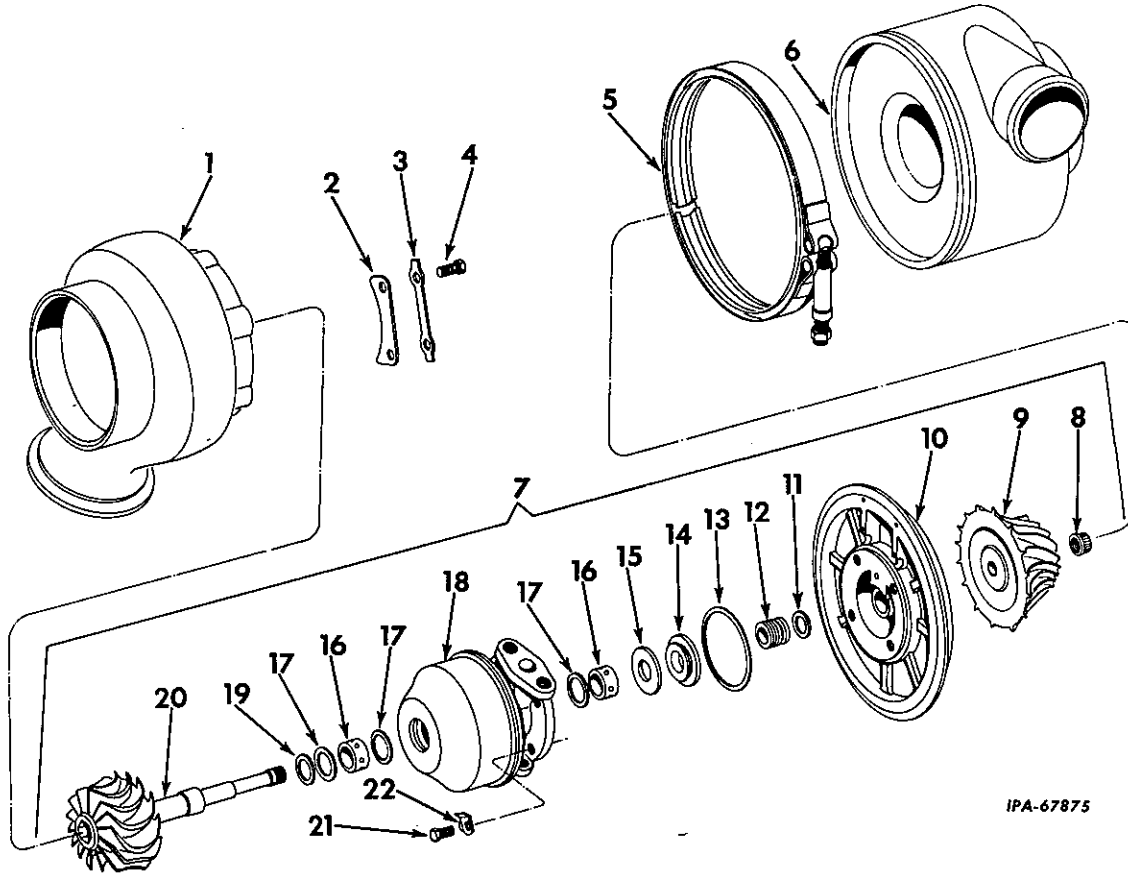
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
<u>TURBOCHARGER AND PIPING - CONTINUED</u> (Airesearch)		
		TD-15BPM 501 to 5383
		TD-15BGM 1759 to 5431
		TD-15BGAM 1759 to 5431
		TD-15BPSM 1759 to 5431
		264 196 R91 CLIP, turbocharger oil inlet tube TD-15BPM 501 to 2199 TD-15BGM 1759 to 2199 TD-15BGAM 1759 to 2199
		349 268 R2 CLIP, turbocharger oil inlet tube lower TD-15BPM 2200 to 5383 TD-15BGM 2200 to 5431 TD-15BGAM 2200 to 5431
		349 269 R1 CLIP, turbocharger oil inlet tube upper TD-15BPM 2200 to 5383 TD-15BGM 2200 to 5431 TD-15BGAM 2200 to 5431
		103 878 PLUG, pipe (2)

TURBOCHARGER

(DT-361)

TURBOCHARGER
(Airesearch)
TD-15BPM 501 to 5383
TD-15BGM 1759 to 5431
TD-15BGAM 1759 to 5431
TD-15BPSM 1759 to 5431



IPA-67875

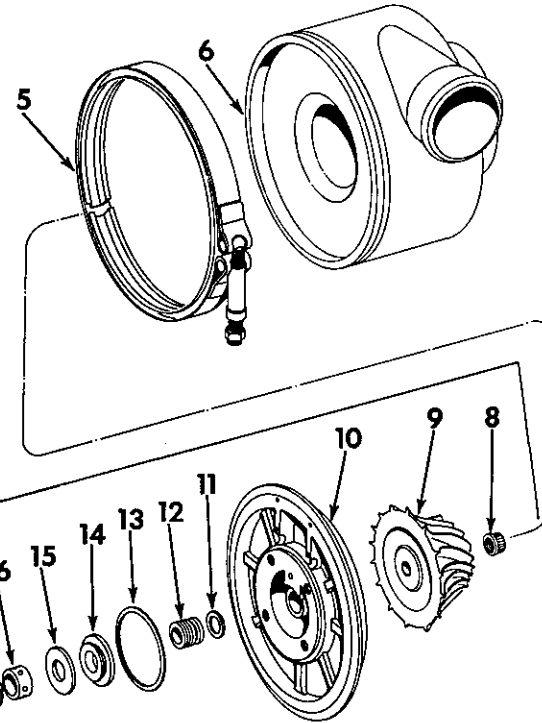
REF. NO.	I.H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for both turbochargers listed below: Letters A and B are used to identify separate turbochargers.		
A	343 607 R91	TURBOCHARGER ASSY (order Turbocharger 606 052 C91) (40528-1) TD-15BPM 501 to 2834 TD-15BGM 1759 to 2834 TD-15BGAM 1759 to 2834 TD-15BPSM 1759 to 2834
B	606 052 C91	TURBOCHARGER ASSY (406360-1) TD-15BPM 2835 to 5383 TD-15BGM 2835 to 5431 TD-15BGAM 2835 to 5431 TD-15BPSM 2835 to 5383
1	343 839 R1	HOUSING, turbine (Turbocharger A)
1	606 060 C1	HOUSING, turbine (Turbocharger B)
2	343 841 R1	CLAMP, housing (3)
3	343 840 R1	PLATE, lock (3)

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TURBOCHARGER

(DT-361)

TURBOCHARGER - CONTINUED
(Airesearch)
TD-15BPM 501 to 5383
TD-15BGM 1759 to 5431
TD-15BGAM 1759 to 5431
TD-15BPSM 1759 to 5431



REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	179 812	SCREW, 5/16 x 1/2" hex-hd cap (6)
5	343 838 R91	CLAMP, v-band
6	343 837 R91	HOUSING, compressor (Turbocharger A)
6	606 059 C91	HOUSING, compressor (Turbocharger B)
7	343 842 R91	ROTATING ASSY, housing (Turbocharger A)
7	606 061 C91	ROTATING ASSY, housing (Turbocharger B)
8	347 044 R1	NUT, 3/8NF impeller
9	347 045 R1	WHEEL, impeller (Turbocharger A)
9	606 063 C1	WHEEL, impeller (Turbocharger B)
10	343 845 R91	PLATE, back
11	321 379 R1	RING, piston
12	347 046 R1	SPACER, thrust

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TURBOCHARGER

MEMORANDA

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TURBOCHARGER - CONTINUED
 (Airesearch)
 TD-15BPM 501 to 5383
 TD-15BGM 1759 to 5431
 TD-15BCAM 1759 to 5431
 TD-15BPSM 1759 to 5431

13	343 847 R1	RING, plate seal
14	347 047 R1	COLLAR, thrust
15	343 848 R1	BEARING, inboard thrust
16	343 850 R1	BEARING, shaft (2)
17	382 234 R1	RING, retaining (3)
18	702 148 C1	HOUSING, rotating
19	343 844 R1	RING, piston seal
20	347 048 R91	WHEEL and SHAFT, turbine (Turbocharger A)
20	606 064 C91	WHEEL and SHAFT, turbine (Turbocharger B)
21	179 793	SCREW, 1/4 x 5/8" hex-hd cap (4)
22	343 846 R1	PLATE, bolt lock (4)
	343 843 R91	WHEEL ASSY, rotating (Turbocharger A) (Composed of -
	1	COLLAR 347 047 R1
	1	NUT 347 044 R1
	1	SPACER 347 046 R1
	1	WHEEL 347 045 R1
	1	WHEEL and SHAFT 347 048 R91)
	606 062 C91	WHEEL ASSY, rotating (Turbocharger B) (Composed of -
	1	COLLAR 347 047 R1
	1	NUT 347 044 R1
	1	SPACER 347 046 R1
	1	WHEEL 606 063 C1
	1	WHEEL and SHAFT 606 064 C91)

TURBOCHARGER

(DT-361)

TURBOCHARGER AND PIPING (Solar)

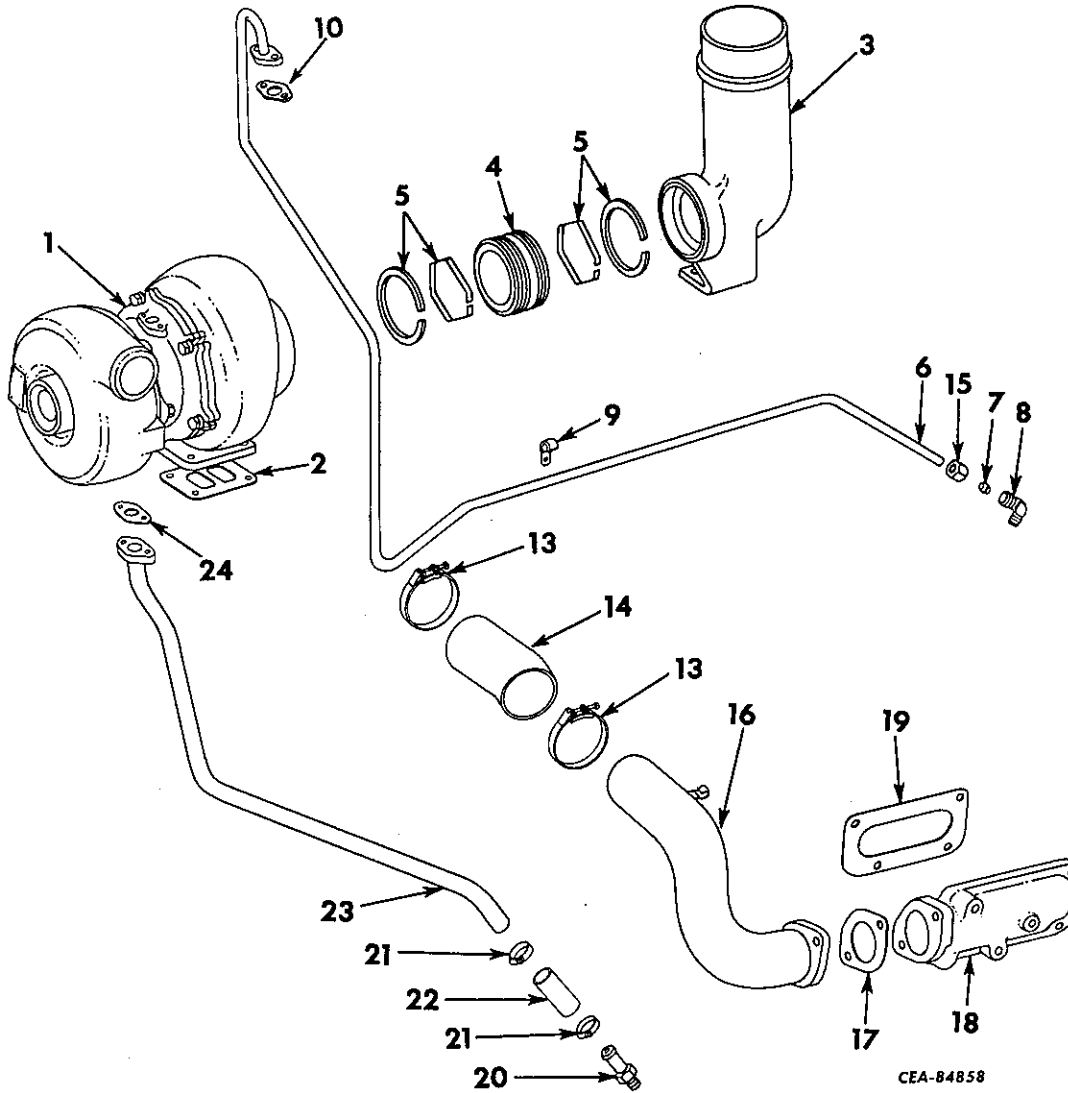
- TD-15BPM 5384 to 7706
- TD-15BGM 5432 to 7731
- TD-15BGAM 5432 to 7731
- TD-15BPSM 5432 to 7706
- TD-15BGFM 5432 to 7731

TURBOCHARGER

(DT-361)

TURBOCHARGER AND PIPING - CONTINUED (Solar)

- TD-15BPM 5384 to 7706
- TD-15BGM 5432 to 7731
- TD-15BGAM 5432 to 7731
- TD-15BPSM 5432 to 7706
- TD-15BGFM 5432 to 7731



REF. NO.	I.M. PART NUMBER	DESCRIPTION
1		TURBOCHARGER ASSY (For components see list of parts under details of "Turbocharger")
	304 451 R1	NUT, 3/8NF (4)
	181 371	3/8NF x 1-3/8" hex-hd cap SCREW (4)
2	304 391 R1	GASKET, turbocharger

REF. NO.	I.M. PART NUMBER	DESCRIPTION
3	609 116 C1	ELBOW, turbocharger exhaust outlet (Order the following parts -
	1	ADAPTER 670 088 C1
	1	ELBOW 670 049 C1
	4	3/8NF x 2" hex-hd cap SCREW)
	304 451 R1	NUT, 3/8NF (4)
	181 371	3/8NF x 1-3/8" hex-hd cap SCREW (4)

TURBOCHARGER
(DT-36)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TURBOCHARGER AND PIPING - CONTINUED
(Solar)

TD-15BPM 5384 to 7706
 TD-15BGM 5432 to 7731
 TD-15BGAM 5432 to 7731
 TD-15BPSM 5432 to 7706
 TD-15BGFM 5432 to 7731

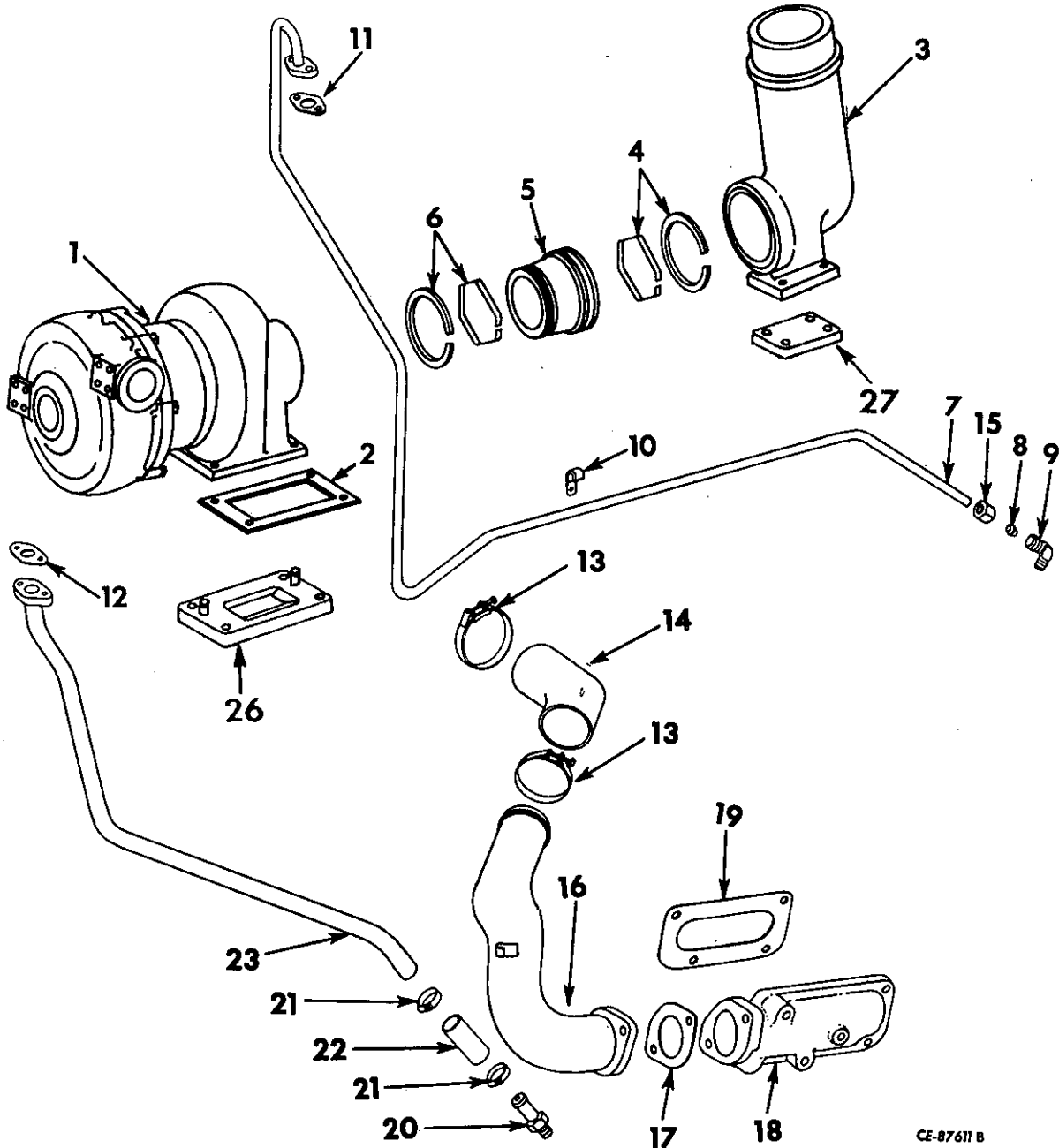
3	670 049 C1 179 847	ELBOW, exhaust outlet (Together w/ ADAPTER, 670 088 C1 and four 3/8NF x 2" hex-hd cap SCREW, will work for ELBOW, 609 116 C1) 3/8NF x 2" hex-hd cap SCREW (4)
4	607 283 C1	SLEEVE, turbocharger exhaust
5	606 918 C91	SEAL w/RING, turbocharger exhaust sleeve (2)
6	609 119 C11 179 839 103 321	TUBE, turbocharger oil inlet 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
7	277 741 R2	SLEEVE, tube
8	336 014 R1	ELBOW
9	363 487 R1	CLIP, oil inlet tube
10	253 660 R1	GASKET, flange
13	279 038 R91	CLAMP (2)
14	609 118 C1	ELBOW, turbocharger air outlet
15	277 742 R1	NUT, tube
16	609 117 C11 179 858 103 322	TUBE, turbocharger air outlet 7/16 x 1" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
17	369 497 R2	GASKET, flange
18	607 286 C11 179 839 186 282 103 321 444 577	ELBOW w/two PLUG, 444 577, air intake 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 3-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2) PLUG, 1/4" sq-hd pipe (2)
19	327 755 R1	GASKET, elbow
20	343 750 R1	CONNECTOR, hose
21	122 316 R91	CLAMP, hose (2)
22	336 681 R1	HOSE, turbocharger oil drain
23	607 284 C11 179 839 103 321	TUBE, turbocharger oil drain 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
24	341 464 R1	GASKET, flange
	253 660 R1	GASKET, oil run-in screen (*)

TURBOCHARGER

(DT-36I)

TURBOCHARGER AND PIPING - CONTINUED

(Schwitzer)
 TD-15BPM 7707 up
 TD-15BGM 7732 up
 TD-15BGAM 7732 up
 TD-15BPSM 7707 up
 TD-15BGF 7732 up
 TD-15BGSM 7732 up



CE-87611 B

TURBOCHARGER

(DT-36I)

TURBOCHARGER AND PIPING

(Schwitzer)
 TD-15BPM 7707 up
 TD-15BGM 7732 up
 TD-15BGAM 7732 up
 TD-15BPSM 7707 up
 TD-15BGF 7732 up
 TD-15BGSM 7732 up

TURBOCHARGER (DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TURBOCHARGER AND PIPING - CONTINUED

(Schwitzer)

TD-15BPM 7707 up
 TD-15BGM 7732 up
 TD-15BGAM 7732 up
 TD-15BPSM 7707 up
 TD-15BGFM 7732 up
 TD-15BGSM 7732 up

1	702 277 C91	TURBOCHARGER ASSY (Model 3LD-229) (For components see list of parts under details of "Turbocharger")
	304 451 R1	3/8NF NUT (4)
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (4)
2	670 035 C1	GASKET, turbocharger
3	670 049 C1	ELBOW, turbocharger exhaust outlet
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (±)
	304 451 R1	3/8NF NUT (4)
4	606 918 C91	SEAL w/RING, turbocharger exhaust sleeve
5	670 036 C1	SLEEVE, turbocharger exhaust
6	615 710 C1	SEAL w/RING, turbocharger exhaust sleeve
7	670 052 C11	TUBE, turbocharger oil inlet
	179 818	5/16 x 1" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
8	277 737 R1	SLEEVE, tube
9	277 743 R1	ELBOW
10	670 043 C1	CLIP, oil inlet tube
11	253 660 R1	GASKET, flange
12	341 464 R1	GASKET, flange
13	279 027 R91	CLAMP, hose (2)
14	670 053 C1	ELBOW, turbocharger air outlet (regular)
14	670 066 C1	ELBOW, turbocharger air outlet (‡)
15	277 738 R1	NUT, tube
16	670 050 C11	TUBE ASSY, turbocharger air outlet
	179 858	7/16 x 1" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
17	369 497 R2	GASKET, air outlet tube
18	607 286 C11	ELBOW w/two PLUG, 444 577, air intake
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
	444 577	PLUG, 1/4" sq-hd pipe (2)
19	327 755 R1	GASKET, air intake elbow
20	343 750 R1	CONNECTOR, hose
21	122 316 R91	CLAMP, hose (2)
22	336 681 R1	HOSE, turbocharger oil drain (3/4" ID x 2-1/4" long)
23	670 037 C11	TUBE ASSY, turbocharger oil drain
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

TURBOCHARGER (DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TURBOCHARGER AND PIPING - CONTINUED

(Schwitzer)

TD-15BPM 7707 up
 TD-15BGM 7732 up
 TD-15BGAM 7732 up
 TD-15BPSM 7707 up
 TD-15BGFM 7732 up
 TD-15BGSM 7732 up

26	670 063 C11	ADAPTER w/two STUD, 12 215 D, turbocharger
	619 471 C1	NUT w/WASHER (2)
	103 026	3/8NF NUT (8)
	181 379	3/8NF x 2" hex-hd cap SCREW (6)
	181 377	3/8NF x 1-3/4" hex-hd cap SCREW (2)
27	670 088 C1	ADAPTER, turbocharger exhaust elbow
	670 063 C11	ADAPTER, turbocharger (‡)
	670 065 C1	HOSE, air intake (‡)
	304 391 R2	GASKET, adapter (‡)
	12 215 D	STUD, turbocharger adapter (2)

(‡) - Furnished As Part of Conversion KIT,
670 061 C92.

TURBOCHARGER

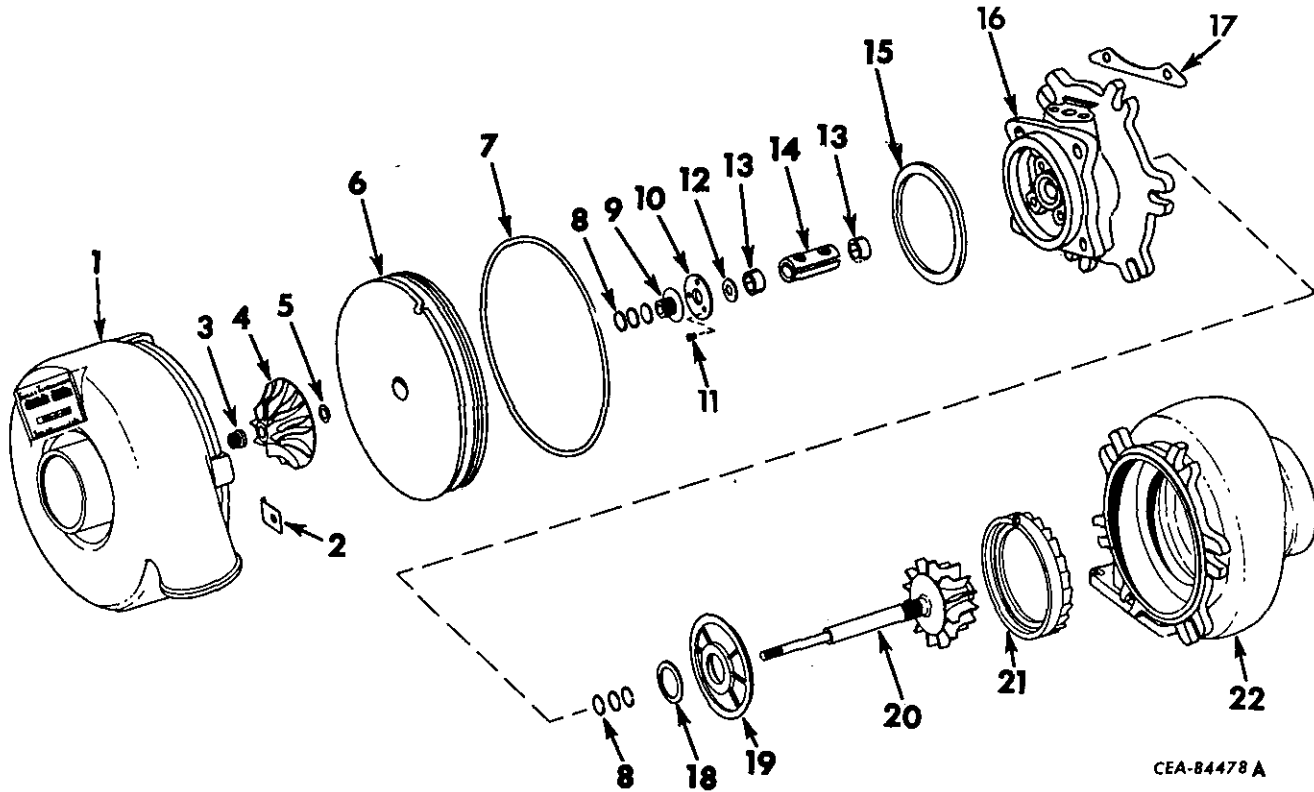
(DT-361)

TURBOCHARGER
 (Solar)
 (Model TC-3B)
 TD-15BPM 5384 to 7706
 TD-15BGM 5432 to 7731
 TD-15BGAM 5432 to 7731
 TD-15BPSM 5432 to 7706
 TD-15BGF M 5432 to 7731

TURBOCHARGER

(DT-361)

TURBOCHARGER - CONTINUED
 (Solar)
 (Model TC-3B)
 TD-15BPM 5384 to 7706
 TD-15BGM 5432 to 7731
 TD-15BGAM 5432 to 7731
 TD-15BPSM 5432 to 7706
 TD-15BGF M 5432 to 7731



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REF. NO.	I.H. PART NUMBER	DESCRIPTION
	900 173 C91	TURBOCHARGER ASSY (Order CONVERSION KIT, 670 061 C92) (Consists of the following parts -
1	900 240 C91 109 084 900 107 C1	HOUSING, compressor 1/4" NUT (4) WASHER, 1/4" lock (4)
2	900 276 C1	RETAINER, compressor housing (4)
3	900 250 C1	NUT, wheel lock
4	900 249 C1	WHEEL, compressor
5	900 270 C1 900 269 C1 900 268 C1	SHIM, compressor wheel (.002") (X) SHIM, compressor wheel (.005") (X) SHIM, compressor wheel (.010") (X)
6	900 267 C91 109 084 900 107 C1	HOUSING, compressor seal 1/4" NUT (4) WASHER, 1/4" lock (4)
7	900 258 C1	"O" RING, compressor seal housing

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	900 255 C1	RING, piston type seal (6)
9	900 247 C1	SLINGER, seal
10	900 254 C91	BEARING, thrust
11	900 021 C1	SCREW, thrust bearing (3)
12	900 246 C1	WASHER, thrust ring
13	900 256 C1	BEARING, core housing (2)
14	900 257 C1	SPACER, housing bearing
15	900 259 C1	GASKET, compressor seal housing
16	900 234 C91 900 277 C1 179 820 103 340	HOUSING w/SLEEVE, bearing support NUT, turbine housing lock (6) 5/16 x 1-1/4" hex-hd cap SCREW (6) 11/32 x 11/16 x 16 ga WASHER (6)
17	900 275 C1	PLATE, housing lock (3)
		X- As Required

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TURBOCHARGER

MEMORANDA

(DT-36f)

REF. NO.	I.N. PART NUMBER	DESCRIPTION
TURBOCHARGER (Solar) (Model TC-3B) TD-15BPM 5384 to 7706 TD-15BGM 5432 to 7731 TD-15BGAM 5432 to 7731 TD-15BPSM 5432 to 7706 TD-15BGFM 5432 to 7731		
18	900 273 C1	SHIM, nozzle ring and backplate (.005") (X)
18	900 272 C1	SHIM, nozzle ring and backplate (.010") (X)
18	900 271 C1	SHIM, nozzle ring and backplate (.020") (X)
19	900 261 C1	BACKPLATE, turbine
20	900 245 C91	SHAFT AND WHEEL, turbine
21	900 263 C1	RING, turbine nozzle
22	900 230 C1	HOUSING, turbine
	900 304 C91	CORE ASSY, replaceable (order CONVERSION KIT, 670 061 C92)
	670 061 C92	KIT, turbo conversion (Solar to Schwitzer) TD-15BPM 5384 to 7706 TD-15BGM 5432 to 7731 TD-15BGAM 5432 to 7731 TD-15BPSM 5432 to 7706 (Consists of - 1 ADAPTER 670 063 C11 2 CLAMP 279 027 R91 1 CLIP 670 043 C1 1 ELBOW 670 066 C1 1 ELBOW 277 743 R1 1 GASKET 304 391 R2 1 GASKET 670 035 C1 1 GASKET 341 464 R1 1 GASKET 369 497 R2 1 GASKET 253 660 R1 1 HOSE 670 065 C1 1 NUT 277 738 R1 1 SEAL 615 710 C1 1 SEAL 606 918 C91 1 SLEEVE 277 737 R1 1 SLEEVE 670 036 C1 1 TUBE 670 037 C11 1 TUBE 670 052 C11 1 TURBOCHARGER 702 277 C91 1 PAMPHLET, installation 1 085 331 R1)

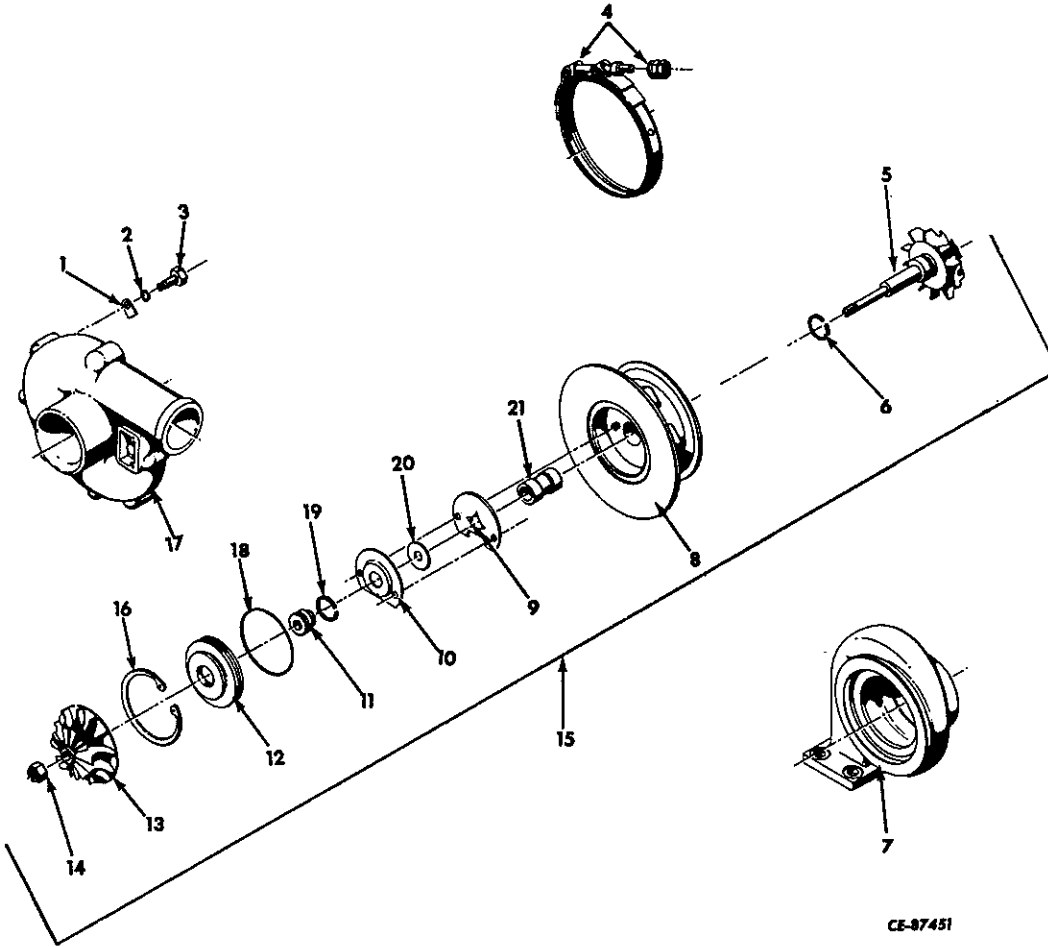
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TURBOCHARGER
(DT-361)

TURBOCHARGER
(Schwitzer)
(Model 3LD-229)
TD-15BPM 7707 up
TD-15BGM 7732 up
TD-15BGAM 7732 up
TD-15BPSM 7707 up
TD-15BGFM 7732 up
TD-15BGSM 7732 up

TURBOCHARGER
(DT-361)

TURBOCHARGER - CONTINUED
(Schwitzer)
(Model 3LD-229)
TD-15BPM 7707 up
TD-15BGM 7732 up
TD-15BGAM 7732 up
TD-15BPSM 7707 up
TD-15BGFM 7732 up
TD-15BGSM 7732 up



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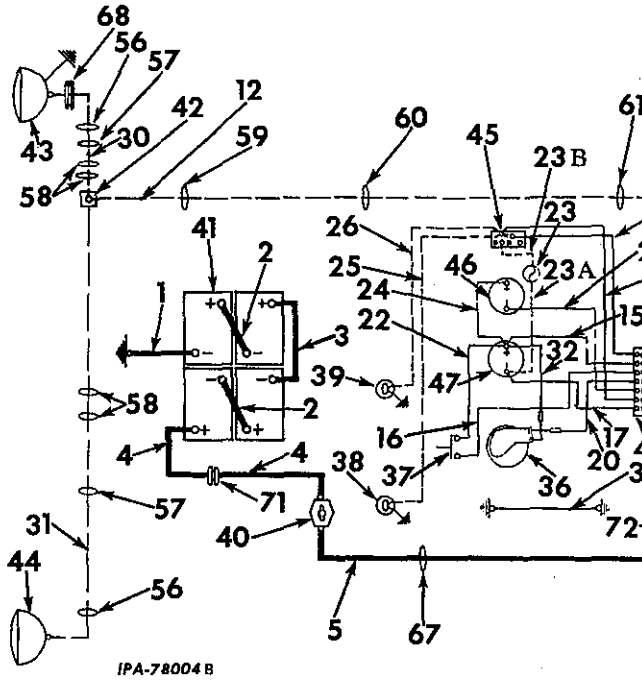
REF. NO.	I. H. PART NUMBER	DESCRIPTION
	702 277 C91	TURBOCHARGER ASSEMBLY (Model 3LD-229)
1	619 474 C1	CLAMP, tab type (4)
2	103 319	1/4" lock WASHER (8)
3	615 811 C1	BOLT, 1/4 x 5/8" (8)
4	702 384 C91	CLAMP w/NUT, 313 163 R1, "V" Band
	313 163 R1	NUT, 1/4NF Self lock
5	702 386 C1	WHEEL and SHAFT, turbine
6	615 819 C1	RING, turbine piston (Copper Coated) (135209)
7	615 812 C1	HOUSING, turbine
8	702 387 C1	HOUSING, bearing

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	615 818 C1	PLATE, thrust
10	615 816 C1	DEFLECTOR, oil
11	615 815 C1	SLEEVE, spacer
12	615 333 C1	INSERT, flinger plate
13	615 813 C1	WHEEL, compressor
14	615 814 C1	NUT, wheel lock
15	702 385 C91	CORE ASSEMBLY, turbocharger
16	615 332 C1	RING, insert snap
17	615 810 C1	COVER, compressor
18	615 334 C1	"O" RING, insert (2.55 x 2.756 x .103)
19	313 156 R1	RING, sleeve piston
20	615 817 C1	RING, thrust
21	615 820 C1	BEARING, housing

ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Crawler Tractors)

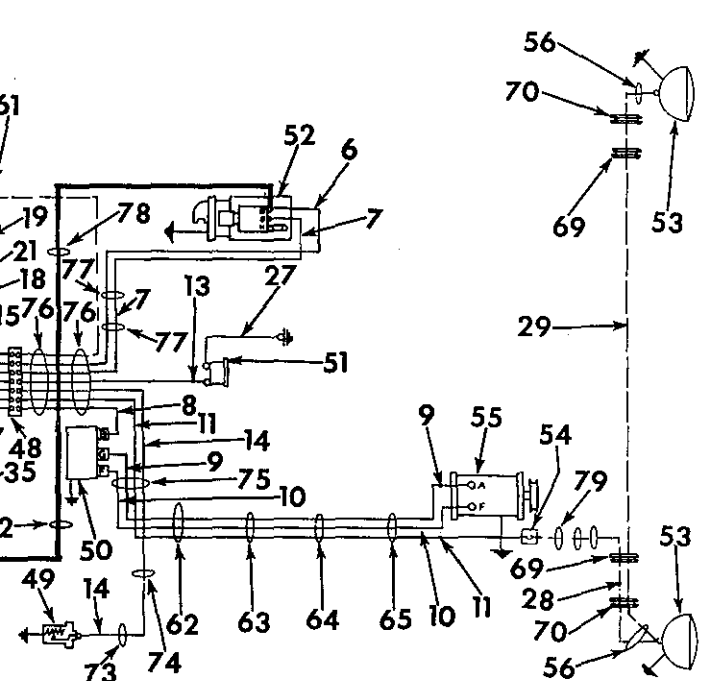


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ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Manual Shift Crawler Tractors)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) on battery to master switch
5	334 602 R91	CABLE, master switch to "B" terminal on solenoid
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid TD-15BG 7260 to 9370 TD-15B(Agr)BGA 7260 to 9370 TD-15BG 9370 up TD-15B(Agr)BGA 9370 up TD-15BGF 21281 up TD-15BGS 21676 up
6		CABLE, terminal block to "B" terminal on solenoid (red) (order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator (pink)
9		CABLE "A" terminal on generator to "G" terminal on regulator (brown) (order HARNESS, 334 761 R91)
10		CABLE "F" terminal on generator to "F" terminal on regulator (blue) (order HARNESS, 334 761 R91)
11		CABLE, terminal block to headlight junction block (green) (order HARNESS, 334 761 R91)
12	358 581 R91	CABLE, terminal block to rear junction block (white) (*) (†)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	341 873 R91	CABLE, terminal block to hourmeter pressure switch (yellow)
14		CABLE, terminal block to clutch oil temperature, sending unit (orange) (order HARNESS, 334 761 R91)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (order HARNESS, 334 759 R91)
16	337 594 R91	CABLE, terminal block to starting switch
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (order HARNESS, 334 759 R91)
18		CABLE, terminal block to light switch (headlight) (green) (order HARNESS, 334 759 R91)
19		CABLE, terminal block to light switch (rear light) (white) (order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus terminal on hourmeter (yellow) (order HARNESS, 334 759 R91)
21		CABLE, terminal block to clutch oil temperature gauge (orange) (order HARNESS, 334 759 R91)
22	363 841 R91	CABLE, plus (+) terminal on ammeter to starting switch

(*) - Part of Electric Lighting ATTACHMENT, 337 555 R91
 (†) - Part of Electric Lighting ATTACHMENT, 604 891 C91

ELECTRICAL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
23	275 276 R91	HOUSING w/two CABLES, fuse (*)
23	376 852 R91	HOUSING, fuse (†)
23A		CABLE, minus (-) terminal on ammeter to fuse housing (part of HOUSING, 275 276 R91) (*)
23A	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (used with HOUSING, 376 852 R91) (‡)
23B		CABLE, fuse housing to light switch (part of HOUSING, 275 276 R91) (*)
23B	604 893 C91	CABLE, fuse housing to light switch (used with HOUSING, 376 852 R91) (‡)
24	62 859 D	CABLE, plus (+) terminal on ammeter to clutch oil temperature gauge (used with GAUGE, 347 514 R91) TD-15BG 7260 to 20144 TD-B(Agr)BGA 7260 to 20144
24	604 871 C91	CABLE, plus (+) terminal on ammeter to clutch oil temperature gauge (used with GAUGE, 347 514 R91) TD-15BG 20145 to 20446 TD-15B(Agr)BGA 20145 to 20446
24	611 487 C91	CABLE, plus (+) terminal on ammeter to clutch oil temperature gauge (used with GAUGE, 610 722 C91 and GAUGE, 610 720 C91) TD-15BG 20447 to 22908 TD-15B(Agr)BGA 20447 to 22908 TD-15BGF 21281 to 22908 TD-15BGS 21676 to 22908
25		CABLE, lighting switch to RH instrument panel light (part of panel light) (*) (‡)
26		CABLE, lighting switch to LH instrument panel light (part of panel light) (*) (‡)
27	341 874 R91 178 540	CABLE, hourmeter pressure switch to ground (also listed with "Hourmeter") 5/16" internal-external tooth lock WASHER
28	358 111 R92	CABLE, junction block to RH headlight (*) (‡)
29	358 118 R91	CABLE, LH to RH headlight (*) (‡)
30	62 862 D	CABLE, junction block to rear light (48" long) (*) (‡)
31	358 566 R91	CABLE, supplement rear light RH to rear junction block (#)
32	267 811 R91	CABLE, plus (+) terminal on ammeter to plus (+) terminal on hourmeter (also listed with "Hourmeter")
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10NF NUT (2) No. 10NF x 3/4" pan-hd sltd mach SCREW No. 10 lock WASHER No. 10 int-ext tooth lock WASHER (2)
36		HOURLMETER (for components see list of parts under details of "Hourmeter")
37		SWITCH, starting (for components see list of parts under details of "Starting Switch")
38		LIGHT, RH panel (order PACKAGE, 603 467 C91) (*) (‡)
39		LIGHT, LH panel (order PACKAGE, 603 467 C91) (*) (‡)
40		SWITCH, master (for components see list of parts under details of "Master Switch")
41		BATTERY (6 volt) (Prestolite 1258X)
42	42 915 D 103 088 132 923 106 497	BLOCK, rear light junction (on LH side sheet) (*) (‡) No. 10NF NUT No. 10NF x 1" pan-hd sltd mach SCREW No. 10 lock WASHER

ELECTRICAL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
43	327 189 R91	LIGHT ASSY., rear (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (*) (‡)
44	327 189 R91	LIGHT ASSY., auxiliary RH rear (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (#)
45		SWITCH, lighting (Delco-Remy No. 1994053) (also listed and illustrated with "Lighting Switch") (*)
45	606 298 C91 606 299 C91	SWITCH, lighting (‡) KNOB, lighting switch
46	610 722 C91	GAUGE, engine clutch oil temperature (Order PLUG 432 577) (also listed and illustrated with "Instruments and Instrument Panel")
47		AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
48	324 788 R91 103 092 100 759 100 754 106 496 115 544	BLOCK, feed thru terminal No. 8 NUT No. 8 x 3/8" pan-hd-sltd mach SCREW (3) No. 8 x 7/8" pan-hd sltd mach SCREW No. 8 lock WASHER (4) No. 8 int-tooth lock WASHER
49	610 723 C91	UNIT, engine oil temp sending (used with GAUGE, 610 722 C91 (Order PLUG 444 624))
50		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
51		SWITCH, hourmeter pressure (also listed with "Hourmeter")
52		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
53	327 189 R91	LIGHT, front head (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (*) (‡)
54	42 915 D 103 088 132 923 106 497 354 260 R1	BLOCK, RH front headlight junction (mounted on fan shroud) (*) (‡) No. 10NF NUT No. 10NF x 1" pan-hd-sltd-mach SCREW No. 10 lock WASHER SPACER, junction block
55		GENERATOR (for components see list of parts under details of "Generator")
56	263 514 R91	CLIP, cable (mounted on light bracket bolt) (*) (‡) (#) (4)
57	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (*) (‡) (#) (2)
58	362 120 R1	CLIP, cable (mounted on top and bottom bolts of LH seat side sheet) (*) (‡) (#) (4)
59	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (*) (‡)
		(*) - Part of Electric Lighting ATTACHMENT, 337 555 R91. (‡) - Part of Electric Lighting ATTACHMENT, 604 891 C91. (#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C92.

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
60	263 717 R91	CLIP, cable (mounted on LH rear bolt of seat frame support cross bar)
61	362 120 R1	CLIP, cable (mounted on top front LH fender bolt)
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
62	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
63	362 120 R1	CLIP, cable (mounted on front bolt of oil filler neck flange)
64	366 460 R1	CLIP, cable (mounted on bottom bolt of injection pump spacer) (*) (†)
	103 341	13/32 x 13/16" x 16 ga WASHER
65	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)
67	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
68	109 390	GROMMET (mounted on fuel tank support cover) (*) (†)
69	59 995 R1	GROMMET (mounted on top of radiator guard) (*) (†) (2)
70	338 064 R1	GROMMET (mounted on radiator guard top rear stiffener) (*) (†) (2)
71	112 745	GROMMET (mounted on RH seat side sheet)
72	604 388 C91	CLIP, cable (mounted on RH bottom bolt of clutch inspection cover)
73	264 164 R91	CLIP, cable (mounted on LH bottom bolt of clutch inspection cover)
74	264 164 R91	CLIP, cable (mounted on RH top bolt of clutch inspection cover)
75	263 716 R91	CLIP, cable (mounted on inner bolt of pressure tubes clamp) (on dash)
76		CLIP, cable (welded on dash) (2)
77		CLIP, cable (welded on LH side of dash) (2)
78	604 388 C91	CLIP, cable (mounted on LH top bolt of clutch housing)
79	362 120 R1	CLIP, cable (mounted on RH bottom, center and top mounting bolts of fan shroud) (*) (†) (3)
337 555 R91		ATTACHMENT, electric lighting (for use on units equipped with Roosa-Master Fuel Injection Pump) (See NOTE 3) TD-15BG 7260 to 9370 TD-15B(Agr)BGA 7260 to 9370
	(Composed of -	
	2 BLOCK	42 915 D
	3 BRACKET	331 145 R91
	1 CABLE	358 111 R92
	1 CABLE	358 118 R91
	1 CABLE	358 581 R91
	1 CABLE	62 862 D
	3 CLIP	263 514 R91
	1 CLIP	264 164 R91
	6 CLIP	362 120 R1
	1 CLIP	366 460 R1
	1 FUSE	120 151
	1 GROMMET	109 390
	2 GROMMET	59 995 R1
	2 GROMMET	338 064 R1
	2 GROMMET	338 065 R1
	1 HOUSING	275 276 R91
	1 KNOB (Delco-Remy No. 1930685)	
	§ 2 LIGHT, panel	
	3 LIGHT	327 189 R91
	1 NUT (Delco-Remy No. 1882012)	
	1 SCREW (Delco-Remy No. 1864099)	
	2 SPACER	354 260 R1

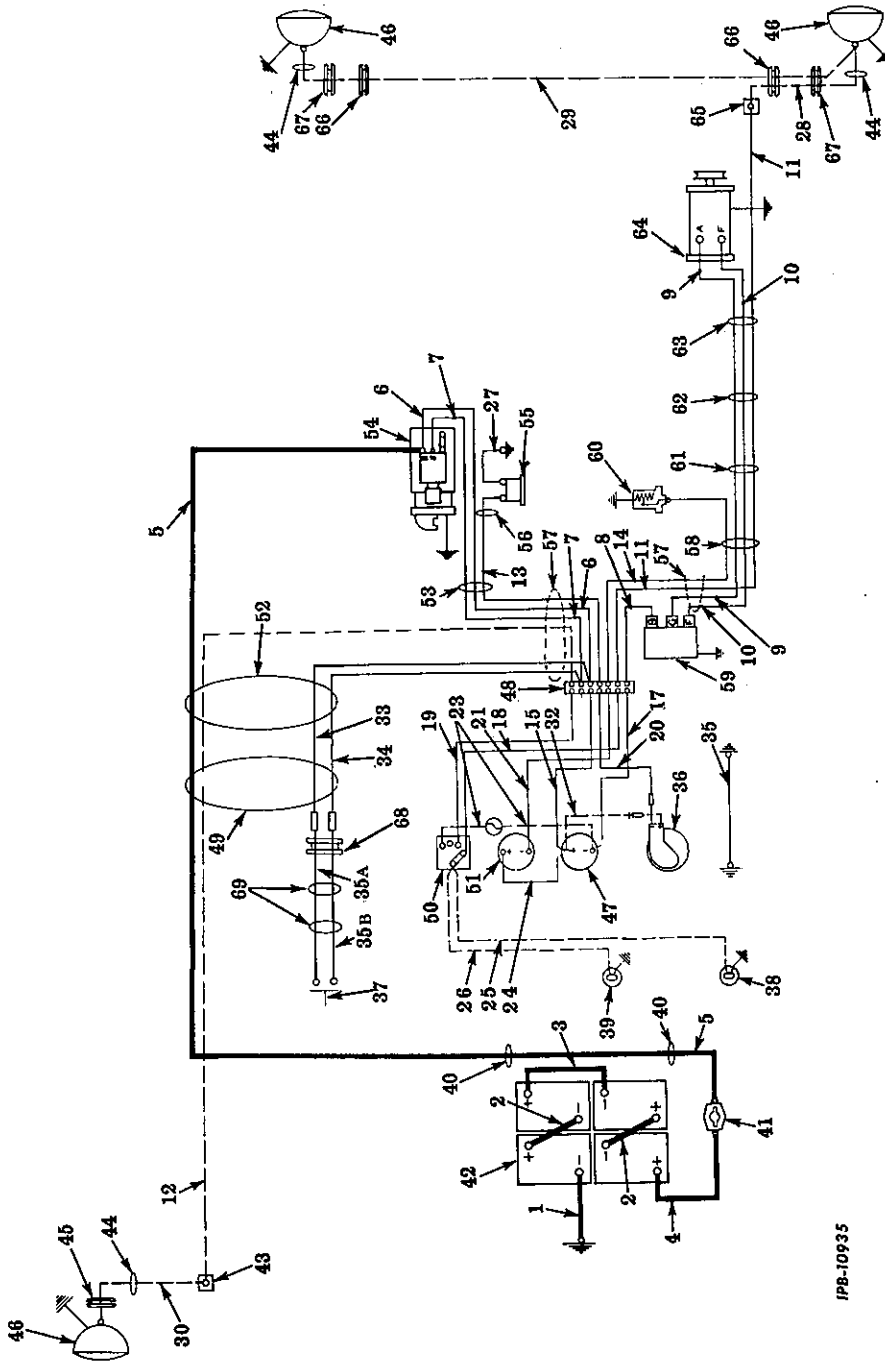
ELECTRICAL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
337 555 R91		ATTACHMENT, electric lighting (See NOTE 3) - Continued (Composed of - Continued
	1 SWITCH (Delco-Remy No. 1994053)	
	3 WASHER	330 717 R1
	3 WASHER	330 718 R1)
604 891 C91		ATTACHMENT, electric lighting (for use on units equipped with International R. D. and Roosa-Master Fuel Injection Pump) (See NOTES 1 and 3) TD-15BG 9371 up TD-15B(Agr)BGA 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
	(Composed of -	
	1 BLOCK	42 915 D
	3 BRACKET	331 145 R91
	1 CABLE	358 111 R92
	1 CABLE	358 118 R91
	1 CABLE	62 862 D
	1 CABLE	358 581 R91
	1 CABLE	604 892 C91
	1 CABLE	604 893 C91
	3 CLIP	263 514 R91
	1 CLIP	264 164 R91
	6 CLIP	362 120 R1
	1 CLIP	366 460 R1
	1 FUSE	120 151
	1 GROMMET	109 390
	2 GROMMET	59 995 R1
	2 GROMMET	338 064 R1
	2 GROMMET	338 065 R1
	1 HOUSING	376 852 R91
	1 KNOB	606 299 C91
	§ 2 LIGHT, panel	
	3 LIGHT	327 189 R91
	2 SPACER	354 260 R1
	1 SWITCH	606 298 C91
	3 WASHER	330 717 R1
	3 WASHER	330 718 R1)
193 093		BULB (24 volt) (Part of PACKAGE, 603 467 C91)
142 450		BULB (12 volt) (Part of PACKAGE, 603 467 C91)
120 151		FUSE, lighting switch (15 amp) (*) (†)
273 406 R1		GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)
334 759 R91		HARNES, instrument panel (consists of reference nos. 15, 17, 18, 19, 20 and 21)
334 760 R91		HARNES, cranking motor (consists of reference nos. 6 and 7)
334 761 R91		HARNES, regulator to generator (consists of reference nos. 9, 10, 11, and 14)
604 872 C91		INSULATOR (on negative terminal of ammeter) (on tractors w/o lighting)
603 467 C91		PACKAGE, panel light field service less BULBS (Consists of DASH LIGHT, GROMMET, 273 406 R1, and WASHER, 273 405 R1) (2)
273 405 R1		WASHER, panel light (part of PACKAGE, 603 467 C91) (2)
		§ - Not Furnished Separately. (*) - Part of Electric Lighting ATTACHMENT, 337 555 R91. (†) - Part of Electric Lighting ATTACHMENT, 604 891 C91. NOTE 1 - Factory Application - Order on Machine Order Form. NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING
(For Power Shift Crawler Tractors)
(TD-15BP 6001 to 8229)



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ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
(TD-15BP 6001 to 8229)

ELECTRICAL SYSTEM

(DT-36)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) (TD-15BP 6001 to 8229)		
1	334 601 R91	CABLE, negative terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	325 583 R91	CABLE, positive terminal on battery to master switch
5	334 602 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal strip to battery terminal on solenoid (red) (order 334 760 R91)
7		CABLE, terminal strip to switch terminal on solenoid (violet) (order 334 760 R91)
8	358 584 R91	CABLE, terminal strip to "B" terminal on regulator (pink)
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (order 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (order 334 761 R91)
11		CABLE, terminal strip to headlight junction block (green) (order 334 761 R91)
12	358 581 R91	CABLE, terminal strip to rear junction block (white)
13	341 873 R91	CABLE, terminal strip to hourmeter pressure switch (yellow) (order 334 760 R91)
14		CABLE, terminal strip to torque converter oil temperature sending unit (orange) (order 334 761 R91)
15		CABLE, terminal strip to positive terminal on ammeter (red) (order 334 759 R91)
17		CABLE, terminal strip to negative terminal on ammeter (pink) (order 334 759 R91)
18		CABLE, terminal strip to light switch (headlights) (green) (order 334 759 R91)
19		CABLE, terminal strip to light switch (rear light) (white) (order 334 759 R91)
20		CABLE, terminal strip to negative terminal on hourmeter (yellow) (order 334 759 R91)
21		CABLE, terminal strip to torque converter oil temperature gauge (orange) (order 334 759 R91)
23	275 276 R91	HOUSING w/two CABLES, fuse (negative terminal on ammeter to light switch)
24	62 859 D	CABLE, positive terminal on ammeter to torque converter oil temperature gauge
25		CABLE, lighting switch to right hand instrument panel light (part of LIGHT)
26		CABLE, lighting switch to left hand instrument panel light (part of LIGHT)
27	30 746 DA	CABLE, hourmeter pressure switch to ground (also listed with "Hourmeter")
28	62 860 D	CABLE, junction block to RH headlight
29	358 117 R92	CABLE, LH to RH headlight
30	62 862 D	CABLE, junction block to rear light (48" long)
32	267 811 R91	CABLE, positive terminal on ammeter to positive terminal on hourmeter (also listed with "Hourmeter")
33		CABLE, connector to terminal strip (red) (order 338 056 R91)
34		CABLE, connector to terminal strip (violet) (order 338 056 R91)
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument grounding No. 10NF NUT (2) No. 10NF x 3/4" pan-hd-sltd mach SCREW No. 10 lock WASHER No. 10 internal-external tooth lock WASHER (2)

ELECTRICAL SYSTEM

(DT-36)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) (TD-15BP 6001 to 8229)		
35A		CABLE, connector to starting switch (red) (order 338 507 R91)
35B		CABLE, connector to starting switch (violet) (order 338 057 R91)
36	624 552 C91	HOURLMETER (also listed with "Hourmeter")
37	334 702 R91	SWITCH, starting safety TD-15BP 6001 to 21070 (Order the following parts - 1 BUTTON 604 838 C11 1 SPRING 604 840 C1 1 SUPPORT 700 392 C1 1 SUPPORT 604 841 C91 1 SWITCH 700 395 C91)
	115 553	5/8" internal tooth lock WASHER
37	700 395 C91	SWITCH w/PAHPHLET, 1 085 291 R1 starting safety
	115 553	5/8" internal tooth lock WASHER TD-15BP 21071 up
38		LIGHT, RH instrument panel (order PACKAGE 603 467 C91)
39		LIGHT, LH instrument panel (order PACKAGE 603 467 C91)
40	308 581 R1	CLIP (on main frame top cover service plate corner bolts) (2)
41		SWITCH, master (for components see list of parts under details of "Master Switch")
42		BATTERY, dry charged (6 volt) (Prestolite 1258X) (4)
43	42 915 D	BLOCK, rear light junction (on LH seat side sheet) No. 10NF NUT No. 10NF x 1" mach SCREW No. 10 lock WASHER
	103 088 132 923 106 497	
44	263 514 R91	CLIP, light cable (on light bracket bolt) (3)
45	109 390	GROMMET, rear light cable (on fuel tank support cover)
46	327 189 R91	LIGHT ASSEMBLY, headlight and rear light (Hobbs M12705) (for components see list of parts under details of "Headlight and Rear Light") (3)
47	702 284 C1	AMMETER (also listed with "Instruments and Panel")
48	324 788 R91 103 092 100 759 100 754 106 497 115 544	STRIP, feed thru terminal No. 8 NUT No. 8 x 3/8" mach SCREW (3) No. 8 x 7/8" mach SCREW No. 8 lock WASHER (4) No. 8 internal-tooth lock WASHER
49	278 688 R1	CLIP (on LH bolt securing seat frame support crossbar)
50		SWITCH, lighting (also listed with "Lighting Switch") (#)
51	702 772 C1	GAUGE, torque converter oil temperature (together with INSULATOR, 604 872 C91 and TEE, 218 251) (will work for GAUGE, 336 125 R92 and GAUGE, 610 720 C91) (also listed with "Instruments and Panel")
		(#) - Part of Electric Lighting ATTACHMENT, 337 555 R91.

ELECTRICAL SYSTEM (DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 8229

52	278 688 R1	CLIP (on torque converter housing LH upper bolt)
53	362 120 R1	CLIP (on LH rear bolt of crankcase)
54		MOTOR ASSEMBLY, cranking (for components see list of parts under details of "Cranking Motor")
55	132 244 R91	SWITCH, hourmeter pressure (also listed with "Hourmeter")
56	263 514 R91	CLIP (on LH engine oil outlet to oil cooler rear bolt)
57	103 213 H	CLIP (on lower RH bolt of governor control ratchet)
58	362 120 R1	CLIP (on crankcase lower rear RH bolt)
59		REGULATOR ASSEMBLY, voltage (for components see list of parts under details of "Voltage Regulator")
60	610 721 C91	UNIT, oil temp gauge sending (used with GAUGE, 610 720 C91)
60	336 126 R91	UNIT, oil temperature gauge sending (used with GAUGE, 336 125 R92)
61	362 120 R1	CLIP (on front bolt of oil filler neck flange)
62	362 120 R1	CLIP (on bottom bolt of injection pump spacer)
63	362 120 R1	CLIP (on front upper bolt of generator bracket)
64		GENERATOR ASSEMBLY (for components see list of parts under details of "Generator")
65	42 915 D 103 088 132 923 106 497	BLOCK, headlight junction (on fan shroud) No. 10NF NUT No. 10NF x 1" mach SCREW No. 10 lock WASHER
66	338 064 R1	GROMMET, headlight cable (on radiator guard) (2)
67	59 995 R1	GROMMET, head light cable (on radiator guard) (2)
68	341 859 R1	GROMMET, starting safety switch harness
69		CLIP (not furnished separately)
	337 555 R91	ATTACHMENT, electric lighting (See NOTES 1 and 3) (Composed of -
	2	BLOCK 42 915 D
	3	BRACKET 331 145 R91
	1	CABLE 62 860 D
	1	CABLE 358 117 R92
	1	CABLE 358 581 R91
	1	CABLE 62 862 D
	3	CLIP 263 514 R91
	1	FUSE 120 151
	1	GROMMET 109 390
	2	GROMMET 59 995 R1
	2	GROMMET 338 064 R1
	1	HOUSING 275 276 R91
	1	KNOB (Delco-Remy No. 1930685)
	81	LIGHT
	81	LIGHT
	3	LIGHT 327 189 R91
	1	NUT (Delco-Remy No. 1882012)
	1	PACKAGE 603 467 C91
	1	SCREW (Delco-Remy No. 1864099)
	2	SPACER 354 260 R1
	1	SWITCH (Delco-Remy No. 1994053)
	3	WASHER 330 717 R1
	3	WASHER 330 718 R1)

ELECTRICAL SYSTEM (DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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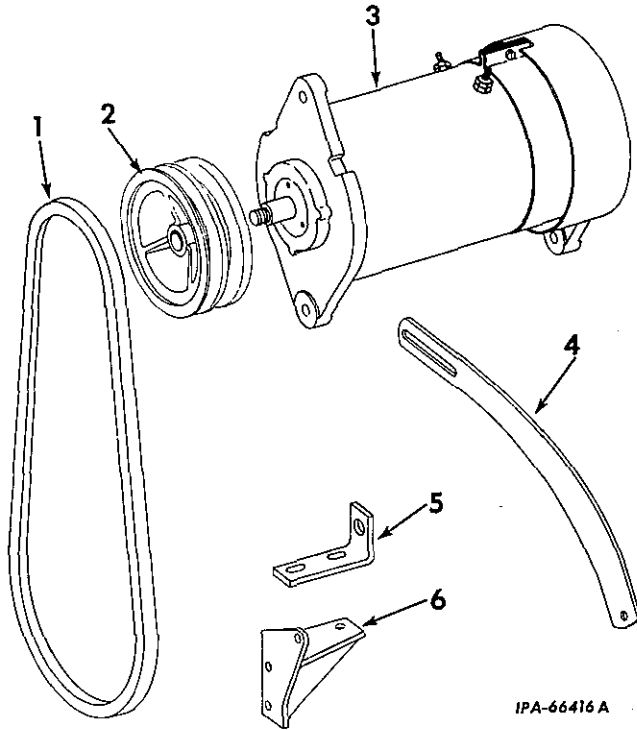
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 8229

193 093		BULB (24 volt) (Part of PACKAGE, 603 467 C91)
142 450		BULB (12 volt) (Part of PACKAGE, 603 467 C91)
120 151		FUSE, lighting switch (15 amp)
273 406 R1		GROMMET, panel light
334 759 R91		HARNESS, instrument panel
334 760 R91		HARNESS, starting motor
334 761 R91		HARNESS, regulator to generator
338 057 R91		HARNESS, starting safety switch
338 056 R91		HARNESS, starting safety switch (on dash)
603 467 C91		PACKAGE, panel light field service (Less BULBS) (Consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1)
354 260 R1		SPACER, junction block (2)
273 405 R1		WASHER, panel light

8 - Not Furnished Separately.

ELECTRICAL SYSTEM
(DT-361)

CRANKING MOTOR, GENERATOR AND CONNECTIONS



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 758 R11	BELT, generator and fan (set of two)
2	326 544 R1	PULLEY, generator (not used with Heavy Duty Generator)
2	607 228 C1	PULLEY, generator (used with Heavy Duty Generator)
3		GENERATOR ASSEMBLY, 24 volt (for components see list of parts under details of "Generator", "Standard" or "Heavy Duty")
	19 258 R1	NUT, 1/2" Esna
	103 028	1/2NF NUT
	181 431	1/2NF x 1-1/2" hex-hd cap SCREW
	181 442	1/2NF x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER
4	341 652 R2	ARM, generator
	179 838	3/8 x 7/8" hex-hd cap SCREW
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
	142 127 R1	WASHER, flat
5	328 719 R1	FOOT, generator mounting
	103 026	3/8NF NUT (2)
	181 370	3/8NF x 1-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	142 127 R1	WASHER, flat
6	326 545 R11	BRACKET, generator mounting
	103 026	3/8NF NUT (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW
	186 310	3/8NF x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
	362 120 R1	CLIP, generator cable harness

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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CRANKING MOTOR, GENERATOR AND CONNECTIONS - CONTINUED

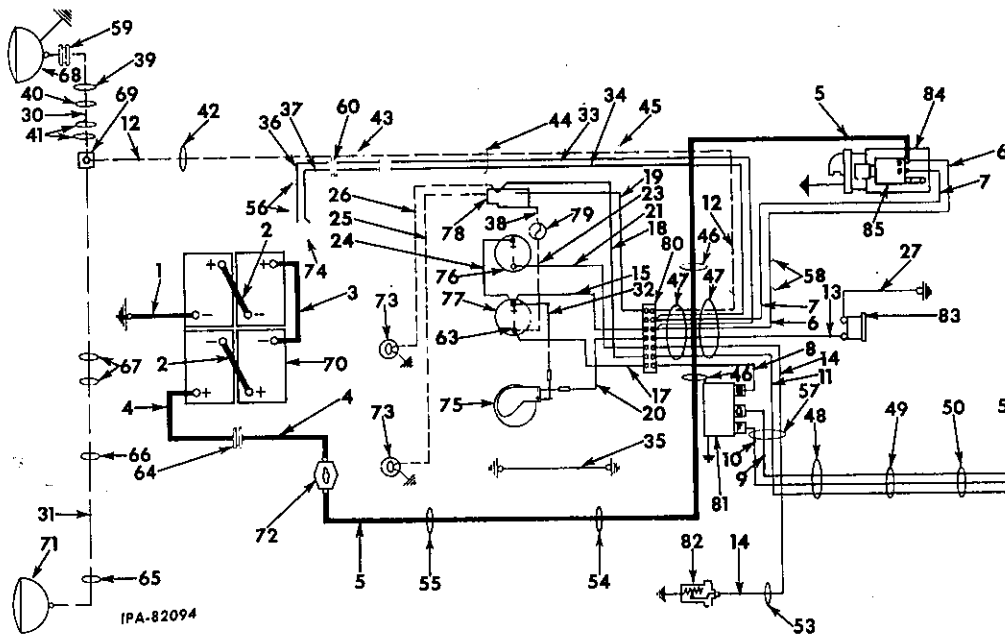
304 573 R1	GASKET, cranking motor
	MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
179 885	1/2 x 1-1/2" hex-hd cap SCREW (3)
103 323	1/2" lock WASHER (3)
607 736 C91	ATTACHMENT, heavy duty generator (consists of Generator (Delco-Remy No. 1105237), voltage REGULATOR (Delco-Remy No. 1119677) and PULLEY, 607 228 C1) (See NOTES 1 and 3)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING
 (For Power Shift and Sideboom Crawler Tractors)
 TD-15BP 8230 up
 TD-15BPS 9371 up

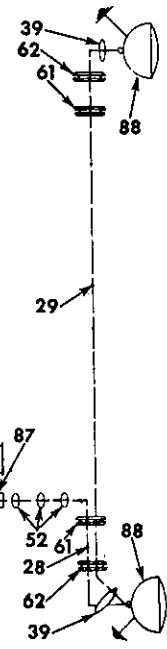


REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) terminal on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (order HARNESS, 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (order HARNESS, 334 761 R91)
11		CABLE, terminal block to front lights junction block (green) (order HARNESS, 334 761 R91)
12	358 581 R91	CABLE, terminal block to rear junction block (*)
13	341 873 R91	CABLE, feed thru connector to hourmeter pressure switch (yellow)
14		CABLE, terminal block to torque converter oil temperature gauge sending unit (orange) (order HARNESS, 334 761 R91)

ELECTRICAL SYSTEM

(DT-361)

ELECTRIC STARTING AND LIGHTING - CONTINUED
 (For Power Shift and Sideboom Crawler Tractors)
 TD-15BP 8230 up
 TD-15BPS 9371 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (order HARNESS, 334 759 R91)
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (order HARNESS, 334 759 R91)
18		CABLE, terminal block to front light switch (green) (order HARNESS, 334 759 R91)
19		CABLE, terminal block to rear light switch (white) (order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus (-) terminal on hourmeter (yellow) (order HARNESS, 334 759 R91)
21		CABLE, terminal block to torque converter oil temperature gauge (orange) (order HARNESS, 334 759 R91)
23	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (*)
24	62 859 D	CABLE, plus (+) terminal on ammeter to torque converter oil temperature gauge (used with GAUGE, 336 125 R92) TD-15BP 8230 to 20144 TD-15BPS 9371 to 20144
24	604 871 C91	CABLE, plus (+) terminal on ammeter to torque converter oil temperature gauge (used with GAUGE, 336 125 R92) TD-15BP 20145 to 20457 TD-15BPS 20145 to 20457
24	611 487 C91	CABLE, plus (+) terminal on ammeter to torque converter oil temperature gauge (used with GAUGE, 610 720 C91) TD-15BP 20458 to 22908 TD-15BPS 20458 to 22908

(*) - Part of Electric Lighting ATTACHMENT, 604 891 C91.

ELECTRICAL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift and Sideboom Crawler Tractors) TD-15BP 8230 up TD-15BPS 9371 up		
25		CABLE, light switch to RH instrument panel light (part of panel light)
26		CABLE, light switch to LH instrument panel light (part of panel light)
27	341 874 R91 178 540	CABLE, hourmeter pressure switch to ground 5/16" internal-external tooth lock WASHER
28	358 111 R92	CABLE, front light junction block to RH front light (*)
29	358 118 R91	CABLE, LH to RH front light (*)
30	62 862 D	CABLE, rear light junction block to rear light (*)
31	358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)
32	267 811 R91	CABLE, plus (+) terminal on ammeter to plus (+) terminal on hourmeter
33		CABLE, terminal block to starting switch connector (red) (order HARNESS, 338 056 R91)
34		CABLE, terminal block to starting switch connector (violet) (order HARNESS, 338 056 R91)
35	341 935 R91 110 633 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10 NUT (2) No. 10 x 3/4" pan-hd-sltd mach SCREW No. 10 lock WASHER No. 10 internal-external tooth lock WASHER (2)
36		CABLE, starting switch to connector (red) (order HARNESS, 338 057 R91)
37		CABLE, starting switch to connector (violet) (order HARNESS, 338 057 R91)
38	604 893 C91	CABLE, fuse housing to light switch (*)
39	263 514 R91	CLIP, cable (mounted on rear inner bolt of light bracket) (*) (3)
40	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (*)
41	362 120 R1	CLIP, cable (mounted on top and bottom bolt of LH seat side sheet) (*) (2)
42	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (*)
43	263 717 R91	CLIP, cable (for starting switch upper cable harness) (mounted on LH rear bolt of seat frame support cross bar)
44	263 717 R91	CLIP, cable (for starting switch lower cable harness) (mounted on bolt securing torque converter pipe clamp)
45	362 120 R1	CLIP, cable (for starting switch lower cable harness) (mounted on clutch oil pressure tube clamp bolt on LH fender)
46	604 388 C91	CLIP, cable (mounted on LH and RH upper bolts of torque converter housing) (2)
47		CLIP, cable (welded on dash) (2)
48	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
49	362 120 R1	CLIP, cable (mounted on front bolt of oil filler neck flange)
50	366 460 R1 103 341	CLIP, cable (for front light cable) (mounted on bottom stud of injection pump spacer) (*) 13/32 x 13/16" x 16 ga WASHER

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ELECTRICAL SYSTEM

(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift and Sideboom Crawler Tractors) TD-15BP 8230 up TD-15BPS 9371 up		
51	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)
52	362 120 R1	CLIP, cable (for RH front light cable) (mounted on RH bottom, center and top fan shroud mounting bolts) (*) (3)
53	366 460 R1	CLIP, cable (for torque converter oil temperature sending unit cable) (mounted on second bolt from top RH of torque converter housing)
54	616 282 C1	CLIP, cable (mounted on lower bolt of brake pedal bracket)
55	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
56		CLIP, cable (welded on inside power shift gear selector box) (2)
57	263 716 R91	CLIP, cable (for regulator, generator and cranking motor cable harness) (mounted on inner bolt of pressure tube clamp on dash)
58		CLIP, cable (welded on LH side of dash) (2)
59	109 390	GROMMET, cable (for rear light cable) (mounted on fuel tank support cover) (*)
60	341 859 R1	GROMMET, cable (for starting safety switch harness) (mounted on LH side of front frame)
61	338 064 R1	GROMMET, cable (for front light cable) (mounted on radiator guard top rear stiffener) (*) (2)
62	59 995 R1	GROMMET, cable (for front light cable) (mounted on top of radiator guard) (*) (2)
63	604 872 C91	GROMMET, cable (used for insulator) (mounted on minus (-) terminal of ammeter on tractors not equipped with electric lighting)
64	112 745	GROMMET, cable (mounted on RH seat side sheet)
65	263 514 R91	CLIP, cable (mounted on front inner bolt of rear light bracket) (#)
66	362 120 R1	CLIP, cable (mounted on top inner bolt on RH of front of fuel tank) (#)
67	362 120 R1	CLIP, cable (mounted on top and bottom bolts of rear RH seat side sheets) (#) (2)
68	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*)
68	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*)
69	42 915 D 110 633 132 923 354 260 R1 106 497	BLOCK, rear light junction (mounted on LH seat side sheet) (*) No. 10 NUT No. 10 x 1" rd-hd-sltd mach SCREW SPACER, junction block No. 10 lock WASHER
70		BATTERY (6 volt) (Prestolite 1258X) (4)
71	338 814 R91	LIGHT ASSY, RH auxiliary rear flood (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)

(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C91.

(*) - Part Of Electric Lighting ATTACHMENT, 604 891 C91.

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ELECTRICAL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift and Sideboom Crawler Tractors)
TD-15BP 8230 up
TD-15BPS 9371 up

71	327 189 R91	LIGHT ASSY, RH auxiliary rear flood (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
72		SWITCH ASSY, master (for components see list of parts under details of "Master Switch")
	109 084	1/4" NUT
	179 795	1/4 x 3/4" hex-hd cap SCREW
	103 319	1/4" lock WASHER
73		LIGHT, panel (order PACKAGE, 603 467 C91) (*) (2)
74	334 702 R91	SWITCH, starting safety TD-15BP 8230 to 21070 TD-15BPS 9371 to 21070 (Order the following parts -
		1 BUTTON 604 838 C11
		1 SPRING 604 840 C1
		1 SUPPORT 700 392 C1
		1 SUPPORT 604 841 C91
		1 SWITCH 700 395 C91)
	115 553	5/8" internal tooth lock WASHER
74	700 395 C91	SWITCH w/PAMPHLET 1 085 291 R1 starting safety
	115 553	5/8" internal tooth lock WASHER TD-15BP 21071 up TD-15BPS 21071 up
75	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
76	702 772 C1	GAUGE, torque converter oil temperature (together with INSULATOR, 604 872 C91 and TEE, 218 251, will work for GAUGE, 336 125 R92 and GAUGE, 610 720 C91) (also listed and illustrated with "Instruments and Panel")
77	702 284 C1	AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
78	606 298 C91	SWITCH, lighting (Cole-Hersee No. 72054) (*)
	606 299 C91	KNOB, lighting switch
	115 551	1/2" internal tooth lock WASHER
79	376 852 R91	HOUSING, fuse (*)
80	324 788 R91	BLOCK, feed thru terminal
	103 092	No. 8 NUT
	100 759	No. 8 x 3/8" rd-hd-sltd mach SCREW (3)
	100 754	No. 8 x 7/8" rd-hd-sltd mach SCREW
	106 497	No. 8 lock WASHER (4)
	115 544	No. 8 internal tooth lock WASHER
81		REGULATOR ASSY, voltage and current (24 volt) (for components see list of parts under details of "Voltage Regulator")
	179 798	1/4 x 1-1/8" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
82	610 721 C91	UNIT, torque converter oil temp sending (used with GAUGE, 610 720 C91)
82	336 126 R91	UNIT, torque converter oil temperature gauge sending (Used with GAUGE, 336 125 R92)
83	132 244 R91	SWITCH, hourmeter pressure
84		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
85		SWITCH, solenoid (part of cranking MOTOR)
86		GENERATOR ASSY (for components see list of parts under details of "Generator")

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift and Sideboom Crawler Tractors)
TD-15BP 8230 up
TD-15BPS 9371 up

87	42 915 D	BLOCK, front light junction (*)
	110 633	No. 10 NUT
	132 923	No. 10 x 1" rd-hd-sltd mach SCREW
	354 260 R1	SPACER, junction block
	106 497	No. 10 lock WASHER
88	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)
88	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)
	604 891 C91	ATTACHMENT, electric lighting (See NOTES 1 and 3) (Composed of -
		1 BLOCK 42 915 D
		3 BRACKET 331 145 R91
		1 CABLE 358 111 R92
		1 CABLE 358 118 R91
		1 CABLE 62 862 D
		1 CABLE 358 581 R91
		1 CABLE 604 892 C91
		1 CABLE 604 893 C91
		3 CLIP 263 514 R91
		1 CLIP 264 164 R91
		6 CLIP 362 120 R1
		1 CLIP 366 460 R1
		1 FUSE 120 151
		1 GROMMET 109 390
		2 GROMMET 59 995 R1
		2 GROMMET 338 064 R1
		2 GROMMET 338 065 R1
		1 HOUSING 376 852 R91
		1 KNOB 606 299 C91
		§ 2 LIGHT, panel
		3 LIGHT 327 189 R91
		2 SPACER 354 260 R1
		1 SWITCH 606 298 C91
		3 WASHER 330 717 R1
		3 WASHER 330 718 R1)
	142 450	BULB (12 volt)
	193 093	BULB (24 volt)
	104 937	CORK (No. 1) (Not used with Electric Lighting Attachment)
	104 938	CORK (No. 2) (Not used with Electric Lighting Attachment)
	104 942	CORK (No. 6) (Not used with Electric Lighting Attachment)
	331 145 R91	BRACKET, headlights, rear light and RH auxiliary rear light (#) (*) (%) (4)
	179 857	7/16 x 7/8" hex-hd cap SCREW (16)
	103 322	7/16" lock WASHER (16)
	120 151	FUSE, lighting switch (15 amp) (*)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92.
(%) - Also Listed and Illustrated With "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."
(*) - Part of Electric Lighting ATTACHMENT, 604 891 C91.
§ - Not Furnished Separately.

ELECTRICAL SYSTEM

MEMORANDA

(DT-36)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED
 (For Power Shift and Sideboom Crawler Tractors)
 TD-15BP 8230 up
 TD-15BPS 9371 up

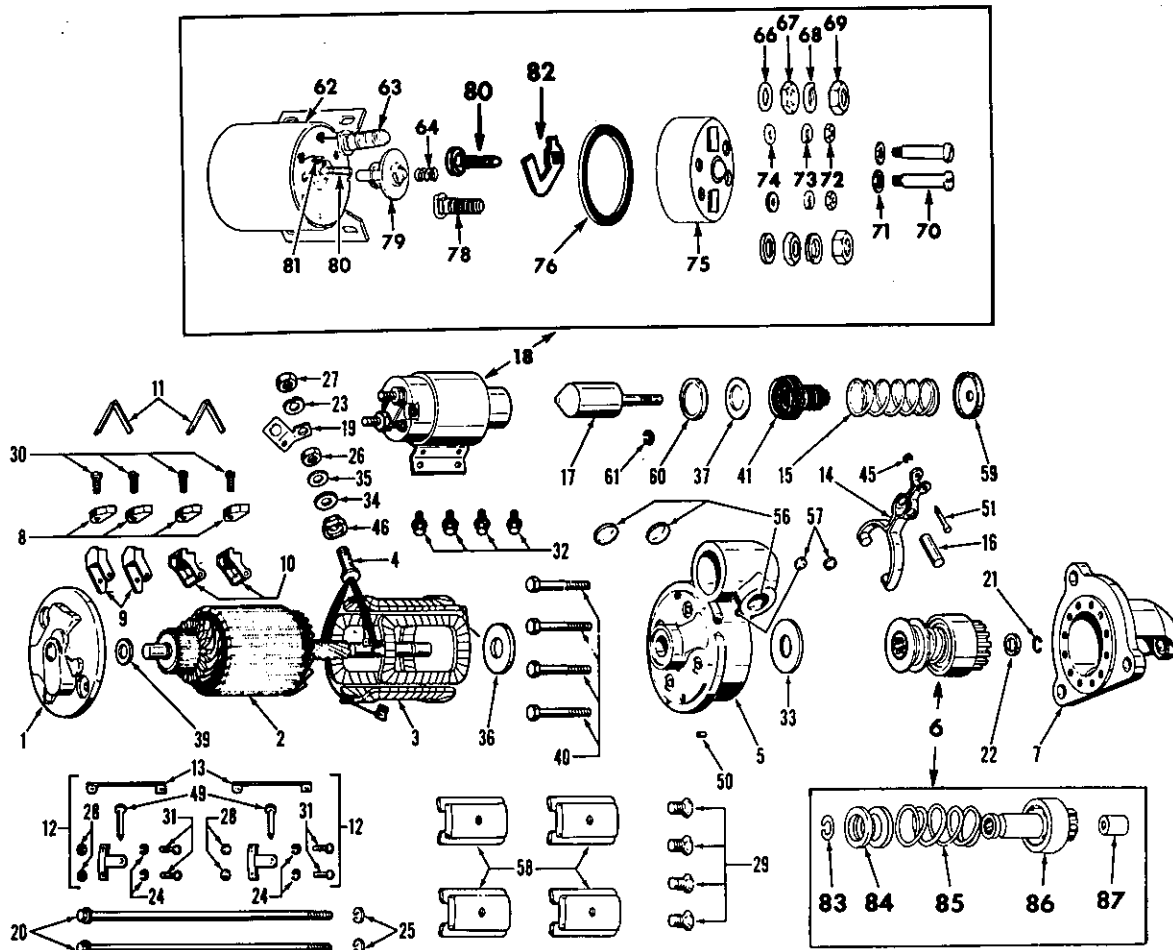
273 406 R1	GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)
334 759 R91	HARNESS, instrument panel (consists of reference Nos. 15, 17, 18, 19, 20 and 21)
334 760 R91	HARNESS, cranking motor (consists of reference Nos. 6 and 7)
334 761 R91	HARNESS, regulator to generator (consists of reference Nos. 9, 10, 11 and 14)
338 056 R91	HARNESS, starting safety switch (consists of reference Nos. 33 and 34)
338 057 R91	HARNESS, starting safety switch (consists of reference Nos. 36 and 37)
603 467 C91	PACKAGE, panel light field service (Less BULBS) (consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)
273 405 R1	WASHER, panel light (part of PACKAGE, 603 467 C91) (2)

ELECTRICAL SYSTEM
(DT-361)

CRANKING MOTOR
(Delco-Remy)

ELECTRICAL SYSTEM
(DT-361)

CRANKING MOTOR - CONTINUED
(Delco-Remy)



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY

IPA-66674-C

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all cranking motor assemblies listed below: Letters "A" and "B" are used to identify separate cranking motor assemblies.
A	1113157	MOTOR ASSY, cranking (24 volt) (with long shaft armature) (order cranking motor with short shaft armature Delco-Remy #1113157)
	179885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	103323	1/2" lock WASHER (3)
B	1113157	MOTOR ASSY, cranking (24 volt) (with short shaft armature) (will work for cranking motor with long shaft armature Delco-Remy No. 1113157)
	179885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	103323	1/2" lock WASHER (3)
1	1946555	FRAME w/BUSHING, 1872678, PLUG, 125947 and WICK, 1909654, commutator end (Cranking Motor A)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	1966265	FRAME ASSY, commutator end (Cranking Motor B) (Composed of - 1 BUSHING 1872678 1 PLUG 125947 1 PLUG 810819 1 WICK 1916439)
2	1958459	ARMATURE (long shaft) (Cranking Motor A)
2	1932872	ARMATURE (short shaft) (Cranking Motor B)
3	1951857	COIL w/STUD, 1945626, field (four coils)
4	1945626	STUD, terminal
5	1942241	HOUSING ASSY, lever (Composed of - 1 BUSHING 1933999 2 PLUG 9411375 1 PLUG 9419572 1 PLUG 453465 1 OIL SEAL 1867150 1 WICK 1947350)
Always give CRANKING MOTOR NUMBER when ordering parts.		

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
6	1951180	DRIVE, motor (Composed of - 1 BUSHING, oilless 1873796 1 WIRE, lock 1904436 1 SPRING 1932354)
7	1949370	HOUSING w/BUSHING, 1955994 PLUG, 453465 and WICK, 1916439 drive
8	1906990	BRUSH (4)
9	1940477	HOLDER, brush ground (2)
10	1950546	HOLDER, brush insulated (2)
11	1945620	SPRING, brush (2)
12	1945923	PACKAGE, brush support (2) (Composed of - 1 LEAD 1930694 2 NUT 120361 1 PIN 1938058 2 RIVET 1945630 2 SCREW 445639 2 WASHER 453435)
13	1930694	LEAD, ground (2)
14	1942245	LEVER, shift
15	1948521	SPRING, lever
16	1942255	SHAFT, lever
17	1942250	PLUNGER
18	1119896	SWITCH ASSY, solenoid starting (Composed of - 1 CASE and COIL 1958753 1 CLIP 1937381 1 CONTACT 1917119 1 COVER 1956416 1 GASKET 1930629 2 NUT 134566 2 NUT 453996 1 NUT 1904419 2 SCREW 132903 1 SPRING 1853342 1 STUD 1950069 1 STUD 1958751 1 STUD 1958754 2 WASHER 453290 2 WASHER 805790 1 WASHER 815540 2 WASHER 1923935 2 WASHER 1950064 1 WASHER 1950071 1 WASHER 1915334)
19	1942249	CONNECTOR, switch
20	809763	BOLT, thru (2)
21	1928022	RING, pinion stop retainer
22	1928021	COLLAR, pinion stop
23	120381	WASHER, lock, terminal stud (Cranking Motor A)
23	9421425	WASHER, lock terminal stud (Cranking Motor B)
24	453435	WASHER, lock (4)
25	9421424	WASHER, lock, thru bolt (2)
26	805258	NUT, terminal stud (5/32" thick)
27	805258	NUT, terminal stud (5/32" thick)
28	120361	NUT (4)
29	1843646	SCREW, pole shoe (4 for Cranking Motor A)
29	1913960	SCREW, pole shoe (4 for Cranking Motor B)
30	1959514	SCREW, brush attaching (4)
31	445639	SCREW (4)
32	1916529	SCREW, switch attaching (4 for Cranking Motor A)

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
32	1917084	SCREW, switch attaching (4 for Cranking Motor B)
33	821453	WASHER, brake (between lever housing and motor drive)
34	1950029	WASHER, insulating terminal stud (2)
35	805790	WASHER, plain, terminal stud
36	1942283	WASHER, space (between lever housing and armature)
37	1942259	WASHER, retainer spring
39	1966264	WASHER, space, commutator end
40	1962546	BOLT, drive housing attaching (4)
41	1942257	BOOT
45	1938376	RING, lever attaching pin snap
46	1931783	BUSHING, insulating terminal stud
49	1938058	PIN, brush holder (2)
50	809593	PIN, dowel, drive housing
51	1942253	PIN, lever attaching
56	9411375	PLUG, expansion, lever housing (1-3/16" dia) (2)
57	9419572	PLUG, expansion lever housing (1/2" dia)
58	1931784	SHOE, pole (4)
59	1942282	RETAINER, spring (13/32" hole)
60	1942256	RETAINER, spring (1-13/64" hole)
61	9415235	RING, spring retainer snap
62	1958753	CASE and COIL
63	1958754	STUD, motor terminal
64	1853342	SPRING, contact return
66	805790	WASHER, insulating terminal (2)
67	1904419	NUT, 3/8" terminal (2)
68	453290	WASHER, 3/8" terminal lock (2)
69	134566	NUT, 3/8" terminal (2)
70	1943225	SCREW, cover attaching (2)
71	1923935	WASHER, cover attaching screw (2)
72	453996	NUT, No. 8 hex. terminal (2)
73	1946143	WASHER, No. 8 terminal lock (2)
74	815540	WASHER, insulating
75	1965623	COVER
76	1965625	GASKET, cover
78	1958751	STUD, battery terminal
79	1917119	CONTACT and ROD
80	1950069	STUD, terminal switch
81	1937381	CLIP, terminal
83	1904436	LOCKWIRE
84	1904443	COLLAR, motor drive
85	1932354	SPRING, motor drive
86		GEAR AND SHAFT (Not furnished separately)
87	37335	BUSHING
	1872678	BUSHING, commutator end
	1955994	BUSHING, drive end
	1933999	BUSHING, lever housing
	1914873	INSULATION, field coil (2)
	1946012	GASKET, lever housing to drive housing
	1867150	OIL SEAL, lever housing
	453465	PLUG, commutator end pipe
	453465	PLUG, drive end pipe
	1961573	PLUG, lever housing pipe
	810819	PLUG, commutator end expansion (Cranking Motor B)

ELECTRICAL SYSTEM
(DT-361)

MEMORANDA

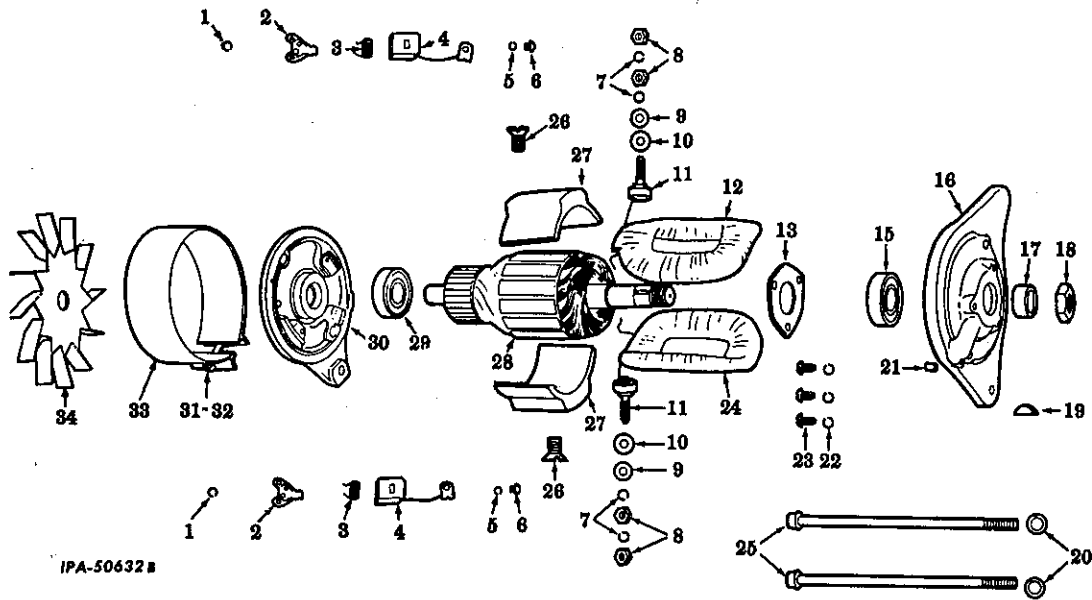
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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CRANKING MOTOR - CONTINUED
(Delco-Remy)

1935256		RETAINER, commutator end felt washer cup (Cranking Motor A)
1914593		RING, thru BOLT
142210		SCREW, ground (2 for Cranking Motor A)
453319		SCREW, ground in frame (2 for Cranking Motor B)
120217		WASHER, ground screw (2 for Cranking Motor A)
453435		WASHER, ground screw (2 for Cranking Motor B)
9415585		WASHER, brush attaching lock (2)
1935255		WASHER, felt commutator end
1950064		WASHER, terminal stud sealing (2)
1950071		WASHER, terminal stud
1916439		WICK, oil CE and DE
1947350		WICK, lever housing oil
1873796		BUSHING, oilless
1946542		GASKET, terminal end
1916272		"O" RING, between field frame & lever housing
1932354		SPRING
1904436		WIRE, lock

ELECTRICAL SYSTEM
(DT-36f)

GENERATOR
(Delco-Remy) (Standard) (Not Heavy Duty)



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1105233	GENERATOR ASSEMBLY, 24 volt
	119 258 R1	NUT, 1/2" Esna
	103 028	1/2NF NUT
	181 431	1/2NF x 1-1/2" hex-hd cap SCREW
	181 442	1/2NF x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER
1		Not Used
2	1944373	ARM, brush (2)
3	1903870	SPRING, brush (2)
4	1932506	BRUSH (2)
5	1914816	WASHER, brush lead attaching lock (2)
6	453460	SCREW, brush lead attaching (2)
7	1914579	WASHER, terminal stud lock (4)
8		Not Used
9	826319	WASHER, terminal stud plain (2)
10	1902746	WASHER, insulation terminal stud (2)
11	1858749	STUD, terminal (2)
12	1930237	COIL, RH field
13	1935923	PLATE, ball bearing retainer drive end
15	907056	BEARING, drive end ball
16	1934553	FRAME, drive end
17	1946069	COLLAR, outside drive end space
18	9418881	NUT, drive end shaft
19	124548	KEY, drive end (Woodruff)
20	9421424	WASHER, thru bolt lock (2)
21	809062	PIN, drive end dowel
22	1962276	WASHER, ball bearing retainer plate screw drive end lock (3)
23	1914580	SCREW, ball bearing retainer plate drive end (3)
24	1930236	COIL, LH field

ELECTRICAL SYSTEM
(DT-36f)

GENERATOR - CONTINUED
(Delco-Remy) (Standard) (Not Heavy Duty)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
25	809763	BOLT, thru (2)
26	1914750	SCREW, pole shoe (2)
27	1918004	SHOE, pole (2)
28	1963848	ARMATURE
29	907058	BEARING, commutator end ball
30	1938207	FRAME, commutator end
31	1935960	NUT, cover band
32	453479	SCREW, cover band
33	1879530	BAND, cover
34	1937227	FAN
	200362	CLIP, terminal to brush
	1913689	COLLAR, fan
	1955831	COVER, commutator end
	427261	KEY, commutator end (Woodruff)
	1915172	NUT, fan attaching
	809062	PIN, commutator end dowel
	823551	PLUG, drive end
	9411511	SCREW, field frame
	1917123	SCREW, cover attaching (3)
	1913688	SPACER, fan collar
	9421423	WASHER, field frame screw lock
	1905406	WASHER, drive end shaft nut plain
	809945	WASHER, commutator end space
	1962276	WASHER, cover attaching lock (3)
	1913743	WASHER, fan attaching lock

Always Give GENERATOR Number When Ordering Parts.

Model 1105233
Serial 1F17

-110-

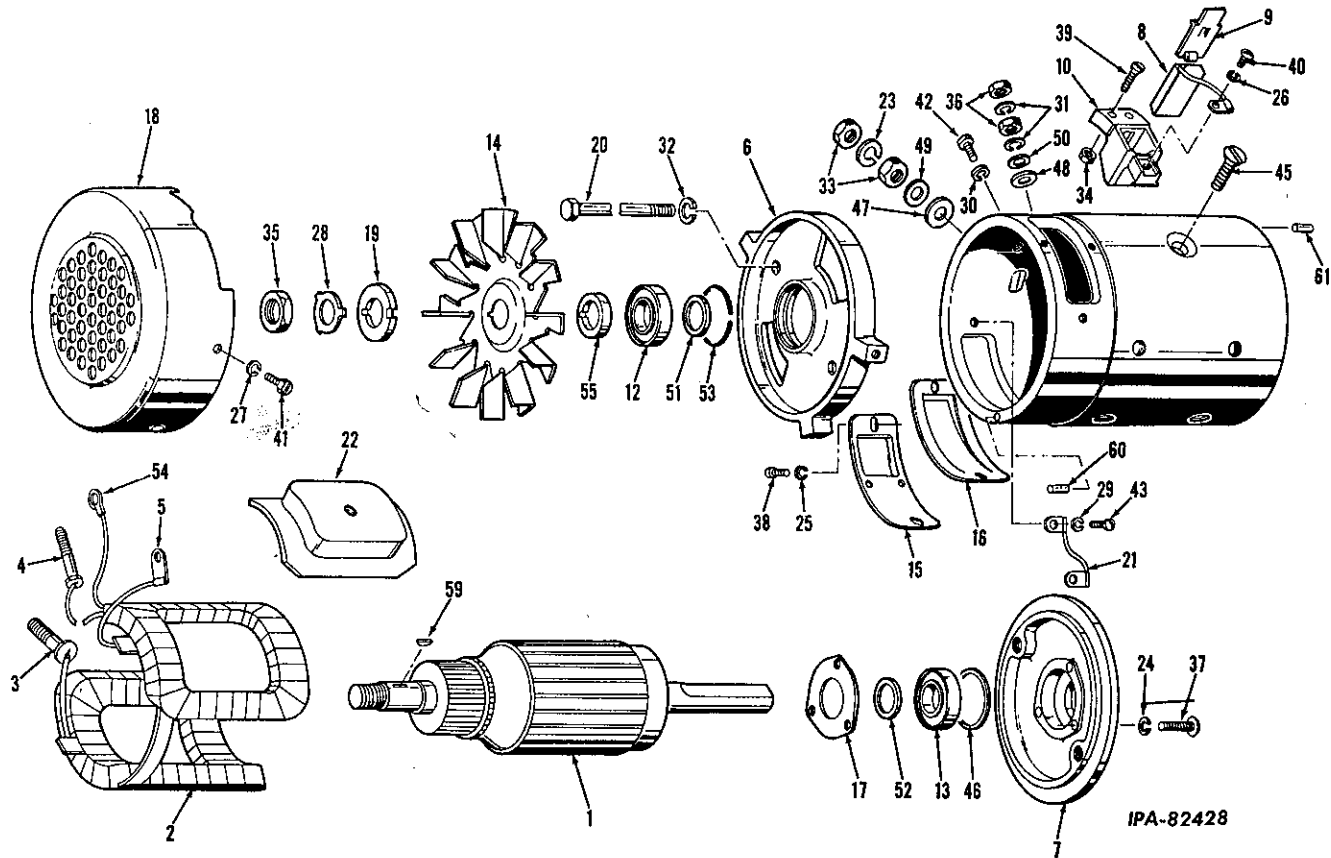
ELECTRICAL SYSTEM
(DT-361)

-110-

ELECTRICAL SYSTEM
(DT-361)

GENERATOR
(Delco-Remy) (Heavy Duty)
(Part of Heavy Duty Attachment 607 736 C91)

GENERATOR - CONTINUED
(Delco-Remy) (Heavy Duty)
(Part of Heavy Duty Attachment 607 736 C91)



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1105237	GENERATOR ASSY (24 volt)
1	1965980	ARMATURE
2	1930236	COIL, LH field
2	1930237	COIL, RH field
3	1858749	STUD, terminal (includes insulator)
4	1858749	STUD, terminal (includes insulator)
5		LEAD (Not Furnished Separately)
6	1962307	FRAME, commutator end
7	1962313	FRAME, drive end
8	1946404	BRUSH (2)
9	1947890	SPRING and SUPPORT ASSY, brush (2)
10	1947873	HOLDER, brush (2)
12	907055	BEARING, ball (commutator end)
13	907054	BEARING, ball (drive end)
14	1937227	FAN and BAFFLE (commutator end)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
15	1947887	PLATE, cover (field frame) (2)
16	1947888	GASKET, cover plate (2)
17	1954873	PLATE, ball bearing retainer (inside)
18	1948281	COVER, commutator end
19	1913689	COLLAR, fan (commutator end)
20	809763	BOLT, thru (2)
21	1947875	LEAD ASSY, brush to ground
22	1918004	SHOE, pole (2)
23	1914579	WASHER, terminal stud lock (2)
24	453435	WASHER, retainer plate attaching lock (4)
25	1946143	WASHER, cover plate attaching screw lock (8)
26	453844	WASHER, brush lead attaching screw lock (2)
27	1962276	WASHER, cover attaching screw lock (3)
28	1913743	WASHER, fan attaching nut lock

Always Give GENERATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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GENERATOR - CONTINUED
(Delco-Remy) (Heavy Duty)
(Part of Heavy Duty Attachment 607 736 C91)

29	1962276	WASHER, ground lead attaching screw lock
30	9421423	WASHER, ground screw lock (top of frame)
31	1914579	WASHER, terminal stud lock (2)
32	9421424	WASHER, thru bolt lock (2)
33	121743	NUT, terminal stud (2)
34	5024654	NUT, brush holder attaching screw (4)
35	1915172	NUT, fan attaching
36	121743	NUT, terminal stud (2)
37	274946	SCREW, retainer plate attaching (4)
38	453418	SCREW, cover plate attaching (8)
39	453337	SCREW, brush holder attaching (4)
40	453418	SCREW, brush lead attaching (2)
41	1917123	SCREW, cover attaching (3)
42	9411511	SCREW, ground (top of frame)
43	453319	SCREW, ground lead attaching
45	1914750	SCREW, pole shoe (2)
46	1948276	GASKET, ball bearing retainer plate
47	1902746	WASHER, insulating terminal stud
48	1902746	WASHER, insulating terminal stud
49	826319	WASHER, terminal stud plain
50	826319	WASHER, terminal stud plain
51	809945	WASHER, space commutator end (inside)
52	1948271	COLLAR, ball bearing drive end
53	1956299	CLAMP, ball bearing commutator end
54	200362	CLIP, terminal
55	1948272	SPACER, fan commutator end
59	427261	KEY, Woodruff commutator end
60	809062	PIN, dowel
61	809062	PIN, dowel
	1948273	BAFFLE, oil drive end
	1948268	BUSHING, hinge commutator end
	1948385	BUSHING, drive end (in mounting hinge)
	1948279	GASKET, ball bearing retainer plate commutator end
	124548	KEY, Woodruff drive end
	9418881	NUT, shaft drive end
	1948284	OIL SEAL, ball bearing retainer
	1948285	OIL SEAL, commutator end ball bearing retainer
	1948274	PLATE, ball bearing retainer (outside)
	1948277	RETAINER, ball bearing commutator end

ELECTRICAL SYSTEM
(DT-361)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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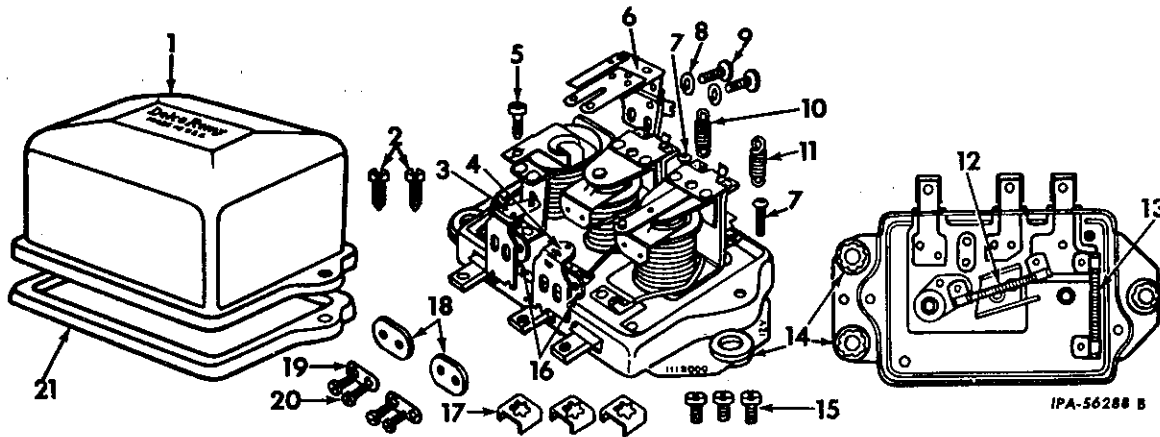
GENERATOR - CONTINUED
(Delco-Remy) (Heavy Duty)
(Part of Heavy Duty Attachment 607 736 C91)

9416183	SCREW, ball bearing retainer plate attaching (4)
453435	WASHER, ball bearing retainer plate attaching lock (4)
1905406	WASHER, shaft nut drive end

Always Give GENERATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-36i)

VOLTAGE REGULATOR
(Delco-Remy) (Not used with Heavy Duty Generator)



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

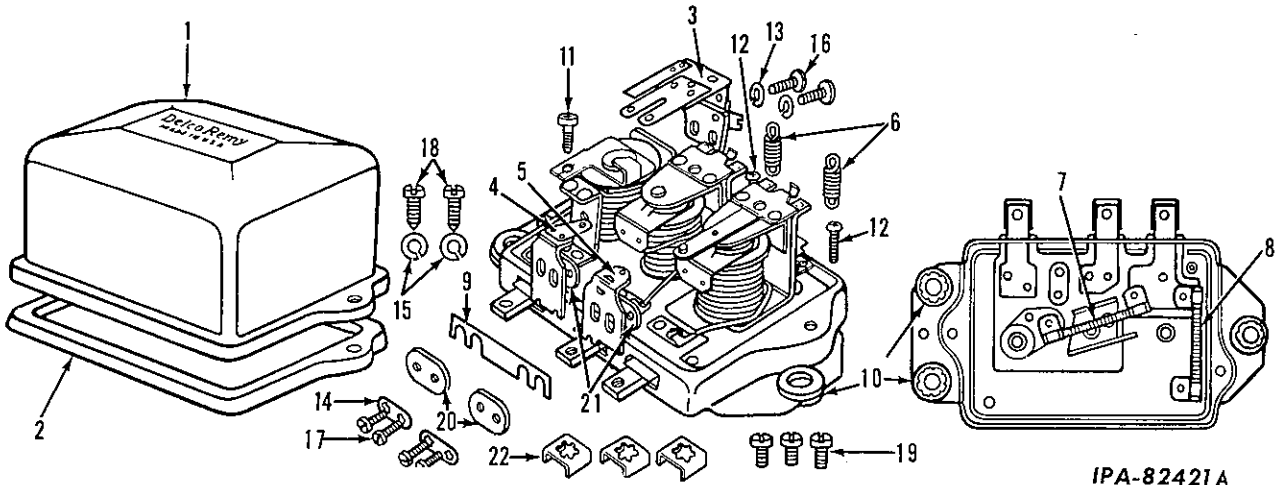
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1119233	REGULATOR ASSEMBLY, voltage (24 volt)
	179798	1/4 x 1-1/8" hex-hd cap SCREW (4)
	114604	1/4" external-tooth lock WASHER (4)
1	1931886	COVER
2	1943386	SCREW, cover (2)
3	1878517	SUPPORT, current regulator contact
4	1933239	SUPPORT, voltage regulator contact
5	1912159	SCREW, relay armature adjusting
6	1915896	ARMATURE
7	1944590	SCREW, regulator armature adjusting (2)
8	1914816	WASHER, relay armature attaching screw lock (2)
9	1924764	SCREW, relay armature attaching (2)
10	1912176	SPRING, current unit
11	1923517	SPRING, voltage unit
12	1910182	RESISTOR, "F" terminal to ground
13	1910182	RESISTOR, "F" terminal to relay

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
4	1879663	GROMMET (3)
15	1914800	SCREW, terminal (3)
16	1878507	WASHER, insulator regulator contact attaching screw (2)
17	1878503	CLAMP, terminal (3)
18	1922599	INSULATOR, regulator contact attaching screw (2)
19	1878505	WASHER, regulator contact attaching screw lock (2)
20	1878516	SCREW, regulator contact attaching (4)
21	1931887	GASKET, cover
	1933941	LEAD, ground
	124818	NUT, shock mount screw (3)
	273485	SCREW, shock mount attaching (3)
	9421423	WASHER, shock mount screw lock (3)
	1910966	PACKAGE, shock mount

Always Give VOLTAGE REGULATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-36I)

VOLTAGE REGULATOR
(Delco-Remy) (For Use With Heavy Duty Generator)
(Part of Heavy Duty Generator Attachment 607 736 C91)



IPA-82421A

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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	1119677	REGULATOR ASSY, voltage (24 volt) (Consists of the following parts -
1	1941663	COVER
2	1931887	GASKET
3	1942909	ARMATURE, relay
4	1878493	CONTACT and SUPPORT, current regulator
5	1939658	CONTACT and SUPPORT, voltage regulator
6	1912176	SPRING, regulator armature (current)
6	1959948	SPRING, regulator armature (voltage)
7	1957821	RESISTOR, relay to voltage circuit
7	1957821	RESISTOR, current to field
8	1956233	RESISTOR, current to ground
9	1939661	CONNECTOR, voltage and current
10	1879663	GROMMET, rubber (in base) (3)
11	1912159	SCREW, relay armature adjusting
12	1944590	SCREW, regulator adjusting (2)
13	1924764	SCREW, and lock WASHER ASSY, relay armature attaching (2)
14	1878505	WASHER, current regulator contact attaching screw lock
15	9421423	WASHER, shock mount attaching screw lock (2)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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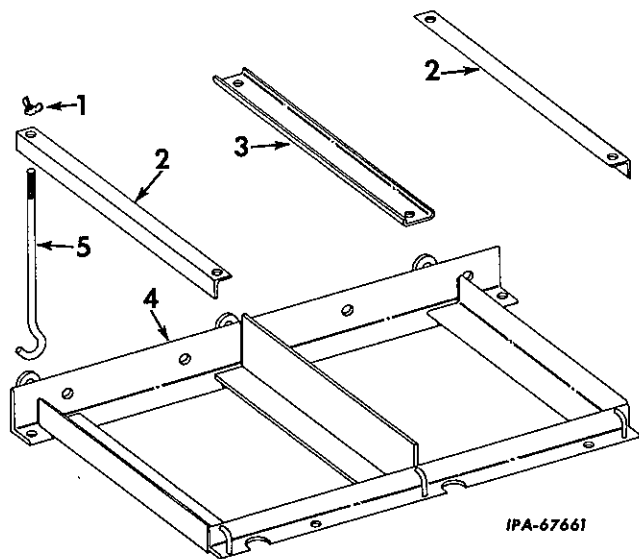
16	1924764	SCREW and lock WASHER ASSY, relay armature attaching (2)
17	1878516	SCREW, current regulator contact attaching (3)
18	1943386	SCREW, cover (2)
19	1914800	SCREW, terminal (3)
20	1922599	BUSHING, current regulator contact attaching screw
21	1878507	WASHER, current regulator attaching screw insulating
22	1878503	CLAMP, terminal (3)
	1855978	CLAMP, ground screw (in base)
	1939659	INSULATOR, voltage contact support
	1933941	LEAD ASSY, ground
	1910966	PACKAGE, shock mount
	124818	NUT, shock mount attaching screw (3)
	273485	SCREW, shock mount attaching (3)
	1960638	RESISTOR, voltage adjusting (680 ohm)
	1953365	RESISTOR, voltage adjusting (300 ohm)
	1953362	RESISTOR, voltage adjusting (200 ohm)
	1953364	RESISTOR, voltage adjusting (100 ohm)
	1943386	SCREW, ground (in base)
	1950276	SCREW and lock WASHER, voltage adjusting

Always Give VOLTAGE REGULATOR Number When Ordering Parts.

ELECTRICAL SYSTEM

(DT-36I)

BATTERY SUPPORT
 TD-15BP 6001 to 8362
 TD-15BG 7260 to 8362
 TD-15B(Agr)BGA 7260 to 8362

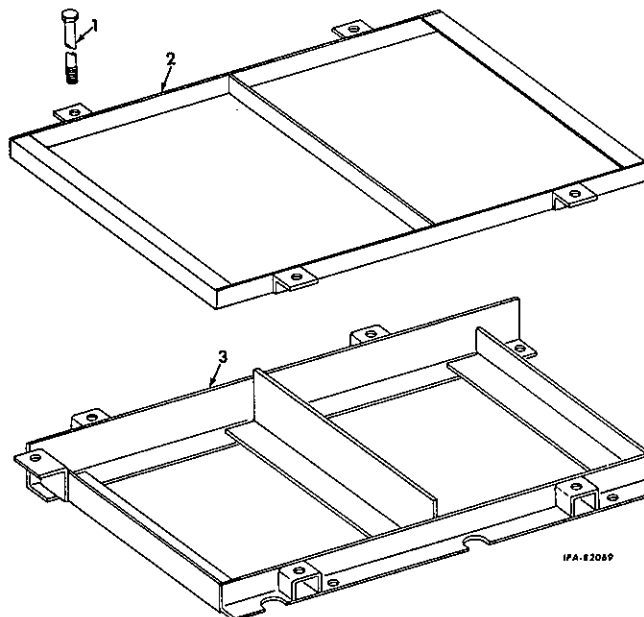


REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	331 127 R1	NUT, 3/8" wing (6)
	103 341	13/32 x 13/16" x 16 ga WASHER (6)
2	325 263 R1	HOLD DOWN, battery outer (2)
3	325 261 R11	HOLD DOWN, battery center
4	331 997 R91	SUPPORT, battery
		(Order the following parts -
	1	FRAME 603 481 C91
	4	BOLT 20 141 R1
	4	WASHER, 3/8" lock 103 321
	4	WASHER, 7/16 x 7/8" x 16 ga. (cd or zn-pltd) 22 196 R1
	1	SUPPORT 603 478 C91
	2	NUT, 7/16" 271 500
	2	SCREW, 3/8 x 7/8" hex-hd cap 179 838
	2	SCREW, 7/16 x 1-1/8" hex-hd cap 179 859
	2	WASHER, 3/8" lock 103 321
	2	WASHER, 13/32 x 13/16" x 16 ga. 103 341
	2	WASHER, 7/16" lock 103 322
	2	WASHER, 15/32 x 59/64" x 16 ga. 103 342
5	325 260 R1	HOOK, battery hold down (6)

ELECTRICAL SYSTEM

(DT-36I)

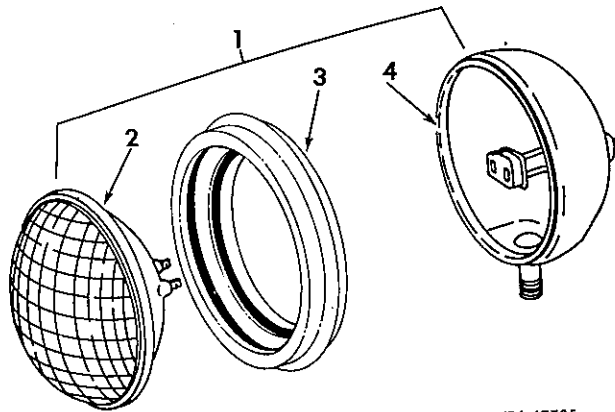
BATTERY SUPPORT
 TD-15BP 8363 up
 TD-15BG 8363 up
 TD-15B(Agr)BGA 8363 up
 TD-15BPS 9371 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	20 141 R1	BOLT, battery hold down (4)
	103 321	3/8" lock WASHER (4)
	446 212	7/16 x 7/8" x 16 ga (cd or zn-pltd) WASHER (4)
2	603 481 C91	FRAME, battery hold down
3	603 478 C91	SUPPORT, battery
	271 500	7/16" NUT (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	179 859	7/16 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 322	7/16" lock WASHER (2)
	103 342	15/32 x 59/64" x 16 ga WASHER (2)

ELECTRICAL SYSTEM
(DT-361)

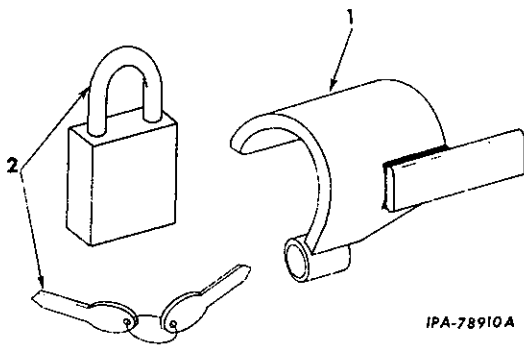
HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT
(Guide Lamp)



IPA-67725

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	338 814 R91	HEADLIGHT, REAR LIGHT and RH AUXILIARY REAR LIGHT ASSY (Optional with 327 189 R91) (4)
	103 028	1/2NF NUT (4)
	103 323	1/2" lock WASHER (4)
	446 229	9/16 x 1-1/4" x 16 ga WASHER (4)
	600 658 C1	WASHER, lower (4)
2	273 560	UNIT, sealed (4)
3	338 896 R1	RETAINER, light (4)
4		SHELL (Not Furnished Separately) (4)

MASTER SWITCH LOCK, AND PADLOCK WITH KEYS

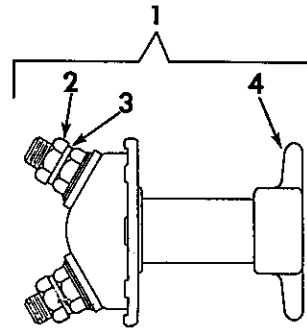


IPA-78910A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	314 751 R31	LOCK, master switch
	109 084	1/4" NUT
	179 800	1/4 x 1-3/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	147 577	1/4" flat WASHER (2)
	314 753 R1	SPACER, master switch lock
	16 558 R1	WASHER, master switch lock flat
2	276 278 R91	PADLOCK w/Keys

ELECTRICAL SYSTEM
(DT-361)

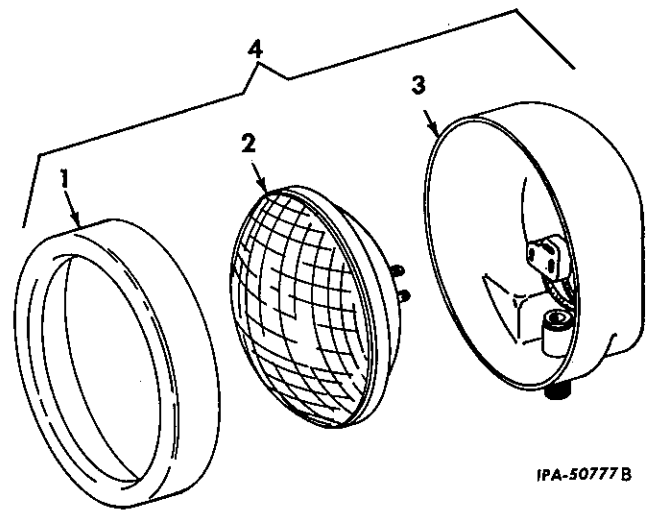
MASTER SWITCH
(Delco-Remy)



IPA-60759

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	1996495	SWITCH ASSY, master (Order 1996496)
1	1996496	SWITCH ASSY, master (will work for 1996495)
	109084	1/4" NUT
	179795	1/4 x 3/4" hex-hd cap SCREW
	103319	1/4" lock WASHER
2	453787	NUT, terminal (2)
3	9421425	WASHER, terminal nut lock (used with SWITCH, 1996496) (2)
4	1886953	KNOB, control (part of Switch Assy. 1 996 495)
	132110	SCREW, knob attaching
	9422354	WASHER, knob attaching screw lock

HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT
(Hobbs)

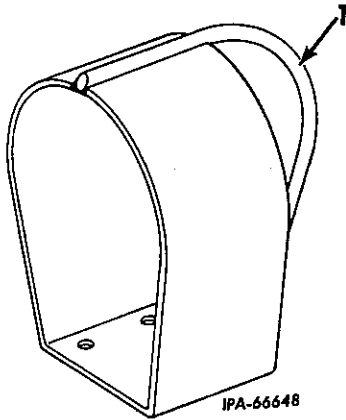


IPA-50777B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	313 957 R1	RETAINER, light (4)
2	273 560	UNIT, sealed (4)
3		SHELL (Not Furnished Separately) (4)
4	327 189 R91	HEADLIGHT, REAR LIGHT and RH AUXILIARY REAR LIGHT ASSY (Optional with 338 814 R91) (4)
	103 028	1/2NF NUT (4)
	103 323	1/2" lock WASHER (4)
	446 229	9/16 x 1-1/4" x 16 ga WASHER (4)
	600 658 C1	WASHER, lower (4)

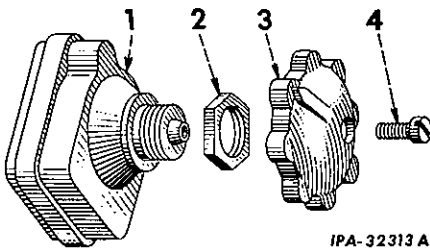
ELECTRICAL SYSTEM
(DT-361)

HEADLIGHT, REAR LIGHT AND RH AUXILIARY
REAR LIGHT BRUSH GUARD



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	334 303 R91	ATTACHMENT, lamp guard (See NOTE 3) (Consists of the following parts -
1	330 714 R11	GUARD, light (Also part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92)

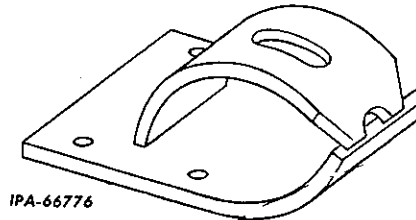
LIGHTING SWITCH
(Delco-Remy) (For Units Equipped With Roosa-Master Fuel Injection Pump)



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	1994053 141706	SWITCH, lighting 1 1/16" internal-tooth lock WASHER
2	1882012	NUT, lighting switch mounting
3	1930685	KNOB, lighting switch
4	1864099	SCREW, lighting switch knob mounting No. 8 cd-pltd lock WASHER

ELECTRICAL SYSTEM
(DT-361)

HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT BRACKET



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	331 145 R91	BRACKET, headlight, rear light and RH auxiliary rear light (not used with headlight and rear light brush guard) (4)
	271 500	7/16" NUT (used with RH auxiliary rear light only) (4)
	179 857	7/16 x 7/8" hex-hd cap SCREW (used with headlight and rear light) (12)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (used with RH auxiliary rear light only) (4)
	103 322	7/16" lock WASHER (16)

RH AUXILIARY REAR LIGHT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	604 048 C92	ATTACHMENT, RH rear auxiliary light (not used on units equipped with 110, 260 single drum or 260 double drum cable control units) (See NOTES 1 and 3) Consists of the following parts -
	331 145 R91	BRACKET, auxiliary rear light (used with RH Rear Auxiliary Light ATTACHMENT, 604 048 C91) (*)
	271 500	7/16" NUT (4)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
	330 714 R11	GUARD, auxiliary rear light brush (used with RH Rear Auxiliary Light ATTACHMENT, 604 048 C92) (§)
	271 500	7/16" NUT (4)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
	358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)
	263 514 R91	CLIP, cable (on front inner bolt of rear light bracket) (#)
	362 120 R1	CLIP, cable (on top inner bolt on RH of front of fuel tank) (#)
	362 120 R1	CLIP, cable (on top and bottom bolts of rear RH seat side sheets) (#) (2)
	338 814 R91	LIGHT, auxiliary rear flood (Optional with 327 189 R91) (%)
	327 189 R91	LIGHT, auxiliary rear flood (Optional with 338 814 R91) (%)
	103 028	1/2NF NUT
	103 321	1/2" lock WASHER
	330 717 R1	WASHER, upper light mounting
	330 718 R1	WASHER, lower light mounting

(§) - Also Listed And Illustrated With "Headlight, Rear Light And RH Auxiliary Rear Light Brush Guard."

(%) - Also Listed And Illustrated With "Headlight, Rear Light And RH Auxiliary Rear Light."

(*) - Also Listed And Illustrated With "Headlight, Rear Light And Auxiliary Rear Light Bracket."

(#) - Also Listed And Illustrated With "Electric Starting And Lighting."

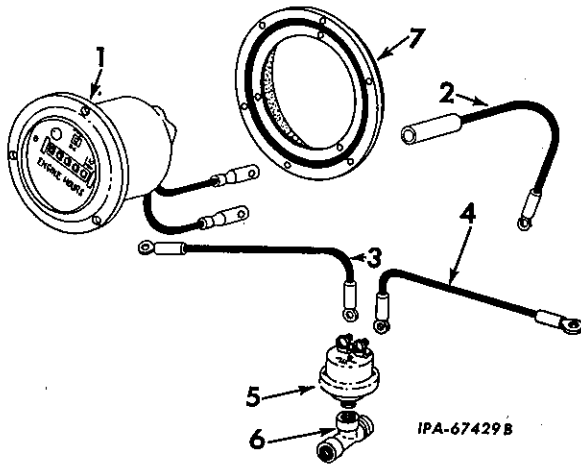
NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-361)

HOURLMETER



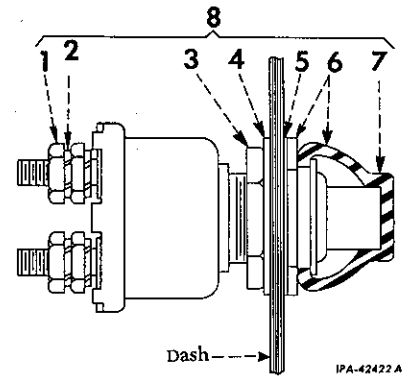
REF. NO.	I.H. PART NUMBER	DESCRIPTION
A		Service Parts for Hourmeter TD-15BP 6889 up TD-15BG 7260 up TD-15BGA 7260 up TD-15BPS 9371 up
B	337 554 R91	ATTACHMENT, electric hourmeter (see NOTE 3) TD-15BP 6001 to 6888
1	624 552 C91 103 091 132 705 114 601	HOURLMETER No. 6 NUT (3) No. 6 x 1/2" slt-rd-hd SCREW (3) No. 6 lock WASHER (3)
2	267 811 R91	CABLE, positive terminal on ammeter to positive terminal on hourmeter)
3	341 874 R91	CABLE, pressure switch to ground
4	341 873 R91	CABLE, feed thru connector to pressure switch
5	132 244 R91	SWITCH, pressure
6	444 253	TEE, 1/8" male x 1/8" female x 7/16" female
7	264 674 R91 132 705 114 601	DAMPENER, hourmeter vibration (Hourmeter A) No. 6 x 1/2" slt-rd-hd mach SCREW (3) No. 6 lock WASHER (3)
	444 163	ELBOW, 1/8 x 90° street

ELECTRICAL SYSTEM

(DT-361)

STARTING SWITCH

(Delco-Remy) (For Manual Shift Crawler Tractors)



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	453433	NUT, terminal (2)
2	453296	WASHER, terminal nut lock (4)
3	1855936	NUT, inner mounting
4	138557	WASHER, lock mounting nut
5	1913828	WASHER, mounting nut plain
6	1956191	NUT w/BOOT, outer mounting
7		BOOT (Not Furnished Separately)
8	1996097	SWITCH ASSY, starting

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(DT-361)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
GASKET SET		
345 288 R93		GASKET SET, cylinder head, includes the following:
105 451		GASKET, 3/8" annular (6)
326 523 R1		GASKET, exhaust manifold (6)
326 818 R1		GASKET, thermostat housing elbow (2)
326 820 R1		GASKET, thermostat housing
327 755 R1		GASKET, air intake
327 761 R1		GASKET, turbocharger adapter
328 678 R1		GASKET, valve cover
609 402 C1		GASKET, breather cover
334 035 R1		GASKET, elbow air intake upper
606 073 C2		GASKET, cylinder head
341 461 R1		GASKET, turbocharger oil inlet
341 464 R1		GASKET, turbocharger oil drain
601 076 C1		GASKET, nozzle (6)
364 879 R1		"O" RING, injection nozzle dust (7/8 x 1-1/16 x 3/32") (6)
915 500 R1		SLEEVE, leakoff tube (6)

GASKET SET

345 287 R92		GASKET SET, crankcase, includes the following:
3 405 H		GASKET, drain plug
278 347 R1		GASKET, injection pump R.D.
304 573 R1		GASKET, cranking motor
318 335 R1		GASKET, fuel line screw (12)
326 580 R1		GASKET, front cover
326 582 R1		GASKET, injection pump cover
326 597 R1		GASKET, oil cooler inlet and outlet (2)
326 813 R1		GASKET, oil cooler front and rear (2)
328 731 R1		GASKET, oil pan
328 735 R1		GASKET, front plate
328 739 R1		GASKET, valve lifter cover (2)
328 762 R1		GASKET, oil filler elbow
328 842 R1		GASKET, injection pump mounting plate
328 846 R1		GASKET, flywheel housing
601 381 C1		GASKET, oil pump cover
328 892 R1		GASKET, water pump
328 939 R1		GASKET, cooler header
332 303 R1		GASKET, seal face plate
332 536 R1		GASKET, oil pump mounting
332 549 R1		GASKET, oil pump inlet
332 554 R1		GASKET, crankcase oil outlet
332 555 R1		GASKET, oil cooler inlet and outlet (2)

MISCELLANEOUS
(DT-361)

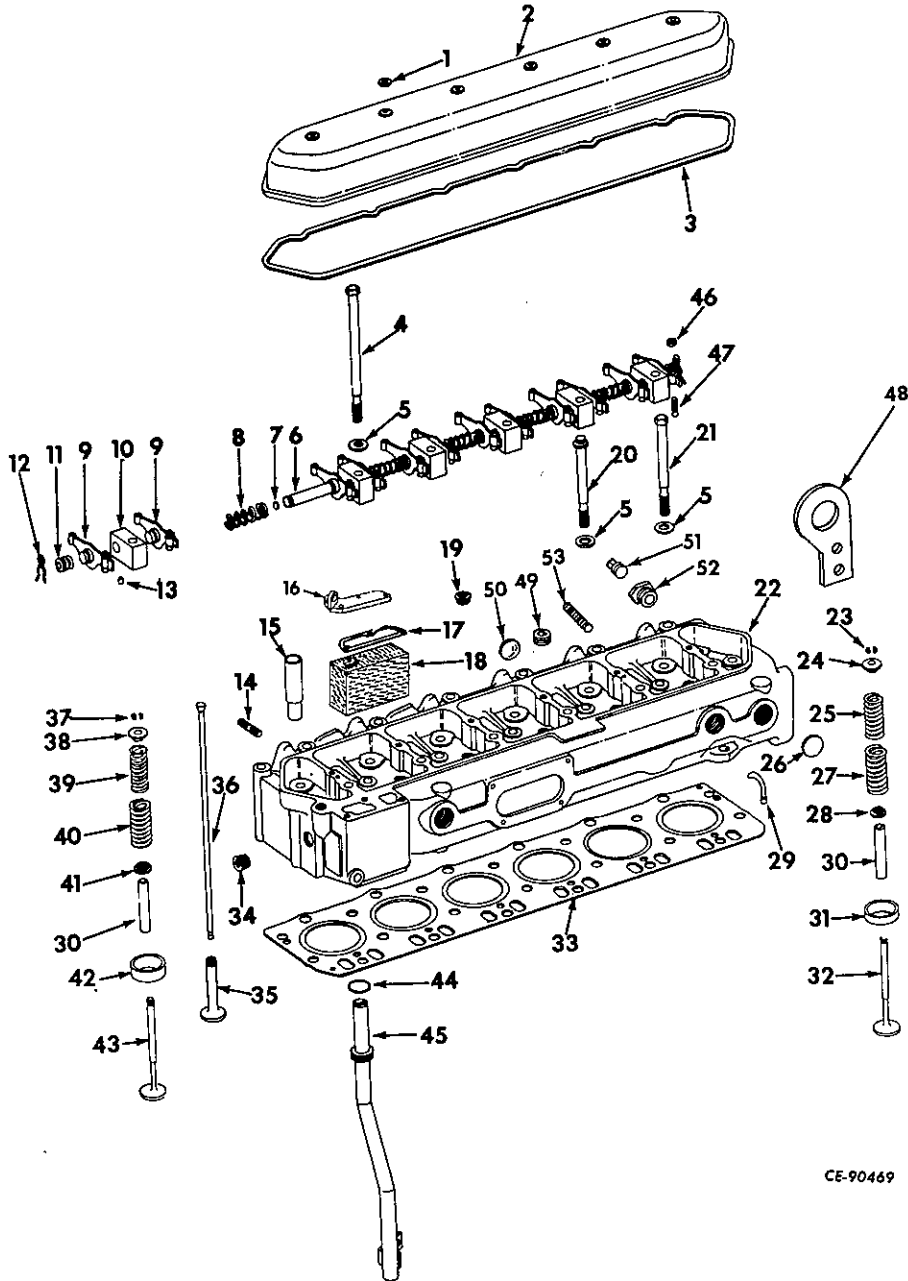
REF. NO.	I. H. PART NUMBER	DESCRIPTION
GASKET SET - CONTINUED		
332 566 R1		GASKET, flange
337 242 R1		GASKET, cooler header front and rear (2)
345 247 R1		GASKET, oil cooler header
252 735 R1		"O" RING, equipment pump drive cover
384 149 R1		"O" RING, flywheel housing cover
382 781 R1		"O" RING, oil pump end plug
308 459 R1		"O" RING, filter bolt (2)
285 253 R1		"O" RING, water pump bearing housing
343 396 R2		"O" RING, crankcase to pump tube (2)
343 398 R2		"O" RING, cooler to filter tube (2)
343 398 R2		"O" RING, filter header to cooler header tube
343 398 R2		"O" RING, pump to cooler tube (2)
343 831 R1		"O" RING, power take-off drive (2)
346 895 R1		"O" RING, injection pump (Roosa-Master)
349 055 R2		"O" RING, oil pump safety valve
350 818 R1		"O" RING, breather tube
343 396 R1		"O" RING, cooler to filter tube (2)
360 610 R1		"O" RING, idler gear shaft
303 545 R1		RING, sealing
119 937		WASHER, filter drain (2)
59 657 D		WASHER, filter bolt (2)
345 441 R1		WASHER, bolt

DT-407 DIESEL ENGINE

DIESEL ENGINE

(DT-407)

CYLINDER HEAD, VALVE COVER, VALVES AND
ROCKER ARMS



CE-90469

DIESEL ENGINE
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS - CONTINUED		
1	105 451	GASKET, 3/8" annular (6)
2	601 390 C1 17 673 R2	COVER, cylinder head valve SCREW, 3/8 x 3-1/2" hex-hd cap (6)
3	328 678 R1	GASKET, valve cover
4	601 783 C1	BOLT, cylinder (long) (4)
5	326 515 R1	WASHER, cylinder head bolt (26)
6	326 509 R11	SHAFT w/two PLUG, 109 544 R1 rocker arm
7	109 544 R1	PLUG, 3/4" expansion (2)
8	16 045 D	SPRING, intermediate rocker (5)
9	341 074 R92	ARM, w/NUT, 133 093 R1 and SCREW, 16 067 DA rocker (optional with rocker arm 58 446 HEY) (12)
9	58 446 HEY	ARM, w/NUT, 133 093 R1 and SCREW, 16 067 DA, rocker (optional with rocker arm 341 074 R92) (12)
10	326 510 R2	BRACKET, shaft (6)
11	16 043 D 16 051 D	SPRING, front and rear rocker (2) WASHER, rocker spring (2)
12	133 927 R1	RING, snap (2)
13	17 244 R1	PIN, 5/16 x 1-1/4" roll (2)
14	250 450 R1	STUD, manifold (8)
15	326 503 R1	SLEEVE, injector (6)
16	345 410 R91 179 840 179 906 103 321 103 324	EYE, front lifting 3/8 x 1-1/8" hex-hd cap SCREW (3) 9/16 x 1-1/2" hex-hd cap SCREW 3/8" lock WASHER (3) 9/16" lock WASHER
17	609 402 C1	GASKET, breather cover
18	330 397 R2	ELEMENT, breather
19	9 409 949	PLUG, 3/4" sq-soc pipe (6)
20	601 781 C1	BOLT, cylinder head (short) (7)
21	601 782 C1	BOLT, cylinder head (med) (13)
22	670 323 C92	HEAD ASSY, cylinder (Composed of - 1 BUSHING 142 765 12 GUIDE 326 505 R3 § 1 HEAD § 6 INSERT 6 INSERT 670 301 C1 1 PLUG 444 588 1 PLUG 444 654 1 PLUG 444 678 4 PLUG 601 244 C1 6 PLUG 9 409 949 5 PLUG 601 093 C1 6 SLEEVE 326 503 R1 8 STUD 250 450 R1 4 STUD 612 267 C1 6 TUBE 326 504 R1)
23	32 485 D	LOCK, intake valve spring retainer (12)
24	615 324 C1	RETAINER, intake valve spring (6)
25	62 264 VA	SPRING, intake valve inner (6)
26	601 093 C1	PLUG, core hole (5)
27	62 265 VA	SPRING, intake valve outer (6)
28	341 284 R1	SPACER, valve spring (6)
29	326 504 R1	TUBE, jet (6)
30	326 505 R3	GUIDE, valve (12)

DIESEL ENGINE
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS - CONTINUED		
31	349 023 R1	INSERT, intake valve seat (.005" oversize) (*)(X)
31	349 024 R1	INSERT, intake valve seat (.015" oversize) (*)(X)
31	670 807 C1	INSERT, intake valve seat (.005" oversize) (%) (X)
31	670 808 C1	INSERT, intake valve seat (.015" oversize) (%) (X)
32	670 308 C1	VALVE, intake (optional w/VALVE, 343 433 R2) (Used w/Head Assy. without intake valve inserts) (6)
32	343 433 R2	VALVE, intake (optional w/VALVE, 670 308 C1) (Used w/Head Assy. without intake valve inserts) (6)
32	670 811 C1	VALVE, intake (optional w/VALVE, 670 812 C1) (Used w/Head Assy. equipped with intake valve inserts) (6)
32	670 812 C1	VALVE, intake (optional w/VALVE, 670 811 C1) (Used w/Head Assy. equipped with intake valve inserts) (6)
33	670 672 C1	GASKET, cylinder head
34	444 678	PLUG, 1" sq-soc pipe
35	16 040 DD	TAPPET, valve (12)
36	343 465 R91	ROD, valve push (12)
37	32 485 D	LOCK, exhaust valve spring retainer (12)
38	615 324 C1	RETAINER, exhaust valve spring (6)
39	160 907 R1	SPRING, exhaust valve inner (6)
40	160 908 R1	SPRING, exhaust valve outer (6)
41	343 734 R91	ROTOCOIL, exhaust valve (6)
42	670 301 C1	INSERT, exhaust valve seat (standard) (6)
42	670 303 C1	INSERT, exhaust valve seat (.005" oversize) (X)
42	670 304 C1	INSERT, exhaust valve seat (.015" oversize) (X)
43	341 350 R1	VALVE, exhaust (optional with 612 313 C1) (6)
43	612 313 C1	VALVE, exhaust (optional with 341 350 R1) (6)
44	350 818 R1	"O" RING, breather tube (1 x 1-1/4 x 1/8")
45	328 957 R11 179 835 103 321	TUBE, breather outlet 3/8 x 5/8" hex-hd cap SCREW 3/8" lock WASHER
46	133 093 R1	NUT, rocker arm adjusting (12)
47	16 067 DA	SCREW, rocker arm adjusting (12)
48	330 267 R1 179 861 103 342	EYE, rear lifting 7/16 x 1-3/8" hex-hd cap SCREW (2) 15/32 x 59/64 x 16 ga WASHER (2)
49	444 654	PLUG, 1/4" sq-soc pipe
50	601 244 C1	PLUG, 1-1/4" sq-soc pipe (4)
51	444 588	PLUG, 1/2" sq-hd pipe
52	142 765	BUSHING, 1-1/4 x 1/2"
53	612 267 C1	STUD, manifold (4)

(* - For Cylinder Head Assy's. 670 323 C91, that have
been previously machined for the deep inserts.

(%) - For Cylinder Head Assy's. 670 323 C91 and 670 323 C92,
that did not have oversize inserts.

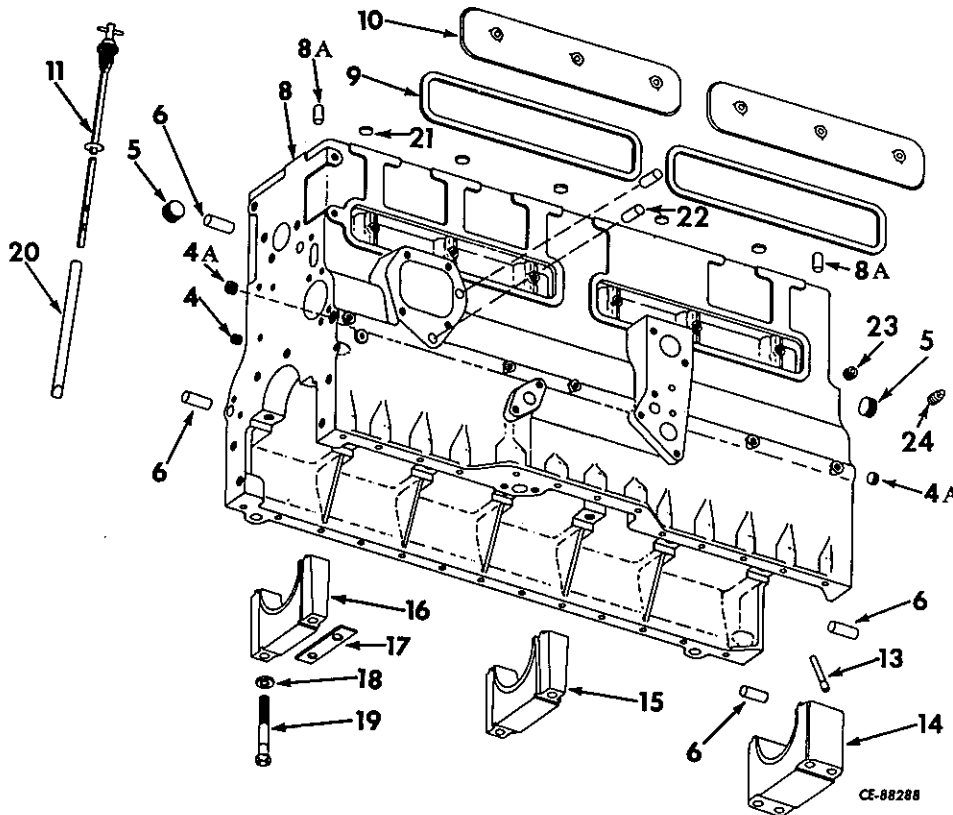
X - As Required.

§ - Not Furnished Separately.

DIESEL ENGINE

(DT-407)

CRANKCASE AND RELATED PARTS



DIESEL ENGINE

(DT-407)

CRANKCASE AND RELATED PARTS - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	315 365 R1	PLUG, metering
4A	444 782	PLUG, 3/8" pipe (2)
5	22 263 R1	PLUG, 1-5/8" cup (5)
6	19 838 R1	DOWEL (4)
8	670 896 C92	CRANKCASE ASSY (Composed of -
	1	ADAPTER 670 534 C1
	2	BEARING 7 911 T
	1	BEARING 70 260 R
	1	BEARING 77 514 R1
	1	BEARING 332 573 R1
	1	BEARING 332 629 R1
	1	BRACE 332 574 R2
	14	BOLT 328 729 R1
	1	CAP 349 048 R1
	1	CAP 349 049 R1
	5	CAP 349 050 R1
	61	CRANKCASE
	4	DOWEL 19 838 R1
	2	DOWEL 19 962 R1
	2	DOWEL 258 917 R1
	1	DRAWING, crankcase rework IZG-8526

REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	670 896 C92	CRANKCASE ASSY - Continued (Composed of - Continued
	3	PLUG 445 684
	3	PLUG 444 782
	5	PLUG 22 263 R1
	1	PLUG 444 667
	2	PLUG 50 410 DA
	1	PLUG 315 365 R1
	5	PLUG 347 822 R1
	6	SLEEVE
	13	WASHER 326 515 R1)
8A	258 917 R1	DOWEL, pin (2)
9	328 739 R1	GASKET, cover (2)
10	601 812 C1	COVER, valve lift rod (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (6)
	302 861 R1	WASHER (7)
11	607 299 C91	GAUGE, oil level (not used with Dipstick Lock ATTACHMENT 628 011 C91)
13	343 464 R1	TUBE, oil jet (12)
14	349 049 R1	CAP, rear main bearing

§ - Not Furnished Separately.

DIESEL ENGINE

MEMORANDA

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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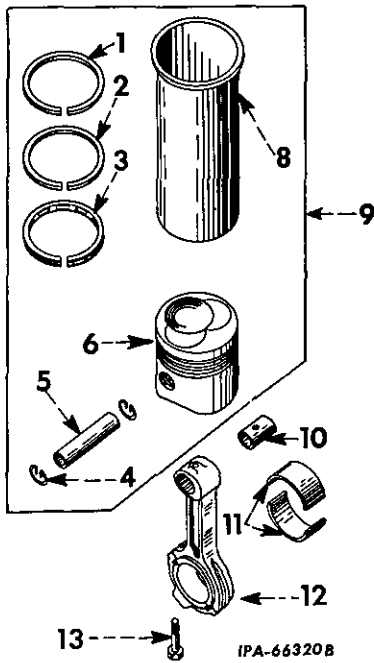
CRANKCASE AND RELATED PARTS - CONTINUED

15	349 050 R1	CAP, intermediate main bearing (5)
16	349 048 R1	CAP, front main bearing
17	332 574 R2	BRACE, oil pump inlet
18	326 515 R1	WASHER, bearing cap (13)
19	328 729 R1	BOLT, main bearing cap (14)
20	607 296 C11	TUBE, oil filler
	362 120 R1	CLIP, generator cable harness (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
21	347 822 R1	PLUG, core hole (5)
22	19 962 R1	DOWEL (3/8 x 3/4") (2)
23	50 410 DA	PLUG, 1/8" hex-soc pipe (2)
24	445 684	PLUG, 1/8" sq-hd pipe (optional with 445 671) (3)
24	445 671	PLUG, 1/8" sq-hd pipe (optional with 445 684) (3)
	670 534 C1	ADAPTER (not required for this engine; use PLUG, 20 975 R1)
	20 975 R1	PLUG, 1-1/4" pipe (will work for ADAPTER, 670 321 C1)
678 001 C92	PACKAGE, crankcase field service (X) (Composed of -	
	6	BEARING 323 962 R11
	1	BEARING 328 771 R91
	5	BEARING 328 774 R91
	1	BEARING 328 777 R91
	1	CRANKCASE 670 896 C92
	12	JETS 343 464 R1
	1	PACKAGE 670 027 C92
	1	PACKAGE 670 324 C92
	1	PACKAGE 670 325 C93
	1	PACKAGE 606 780 C93)

(X) As Required

DIESEL ENGINE
(DT-407)

CONNECTING RODS, PISTONS AND CYLINDER SLEEVES



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	625 390 C1	RING, piston (top compression) (optional with RING, 627 086 C1) (koppers) (6)
1	627 086 C1	RING, piston (top compression) (optional with RING, 625 390 C1) (Sealed Power) (6)
2	627 087 C1	RING, piston (intermediate compression) (optional with RING, 625 392 C1) (Sealed Power) (6)
2	625 392 C1	RING, piston (intermediate compression) (optional with RING, 627 087 C1) (koppers) (6)
3	627 085 C1	RING, piston (oil regulating) (optional with RING, 625 393 C1) (Sealed Power) (6)
3	625 393 C1	RING, piston (oil regulating) (optional with RING, 627 085 C1) (koppers) (6)
4	326 751 R1	RETAINER, piston pin (12) 407TC2 U000501 to 36041
4	326 874 R1	RETAINER, piston pin (12) 407TC2 U036042 and up
5	670 571 C1	PIN, piston (6) 407TC2 U000501 to 36041
5	670 675 C1	PIN, piston (6) 407TC2 U036042 and up
6	670 294 C1	PISTON (6) 407TC2 U000501 to 36041
6	670 677 C1	PISTON (6) 407TC2 U036042 and up

DIESEL ENGINE
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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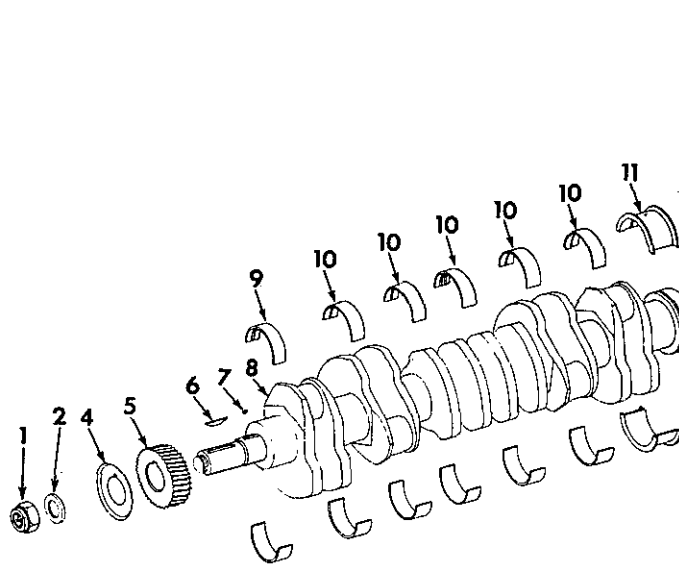
CONNECTING RODS, PISTONS AND CYLINDER SLEEVES - CONTINUED

8	670 014 C11	SLEEVE w/installation INSTRUCTIONS, 1 085 368 R2, cylinder (.002" oversize) (6)
8	670 293 C21	SLEEVE, w/installation INSTRUCTIONS, 1 085 368 R2, cylinder (6)
9	670 297 C92	PACKAGE w/installation INSTRUCTIONS, 1 085 369 R1 (X) 407TC2 U000501 to 36041
9	670 725 C91	PACKAGE w/installation INSTRUCTIONS, 1 085 369 R1 (X) 407TC2 U036042 and up
10	326 562 R1	BUSHING, connecting rod (6) 407TC2 U000501 to 36041
10	670 681 C1	BUSHING, connecting rod (6) 407TC2 U036042 and up
11	323 962 R11	BEARING, connecting rod (two halves) (standard) (6)
11	341 573 R11	BEARING, connecting rod (two halves) (.002" undersize) (6)
11	341 576 R11	BEARING, connecting rod (two halves) (.010" undersize) (6)
11	341 579 R11	BEARING, connecting rod (two halves) (.020" undersize) (6)
11	341 582 R11	BEARING, connecting rod (two halves) (.030" undersize) (6)
12	341 113 R94	ROD w/two BOLT, 326 563 R2 and BUSHING, 326 562 R1, connecting (6) 407TC2 U000501 to 36041
12	670 678 C91	ROD w/two BOLT, 326 563 R2 and BUSHING, 670 681 C1 connecting (6) 407TC2 U036042 and up
13	326 563 R2	BOLT, connecting rod (12)
	627 090 C91	PACKAGE, piston ring field service (consists of six RING, 627 086 C1, six RING, 627 087 C1 and six RING, 627 085 C1) (Sealed Power) (optional with PACKAGE, 625 430 C91)
	625 430 C91	PACKAGE, piston ring field service package (consists of six RING, 625 390 C1, six RING, 625 392 C1 and six RING, 625 393 C1) (Koppers) (optional with PACKAGE 627 090 C1)

X - As Required.

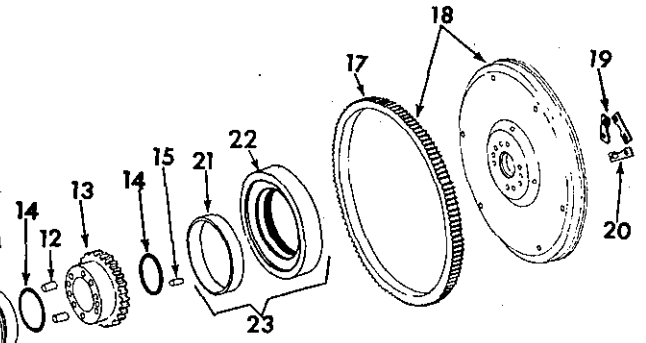
DIESEL ENGINE
(DT-407)

CRANKSHAFT, BEARING AND FLYWHEEL



DIESEL ENGINE
(DT-407)

CRANKSHAFT, BEARING AND FLYWHEEL - CONTINUED



CE-89257

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	625 348 C1	NUT, starting
2	116 451 H	WASHER, starting nut
4	612 280 C1	SLINGER, oil
5	326 705 R1	GEAR, crankshaft
6	332 421 R2	KEY, vibration damper
7	124 556	KEY, 1/4 x 1-1/8" (Woodruff No. 18)
8		CRANKSHAFT (standard) (order PACKAGE, 670 020 C91)
8		CRANKSHAFT (renewal) (order PACKAGE, 670 021 C91)
9	328 771 R91	BEARING, crankshaft front (two halves) (standard)
9	341 536 R91	BEARING, crankshaft front (two halves) (.002" undersize)
9	341 545 R91	BEARING, crankshaft front (two halves) (.010" undersize)
9	341 554 R91	BEARING, crankshaft front (two halves) (.020" undersize)
9	341 563 R91	BEARING, crankshaft front (two halves) (.030" undersize)
10	328 774 R91	BEARING, crankshaft intermediate (two halves) (standard) (5)
10	341 539 R91	BEARING, crankshaft intermediate (two halves) (.002" undersize) (5)
10	341 548 R91	BEARING, crankshaft intermediate (two halves) (.010" undersize) (5)
10	341 557 R91	BEARING, crankshaft intermediate (two halves) (.020" undersize) (5)
10	341 566 R91	BEARING, crankshaft intermediate (two halves) (.030" undersize) (5)
11	328 777 R91	BEARING, crankshaft rear (two halves) (standard)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
11	341 542 R91	BEARING, crankshaft rear (two halves) (.002" undersize)
11	341 551 R91	BEARING, crankshaft rear (two halves) (.010" undersize)
11	341 560 R91	BEARING, crankshaft rear (two halves) (.020" undersize)
11	341 569 R91	BEARING, crankshaft rear (two halves) (.030" undersize)
12	19 838 R1	DOWEL (2)
13	330 256 R31	GEAR w/two DOWEL, 19 838 R1, spacer drive
14	22 282 R1	"O" RING, 2-7/8 x 3-1/16 x 3/32" (2)
15	19 838 R1	DOWEL (2)
17	33 817 DE	GEAR, ring
18	330 255 R31	FLYWHEEL w/GEAR, 33 817 DE (*)
18	345 036 R21	FLYWHEEL w/GEAR, 33 817 DE (%)
19	345 472 R1	PLATE, lock bolt (2)
	20 342 R1	BOLT (4) (*)
	336 054 R1	BOLT (4) (%)
20	345 473 R1	PLATE, lock bolt
	20 342 R1	BOLT (2) (*)
	336 054 R1	BOLT (2) (%)
21		SLEEVE, oil seal wear (order PACKAGE, 609 335 C91)
22		OIL SEAL, crankshaft rear (order PACKAGE, 609 335 C91)
23	609 335 C91	PACKAGE, oil seal and wear sleeve field service (consists of crankshaft rear oil seal installation DRAWING, IZG-6788, OIL SEAL and SLEEVE)

(*) - For Manual Shift Crawler Tractors.
(%) - For Power Shift Crawler Tractors.

DIESEL ENGINE
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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CRANKSHAFT, BEARING AND FLYWHEEL - CONTINUED

670 020 C91	PACKAGE, crankshaft field service (standard)	
	(Consists of -	
1	BEARING	328 771 R91
5	BEARING	328 774 R91
1	BEARING	328 777 R91
6	BEARING	323 962 R11
§ 1	CRANKSHAFT	
2	DOWEL	19 838 R1
6	PLUG	50 410 DA)

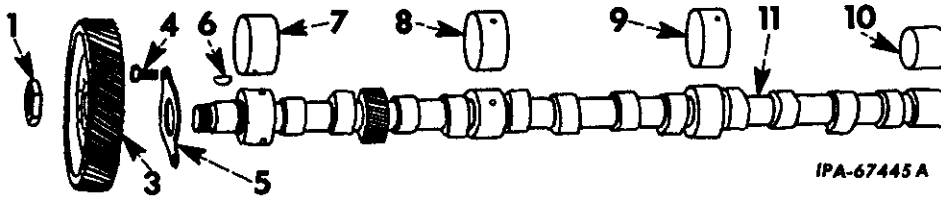
DIESEL ENGINE
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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CRANKSHAFT, BEARING AND FLYWHEEL - CONTINUED

670 021 C91	PACKAGE, crankshaft field service (renewal) (consists of crankshaft, six connecting rod BEARING, seven crankshaft BEARING, two DOWEL, 19 838 R1, six PLUG, 50 410 DA)	
50 410 DA	PLUG, pipe (6)	
343 828 R1	PLUG, cup	
601 743 C1	RETAINER, oil seal (also listed and illustrated with "Front Engine Support and Flywheel Housing")	
	§ - Not Furnished Separately	

CAMSHAFT AND RELATED PARTS



IPA-67445 A

CAMSHAFT AND RELATED PARTS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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1	16 026 DB	NUT, camshaft gear
3	131 858 R1	GEAR, camshaft
4	70 425 R1	BOLT, camshaft thrust plate (2)
5	16 027 DB	FLANGE, camshaft thrust
6	127 559	KEY, 1/4 x 3/4" camshaft gear (Woodruff No. 91)

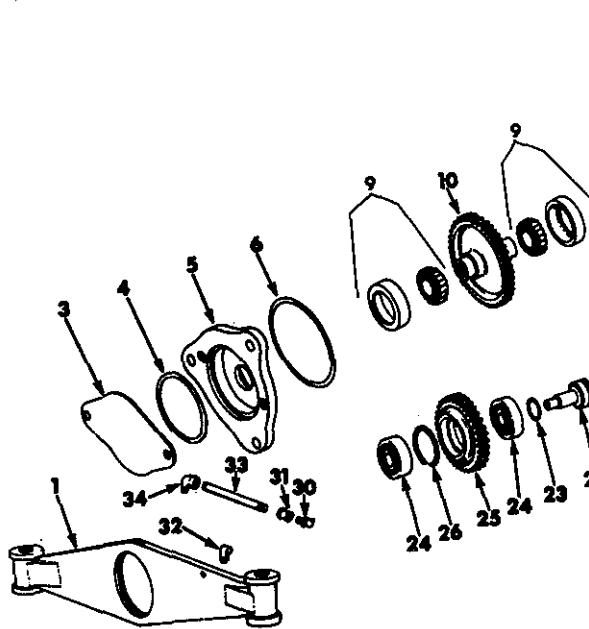
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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7	332 573 R1	BEARING, camshaft (front)
8	70 260 R1	BEARING, camshaft (No. 2)
9	332 629 R1	BEARING, camshaft (No. 3)
10	77 514 R1	BEARING, camshaft (rear)
11	670 349 C1	CAMSHAFT (together w/FLANGE, 16 027 DB will work for CAMSHAFT, 332 107 R1)

DIESEL ENGINE

(DT-407)

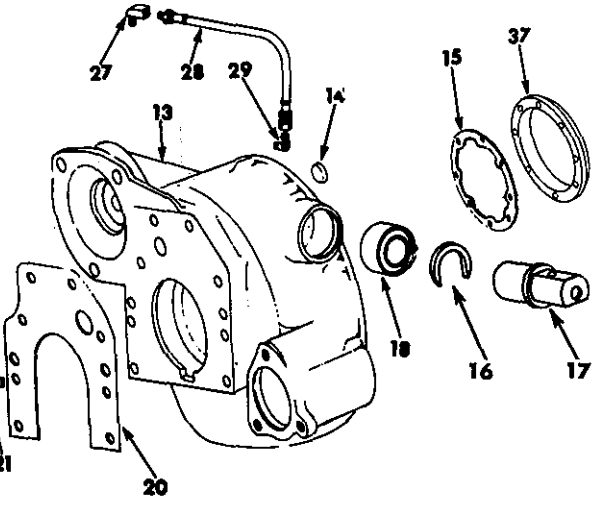
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING



DIESEL ENGINE

(DT-407)

FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED



CE-892588

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	349 123 R92	SUPPORT, front engine (Composed of - 1 CLIP 349 122 R1 1 COUPLING 105 408 1 ELBOW 444 476 1 FITTING 126 152 1 NIPPLE 137 967 § 1 SUPPORT 179 791 1/4 x 1/2" hex-hd cap SCREW 103 319 1/4" lock WASHER 323 546 R1 BOLT, (3/4 x 4") (2) 326 650 R11 COVER, power take-off equipment pump drive 271 554 5/8 x 1" hex-hd cap SCREW (2)
4	252 735 R1	"O" RING, 5 x 5-1/4 x 1/8"
5	341 060 R11	FLANGE w/RACE, 336 049 R1, power take-off pump mounting 271 556 5/8 x 1-1/4" hex-hd cap SCREW (3)
6	384 149 R1	"O" RING, 8 x 8-1/4 x 1/8"
9	272 478 R91	BEARING w/RACE, roller (2)
10	330 262 R2	GEAR, equipment pump drive
10	337 034 R92	GEAR w/GEAR, 330 262 R2 and two BEARING 272 478 R91 equipment pump drive
13	345 034 R93	HOUSING ASSY, flywheel (*) (Composed of - 2 BUSHING 333 707 R92 § 1 HOUSING 1 PLUG 9 409 949 2 PLUG 337 091 R1 1 RACE 336 049 R1 179 883 1/2 x 1-1/4" hex-hd cap SCREW (7) 179 897 1/2 x 4" hex-hd cap SCREW 103 323 1/2" lock WASHER (8)

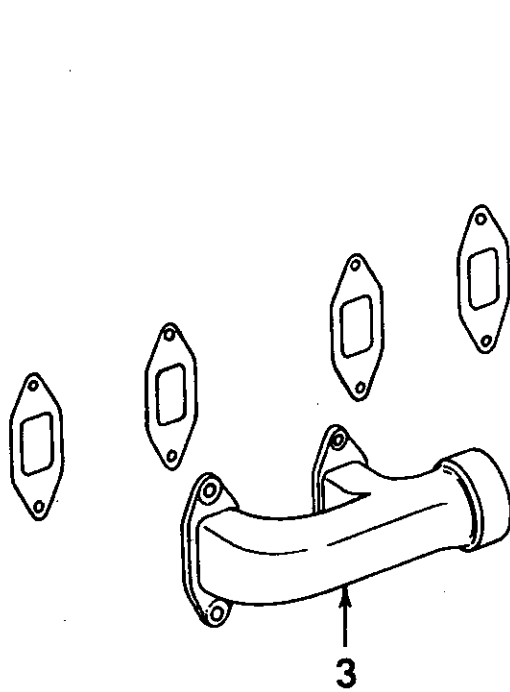
REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	345 024 R93	HOUSING ASSEMBLY, flywheel (%) (Composed of - 2 BOLT 20 030 R1 2 BUSHING 333 707 R92 § 1 HOUSING 1 PLUG 9 409 949 1 PLUG 330 222 R1 1 PLUG 115 162 R1 2 PLUG 337 091 R1 1 RACE 336 049 R1 179 883 1/2 x 1-1/4" hex-hd cap SCREW (7) 179 897 1/2 x 4" hex-hd cap SCREW 103 323 1/2" lock WASHER (8)
14	337 091 R1	PLUG, core hole (2)
15	332 303 R1	GASKET, face plate
16	604 792 C1	SPACER, Mounting Trunnion (2)
17	330 881 R2	SHAFT, Trunnion Mounting (2) 223 456 3/4" x 3-1/2" hex-hd cap SCREW (2) 39 422 D WASHER, hardened
18	333 707 R92	BUSHING, mounting (2)
20	328 846 R1	GASKET, flywheel housing
21	330 258 R1	PLATE, idler shaft lock
	321 872 R1	BOLT, 3/8 x 3/4" nylock (3)
22	330 257 R2	SHAFT, idler gear
23	360 610 R1	"O" RING, 1-5/8 x 1-7/8 x 1/8"
24	ST 204 A	BEARING, idler gear ball (2)
25	330 259 R91	GEAR w/two BEARING, ST 204 A and RING, 512 889 R1, idler
	512 889 R1	RING, retainer

(*) - For Manual Shift Crawler Tractors.
 (%) - For Power Shift Crawler Tractors.
 § - Not Furnished Separately.

DIESEL ENGINE (DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED		
27	9 409 931	ELBOW, 90° street
28	346 504 R91	HOSE w/FITTING (HOSE, 3/16" ID x 14-1/2" long including FITTINGS)
29	9 402 836	ELBOW, 1/8" NPT x 37° flare
30	126 152	FITTING, 1/8 x 45° lubrication (Lincoln 5200)
31	105 408	COUPLING, 1/8"
32	349 122 R1 179 791 103 321	CLIP, lubrication fitting extension 1/4 x 1/2" hex-hd cap SCREW 1/4" lock WASHER
33	137 967	NIPPLE, 1/8 x 9"
34	444 476	ELBOW, 1/8" x 90°

EXHAUST MANIFOLD

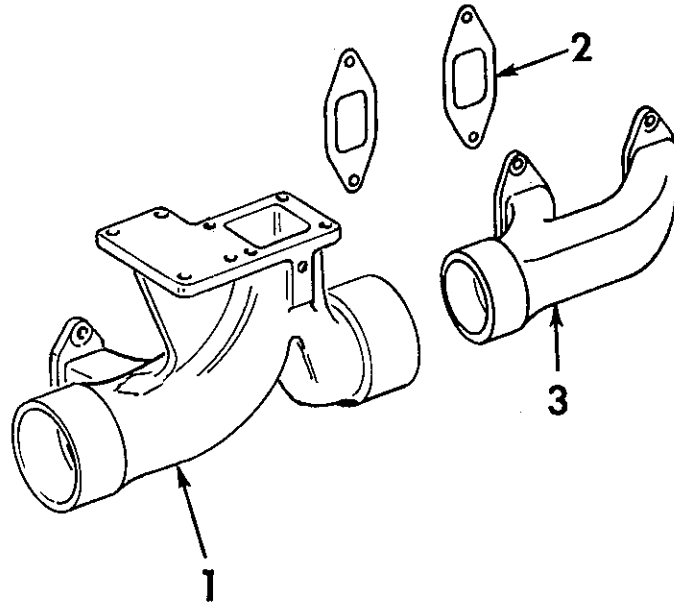


REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	607 252 C21 250 451 R1 444 577	MANIFOLD w/two PLUGS, 444 577, center 407TC2U023384 and Below NUT, exhaust manifold stud (12) PLUG, 1/4" sq-hd pipe (2)
1	670 813 C91 250 451 R1 444 577	MANIFOLD w/two PLUGS, 444 577, center 407TC2U023385 and Up NUT, exhaust manifold stud (12) PLUG, 1/4" sq-hd pipe

DIESEL ENGINE (DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT ENGINE SUPPORT AND FLYWHEEL HOUSING - CONTINUED		
37	601 743 C1	RETAINER, oil seal (also listed with "Crankshaft and Flywheel")
214	168 R1	BOLT, 5/16 x 7/8" nylock (8)
20	030 R1	BOLT, nylok (%) (2)
337	034 R92	GEAR, 330 262 R2 and two RACE, 336 050 R91, equipment pump drive (%)
330	222 R1	PLUG, cup (%)
151	162 R1	PLUG, cup (%)
9 409 947		PLUG, 3/4" pipe
(%) - For Power Shift Tractors		

EXHAUST MANIFOLD - CONTINUED



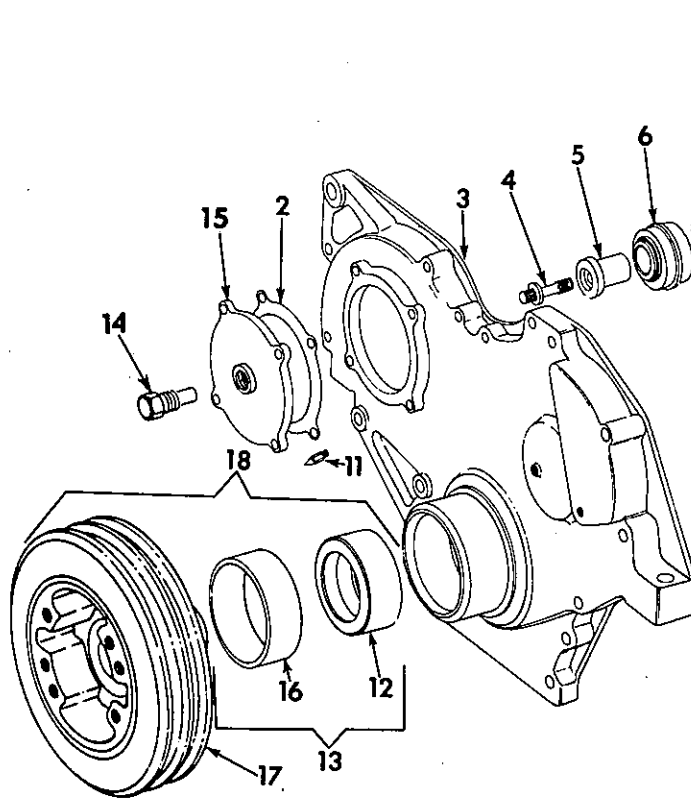
CE-89259A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	670 848 C1	GASKET, exhaust manifold (6)
3	607 251 C1 250 451 R1	MANIFOLD, front, front and rear exhaust NUT, exhaust manifold stud (8)



DIESEL ENGINE
(DT-407)

CRANKCASE FRONT COVER, IDLER GEAR, FLANGE AND RELATED PARTS

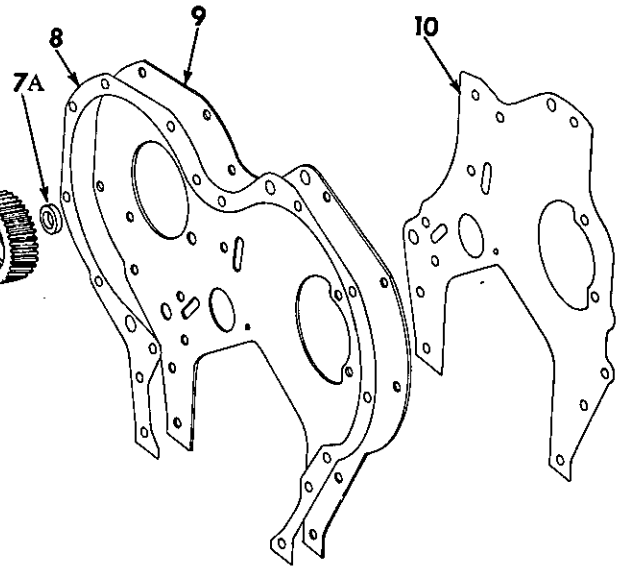


REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	326 582 R1	GASKET, injection pump cover
3	670 535 C11	COVER w/INDICATOR, 601 256 C1 and STUD, 32 445 D, crankcase front (together with WASHER 20 841 D will work for COVER 341 605 R11)
	218 197	3/8NF NUT (2)
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (5)
	181 381	3/8NF x 2-1/2" hex-hd cap SCREW
	181 385	3/8NF x 3" hex-hd cap SCREW
	179 888	1/2 x 1-7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (7)
4	670 033 C1	BOLT, counter bore
5	326 583 R2	SHAFT, idler gear
6	327 185 R91	BEARING, idler gear
7	326 612 R1	GEAR, injection pump idler
7A	601 740 C1	SPACER
8	326 580 R1	GASKET, front cover
9	328 732 R11	PLATE w/two DOWEL, 19 841 R1 and two NUT, 264 723 R1, crankcase front
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)



DIESEL ENGINE
(DT-407)

CRANKCASE FRONT COVER, IDLER GEAR, FLANGE AND RELATED PARTS - CONTINUED

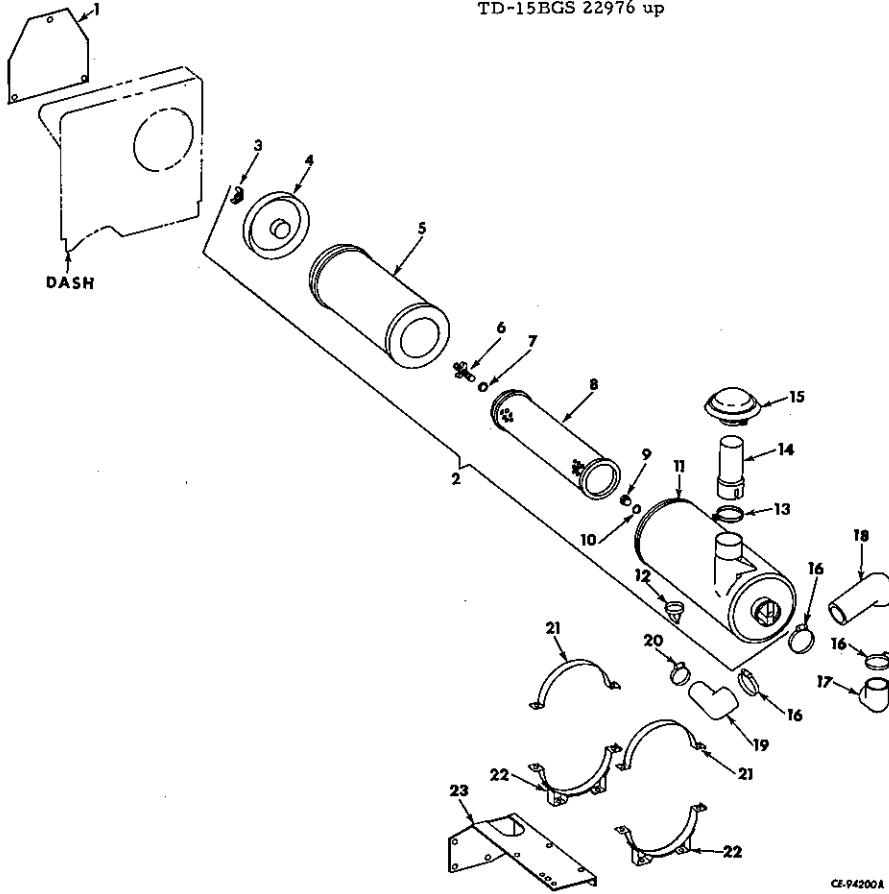


REF. NO.	I. H. PART NUMBER	DESCRIPTION
10	328 735 R1	GASKET, front plate
11	601 256 C1	INDICATOR, timing
12		OIL SEAL, crankshaft front (order PACKAGE, 606 780 C92)
13	606 780 C93	PACKAGE, oil seal and wear sleeve field service (consists of SEAL and SLEEVE, 606 779 C2)
14	606 792 C91	BUTTON, thrust
15	341 523 R11 311 979 R1	COVER, injection pump BOLT (4)
16	606 779 C2	SLEEVE, wear
17		DAMPER, vibration (order PACKAGE, 607 142 C92)
	349 354 R1	BOLT, vibration damper (4)
18	607 142 C94	PACKAGE, vibration damper field service (consists of DAMPER, SEAL and SLEEVE, 606 779 C2)
	19 841 R1	DOWEL (2)
	674 295 C1	NUT, spline (2)
	32 445 D	STUD, 3/8 x 3/8NF x 1-9/16"
	20 841 D	WASHER, Cover (used with COVER 670 535 C11)

CE-88596

FUEL SYSTEM
(DT-407)

AIR CLEANER AND CONNECTIONS
(Air Maze) (Not heavy duty)
TD-15BP 22976 up
TD-15BG 22976 up
TD-15B(Custom)BGA 22976 up
TD-15BPS 22976 up
TD-15BGF 22976 up
TD-15BGS 22976 up



CE-94200A

FUEL SYSTEM
(DT-407)

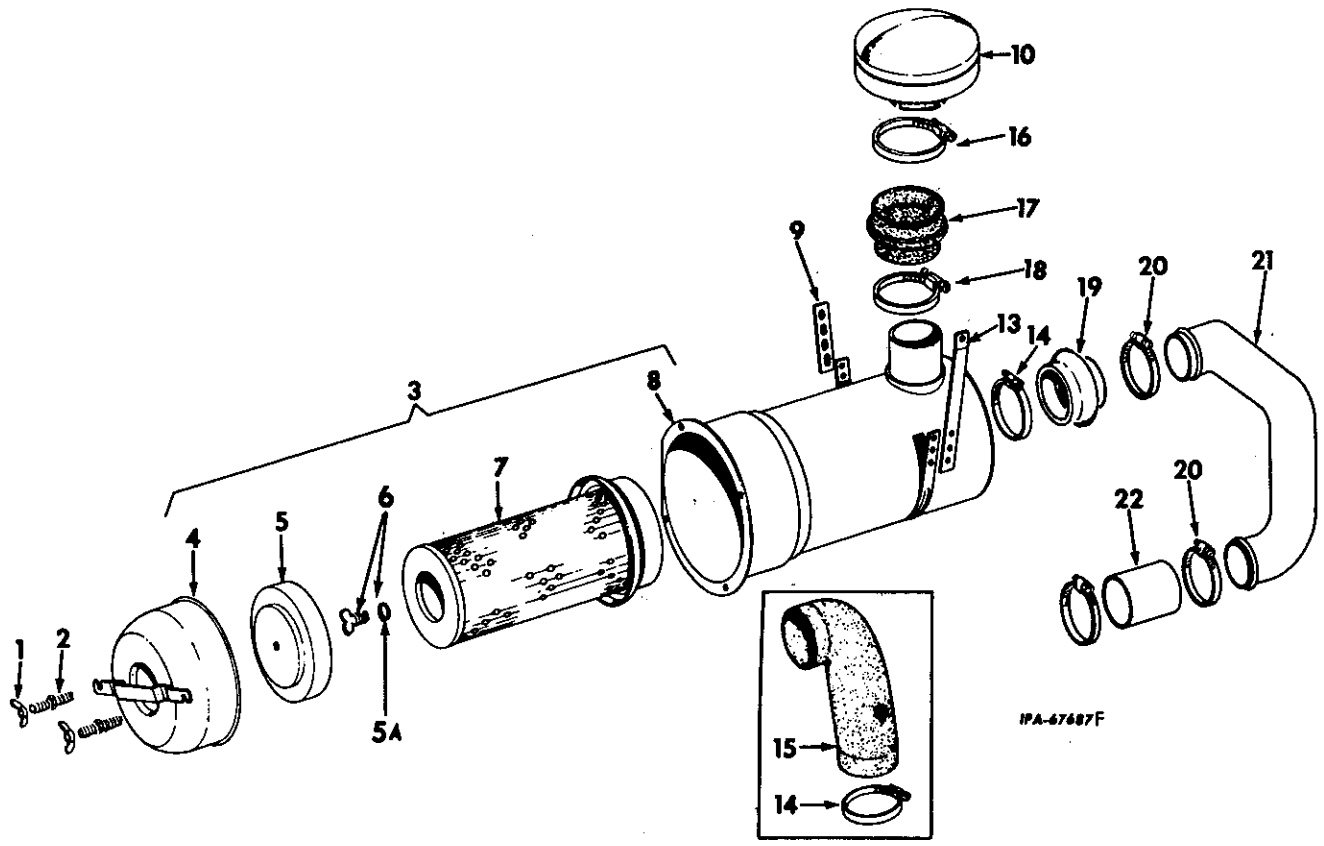
AIR CLEANER AND CONNECTIONS - CONTINUED
(Air Maze) (Not heavy duty)
TD-15BP 22976 up
TD-15BG 22976 up
TD-15B(Custom)BGA 22976 up
TD-15BPS 22976 up
TD-15BGF 22976 up
TD-15BGS 22976 up

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	620 093 C1	COVER, dash access hole
	103 129	3/8" wing NUT (3)
	103 321	3/8" lock WASHER (3)
	103 341	13/32 x 13/16 x 16 ga. WASHER (3)
2	702 846 C91	CLEANER ASSY., air (Includes ref. nos. 3 thru 12)
3	488 245 R1	NUT, cover wing
4	619 644 C1	COVER, element
5	702 848 C1	ELEMENT, primary
6	619 645 C1	BOLT, element wing
7	619 839 C1	WASHER, seal
8	702 847 C1	ELEMENT, safety
9	18 536 R1	NUT, element stop
10	619 024 C1	WASHER, nut
11		BODY, air cleaner (not furnished separately)
12	615 679 C1	VALVE, dust unloader
13	333 908 R91	CLAMP, air intake tube
14	620 102 C1	TUBE, air intake

REF. NO.	I.H. PART NUMBER	DESCRIPTION
15	257 883 C91	CAP, air cleaner
16	422 688 R91	CLAMP, air cleaner outlet elbow and pipe (3)
17	218 899 R11	ELBOW, air cleaner outlet
18	703 488 C1	PIPE, air cleaner outlet
19	601 211 C1	ELBOW, turbocharger inlet
20	391 671 R91	CLAMP, turbocharger inlet elbow
21	620 100 C1	STRAP, air cleaner upper (2)
	109 084	1/4" NUT (4)
	179 797	1/4 x 1" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
22	703 487 C1	STRAP, lower, air cleaner (2)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16 x 16 ga WASHER (4)
23	703 486 C1	SUPPORT, air cleaner
	179 881	1/2 x 1" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
	179 842	3/8 x 1-3/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

FUEL SYSTEM
(DT-407)

AIR CLEANER AND CONNECTIONS
(Donaldson) (Not Heavy Duty)
TD-15BP 22001 to 22975
TD-15BG 22001 to 22975
TD-15B(Agr)BGA 22001 to 22975
TD-15BPS 22001 to 22975
TD-15BGF 22001 to 22975
TD-15BGS 22001 to 22975



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	103 129	NUT, 3/8" wing (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
2	337 592 R91	STUD, air cleaner (2)
3	336 662 R91	CLEANER ASSEMBLY, air
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
4	343 729 R91	CUP, dust
5	343 730 R91	BAFFLE, cup
5A	225 064 R1	GASKET
6	313 714 R91	BOLT ASSY
7	343 731 R91	ELEMENT, filter
8		BODY (Not Furnished Separately)
9	337 589 R1	SUPPORT, air cleaner outer
	179 856	7/16 x 3/4" hex-hd cap SCREW
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 322	7/16" lock WASHER
	103 341	13/32 x 13/16 x 16 ga WASHER (2)
10	321 877 R91	CAP, air cleaner

FUEL SYSTEM
(DT-407)

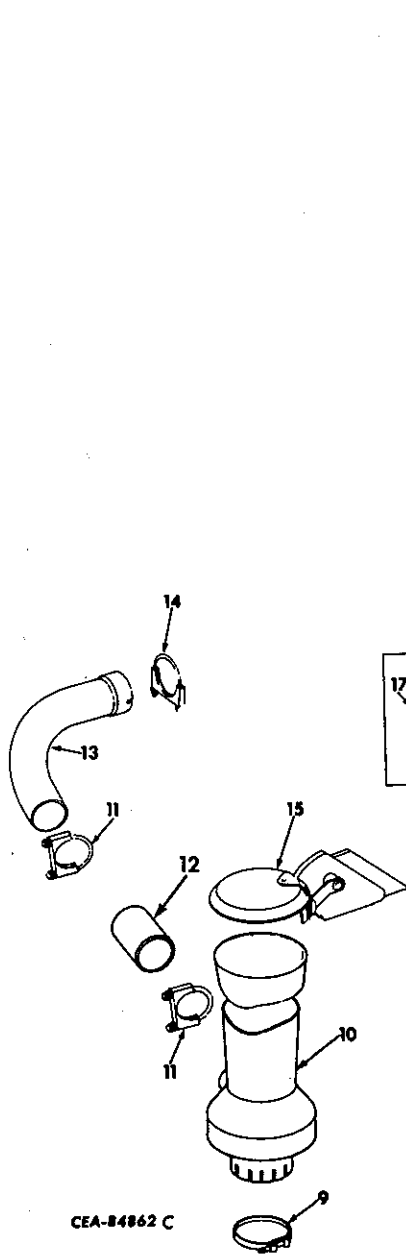
AIR CLEANER AND CONNECTIONS - CONTINUED
(Donaldson) (Not Heavy Duty)
TD-15BP 22001 to 22975
TD-15BG 22001 to 22975
TD-15B(Agr)BGA 22001 to 22975
TD-15BPS 22001 to 22975
TD-15BGF 22001 to 22975
TD-15BGS 22001 to 22975

REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	337 588 R1	SUPPORT, air cleaner inner
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	179 857	7/16 x 7/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
	103 322	7/16" lock WASHER
103 341	13/32 x 13/16" x 16 ga WASHER (2)	
14	347 364 R91	CLAMP, air cleaner to turbocharger hose
15		NOT USED
16	327 094 R91	CLAMP, air cleaner to hood hose
17	331 914 R1	HOSE, air cleaner to hood
18	274 090 R91	CLAMP, air cleaner to hood hose
19	610 675 C1	ADAPTER, air cleaner outlet tube
20	397 257 R1	CLAMP, air cleaner outlet tube to turbocharger (3)
21	609 996 C11	TUBE, air cleaner outlet
22	670 065 C1	HOSE, air cleaner outlet to turbocharger (For Schwitzer Turbocharger)

FUEL SYSTEM

(DT-407)

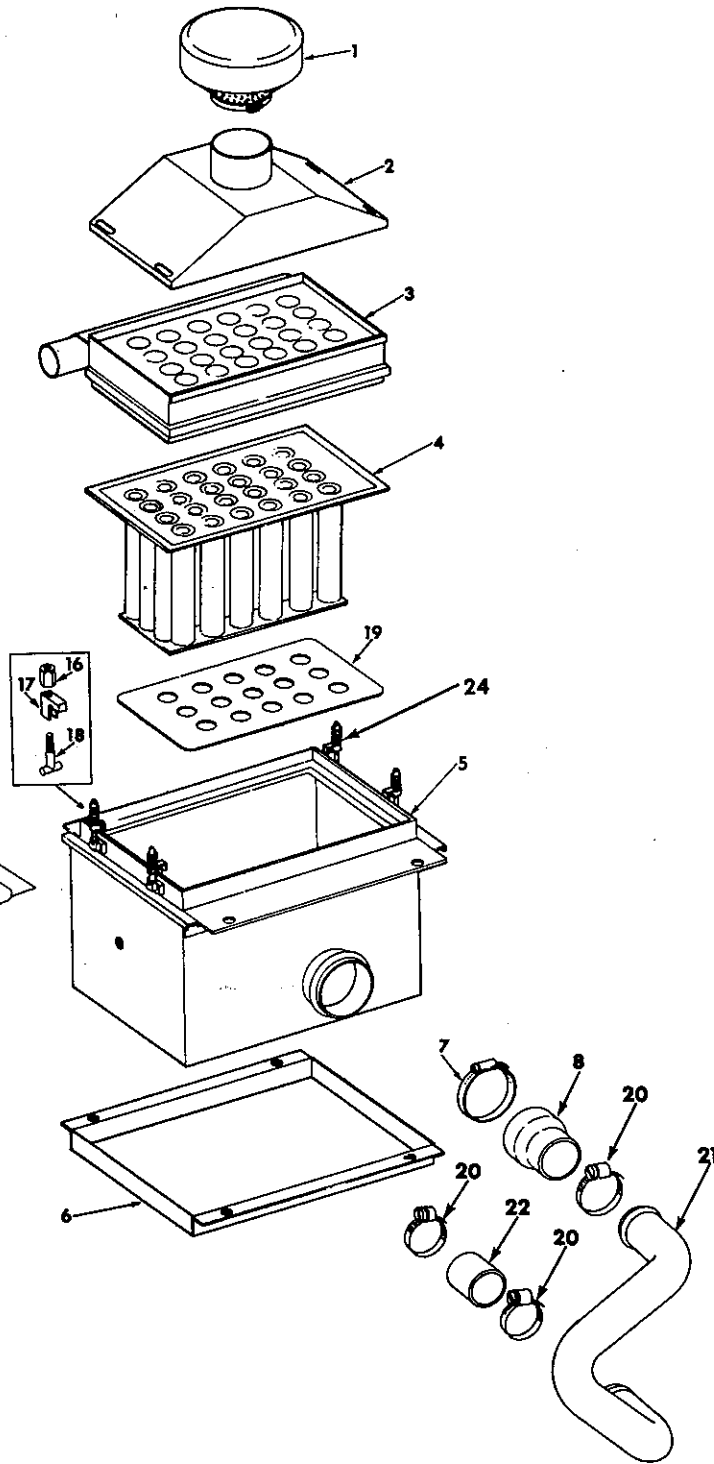
HEAVY DUTY AIR CLEANER
(Farr)



FUEL SYSTEM

(DT-407)

HEAVY DUTY AIR CLEANER -- CONTINUED
(Farr)



FUEL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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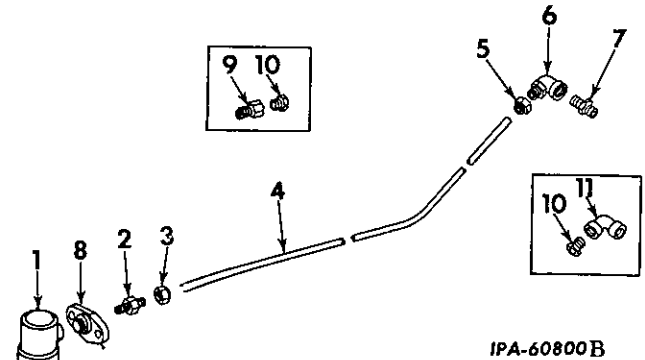
HEAVY DUTY AIR CLEANER - CONTINUED
(Farr)

	703 180 C92	ATTACHMENT, heavy duty air cleaner (See NOTE 3)
1	606 827 C91	CAP, air intake
2	606 823 C91	ADAPTER, intake
3	606 825 C91	PANEL, rotopamic
4	327 491 R91	ELEMENT, air cleaner
5	702 748 C91	HOUSING w/four FASTENER, 702 718 C1 and PLATE, 613 546 C91 air cleaner
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
6	179 840	FRAME, mounting (Not Furnished Separately) 3/8 x 1-1/8" hex-hd cap SCREW (4)
7	347 364 R91	CLAMP, air cleaner outlet adapter
8	610 675 C1	ADAPTER, air cleaner outlet tube
9	615 094 C91	CLAMP, aspirator
10	702 216 C1	ASPIRATOR, air cleaner
11	327 494 R91	CLAMP, exhaust (2)
12	613 895 C1	HOSE, metal
13	615 096 C1	ELBOW, exhaust
14	327 495 R91	CLAMP, exhaust
15	610 796 C91	CAP, aspirator rain
16		NUT (order four FASTENER, 702 718 C1) (4)
17		RETAINER, hook panel (order four FASTENER, 702 718 C1) (4)
18		BOLT, retainer tee (order four FASTENER, 702 718 C1) (4)
19	613 546 C91	PLATE, lower
20	397 257 R1	CLAMP, hose (3)
21	612 761 C2	TUBE, air cleaner outlet
22	670 065 C1	HOSE, adapter to turbocharger inlet
24	702 718 C1	FASTENER, cam type (4)
	606 828 C91	PLATE, cover (used to cover air cleaner hole in dash)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	2 752 940 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted yellow)
	2 752 941 R1	PRODUCT GRAPHIC, air cleaner instructions (for units painted red)
	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (also listed and illustrated with "Filter Service Indicator")

NOTE 3 - Field Application - Order through
Regular Service Parts Channels.

FUEL SYSTEM
(DT-407)

FILTER SERVICE INDICATOR

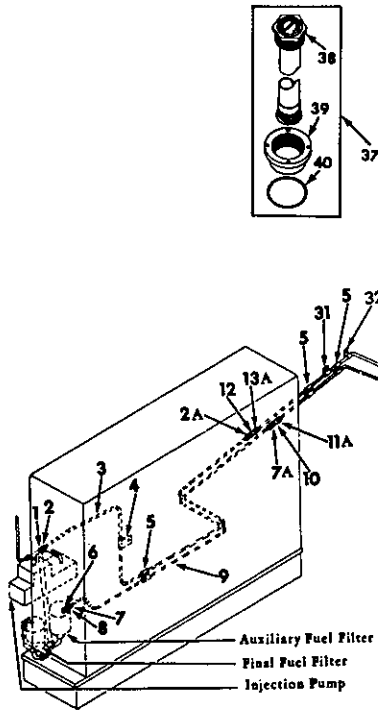


REF. NO.	I. H. PART NUMBER	DESCRIPTION
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1	702 686 C1	INDICATOR, dry type air cleaner
	103 089	No. 12 NUT (2)
	18 753 R1	No. 12 x 3/4" hex-hd cap SCREW (2)
	106 498	No. 12 lock WASHER (2)
2	606 999 C1	BODY, air cleaner service indicator to tube (at indicator)
3	606 925 C1	NUT, air cleaner filter to indicator tube (at indicator)
	606 926 C1	SLEEVE, air cleaner filter to indicator tube (at indicator)
4	703 109 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (not used with heavy duty air cleaner)
4	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter to indicator (used with heavy duty air cleaner)
5	606 925 C1	NUT, air cleaner filter to indicator tube (at air cleaner)
	606 926 C1	SLEEVE, air cleaner filter to indicator tube (at air cleaner)
6	610 040 C1	ELBOW, air cleaner service indicator tube to indicator (at air cleaner)
7	317 972 R91	NIPPLE and FILTER (at air cleaner)
8	284 874 C1	FLANGE, air cleaner filter indicator mounting
9		NOT USED
10		NOT USED
11		NOT USED
	263 716 R91	CLIP, filter indicator tube
	102 634	5/16" NUT (2)
	179 813	5/16 x 9/16" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	444 476	ELBOW, air cleaner indicator mounting (90°)

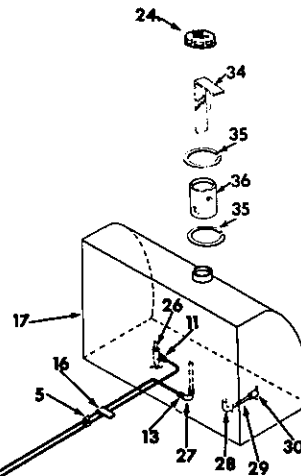
FUEL SYSTEM
(DT-407)

FUEL TANK, PIPING AND RELATED PARTS



FUEL SYSTEM
(DT-407)

FUEL TANK, PIPING AND RELATED PARTS - CONTINUED



CE-94294

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	606 930 C1	ELBOW, fuel supply tube front
2	265 205 R1	NUT, fuel return front pipe
	265 204 R1	SLEEVE, fuel return front pipe
2A	265 205 R1	NUT, 3/8" flex fuel return front pipe
	265 204 R1	SLEEVE, 3/8" flex fuel return front pipe
3	611 236 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return front
4		NOT USED
5	66 362 D	CLAMP, fuel pipe (8)
	272 941 R1	CUSHION, fuel pipe clamp (8)
	262 038 R1	NUT, fuel pipe clamp speed (4)
	271 212	1/4 x 7/8" slt-fil-hd mach SCREW (4)
6	606 929 C1	CONNECTOR, fuel return tube front
7	265 205 R1	NUT, fuel supply front pipe
	265 204 R1	SLEEVE, fuel supply front pipe
7A	265 205 R1	NUT, fuel supply front pipe
	265 204 R1	SLEEVE, fuel supply front pipe
8		NOT USED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
9	616 465 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 fuel supply front
10	603 867 C1	BODY, front and rear fuel supply tube union
11	265 205 R1	NUT, fuel supply rear pipe
	265 204 R1	SLEEVE, fuel supply rear pipe
11A	265 205 R1	NUT, fuel supply rear pipe
	265 204 R1	SLEEVE, fuel supply rear pipe
12	603 867 C1	UNION, front and rear fuel return pipe
13	265 205 R1	NUT, fuel return rear pipe
13A	265 205 R1	NUT, 3/8" flex fuel return rear pipe
	265 204 R1	SLEEVE, 3/8" flex fuel return rear pipe
14	607 853 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return rear
15	607 850 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply rear
16	299 902 R1	CLAMP, fuel return rear pipe (on front bolt of planetary inspection cover)

FUEL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL TANK, PIPING AND RELATED PARTS - CONTINUED

17	703 348 C92	TANK w/SUPPORT, fuel (increased capacity) TD-15BP 22001 up TD-15BG 22063 up TD-15BPS 22001 up TD-15BGF 22063 up TD-15BGS 22063 up (Composed of - 1 CAP 701 922 C1 1 STRAINER 624 478 C1 2 RING 317 943 R1 1 DIP STICK 611 409 C1' 102 639 5/8" NUT (8) 271 556 5/8 x 1-1/4" hex-hd cap SCREW (4) 271 560 5/8 x 1-3/4" hex-hd cap SCREW (8) 479 814 R1 WASHER, hardened (X) 285 048 R1 SHIM, fuel tank mounting (X)
17	650 214 C91	TANK w/SUPPORT, fuel TD-15B(CUSTOM)BGA 25001 up (Composed of - 1 CAP 701 922 C1 1 STRAINER 624 478 C1 2 RING 317 943 R1 1 DIP STICK 611 409 C1) 102 639 5/8" NUT (8) 271 556 5/8 x 1-1/4" hex-hd cap SCREW (4) 271 560 5/8 x 1-3/4" hex-hd cap SCREW (8) 479 814 R1 WASHER, hardened (X) 285 048 R1 SHIM, fuel tank mounting (X)
24	701 922 C1	CAP. w/GASKET 618 688 C1, fuel tank (will work for CAP, 305 798 R11)
26	650 443 C92	VALVE, fuel shut-off
27	333 774 R1	ELBOW, return rear pipe
28	111 316	ELBOW, fuel tank drain (3/8")
29	190 699	PIPE, fuel tank drain (3/8 x 6")
30	31 729 D	VALVE, fuel tank drain
31	263 717 R91	CLIP, fuel pipe (on lower bolt of brake pedal bracket)
32	276 956 R91	CLAMP, fuel return line (on foot brake spring anchor pin)
34	611 409 C1	STICK, fuel tank dip
35	317 943 R1	RING, fuel retainer snap (2)
36	624 478 C1	STRAINER, fuel
37	612 792 C91	GAUGE, assy fuel level (Consists of - 1 ADAPTER 612 794 C1 1 GAUGE 615 271 C1 1 RING 301 913 C1)
38	615 271 C1 179 793 103 319	GAUGE, fuel level 1/4 x 5/8" hex-hd cap SCREW (4) 1/4" lock WASHER (4)
39	612 794 C1	ADAPTER, fuel level gauge mounting
40	301 913 R1	RING, adapter sealing (2 x 2 x 3/32)
	334 753 R1 102 635 179 839 103 321 103 341	COVER, fuel tank support RH 3/8" NUT (3) 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 13/32 x 13/16 x 16 ga WASHER (3)

FUEL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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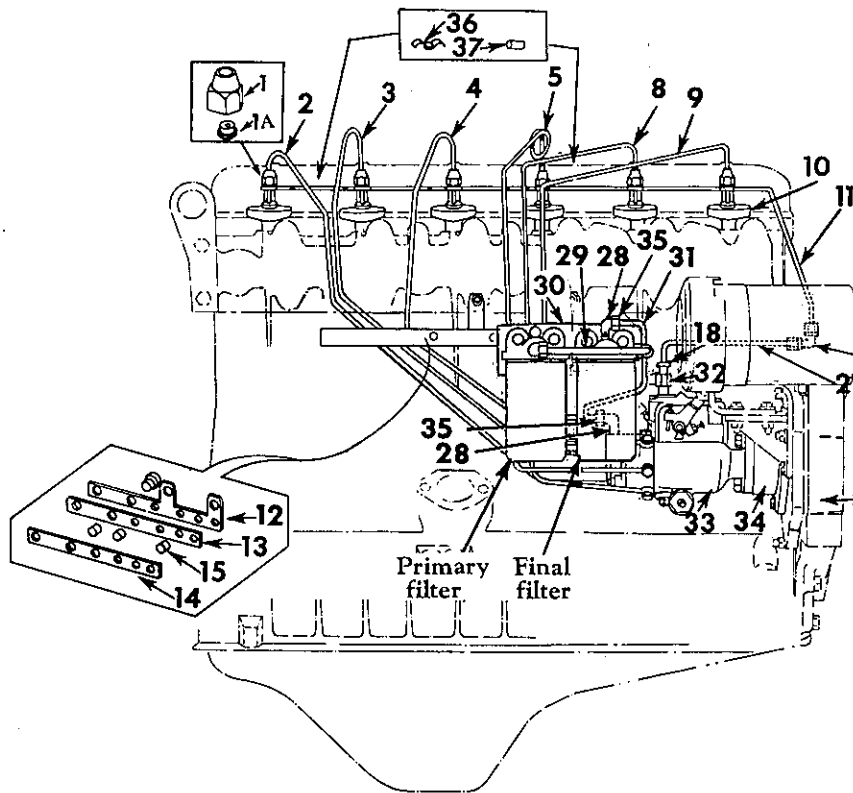
FUEL TANK, PIPING AND RELATED PARTS - CONTINUED

341 923 R1	COVER, fuel tank support LH (for power shift and sideboom crawler tractors)
179 836	3/8 x 11/16" hex-hd cap SCREW (2)
103 321	3/8" lock WASHER (2)
103 341	13/32 x 13/16" x 16 ga WASHER (2)
187 396	COUPLING, fuel tank drain
305 799 R1	GASKET, fuel tank cap (used with fuel CAP, 305 798 R11)
618 688 C1	GASKET, fuel tank cap (use with CAP 701 922 C1)

(X) - As Required.

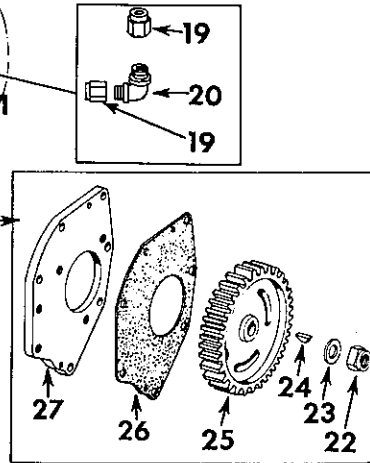
FUEL SYSTEM
(DT-407)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS



FUEL SYSTEM
(DT-407)

FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED



CE-89345 B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	250 617 R1	NUT, injection tube (6)
1A	250 610 R2	SLEEVE, injection tube (6)
2	701 239 C1	PIPE, injection No. 6 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
2	701 233 C2	PIPE, injection No. 6 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350
3	701 238 C1	PIPE, injection No. 5 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
3	701 232 C1	PIPE, injection No. 5 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350
4	701 237 C1	PIPE, injection No. 4 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
4	701 231 C1	PIPE, injection No. 4 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350
5	701 236 C1	PIPE, injection No. 3 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
5	701 230 C1	PIPE, injection No. 3 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	701 235 C1	PIPE, injection No. 2 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
8	701 229 C2	PIPE, injection No. 2 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350
9	701 234 C1	PIPE, injection No. 1 407TC2U009165 and below also 407TC2U009347 thru 9350 except 407TC2U009110 and 9111
9	701 228 C2	PIPE, injection No. 1 407TC2U009166 and up also 407TC2U009110 and 9111 except 407TC2U009347 thru 9350
10		HOLDER ASSY, nozzle (for components see list of parts under details of "Nozzle Holder") (6)
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (12)
11	612 222 C11	TUBE w/NUT, 915 499 R1 and SLEEVE, 915 500 R1, fuel return (upper)
	364 879 R1	SEAL, "O" ring dust (6)
	336 980 R1	SLEEVE, thread (6)
	915 500 R1	SLEEVE, rubber (6)
	915 499 R1	NUT (6)
12	601 811 C1	CLAMP, injection line (inner)
13	601 249 C1	PAD, injection line clamp (2)
14	601 245 C11	CLAMP, w/three PIN, 19 387 R1, injection line (outer)
	181 317	1/4NF x 1-1/4" hex-hd cap SCREW (6)
	103 339	9/32 x 5/8" x 16 ga WASHER (6)

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FUEL SYSTEM

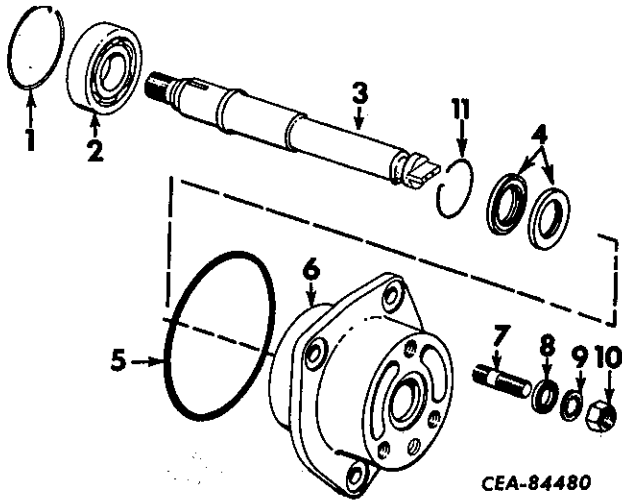
(DT-407)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP, PIPES AND CONNECTIONS - CONTINUED		
15	19 387 R1	PIN, 7/16 x 3/4" roll (3)
18	915 500 R1	SLEEVE
19	915 499 R1 915 500 R1	NUT, leakoff return tube (2) SLEEVE (2)
20	615 369 C1	ELBOW, tube union
21	612 223 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1
22	19 899 R1	NUT, 5/8NF lock
23	341 508 R1	WASHER
24	124 546	KEY, 5/32 x 5/8" Woodruff
25	341 525 R1	GEAR, injection pump drive (58T)
26	328 842 R1	GASKET, injection pump mounting plate
27	328 841 R1 324 235 R1 103 026 179 850 186 310 103 321	PLATE, injection pump mounting BOLT (2) 3/8NF NUT (2) 3/8 x 2-3/4" hex-hd cap SCREW 3/8NF x 3-1/2" hex-hd cap SCREW (2) 3/8" lock WASHER (3)
28	606 845 C1	ELBOW, 1/4NPT x 90° flare (4)
29	670 149 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, primary to final filter (listed and illustrated with "Fuel Filters")
30	102 637 103 323 179 837 103 341 179 838 103 321	BRACKET, filter mounting (listed and illustrated with "Fuel Filters") 1/2" NUT (2) 1/2" lock WASHER (2) 3/8 x 4" hex-hd cap SCREW (4) 13/32 x 13/16" x 16 ga WASHER (2) 3/8 x 7/8" hex-hd cap SCREW 3/8" lock WASHER
31	670 327 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, pump to final filter
32	615 370 C1	TEE, leakoff return tube (at pump)
33	702 519 C92	PUMP ASSY, fuel injection (Roosa-Master (See NOTE) (DBG FC 637 IHC) (Not for Custom Crawler Tractors) 407TC2U000501 thru 407TC2U029083
33	627 025 C91	PUMP ASSY, fuel injection (Roosa-Master) (Not for Custom Crawler Tractors) (Service parts will be furnished in next revision) 407TC2U029084 thru 407TC2U036041
33	625 938 C91	PUMP ASSY, fuel injection (Roosa-Master) (See NOTE) (DCGFC627-29AW) (Not for Custom Crawler Tractors) 407TC2U036042 and up
33	627 084 C91	PUMP ASSY, fuel injection (Roosa-Master) (See NOTE) (DCGFC627-1JN) (For Custom Crawler Tractors)
35	265 205 R1 265 204 R1	NUT, filter tube (2) SLEEVE (2)
36	701 155 C1 179 798 103 024 103 319 103 339	CLAMP, fuel line (4) 407TC2U028166 and up 1/4 x 1-1/8" hex-hd cap SCREW (2) 1/4NF NUT (2) 1/4" lock WASHER (2) 9/32 x 5/8 x 16 ga WASHER (4)
37	258 079 C1	GROMMET, fuel line (4) 407TC2U028166 and up
	612 180 C1	GASKET, fuel line connector (12)
		NOTE: Refer to Roosa-Master Fuel Injection Pump Parts Catalog PU-70 when ordering detail parts for complete pump.

FUEL SYSTEM
(DT-407)

INJECTION PUMP DRIVE
(Roosa-Master) (Hartford Machine Screw Co.)
407TC2U036041 and below

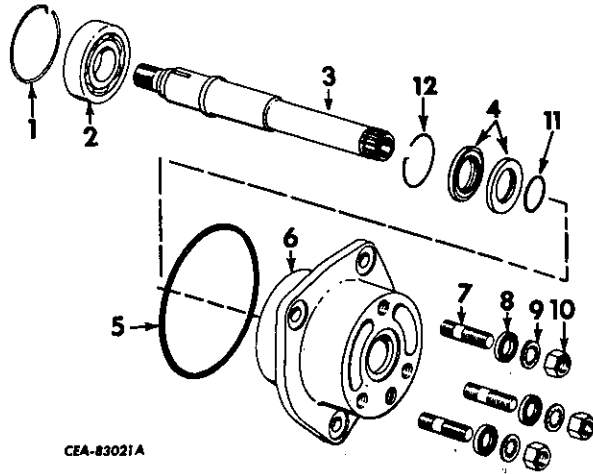


CEA-84480

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	346 876 R1	RING, bearing retainer
2	ST 287	BEARING, drive shaft
3	613 612 C1	SHAFT, drive
4	372 762 R91	SEAL, drive shaft (2)
5	346 895 R1	SEAL, mounting adapter
6	619 762 C1	ADAPTER, mounting
7	324 688 R1	STUD, mounting (2)
8	142 619 H	WASHER, stud (2)
9	103 321	WASHER, stud (3/8" internal tooth lock) (2)
10	102 635	NUT, 3/8" mounting stud (2)
11	273 026 R1	RING, seal retaining snap

FUEL SYSTEM
(DT-407)

INJECTION PUMP DRIVE
(Roosa-Master, Hartford Machine Screw Co.)
407TC2U030642 and up

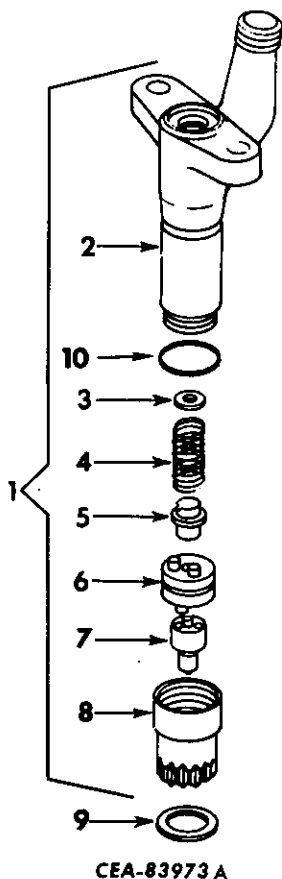


CEA-83021A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	346 876 R1	RING, bearing retainer
2	ST 287	BEARING, drive shaft
3	606 832 C91	SHAFT w/"O" RING, 368 030 R1, drive
4	372 762 R91	SEAL, drive shaft (2)
5	346 895 R1	SEAL, mounting adapter
6	619 762 C1	ADAPTER, mounting (together with three 3/8 x 1-1/4" hex-hd cap SCREW, will work for 606 833 C1
	102 635	3/8" NUT (3)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (3)
	103 321	3/8" internal-tooth lock WASHER (3)
	103 341	13/32 x 13/16 x 16 ga WASHER (3)
	142 619 H	WASHER (3)
7	324 688 R1	STUD, mounting (3)
8	142 619 H	WASHER, stud (3)
9	103 321	WASHER, stud (3/8" internal tooth lock) (3)
10	102 635	NUT, 3/8" mounting stud (3)
11	368 030 R1	"O" RING, drive shaft
12	273 026 R1	RING, seal retainer snap

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FUEL SYSTEM
 (DT-407)

NOZZLE AND NOZZLE HOLDER
 (Robert Bosch Corp.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	702 541 C91	NOZZLE and HOLDER ASSY (6)
		407TC2U012883 and up
1	610 715 C91	NOZZLE and HOLDER ASSY (6)
		407TC2U012882 and below
2		BODY, holder (Not Furnished Separately)
3	615 109 C1	SHIM (.077) (X)
3	615 110 C1	SHIM (.075) (X)
3	615 111 C1	SHIM (.073) (X)
3	615 112 C1	SHIM (.071) (X)
3	615 113 C1	SHIM (.069) (X)
3	615 114 C1	SHIM (.067) (X)
3	615 115 C1	SHIM (.065) (X)
3	615 116 C1	SHIM (.063) (X)
3	615 117 C1	SHIM (.061) (X)
3	615 118 C1	SHIM (.059) (X)
3	615 119 C1	SHIM (.057) (X)

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FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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NOZZLE AND NOZZLE HOLDER - Continued
 (Robert Bosch Corp.)

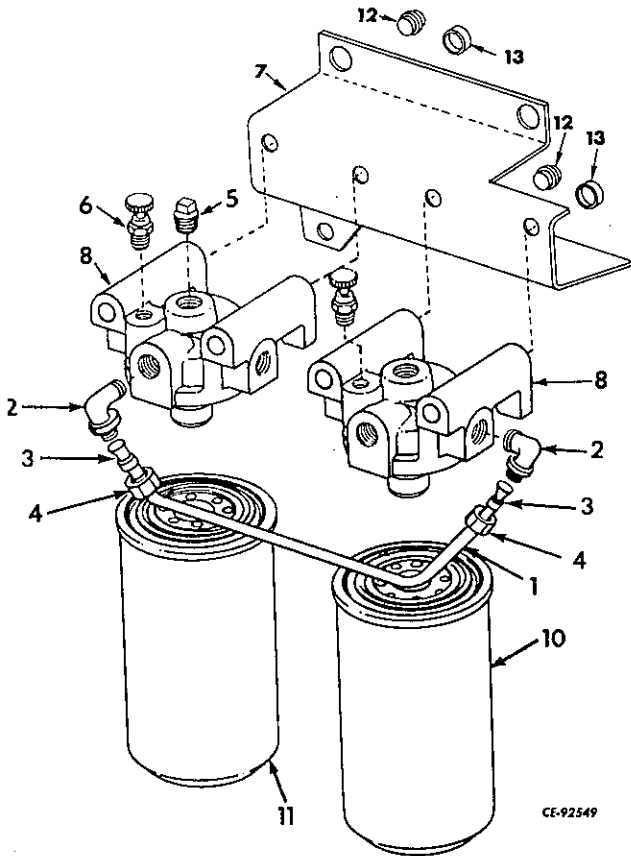
3	615 120 C1	SHIM (.055) (X)
3	615 121 C1	SHIM (.053) (X)
3	615 122 C1	SHIM (.051) (X)
3	615 123 C1	SHIM (.049) (X)
3	615 124 C1	SHIM (.047) (X)
3	615 125 C1	SHIM (.045) (X)
3	615 126 C1	SHIM (.043) (X)
3	615 127 C1	SHIM (.041) (X)
3	615 128 C1	SHIM (.039) (X)
4	615 105 C1	SPRING (6)
5	615 106 C1	SEAT, spring lower (6)
6	615 107 C1	PLATE, intermediate (6)
7	702 746 C1	NOZZLE (used with Nozzle and Holder Assy 702 541 C91) (6)
		407TC2U012883 and up
7	606 400 C91	NOZZLE (6)
		407TC2U012882 and below
8	615 108 C1	NUT, nozzle cap (6)
9	601 076 C1	GASKET, nozzle (not furnished as part of NOZZLE and HOLDER ASSY) (6)
10	364 879 R1	"O" RING, dust seal 7/8 x 1-1/6 x 3/32" (not furnished as part of nozzle and holder assy) (6)
	615 103 C91	HOLDER ASSY, nozzle (6)
		(Includes Ref. No. 2 thru 6 and 8)

(X) - As Required.
 § - Not Furnished Separately.

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FUEL SYSTEM
(DT-407)

PRIMARY AND FINAL FUEL FILTERS



CE-92549

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	670 149 C11	TUBE w/two NUT, 265 205 R1 and two FITTING, 265 204 R1, primary to final filter
2	606 845 C1	ELBOW, primary filter outlet (2)
3	265 204 R1	SLEEVE (2)
4	265 205 R1	NUT (2)
5	444 654	PLUG, 1/4" NPT pipe (4)
6	39 677 DA	VALVE, bleed (2)
7	701 196 C1	BRACKET w/four NUT, 264 723 R1 and WASHER, 262 046 R1, fuel filter mounting
	102 637	1/2" NUT (2)
	103 323	1/2" lock WASHER (2)
	186 285	3/8 x 4" hex-hd cap SCREW (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
8	612 277 C1	HEADER, filter (2)

FUEL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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PRIMARY AND FINAL FUEL FILTERS - CONTINUED

10	702 142 C1	FILTER, final fuel (short type)
10	702 253 C1	FILTER, final fuel (long type)
11	702 143 C1	FILTER, primary fuel (short type)
11	702 251 C1	FILTER, primary fuel (long type)
11	702 256 C1	FILTER, water separator primary fuel (part of ATTACHMENT, 670 069 C91)
12	674 295 C1	NUT, spline (filter mounting bracket) (4)
13	262 046 R1	WASHER (filter mounting bracket) (4)
	670 069 C91	ATTACHMENT, primary fuel filter and water separator (consists of FILTER, 702 256 C1) (see NOTES 1 and 3)

NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

MEMORANDA

MEMORANDA

COOLING SYSTEM

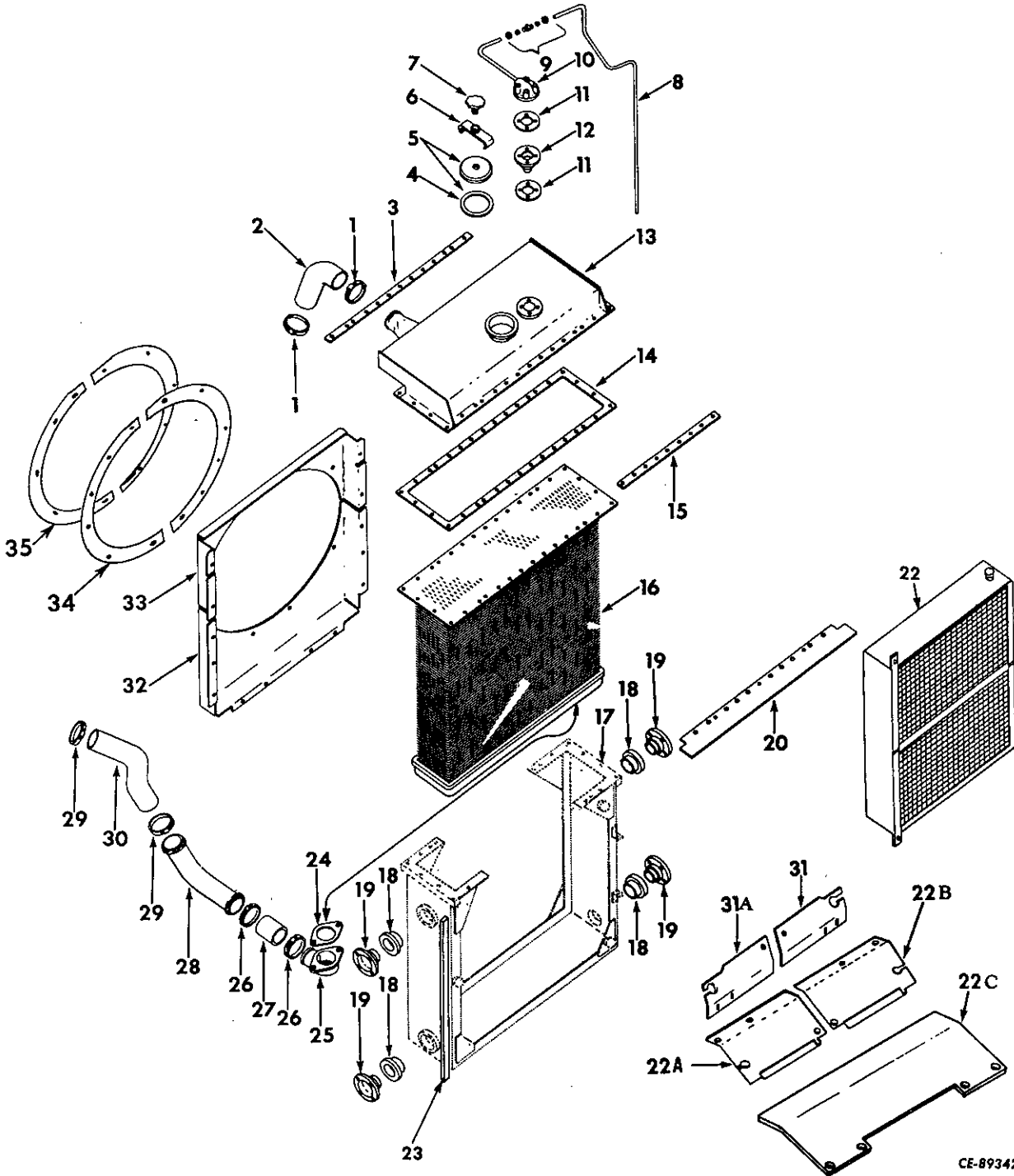
(DT-407)

RADIATOR AND CONNECTIONS
(Regular) (Short Core) (Woods) (Armored)

COOLING SYSTEM

(DT-407)

RADIATOR AND CONNECTIONS - CONTINUED
(Regular) (Short Core) (Woods) (Armored)



CE-89342 B

COOLING SYSTEM
(DT-407)

COOLING SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION	No. Required									
			A	B	C	D	E	F	G	H	J	K
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)												
A-		Service parts for Radiator and Connections (regular) (for Power Shift Crawler Tractors)										
B-	612 551 C91	ATTACHMENT, short core radiator (for Power Shift Crawler Tractors equipped with front cable control unit and radiator guard ATTACHMENT, 334 293 R91 and ATTACHMENT 611 474 C91 (not for Sideboom Crawler Tractors) (*)										
C-	331 924 R91	ATTACHMENT, (woods)radiator (for Manual Shift or Power Shift Crawler Tractors equipped with radiator GUARD, 334 460 R91, 334 471 R91 or radiator guard ATTACHMENT, 334 298 R91) (not for Sideboom Crawler Tractors) (see NOTE 3)										
D-	341 800 R91	ATTACHMENT, armored radiator (for Manual Shift or Power Shift Crawler Tractors equipped with radiator GUARD, 334 460 R91, 334 471 R91 or radiator guard ATTACHMENT, 334 298 R91 and blower fan (not for Sideboom Crawler Tractors) (see NOTE 3)										
E-	331 927 R91	ATTACHMENT, short core radiator (for Power Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 334 293 R91 (not for Sideboom Crawler Tractors) (see NOTE 3)										
F-	334 561 R91	ATTACHMENT, short-core radiator (for Manual Shift Crawler Tractors equipped with front cable control unit radiator guard ATTACHMENT, 338 004 R91) (not for Sideboom Crawler Tractors) (see NOTE 3)										
G-	331 922 R91	ATTACHMENT, short-core woods radiator (for Manual Shift Crawler Tractors equipped with short core radiator ATTACHMENT, 334 561 R91) (not for Sideboom Crawler Tractors) (Order CORE. 348 477 R91 and GASKET, 320 486 R1)										
H-		Service parts for Radiator and Connections (armored core) (for Sideboom Crawler Tractors)										
J-		Service parts for Radiator and Connections (regular) (for Manual Shift, Agr and Custom Crawler Tractors)										
K-		Service parts Radiator and Connections (regular) (for Bucket Back Filler Tractor)										
1	279 028 R91	CLAMP, radiator inlet hose	2							2	2	2
2	609 999 C2	HOSE, radiator inlet	1							1	1	1
3	320 484 R1	BAR, upper tank mounting	1							1	1	1
4	620 086 C1	GASKET, radiator cap TD-15BP 25474 up TD-15BG 25474 up	1							1	1	
4	259 598 R2	GASKET, radiator cap TD-15BP 22001 to 25473 TD-15BG 22001 to 25473	1							1	1	
5	703 480 C1	CAP, locking type radiator TD-15BP 25474 up TD-15BG 25474 up	1							1	1	1
5	259 599 R91	CAP, w/GASKET, 259 598 R2, radiator TD-15BP 22001 to 25473 TD-15BG 22001 to 25473	1							1	1	1
6	703 481 C1	CLAMP, radiator cap TD-15BP 25474 up TD-15BG 25474 up	1							1	1	1
6	259 603 R91	CLAMP, radiator cap TD-15BP 22001 to 25473 TD-15BG 22001 to 25473	1							1	1	1
7	703 482 C1 17 271 R1	HANDLE, radiator cap PIN, 1/8 x 7/8" spring TD-15BP 25474 up TD-15BG 25474 up	1							1	1	1
7	262 603 R12	HANDLE, radiator cap clamp TD-15BP 22001 to 25473 TD-15BG 22001 to 25473	1							1	1	1
8	331 833 R2	PIPE, overflow lower	1							1	1	1
8	343 061 R1	PIPE, overflow lower		1				1	1			
9	140 302	CONNECTOR, overflow pipe	1							1	1	1
10	327 777 R91	HOUSING, pressure valve	1							1	1	1
	179 841	3/8 x 1-1/4" hex-hd cap SCREW	4							4	4	4
	103 321	3/8" lock WASHER	4							4	4	4
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.												
(*) - Attachment No Longer Available, Service Parts Will Be Furnished.												

COOLING SYSTEM

(DT-407)

COOLING SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION	No. Required										
			A	B	C	D	E	F	G	H	J	K	
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)													
11	320 391 R1	GASKET, pressure valve	2								2	2	2
12	321 149 R92	VALVE, w/"O" RING, 252 707 R1, radiator pressure	1								1	1	1
13	343 054 R91	TANK, radiator upper	1								1	1	1
	102 635	3/8" NUT	15								15	15	15
	179 839	3/8 x 1" hex-hd cap SCREW	27								27	27	27
	179 840	3/8 x 1-1/8" hex-hd cap SCREW	11								11	11	11
	103 321	3/8" lock WASHER	38								38	38	38
	252 707 R1	"O" RING, 3/4 x 15/16 x 3/32"	1										
14	320 486 R1	GASKET, radiator upper tank	1						1		1	1	1
15	320 485 R1	STIFFENER, radiator core	2								1	2	2
16	625 950 C1	CORE, and Bottom tank radiator (together with FRAME, 625 951 C1 will work for CORE, 348 488 R91 and CORE, 610 457 C91)	1										
16	348 476 R91	CORE w/lower TANK, radiator			1								
16	348 569 R92	CORE w/lower TANK, radiator				1					1		
16	610 822 C91	CORE w/lower TANK, radiator										1	
16	625 953 C1	CORE, and Bottom tank radiator (together with FRAME, 625 952 C1 will work for CORE, 348 477 R91 and CORE)		1			1	1					1
17		FRAME, radiator (Not Furnished Separately)											
17	348 521 R91	FRAME, radiator										1	
17	625 951 C1	FRAME, radiator core (used with CORE, 625 950 C1)	1	1			1	1	1				1
17	625 952 C1	FRAME, radiator core (used with CORE, 625 953 C1)	1	1			1	1	1				1
18	274 287 R2	MOUNTING, radiator rubber	4								4	4	4
19	311 218 R1	BRACKET, radiator mounting	4								4	4	4
	616 373 C1	BOLT, radiator mounting	16								16	16	16
20	331 834 R11	BAFFLE, radiator top air	1								1	1	
		TD-15BP 22001 to 25000											
		TD-15BG 22001 to 25000											
20	343 062 R11	BAFFLE, radiator top air (furnished as part of cable radiator guard ATTACHMENT, 334 298 R91)											
20	343 062 R11	BAFFLE, radiator top air											
20	624 417 C1	BAFFLE, top radiator air	1	1			1	1					1
		TD-15BP 25001 up											
		TD-15BG 25001 up											
22	610 559 C91	COOLER, oil to air (Also listed and illustrated with "Hydraulic Lines and Connections")	1										
		TD-15BP 22001 up											
		TD-15BPS 22001 up											
	312 565 R1	BUSHING, cooler hinge	2										
	102 637	1/2" NUT (Cooler hinge)	2										
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (Cooler hinge)	2										
	179 858	7/16" x 1" hex-hd cap SCREW	2										
	103 323	1/2" lock WASHER	2										
	103 322	7/16" lock WASHER	2										
	103 342	15/32" flat WASHER	2										
	11 002 VA	WASHER, Flat	2										
	270 711 R1	SHIM, hinge	x										
22A	611 091 C11	BAFFLE, RH lower air	1								1		
	179 835	3/8 x 5/8" hex-hd cap SCREW	2								2		
	103 321	3/8" lock WASHER	2								2		
	103 341	13/32 x 13/16" x 16 ga. WASHER	2								2		
22B	611 097 C1	BAFFLE, w/Drawing ISK 39721, LH lower air	1								1		
	179 835	3/8 x 5/8" hex-hd cap SCREW	3								3		
	103 321	3/8" lock WASHER	3								3		
	103 341	13/32 x 13/16" x 16 ga. WASHER	3								3		
22C	334 263 R2	BAFFLE, radiator lower front air		1			1	1				1	1
	179 835	3/8 x 5/8" hex-hd cap SCREW		4			4	4				4	4
	103 321	3/8" lock WASHER		4			4	4				4	4
	103 341	13/32 x 13/16" x 16 ga. WASHER		4			4	4				4	4
23	609 683 C1	SEAL, side air	2								2	2	
23	609 682 C1	SEAL, side air		2				2	1				2
24	274 395 R1	GASKET, outlet elbow	1								1	1	1
25	327 776 R1	ELBOW, radiator outlet	1								1	1	1
	179 839	3/8 x 1" hex-hd cap SCREW	2								2	2	2
	103 321	3/8" lock WASHER	2								2	2	2
26	279 028 R91	CLAMP, outlet hose	2								2	2	2
27	407 010 R1	HOSE, radiator pipe outlet (2-1/4 x 2-3/8 x 3" long) (*)	1								1	1	1
28	338 242 R1	PIPE radiator outlet	1								1	1	1
28	338 243 R1	PIPE radiator outlet		1				1	1				
		x - As Required.											
		(*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.											

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COOLING SYSTEM
 (DT-407)

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COOLING SYSTEM
 (DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION	No. Required									
			A	B	C	D	E	F	G	H	J	K
RADIATOR AND CONNECTIONS - CONTINUED (Regular) (Short Core) (Woods) (Armored)												
29	279 028 R91	CLAMP, water pump inlet hose	2							2	2	2
30	338 244 R2	HOSE water pump inlet	1							1	1	1
31	345 616 R1	BAFFLE, LH lower rear air		1				1				1
	179 835	3/8 x 5/8" hex-hd cap SCREW		3				3				3
	103 321	3/8" lock WASHER		3				3				3
	103 341	13/32 x 13/16" x 16 ga WASHER		3				3				3
31A	345 617 R11	BAFFLE, RH lower rear air		1				1				1
	179 835	3/8 x 5/8" hex-hd cap SCREW		2				2				2
	103 321	3/8" lock WASHER		2				2				2
	103 341	13/32 x 13/16" x 16 ga. WASHER		2				2				2
32	611 469 C11	SHROUD, lower fan		1				1				1
	181 356	3/8NF x 5/8" hex-hd cap SCREW		4				4				4
	103 321	3/8" lock WASHER		4				4				4
	103 341	13/32 x 13/16" x 16 ga. WASHER		4				4				4
32	611 468 C11	SHROUD, fan lower		1							1	1
	181 360	3/8NF x 3/4" hex-hd cap SCREW		1							1	1
	181 356	3/8NF x 5/8" hex-hd cap SCREW		1							1	1
	103 321	3/8" lock WASHER		5						10	10	
	103 341	13/32 x 13/16" x 16 ga. WASHER		6						10	10	
		(Order the following parts -										
		2 LINER 620 415 C1										
		1 SHROUD 620 413 C1										
		1 SHROUD 620 414 C1										
		2 STIFFENER 620 416 C1										
33	611 467 C11	SHROUD, fan upper		1							1	1
		TD-15BP 22001 to 25391										
		TD-15BPS 22001 to 25390										
	181 360	3/8NF x 3/4" hex-hd cap SCREW		2							2	2
	181 356	3/8NF x 5/8" hex-hd cap SCREW		2							2	2
	103 321	3/8" lock WASHER		4							4	4
	103 341	13/32 x 13/16" x 16 ga. WASHER		3							3	3
33	620 413 C1	SHROUD, fan upper		1								
		TD-15BP 25392 up										
		TD-15BG 25391 up										
	181 360	3/8NF x 3/4" hex-hd cap SCREW		2							2	2
	181 356	3/8NF x 5/8" hex-hd cap SCREW		2							2	2
	103 321	3/8" lock WASHER		4							4	4
	103 341	13/32 x 13/16" x 16 ga. WASHER		3							3	3
34	620 416 C1	STIFFENER, fan shroud liner		2							3	3
	179 838	3/8 x 7/8" BOLT (Nylok)		12								
	103 341	13/32 x 13/16" x 16 ga. WASHER		12								
35	620 415 C1	LINER, fan shroud		2								
	336 182 R1	ADAPTER, safety filter to oil cooler inlet hose (*)		1								
	606 291 C91	ADAPTER, cooler outlet to regulator inlet hose (*)		1								
	274 239 R1	CLIP, overflow pipe (on fan shroud bolts)		2							2	2
	301 819 R1	CLIP, by-pass to cooler hose (*)		2			2					
	296 406 R91	ELBOW, oil cooler outlet to regulator hose (*)		1								
	327 393 R1	GROMMET, radiator oil line rubber (Not used on Power Shift Sideboom Tractor)									2	2
	603 561 C91	HOSE w/two FITTING, 319 753 R91, cooler to safety filter (HOSE, 5/8"ID x 58" long including fittings) (*)		1								
		HOSE w/o FITTINGS, cut length 5/8"ID x 54-5/8" long cut from bulk hose No. 319 710 R1										
	319 753 R91	FITTING, male pipe		2								
	603 562 C91	HOSE w/two FITTING, 319 753 R91, cooler to regulator (HOSE, 5/8"ID x 44" long including FITTINGS) (*)		1			1	1				
		HOSE w/o FITTINGS, cut length 5/8"ID x 40-5/8" long cut from bulk hose No. 319 710 R1										
	319 753 R91	FITTING, male pipe		2			2	2				
	603 553 C91	HOSE w/two FITTING, 319 753 R91, regulator inlet (HOSE, 5/8"ID x 80" long including FITTINGS) (*)		1			1	1				
		HOSE w/o FITTINGS, cut length 5/8"ID x 76-5/8" long cut from bulk Hose No. 319 710 R1										
	319 753 R91	FITTING, male pipe		2			2	2				
	319 710 R1	HOSE, 5/8"ID bulk (x)										
	343 501 R92	COOLER, oil to air lower (*)		1			1					
	181 371	3/8NF x 1-3/8" hex-hd cap SCREW		4			4					
	103 321	3/8" lock WASHER		4			4					
	103 341	13/32 x 13/16" x 16 ga. WASHER		4			4					
	325 990 R1	SPACER, radiator mounting brackets		4							4	
		TD-15BP 22001 to 25000										
		TD-15BG 22001 to 25000										
	31 729 D	VALVE, radiator drain		1							1	1

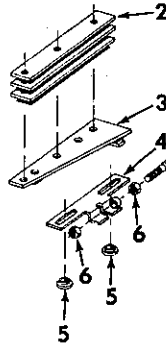
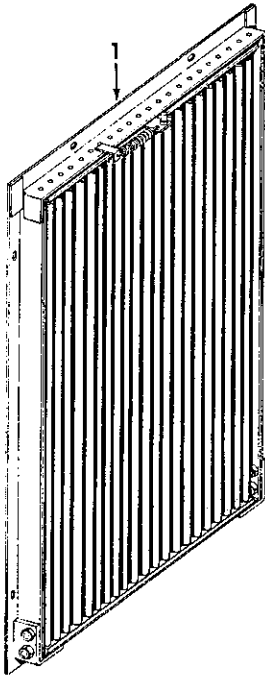
(*) - Also Listed And Illustrated With "Hydraulic Lines and Connections."
 (x) - Order Cut Length As Required.

COOLING SYSTEM

(DT-407)

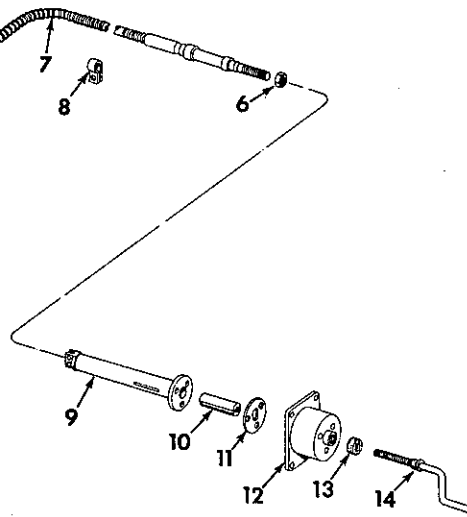
RADIATOR SHUTTER

(Not for use with outboard fan)



RADIATOR SHUTTER - CONTINUED

(Not for use with outboard fan)



IPA-68254

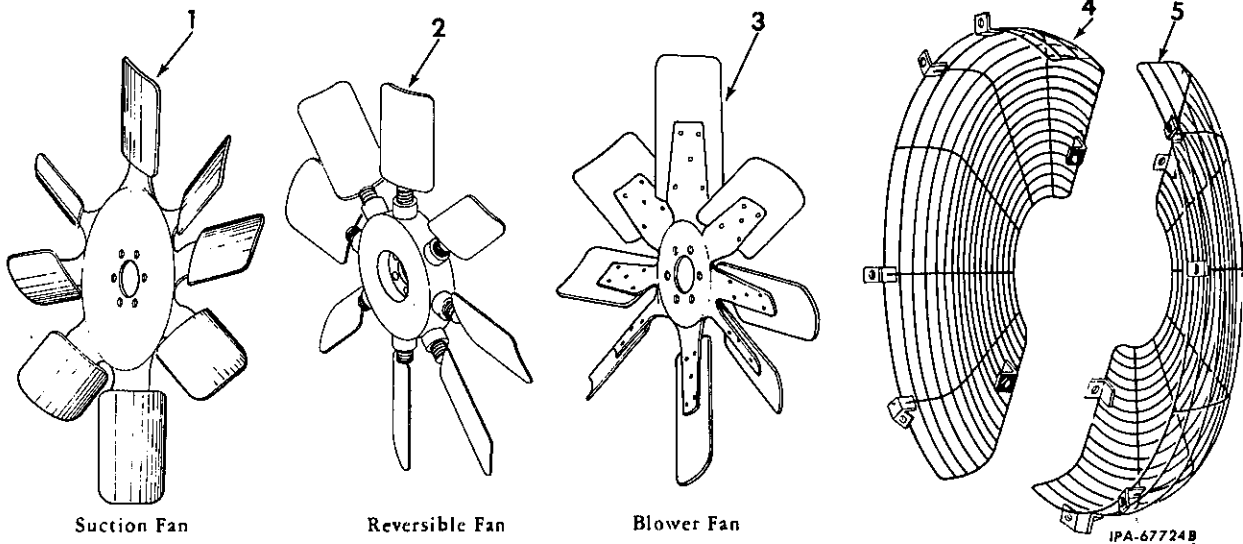
REF. NO.	I. H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for all attachments listed below; Letters "A" and "B" are used to identify separate attachments.		
A	345 735 R91	ATTACHMENT, radiator shutter (for tractors equipped with regular or hydraulic radiator guard) (see NOTE A) TD-15BP 22001 to 25000 TD-15BG 22001 to 25000
B	337 723 R91	ATTACHMENT, radiator shutter (for tractors equipped with rear cable control unit radiator guard) (for gear drive and power shift crawler tractors) (see NOTE A)
C	624 418 C91	ATTACHMENT, radiator shutter (for tractors equipped with regular or hydraulic radiator guard) (see NOTE A) TD-15BP 25001 up TD-15BG 25001 up
1	603 666 C91	SHUTTER, radiator
	179 837	3/8 x 3/4" hex-hd cap SCREW (10)
	103 321	3/8" lock WASHER (10)
	103 341	13/32 x 13/16" x .16 ga WASHER (10)
2	337 679 R1	SPACER, actuator mounting (used only with PLATE, 334 493 R91) (3)
3	345 777 R91	PLATE, actuator mounting (together with SPACER, 337 679 R1, will work for 334 493 R91)
	179 819	5/16 x 1-1/8" hex-hd cap SCREW
	179 837	3/8 x 3/4" hex-hd cap SCREW (3 for ATTACHMENT A)
	103 320	5/16" lock WASHER
	103 321	3/8" lock WASHER (3)
	179 838	3/8 x 7/8" hex-hd cap SCREW (3 for ATTACHMENT B)
4	334 494 R91	ACTUATOR, shutter
5	334 061 R1	GUIDE, shutter actuating (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
6	114 492	NUT, 1/4NF jam (3)
7	609 752 C91	ROD, radiator shutter control (ATTACHMENT A)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
7	609 753 C91	ROD, radiator shutter control (ATTACHMENT B)
	102 634	5/16" NUT (2)
	179 819	5/16 x 1-1/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (3)
	103 320	5/16" lock WASHER (2)
8	27 385 D	CLIP, shutter control rod (ATTACHMENT A and B) (2) TD-15BP 22001 to 25000 TD-15BG 22001 to 25000
	102 635	3/8" NUT (2)
	120 578	3/8 x 3/4" truss-slt-hd mach SCREW (2)
	103 321	3/8" lock WASHER (2)
8	311 500 R1	CLIP, shutter control rod (ATTACHMENT C) (2)
	102 635	3/8" NUT (2)
	120 578	3/8 x 3/4" truss-slt-hd mach SCREW (2)
	103 321	3/8" lock WASHER (2)
9	337 669 R11	GUIDE, radiator shutter control crank
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
10	337 673 R1	PLUG, travel
11	337 676 R1	SPACER, radiator shutter control crank
12	337 672 R1	BRACKET, radiator shutter crank
	102 635	3/8" NUT (4)
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
13	277 184 R1	BOOT
14	337 674 R11	CRANK, shutter control
	343 062 R11	BAFFLE, radiator air top (ATTACHMENT B) (also listed and illustrated under "Radiator and Connections")
	334 496 R1	BLOCK, tapping (10)
	1019 214 R2	PAMPHLET, installation instruction (ATTACHMENT A and B) (2)
	337 721 R1	STIFFENER, vertical (ATTACHMENT A and B) (2)
	624 423 C1	STIFFENER, vertical (ATTACHMENT C) (2)
	620 480 C1	STIFFENER, horizontal (ATTACHMENT C) (2)
NOTE A: ATTACHMENT no longer available. Service parts will be furnished.		

COOLING SYSTEM

COOLING SYSTEM

FAN AND FAN GUARD



Suction Fan

Reversible Fan

Blower Fan

IPA-67724B

I.H. PART NUMBER	DESCRIPTION	No. Required							
		A	B	C	D	E	F	G	H
A- 334 594 R92	ATTACHMENT, fan guard (used on tractors without front cable control unit) (see NOTES 1 and 3)								
B- 334 595 R91	ATTACHMENT, fan guard (used on tractors with front cable control unit) (not for sideboom or Backfiller crawler tractors) (see NOTES 1 and 3)								
C- 620 324 C91	ATTACHMENT, reversible fan (Consists of FAN, 619 629 C91 and PAMPHLET, 1 019 209 R1) (for use on units equipped with Fan Guard Attachments 334 594 R91, or 334 595 R91) (not for sideboom or Backfiller crawler tractors) (see NOTE 3)								
D- 338 908 R91	ATTACHMENT, blower fan (should be used with fan guard ATTACHMENT, 334 594 R91 or 334 595 R91) (not used on tractors with Front Cable Control Unit) (not for sideboom or Backfiller crawler tractors) (see NOTE 3)								
E-	Service parts for suction FAN (regular) (not for sideboom crawler tractors)								
F-	Service parts for blower FAN (regular) (for sideboom crawler tractors)								
G-	Service parts for reversible FAN (for sideboom crawler tractors)								
H-	Service parts for fan guard (for Backfiller crawler tractors)								
1	338 909 R91 FAN, suction (24" dia) (Schwitzer)					1			
	179 838 3/8 x 7/8" hex-hd cap SCREW					6			
	103 321 3/8" lock WASHER					6			
2	619 629 C91 FAN, reversible (Huber)			1					1
	179 844 3/8 x 1-5/8" hex-hd cap SCREW			6					6
	103 321 3/8" lock WASHER			6					6
3	338 908 R91 FAN, blower (24" dia) (Schwitzer)					1		1	
	179 838 3/8 x 7/8" hex-hd cap SCREW					6		6	
	103 321 3/8" lock WASHER					6		6	
4	616 295 C1 GUARD LH, fan (together with RH FAN GUARD 609 995 C92 will work for FAN GUARD 336 048 R92)	1	1						1
	102 635 1/8" NUT	2	2						2
	179 837 3/8 x 3/4" hex-hd cap SCREW	6	5						5
	186 284 3/8 x 3-3/4" hex-hd cap SCREW		1						1
	103 321 3/8" lock WASHER	6	7						7
	103 341 13/32 x 13/16" x 16 ga. WASHER	4	6						6
5	609 995 C92 GUARD RH, fan (together with LH FAN GUARD 616 295 C1 will work for FAN GUARD, 336 048 R92)	1	1						1
	179 837 3/8 x 3/4" hex-hd cap SCREW	4	3						3
	186 282 3/8 x 3-1/4" hex-hd cap SCREW		1						1
	103 321 3/8" lock WASHER	4	4						4
	103 341 13/32 x 13/16" x 16 ga. WASHER	4	7						7
	334 562 R2 SPACER, mounting		2						2

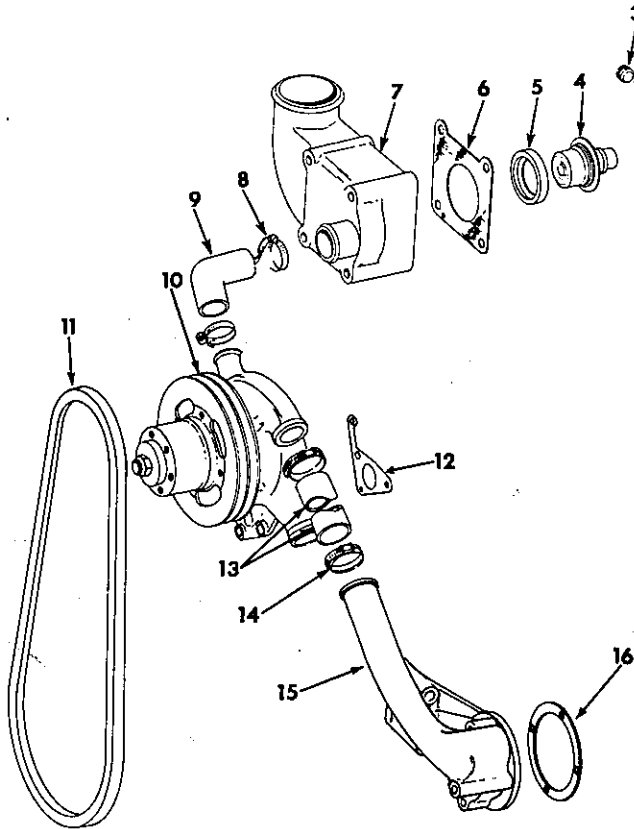
NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

COOLING SYSTEM

(DT-407)

WATER PUMP, THERMOSTAT AND RELATED PARTS



COOLING SYSTEM

(DT-407)

WATER PUMP, THERMOSTAT AND RELATED PARTS - CONTINUED

CEA-84475

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 818 R1	GASKET, elbow (2)
2	607 257 C11	ELBOW w/PLUG, 445 751, thermostat housing mounting
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (3)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (4)
3	445 751	PLUG, 1/2" pipe
4	326 978 R91	THERMOSTAT (175° to 190°) (optional w/THERMOSTAT, 702 346 C1)
4	702 346 C1	THERMOSTAT (170° to 192°) (optional w/THERMOSTAT, 326 978 R91)
4	619 735 C1	THERMOSTAT (185° to 200°) (optional w/THERMOSTAT, 619 736 C1) (X)
4	619 736 C1	THERMOSTAT (180° to 202°) (optional w/THERMOSTAT, 619 735 C1) (X)
5	615 175 C91	RING, thermostat seal (optional with 347 497 R91)
5	347 497 R91	RING, thermostat seal (optional with 615 175 C91)
6	607 258 C1	GASKET, thermostat housing
7	609 115 C2	HOUSING, thermostat
	179 850	3/8 x 2-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
8	279 024 R91	CLAMP, hose (2)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	607 259 C1	HOSE, by-pass
10		PUMP ASSY, water (for components see list of parts under details of "Water Pump and Pulley")
11	612 134 C11	BELT, fan and alternator (set of two)
11	326 758 R11	BELT, fan and generator (set of two)
12	328 892 R1	GASKET, water pump
13	407 006 R1	HOSE, water pump to front oil cooler header (1-3/4 x 2-1/8 x 3-1/4") (*)
14	274 087 R91	CLAMP, hose (2)
15	607 254 C2	HEADER, front oil cooler
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (7)
	186 272	5/16 x 4" hex-hd cap SCREW
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	103 320	5/16" lock WASHER (8)
	103 321	3/8" lock WASHER (2)
16	337 242 R1	GASKET, front oil cooler
	384 554 R1	CLIP, water temperature tube (on thermostat housing mounting bolt)

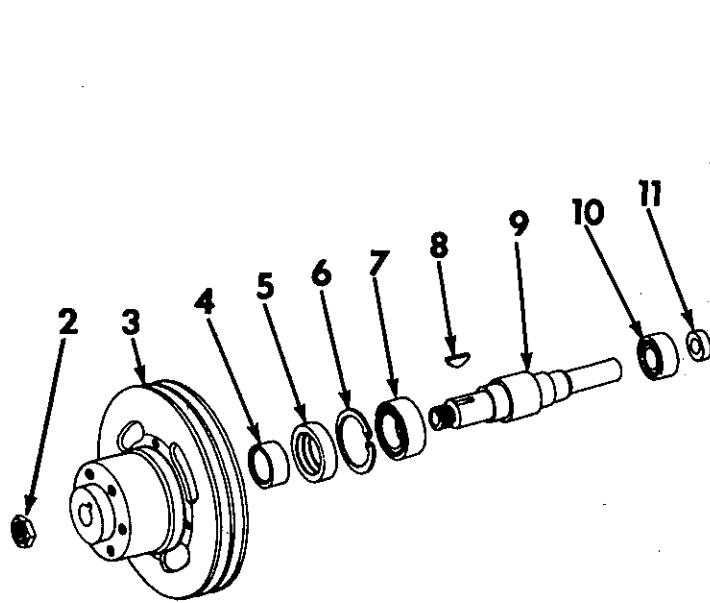
(X) - As Required.

(*) - Make from bulk stock. Bulk stock is furnished in three foot lengths. Part number is for one foot of hose only.

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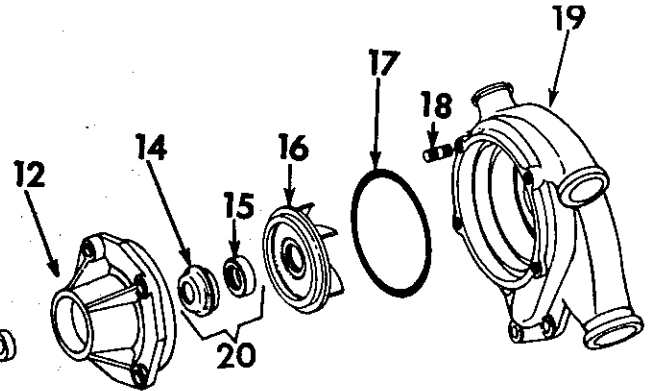
COOLING SYSTEM
(DT-407)

WATER PUMP AND PULLEY



COOLING SYSTEM
(DT-407)

WATER PUMP AND PULLEY - CONTINUED



IPA-66432F

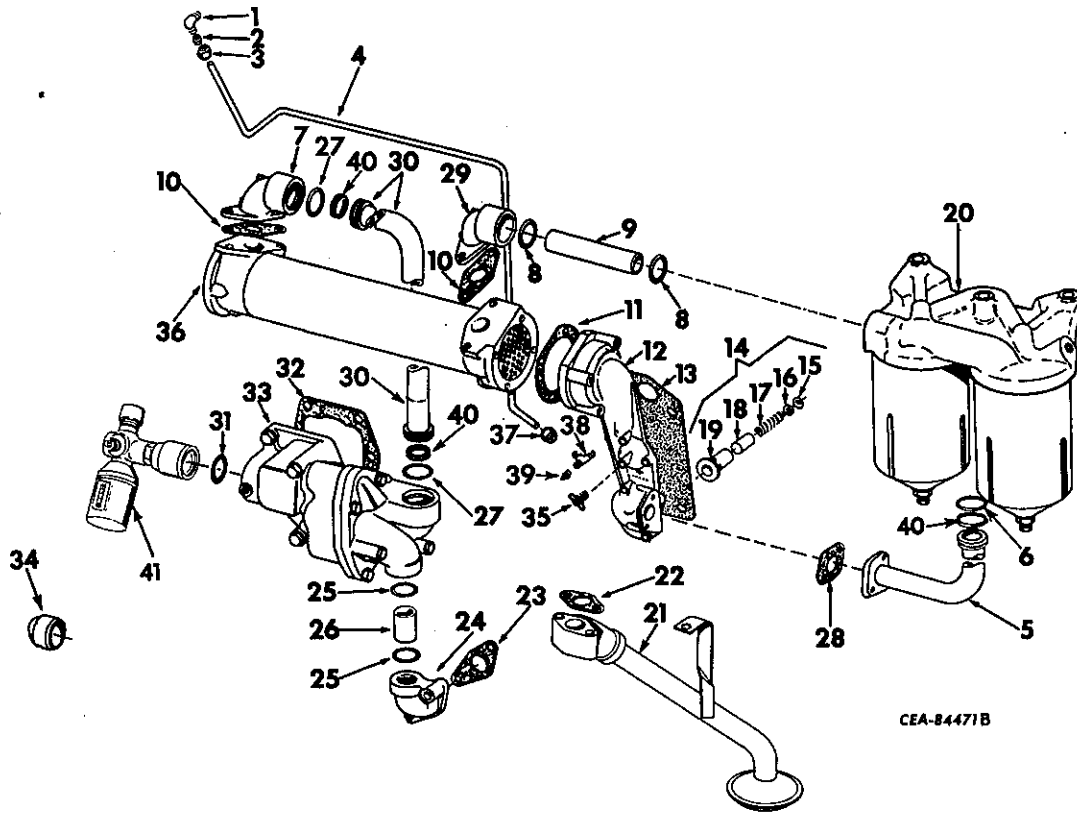
REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	18 501 R1	NUT, 7/8NF
3	332 445 R1	PULLEY, fan 407TC2U036039 and Below
3	672 017 C1	PULLEY, fan 407TC2U036040 and Up
4	326 721 R1	SPACER, water pump
5	333 794 R91	SEAL, water pump shaft
6	456 736 R1	RING, snap
7	ST 715	BEARING, ball
8	124 549	KEY, Woodruff (3/16 x 3/4")
9	345 081 R1	SHAFT, water pump
10	ST 441	BEARING, ball
11	610 051 C91	OIL SEAL, rear
12	328 889 R1 103 026 103 321	HOUSING, bearing 3/8NF NUT (4) 3/8" lock WASHER (4)
14		SEAL, water pump (order PACKAGE, 701 331 C91)
15	265 164 C91	SEAT, water pump seal
16	332 311 R1	IMPELLER, water pump
17	285 253 R1	"O" RING (5-1/2 x 5-3/4 x 1/8")
18	273 050 R1	STUD (4)
19	607 253 C11 179 888 179 890 116 105	BODY w/four STUDS, 273 050 R1, water pump 1/2 x 1-7/8" hex-hd cap SCREW 1/2 x 2-1/4" hex-hd cap SCREW (3) 17/32 x 1-1/16 x .095" copper WASHER (4)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
20	701 331 C91	PACKAGE, water pump seal field service (consists of water pump SEAL and SEAT, 265 164 C91)
	609 459 C92	PACKAGE, water pump field service (Consists of - 1 BEARING ST 441 1 BEARING ST 715 1 GASKET 328 892 R1 1 IMPELLER 332 311 R1 1 KEY 124 549 1 NUT 18 501 R1 1 PACKAGE 701 331 C91 1 RING 285 253 R1 1 RING 456 736 R1 1 SEAL 333 794 R91 1 SEAL 333 794 R91 1 SEAL 610 051 C91 1 SHAFT 345 081 R1 1 SPACER 326 721 R1)
	345 082 R91	PACKAGE, water pump shaft field service (Consists of water pump SHAFT, 345 081 R1 and NUT, 18 501 R1)
	701 335 C91	PACKAGE, water pump bearing housing field service (Consists of - 1 BEARING ST 441 1 BEARING ST 715 1 HOUSING 328 889 R1 1 IMPELLER 332 311 R1 1 KEY 124 549 1 NUT 18 501 R1 1 RING 456 736 R1 1 SEAL 610 051 C91 1 SEAL 333 794 R91 1 SEAT 265 164 C91 1 SHAFT 345 081 R1 1 SPACER 326 721 R1 § 1 SEAL)

§ - Not Furnished Separately.

LUBRICATION SYSTEM
(DT-407)

ENGINE OIL COOLER, FILTER AND PUMP PIPING



CEA-84471B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	606 894 C1	ORIFICE, oil gallery to cylinder head tube
2	615 092 C1	SLEEVE, oil gallery to cylinder head tube
3	615 091 C1	NUT, oil gallery to cylinder head tube
4	607 265 C1	TUBE, oil gallery to cylinder head
5	332 564 R11 179 817 103 320	TUBE w/GLAND, 325 551 R1, filter header to rear cooler header 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
	332 551 R1	GLAND, 1/8" "O" ring
6	343 398 R2	"O" RING, filter header to cooler header tube (1-1/4 x 1-1/2 x 1/8")
7	332 554 R1 179 817 103 320	ELBOW, oil cooler front 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
8	343 396 R2	"O" RING, cooler to filter tube (1-1/8 x 1-3/8 x 1/8") (2)
9	607 264 C1	TUBE, cooler to filter
10	332 555 R1	GASKET, oil cooler elbow (2)
11	337 242 R1	GASKET, oil cooler to header

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LUBRICATION SYSTEM
(DT-407)

ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
12	607 263 C1	HEADER, pressure regulator valve and rear oil cooler
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	179 848	3/8 x 2-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (5)
13	345 247 R1	GASKET, cooler header
14	341 195 R92	VALVE ASSY, pressure regulating
15		RING, valve spring seat snap (Not Furnished Separately)
16		SEAT, valve spring (Not Furnished Separately)
17		SPRING, valve (Not Furnished Separately)
18		VALVE, pressure regulating (Not Furnished Separately)
19		HOUSING, valve (Not Furnished Separately)
20		FILTER ASSY, lubricating oil (for components see list of parts under details of "Lubricating Oil Filter")
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)

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LUBRICATION SYSTEM

(DT-407)

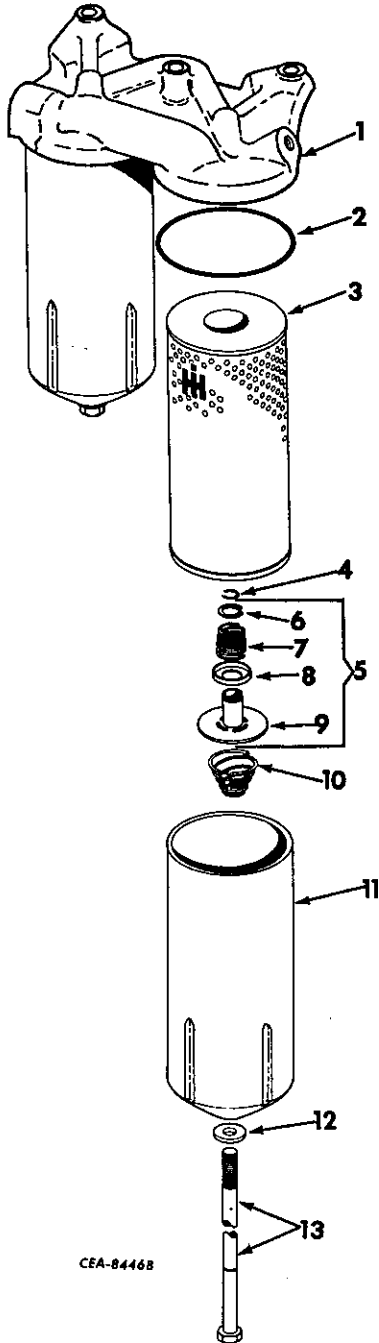
MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, FILTER AND PUMP PIPING - CONTINUED		
21	332 545 R91	INLET, oil pump
	18 253 R1	NUT, 3/8" Esna stop
	179 837	3/8 x 3/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
22	332 549 R1	GASKET, oil pump inlet
23	332 544 R1	GASKET, oil outlet elbow
24	332 543 R1	ELBOW, crankcase oil outlet
	179 839	3/8 x 1" hex-hd cap SCREW
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
25	343 396 R2	"O" RING, oil outlet to pump tube (1-1/8 x 1-3/8 x 1/8") (2)
26	332 542 R1	TUBE, crankcase oil outlet to pump
27	343 398 R1	"O" RING, oil pump to oil cooler tube (1-1/4 x 1-1/2 x 1/8") (2)
28	332 566 R1	GASKET, filter header to rear cooler header tube
29	607 262 C1	ELBOW, oil cooler rear
	179 817	5/16 x 7/8" hex-hd cap SCREW
	179 825	5/16 x 1-7/8" hex-hd cap SCREW
	103 320	5/16" lock WASHER (2)
30	607 261 C11	TUBE w/two GLAND, 332 551 R1, pump to cooler
31	382 781 R1	"O" RING, oil pump end plug (1-3/4 x 1-15/16 x 3/32")
32	332 536 R1	GASKET, oil pump mounting
33	332 520 R94	PUMP ASSY, oil (for components see list of parts under details of "Oil Pump")
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
34	337 240 R1	PLUG, oil pump end (not used on units equipped with Tachometer Drive or Service Recorder)
	139 013	1/4 x 1/2" hex-soc set SCREW
35	9 982 T	VALVE, water drain
36	606 895 C91	COOLER, oil (optional with 606 896 C92)
36	606 896 C92	COOLER, oil (optional with 606 895 C91)
	444 624 C92	PLUG, oil cooler pipe
37	19 984 R1	NUT, 1/4" nylon insert tube
38	16 898 R1	TEE
39	444 571	PLUG, 1/8" pipe
40	332 551 R1	GLAND, 1/8" "O" ring (3)
41	619 579 C91	RECORDER, service 407TC2U026416 up
	670 652 C1	SCREW, 1/4" sq-hd set
	279 673 R91	SEAL, wire

LUBRICATION SYSTEM

(DT-407)

LUBRICATING OIL FILTER



CEA-84468

LUBRICATION SYSTEM

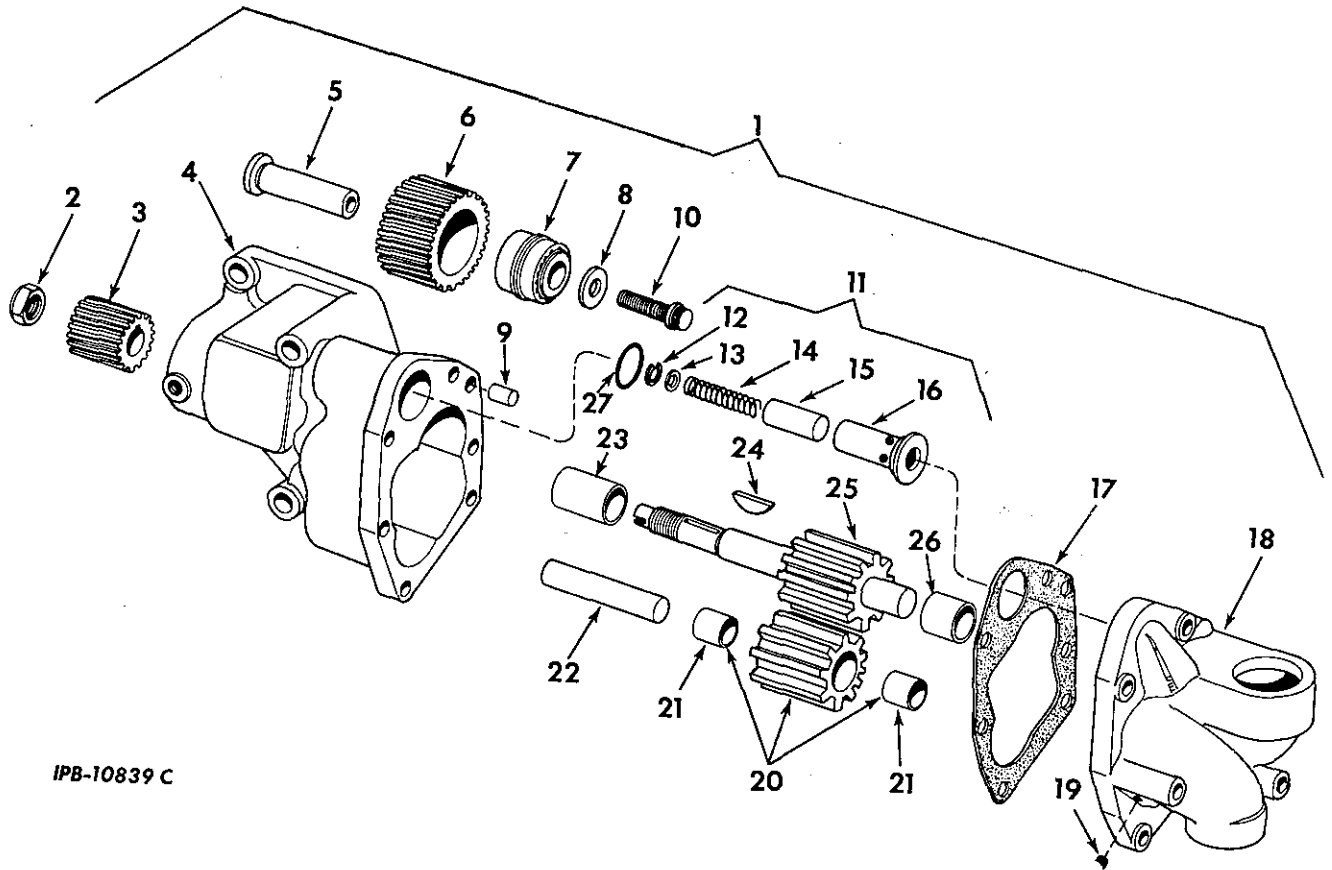
(DT-407)

LUBRICATING OIL FILTER - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	607 266 C11 445 686	HEADER w/PLUG, 445 686, oil filter PLUG, 3/8" sq-hd pipe
2	304 854 R1	GASKET, oil filter case (2)
3	323 827 R91	PACKAGE, oil filter element field service (consists of ELEMENT and GASKET, 304 854 R1) (2)
4	324 653 R1	RING, retaining (2)
5	312 887 R91	VALVE ASSY, by-pass (2)
6	154 665 R1	RETAINER, by-pass valve spring (2)
7	308 458 R1	SPRING, by-pass valve (2)
8		VALVE, by-pass (order 312 887 R91) (2)
9		CUP, element sealing (order 312 887 R91) (2)
10	308 422 R1	SPRING, oil filter element retaining (2)
11	349 077 R91	CASE w/WASHER, oil filter (2)
12	59 657 D	WASHER, copper (2)
13	345 237 R1	BOLT, oil filter case retaining (2)

LUBRICATION SYSTEM
(DT-407)

LUBRICATING OIL PUMP



IPB-10839 C

LUBRICATION SYSTEM
(DT-407)

LUBRICATING OIL PUMP - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	332 520 R94 179 840 186 283 103 321 660 533 R2	PUMP ASSEMBLY, lubricating oil 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8 x 3-1/2" hex-hd cap SCREW 3/8" lock WASHER (4) BOLT, drilled head
2	19 263 R1	NUT, 5/8NF Esna
3	332 523 R1	GEAR, oil pump drive
4	332 521 R11	BODY w/BUSHING, 345 291 R1, SHAFT, 332 524 R1 and PIN, 19 841 R1, oil pump
5	332 528 R1	SHAFT, oil pump drive idler
6	332 529 R1	GEAR, oil pump drive idler
7	347 299 R91	BEARING ASSEMBLY
8	332 530 R1	WASHER, shaft
9	19 841 R1	PIN, 1/4 x 1/2" dowel
10	179 841	BOLT, 3/8NF x 1-1/4" (12 pt)
11	345 161 R91	VALVE ASSEMBLY, relief
12		RING, relief valve spring seat snap (Not Furnished Separately)
13		SEAT, relief valve spring (Not Furnished Separately)
14		SPRING, relief valve (Not Furnished Separately)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
15		BODY, relief valve (Not Furnished Separately)
16		HOUSING, relief valve (Not Furnished Separately)
17	601 381 C1	GASKET, oil pump
18	332 527 R21 9 409 954, oil pump 179 819 179 828 179 830 186 270 103 320	COVER w/BUSHING, 345 292 R1 and PLUG, 5/16 x 1-1/8" hex-hd cap SCREW (3) 5/16 x 2-1/2" hex-hd cap SCREW 5/16 x 3" hex-hd cap SCREW 5/16 x 3-1/2" hex-hd cap SCREW 5/16" lock WASHER (6)
19	9 409 954	PLUG, 1/16" hex-soc pipe
20	326 767 R21	GEAR w/two BUSHING, 326 768 R1, oil pump idler
21	326 768 R1	BUSHING, idler gear (2)
22	332 524 R1	SHAFT, idler gear
23	345 291 R1	BUSHING, drive shaft (body end)
24	124 545	KEY, 1/8 x 5/8" Woodruff
25	332 522 R12	SHAFT w/GEAR, oil pump drive
26	345 292 R1	BUSHING, drive shaft (cover end)
27	349 055 R2	"O" RING, relief valve (13/16 x 1 x 3/32") (used with VALVE, 345 161 R91)

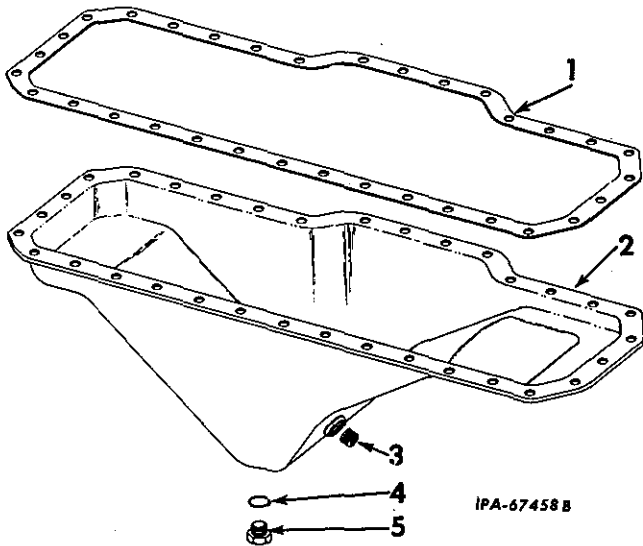
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LUBRICATION SYSTEM

(DT-407)

MEMORANDA

CRANKCASE OIL PAN



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	328 731 R1	GASKET, crankcase oil pan
2	332 065 R11	PAN w/GASKET, 3 405 H, PLUG, 444 880 and PLUG, 445 096, crankcase oil
	179 838	3/8 x 7/8" hex-hd cap SCREW (33)
	103 321	3/8" lock WASHER (33)
3	444 880	PLUG, 3/4" pipe (brs) (optional with 9 409 949)
3	9 409 949	PLUG, 3/4" pipe (stl) (optional with 444 880)
4	59 658 D	GASKET, crankcase oil pan drain plug
5	445 096	PLUG, crankcase oil pan drain

MEMORANDA

MEMORANDA

TURBOCHARGER

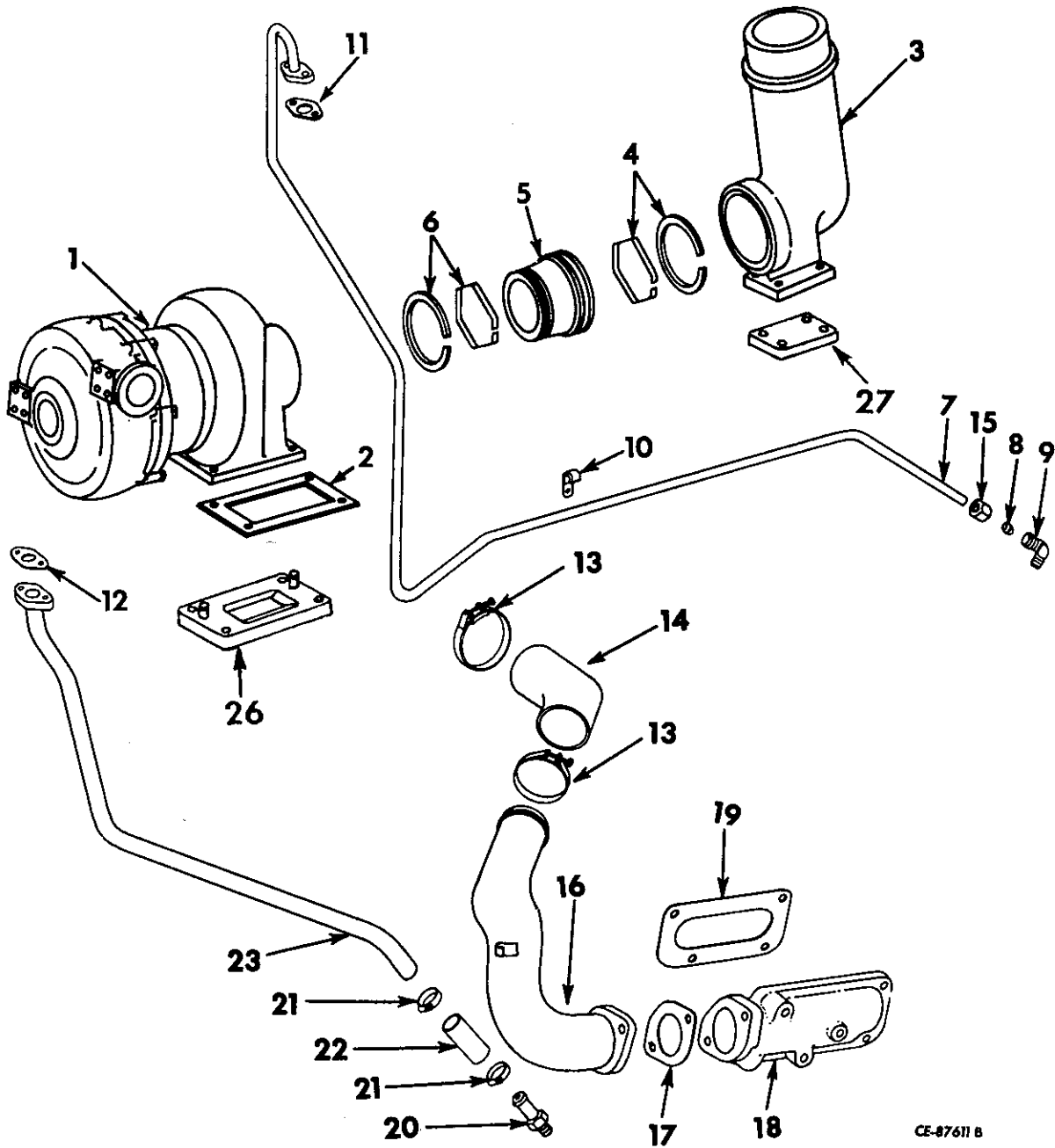
(DT-407)

TURBOCHARGER AND PIPING
(Schwitzer)

TURBOCHARGER

(DT-407)

TURBOCHARGER AND PIPING - CONTINUED
(Schwitzer)



CE-87611 B

TURBOCHARGER
(DT-407)

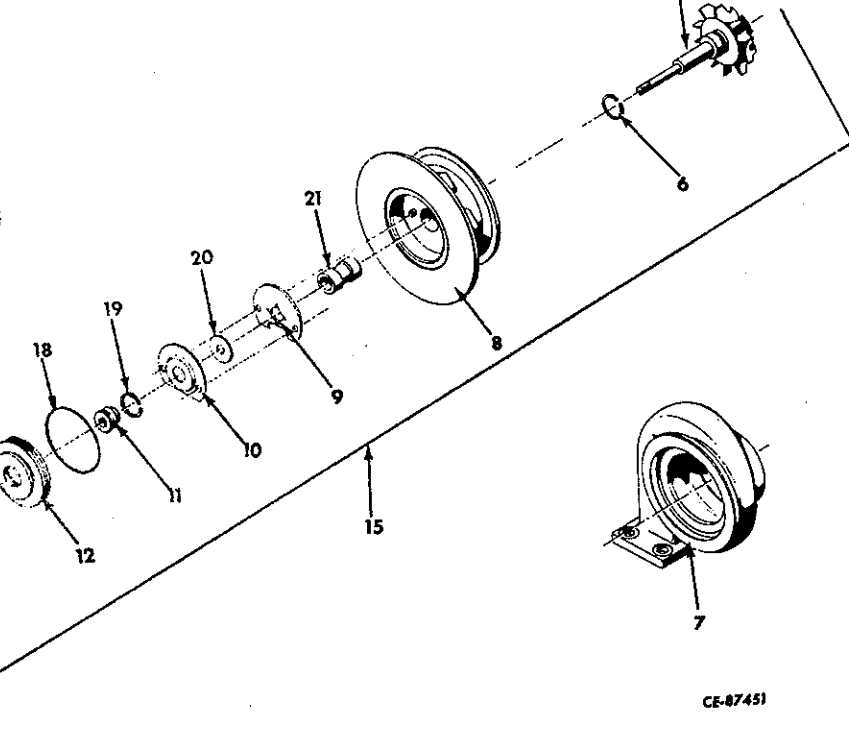
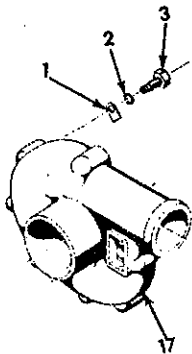
REF. NO.	I. H. PART NUMBER	DESCRIPTION
TURBOCHARGER AND PIPING - CONTINUED (Schwitzer)		
1		TURBOCHARGER ASSY (For components see list of parts under details of "Turbocharger")
	304 451 R1	3/8NF NUT (4)
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (4)
2	670 035 C1	GASKET, turbocharger
3	670 049 C1	ELBOW, turbocharger exhaust outlet
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (4)
	304 451 R1	3/8NF NUT (4)
4	606 918 C91	SEAL w/RING, turbocharger exhaust sleeve
5	670 036 C1	SLEEVE, turbocharger exhaust
6	615 710 C1	SEAL w/RING, turbocharger exhaust sleeve
7	670 052 C11	TUBE, turbocharger oil inlet 407TC2U024013 and below
7	670 620 C11	TUBE, turbocharger oil inlet 407TC2U024014 and up
	179 818	5/16 x 1" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
8	277 737 R1	SLEEVE, tube
9	277 743 R1	ELBOW
10	670 043 C1	CLIP, oil inlet tube
11	253 660 R1	GASKET, flange
12	341 464 R1	GASKET, flange
13	279 027 R91	CLAMP, hose (2)
14	670 053 C1	ELBOW, turbocharger air outlet
15	277 738 R1	NUT, tube
16	670 050 C11	TUBE, turbocharger air outlet 407TC2U024013 and below
16	670 619 C11	TUBE, turbocharger air outlet 407TC2U024014 and up
	179 858	7/16 x 1" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
17	369 497 R2	GASKET, air outlet tube
18	607 286 C11	ELBOW w/two PLUG, 444 577 air intake
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	444 577	PLUG, 1/4" sq-hd pipe (2)
19	327 755 R1	GASKET, air intake elbow
20	343 750 R1	CONNECTOR, hose
21	122 316 R91	CLAMP, hose (2)
22	336 681 R1	HOSE, turbocharger oil drain (3/4" ID x 2-1/4" long)
23	670 037 C11	TUBE ASSY, turbocharger oil drain
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

TURBOCHARGER
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TURBOCHARGER AND PIPING - CONTINUED (Schwitzer)		
26	670 063 C11	ADAPTER w/two STUD, 291 140 R1, turbocharger 407TC2U023384 and below
	619 471 C1	NUT w/WASHER (2)
	103 026	3/8NF NUT (8)
	179 847	3/8NF x 2" hex-hd cap SCREW (6)
	181 377	3/8NF x 1-3/4" hex-hd cap SCREW (2)
27	670 088 C1	ADAPTER, turbocharger exhaust elbow 407TC2U023384 and below
	11 215 D	STUD, turbocharger adapter (2)
	304 391 R2	GASKET, turbocharger adapter 407TC2U023384 and below

TURBOCHARGER
(DT-407)

TURBOCHARGER
(Schwitzer)

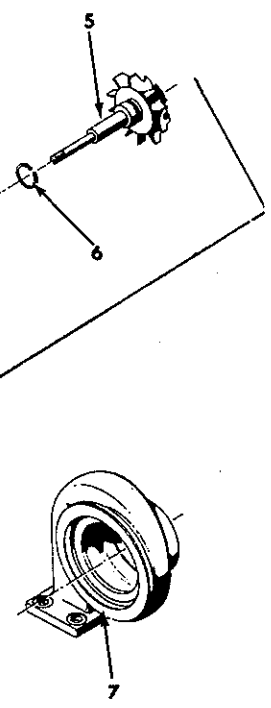
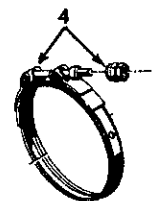


CE-87451

REF. NO.	I.H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for all turbochargers listed below. Letters "A" and "B" are used to identify separate turbochargers.		
A	702 929 C91	TURBOCHARGER ASSEMBLY (Model 3LD-279) (149018) 407TC2U024014 to 407TC2U043503
B	702 277 C91	TURBOCHARGER ASSEMBLY (Model 3LD-229) (146718) 407TC2U000501 to 407TC2U024013 and 407TC2U043504 up
1	619 474 C1	CLAMP, tab type (4)
2		1/4" lock WASHER (8)
3	615 811 C1	BOLT, 1/4 x 5/8" (8)
4	702 384 C91	CLAMP w/NUT, 313 163 R1, "V" Band
	313 163 R1	NUT, 1/4NF Self Lock
5	702 386 C1	WHEEL and SHAFT, turbine
6	615 819 C1	RING, turbine piston (Copper Coated)
7	615 812 C1	HOUSING, turbine (TURBOCHARGER B)
7	619 635 C1	HOUSING, turbine (TURBOCHARGER A)
8	702 387 C1	HOUSING, bearing
9	615 818 C1	PLATE, thrust
10	615 816 C1	DEFLECTOR, oil

TURBOCHARGER
(DT-407)

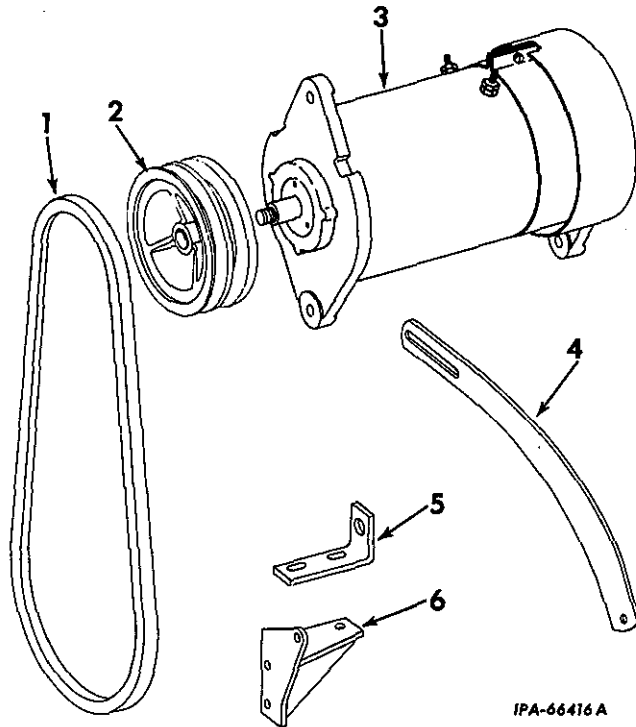
TURBOCHARGER - CONTINUED
(Schwitzer)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	615 815 C1	SLEEVE, spacer
12	615 333 C1	INSERT, flinger plate
13	615 813 C1	WHEEL, compressor (TURBOCHARGER B)
13	619 633 C1	WHEEL, compressor (TURBOCHARGER A)
14	615 814 C1	NUT, wheel lock
15	702 385 C91	CORE ASSEMBLY, turbocharger (TURBOCHARGER B)
15	619 632 C91	CORE ASSEMBLY, turbocharger (TURBOCHARGER A)
16	615 332 C1	RING, insert snap
17	615 810 C1	COVER, compressor (TURBOCHARGER B)
17	619 634 C1	COVER, compressor (TURBOCHARGER A)
18	615 334 C1	"O" RING, insert (2.55 x 2.756 x .103)
19	313 156 R1	RING, sleeve piston
20	615 817 C1	RING, thrust
21	615 820 C1	BEARING, housing

ELECTRICAL SYSTEM
(DT-407)

GENERATOR, CRANKING MOTOR AND CONNECTIONS
407TC2UO 32317 and Below



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	326 758 R11	BELT, generator and fan (set of two)
2	607 228 C1	PULLEY, generator (Used with heavy duty generator)
2	326 544 R1	PULLEY, generator (Not used with heavy duty generator)
3		GENERATOR ASSEMBLY, 24 volt (for components see list of parts under details of "Generator")
	19 258 R1	NUT, 1/2" Esna
	103 028	1/2NF NUT
	181 431	1/2NF x 1-1/2" hex-hd cap SCREW
	131 442	1/2NF x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER
4	341 652 R2	ARM, generator
	179 838	3/8 x 7/8" hex-hd cap SCREW
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
	142 127 R1	WASHER, flat
5	328 719 R1	FOOT, generator mounting
	103 026	3/8NF NUT (2)
	181 370	3/8NF x 1-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	142 127 R1	WASHER, flat
6	326 545 R11	BRACKET, generator mounting
	103 026	3/8NF NUT (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW
	186 310	3/8NF x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
	362 120 R1	CLIP, generator cable harness

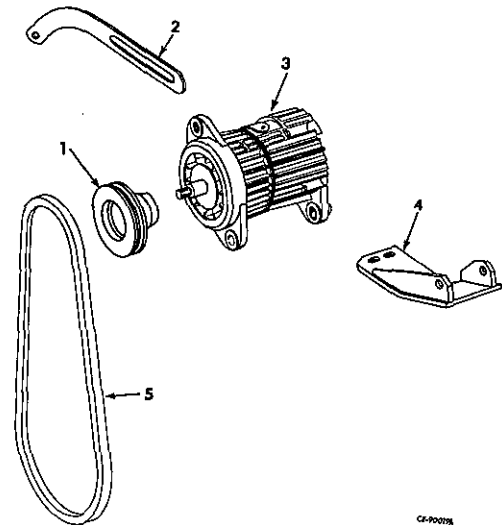
ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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GENERATOR, CRANKING MOTOR AND CONNECTIONS - CONTINUED
407TC2UO 32317 and Below

304 573 R1	GASKET, cranking motor
	MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
179 885	1/2 x 1-1/2" hex-hd cap SCREW (3)
103 323	1/2" lock WASHER (3)
607 736 C91	ATTACHMENT, heavy duty generator (consists of Generator (Delco-Remy No. 1105237), voltage REGULATOR (Delco-Remy No. 1 119 677) and PULLEY, 607 228 C1) (See NOTES 1 and 3)

ALTERNATOR, CRANKING MOTOR AND CONNECTIONS
407TC2UO 32318 and Up



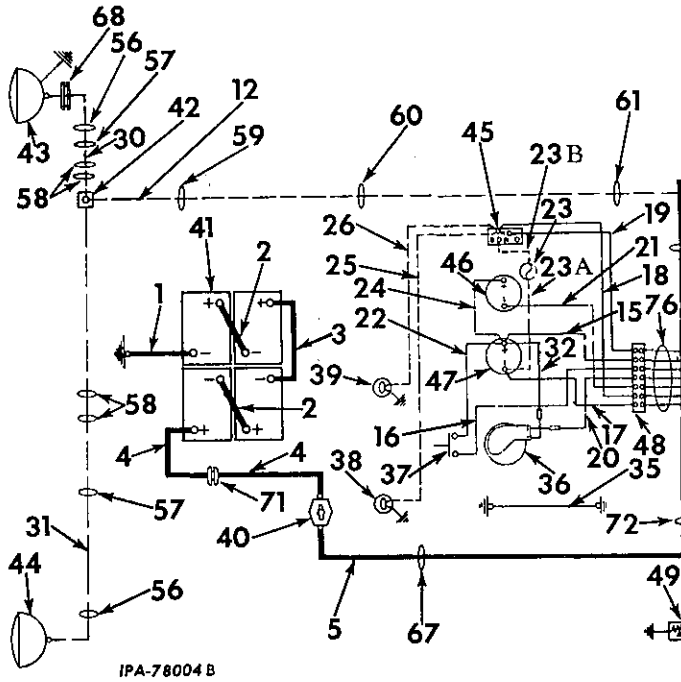
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	670 707 C1	PULLEY, alternator
2	670 708 C1	BRACE, alternator
	179 840	3/8 x 1-1/8" hex-hd cap SCREW
	179 883	1/2 x 1-1/4" hex-hd cap SCREW
	103 323	1/2" lock WASHER
	103 321	3/8" lock WASHER
	200 835 R1	WASHER, flat
3		ALTERNATOR ASSY (for components see list of parts under details of "Alternator")
	102 637	1/2" NUT (2)
	103 323	1/2" lock WASHER (2)
	179 888	1/2 x 1-7/8" hex-hd cap SCREW
	179 893	1/2 x 3" hex-hd cap SCREW
4	670 706 C1	BRACKET, alternator
	102 635	3/8" NUT
	103 321	3/8" lock WASHER (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW
	179 838	3/8 x 7/8" hex-hd cap SCREW
5	612 134 C11	BELT, alternator and fan
	362 120 R1	CLIP, cable harness
	304 573 R1	GASKET, cranking motor flange
		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
	271 560	5/8 x 1-3/4" hex-hd cap SCREW (3)
	103 325	5/8" lock WASHER (3)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING
 (For Manual Shift Crawler Tractors)
 TD-15BG 22001 to 23039
 TD-15BGF 22001 to 23039
 TD-15BGS 22001 to 23039

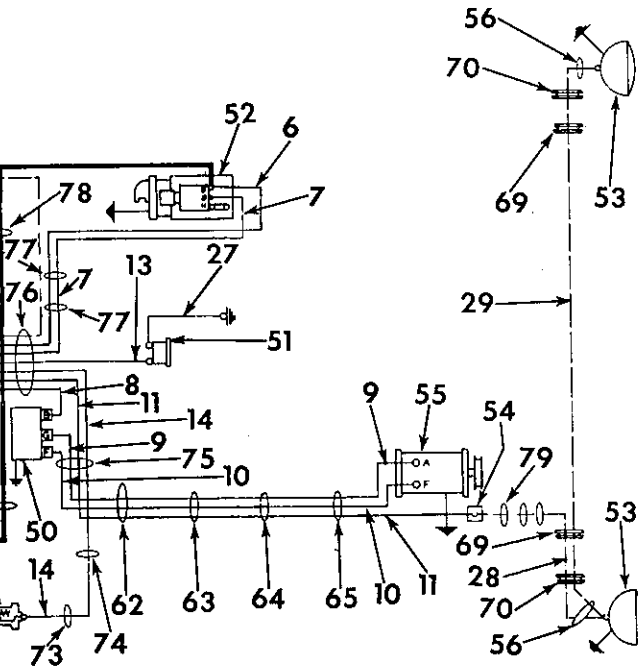


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ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
 (For Manual Shift Crawler Tractors)
 TD-15BG 22001 to 23039
 TD-15BGF 22001 to 23039
 TD-15BGS 22001 to 23039



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) on battery to master switch
5	334 602 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator (pink)
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (order HARNESS, 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (order HARNESS, 334 761 R91)
11		CABLE, terminal block to headlight junction block (green) (order HARNESS, 334 761 R91)
12	358 581 R91	CABLE, terminal block to rear junction block (white) (†)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	341 873 R91	CABLE, terminal block to hourmeter pressure switch (yellow)
14		CABLE, terminal block to clutch oil temperature sending unit (orange) (order HARNESS, 334 761 R91)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (order HARNESS, 334 759 R91)
16	337 594 R91	CABLE, terminal block to starting switch
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (order HARNESS, 334 759 R91)
18		CABLE, terminal block to light switch (headlight) (green) (order HARNESS, 334 759 R91)
19		CABLE, terminal block to light switch (rear light) (white) (order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus terminal on hourmeter (yellow) (order HARNESS, 334 759 R91)
21		CABLE, terminal block to clutch oil temperature gauge (orange) (order HARNESS, 334 759 R91)
22	363 841 R91	CABLE, plus (+) terminal on ammeter to starting switch
		(†) - Part of Electric Lighting ATTACHMENT, 604 891 C91

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 22001 to 23039 TD-15BGF 22001 to 23039 TD-15BGS 22001 to 23039		
23	376 852 R91	HOUSING FUSE (‡)
23A	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (‡)
23B	604 893 C91	CABLE, fuse housing to light switch (‡)
24	611 487 C91	CABLE, plus (+) terminal on ammeter to clutch oil temperature gauge (used with GAUGE, 610 720 C91)
24	604 872 C91	INSULATOR, plus (+) terminal on ammeter (Used with GAUGE, 702 772 C1)
25		CABLE, lighting switch to RH instrument panel light (part of panel light) (‡)
26		CABLE, lighting switch to LH instrument panel light (part of panel light) (‡)
27	341 874 R91 178 540	CABLE, hourmeter pressure switch to ground (also listed with "Hourmeter") 5/16" internal-external tooth lock WASHER
28	358 111 R92	CABLE, junction block to RH headlight
29	358 118 R91	CABLE, LH to RH headlight (‡)
30	62 862 D	CABLE, junction block to rear light (48" long) (‡)
31	358 566 R91	CABLE, supplement rear light RH to rear junction block (#)
32	267 811 R91	CABLE, plus (+) terminal on ammeter to plus (+) terminal on hourmeter (also listed with "Hourmeter")
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10NF NUT (2) No. 10NF x 3/4" pan-hd sltd mach SCREW No. 10 lock WASHER No. 10 int-ext tooth lock WASHER (2)
36		HOURLMETER (for components see list of parts under details of "Hourmeter")
37		SWITCH, starting (for components see list of parts under details of "Starting Switch")
38		LIGHT, RH panel (order PACKAGE, 603 467 C91) (‡)
39		LIGHT, LH panel (order PACKAGE, 603 467 C91) (‡)
40		SWITCH, master (for components see list of parts under details of "Master Switch")
41		BATTERY (6 volt) (Prestolite 1258X)
42	42 915 D 103 088 132 923 106 497	BLOCK, rear light junction (on LH side sheet) (‡) No. 10NF NUT No. 10NF x 1" pan-hd sltd mach SCREW No. 10 lock WASHER
43	327 189 R91	LIGHT ASSY, rear (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (‡)
44	327 189 R91	LIGHT ASSY, auxiliary RH rear (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (#)

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 22001 to 23039 TD-15BGF 22001 to 23039 TD-15BGS 22001 to 23039		
45	606 298 C91	SWITCH, lighting (‡)
	606 299 C91 103 322	KNOB, lighting switch 7/16" lock WASHER
46	610 722 C91	GAUGE, engine clutch oil temperature (order PLUG 432 577) also listed and illustrated with "Instruments and Instrument Panel")
47		AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
48	324 788 R91 103 092 100 750 100 754 106 496 115 544	BLOCK, feed thru terminal No. 8 NUT No. 8 x 3/8" pan-hd-sltd mach SCREW (3) No. 8 x 7/8" pan-hd-sltd mach SCREW No. 8 lock WASHER (4) No. 8 int-tooth lock WASHER
49	610 723 C91	UNIT, engine clutch oil temp (used with GAUGE, 610 722 C91) (order PLUG 444 624)
49	336 126 R91	UNIT, engine clutch oil temperature sending (used with GAUGE, 336 125 R92)
50		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
51		SWITCH, hourmeter pressure (also listed with "Hourmeter")
52		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
53	327 189 R91	LIGHT, front head (Hobbs MI-2705) (for components see list of parts under details of "Headlights, Rear Light and Auxiliary RH Rear Light") (‡)
54	42 915 D 103 088 132 923 106 497 354 260 R1	BLOCK, RH front headlight junction (mounted on fan shroud) (‡) No. 10NF NUT No. 10NF x 1" pan-hd-sltd-mach SCREW No. 10 lock WASHER SPACER, junction block
55		GENERATOR (for components see list of parts under details of "Generator")
56	263 514 R91	CLIP, cable (mounted on light bracket bolt) (‡) (#) (4)
57	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (‡) (#) (2)
58	362 120 R1	CLIP, cable (mounted on top and bottom bolts of LH seat side sheet) (‡) (#) (4)
59	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (‡)
60	263 717 R91	CLIP, cable (mounted on LH rear bolt of seat frame support cross bar)
61	362 120 R1 179 837 103 321	CLIP, cable (mounted on top front LH fender bolt) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
		(‡) - Part of Electric Lighting ATTACHMENT, 604 891 C91. (#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C91.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 22001 to 23039 TD-15BGF 22001 to 23039 TD-15BGS 22001 to 23039		
62	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
63	362 120 R1	CLIP, (mounted on front bolt of oil filler neck flange)
64	366 460 R1	CLIP, cable (mounted on bottom bolt of injection pump spacer) (§)
	103 341	13/32 x 13/16 x 16 ga WASHER
65	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)
67	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
68	109 390	GROMMET (mounted on fuel tank support cover) (§)
69	59 995 R1	GROMMET (mounted on top of radiator guard) (§) (2)
70	338 064 R1	GROMMET (mounted on radiator guard top rear stiffener) (§) (2)
71	112 745	GROMMET (mounted on RH seat side sheet)
72	604 388 C91	CLIP, cable (mounted on RH bottom bolt of clutch inspection cover)
73	264 164 R91	CLIP, cable (mounted on LH bottom bolt of clutch inspection cover)
74	264 164 R91	CLIP, cable (mounted on RH top bolt of clutch inspection cover)
75	263 716 R91	CLIP, cable (mounted on inner bolt of pressure tubes clamp) (on dash)
76		CLIP, cable (welded on dash) (2)
77		CLIP, cable (welded on LH side of dash) (2)
78	604 388 C91	CLIP, cable (mounted on LH top bolt of clutch housing)
79	362 120 R1	CLIP, cable (mounted on RH bottom, center and top mounting bolts of fan shroud) (§) (§) (3)
604 891 C91		ATTACHMENT, electric lighting (see NOTES 1 and 2) (Composed of -
	1	BLOCK 42 915 D
	3	BRACKET 331 145 R91
	1	CABLE 358 111 R92
	1	CABLE 358 118 R91
	1	CABLE 62 862 D
	1	CABLE 358 581 R91
	1	CABLE 604 892 C91
	1	CABLE 604 893 C91
	3	CLIP 263 514 R91
	1	CLIP 264 164 R91
	6	CLIP 362 120 R1
	1	CLIP 366 460 R1
	1	FUSE 120 151
	1	GROMMET 109 390
	2	GROMMET 59 995 R1
	2	GROMMET 338 064 R1
	2	GROMMET 338 065 R1
	1	HOUSING 376 852 R91
	1	KNOB 606 299 C91
	§ 2	LIGHT, panel
	3	LIGHT 327 189 R91
	2	SPACER 354 260 R1
	1	SWITCH 606 298 C91
	3	WASHER 330 717 R1
	3	WASHER 330 718 R1)

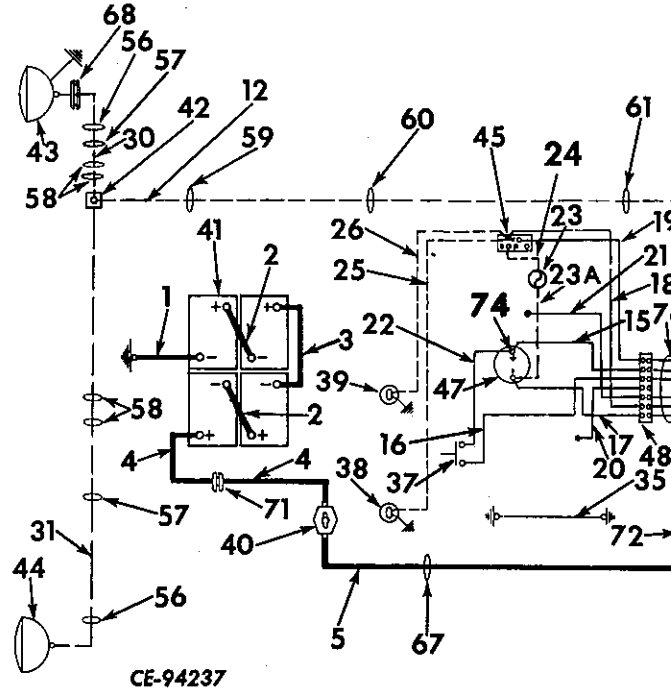
ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 22001 to 23039 TD-15BGF 22001 to 23039 TD-15BGS 22001 to 23039		
193 093		BULB (24 volt) (Part of PACKAGE, 603 467 C91)
142 450		BULB (12 volt) (Part of PACKAGE, 603 467 C91)
120 151		FUSE, lighting switch (15 amp) (§)
273 406 R1		GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)
334 759 R91		HARNESS, instrument panel (consists of reference nos. 15, 17, 18, 19, 20 and 21)
334 760 R91		HARNESS, cranking motor (consists of reference nos. 6 and 7)
334 761 R91		HARNESS, regulator to generator (consists of reference nos. 9, 10, 11, and 14)
604 872 C91		INSULATOR (on negative terminal of ammeter) (on tractors w/o lighting)
603 467 C91		PACKAGE, panel light field service less BULBS (Consists of DASH LIGHT, GROMMET, 273 406 R1, and WASHER, 273 405 R1) (2)
273 405 R1		WASHER, panel light (part of PACKAGE, 603 467 C91) (2)
(#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C91. (§) - Not Furnished Separately. (§) - Part of Electric Lighting ATTACHMENT, 604 891 C91. NOTE 1 - Factory Application - Order on Machine Order Form. NOTE 2 - Field Application - Order Through Regular Service Parts Channels.		

ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Crawler Tractors)
TD-15BG 23040 to 25230
TD-15BGF 23040 to 25230
TD-15BGS 23040 to 25230

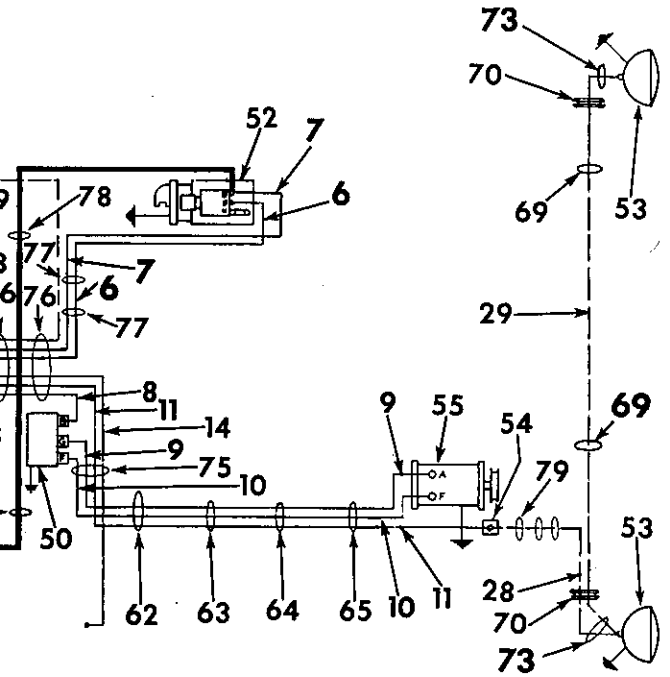


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ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Manual Shift Crawler Tractors)
TD-15BG 23040 to 25230
TD-15BGF 23040 to 25230
TD-15BGS 23040 to 25230



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (Order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (Order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator (pink)
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (Order HARNESS, 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (Order HARNESS, 334 761 R91)
11		CABLE, terminal block to headlight junction block (green) (Order HARNESS, 334 761 R91)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
12	358 581 R91	CABLE, terminal block to rear junction block (white) (†)
12	62 862 D	CABLE, terminal block to rear junction block (\$)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (Order HARNESS, 334 759 R91)
16	337 594 R91	CABLE, terminal block to starting switch
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (Order HARNESS, 334 759 R91)
18		CABLE, terminal block to light switch (headlight) (green) (Order HARNESS, 334 759 R91)
19		CABLE, terminal block to light switch (rear light) (white) (Order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus terminal on hourmeter (yellow) (Order HARNESS, 334 759 R91)
22	363 841 R91	CABLE, plus (+) terminal on ammeter to starting switch
23	376 852 R91	HOUSING, fuse (‡)
23A	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (‡) (†) - Part of Electric Lighting ATTACHMENT, 604 891 C91. (\$)- Part of Electrical Lighting ATTACHMENT, 624 361 C91.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 23040 to 25230 TD-15BGF 23040 to 25230 TD-15BGS 23040 to 25230		
24	604 893 C91	CABLE, fuse housing to light switch (†)
25	327 117 R91	CABLE, lighting switch to RH instrument panel light (w/LAMPS) (†)
26	327 117 R91	CABLE, lighting switch to LH instrument panel light (w/LAMPS) (†)
28	358 111 R92	CABLE, junction block to RH headlight (†) (*)
29	358 118 R91	CABLE, LH to RH headlight (†)
29	358 111 R92	CABLE, LH to RH headlight (*) (\$)
30	62 862 D	CABLE, junction block to rear light (48" long) (†) (*)
31	358 566 R91	CABLE, supplement rear light RH to rear junction block (#)
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10NF NUT (2) No. 10 NF x 3/4" pan-hd sltd mach SCREW No. 10 lock WASHER No. 10 int-ext tooth lock WASHER (2)
37		SWITCH, starting (for components see list of parts under details of "Starting Switch")
38		LIGHT, RH panel (Order PACKAGE, 603 467 C91) (†)
39		LIGHT, LH panel (Order PACKAGE, 603 467 C91) (†)
40		SWITCH, master (for components see list of parts under details of "Master Switch")
41		BATTERY (6 volt) (Prestolite 1258X)
42	42 915 D 103 088 132 923 106 497 354 260 R1	BLOCK, rear light junction (on LH side sheet) (†) No. 10NF NUT No. 10NF x 1" pan-hd sltd mach SCREW No. 10 lock WASHER SPACER, junction block
43	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†)
43	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†)
44	338 814 R91	LIGHT ASSY, auxiliary RH rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
44	327 189 R91	LIGHT ASSY, auxiliary RH rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
45	606 298 C91 606 299 C91 103 322	SWITCH, lighting (†) KNOB, lighting switch 7/16" lock WASHER

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 23040 to 25230 TD-15BGF 23040 to 25230 TD-15BGS 23040 to 25230		
47		AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
48	324 788 R91 103 092 100 750 100 754 106 496 115 544	BLOCK, feed thru terminal No. 8 NUT No. 8 x 3/8" pan-hd-sltd mach SCREW (3) No. 8 x 7/8" pan-hd-sltd mach SCREW No. 8 lock WASHER (4) No. 8 int-tooth lock WASHER
50		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
52		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
53	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†) (\$) (‡)
53	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†) (\$) (‡)
54	42 915 D 103 088 132 923 106 497 354 260 R1	BLOCK, RH front headlight junction (mounted on fan shroud) (†) No. 10NF NUT No. 10NF x 1" pan-hd-sltd-mach SCREW No. 10 lock WASHER SPACER, junction block
55		GENERATOR (for components see list of parts under details of "Generator")
56	263 514 R91	CLIP, cable (mounted on light bracket bolt) (†) (#) (\$) (‡)
56	263 717 R91	CLIP, cable (mounted on light bracket bolt) (*) (‡)
57	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (†) (#) (‡)
58	362 120 R1	CLIP, cable (mounted on top and bottom bolts of LH seat side sheet) (†) (#) (‡)
59	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (†)
60	263 717 R91	CLIP, cable (mounted on LH rear bolt of seat frame support cross bar)
61	362 120 R1 179 837 103 321	CLIP, cable (mounted on top front LH fender bolt) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
62	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
63	362 120 R1	CLIP, cable (mounted on front bolt of oil filler neck flange)
		(†) - Part of Electric Lighting ATTACHMENT, 604 891 C91. (#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C92. (*) - Part of Electrical Lighting ATTACHMENT, 624 363 C91. (\$)- Part of Electrical Lighting ATTACHMENT, 624 361 C91.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING (For Manual Shift Crawler Tractors) TD-15BG 23040 to 25230 TD-15BGF 23040 to 25230 TD-15BGS 23040 to 25230		
64	362 120 R1 103 341	CLIP, cable (mounted on bottom bolt of injection pump spacer) (†) 13/32 x 13/16 x 16 ga WASHER
65	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)
67	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
68	109 390	GROMMET (mounted on fuel tank support cover) (†)
69		CLIP (welded on radiator guard header plate) (†) (2)
70	338 064 R1	GROMMET (mounted on radiator guard top rear stiffener) (Part of Electric Lighting ATTACHMENTS, 337 555 R91 and 604 891 C91) (2)
70	338 065 R1	GROMMET (mounted on side of top header (Part of Electric Lighting ATTACHMENT, 604 891 C91, 624 361 C91, and 624 363 C91) (2)
71	112 745	GROMMET (mounted on RH seat side sheet)
72	604 388 C91	CLIP, cable (mounted on RH bottom bolt of clutch inspection cover)
73	263 717 R91	CLIP, cable (§)
74	604 872 C91	GROMMET, insulator (plus terminal of AMMETER) (mounted on RH top bolt of clutch inspection cover)
75	263 716 R91	CLIP, cable (mounted on inner bolt of pressure tubes clamp) (on dash)
76		CLIP, cable (welded on dash) (2)
77		CLIP, cable (welded on LH side of dash) (2)
78	604 388 C91	CLIP, cable (mounted on LH top bolt of clutch housing)
79	362 120 R1 604 891 C91	CLIP, cable (mounted on RH bottom, center and top mounting bolts of fan shroud) (*) (†) (3) ATTACHMENT, electric lighting (see NOTE 3)
		TD-15BG 23040 to 25000 TD-15BGF 23040 to 25230 TD-15BGS 23040 to 25230 (Composed of -
		1 BLOCK 42 915 D
		3 BRACKET 331 145 R91
		1 CABLE 358 111 R92
		1 CABLE 358 118 R91
		1 CABLE 62 862 D
		1 CABLE 358 581 R91
		1 CABLE 604 892 C91
		1 CABLE 604 893 C91
		3 CLIP 263 514 R91
		1 CLIP 264 164 R91
		6 CLIP 362 120 R1
		1 CLIP 366 460 R1
		1 FUSE 120 151
		1 GROMMET 109 390
		2 GROMMET 59 995 R1
		2 GROMMET 338 064 R1
		2 GROMMET 338 065 R1
		1 HOUSING 376 852 R91
		1 KNOB 606 299 C91
		§ 2 LIGHT, panel
		3 LIGHT 327 189 R91
		2 SPACER 354 260 R1
		1 SWITCH 606 298 C91
		3 WASHER 330 717 R1
		3 WASHER 330 718 R1)

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 23040 to 25230 TD-15BGF 23040 to 25230 TD-15BGS 23040 to 25230		
624 363 C91		ATTACHMENT, electric lighting (See NOTE 3) TD-15BG 25001 to 25230 TD-15BGS 25001 to 25230 (Consists of -
		1 CABLE 62 862 D
		2 CABLE 358 111 R92
		1 CLIP 263 514 R91
		2 CLIP 263 717 R91
		2 GROMMET 338 065 R1
		1 GUARD 330 714 R11
		2 GUARD 624 359 C1
		3 LIGHT 327 189 R91
		2 SWIVEL 303 706 R1)
624 361 C91		ATTACHMENT, electric lighting (see NOTE 3) TD-15BGF 25001 to 25230 (Consist of -
		1 CABLE 62 862 D
		2 CABLE 358 111 R92
		1 CLIP 263 514 R91
		2 CLIP 263 717 R91
		2 GROMMET 338 065 R1
		3 GUARD 330 714 R11
		3 LIGHT 327 189 R91)
331 145 R91		BRACKET, headlights rear light and RH auxiliary rear light (Part of Electric Lighting ATTACHMENT, 337 555 R91 and 604 891 C91; and Auxiliary RH Rear Light ATTACHMENT, 604 048 C92) (%)
142 450		BULB (12 volt) (Part of PACKAGE, 603 467 C91)
193 093		BULB (24 volt) (Part of PACKAGE, 603 467 C91)
120 151		FUSE, lighting switch (15 amp) (*) (†)
273 406 R1		GROMMET, panel light (Part of PACKAGE, 603 467 C91) (2)
624 359 C1		GUARD, headlight and RH auxiliary rear light brush (Part of Electric Lighting ATTACHMENT, 624 363 C91; and Auxiliary RH Rear Light ATTACHMENT, 604 048 C92) (%)
334 759 R91		HARNES, instrument panel (consists of reference nos. 15, 17, 18, 19, 20 and 21)
334 760 R91		HARNES, cranking motor (consists of reference nos. 6 and 7)
334 761 R91		HARNES, regulator to generator (consists of reference nos. 9, 10, 11, and 14)
603 467 C91		PACKAGE, panel light field service less BULBS) (Consists of DASH LIGHT, GROMMET, 273 406 R1, and WASHER, 273 405 R1) (2)
273 405 R1		WASHER, panel light (Part of PACKAGE, 603 467 C91) (2)
		(§) - Not Furnished Separately.
		(†) - Part of Electric Lighting ATTACHMENT, 604 891 C91.
		(%) - Also Listed and Illustrated with "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."
		(§) - Part of Electrical Lighting ATTACHMENT, 624 361 C91)
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

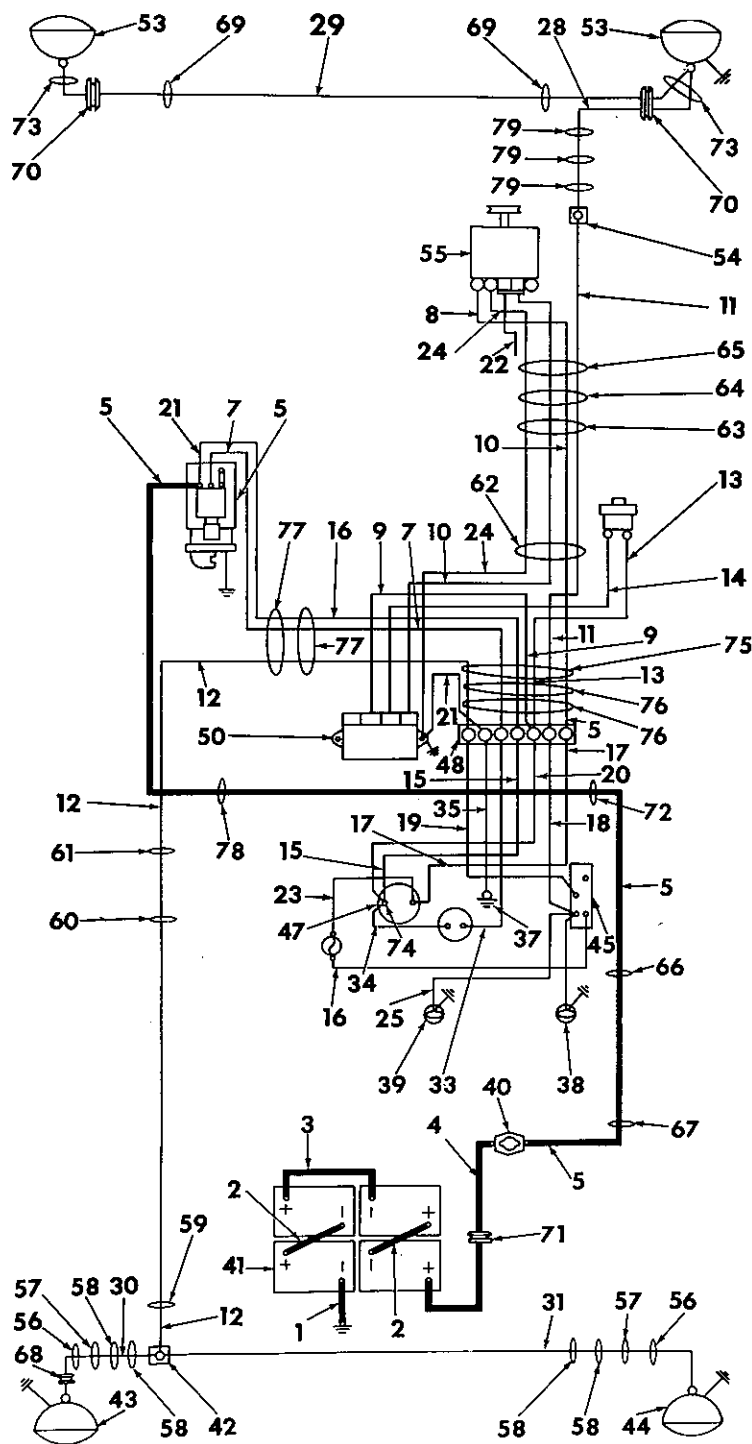
(DT-407)

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Crawler Tractors)
TD-15BG 25231 up, TD-15B(Custom)BGA 25001 up
TD-15BGF 25231 up, TD-15BGS 25231 up

ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Manual Shift Crawler Tractors)
TD-15BG 25231 up, TD-15B(Custom)BGA 25001 up
TD-15BGF 25231 up, TD-15BGS 25231 up



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ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 25231 up TD-15B(Custom)BGA 25001 up TD-15BGF 25231 up TD-15BGS 25231 up		
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red)(Order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (white) (Order HARNESS, 334 760 R91)
8		CABLE, terminal block to "B" terminal on Alternator (brown) (Order HARNESS 624 383 C1)
9		CABLE, "A" terminal on Alternator to No. 3 terminal on regulator (orange) (Order HARNESS 624 383 C1)
10		CABLE, "F" terminal on regulator to No. 2 terminal on alternator (green) (Order HARNESS 624 383 C1)
11		CABLE, terminal block to headlight junction block (green) (Order HARNESS, 624 383 C1)
12	62 862 D	CABLE, terminal block to rear junction block (white) (*) (‡)
13		CABLE, terminal strip to engine oil pressure switch (yellow) (Order HARNESS, 624 383 C1)
14		CABLE, No. 2 terminal on regulator to engine oil pressure switch (Order HARNESS, 624 383 C1)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (Order HARNESS, 624 382 C1)
16		CABLE, fuse housing to "B" terminal on light switch (orange) (Order HARNESS, 624 382 C1)
17		CABLE, terminal block to minus (-) terminal on ammeter (brown) (Order HARNESS, 624 382 C1)
18		CABLE, terminal strip to "H" terminal on light switch (headlight) (green) (Order HARNESS, 624 382 C1)
19		CABLE, terminal strip to "R" terminal on light switch (rear light) (blue) (Order HARNESS, 624 382 C1)
20		CABLE, terminal strip to positive terminal on ammeter (yellow) (Order HARNESS, 624 382 C1)
21		CABLE, terminal strip to regulator L. H. mounting bolt (Order HARNESS 624 383 C1)
22	363 841 R91	CABLE, No. 1 terminal on alternator to dummy cable
23	376 852 R91	HOUSING, fuse
23A	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 25231 up TD-15B(Custom)BGA 25001 up TD-15BGF 25231 up TD-15BGS 25231 up		
24		CABLE, "G" terminal on alternator to mounting bolt on Regulator (Order HARNESS, 624 383 C1)
25	327 117 R91	CABLE, lighting switch to RH instrument panel light (w/LAMPS)
26	327 117 R91	CABLE, lighting switch to LH instrument panel light (w/LAMPS)
28	358 111 R92	CABLE, junction block to RH headlight (‡)(*)
29	358 111 R92	CABLE, LH to RH headlight (*) (‡)
30	62 862 D	CABLE, junction block to rear light (48" long) (*)
31	358 566 R91	CABLE, supplement rear light RH to rear junction block (#)
33	337 594 R91	CABLE, start switch to terminal strip
34	52 030 DA	CABLE, start switch to positive terminal on ammeter
35		CABLE, instrument panel grounding (Order HARNESS 624 382 C1) No. 10NF NUT (2) No. 10NF x 3/4" pan-hd sltd mach SCREW No. 10 lock WASHER No. 10 int-ext tooth lock WASHER (2)
37		SWITCH, starting (for components see list of parts under details of "Starting Switch")
38		LIGHT, RH panel (Order PACKAGE, 603 467 C91)
39		LIGHT, LH panel (Order PACKAGE, 603 467 C91)
40		SWITCH, master (for components see list of parts under details of "Master Switch")
41		BATTERY (6 volt) (Prestolite 1258X) (4)
42	42 915 D	BLOCK, rear light junction (on LH side sheet) No. 10NF NUT No. 10NF x 1" pan-hd sltd mach SCREW No. 10 lock WASHER SPACER, junction block
43	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (‡)
43	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (‡)
44	338 814 R91	LIGHT ASSY, auxiliary RH rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
		(‡) - Also Part of Electric Lighting ATTACHMENT, 624 361 C91.
		(#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C92.
		(*) - Part of Electrical Lighting ATTACHMENT, 624 363 C91.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
		TD-15BG 25231 up
		TD-15B(Custom)BGA 25001 up
		TD-15BGF 25231 up
		TD-15BGS 25231 up
44	327 189 R91	LIGHT ASSY, auxiliary RH rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
45	606 298 C91 606 299 C91 103 322	SWITCH, lighting KNOB, lighting switch 7/16" lock WASHER
47		AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
48	324 788 R91 103 092 100 750 100 754 106 496 115 544	BLOCK, feed thru terminal No. 8 NUT No. 8 x 3/8" pan-hd-sltd mach SCREW (3) No. 8 x 7/8" pan-hd-sltd mach SCREW No. 8 lock WASHER (4) No. 8 int-tooth lock WASHER
50		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
52		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
53	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (‡) (2)
53	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (‡) (2)
54	42 915 D 103 088 132 923 106 497 354 260 R1	BLOCK, RH front headlight junction (mounted on fan shroud) No. 10NF NUT No. 10NF x 1" pan-hd-sltd-mach SCREW No. 10 lock WASHER SPACER, junction block
55		ALTERNATOR (for components see list of parts under details of "Alternator")
56	263 514 R91	CLIP, cable (mounted on light bracket bolt) (‡) (#) (2)
56	263 717 R91	CLIP, cable (mounted on light bracket bolt) (*) (2)
57	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (#) (2)
58	362 120 R1	CLIP, cable (mounted on top and bottom bolts of LH seat side sheet) (#) (4)
59	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame)
60	263 717 R91	CLIP, cable (mounted on LH rear bolt of seat frame support cross bar)
61	362 120 R1 179 837 103 321	CLIP, cable (mounted on top front LH fender bolt) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
62	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
63	362 121 R1	CLIP, cable (mounted on rear bolt of injection line clamp)

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Manual Shift Crawler Tractors)		
		TD-15BG 25231 up
		TD-15B(Custom)BGA 25001 up
		TD-15BGF 25231 up
		TD-15BGS 25231 up
64	362 120 R1 103 341	CLIP, cable (mounted on rear of forward mounting bolt 13/32 x 13/16 x 16 ga WASHER
65	362 120 R1	CLIP, cable (mounted on bottom bolt of alternator bracket)
66	616 282 C1	CLIP, on bottom bolt of break pedal bracket
67	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
68	109 390	GROMMET (mounted on fuel tank support cover)
69		CLIP (welded on radiator guard header plate) (2)
70	338 064 R1	GROMMET (mounted on radiator guard rear stiffener) (Part of Electric Lighting ATTACHMENTS, 337 555 R91 and 604 891 C91) (2)
70	338 065 R1	GROMMET (mounted on side of top header (Part of Electric Lighting ATTACHMENTS, 624 361 C91 and 624 363 C91) (2)
71	112 745	GROMMET (mounted on RH seat side sheet)
72	604 388 C91	CLIP, cable (mounted on RH bottom bolt of center platform support)
73	263 717 R91	CLIP, cable (‡) (2)
74	604 872 R91	GROMMET, insulator (plus terminal of AMMETER) (mounted on RH top bolt of clutch inspection cover)
75	263 716 R91	CLIP, cable (mounted on inner bolt of pressure tubes clamp) (on dash)
76		CLIP, cable (welded on dash) (2)
77		CLIP, cable (welded on LH side of dash) (2)
78	604 388 C91	CLIP, cable (mounted on LH top bolt of clutch housing)
79	362 120 R1	CLIP, cable (mounted on RH bottom, center and top mounting bolts of fan shroud) (*) (3)

(‡) - Also Part of Electric Lighting ATTACHMENT, 624 361 C91.

(#) - Part of Auxiliary RH Rear Light ATTACHMENT, 604 048 C92.

(*) - Part of Electrical Lighting ATTACHMENT, 624 363 C91.

NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED

(For Manual Shift Crawler Tractors)

TD-15BG 25231 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 25231 up
 TD-15BGS 25231 up

624 363 C91	ATTACHMENT, electric lighting (not for Backfiller crawler tractors) (not for crawler tractors equipped w/front sweep) (see NOTES 1 and 3) (Consists of -	
	1 CABLE	62 862 D -
	2 CABLE	358 111 R92
	1 CLIP	263 514 R91
	2 CLIP	263 717 R91
	2 GROMMET	338 065 R1
	1 GUARD	330 714 R11
	2 GUARD	624 359 C1
	3 LIGHT	327 189 R91
	2 SWIVEL	303 706 R1)
624 361 C91	ATTACHMENT, electric lighting (for Backfiller crawler tractor) (see NOTES 1 and 3) (Consists of -	
	1 CABLE	62 862 D
	2 CABLE	358 111 R92
	1 CLIP	263 514 R91
	2 CLIP	263 717 R91
	2 GROMMET	338 065 R1
	3 GUARD	330 714 R11
	3 LIGHT	327 189 R91)

BRACKET, headlights rear light and RH auxiliary rear light (Part of Electric Lighting ATTACHMENT, 337 555 R91 and 604 891 C91; and Auxiliary RH Rear Light ATTACHMENT, 604 048 C92) (%)

142 450	BULB (12 volt) (Part of PACKAGE, 603 467 C91)
193 093	BULB (24 volt) (Part of PACKAGE, 603 467 C91)
120 151	FUSE, lighting switch (15 amp) (*)
273 406 R1	GROMMET, panel light (Part of PACKAGE, 603 467 C91) (2)
624 359 C1	GUARD, headlight and RH auxiliary rear light brush (Part of Electric Lighting ATTACHMENT, 624 363 C91; and Auxiliary RH Rear Light ATTACHMENT, 604 048 C92) (%)
624 382 C1	HARNESS, instrument panel (consists of reference nos. 15, 16, 17, 18, 19, 20 and 35)
334 760 R91	HARNESS, cranking motor (consists of reference nos. 6 and 7)
624 383 C1	HARNESS, regulator to alternator (consists of reference nos. 8, 9, 10, 11, 13, 14, 21, 22 and 24)
603 467 C91	PACKAGE, panel light field service less BULBS (Consists of DASH LIGHT, GROMMET, 273 406 R1, and WASHER, 273 405 R1) (2)
273 405 R1	WASHER, panel light (Part of PACKAGE, 603 467 C91) (2)

(*) - Part of Electrical Lighting ATTACHMENT, 624 363 C91.
 (§) - Not Furnished Separately.
 (%) - Also Listed and Illustrated with "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."

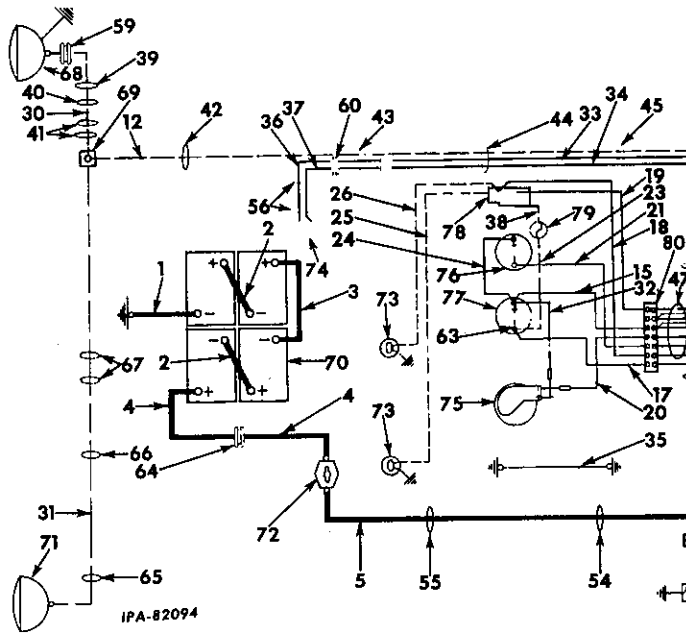
NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM

(DT-407)

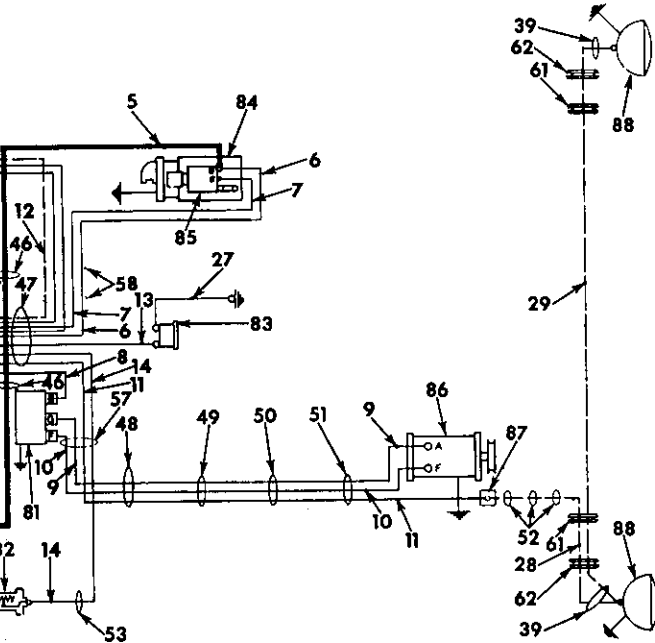
ELECTRIC STARTING AND LIGHTING
(For Power Shift Crawler Tractors)
TD-15BP 22001 to 23043
TD-15BPS 22001 to 23043



ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 22001 to 23043
TD-15BPS 22001 to 23043



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	302 754 R91	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) terminal on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (order HARNESS, 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (order HARNESS, 334 761 R91)
11		CABLE, terminal block to front lights junction block (green) (order HARNESS, 334 761 R91)
12	358 581 R91	CABLE, terminal block to rear junction block (*)
13	341 873 R91	CABLE, feed thru connector to hourmeter pressure switch (yellow)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
14		CABLE, terminal block to torque converter oil temperature gauge sending unit (orange) (order HARNESS, 334 761 R91)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (order HARNESS, 334 759 R91)
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (order HARNESS, 334 759 R91)
18		CABLE, terminal block to front light switch (green) (order HARNESS, 334 759 R91)
19		CABLE, terminal block to rear light switch (white) (order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus (-) terminal on hourmeter (yellow) (order HARNESS, 334 759 R91)
21		CABLE, terminal block to torque converter oil temperature gauge (orange) (order HARNESS, 334 759 R91)
23	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (*)
24	611 487 C91	CABLE, plus (+) terminal on ammeter to torque converter oil temperature gauge (used with GAUGE, 610 720 C91)
24	604 872 C91	INSULATOR, plus (+) terminal on ammeter (used with GAUGE 702 772 C1)
25		CABLE, light switch to RH instrument panel light (part of panel light)

(*) - Part of Electric Lighting ATTACHMENT, 604 891 C91.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22001 to 23043 TD-15BPS 22001 to 23043		
26		CABLE, light switch to LH instrument panel light (part of panel light)
27	341 874 R91 178 540	CABLE, hourmeter pressure switch to ground 5/16" internal-external toothlock WASHER
28	358 111 R92	CABLE, front light junction block to RH front light (*)
29	358 118 R91	CABLE, LH to RH front light (*)
30	62 862 D	CABLE, rear light junction block to rear light (*)
31	358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)
32	267 811 R91	CABLE, plus (+) terminal on ammeter to plus (+) terminal on hourmeter
33		CABLE, terminal block to starting switch connector (red) (order HARNESS, 338 056 R91)
34		CABLE, terminal block to starting switch connector (violet) (order HARNESS, 338 056 R91)
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10 NUT (2) No. 10NF x 3/4" pan-hd-slted mach SCREW No. 10 lock WASHER No. 10 internal-external tooth lock WASHER (2)
36		CABLE, starting switch to connector (red) (order HARNESS, 338 057 R91)
37		CABLE, starting switch to connector (violet) (order HARNESS, 338 057 R91)
38	604 893 C91	CABLE, fuse housing to light switch (*)
39	263 514 R91	CLIP, cable (mounted on rear inner bolt of light bracket) (*) (3)
40	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (*)
41	362 120 R1	CLIP, cable (mounted on top and bottom bolt of LH seat side sheet) (*) (2)
42	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (*)
43	263 717 R91	CLIP, cable (for starting switch upper cable harness) (mounted on LH rear bolt of seat frame support cross bar)
44	263 717 R91	CLIP, cable (for starting switch lower cable harness) (mounted on bolt securing torque converter pipe clamp)
45	362 120 R1	CLIP, cable (for starting switch lower cable harness) (mounted on clutch oil pressure tube clamp bolt on LH fender)
46	604 388 C91	CLIP, cable (mounted on LH and RH upper bolts of torque converter housing) (2)
47		CLIP, cable (welded on dash) (2)
48	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
49	362 120 R1	CLIP, cable (mounted on front bolt of oil filler neck flange)
50	366 460 R1 103 341	CLIP, cable (for front light cable) (mounted on bottom stud of injection pump spacer) (*) 13/32 x 13/16" x 16 ga WASHER
51	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22001 to 23043 TD-15BPS 22001 to 23043		
52	362 120 R1	CLIP, cable (for RH front light cable) (mounted on RH bottom, center and top fan shroud mounting bolts) (*) (3)
53	366 460 R1	CLIP, cable (for torque converter oil temperature sending unit cable) (mounted on second bolt from top RH of torque converter housing)
54	616 282 C1	CLIP, cable (mounted on lower bolt of brake pedal bracket)
55	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
56		CLIP, cable (welded on inside power shift gear selector box) (2)
57	263 716 R91	CLIP, cable (for regulator, generator and cranking motor cable harness) (mounted on inner bolt of pressure tube clamp on dash)
58		CLIP, cable (welded on LH side of dash) (2)
59	109 390	GROMMET, cable (for rear light cable) (mounted on fuel tank support cover) (*)
60	341 859 R1	GROMMET, cable (for starting safety switch harness) (mounted on LH side of front frame)
61	338 064 R1	GROMMET, cable (for front light cable) (mounted on radiator guard top rear stiffener) (*) (2)
62	59 995 R1	GROMMET, cable (for front light cable) (mounted on top of radiator guard) (*) (2)
63	604 872 C91	GROMMET, cable (used for insulator) (mounted on minus (-) terminal of ammeter on tractors not equipped with electric lighting)
64	112 745	GROMMET, cable (mounted on RH seat side sheet)
65	263 514 R91	CLIP, cable (mounted on front inner bolt of rear light bracket) (#)
66	362 120 R1	CLIP, cable (mounted on top inner bolt on RH of front of fuel tank) (#)
67	362 120 R1	CLIP, cable (mounted on top and bottom bolts of rear RH seat side sheets) (#) (2)
68	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*)
68	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*)
69	42 915 D 103 088 436 590 354 260 R1 106 497	BLOCK, rear light junction (mounted on LH seat side sheet) (*) No. 10 NUT No. 10NF x 1" rd-hd-slted mach SCREW SPACER, junction block No. 10 lock WASHER
70		BATTERY (6 volt) (Prestolite 1258X) (4)
71	338 814 R91	LIGHT ASSY, RH auxiliary rear flood (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
		(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C91. (*) - Part of Electric Lighting ATTACHMENT, 604 891 C91.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED

(For Power Shift Crawler Tractors)

TD-15BP 22001 to 23043
TD-15BPS 22001 to 23043

71	327 189 R91	LIGHT ASSY, RH auxiliary rear flood (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
72		SWITCH ASSY, master (for components see list of parts under details of "Master Switch")
	109 084	1/4" NUT
	179 795	1/4 x 3/4" hex-hd cap SCREW
	103 319	1/4" lock WASHER
73		LIGHT, panel (order PACKAGE, 603 467 C91) (*) (2)
74	700 395 C91	SWITCH w/PAMPHLET, 1 085 291 R1 starting safety
	115 553	5/8" internal tooth lock WASHER
75	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
76	702 772 C91	GAUGE, torque converter oil temperature (also listed and illustrated with "Instruments and Panel") (Together with INSULATOR, 604 872 C91 and TEE, 218 251 will work for GAUGE, 610 720 C91)
77	269 467 R92	AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
78	606 298 C91	SWITCH, lighting (Cole-Hersee No. 72054) (*)
	606 299 C91	KNOB, lighting switch
	115 550	7/16" internal tooth lock WASHER
79	376 852 R91	HOUSING, fuse (*)
80	324 788 R91	BLOCK, feed thru terminal
	103 092	No. 8 NUT
	100 750	No. 8 x 3/8" rd-hd-slt mach SCREW (3)
	100 754	No. 8 x 7/8" rd-hd-slt mach SCREW
	106 496	No. 8 lock WASHER (4)
	115 544	No. 8 internal tooth lock WASHER
81		REGULATOR ASSY, voltage and current (24 volt) (for components see list of parts under details of "Voltage Regulator")
		1/4 x 1-1/8" hex-hd cap SCREW (4)
		1/4" lock WASHER (4)
82	610 721 C91	UNIT, torque converter oil temp (used with GAUGE, 610 720 C91)
82	336 126 R91	UNIT, torque converter oil temperature gauge sending (used with GAUGE, 336 125 R92)
83	132 244 R91	SWITCH, hourmeter pressure
84		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
85		SWITCH, solenoid (part of cranking MOTOR)
86		GENERATOR ASSY (for components see list of parts under details of "Generator")
87	42 915 D	BLOCK, front light junction (*)
	110 633	No. 10 NUT
	132 923	No. 10 x 1" rd-hd-slt mach SCREW
	354 260 R1	SPACER, junction block
	106 497	No. 10 lock WASHER
88	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)
88	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED

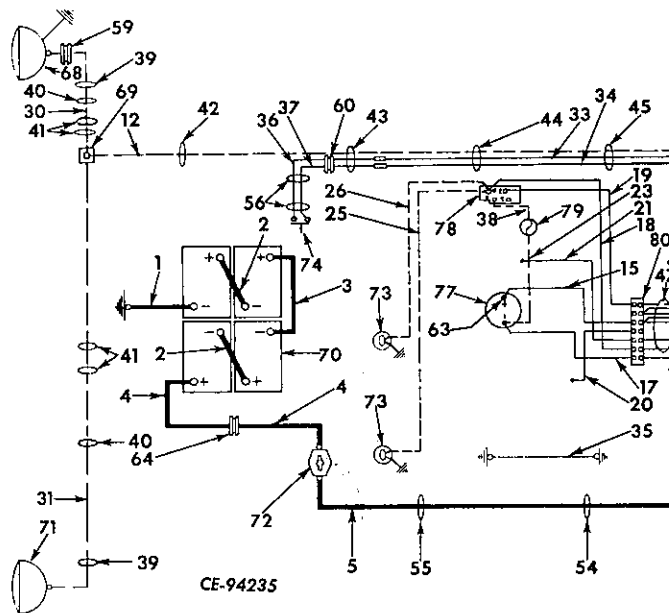
(For Power Shift Crawler Tractors)

TD-15BP 22001 to 23043
TD-15BPS 22001 to 23043

604 891 C91	ATTACHMENT, electric lighting (see NOTES 1 and 3)
	(Composed of -
1	BLOCK 42 915 D
3	BRACKET 331 145 R91
1	CABLE 358 111 R92
1	CABLE 358 118 R91
1	CABLE 62 862 D
1	CABLE 358 581 R91
1	CABLE 604 892 C91
1	CABLE 604 893 C91
3	CLIP 263 514 R91
1	CLIP 264 164 R91
6	CLIP 362 120 R1
1	CLIP 366 460 R1
1	FUSE 120 151
1	GROMMET 109 390
2	GROMMET 59 995 R1
2	GROMMET 338 064 R1
2	GROMMET 338 065 R1
1	HOUSING 376 852 R91
1	KNOB 606 299 C91
§ 2	LIGHT, panel
3	LIGHT 327 189 R91
2	SPACER 354 260 R1
1	SWITCH 606 298 C91
3	WASHER 330 717 R1
3	WASHER 330 718 R1)
331 145 R91	BRACKET, headlights, rear light and RH auxiliary rear light (#) (*) (%) (4)
179 857	7/16 x 7/8" hex-hd cap SCREW (16)
103 322	7/16" lock WASHER (16)
142 450	BULB (12 volt)
193 093	BULB (24 volt)
104 937	CORK (No. 1) (Not used with Electric Lighting Attachment)
104 938	CORK (No. 2) (Not used with Electric Lighting Attachment)
104 942	CORK (No. 6) (Not used with Electric Lighting Attachment)
120 151	FUSE, lighting switch (15 amp) (*)
273 406 R1	GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)
334 759 R91	HARNES, instrument panel (consists of reference Nos. 15, 17, 18, 19, 20 and 21)
334 760 R91	HARNES, cranking motor (consists of reference Nos. 6 and 7)
334 761 R91	HARNES, regulator to generator (consists of reference Nos. 9, 10, 11 and 14)
338 056 R91	HARNES, starting safety switch (consists of reference Nos. 33 and 34)
338 057 R91	HARNES, starting safety switch (consists of reference Nos. 36 and 37)
603 467 C91	PACKAGE, panel light field service (Less BULBS) (consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)
273 405 R1	WASHER, panel light (part of PACKAGE, 603 467 C91) (2)
	NOTE 1 - Factory Application - Order On Machine Order Form.
	NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
	(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C91.
	(%) - Also Listed and Illustrated with "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."
	(*) - Part of Electric Lighting ATTACHMENT, 604 891 C91.
	§ - Not Furnished Separately.

ELECTRICAL SYSTEM
(DT-407)

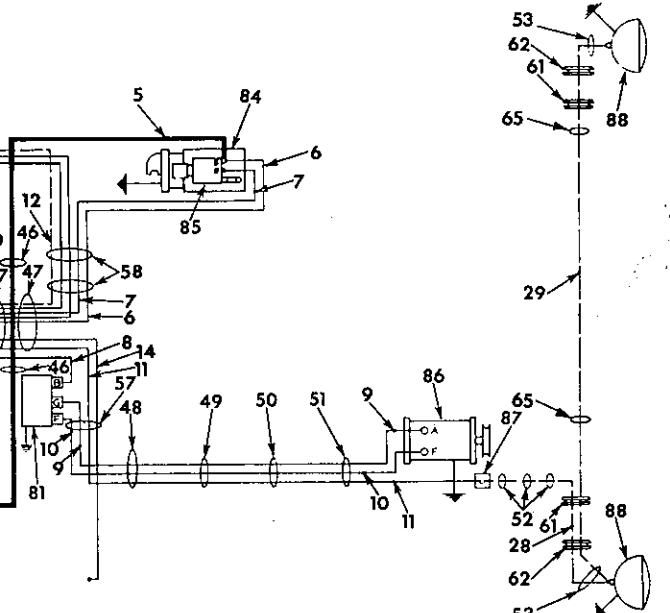
ELECTRIC STARTING AND LIGHTING
(For Power Shift Crawler Tractors)
TD-15BP 23044 to 25230
TD-15BPS 23044 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) terminal on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (Order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (Order HARNESS, 334 760 R91)
8	358 584 R91	CABLE, terminal block to "B" terminal on regulator
9		CABLE, "A" terminal on generator to "G" terminal on regulator (brown) (Order HARNESS, 334 761 R91)
10		CABLE, "F" terminal on generator to "F" terminal on regulator (blue) (Order HARNESS, 334 761 R91)
11		CABLE, terminal block to front lights junction block (green) (Order HARNESS, 334 761 R91)
12	358 581 R91	CABLE, terminal block to rear junction block (*)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (Order HARNESS, 334 759 R91)

ELECTRICAL SYSTEM
(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 23044 to 25230
TD-15BPS 23044 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
17		CABLE, terminal block to minus (-) terminal on ammeter (pink) (Order HARNESS, 334 759 R91)
18		CABLE, terminal block to front light switch (green) (Order HARNESS, 334 759 R91)
19		CABLE, terminal block to rear light switch (white) (Order HARNESS, 334 759 R91)
20		CABLE, terminal block to minus (-) terminal on hourmeter (yellow) (Order HARNESS, 334 759 R91)
23	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing (*)
25	332 117 R91	CABLE, light switch to RH instrument panel light (w/Lamps)
26	332 117 R91	CABLE, light switch to LH instrument panel light (w/Lamps)
28	358 111 R92	CABLE, front light junction block to RH front light (*) (‡)
29	358 118 R91	CABLE, LH to RH front light (*)
29	358 111 R92	CABLE, LH to RH front light (‡)
30	62 862 D	CABLE, rear light junction block to rear light (*) (‡)
31	358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)

(*) - Also Part of Electric Lighting ATTACHMENT, 604 891 C91.
(‡) - Part of Electric Lighting ATTACHMENT, 624 363 C91.
(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 23044 to 25230 TD-15BPS 23044 up		
33		CABLE, terminal block to starting switch connector (red) (Order HARNESS, 338 056 R91)
34		CABLE, terminal block to starting switch connector (violet) (Order HARNESS, 338 056 R91)
35	341 935 R91 103 088 436 590 106 497 173 122	CABLE, instrument panel grounding No. 10 NUT (2) No. 10NF x 3/4" pan-hd-sltd mach SCREW No. 10 lock WASHER No. 10 internal-external tooth lock WASHER (2)
36		CABLE, starting switch to connector (red) (Order HARNESS, 338 057 R91)
37		CABLE, starting switch to connector (violet) (Order HARNESS, 338 057 R91)
38	604 893 C91	CABLE, fuse housing to light switch (*)
39	263 514 R91	CLIP, cable (mounted on rear inner bolt of light bracket) (*) (2)
39	263 717 R91	CLIP, cable (mounted on light swivel bolt) (†) (2)
40	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (*) (2)
41	362 120 R1	CLIP, cable (mounted on top and bottom bolt of LH seat side sheet) (*) (4)
42	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame) (*)
43	263 717 R91	CLIP, cable (for starting switch upper cable harness) (mounted on LH rear bolt of seat frame support cross bar)
44	263 717 R91	CLIP, cable (for starting switch lower cable harness) (mounted on bolt securing torque converter pipe clamp)
45	362 120 R1	CLIP, cable (for starting switch lower cable harness) (mounted on clutch oil pressure tube clamp bolt on LH fender)
46	604 388 C91	CLIP, cable (mounted on LH and RH upper bolts of torque converter housing) (2)
47		CLIP, cable (welded on dash) (2)
48	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
49	362 120 R1	CLIP, cable (mounted on front bolt of oil filler neck flange)
50	366 460 R1	CLIP, cable (for front light cable) (mounted on bottom stud of injection pump spacer) (*) 13/32 x 13/16" x 16 ga WASHER
51	362 120 R1	CLIP, cable (mounted on bottom bolt of generator bracket)
52	362 120 R1	CLIP, cable (for RH front light cable) (mounted on RH bottom, center and top fan shroud mounting bolts) (*) (3)
53	263 717 R91	CLIP, cable
54	616 282 C1	CLIP, cable (mounted on lower bolt of brake pedal bracket)
55	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 23044 to 25230 TD-15BPS 23044 up		
56		CLIP, cable (welded on inside power shift gear selector box) (2)
57	263 716 R91	CLIP, cable (for regulator, generator and cranking motor cable harness) (mounted on inner bolt of pressure tube clamp on dash)
58		CLIP, cable (welded on LH side of dash) (2)
59	109 390	GROMMET, cable (for rear light cable) (mounted on fuel tank support cover) (*)
60	341 859 R1	GROMMET, cable (for starting safety switch harness) (mounted on LH side of front frame)
61	338 064 R1	GROMMET, cable (for front light cable) (mounted on radiator guard top rear stiffener) (*) (2)
62	338 065 R1	GROMMET, cable (for front light cable) (mounted on top header) (†)
63	604 872 C91	GROMMET, cable (used for insulator) (mounted on positive (+) terminal of ammeter on tractors not equipped with electric lighting)
64	112 745	GROMMET, cable (mounted on RH seat side sheet)
65		CLIP, cable (welded on radiator guard header)
68	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†)
68	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (†)
69	42 915 D 103 088 132 923 354 260 R1 106 497	BLOCK, rear light junction (mounted on LH seat side sheet) (*) No. 10 NUT No. 10 x 1" rd-hd-sltd mach SCREW SPACER, junction block No. 10 lock WASHER
70		BATTERY (6 volt) (Prestolite 1258X) (4)
71	338 814 R91	LIGHT ASSY, RH auxiliary rear flood (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
71	327 189 R91	LIGHT ASSY, RH auxiliary rear flood (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
72		SWITCH ASSY, master (for components see list of parts under details of "Master Switch") 1/4" NUT 1/4 x 3/4" hex-hd cap SCREW 1/4" lock WASHER
73		LIGHT, panel (Order PACKAGE, 603 467 C91) (*) (2)
74	700 395 C91	SWITCH w/PAMPHLET, 1 085 291 R1 starting safety 5/8" internal tooth lock WASHER (#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92. (*) - Also Part of Electric Lighting ATTACHMENT, 604 891 C91. (†) - Part of Electric Lighting ATTACHMENT, 624 363 C91.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 23044 to 25230 TD-15BPS 23044 up		
77	269 467 R92	AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
78	606 298 C91	SWITCH, lighting (Cole-Hersee No. 72054) (*)
	606 299 C91	KNOB, lighting switch
		7/16" internal tooth lock WASHER
79	376 852 R91	HOUSING, fuse (*)
80	324 788 R91	BLOCK, feed thru terminal
	103 092	No. 8 NUT
	100 750	No. 8 x 3/8" rd-hd-sltd mach SCREW (3)
	100 754	No. 8 x 7/8" rd-hd-sltd mach SCREW
	106 496	No. 8 lock WASHER (4)
	115 544	No. 8 internal tooth lock WASHER
81		REGULATOR ASSY, voltage and current (24 volt) (for components see list of parts under details of "Voltage Regulator")
	179 798	1/4 x 1-1/8" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
84		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
85		SWITCH, solenoid (part of cranking MOTOR)
86		GENERATOR ASSY (for components see list of parts under details of "Generator")
87	42 915 D	BLOCK, front light junction (*)
	103 088	No. 10 NUT
	132 923	No. 10 x 1" rd-hd-sltd mach SCREW
	354 260 R1	SPACER, junction block
	106 497	No. 10 lock WASHER
88	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)
88	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (*) (2)
89	263 514 R91	CLIP, cable (mounted on rear inner bolt of light bracket) (*) (†)
	604 891 C91	ATTACHMENT, electric lighting (see NOTES 1 and 3) TD-15BP 23044 to 25000 TD-15BPS 23044 up (Composed of - 1 BLOCK 42 915 D 3 BRACKET 331 145 R91 1 CABLE 358 111 R92 1 CABLE 358 118 R91 1 CABLE 62 862 D 1 CABLE 358 581 R91 1 CABLE 604 892 C91 1 CABLE 604 893 C91 3 CLIP 263 514 R91 1 CLIP 264 164 R91 6 CLIP 362 120 R1 1 CLIP 366 460 R1 1 FUSE 120 151 1 GROMMET 109 390 2 GROMMET 59 995 R1 2 GROMMET 338 064 R1 2 GROMMET 338 065 R1 1 HOUSING 376 852 R91 1 KNOB 606 299 C91 § 2 LIGHT, panel 327 189 R91 3 LIGHT 606 298 C91 2 SPACER 354 260 R1 1 SWITCH 606 298 C91 3 WASHER 330 717 R1 3 WASHER 330 718 R1)

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 23044 to 25230 TD-15BPS 23044 up		
624	363 C91	ATTACHMENT, electric lighting (see NOTES 1 and 3) TD-15BP 25001 to 25230 (Consists of - 1 CABLE 62 862 D 2 CABLE 358 111 R92 1 CLIP 263 514 R91 2 CLIP 263 717 R91 2 GROMMET 338 065 R1 1 GUARD 330 714 R11 2 GUARD 624 359 C1 3 LIGHT 327 189 R91 2 SWIVEL 303 706 R1)
331	145 R91	BRACKET, headlights, rear light and RH auxiliary rear light (#) (*) (%) (4) 7/16 x 7/8" hex-hd cap SCREW (16) 7/16" lock WASHER (16)
	179 857	BULB (12 volt)
	103 322	BULB (24 volt)
	142 450	
	193 093	
	263 514 R91	CLIP, cable (mounted on front inner bolt of rear light bracket) (#)
	362 120 R1	CLIP, cable (mounted on top inner bolt on RH of front of fuel tank) (#)
	362 120 R1	CLIP, cable (mounted on top and bottom bolts of rear RH seat side sheets) (#) (2)
	104 937	CORK (No. 1) (Not used with Electric Lighting Attachment)
	104 938	CORK (No. 2) (Not used with Electric Lighting Attachment)
	104 942	CORK (No. 6) (Not used with Electric Lighting Attachment)
	120 151	FUSE, lighting switch (15 amp) (*)
	59 995 R1	GROMMET, cable (for front light cable) (mounted on top of radiator guard) (*) (2)
	273 406 R1	GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)
	624 359 C1	GUARD, headlight and RH auxiliary rear light brush (#) (†) (%) (3) 7/16" NUT (4) 7/16 x 1" hex-hd cap SCREW (12) 7/16" lock WASHER (12)
	271 500	
	179 858	
	103 322	
	334 759 R91	HARNESSES, instrument panel (consists of reference Nos. 15, 17, 18, 19, 20 and 21)
	334 760 R91	HARNESSES, cranking motor (consists of reference Nos. 6 and 7)
	334 761 R91	HARNESSES, regulator to generator (consists of reference Nos. 9, 10, 11 and 14)
	338 056 R91	HARNESSES, starting safety switch (consists of reference Nos. 33 and 34)
	338 057 R91	HARNESSES, starting safety switch (consists of reference Nos. 36 and 37)
	603 467 C91	PACKAGE, panel light field service (Less BULBS) (consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)
	273 405 R1	WASHER, panel light (part of PACKAGE, 603 467 C91) (2)
NOTE 1 - Factory Application - Order On Machine Order Form.		
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.		
(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92.		
(*) - Also Listed and Illustrated with "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."		
(*) - Also Part of Electric Lighting ATTACHMENT, 604 891 C91.		
(†) - Part of Electric Lighting ATTACHMENT, 624 363 C91.		
§ - Not Furnished Separately.		

ELECTRICAL SYSTEM

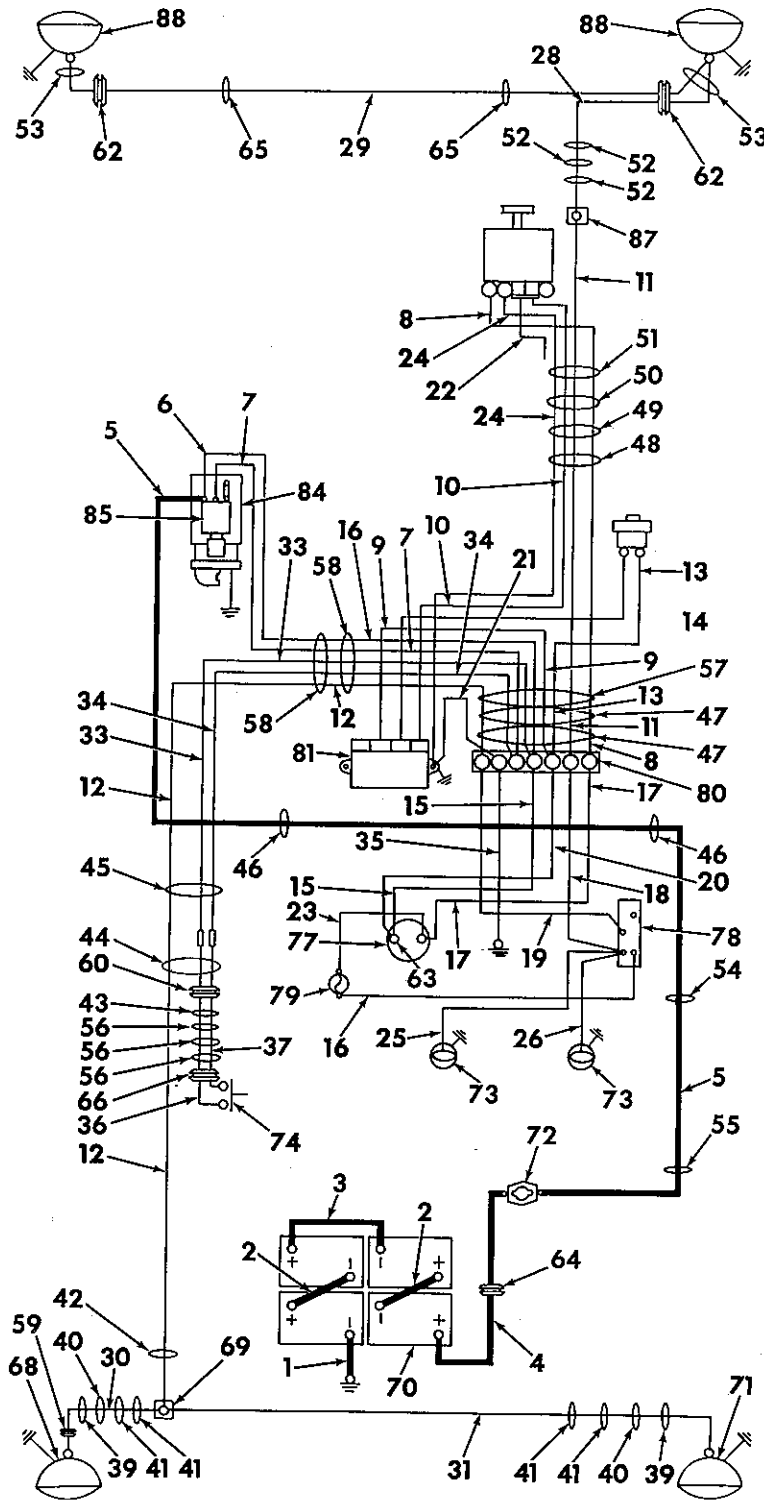
(DT-407)

ELECTRIC STARTING AND LIGHTING
(For Power Shift Crawler Tractors)
TD-15BP 25231 up

ELECTRICAL SYSTEM

(DT-407)

ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 25231 up



CE-94853

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 25231 up		
1	334 601 R91	CABLE, minus (-) terminal on battery to ground
2	253 738 R91	CABLE, battery to battery (short) (2)
3	624 397 C1	CABLE, battery to battery (long)
4	345 583 R91	CABLE, plus (+) terminal on battery to master switch
5	345 582 R91	CABLE, master switch to "B" terminal on solenoid
6		CABLE, terminal block to "B" terminal on solenoid (red) (Order HARNESS, 334 760 R91)
7		CABLE, terminal block to "S" terminal on solenoid (violet) (Order HARNESS, 334 760 R91)
8		CABLE, terminal block to "B" terminal on alternator (Order HARNESS, 624 383 C1)
9		CABLE, "A" terminal on alternator to No. 3 terminal on regulator (orange) (Order HARNESS, 624 383 C1)
10		CABLE, "F" terminal on alternator to "F" terminal on regulator (green) (Order HARNESS, 624 383 C1)
11		CABLE, terminal block to front lights junction block (green) (Order HARNESS, 624 383 C1)
12	358 581 R91	CABLE, terminal block to rear junction block
13		CABLE, terminal strip to engine oil pressure switch (Order HARNESS, 624 383 C1)
14		CABLE, No. 2 terminal on regulator to engine oil pressure switch (Order HARNESS, 624 383 C1)
15		CABLE, terminal block to plus (+) terminal on ammeter (red) (Order HARNESS, 624 282 C1)
16		CABLE, fuse housing to "B" terminal on light switch (Order HARNESS, 624 282 C1)
17		CABLE, terminal block to minus (-) terminal on ammeter (brown) (Order HARNESS, 624 382 C1)
18		CABLE, terminal block to front light switch (green) (Order HARNESS, 624 382 C1)
19		CABLE, terminal block to rear light switch (blue) (Order HARNESS, 624 382 C1)
20		CABLE, terminal block to minus (-) terminal on hourmeter (yellow) (Order HARNESS, 624 382 C1)
21		CABLE, terminal strip to regulator LH mounting bolt (Order HARNESS 624 383 C1)
22		CABLE, No. 1 terminal on alternator to dummy cable (Order HARNESS, 624 383 C1)
23	604 892 C91	CABLE, minus (-) terminal on ammeter to fuse housing
24		CABLE, "G" terminal on alternator to mounting bolt on regulator (Order HARNESS, 624 383 C1)
25	332 117 R91	CABLE, light switch to RH instrument panel light (w/Lamps)

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 25231 up		
26	332 117 R91	CABLE, light switch to LH instrument panel light (w/Lamps)
28	358 111 R92	CABLE, front light junction block to RH front light (†)
29	358 118 R91	CABLE, LH to RH front light
29	358 111 R92	CABLE, LH to RH front light (†)
30	62 862 D	CABLE, rear light junction block to rear light (†)
31	358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)
33		CABLE, terminal block to starting switch connector (red) (Order HARNESS, 338 056 R91)
34		CABLE, terminal block to starting switch connector (white) (Order HARNESS, 338 056 R91)
35		CABLE, instrument panel grounding (Order HARNESS 624 382 C1) No. 10 NUT (2) No. 10 x 3/4" pan-hd-sld mach SCREW No. 10 lock WASHER No. 10 internal-external tooth lock WASHER (2)
36		CABLE, starting switch to connector (red) (Order HARNESS, 338 057 R91)
37		CABLE, starting switch to connector (violet) (Order HARNESS, 338 057 R91)
39	263 514 R91	CLIP, cable (mounted on brush guard bolt of light bracket) (2)
39	263 717 R91	CLIP, cable (mounted on light swivel bolt) (†) (2)
40	362 120 R1	CLIP, cable (mounted on top inner bolt of fuel tank LH side) (2)
41	362 120 R1	CLIP, cable (mounted on top and bottom bolt of LH seat side sheet) (4)
42	264 164 R91	CLIP, cable (mounted on LH bottom bolt of battery support frame)
43	604 388 C91	CLIP, cable between service cover and housing of gear selector
44	263 717 R91	CLIP, cable (for starting switch lower cable harness) (mounted on bolt securing torque converter pipe clamp)
45	362 120 R1	CLIP, cable (for starting switch lower cable harness) (mounted on clutch oil pressure tube clamp bolt on LH fender)
46	604 388 C91	CLIP, cable (mounted on LH and RH upper bolts of torque converter housing) (2)
47		CLIP, cable (welded on dash) (2)
48	362 120 R1	CLIP, cable (mounted on crankcase rear RH bolt)
49	362 121 R1	CLIP, cable (mounted on rear bolt of injection line clamp)
		(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92. (†) - Part of Electric Lighting ATTACHMENT, 624 363 C91.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 25231 up		
50	362 120 R1	CLIP, cable on rear of forward mounting bolt of spin on final filter)
	103 341	13/32 x 13/16" x 16 ga WASHER
51	362 122 R1	CLIP, cable (mounted on bottom bolt of alternator bracket)
52	362 120 R1	CLIP, cable (for RH front light cable) (mounted on RH bottom, center and top fan shroud mounting bolts) (3)
53	263 717 R91	CLIP, cable
54	616 282 C1	CLIP, cable (mounted on lower bolt of brake pedal bracket)
55	267 787 R91	CLIP, cable (mounted on RH bottom bolt of seat frame support cross bar)
56		CLIP, cable (welded on inside power shift gear selector box) (2)
57	263 716 R91	CLIP, cable (for regulator, alternator and cranking motor cable harness) (mounted on inner bolt of pressure tube clamp on dash)
58		CLIP, cable (welded on LH side of dash)(2)
59	109 390	GROMMET, cable (for rear light cable) (mounted on fuel tank support cover)
60	341 859 R1	GROMMET, cable (for starting safety switch harness) (mounted on LH side of front frame)
61	338 064 R1	GROMMET, cable (for front light cable) (mounted on radiator guard top rear stiffener) (2)
62	338 065 R1	GROMMET, cable (for front light cable) (mounted on top header (†) (2)
63	604 872 C91	GROMMET, cable (used for insulator) (mounted on positive (+) terminal of ammeter on tractors not equipped with electric lighting)
64	112 745	GROMMET, cable (mounted on RH seat side sheet)
65		CLIP, cable (welded on radiator guard header)
66	617 259 C1	GROMMET, in tower
68	338 814 R91	LIGHT ASSY, rear (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (†)
68	327 189 R91	LIGHT ASSY, rear (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (†)
69	42 915 D	BLOCK, rear light junction (mounted on LH seat side sheet
	103 088	No. 10 NUT
	132 923	No. 10 x 1" rd-hd-slt mach SCREW
	354 260 R1	SPACER, junction block
	106 497	No. 10 lock WASHER
70		BATTERY (6 volt) (Prestolite 1258X) (4)

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 25231 up		
71	338 814 R91	LIGHT ASSY, RH auxiliary rear flood (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
71	327 189 R91	LIGHT ASSY, RH auxiliary rear flood (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (#)
72		SWITCH ASSY, master (for components see list of parts under details of "Master Switch")
	109 084	1/4" NUT
	179 795	1/4 x 3/4" hex-hd cap SCREW
	103 319	1/4" lock WASHER
73		LIGHT, panel (Order PACKAGE 603 467 C91) (2)
74	700 395 C91	SWITCH w/PAMPHLET, 1 085 291 R1 starting safety
	115 553	5/8" internal tooth lock WASHER
77	269 467 R92	AMMETER (also listed and illustrated with "Instruments and Instrument Panel")
78	606 298 C91	SWITCH, lighting (Cole-Hersee No. 72054)
	606 299 C91	KNOB, lighting switch
	115 550	7/16" internal tooth lock WASHER
79	376 852 R91	HOUSING, fuse
80	324 788 R91	BLOCK, feed thru terminal
	103 092	No. 8 NUT
	100 750	No. 8 x 3/8" rd-hd-slt mach SCREW (3)
	100 754	No. 8 x 7/8" rd-hd-slt mach SCREW
	106 496	No. 8 lock WASHER (4)
	115 544	No. 8 internal tooth lock WASHER
81		REGULATOR ASSY, voltage and current (24 volt) (for components see list of parts under details of "Voltage Regulator")
	179 798	1/4 x 1-1/8" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
84		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
85		SWITCH, solenoid (part of cranking MOTOR)
86		ALTERNATOR ASSY (for components see list of parts under details of "Alternator")
87	42 915 D	BLOCK, front light junction
	103 088	No. 10 NUT
	132 923	No. 10 x 1" rd-hd-slt mach SCREW
	354 260 R1	SPACER, junction block
	106 497	No. 10 lock WASHER
88	338 814 R91	LIGHT ASSY, front head (Guide Lamp No. 899591) (Optional with 327 189 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (2)
88	327 189 R91	LIGHT ASSY, front head (Hobbs No. MI-2705) (Optional with 338 814 R91) (for components see list of parts under details of "Headlights, Rear Light and RH Auxiliary Rear Light") (†) (2)
89	263 514 R91	CLIP, cable (mounted on rear inner bolt of light bracket) (†)

(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92.
(†) - Part of Electric Lighting ATTACHMENT, 624 363 C91.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 25231 up

624 363 C91	ATTACHMENT, electric lighting (see NOTES 1 and 3) (Consists of -	
	1	CABLE 62 862 D
	2	CABLE 358 111 R92
	1	CLIP 263 514 R91
	2	CLIP 263 717 R91
	2	GROMMET 338 065 R1
	1	GUARD 330 714 R11
	2	GUARD 624 359 C1
	3	LIGHT 327 189 R91
	2	SWIVEL 303 706 R1)
331 145 R91	BRACKET, headlights, rear light and RH auxiliary rear light (#) (%) (4)	
179 857	7/16 x 7/8" hex-hd cap SCREW (16)	
103 322	7/16" lock WASHER (16)	
142 450	BULB (12 volt)	
193 093	BULB (24 volt)	
263 514 R91	CLIP, cable (mounted on front inner bolt of rear light bracket) (#)	
362 120 R1	CLIP, cable (mounted on top inner bolt on RH of front of fuel tank) (#)	
362 120 R1	CLIP, cable (mounted on top and bottom bolts of rear RH seat side sheets) (#) (2)	
104 937	CORK (No. 1) (Not used with Electric Lighting Attachment)	
104 938	CORK (No. 2) (Not used with Electric Lighting Attachment)	
104 942	CORK (No. 6) (Not used with Electric Lighting Attachment)	
120 151	FUSE, lighting switch (15 amp)	
59 995 R1	GROMMET, cable (for front light cable) (mounted on top of radiator guard) (2)	
273 406 R1	GROMMET, panel light (part of PACKAGE, 603 467 C91) (2)	
624 359 C1	GUARD, headlight and RH auxiliary rear light brush (#) (†) (%) (3)	
271 500	7/16" NUT (4)	
179 858	7/16 x 1" hex-hd cap SCREW (12)	
103 322	7/16" lock WASHER (12)	
624 382 C1	HARNESS, instrument panel (consists of reference Nos. 15, 16, 17, 18, 19, 20 and 35)	
334 760 R91	HARNESS, cranking motor (consists of reference Nos. 6 and 7)	
624 383 C1	HARNESS, regulator to alternator (consists of reference Nos. 8, 9, 10, 11, 13, 14, 21, 22 and 24)	
338 056 R91	HARNESS, starting safety switch (consists of reference Nos. 33 and 34)	
338 057 R91	HARNESS, starting safety switch (consists of reference Nos. 36 and 37)	
603 467 C91	PACKAGE, panel light field service (Less BULBS) (Consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)	
273 405 R1	WASHER, panel light (part of PACKAGE, 603 467 C91) (2)	

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 25231 up

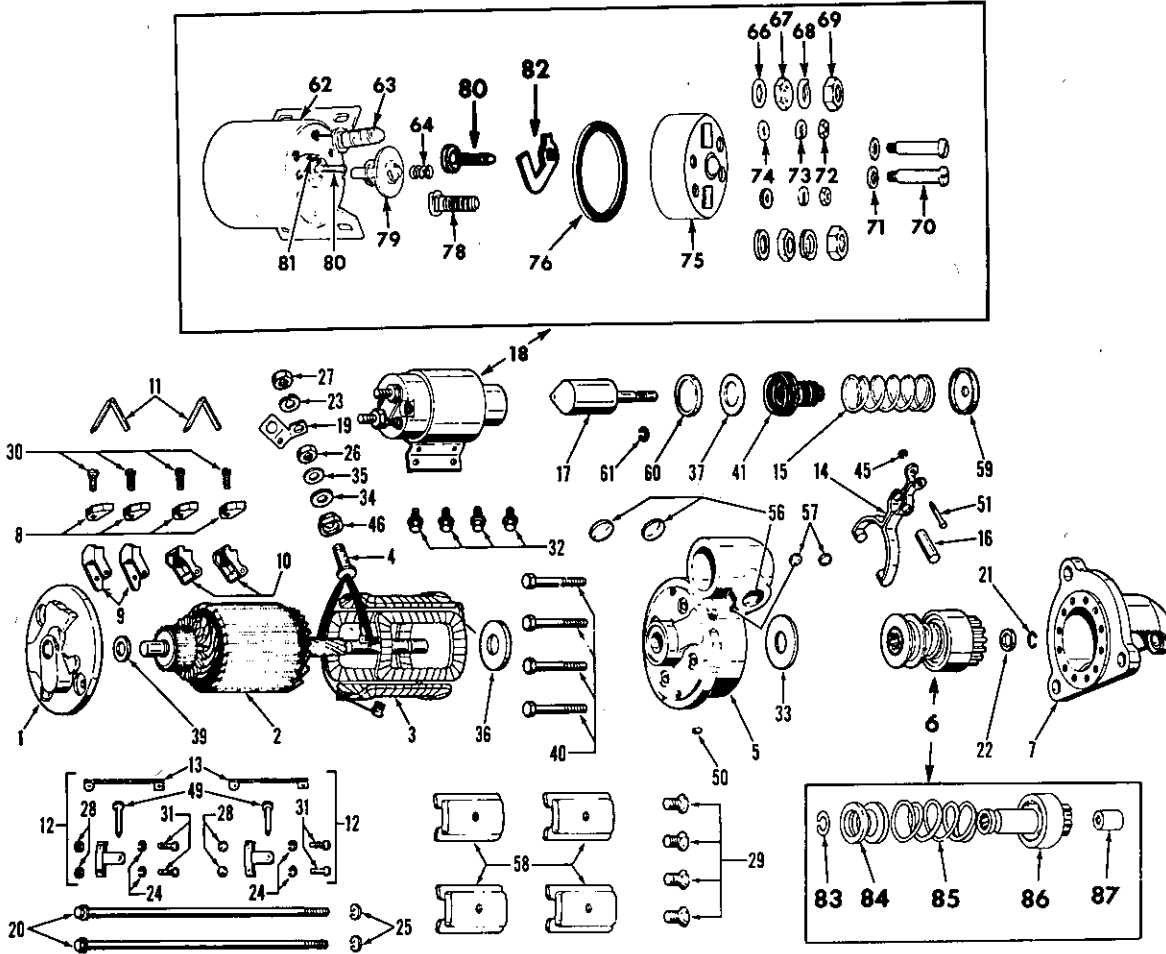
NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
(#) - Part of RH Auxiliary Rear Light ATTACHMENT, 604 048 C92.
(%) - Also Listed and Illustrated with "Headlights, Rear Light and RH Auxiliary Rear Light Brackets."
(†) - Part of Electric Lighting ATTACHMENT, 624 363 C91.
§ - Not Furnished Separately.

ELECTRICAL SYSTEM
(DT-407)

CRANKING MOTOR
(Delco-Remy)

ELECTRICAL SYSTEM
(DT-407)

CRANKING MOTOR - CONTINUED
(Delco-Remy)



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY

IPA-66674-C

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1113157	MOTOR ASSY, cranking (24 volt) (with short shaft armature)
	179885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	103323	1/2" lock WASHER (3)
1	1966265	FRAME ASSY, commutator end (Composed of - 1 BUSHING 1872678 1 PLUG 125947 1 PLUG 810819 1 WICK 1916439)
2	1932872	ARMATURE (short shaft)
3	1951857	COIL w/STUD, 1945626, field (four coils)
4	1945626	STUD, terminal
5	1942241	HOUSING ASSY, lever (Composed of - 1 BUSHING 1933999 2 PLUG 9411375 1 PLUG 9419572 1 PLUG 453465 1 WICK 1947350)
6	1951180	DRIVE, motor (Composed of - 1 BUSHING, oilless 1873796 1 WIRE, lock 1904436 1 SPRING 1932354)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
7	1949370	HOUSING w/BUSHING, 1955994, PLUG, 453465 and WICK, 1916439, drive
8	1906990	BRUSH (4)
9	1940477	HOLDER, brush ground (2)
10	1950546	HOLDER, brush insulated (2)
11	1945620	SPRING, brush (2)
12	1945923	PACKAGE, brush support (2) (Composed of - 1 LEAD 1930694 2 NUT 120361 1 PIN 1938058 2 RIVET 1945630 2 SCREW 445639 2 WASHER 453435)
13	1930694	LEAD, ground (2)
14	1942245	LEVER, shift
15	1948521	SPRING, lever

Always Give CRANKING MOTOR NUMBER when ordering parts.

ELECTRICAL SYSTEM

(DT-407)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
16	1942255	SHAFT, lever
17	1942250	PLUNGER
18	1119896	SWITCH ASSY, solenoid starting (Composed of -
	1	CASE and COIL 1958753
	1	CLIP 1937381
	1	CONTACT 1917119
	1	COVER 1956416
	1	GASKET 1930629
	2	NUT 134566
	2	NUT 453996
	1	NUT 1904419
	2	SCREW 132903
	1	SPRING 1853342
	1	STUD 1950069
	1	STUD 1958751
	1	STUD 1958754
	2	WASHER 453290
	2	WASHER 805790
	1	WASHER 815540
	2	WASHER 1923935
	2	WASHER 1950064
	1	WASHER 1950071
	1	WASHER 1915334)
19	1942249	CONNECTOR, switch
20	809 763	BOLT, thru (2)
21	1928022	RING, pinion stop retainer
22	1928021	COLLAR, pinion stop
23	9 421 425	WASHER, lock, terminal stud
24	453435	WASHER, lock (4)
25	9421424	WASHER, lock, thru bolt (2)
26	805258	NUT, terminal stud (5/32" thick)
27	805258	NUT, terminal stud (5/32" thick)
28	120361	NUT (4)
29	1913960	SCREW, pole shoe (4)
30	1959514	SCREW, brush attaching (4)
31	445639	SCREW (4)
32	1917084	SCREW, switch attaching (4)
33	821453	WASHER, brake (between lever housing and motor drive)
34	1950029	WASHER, insulating terminal stud (2)
35	805790	WASHER, plain, terminal stud
36	1942283	WASHER, space (between lever housing and armature)
37	1942259	WASHER, retainer spring
39	1966264	WASHER, space, commutator end
40	1962546	BOLT, drive housing attaching (4)
41	1942257	BOOT
45	1938376	RING, lever attaching pin snap
46	1931783	BUSHING, insulating terminal stud
49	1938058	PIN, brush holder (2)
50	909593	PIN, dowel, drive housing
51	1942253	PIN, lever attaching
56	9411375	PLUG, expansion, lever housing (1-3/16" dia) (2)
57	9419572	PLUG, expansion lever housing (1/2" dia)
58	1931784	SHOE, pole (4)

ELECTRICAL SYSTEM

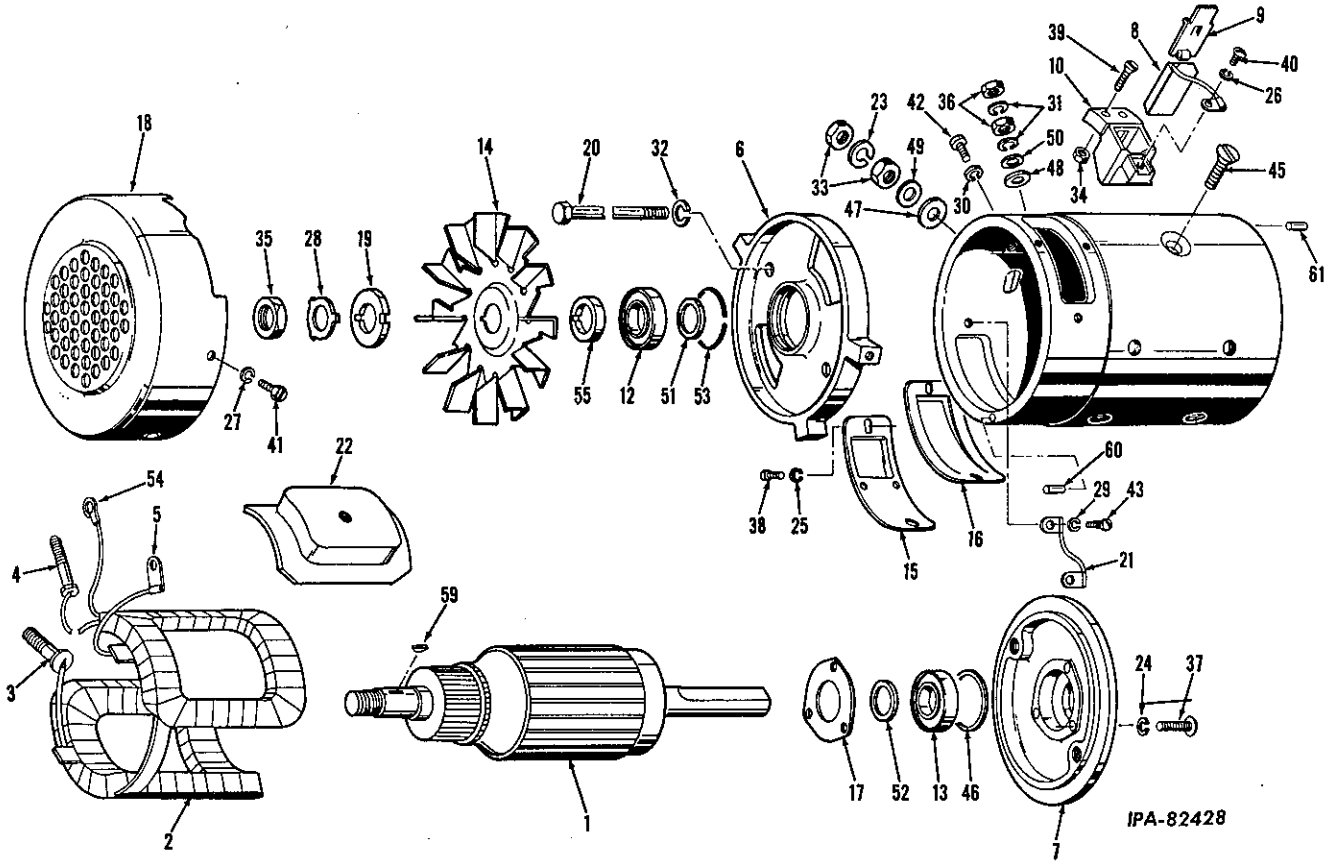
(DT-407)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
59	1942282	RETAINER, spring (13/32" hole)
60	1942256	RETAINER, spring (1-13/64" hole)
61	9415235	RING, spring retainer snap
62	1958753	CASE and COIL
63	1958754	STUD, motor terminal
64	1853342	SPRING, contact return
66	805790	WASHER, insulating terminal (2)
67	1904419	NUT, 3/8" terminal (2)
68	9421425	WASHER, 3/8" terminal lock (2)
69	134566	NUT, 3/8" terminal (2)
70	1943225	SCREW, cover attaching (2)
72	453996	NUT, No. 8 hex. terminal (2)
73	1946143	WASHER, No. 8 terminal lock (2)
74	815540	WASHER, insulating
75	1965623	COVER
76	1965625	GASKET, cover
78	1958751	STUD, battery terminal
79	1917119	CONTACT and ROD
80	1950069	STUD, terminal switch
81	1937381	CLIP, terminal
83	1904436	LOCKWIRE
84	1904443	COLLOR, motor drive
85	1932354	SPRING, motor drive
86		GEAR AND SHAFT (Not furnished separately)
87	37335	BUSHING
	1872678	BUSHING, commutator end
	1873796	BUSHING, oilless
	1955994	BUSHING, drive end
	1933999	BUSHING, lever housing
	1914873	INSULATION, field coil (2)
	1946012	GASKET, lever housing to drive housing
	1946542	GASKET, terminal end
	1966263	GASKET, commutator end
	1914593	"O" RING, thru bolt
	1916272	"O" RING, between field frame and lever housing
	1867150	OIL SEAL, lever housing
	453465	PLUG, commutator end pipe
	453465	PLUG, drive end pipe
	453465	PLUG, lever housing pipe (15/64" dia)
	810819	PLUG, commutator end expansion
	453319	SCREW, ground (in frame)
	1932354	SPRING
	453435	WASHER, ground screw (2)
	1959514	WASHER, brush attaching lock (2)
	1935255	WASHER, felt commutator end
	1950064	WASHER, terminal stud sealing (2)
	1950071	WASHER, terminal stud
	1916439	WICK, oil CE and DE (2)
	1947350	WICK, lever housing oil
	1904436	WIRE, lock

Always Give CRANKING MOTOR NUMBER When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

GENERATOR
(Delco-Remy) (Heavy Duty)
(Part of Heavy Duty Generator Attachment 607 736 C91)
407TC2U032317 and below



GENERATOR - CONTINUED
(Delco-Remy)
(Part of Heavy Duty Generator Attachment 607 736 C91)
407TC2U032317 and below

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1105237	GENERATOR ASSY (24 volt)
1	1965980	ARMATURE
2	1930236	COIL, LH field
2	1930237	COIL, RH field
3	1858749	STUD, terminal (includes insulator)
4	1858749	STUD, terminal (includes insulator)
5		LEAD (Not Furnished Separately)
6	1962307	FRAME, commutator end
7	1962313	FRAME, drive end
8	1946404	BRUSH (2)
9	1947890	SPRING and SUPPORT ASSY, brush (2)
10	1947873	HOLDER, brush (2)
12	907055	BEARING, ball (commutator end)
13	907054	BEARING, ball (drive end)
14	1937227	FAN and BAFFLE (commutator end)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
15	1947887	PLATE, cover (field frame) (2)
16	1947888	GASKET, cover plate (2)
17	1954873	PLATE, ball bearing retainer (inside)
18	1948281	COVER, commutator end
19	1913689	COLLAR, fan (commutator end)
20	809763	BOLT, thru (2)
21	1947875	LEAD ASSY, brush to ground
22	1918004	SHOE, pole (2)
23	1914579	WASHER, terminal stud lock (2)
24	453435	WASHER, retainer plate attaching lock (4)
25	1946143	WASHER, cover plate attaching screw lock (8)
26	453 844	WASHER, brush lead attaching screw lock (2)
27	1962276	WASHER, cover attaching screw lock (3)
28	1913743	WASHER, fan attaching nut lock

Always Give GENERATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
GENERATOR-CONTINUED (Delco-Remy) (Part of Heavy Duty Generator Attachment 607 736 C91) 407TC2U032317 and below		
29	1962276	WASHER, ground lead attaching screw lock
30	9421423	WASHER, ground screw lock (top of frame)
31	1914579	WASHER, terminal stud lock (2)
32	9421424	WASHER, thru bolt lock (2)
33	121743	NUT, terminal stud (2)
34	5024654	NUT, brush holder attaching screw (4)
35	1915172	NUT, fan attaching
36	121743	NUT, terminal stud (2)
37	274946	SCREW, retainer plate attaching (4)
38	453418	SCREW, cover plate attaching (8)
39	453337	SCREW, brush holder attaching (4)
40	453418	SCREW, brush lead attaching (2)
41	1917123	SCREW, cover attaching (3)
42	9411511	SCREW, ground (top of frame)
43	453319	SCREW, ground lead attaching
45	1914750	SCREW, pole shoe (2)
46	1948276	GASKET, ball bearing retainer plate
47	1902746	WASHER, insulating terminal stud
48	1902746	WASHER, insulating terminal stud
49	826319	WASHER, terminal stud plain
50	826319	WASHER, terminal stud plain
51	809945	WASHER, space commutator end (inside)
52	1948271	COLLAR, ball bearing drive end
53	1956299	CLAMP, ball bearing commutator end
54	200362	CLIP, terminal
55	1948272	SPACER, fan commutator end
59	427261	KEY, Woodruff commutator end
60	809062	PIN, dowel
61	809062	PIN, dowel
	1948273	BAFFLE, oil drive end
	1948268	BUSHING, hinge commutator end
	1948385	BUSHING, drive end (in mounting hinge)
	1948279	GASKET, ball bearing retainer plate commutator end
	124548	KEY, Woodruff drive end
	9418881	NUT, shaft drive end
	1948284	OIL SEAL, ball bearing retainer
	1948285	OIL SEAL, commutator end ball bearing retainer
	1948274	PLATE, ball bearing retainer (outside)
	1948277	RETAINER, ball bearing commutator end
	9416183	SCREW, ball bearing retainer plate attaching (4)

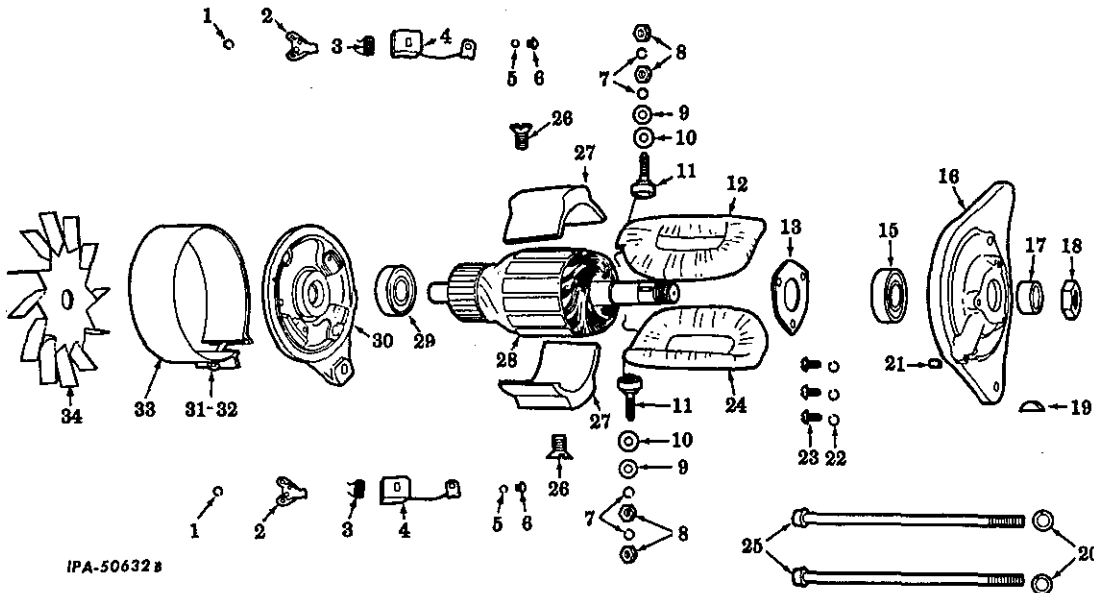
ELECTRICAL SYSTEM
(DT-407)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
GENERATOR - CONTINUED (Delco-Remy) (Part of Heavy Duty Generator Attachment 607 736 C91) 407TC2U032317 and below		
	453435	WASHER, ball bearing retainer plate attaching lock (4)
	1905406	WASHER, shaft nut drive end

Always Give GENERATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

GENERATOR
(Delco-Remy) (Standard) (Not Heavy Duty)
407TC2U032317 and below



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

ELECTRICAL SYSTEM
(DT-407)

GENERATOR - CONTINUED
(Delco-Remy) (Standard) (Not Heavy Duty)
407TC2U032317 and below

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1105233	GENERATOR ASSEMBLY, 24 volt
	19 258 R1	NUT, 1/2" Esna
	103028	1/2NF NUT
	181431	1/2NF x 1-1/2" hex-hd cap SCREW
	181442	1/2NF x 3" hex-hd cap SCREW
	103323	1/2" lock WASHER
1		Not Used
2	1944373	ARM, brush (2)
3	1903870	SPRING, brush (2)
4	1932506	BRUSH (2)
5	1914816	WASHER, brush lead attaching lock (2)
6	453460	SCREW, brush lead attaching (2)
7	1914579	WASHER, terminal stud lock (4)
8		Not Used
9	826319	WASHER, terminal stud plain (2)
10	1902746	WASHER, insulation terminal stud (2)
11	1858749	STUD, terminal (2)
12	1930237	COIL, RH field
13	1935923	PLATE, ball bearing retainer drive end
15	907056	BEARING, drive end ball
16	1934553	FRAME, drive end
17	1946069	COLLAR, outside drive end space
18	941881	NUT, drive end shaft
19	124548	KEY, drive end (Woodruff)
20	9421424	WASHER, thru bolt lock (2)
21	809062	PIN, drive end dowel
22	1962276	WASHER, ball bearing retainer plate screw drive end lock (3)
23	1914580	SCREW, ball bearing retainer plate drive end (3)
24	1930236	COIL, LH field

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
25	809763	BOLT, thru (2)
26	1914750	SCREW, pole shoe (2)
27	1918004	SHOE, pole (2)
28	1963848	ARMATURE
29	907058	BEARING, commutator end ball
30	1938207	FRAME, commutator end
31	1935960	NUT, cover band
32	453479	SCREW, cover band
33	1879530	BAND, cover
34	1937227	FAN
	200362	CLIP, terminal to brush
	1913689	COLLAR, fan
	1955831	COVER, commutator end
	427261	KEY, commutator end (Woodruff)
	1915172	NUT, fan attaching
	809062,	PIN, commutator end dowel
	823551	PLUG, drive end
	9411511	SCREW, field frame
	1917123	SCREW, cover attaching (3)
	1913688	SPACER, fan collar
	9421423	WASHER, field frame screw lock
	1905406	WASHER, drive end shaft nut plain
	809945	WASHER, commutator end space
	1962276	WASHER, cover attaching lock (3)
	1913743	WASHER, fan attaching lock

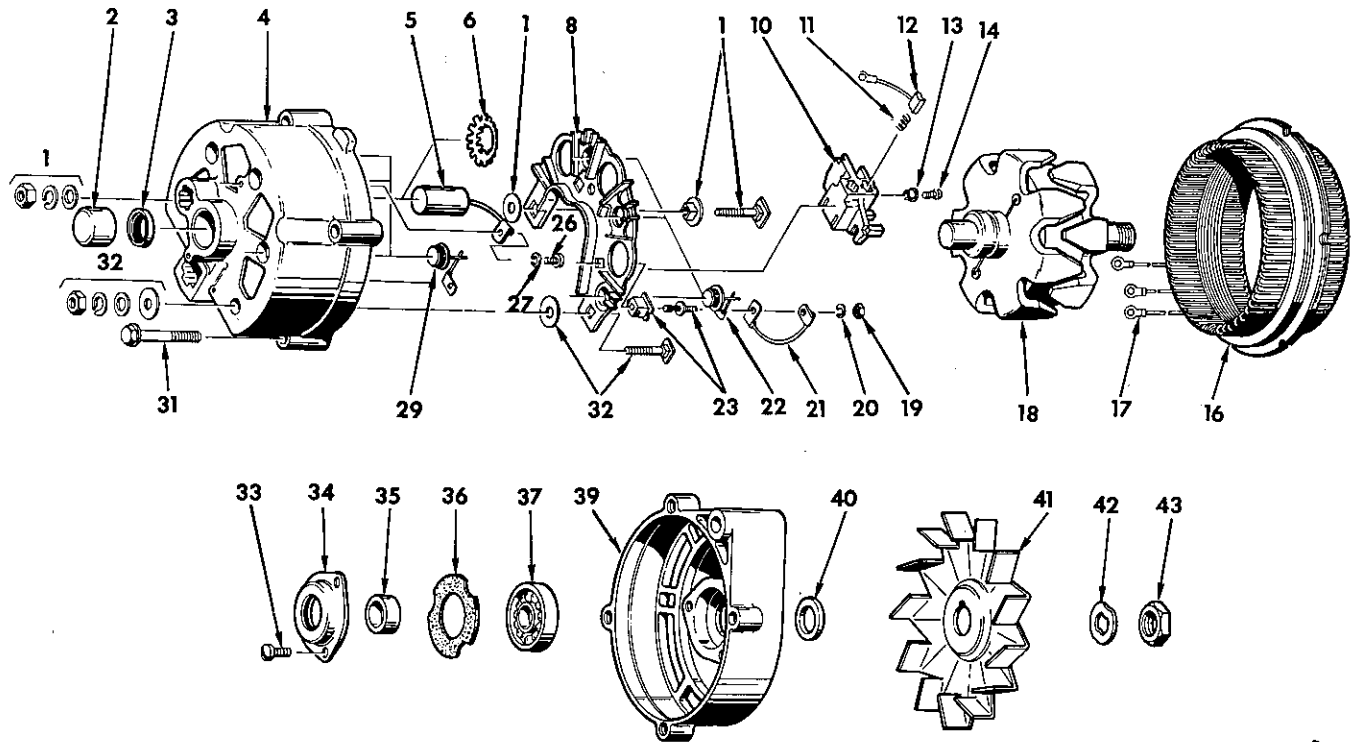
Always Give GENERATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

ELECTRICAL SYSTEM
(DT-407)

ALTERNATOR
(Delco-Remy)
407TC2U032318 and up

ALTERNATOR - CONTINUED
(Delco-Remy)
407TC2U032318 and up



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

CE-90138 B

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1100062	ALTERNATOR ASSY (Consists of the following parts -			
1	1991705	PACKAGE, relay terminal	14	1957501	SCREW, brush holder attaching (2)
2	7451782	BEARING, slip ring end roller	16	1971220	STATOR w/three CLIP 1959532
3	1961323	SEAL, slip ring and roller bearing	17	1959532	CLIP, stator terminal (3)
4	1971702	FRAME ASSY, slip ring end (Composed of -	18	1971260	ROTOR
		1 BEARING 7451782	19	453434	NUT, divide junction terminal (3)
		1 CAPACITOR 1959455	20	9419392	WASHER, diode junction terminal lock (3)
		§ 1 FRAME	21	1969073	CONNECTOR, relay terminal to diode junction
		3 DIODE 1964354	22	1964353	DIODE, positive (3)
		1 RING 1969056	23	1959834	PACKAGE, diode junction terminal (3)
		1 SEAL 1961323	26	1916336	SCREW, capacitor terminal and heat sink attaching (3)
		1 SPRING 1960750)	27	9419392	WASHER, capacitor terminal and heat sink attaching screw lock (3)
5	1959455	CAPACITOR	29	1964354	DIODE, negative (3)
6	1960750	SPRING, capacitor retaining	31	1956975	BOLT, thru (4)
8	1971703	SINK w/three PACKAGE, 1959834, three DIODE, 1964353, three WASHER 9419342 and three NUT, 453434, heat			
10	1964682	HOLDER w/BRUSH and SPRING 1964117, brush			
11	1964117	SPRING, brush			
12		BRUSH (Not Furnished Separately)			
13	9419392	WASHER, brush holder screw (2)			
					Always Give ALTERNATOR Number When Ordering Parts.
					§ - Not Furnished Separately.

ELECTRICAL SYSTEM
(DT 407)

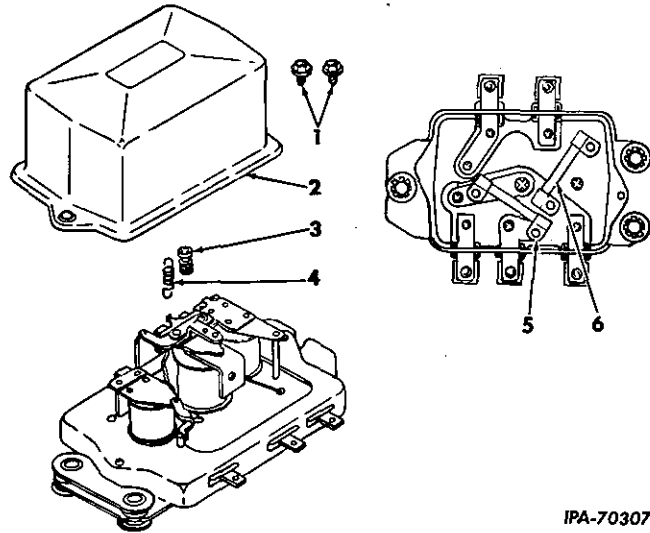
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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ALTERNATOR - CONTINUED
(Delco-Remy)
407TC2U032318 and up

32	1971704	PACKAGE, battery terminal
33	1965104	SCREW, ball bearing retainer plate attaching (3)
34	1961867	PLATE, ball bearing retainer
35	1970384	COLLOR, inside
36	1955663	GASKET, ball bearing retainer plate
37	907940	BALL BEARING
38	1970384	COLLAR, shaft (inside)
39	1969066	FRAME, drive end
40	1969046	COLLAR, shaft (outside)
41	1969069	FAN and BAFFLE, alternator
42	1905406	WASHER, shaft nut
43	9418881	NUT, shaft
	1969062	BUSHING, slip ring and mounting
	1969055	DAMPENER, heat sink
	1969052	INSULATOR, capacitor terminal and heat sink attaching screw (3)
	1955664	PLATE, felt retainer (drive end)
	455160	PIN, dowel (slip ring end)
	1969056	PLUG, slip ring end expansion
	132900	SCREW, ground
	453435	WASHER, lock (ground end)
	1970722	SEAL, relay terminal
	1969042	SEAL, rotor shaft
	1969070	SHIELD, drive end frame dust
	1969068	SHROUD, drive end frame
	274937	SCREW, retaining
	1970139	TUBE, insulator regulator heat sink screw
	1955660	WASHER, felt (drive end)

ELECTRICAL SYSTEM
(DT-407)

VOLTAGE REGULATOR
(Delco-Remy) (For Units Equipped with Alternator)
TD-15BP 25231 up
TD-15BG 25231 up
TD-15B(Custom)BGA 25001 up
TD-15BPS 25231 up
TD-15BGF 25231 up
TD-15BGS 25231 up



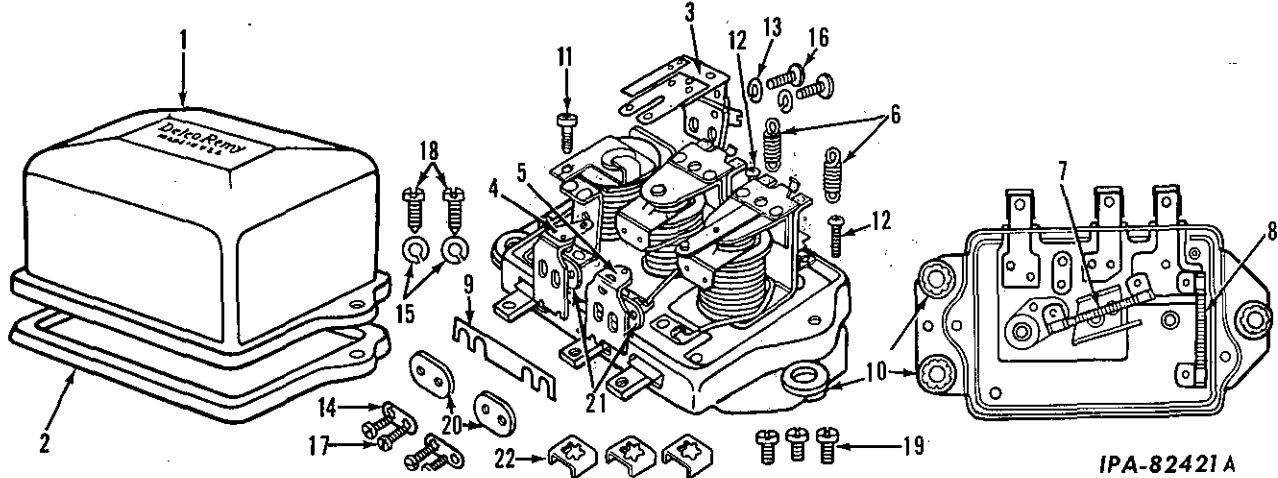
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1119518	REGULATOR ASSY, voltage (consists of Ref. Nos. 1 thru 6)
	109084	1/4" NUT (2)
	103319	1/4" lock WASHER (2)
1	1943386	SCREW, cover attaching (2)
2		COVER, regulator (Not Furnished Separately)
3	1958148	SCREW, adjusting
4	1958137	SPRING, adjusting screw
5	1956235	RESISTOR
6	1960347	RESISTOR

Always Give VOLTAGE REGULATOR Number
When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

VOLTAGE REGULATOR

(Delco-Remy) (For Use With Heavy Duty Generator)
(Part of Heavy Duty Generator Attachment 607 736 C91)
TD-15BP 22001 to 25230
TD-15BG 22001 to 25230
TD-15BPS 22001 to 25230
TD-15BGF 22001 to 25230
TD-15BGS 22001 to 25230



IPA-82421 A

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1119677	REGULATOR ASSY, voltage (24 volt) (Consists of the following parts -
1	1941663	COVER
2	1931887	GASKET
3	1942909	ARMATURE, relay
4	1878493	CONTACT and SUPPORT, current regulator
5	1939658	CONTACT and SUPPORT, voltage regulator
6	1912176	SPRING, regulator armature (current)
6	1959948	SPRING, regulator armature (voltage)
7	1957821	RESISTOR, relay to voltage circuit
7	1957821	RESISTOR, current to field
8	1956233	RESISTOR, current to ground
9	1939661	CONNECTOR, voltage and current
10	1879663	GROMMET, rubber (in base) (3)
11	1912159	SCREW, relay armature adjusting
12	1944590	SCREW, regulator adjusting (2)
13	1924764	SCREW, and lock WASHER ASSY, relay armature attaching (2)
14	1878505	WASHER, current regulator contact attaching screw lock
15		Not Used
16	1924764	SCREW and lock WASHER ASSY, relay armature attaching (2)
17	1878516	SCREW, current regulator contact attaching (3)
17	1943854	SCREW, voltage regulator contact attaching (3)
18	1943386	SCREW, cover (2)
19	1914800	SCREW, terminal (3)

ELECTRICAL SYSTEM
(DT-407)

VOLTAGE REGULATOR - CONTINUED

(Delco-Remy) (For Use With Heavy Duty Generator)
(Part of Heavy Duty Generator Attachment 607 736 C91)
TD-15BP 22001 to 25230
TD-15BG 22001 to 25230
TD-15BPS 22001 to 25230
TD-15BGF 22001 to 25230
TD-15BGS 22001 to 25230

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
20	1922599	BUSHING, current regulator contact attaching screw
21	1878507	WASHER, current regulator attaching screw insulating
22	1878503	CLAMP, terminal (3)
	1855978	CLAMP, ground screw (in base)
	1939659	INSULATOR, voltage contact support
	1933941	LEAD ASSY, ground
	1910966	PACKAGE, shock mount
	124818	NUT, shock mount attaching screw (3)
	273485	SCREW, shock mount attaching (3)
	9421423	WASHER, shock mount attaching screw lock (2)
	1960638	RESISTOR, voltage adjusting (680 ohm)
	1953365	RESISTOR, voltage adjusting (300 ohm)
	1953362	RESISTOR, voltage adjusting (200 ohm)
	1953364	RESISTOR, voltage adjusting (100 ohm)
	274577	SCREW, ground (in base)
	1950276	SCREW and lock WASHER, voltage adjusting
	1922996	WASHER, insulating contact (1/32" thick)
	1957462	WASHER, insulating contact

Always Give VOLTAGE REGULATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

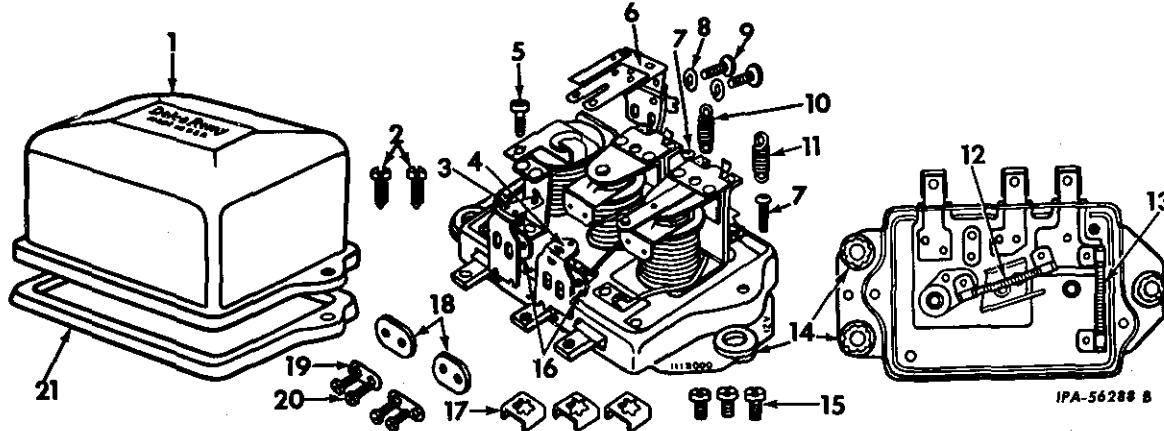
VOLTAGE REGULATOR

(Delco-Remy) (Not Used With Heavy Duty Generator)
 TD-15BP 22001 to 25230
 TD-15BG 22001 to 25230
 TD-15BPS 22001 to 25230
 TD-15BGF 22001 to 25230
 TD-15BGS 22001 to 25230

ELECTRICAL SYSTEM
(DT-407)

VOLTAGE REGULATOR - CONTINUED

(Delco-Remy) (Not Used With Heavy Duty Generator)
 TD-15BP 22001 to 25230
 TD-15BG 22001 to 25230
 TD-15BPS 22001 to 25230
 TD-15BGF 22001 to 25230
 TD-15BGS 22001 to 25230



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

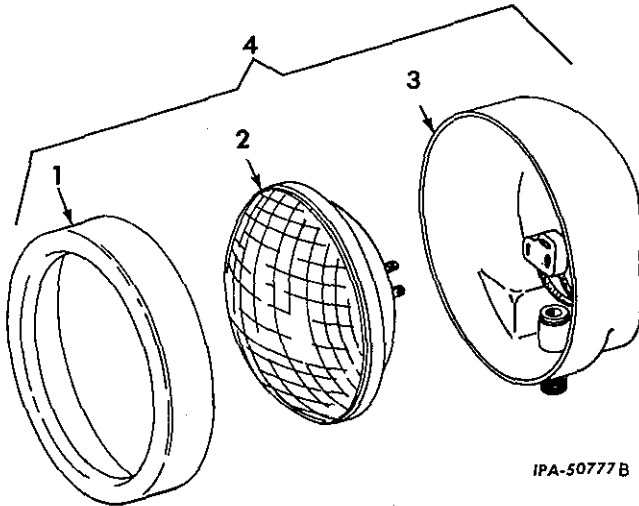
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1119233	REGULATOR ASSEMBLY, voltage (24 volt)
	179798	1/4 x 1-1/8" hex-hd cap SCREW (4)
	114604	1/4" external-tooth lock WASHER (4)
1	1931886	COVER
2	1943386	SCREW, cover (2)
3	1878517	SUPPORT, current regulator contact
4	1933239	SUPPORT, voltage regulator contact
5	1912159	SCREW, relay armature adjusting
6	1915896	ARMATURE
7	1944590	SCREW, regulator armature adjusting (2)
8	1914816	WASHER, relay armature attaching screw lock (2)
9	1924764	SCREW, relay armature attaching (2)
10	1912176	SPRING, current unit
11	1923517	SPRING, voltage unit
12	1910182	RESISTOR, "F" terminal to ground
13	1910182	RESISTOR, "F" terminal to relay

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
14	1879663	GROMMET (3)
15	1914800	SCREW, terminal (3)
16	1878507	WASHER, insulator regulator contact attaching screw (2)
17	1878503	CLAMP, terminal (3)
18	1922599	INSULATOR, regulator contact attaching screw (2)
19	1878505	WASHER, regulator contact attaching screw lock (2)
20	1878516	SCREW, regulator contact attaching (4)
21	1931887	GASKET, cover
	1933941	LEAD, GROUND
	124818	NUT, shock mount screw (3)
	273485	SCREW, shock mount attaching (3)
	9421423	WASHER, shock mount screw lock (3)
	1910966	PACKAGE, shock mount

Always Give VOLTAGE REGULATOR Number When Ordering Parts.

ELECTRICAL SYSTEM
(DT-407)

HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT
(Hobbs)



IPA-50777 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	313 957 R1	RETAINER, light (4)
2	273 560	UNIT, sealed (4)
3		SHELL (Not Furnished Separately) (4)
4	327 189 R91	HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT ASSY (Optional with 338 814 R91) (4)
	103 028	1/2NF NUT (4)
	103 323	1/2" lock WASHER (4)
	446 229	9/16 x 1-1/4" x 16 ga WASHER (4)
	600 658 C1	WASHER, lower (4)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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RH AUXILIARY REAR LIGHT

604 048 C92	ATTACHMENT, RH rear auxiliary light (not used on units equipped with 110, 260 single drum or 260 double drum cable control units) (See NOTES 1 and 3) (Consists of the following parts -
331 145 R91	BRACKET, auxiliary rear light (used with RH Rear Auxiliary Light ATTACHMENT, 604 048 C91 (*)
271 500	7/16" NUT (4)
179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
103 322	7/16" lock WASHER (4)
330 714 R11	GUARD, auxiliary rear light brush (used with ATTACHMENT, 604 048 C92) (&)
271 500	7/16" NUT (4)
179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
103 322	7/16" lock WASHER (4)
358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (#)
263 514 R91	CLIP, cable (on front inner bolt of rear light bracket) (#)

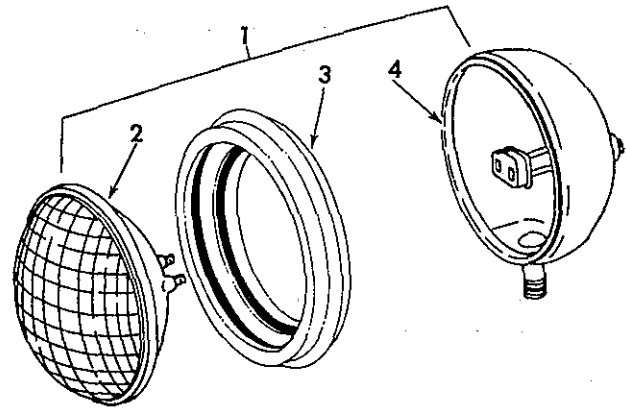
ELECTRICAL SYSTEM
(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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RH AUXILIARY REAR LIGHT - CONTINUED

362 120 R1	CLIP, cable (on top inner bolt on RH of front of fuel tank) (#)
362 120 R1	CLIP, cable (on top and bottom bolts of rear RH seat side sheets) (#) (2)
338 814 R91	LIGHT, auxiliary rear flood (Optional with 327 189 R91) (%)
327 189 R91	LIGHT, auxiliary rear flood (Optional with 338 814 R91) (%)
103 028	1/2NF NUT
103 321	1/2" lock WASHER
330 717 R1	WASHER, upper light mounting
330 718 R1	WASHER, lower light mounting

HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT
(Guide Lamp)



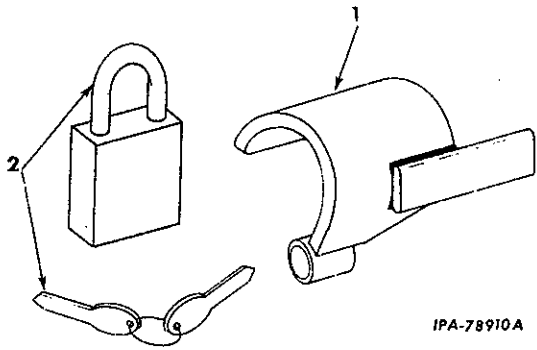
IPA-67725

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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1	338 814 R91	HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT ASSY (Optional with 327 189 R91) (4)
	103 028	1/2NF NUT (4)
	103 321	1/2" lock WASHER (4)
	446 229	9/16 x 1-1/4" x 16 ga WASHER (4)
	600 658 C1	WASHER, lower (4)
2	273 560	UNIT, sealed (4)
3	338 896 R1	RETAINER, light (4)
4		SHELL (Not Furnished Separately) (4)
		(%) - Also Listed and Illustrated with "Headlight, Rear Light and RH Auxiliary Rear Light."
		(&) - Also Listed and Illustrated with "Headlight, Rear Light and RH Auxiliary Rear Light Brush Guards".
		(*) - Also Listed and Illustrated with "Headlight, Rear Light and RH Auxiliary Rear Light Brush Guards".
		(#) - Also Listed and Illustrated with "Electric Starting and Lighting."
		NOTE 1 - Factory Application - Order On Machine Order Form.
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ELECTRICAL SYSTEM
(DT-407)

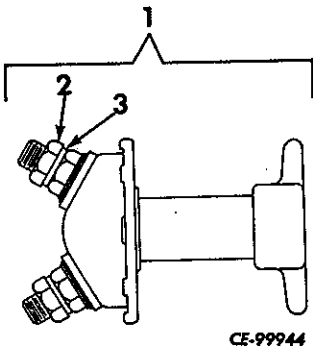
MASTER SWITCH LOCK, AND PADLOCK WITH KEYS



IPA-78910A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	314 751 R31	LOCK, master switch
	109 084	1/4" NUT
	179 800	1/4 x 1-3/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	147 577	1/4" flat WASHER (2)
	314 753 R1	SPACER, master switch lock
	16 558 R1.	WASHER, master switch lock flat
2	650 382 C91	PADLOCK w/keys

MASTER SWITCH
(Delco-Remy)

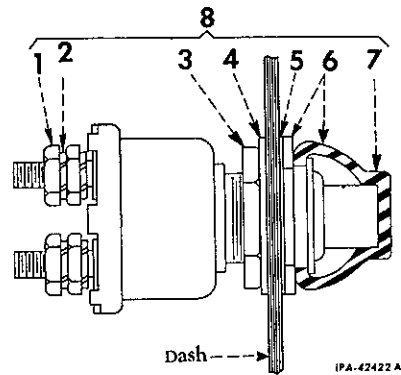


CE-99944

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	1996496	SWITCH ASSY, master
	109084	1/4" NUT
	179795	1/4 x 3/4" hex-hd cap SCREW
	103319	1/4" lock WASHER
2	453787	NUT, terminal (2)
3	9421425	WASHER, terminal nut lock (2)

ELECTRICAL SYSTEM
(DT-407)

STARTING SWITCH
(Delco-Remy) (For Manual Shift Crawler Tractors)

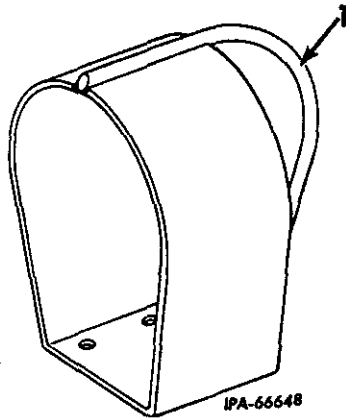


IPA-42422A

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	453433	NUT, terminal (2)
2	453296	WASHER, terminal nut lock (2)
3	1855936	NUT, inner mounting
4	138557	WASHER, lock mounting nut
5	1913828	WASHER, mounting nut plain
6	1956191	NUT w/BOOT, outer mounting
7		BOOT (Not Furnished Separately)
8	1996097	SWITCH ASSY, starting

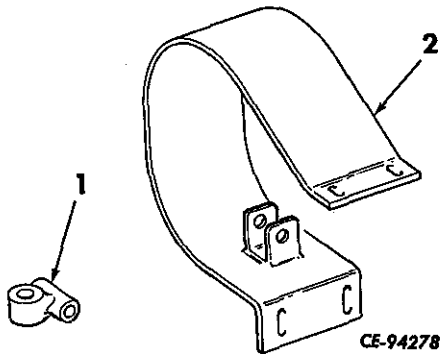
ELECTRICAL SYSTEM
(DT-407)

HEADLIGHT AND REAR LIGHT BRUSH GUARD



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	334 303 R91	ATTACHMENT, lamp guard (See NOTE 3) (Consists of the following parts -
1	330 714 R11	GUARD, light (Also part of Electric Lighting ATTACHMENT, 624 361 C91, 624 363 C91; and RH Auxiliary Rear Light ATTACHMENT, 604 048 C92)
	179 857	7/16 x 7/8" hex-hd cap SCREW (8 required w/front guard)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (4 required w/rear guard)
	103 322	7/16" LOCKWASHER (4 required w/rear guard 8 required w/front guard)
	271 500	7/16" NUT (4 required w/rear guard)

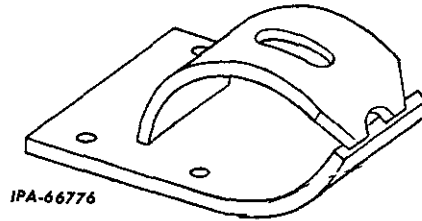
HEADLIGHT AND REAR LIGHT BRUSH GUARD



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	303 706 R1	SWIVEL, light (*) (2)
	179 891	1/2 x 2-1/2" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	102 637	1/2" NUT (2)
2	624 359 C1	GUARD, light (*) (2)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (8)
	103 322	15/32 x 59/64" x 16 ga. WASHER (8)

ELECTRICAL SYSTEM
(DT-407)

HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT BRACKET



REF. NO.	I.H. PART NUMBER	DESCRIPTION
331 145 R91		BRACKET, headlight, rear light and RH auxiliary rear light (not used with headlight and rear light brush guard) (4)
271 500		7/16" NUT (used with RH auxiliary rear light only) (4)
179 857		7/16 x 7/8" hex-hd cap SCREW (used with headlight and rear light) (12)
179 860		7/16 x 1-1/4" hex-hd cap SCREW (used with RH auxiliary rear light only) (4)
103 322		7/16" lock WASHER (16)

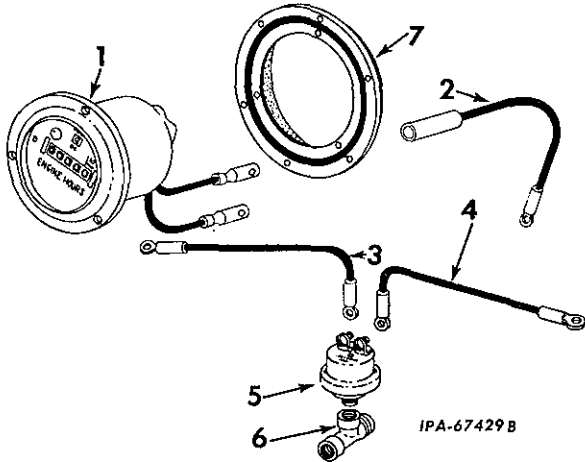
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

(*) - Part of Electric Lighting ATTACHMENT, 624 363 C91.

ELECTRICAL SYSTEM
(DT-407)

HOURLMETER

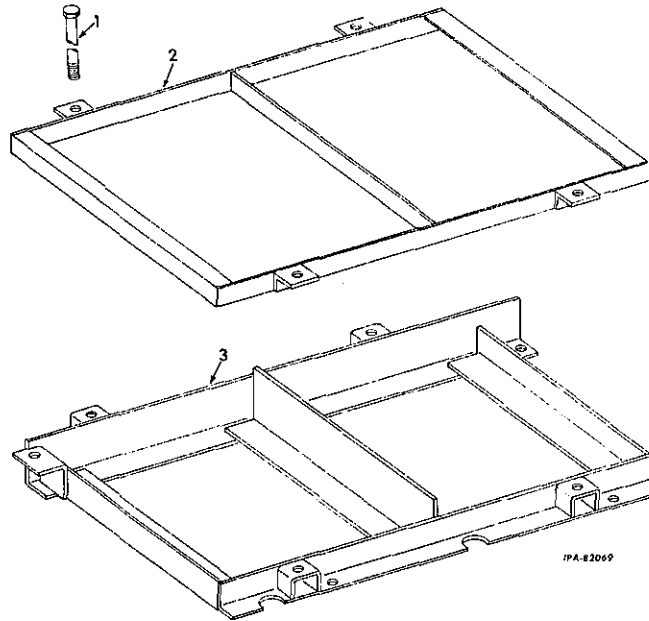
TD-15BP 22001 to 23043
 TD-15EG 22001 to 23039
 TD-15BPS 22001 to 23043
 TD-15BGF 22001 to 23039
 TD-15BGS 22001 to 23039



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	624 552 C91	HOURLMETER
	103 096	No. 6 NUT (3)
	132 705	No. 6 x 1/2" slt-rd-hd SCREW (3)
	114 601	No. 6 lock WASHER (3)
2	267 811 R91	CABLE, positive terminal on ammeter to positive terminal on hourmeter
3	341 874 R91	CABLE, pressure switch to ground
4	341 873 R91	CABLE, feed thru connector to pressure switch
5	132 244 R91	SWITCH, pressure
6	444 253	TEE, 1/8" male x 1/8" female x 7/16" female
7	264 674 R91	DAMPENER, hourmeter vibration
	132 705	No. 6 x 1/2" slt-rd-hd mach SCREW (3)
	131 044	No. 6 lock WASHER (3)
	444 163	ELBOW, 1/8 x 90° street

ELECTRICAL SYSTEM
(DT-407)

BATTERY SUPPORT



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	20 141 R1	BOLT, battery hold down (4)
	103 321	3/8" lock WASHER (4)
	446 212	7/16 x 7/8" x 16 ga (cd or zn-pltd) WASHER (4)
2	603 481 C91	FRAME, battery hold down
3	603 478 C91	SUPPORT, battery
	271 500	7/16" NUT (2)
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	179 859	7/16 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 322	7/16" lock WASHER (2)
	103 342	15/32 x 59/64" x 16 ga WASHER (2)

MISCELLANEOUS

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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GASKET SET

670 325 C93 GASKET SET, cylinder head, includes the following:

- 105 451 GASKET, 3/8" annular (6)
- 670 848 C1 GASKET, exhaust manifold (6)
- 326 818 R1 GASKET, thermostat housing elbow (2)
- 326 820 R1 GASKET, thermostat housing
- 327 755 R1 GASKET, air intake
- 328 678 R1 GASKET, valve cover
- 609 402 C1 GASKET, breather cover
- 670 672 C1 GASKET, cylinder head
- 253 660 R1 GASKET, turbocharger oil inlet
- 369 497 R1 GASKET, turbocharger air outlet
- 341 464 R1 GASKET, turbocharger oil drain
- 670 035 C1 GASKET, turbocharger flange
- 601 076 C1 GASKET, nozzle (6)
- 607 258 C1 GASKET, thermostat housing
- 364 879 R1 "O" RING, injection nozzle dust (7/8 x 1-1/16 x 3/32") (6)
- 915 500 R1 SLEEVE, leakoff tube (6)

670 324 C91 GASKET SET, crankcase, includes the following:

- 59 658 D GASKET, drain plug
- 304 573 R1 GASKET, cranking motor
- 326 580 R1 GASKET, front cover
- 326 582 R1 GASKET, injection pump cover
- 328 731 R1 GASKET, oil pan
- 328 735 R1 GASKET, front plate
- 328 739 R1 GASKET, valve lifter cover (2)
- 328 842 R1 GASKET, injection pump mounting plate
- 328 846 R1 GASKET, flywheel housing
- 601 381 C1 GASKET, oil pump cover
- 328 892 R1 GASKET, water pump
- 332 303 R1 GASKET, seal face plate
- 332 536 R1 GASKET, oil pump mounting
- 332 549 R1 GASKET, oil pump inlet
- 332 544 R1 GASKET, crankcase oil outlet
- 332 555 R1 GASKET, oil cooler inlet and outlet (2)
- 332 566 R1 GASKET, flange
- 337 242 R1 GASKET, cooler header front and rear (2)
- 345 247 R1 GASKET, oil cooler header
- 670 207 C1 GASKET, fuel line connector (12)
- 252 735 R1 "O" RING, equipment pump drive cover
- 384 149 R1 "O" RING, flywheel housing cover

MISCELLANEOUS

(DT-407)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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GASKET SET - CONTINUED

670 324 C91 GASKET SET, crankcase - Continued includes the following - Continued

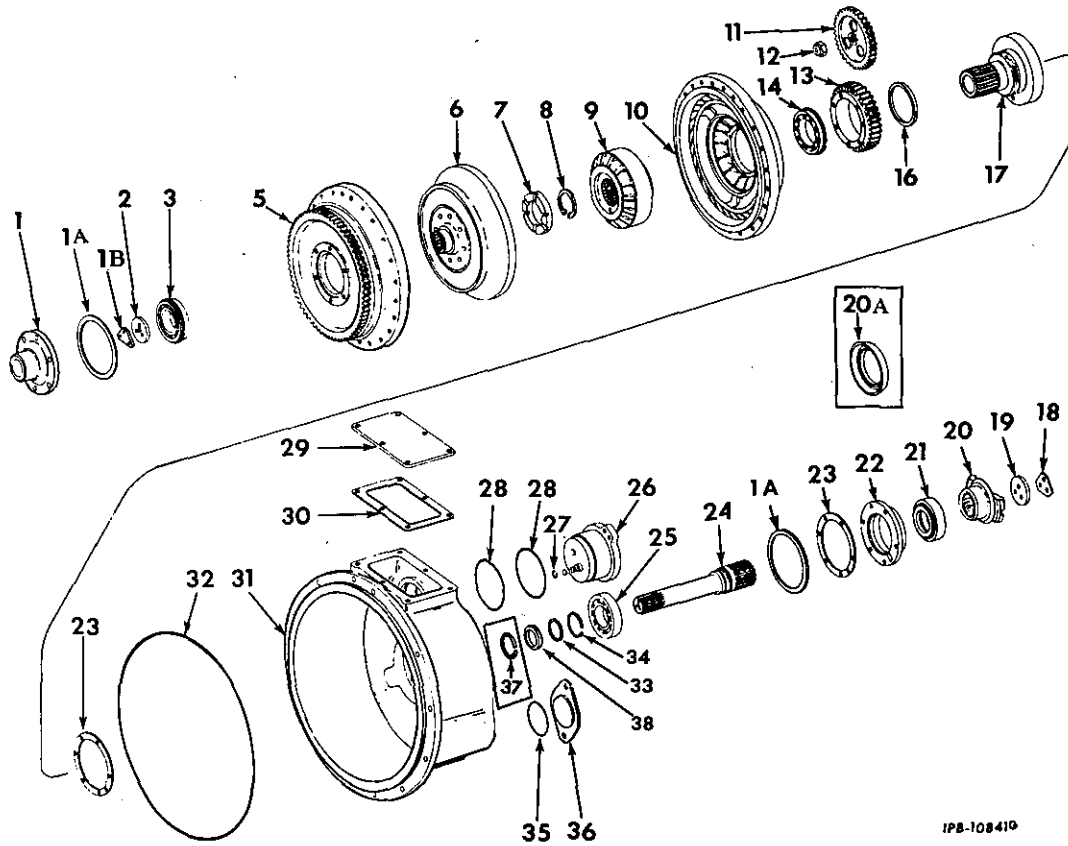
- 382 781 R1 "O" RING, tachometer drive
- 285 253 R1 "O" RING, water pump bearing housing
- 343 396 R2 "O" RING, crankcase to pump tube (2)
- 343 398 R2 "O" RING, cooler to filter tube (2)
- 343 398 R2 "O" RING, filter header to cooler header tube
- 343 398 R2 "O" RING, pump to cooler tube (2)
- 343 831 R1 "O" RING, power take-off drive (2)
- 346 895 R1 "O" RING, injection pump (Roosa-Master)
- 349 055 R2 "O" RING, oil pump safety valve
- 350 818 R1 "O" RING, breather tube
- 343 396 R2 "O" RING, cooler to filter tube (2)
- 360 610 R1 "O" RING, idler gear shaft

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

TORQUE CONVERTER AND RELATED PARTS
(Rockford)

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

TORQUE CONVERTER AND RELATED PARTS - CONTINUED
(Rockford)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for all torque converters listed below. Letters A, B, C and D are used to identify separate torque converters.		
A	343 683 R91	CONVERTER ASSY, torque (Order CONVERTER, 610 251 C92) TD-15BP 6001 to 7389
B	343 683 R92	CONVERTER ASSY, torque (D-30799500-1) (Order CONVERTER, 610 251 C92) TD-15BP 7390 to 20360
C	610 251 C92	CONVERTER ASSY, torque (D-30830000-3) (Will work for CONVERTERS, 343 683 R91 and 343 683 R92) TD-15BP 20361 to 25167 TD-15BPS 20361 to 25167
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (12)
	103 322	7/16" lock WASHER (12)
D	619 820 C91	CONVERTER ASSY, torque (D-31238000-9) TD-15BP 25168 up TD-15BPS 25168 up
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (12)
	103 322	7/16" lock WASHER (12)
I	324 089 R1	HUB, input drive
	179 839	3/8 x 1" hex-hd cap SCREW (6)
	108 580	3/8" heavy lock WASHER (6)
1A	338 972 R1	SHIM, impeller hub or shaft bearing retainer (.005") (X)
1A	347 089 R1	SHIM, impeller hub or shaft bearing retainer (.010") (X)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1A	347 090 R1	SHIM, impeller hub or shaft bearing retainer (.020") (X)
1B	610 256 C1	PLATE, output flange locking (CONVERTER C)
2	324 088 R1	5/16 x 3/4" hex-hd cap SCREW (3)
	9 409 011	WASHER, flange retainer BOLT, 5/16 x 3/4" (3 for Converters A and B)
3	606 260 C91	BEARING, turbine hub
5	324 087 R2	HOUSING, converter drive
6	606 247 C92	TURBINE
7	324 085 R2	SPACER CONVERTER
8	641 207 R1	RING, snap
9	327 129 R92	STATOR
10	327 105 R91	IMPELLER, converter
	9 409 021	BOLT, 5/16NF x 1-1/4" (7)
	9 409 225	BOLT, 5/16 x 1-3/4" (24)
11	603 633 C1	GEAR, input pump drive (together with PUMP, 603 632 C91, will work for GEAR, 338 970 R1, for Converter A, B and C)
X - As Required.		

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS - CONTINUED (Rockford)		
12	19 263 R1	NUT, elastic stop (input pump drive gear retaining)
13	336 033 R1	GEAR, accessory drive
14	606 608 C91	BEARING, impeller hub
16	324 062 R2	RING, ground sleeve hub seal
17	324 061 R1	HUB, ground sleeve (39 T)
18	324 071 R2 179 816	PLATE, output flange locking 5/16 x 3/4" hex-hd cap SCREW (3)
19	324 072 R2	WASHER, flange retainer
20	347 110 R91	FLANGE w/SHIELD, 347 091 R1, output (Order PACKAGE, 610 258 C91) (Converter A and B)
20	610 255 C91	FLANGE w/SHIELD, 347 091 R1, output (Order FLANGE, 619 733 C1) (Converter C)
20	619 733 C1	FLANGE, output (Converter C and D)
20A	347 091 R1	SHIELD, dust (Used with FLANGE, 610 255 C91 and FLANGE, 347 110 R91)
21	324 067 R92	SEAL, output shaft bearing (Converter A and B)
21	333 996 R92	SEAL, output shaft bearing (Converter C and D)
22	343 696 R1	RETAINER, output shaft bearing (Order PACKAGE, 610 258 C91) (Converter A and B)
22	610 254 C1 179 846 103 321	RETAINER, output shaft bearing (Converter C and D) 3/8 x 1-7/8" hex-hd cap SCREW (6) 3/8" heavy lock WASHER (6)
23	324 069 R1	GASKET, output shaft bearing retainer (2)
24	889 614 C1	SHAFT, turbine output (together with SPACER, 889 615 C1 will work for 606 248 C1 or 336 771 R1)
25	606 265 C91	BEARING, output shaft ball
26	603 632 C91	PUMP, input (together with GEAR, 603 633 C1, will work for PUMP, 338 969 R91, for Converter A) (Converter B and C)
26	603 642 C91 179 842 103 321	PUMP, input (Converter D) 3/8 x 1-3/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
27	338 965 R1	RING, input pump drive gear snap (Converter A)
28	336 970 R1	"O" RING, input pump (4.359 x 4.637 x 1.39") (2)
29	625 854 C1 179 879 103 323	COVER, pump inspection 1/2 x 3/4" hex hd. CAPSCREW 1/2 " heavy lock WASHER (6)
30	627 396 C1	GASKET, pump inspection cover
31	625 853 C1	HOUSING, (together w/COVER, 625 854 C1, GASKET, 627 396 C1, six SCREW, 179 879 and six WASHER, 103 323 will work for HOUSING, 343 695 R1) converter
32	321 988 R1	"O" RING, torque converter to flywheel housing (19.725 x 20.145 x .210") (see NOTE)

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS - CONTINUED (Rockford)		
33	324 065 R1	RING, output shaft piston hook type seal
34	336 971 R1	RING, output shaft external snap
35	343 927 R1	"O" RING, power take off cover (5 x 5-1/4 x 1/8")
36	326 650 R11 271 554 103 325	COVER, power take-off 5/8 x 1" hex-hd cap SCREW (2) 5/8" lock WASHER (2)
37	606 258 C1	RING, turbine hub snap (used with SHAFT, 606 248 C1)
	338 738 R1	BREATHER, filter (Not used on Units equipped with "Main Frame and Sprocket Drive Venting")
38	889 615 C1	SPACER (used w/SHAFT, 889 614 C1)
	610 258 C91	PACKAGE, output flange field service (Converter A and B) (Consists of - 1 FLANGE 619 733 C1 1 GASKET 324 069 R1 1 PLATE 324 071 R2 1 RETAINER 610 254 C1 1 SEAL 333 996 R92 1 WASHER 324 072 R2)
	603 569 C1	PLUG, input pump body (used on PUMP, 338 969 R91)

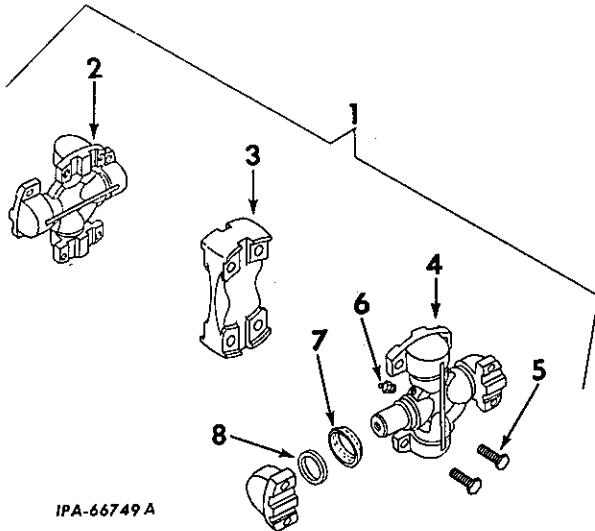
NOTE - Not Part of "Converter Assembly"

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

MEMORANDA

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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"U" JOINT
(Mechanics)



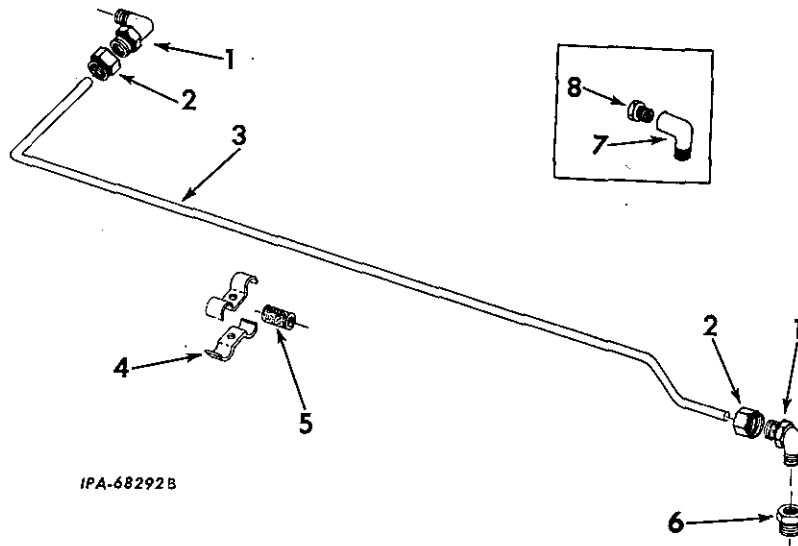
REF. NO.	I.H. PART NUMBER	DESCRIPTION
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1	336 237 R93	"U" JOINT ASSEMBLY
2	317 713 R92	SPIDER w/BEARINGS
3	347 188 R1	PLATE, coupling
4	338 923 R92	SPIDER w/BEARINGS
5	338 924 R1	SCREW, counterbore (4)
6	110 146 R91	FITTING, 1/4" straight lubrication (Alemite 1792B) (optional with 102 467 H) (2)
6	102 467 H	FITTING, 1/4" straight lubrication (Lincoln 5042) (optional with 110 146 R91) (2)
7	37 335 H	SHIELD, dust (8)
8	305 109 R91	RETAINER and SEAL (8)
	334 690 R1	BOLT, universal joint (8)
	278 025 R1	WIRE, bulk locking (12GA) Universal Joint Bolt (Customer must specify length required) (X)
	278 027 R1	WIRE, bulk locking (16GA) Counter Bore Screw (Customer must specify length required) (X)

X - As Required.

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

TORQUE CONVERTER VENT TUBE AND CONNECTIONS
TD-15BP 6326 up
TD-15BPS 9371 up



IPA-68292B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	606 845 C1	ELBOW, torque converter vent tube (used with TUBE, 607 847 C11) (2)
2	265 205 R1	NUT, torque converter vent tube elbow (used with TUBE, 607 847 C11) (2)
	265 204 R1	SLEEVE, torque converter vent tube (2)
3	607 847 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 (together with one ELBOW, 606 845 C1 will work for 341 937 R1) torque converter vent

TORQUE CONVERTER
(For Power Shift Crawler Tractors)

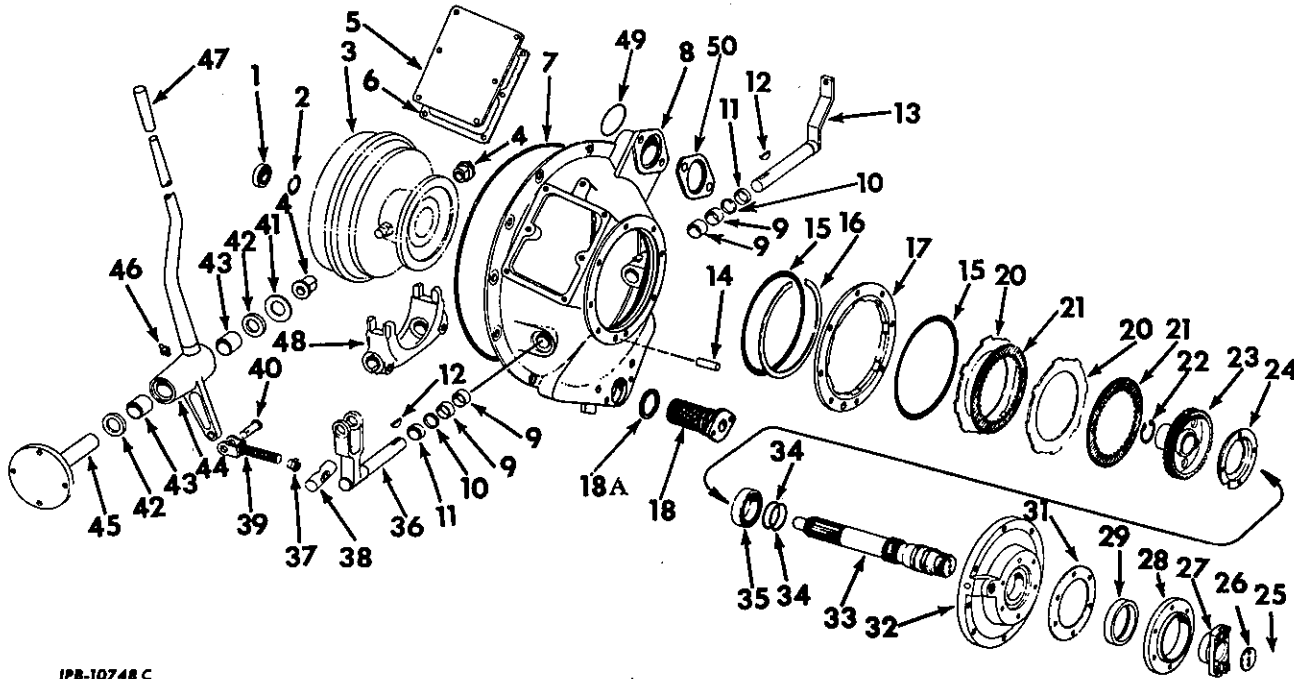
TORQUE CONVERTER VENT TUBE AND CONNECTIONS — CONTINUED
TD-15BP 6326 up
TD-15BPS 9371 up

REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	66 362 D 262 038 R1 113 992	CLAMP, torque converter vent tube (2) NUT, torque converter vent tube clamp 1/4 x 7/8" mach SCREW
5	272 941 R1	CUSHION, torque converter vent tube (2)
6	144 047	REDUCER, 1/4 x 3/4" torque converter vent tube (in converter)
7	37 323 D	ELBOW, torque converter vent tube (Used with TUBE, 341 937 R1) (2)
8	37 165 D	NUT, torque converter vent tube elbow (Used with TUBE, 341 937 R1) (2)

ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

CLUTCH, LEVER AND RELATED PARTS



IPB-10748 C

ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

CLUTCH, LEVER AND RELATED PARTS - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	ST 225 B	BEARING, clutch shaft pilot
2	336 000 R1	RING, clutch retaining (2)
3		CLUTCH (for components see list of parts under details of "Clutch")
	22 845 R1	1/2 x 3-1/2" hex-hd cap SCREW (12)
	232 360 R1	WASHER, clutch mounting (12)
4	42 298 DB	BUSHING, clutch release shaft shifter pin (2)
5	334 524 R1	COVER, inspection hole
	179 858	7/16 x 1" hex-hd cap SCREW (6)
	103 322	7/16" lock WASHER (6)
6	334 525 R1	GASKET, inspection hole cover
7	321 988 R1	RING, clutch housing to flywheel housing sealing
8	345 604 R91	HOUSING w/four BUSHING, 263 696 R1, PIN, 19 942 R1, clutch
	179 861	7/16 x 1-3/8" hex-hd cap SCREW
	103 322	7/16" lock WASHER (12)
9	263 696 R1	BUSHING, engine clutch release shaft (4)
10	333 998 R91	SEAL, engine clutch release shaft (X)
11	336 016 R1	RING, oil seal wear (optional with 347 392 R1) (2)
11	347 392 R1	RING, oil seal wear (optional with 336 016 R1) (2)
12	114 745	KEY, clutch fork and release shaft (2)
13	334 554 R12	SHAFT w/RING, 336 016 R1, RH engine clutch release
14	19 942 R1	PIN, locating
15	254 092 R1	"O" RING, retainer (10 x 10-1/4 x 1/8") (2)
16	334 527 R1	RING, clutch brake disc retaining
17	331 815 R1	RETAINER, outer drive ring
18	603 230 C92	STRAINER, clutch sump
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)

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(Rev. No. 1 10-71)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
18A	346 739 R1	"O" RING, 2-1/2 x 2-7/8 x 3/16" clutch sump strainer
20	324 452 R1	PLATE, external spline clutch brake (3)
21	324 456 R1	PLATE, internal spline clutch brake (3)
22	202 307 R1	RING, clutch brake hub retaining
23	331 814 R1	HUB, clutch brake
24	334 534 R1	RETAINER, clutch shaft rear bearing
	102 595	3/8 x 3/4" soc-hd mach SCREW (4)
	114 606	3/8" external tooth lock WASHER (4)
25	334 535 R1	PLATE, bolt lock
	179 857	7/16 x 7/8" hex-hd cap SCREW (2)
26	345 605 R1	PLATE, clutch shaft end
27	610 708 C1	YOKE, clutch drive (together with GASKET, 334 529 R1, RETAINER, 611 247 C1 and SEAL, 610 712 C91 will work for YOKE, 334 533 R1)
28	611 247 C1	RETAINER, clutch shaft rear seal (together with GASKET, 334 529 R1, SEAL, 610 712 C91 and YOKE, 610 708 C1 will work for COVER, 334 530 R1)
	179 858	7/16 x 1" hex-hd cap SCREW (6)
	103 322	7/16" lock WASHER (6)
29	324 392 R92	SEAL, clutch shaft rear
		(Order the following parts -
	1	YOKE 610 708 C1
	1	SEAL 610 712 C91
	1	RETAINER 611 247 C1
	1	GASKET 334 529 R1)
29	610 712 C91	SEAL, clutch shaft rear
		TD-15BG 7260 to 20925
		TD-15B(Agr)BGA 7260 to 20925
		TD-15BG 20926 up
		TD-15B(Agr)BGA 20926 to 25000
		TD-15B(Custom)BGA 25001 up
		TD-15BGF 21281 up
		TD-15BGS 21676 up

X - As Required.

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ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

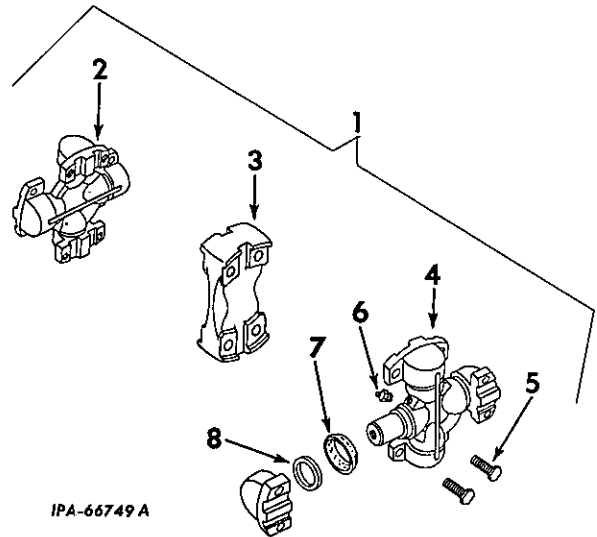
REF. NO.	I.H. PART NUMBER	DESCRIPTION
CLUTCH, LEVER AND RELATED PARTS - Continued		
31	334 529 R1	GASKET, clutch rear seal cover
32	331 813 R1 179 866 444 660 103 322	COVER, clutch housing end 7/16 x 2" hex-hd cap SCREW (8) PLUG, 3/8NPT 7/16" lock WASHER (8)
33	331 811 R3 444 654	SHAFT, clutch PLUG, 1/4" pipe
34	336 001 R1	RING, clutch shaft sealing (2)
35	317 946 R91	BEARING, clutch shaft rear
36	334 553 R91	SHAFT w/RING, 336 016 R1, LH engine clutch release TD-15BG, TD-15B(Agr)BGA, TD-15BGF, and TD-15BGS 7260 to 21607, also 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628
36	611 454 C91	SHAFT w/RING, 336 016 R1, LH engine clutch release TD-15BG, TD-15BGF, and TD-15BGS 21608 up, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15B(Agr)BGA 21608 to 25000, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15B(Custom)BGA 25001 up
37	277 549 R1	NUT, engine clutch operating link lock
38	604 174 C1 109 462	PIN, engine clutch release shaft FITTING, engine clutch release shaft (2)
39	278 847 R1	LINK, engine clutch operating
40	103 499 103 385	PIN, engine clutch operating link 1/8 x 1" cotter PIN
41	49 068 K 103 389	WASHER, engine clutch hand lever 1/8 x 2" cotter PIN (used with SHAFT, 603 338 C1)
	69 339 R1	RING, engine clutch hand lever snap (used with SHAFT, 603 338 C2)
42	327 364 R91	SEAL, hand lever hub (2)
43	318 588 R1	BUSHING, engine clutch hand lever (used with LEVER, 624 990 C1)
43	95 373 R2	BUSHING, engine clutch hand lever (used with LEVER, 603 340 C92)
44	624 990 C92	LEVER w/two BUSHING, 95 373 R2, BUSHING, 318 588 R1 and HANDLE, 619 405 C1, engine clutch hand (used with Custom Crawler Tractor)
44	603 340 C92	LEVER w/two BUSHING, 95 373 R2, BUSHING, 318 588 R1 and HANDLE, 619 405 C1, engine clutch hand (used with Gear Drive, Agr, Side Boom and Back Filler Crawler Tractors)
45	603 338 C2 103 028 179 884 103 323	SHAFT, engine clutch hand lever (together with RING, 69 339 R1 will work for SHAFT, 603 338 C1) 1/2" NUT (4) 1/2 x 1-3/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
46	271 285	FITTING, 1/8 x 90° engine clutch hand lever hub lubrication (Alemite 1613B) (optional with 109 462)
46	109 462	FITTING, 1/8 x 90° engine clutch hand lever hub lubrication (Lincoln 5400) (optional with 271 285)

ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
CLUTCH LEVER AND RELATED PARTS - Continued		
47	619 405 C1	HANDLE, engine clutch hand lever
48	260 919 R4 271 558	FORK, clutch release 5/8 x 1-1/2" hex-hd cap SCREW (2)
49	370 944 R1	"O" RING, 1-3/8 x 1-1/2 x 1/16" pump drive seal
50	345 606 R1	GASKET, hydraulic pump
	468 335 R1	"O" RING, 3-3/8 x 3-3/4 x 3/16" clutch sump

"U" JOINT
(Mechanics)



IPA-66749 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	336 237 R93 334 690 R1	"U" JOINT ASSEMBLY BOLT, universal joint (8)
2	317 713 R92	SPIDER w/BEARINGS
3	347 188 R1	PLATE, coupling
4	338 923 R92	SPIDER w/BEARINGS
5	338 924 R1	SCREW, counter-bore (4)
6	110 146 R91	FITTING, 1/4" straight lubrication (Alemite 1792B) (optional with 102 467 H) (2)
6	102 467 H	FITTING, 1/4" straight lubrication (Lincoln 5042) (optional with 110 146 R91) (2)
7	37 335 H	SHIELD, dust (8)
8	305 109 R91	RETAINER and SEAL (8)
	278 025 R1	WIRE, bulk locking (12 ga) (universal joint bolt) (customer must specify length required) (X)
	278 027 R1	WIRE, bulk locking (16 ga) (counter-bore screw) (customer must specify length required) (X)

X - As Required.

ENGINE CLUTCH

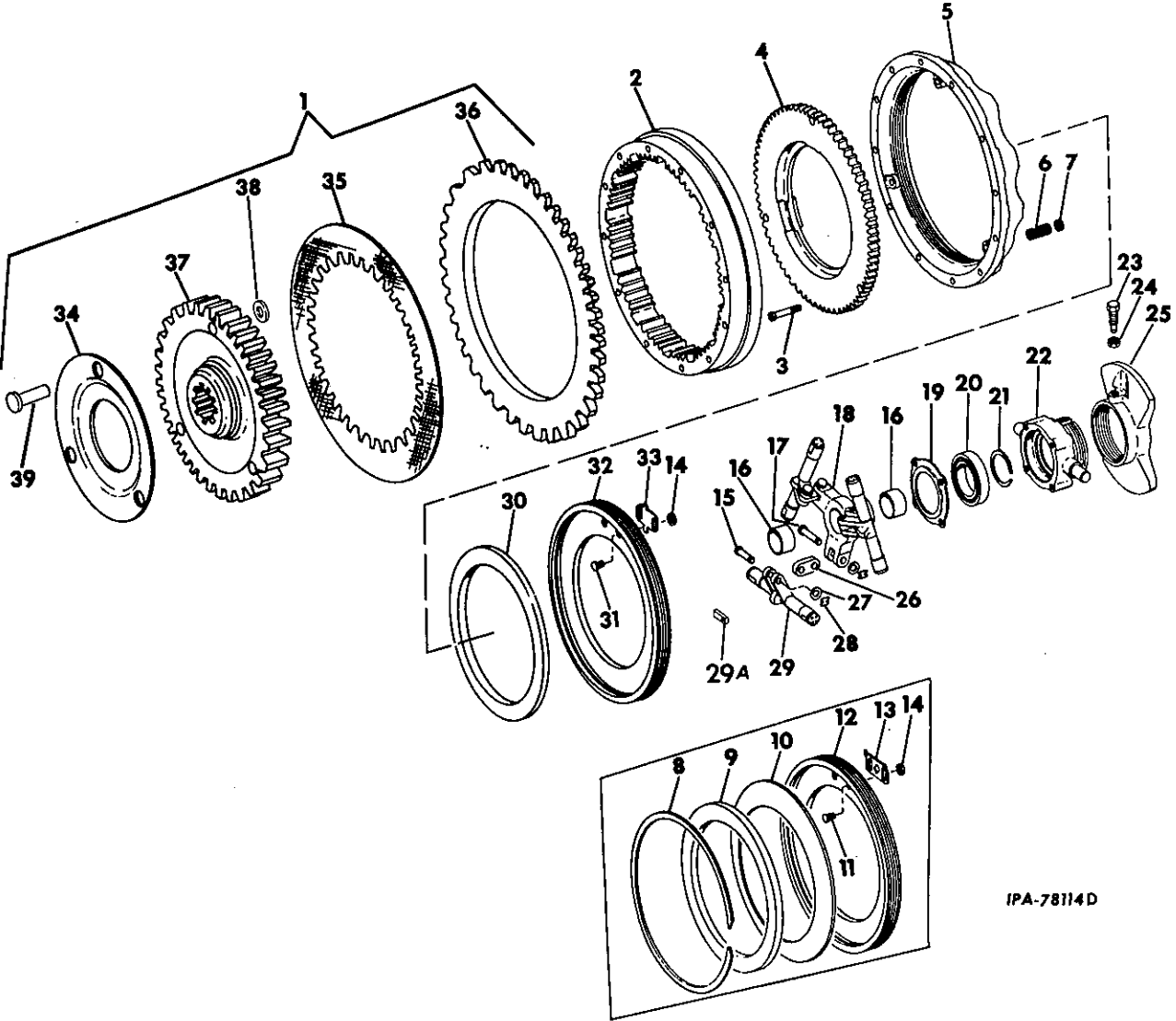
(FOR MANUAL SHIFT CRAWLER TRACTORS)

CLUTCH
(Rockford)

ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

CLUTCH - CONTINUED
(Rockford)



IPA-78114D

ENGINE CLUTCH

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CLUTCH (Rockford)		
Parts without letters after the description indicate the part is used for all Ring Assy's listed below. Letters A and B are used to identify separate Ring Assy's.		
A	347 512 R91	RING ASSY, clutch cover and drive (UCLA-11964-A) (order RING ASSY, 702 223 C91 TD-15BG 7260 to 20083 TD-15B(Agr)BGA 7260 to 20083)
B	610 201 C91	RING ASSY, clutch cover and drive (UCL-1-11964-A) (order RING ASSY, 702 223 C91 TD-15BG 20084 to 21396 TD-15B(Agr)BGA 20084 to 21396)
C	702 223 C91	RING ASSY, clutch cover and drive (UCLA-2-11964-A) (will work for RING ASSY, 610 201 C91 and RING ASSY, 347 512 R91) TD-15BG 21397 up TD-15B(Agr)BGA 21397 to 25000 TD-15B(Custom)BGA 25001 up TD-15BCF 21281 up TD-15BGS 21676 up
1	610 215 C91	DISC ASSY (will work for DISC PACK 347 513 R91) pack and center (*) TD-15BG 20249 up TD-15B(Agr)BGA 20249 to 25000 TD-15B(Custom)BGA 25001 up TD-15BGF 21281 up TD-15BGS 21676 up
2	347 834 R1 179 820 103 320	RING, drive 5/16 x 1-1/4" hex-hd cap SCREW (3) 5/16" lock WASHER (3)
3	324 964 R1	SCREW, fil-hd cap (3)
4	324 961 R1 261 106 R1 114 604	PLATE, pressure BOLT, fil-hd (6) 1/4" WASHER (Shakeproof) (6)
5	347 828 R1	PLATE, back
6	347 830 R1	SPRING, return (3)
7	261 069 R1	NUT, lock (3)
8	273 251 R1	RING, retaining (Ring Assy A)
9	324 982 R1	PLATE, adjusting (Ring Assy A)
10	273 250 R1	WASHER, bellville (Ring Assy A)
11	347 833 R1	SCREW, 3/8NF x .59" adjustment lock (Ring Assy A) (2)
12	347 832 R1	RING, adjusting (Ring Assy A) (Order the following parts - 1 LOCK 610 203 C1 2 NUT 114 494 1 PLATE 31 238 DA 1 RING 55 371 DA 2 SCREW 610 204 C1 2 WASHER 610 205 C1)
13	603 896 C1	LOCK, adjustment (Ring Assy A)
14	114 494	NUT, 3/8NF (2)
15	319 620 R1	PIN, connecting link (short) (3)
16	26 039 DA	BUSHING, release sleeve (2)
17	319 619 R1	PIN, connecting link (long) (3)
18	347 824 R91	SLEEVE w/two BUSHING, 26 039 DA, release

ENGINE CLUTCH

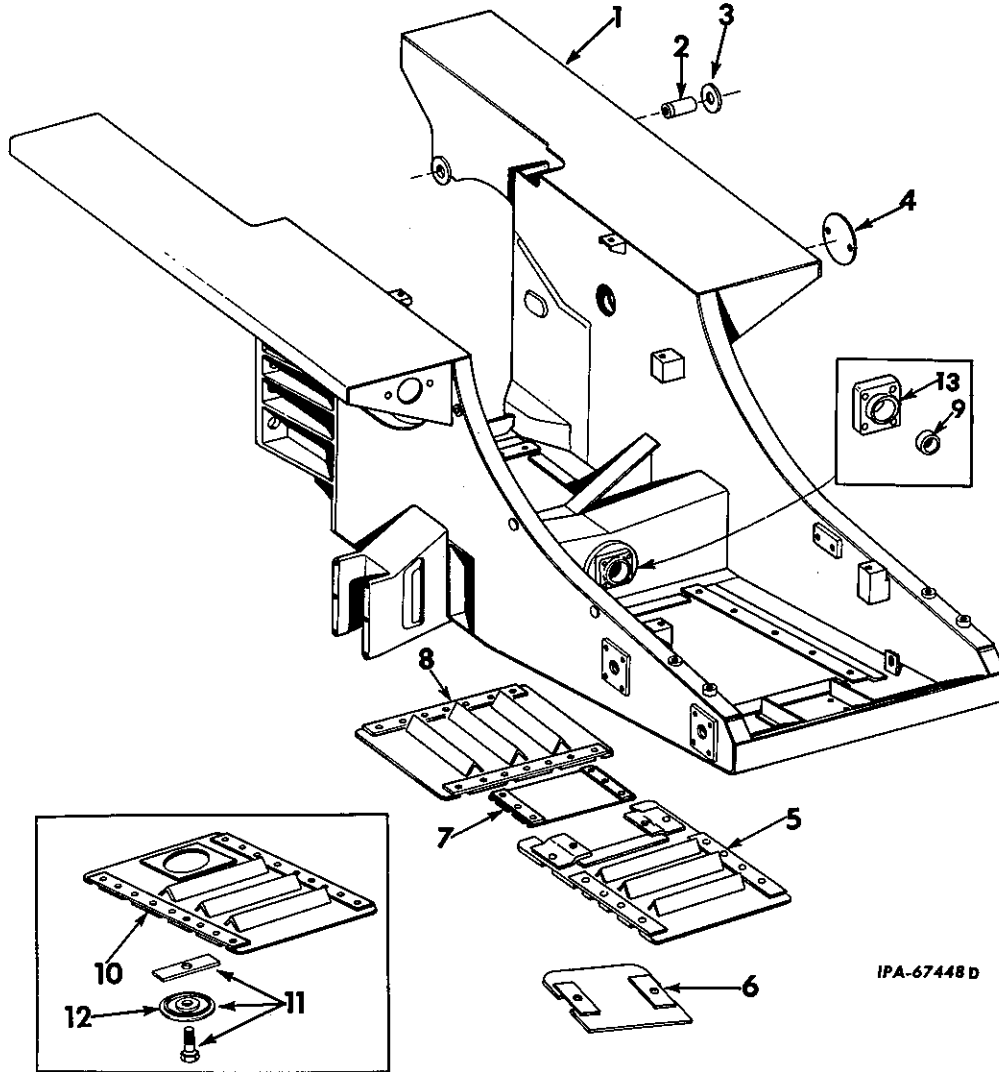
(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
CLUTCH - CONTINUED (Rockford)		
19	31 242 DA 442 692	PLATE, bearing carrier 5/16 x 5/8" hex-hd cap SCREW w/lock WASHER (4)
20	590 954 R91	BEARING, ball
21	29 780 D	RING, external snap
22	347 831 R1	CARRIER, bearing
23	347 835 R1	SCREW, camblock adjusting
24	261 069 R1	NUT, 1/2" jam
25	347 825 R91	DISC w/NUT and SCREW, 347 835 R1, brake
26	43 207 D	LINK, connecting (3)
27	615 029 R1	WASHER, plain (6)
28	267 689 R1	WASHER, "X" (connecting link pin) (6)
29	702 324 C1	PACKAGE, camshaft
29A	267 665 R91	CAMBLOCK (set of 6) (Consists of six CAMBLOCKS, six SCREW 261 106 R1 and six LOCKWASHER SCREW, special (6) 1/4" ext-tooth lock WASHER (6)
	261 106 R1 114 604	
30	31 238 DA	PLATE, adjusting (Ring Assy B and C)
31	610 204 C1 610 205 C1	SCREW, 3/8NF x .72" adjustment lock (Ring Assy B and C) (2) WASHER, plain (Ring Assy B and C) (2)
32	55 371 DA	RING, adjusting (Ring Assy B and C)
33	610 203 C1	LOCK, adjustment (Ring Assy B and C)
34	610 217 C1	COVER, hub (*) TD-15BG 20249 up TD-15B(Agr)BGA 20249 to 25000 TD-15B(Custom)BGA 25001 up TD-15BGF 21281 up TD-15BGS 21676 up
35		DISC w/FACING (order 3 of 610 220 C91) TD-15BG 7260 to 20248 TD-15B(Agr)BGA 7260 to 20248
35	610 220 C91	DISC w/FACING, inner (*) (3) TD-15BG 20249 up (3) TD-15B(Agr)BGA 20249 to 25000 (3) TD-15B(Custom)BGA 25001 up (3) TD-15BGF 21281 up (3) TD-15BGS 21676 up
36	610 221 C1	DISC, outer (*) (2) TD-15BG 20249 up (2) TD-15B(Agr)BGA 20249 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
37	610 216 C1	CENTER, splined (*) TD-15BG 20249 up TD-15B(Agr)BGA 20249 to 25000 TD-15B(Custom)BGA 25001 up TD-15BGF 21281 up TD-15BGS 21676 up
38	610 219 C1	WASHER (*) (3) TD-15BG 20249 up (3) TD-15B(Agr)BGA 20249 to 25000 (3) TD-15B(Custom)BGA 25001 up (3) TD-15BGF 21281 up (3) TD-15BGS 21676 up
39	610 218 C1	RIVET (*) (3) TD-15BG 20249 up (3) TD-15B(Agr)BGA 20249 to 25000 (3) TD-15B(Custom)BGA 25001 up (3) TD-15BGF 21281 up (3) TD-15BGS 21676 up

(*) - Not furnished as part of Ring Assy, 347 512 R91, Ring Assy, 610 201 C91 or Ring Assy, 702 223 C91.

FRAME

FRONT FRAME



IPA-67448D

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	331 904 R91	FRAME, front (not for sideboom crawler tractors) (See NOTE) TD-15BP 6001 to 6768 (Order the following parts -
	1	DOOR 604 978 C11
	1	DOOR 607 607 C11
	1	FRAME 607 725 C91
	2	PLATE 603 282 C1
	1	SHAFT 603 279 C1
	8	SCREW, 5/8 x 1-1/2" hex-hd cap 271 558
	12	SCREW, 5/8 x 1-1/8" hex-hd cap 271 555)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	341 742 R91	FRAME, front (not for sideboom crawler tractors) (See NOTE) TD-15BP 6769 to 7828 TD-15BG 7260 to 7828 TD-15B(Agr)BGA 7260 to 7828 (Order the following parts -
	1	DOOR 604 978 C11
	1	DOOR 607 607 C11
	1	FRAME 607 725 C91
	2	PLATE 603 282 C1
	1	SHAFT 603 279 C1
	8	SCREW, 5/8 x 1-1/2" hex-hd cap 271 558
	12	SCREW, 5/8 x 1-1/8" hex-hd cap 271 555)

NOTE: Service Frames Will Be Available On Special Order Only On Clearance With Engineering Department.

FRAME

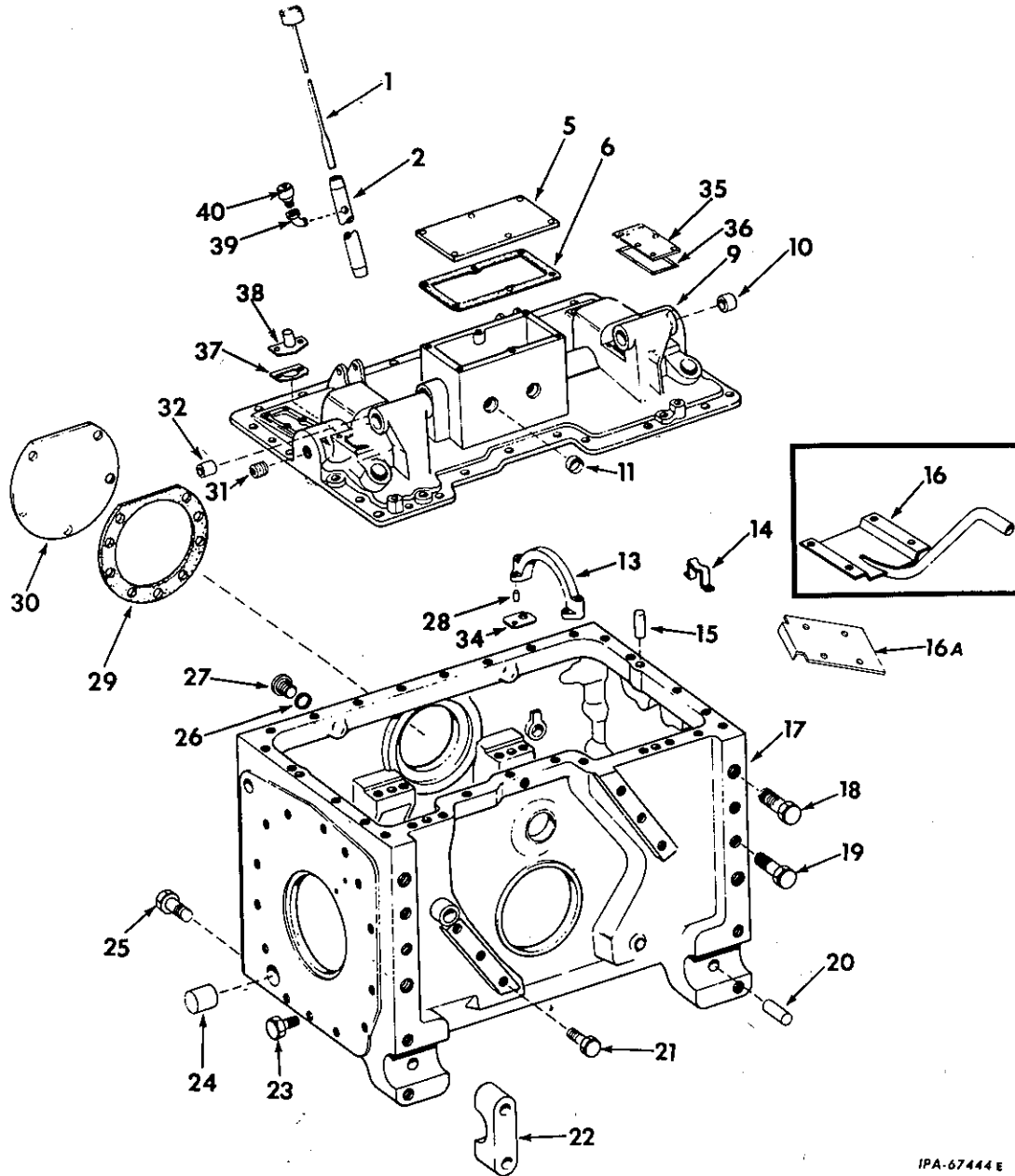
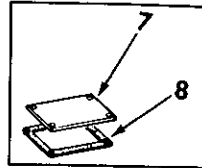
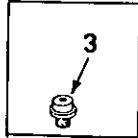
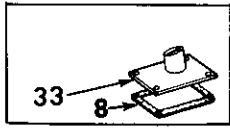
REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT FRAME - CONTINUED		
1	603 434 C91	FRAME w/two BUSHING, 603 281 C1, front (not for sideboom crawler tractors) (See NOTE) TD-15BP 7829 to 9330 TD-15BG 7829 to 9330 TD-15B(Agr)BGA 7829 to 9330 (Order the following parts - 1 DOOR 604 978 C11 1 DOOR 607 607 C11 1 FRAME 12 SCREW, 5/8" x 1-1/8" hex-hd cap 271 555)
1	607 725 C91	FRAME w/two BUSHING, 603 281 C1, front (not for sideboom crawler tractors) (See NOTE) TD-15BP 9331 to 21634 TD-15BG and TD-15B(Agr)BGA 9331 to 21607, also 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628
1	611 456 C91	FRAME w/two BUSHING, 603 281 C1, front (not for sideboom or backfiller crawler tractors) (see NOTE) TD-15BP 21635 to 25000 TD-15BG and TD-15B(Agr)BGA 21608 to 25000, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15B(Custom)BGA 25001 up
1	620 270 C91	FRAME w/two BUSHING, 603 281 C1, front (not for sideboom crawler tractors) (See NOTE) TD-15BP 25001 up TD-15BG 25001 up
1	607 655 C91	FRAME, front (for sideboom tractor) (See NOTE) TD-15BPS 9371 to 21634
1	611 426 C91	FRAME, front (for sideboom and backfiller crawler tractors) (See NOTE) TD-15BPS 21635 up TD-15BGF 21281 up TD-15BGS 21676 up
	20 321 R1	BOLT, upper frame mounting (will work for 1-1/4NF NUT AND STUD, 334 836 R2) (4) TD-15BP 6001 to 22286 TD-15BG 7260 to 22286 TD-15B(Agr)BGA 7260 to 22286 TD-15BPS 9371 to 22286 TD-15BGF 21281 to 22286 TD-15BGS 21676 to 22286
	271 549	BOLT, 1 x 2-1/2" lower frame mounting (will work for 1NF NUT AND STUD, 334 837 R2) (4) TD-15BP 6001 to 22286 TD-15BG 7260 to 22286 TD-15B(Agr)BGA 7260 to 22286 TD-15BPS 9371 to 22286 TD-15BGF 21281 to 22286 TD-15BGS 21676 to 22286
	23 388 R1	BOLT, front frame (4) TD-15BPS 22287 up TD-15BGF 22287 up TD-15BGS 22287 up
	317 034 R1	BOLT, front frame (4) TD-15BPS 22287 up TD-15BGF 22287 up TD-15BGS 22287 up
	620 141 C1	WASHER, hardened (4) TD-15BPS 22287 up TD-15BGF 22287 up TD-15BGS 22287 up
	620 142 C1	WASHER, hardened (4) TD-15BPS 22287 up TD-15BGF 22287 up TD-15BGS 22287 up
2	325 655 R2	DOWEL, front frame to rear frame (2)

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT FRAME - CONTINUED		
3	325 656 R1 271 621 R1	RETAINER, dowel (2) BOLT (2)
4	338 007 R1 102 637 179 883 103 323	PLATE, clutch mounting hole cover 1/2" NUT (2) 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
5	607 607 C11 271 555	DOOR, front (order DOOR, 624 558 C1 and DOOR, 624 561 C1) TD-15BP 9331 to 25492 TD-15BG 9331 to 25492 TD-15B(Agr)BGA 9331 to 25000 TD-15BPS 9371 to 25492 TD-15BGF 21281 to 25492 TD-15BGS 21676 to 25492 5/8 x 1-1/8" hex-hd cap SCREW (10)
5	624 558 C1 271 555	DOOR, front, front frame bottom 5/8 x 1-1/8" hex-hd cap SCREW TD-15BP 25493 up TD-15BG 25493 up TD-15B(Custom)BGA 25001 up TD-15BPS 25493 up TD-15BGF 25493 up TD-15BGS 25493 up
6	604 978 C11 271 555	DOOR, oil pan (order DOOR, 624 558 C1 and DOOR, 624 561 C1) TD-15BP 9331 to 25492 TD-15BG 9331 to 25492 TD-15B(Agr)BGA 9331 to 25000 TD-15BPS 9371 to 25492 TD-15BGF 21281 to 25492 TD-15BGS 21676 to 25492 5/8 x 1-1/8" hex-hd cap SCREW (2)
6	624 561 C1 271 560	DOOR, oil pan 5/8 x 1-3/4" hex-hd cap SCREW (4) TD-15BP 25493 up TD-15BG 25493 up TD-15B(Custom)BGA 25001 up TD-15BPS 25493 up TD-15BGF 25493 up TD-15BGS 25493 up
7	334 167 R11 271 554	DOOR, center (order DOOR, 334 394 R21) 5/8 x 1" hex-hd cap SCREW (4)
7	334 394 R21 271 605	DOOR, center (will work for 334 167 R11) 3/4 x 1-1/4" hex-hd cap SCREW (4)
8	331 901 R13 271 555	DOOR, rear 5/8 x 1-1/8" hex-hd cap SCREW (8)
9	603 281 C1	BUSHING, equalizer bar pivot shaft support (not for sideboom crawler tractors) (2) TD-15BP 7829 up TD-15BG 7829 up TD-15B(Agr)BGA 7829 to 25000 TD-15B(Custom)BGA 25001 up TD-15BGF 21281 up
10	334 164 R12 271 554	DOOR, front TD-15BP 6001 to 9330 TD-15BG 7260 to 9330 TD-15B(Agr)BGA 7260 to 9330 5/8 x 1" hex-hd cap SCREW (10)
11	67 574 DC	COVER w/SUPPORT, 42 877 DB, hand hole TD-15BP 6001 to 9330 TD-15BG 7260 to 9330 TD-15B(Agr)BGA 7260 to 9330
12	42 877 DB 179 885	SUPPORT, hand hole cover TD-15BP 6001 to 9330 TD-15BG 7260 to 9330 TD-15B(Agr)BGA 7260 to 9330 1/2 x 1-1/2" hex-hd cap SCREW
13	603 280 C1	HUB, equalizer bar pivot shaft (2) NOTE: Service Frames Will Be Available On Special Order Only On Clearance With Engineering Department.

FRAME

REAR FRAME, COVER AND RELATED PARTS
(Not For Custom Crawler Tractors)



IPA-67444 E

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PART - CONTINUED (Not For Custom Crawler Tractors)		
1	609 954 C21	DIPSTICK, rear frame oil level (not used with 1540 hydraulic control unit)
1	609 955 C21	DIPSTICK, rear frame oil level (used with 1540 hydraulic control unit)
2	616 237 C1	PIPE, rear frame oil level (together with BREATHER, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576 will work for PIPE, 452 899) (not used on 1540 hydraulic control unit)
2	616 236 C1	PIPE, rear frame oil level (together with BREATHER, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576 will work for PIPE, 604 155 C1) (used with 1540 Hydraulic Control Unit)
3	470 921 R91	FILTER, breather (not used on units equipped with "MAIN FRAME AND SPROCKET DRIVE VENTING") TD-15BP 6001 to 6298
5	616 235 C1	COVER, planetary inspection (together with BREATHER, 324 042 R91 and ELBOW, 105 423 will work for COVER, 325 419 R11)
	179 839	3/8 x 1" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (6)
6	325 422 R1	GASKET, planetary inspection cover
7	325 420 R1	COVER, LH brake inspection
		TD-15BP 6001 to 20963
		TD-15BG 7260 to 20963
		TD-15B(Agr)BGA 7260 to 20963
		TD-15BPS 9371 to 20963
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
8	325 421 R1	GASKET, brake inspection cover
		(2) TD-15BP 6001 to 20963
		(2) TD-15BG 7260 to 20963
		(2) TD-15B(Agr)BGA 7260 to 20963
		(2) TD-15BPS 9371 to 20963
9	334 599 R51	COVER ASSY, rear frame
		TD-15BP 6001 to 20963
		TD-15BG 7260 to 20963
		TD-15B(Agr)BGA 7260 to 20963
		TD-15BPS 9371 to 20963
		(Order the following parts -
		1 BELLCRANK 609 850 C11
		1 BELLCRANK 609 851 C11
		1 COVER 612 577 C11
		2 COVER 612 578 C1
		2 GASKET 612 579 C1
		1 GASKET 612 582 C1
		1 PIPE 612 580 C91)
9	612 577 C11	COVER ASSY, rear frame
		TD-15BP 20964 up
		TD-15BG 20964 up
		TD-15B(Agr)BGA 20964 to 25000
		TD-15BPS 20964 up
		TD-15BGF 21281 up
		TD-15BGS 21676 up
		(Composed of -
		4 BUSHING 279 247 R1
		2 BUSHING 345 974 R2
		§ 1 COVER
		2 PLUG 318 300 R1
		4 SCREW, 5/8 x 5/8" hex-soc set 138 869)
	610 162 C1	BOLT (3)
	610 163 C1	BOLT (2)
	138 869	5/8 x 5/8" soc-set SCREW (4)
	271 558	5/8 x 1-1/2" hex-hd cap SCREW (15)
	271 607	3/4 x 1-1/2" hex-hd cap SCREW (6)
10	279 247 R1	BUSHING, pivot brake pick up lever shaft (4)
11	318 300 R1	PLUG, bellcrank push rod shaft (2)

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PART - CONTINUED (Not For Custom Crawler Tractors)		
13	345 625 R11	CAP w/three PIN, 325 411 R1, four SHIM, 345 639 R1 and five SHIM, 345 640 R1, planet carrier bearing (2)
	179 896	1/2 x 3-3/4" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
14	325 417 R1	BRACKET, brake fork push rod support (2)
	179 791	1/4 x 1/2" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
15	250 868 R1	PIN, rear frame to cover dowel (4)
16	334 843 R11	PIPE, rear frame sump (used with FRAME, 334 201 R93)
16A	611 207 C1	PLATE, rear frame sump tube (used with FRAME, 611 218 C91)
	321 872 R1	BOLT, nylon insert (4)
17	334 201 R93	FRAME ASSY, rear
		TD-15BP 6001 to 20612
		except 20376 to 20515
		TD-15BG 7260 to 20420
		TD-15B(Agr)BGA 7260 to 20420
		TD-15BPS 9371 to 20612
		except 20376 to 20515
		(Order the following parts -
		1 ADAPTER (for power shift built prior to TD-15BP 20208) 285 235 R91
		1 ADAPTER (for gear drive) 102 729 R1
		1 BELLCRANK 609 850 C11
		1 BELLCRANK 609 851 C11
		6 BOLT 20 833 R1
		4 BOLT 321 872 R1
		2 CONNECTOR 606 819 C1
		1 COUPLING (for gear drive) 144 097
		1 COVER 612 577 C11
		1 COVER 612 578 C11
		2 ELBOW 606 845 C1
		2 ELBOW 610 473 C1
		1 ELBOW 610 694 C1
		1 FORK 345 668 R2
		1 FRAME 611 218 C91
		1 GASKET 612 579 C1
		1 GASKET 612 582 C1
		1 PIPE 612 580 C91
		1 PLATE 611 207 C1
		2 RING 324 017 R1
		2 TEE 610 472 C1
		1 TEE (for gear drive) 263 804 R1
		1 TUBE 611 150 C11
		1 TUBE 611 151 C11
		1 TUBE (for gear drive) 611 152 C11
		1 TUBE 611 153 C11
		1 TUBE 611 154 C11
		1 TUBE 611 155 C11
		1 TUBE 611 156 C11
		1 TUBE (for power shift) 611 157 C11)

§ - Not Furnished Separately.

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PARTS - CONTINUED (Not For Custom Crawler Tractors)		
17	611 218 C91	FRAME ASSY, rear TD-15BP 20613 up, also 20376 to 20515 TD-15BG 20421 up TD-15B(Agr)BGA 20421 to 25000 TD-15BPS 20613 up, also 20376 to 20515 TD-15BGF 21281 up TD-15BGS 21676 up (Composed of - 2 CAP 345 625 R11 2 CAP 611 222 C1 4 CORK 104 940 8 CORK 106 623 4 CORK 117 926 2 CORK 117 928 2 DOWEL 325 406 R1 1 DOWEL 323 395 R1 § 1 FRAME 4 PIN 250 868 R1 1 PLUG 271 647 R1)
18	20 321 R1	BOLT, rear frame to front frame (upper) (will work for 1-1/4NF NUT and STUD, 334 836 R2) (4)
19	271 549	BOLT, 1 x 2-1/2" rear frame to front frame (lower) (will work for 1NF NUT and STUD, 334 837 R2) (4)
20	323 395 R1	DOWEL, pivot shaft to rear frame
21	20 833 R1	BOLT, rear frame to transmission case (will work for 3/4" NUT and STUD, 57 382 D) (6)
22	345 733 R1	CAP, pivot shaft (inner) (used with REAR FRAME, 334 201 R93) (2) TD-15BP 6001 to 20612 except 20376 to 20515 (2) TD-15BG 7260 to 20420 (2) TD-15B(Agr)BGA 7260 to 20420 (2) TD-15BPS 9371 to 20612 except 20376 to 20515
	271 707	1 x 4-1/4" hex-hd cap SCREW (8)
22	611 222 C1	CAP, pivot shaft (inner) (used with REAR FRAME, 611 218 C91) (2) TD-15BP 20613 up, also 20376 to 20515 (2) TD-15BG 20421 up (2) TD-15B(Agr)BGA 20421 to 25000 (2) TD-15BPS 20613 up, also 20376 to 20515 (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
	271 707	1 x 4-1/4" hex-hd cap SCREW (8)
23	21 547 R1	BOLT, sprocket drive carrier (will work for NUT, 334 742 R1 and STUD, 331 936 R1) (28)
24	325 406 R1	DOWEL, sprocket drive carrier (2)
25	271 549	BOLT, 1 x 2-1/2" drawbar mounting (will work for 1NF NUT and STUD, 325 408 R1) (12)
26	142 756	GASKET, 1-1/4" annular (used with rear FRAME, 334 201 R91) (2)
27	341 749 R1	PLUG, mounting hole (used with rear FRAME, 334 201 R91) (2)
28	325 411 R1	PIN, bearing cap dowel (6)
29	325 429 R1	GASKET, rear power take-off cover plate
30	253 174 R2 271 554	PLATE, rear power take-off cover 5/8 x 1" hex-hd cap SCREW (5)
31	21 502 R1	PLUG, brake fork adjusting hole

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PARTS - CONTINUED (Not For Custom Crawler Tractors)		
32	345 974 R2	BUSHING, push rod lever (together with two BEARING, 368 372 R91, and four RACE, 306 970 R1, will work for 325 415 R1) (2)
33	334 138 R11	COVER, RH brake inspection TD-15BP 6001 to 20963 TD-15BG 7260 to 20963 TD-15B(Agr)BGA 7260 to 20963 TD-15BPS 9371 to 20963 179 839 3/8 x 1" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4)
34	345 639 R1	SHIM, thick (.010") (8 or as required)
34	345 640 R1	SHIM, thin (.003") (10 or as required)
35	612 578 C1	COVER, RH and LH brake inspection (2) TD-15BP 20964 up (2) TD-15BG 20964 up (2) TD-15B(Agr)BGA 20964 to 25000 (2) TD-15BPS 20964 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up 179 839 3/8 x 1" hex-hd cap SCREW (12) 103 321 3/8" lock WASHER (12)
36	612 579 C1	GASKET, RH and LH brake inspection cover (2) TD-15BP 20964 up (2) TD-15BG 20964 up (2) TD-15B(Agr)BGA 20964 to 25000 (2) TD-15BPS 20964 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
37	612 582 C1	GASKET, rear frame filler pipe TD-15BP 20964 up TD-15BG 20964 up TD-15B(Agr)BGA 20964 to 25000 TD-15BPS 20964 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
38	612 580 C91	PIPE, rear frame filler TD-15BP 20964 up TD-15BG 20964 up TD-15B(Agr)BGA 20964 to 25000 TD-15BPS 20964 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up 271 558 5/8 x 1-1/2" hex-hd cap SCREW (2)
39	105 423	ELBOW, rear frame breather (used with PIPE, 616 237 C1)
40	324 042 R91	BREATHER, rear frame (used with PIPE, 616 237 C1)
	368 372 R91	BEARING, clutch fork bellcrank push rod needle (also listed and illustrated with "Steering Clutches and Controls") (2)
	104 940	CORK, No. 4 (4 or as required)
	106 623	CORK, No. 8 (8 or as required)
	117 926	CORK, No. 12 (4 or as required)
	117 928	CORK, No. 14 (2)
	271 647 R1 444 576	PLUG, drain PLUG (used with COVER, 325 419 R11 when PIPE, 616 237 C1 is used)
	306 970 R1	RACE, clutch fork bellcrank push rod (also listed and illustrated with "Steering Clutches and Controls") (4)
		§ - Not Furnished Separately.

MEMORANDA

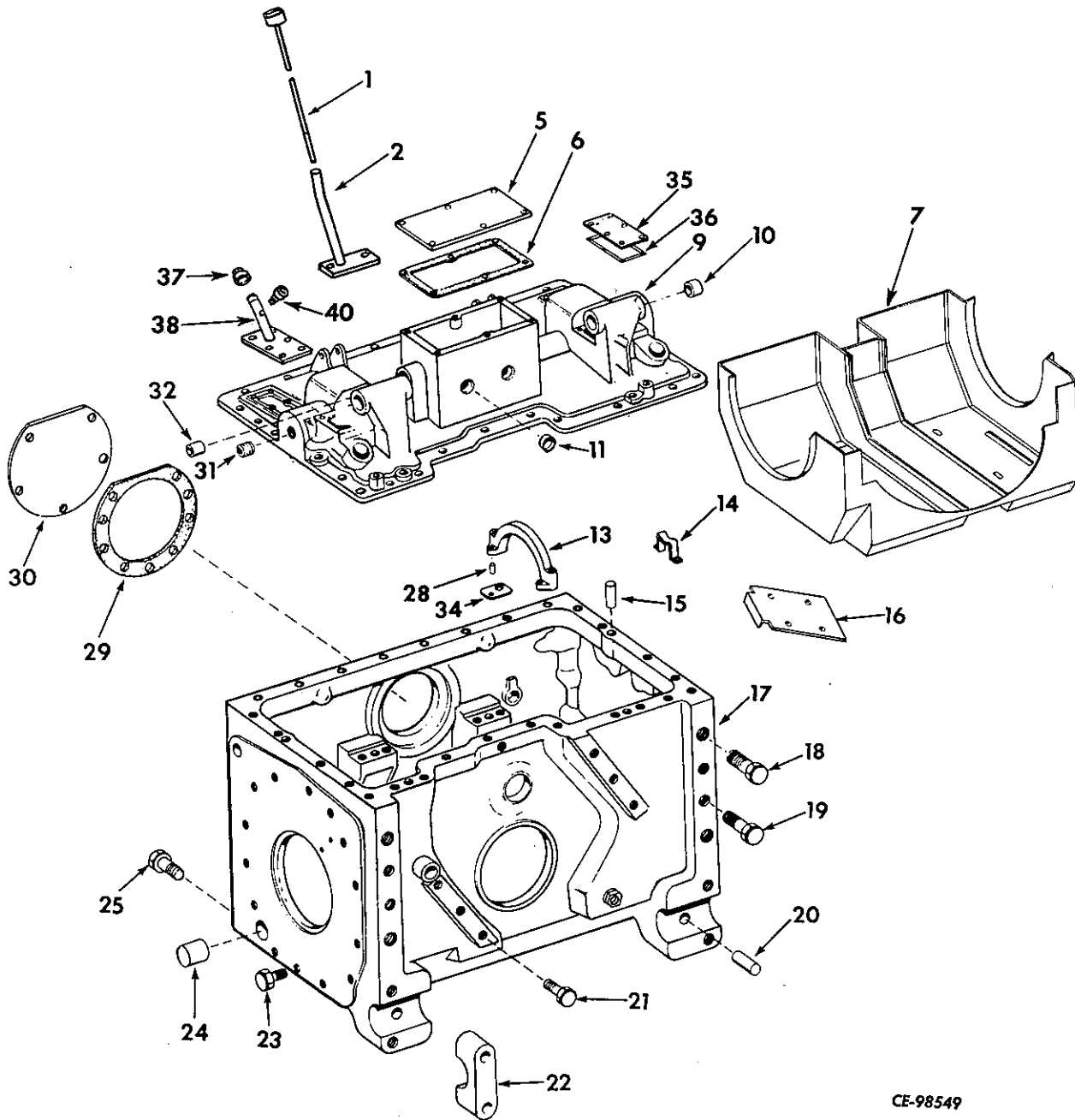
MEMORANDA

FRAME

REAR FRAME, COVER AND RELATED PARTS
(For Custom Crawler Tractors)

FRAME

REAR FRAME, COVER AND RELATED PARTS - Continued
(For Custom Crawler Tractors)



CE-98549

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PARTS - Continued (For Custom Crawler Tractors)		
1	650 238 C1	DIPSTICK, rear frame oil level
2	650 235 C1 271 558	COVER, oil dipstick 5/8 x 1-1/2" hex-hd cap SCREW (2)
5	616 235 C1 179 839 103 321	COVER, planetary inspection 3/8 x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
6	325 422 R1	GASKET, planetary inspection cover
7	624 875 C1 311 979 R1	BAFFLE, rear main frame BOLT (Nylock) (4) 1-3/32 x 13/16" x 16 ga WASHER (4)
9	612 577 C11	COVER ASSY, rear frame (Composed of - 4 BUSHING 279 247 R1 2 BUSHING 345 974 R2 8 1 COVER 2 PLUG 318 300 R1 4 SCREW, 5/8 x 5/8" hex-soc set 138 869)
	610 162 C1	BOLT (3)
	610 163 C1	BOLT (2)
	138 869	5/8 x 5/8" soc-set SCREW (4)
	271 558	5/8 x 1-1/2" hex-hd cap SCREW (15)
	271 607	3/4 x 1-1/2" hex-hd cap SCREW (6)
10	279 247 R1	BUSHING, pivot brake pick up lever shaft (4)
11	318 300 R1	PLUG, bellcrank push rod shaft (2)
13	345 625 R11 179 896 103 323	CAP w/three PIN, 325 411 R1, four SHIM, 345 639 R1 and five SHIM, 345 640 R1, planet carrier bearing (2) 1/2 x 3-3/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
14	325 417 R1 179 791 103 319	BRACKET, brake fork push rod support (2) 1/4 x 1/2" hex-hd cap SCREW (4) 1/4" lock WASHER (4)
15	250 868 R1	PIN, rear frame to cover dowel (4)
16	611 207 C2 321 872 R1	SCREEN, rear main frame BOLT, nylon insert (4)
17	611 218 C91	FRAME ASSY, rear (Composed of - 2 CAP 345 625 R11 2 CAP 611 222 C1 4 CORK 104 940 8 CORK 106 623 4 CORK 117 926 2 CORK 117 928 2 DOWEL 325 406 R1 1 DOWEL 323 395 R1 8 1 FRAME 4 PIN 250 868 R1 1 PLUG 271 647 R1)
18	20 321 R1	BOLT, rear frame to front frame (upper) (4)
19	271 549	BOLT, 1 x 2-1/2" rear frame to front frame (lower) (4)
20	323 395 R1	DOWEL, pivot shaft to rear frame
21	20 833 R1	BOLT, rear frame to transmission case (6)
22	611 222 C1 271 707	CAP, pivot shaft (inner) (2) 1 x 4-1/4" hex-hd cap SCREW (8)
23	21 547 R1	BOLT, sprocket drive carrier (28)
24	325 406 R1	DOWEL, sprocket drive carrier (2)

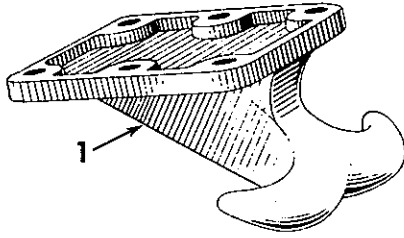
FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REAR FRAME, COVER AND RELATED PARTS - Continued (For Custom Crawler Tractors)		
25		BOLT, 1 x 2-1/2" drawbar mounting (12)
28	325 411 R1	PIN, bearing cap dowel (6)
29	325 429 R1	GASKET, rear power take-off cover plate
30	253 174 R2 271 553	PLATE, rear power take-off cover 5/8" x 7/8" hex-hd cap SCREW (5)
31	21 502 R1	PLUG, brake fork adjusting hole
32	345 974 R2	BUSHING, push rod lever (together with two BEARING, 368 372 R91, and four RACE, 306 970 R1, will work for 325 415 R1) (2)
34	345 639 R1	SHIM, thick (.010") (8 or as required)
34	345 640 R1	SHIM, thin (.003") (10 or as required)
35	612 578 C1 179 839 103 321	COVER, brake inspection 3/8 x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
36	612 579 C1	GASKET, brake inspection cover
37	650 231 C1	COVER, oil filler 3/8 x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
38	650 234 C1	CAP, rear main frame oil filler
40	324 042 R91	BREATHER, rear frame
	104 940	CORK, No. 4 (4 or as required)
	106 623	CORK, No. 8 (8 or as required)
	117 926	CORK, No. 12 (4 or as required)
	117 928	CORK, No. 14 (2)
	271 647 R1	PLUG, drain
	444 654	PLUG, booster drain hole
	20 988 R1	PLUG, torque converter vent tube hole

8 - Not Furnished Separately.

FRAME

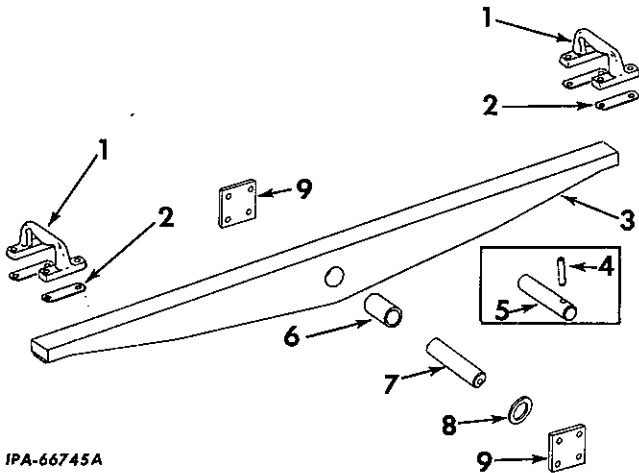
FRONT PULL HOOK



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	334 517 R91	ATTACHMENT, front pull hook (see NOTES 1 and 3)
1	5 980 D 271 656	HOOK, front pull 7/8 x 2" hex-hd cap SCREW (6)

EQUALIZER BAR

(Not for Sideboom or Backfiller Crawler Tractors)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	330 688 R1 271 557 103 325	BRACKET, equalizer bar rebound (2) 5/8 x 1-3/8" hex-hd cap SCREW (8) 5/8" lock WASHER (8)
2	330 692 R1	SHIM, equalizer bar rebound bracket (.049") (X)
3	334 193 R92	BAR w/BUSHING, 334 844 R2, equalizer (Order PACKAGE, 609 624 C91) TD-15BP 6001 to 20311 TD-15BG 7260 to 20311 TD-15BGA 7260 to 20311 TD-15BPS 9371 to 20311

FRAME

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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EQUALIZER BAR - CONTINUED
(Not for Sideboom or Backfiller Crawler Tractors)

3	609 624 C91	PACKAGE, equalizer bar field service TD-15BP 20312 up TD-15BG 20312 up TD-15BGA 20312 up TD-15BPS 20312 up (Composed of - § 1 BAR 1 BUSHING 334 844 R2 1 DRAWING, equalizer bar rework IZG-6791 § 2 PAD, wear (1/4") § 2 PAD, wear (1/2")
4	341 700 R1	PIN, equalizer bar pivot shaft locking (used with SHAFT, 334 845 R1) TD-15BP 6001 to 7417 TD-15BG 7260 to 7417 TD-15BGA 7260 to 7417
5	334 845 R2	SHAFT, equalizer bar pivot TD-15BP 6001 to 7417 TD-15BG 7260 to 7417 TD-15BGA 7260 to 7417
6	334 844 R2	BUSHING, pivot shaft
7	603 279 C1	SHAFT, equalizer bar pivot TD-15BP 7418 up TD-15BG 7418 up TD-15BGA 7418 up
8	604 555 C1	SPACER, equalizer (3)
9	603 282 C1	PLATE, equalizer bar pivot shaft retaining (2) TD-15BP 7418 up (2) TD-15BG 7418 up (2) TD-15BGA 7418 up
271 558		5/8 x 1-1/2" hex-hd cap SCREW (8)

NOTE 1 - Factory Application - Order On Machine Order Form.

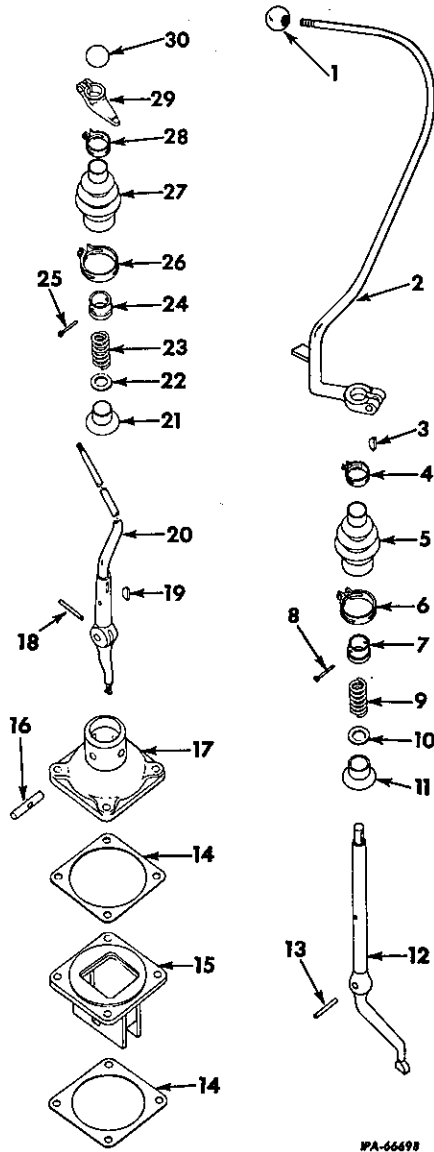
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

§ - Not Furnished Separately
X - As Required.

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

GEAR SHIFT LEVER, FORWARD AND REVERSE LEVER



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	264 055 R2	BALL, forward and reverse shift lever
2	650 377 C1	LEVER, forward and reverse (used with Custom Crawler Tractor)
2	612 575 C91	LEVER, forward and reverse (not used with Custom Crawler Tractor)
2	331 939 R11	LEVER, forward and reverse (for manual shift crawler tractors equipped with cable radiator guard)
	102 637	1/2" NUT
	179 890	1/2 x 2-1/4" hex-hd cap SCREW
	103 323	1/2" lock WASHER
3	124 552	KEY, 3/16 x 1" (Woodruff No. 13)

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TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

GEAR SHIFT LEVER, FORWARD AND REVERSE LEVER - CONTINUED

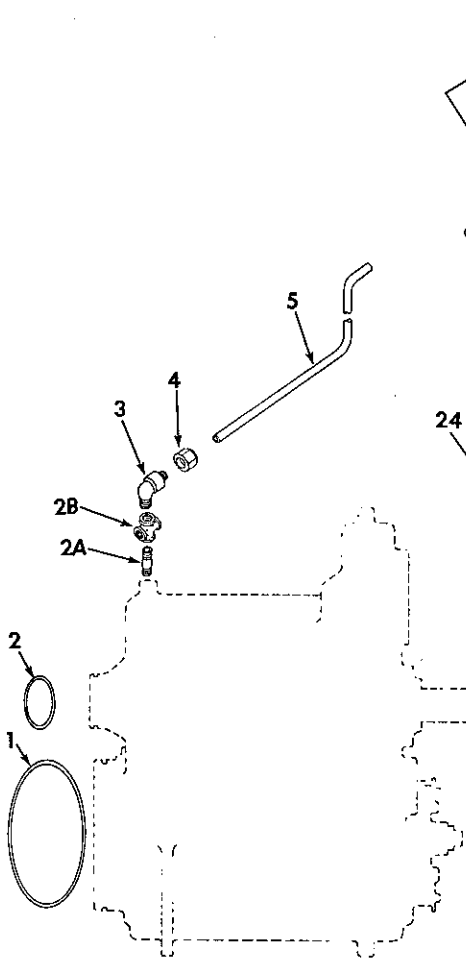
REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	252 977 R91	CLAMP, forward and reverse shift lever upper
5	325 029 R1	BOOT, forward and reverse shift lever
6	274 088 R91	CLAMP, forward and reverse shift lever lower
7	252 852 R1	STOP, forward and reverse lever swivel cap spring
8	104 076	RIVET, 3/16 x 1-5/8" rd-hd
9	252 844 R1	SPRING, forward and reverse lever swivel cap
10	256 141 R1	WASHER, forward and reverse lever swivel cap spring
11	325 028 R1	CAP, forward and reverse lever swivel
12	327 846 R1	LEVER, forward and reverse gear shift pivot
13	306 025 R2	SHAFT, forward and reverse gear shift lever
14	327 872 R1	GASKET, gear selector (2)
15	327 868 R91	GATE, gear selector
16	306 026 R1	SHAFT, shifter lever large
17	327 873 R1	TOWER, gear selector
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
18	306 025 R2	SHAFT, shifter lever small
19	124 549	KEY, 3/16 x 3/4" (Woodruff No. 9)
20	650 376 C1	LEVER, gear shift hand (used with Custom Crawler Tractor)
20	612 576 C1	LEVER, gear shift hand (not used with Custom Crawler Tractor)
21	325 028 R1	CAP, shifter swivel
22	256 141 R1	WASHER, swivel cap spring
23	252 844 R1	SPRING, swivel cap
24	252 852 R1	STOP, swivel cap spring
25	104 076	RIVET, 3/16 x 1-5/8" rd-hd
26	274 088 R91	CLAMP, shifter lever boot lower
27	325 029 R1	BOOT, shifter lever
28	252 977 R91	CLAMP, shifter lever boot upper
29	327 842 R1	LEVER, fifth and reverse gear shift lock out
	179 844	3/8 x 1-5/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
30	264 055 R2	BALL, shifter lever

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TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

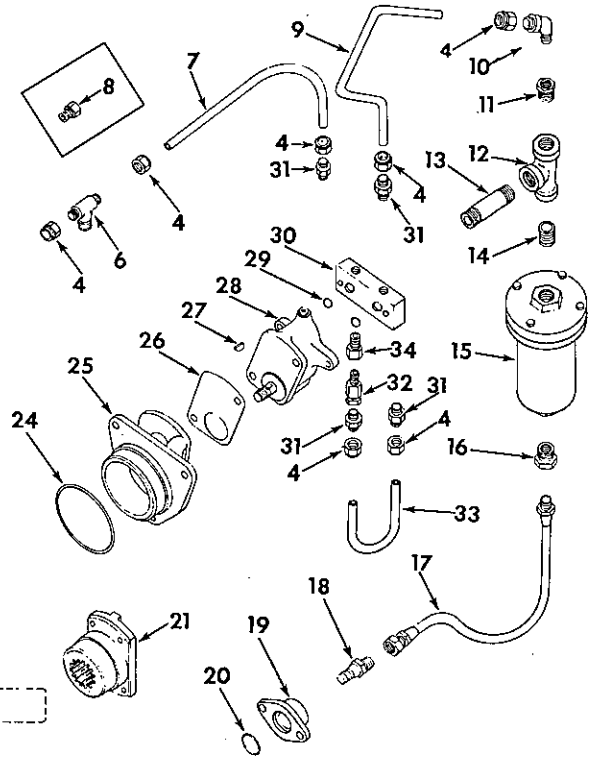
TRANSMISSION OIL PUMP AND PIPING
TD-15BG 7260 to 20041
TD-15B(Agr)BGA 7260 to 20041



TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL PUMP AND PIPING - CONTINUED
TD-15BG 7260 to 20041
TD-15B(Agr)BGA 7260 to 20041



IPA-66699 C

REF. NO.	I.M. PART NUMBER	DESCRIPTION
1	610 417 C1	"O" RING, transmission case lower (7-3/4 x 8-1/4 x 1/4")
2	352 313 R1	"O" RING, transmission case upper (2-3/8 x 2-3/4 x 3/16")
2A	192 032	NIPPLE, brake cooling pipe (in transmission case)
2B	144 157	CROSS, 1/8" transmission cover to case tube (brs) (*)
3	37 167 D	ELBOW, transmission case (used with TUBE, 343 020 R2)
3	606 845 C1	ELBOW, transmission case (used with TUBE, 607 872 C11)
4	37 165 D	NUT (used with TUBE, 327 881 R2, TUBE, 343 020 R2, TUBE, 603 203 C2 and TUBE, 603 204 C2) (8)
4	265 205 R1	NUT (used with TUBE, 607 871 C11, TUBE, 607 872 C11, TUBE, 607 873 C11 and TUBE, 607 874 C11) (8)
	265 204 R1	SLEEVE, tube (8)

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REF. NO.	I.M. PART NUMBER	DESCRIPTION
5	343 020 R2	TUBE, transmission case cover to transmission (Order the following parts - 1 CONNECTOR 606 819 C1 1 ELBOW 606 845 C1 1 TEE 610 001 C1 1 TUBE 607 872 C11 1 TUBE 607 874 C11)
5	607 872 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, transmission case cover to transmission (together with CONNECTOR, 606 819 C1, ELBOW, 606 845 C1, TEE, 610 001 C1 and TUBE, 607 874 C11 will work for TUBE, 343 020 R2)
6	336 936 R1	TEE, transmission case cover (used with TUBE, 343 020 R2 and TUBE, 603 204 C2)
6	610 001 C1	TEE, transmission case cover (used with TUBE, 607 872 C11 and TUBE, 607 874 C11)
		(*) - Also Listed With "Oil Cooling Brake Piping."

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TRANSMISSION
(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRANSMISSION OIL PUMP AND PIPING - CONTINUED
TD-15BG 7260 to 20041
TD-15B(Agr)BGA 7260 to 20041

7	603 204 C2	TUBE, pump to transmission case cover tee (Order the following parts - 1 CONNECTOR 606 819 C1 1 ELBOW 606 845 C1 1 TEE 610 001 C1 1 TUBE 607 872 C11 1 TUBE 607 874 C11)
7	607 874 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, pump to transmission case cover tee (together with CONNECTOR, 606 819 C1, ELBOW, 606 845 C1, TEE, 610 001 C1 and TUBE, 607 872 C11 will work for TUBE, 603 204 C2)
8	38 026 DM	CONNECTOR, transmission case cover tee (used with TUBE, 603 204 C2)
9	327 881 R2	TUBE, filter to pump (order CONNECTOR, 606 819 C1, ELBOW, 606 845 C1 and TUBE, 607 871 C11)
9	607 871 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, filter to pump (together with CONNECTOR, 606 819 C1 and ELBOW, 606 845 C1 will work for TUBE, 327 881 R2)
10	37 323 D	ELBOW, transmission oil filter (used with TUBE, 327 881 R2)
10	606 845 C1	ELBOW, transmission oil filter (used with TUBE, 607 871 C11)
11	144 038	BUSHING, 1/2 x 1/4" reducing
12	218 251	TEE, 3/4 x 1/2 x 3/4" reducing
13	604 901 C1	NIPPLE, 3/4 x 2-1/2" pipe
14	192 470	NIPPLE, 3/4 x 1-3/8" pipe
15	327 371 R92	FILTER w/ELEMENT, 346 821 R91 and "O" RING, 285 723 R1, transmission oil
16	144 042	BUSHING, 3/4 x 1/2" reducing
17	338 684 R91	HOSE w/FITTING, 338 680 R91 and FITTING, 338 681 R91, rear main frame sump to filter (HOSE, 1/2" ID x 19" long including FITTINGS) (Aeroquip No. A255659-10-8-19)
17		HOSE w/o FITTINGS, cut length 1/2" ID x 19" long cut from bulk Hose No. 338 655 R1)
18	9 402 710	CONNECTOR, 5/8"
19	327 885 R1	FLANGE, rear main frame sump 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
20	313 579 R1	"O" RING, rear main frame sump flange (15/16 x 1-3/16 x 1/8") (optional with 355 965 R1)
20	355 965 R1	"O" RING, rear main frame sump flange (15/16 x 1-3/16 x 1/8") (optional with 313 579 R1)
21	325 061 R3	YOKE, transmission drive
24	285 723 R1	"O" RING, transmission oil pump adapter (3-1/8 x 3-3/8 x 1/8")
25	327 840 R1 179 860 103 322	ADAPTER, transmission oil pump 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16" lock WASHER (3)
26	316 609 R1	GASKET, transmission oil pump
27	124 543	KEY, coupling (Woodruff No. 3)
28	603 549 C91 179 851 103 321	PUMP, transmission oil (for components see list of parts under details of "Transmission Oil Pump") 3/8 x 3" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
29	350 667 R1	"O" RING, oil pump manifold (11/16 x 7/8 x 3/32") (2)
30	603 202 C1 179 850 103 321	MANIFOLD, transmission oil pump 3/8 x 2-3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
31	38 026 DM	CONNECTOR, transmission oil pump manifold (used with TUBE, 327 881 R2, TUBE, 603 203 C2 and TUBE, 603 204 C2) (4)

TRANSMISSION
(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRANSMISSION OIL PUMP AND PIPING - CONTINUED
TD-15BG 7260 to 20041
TD-15B(Agr)BGA 7260 to 20041

31	606 819 C1	CONNECTOR, transmission oil pump manifold (used with TUBE, 607 871 C11) TUBE, 607 873 C11 and TUBE, 607 874 C11) (4)
32	347 901 R91	VALVE, transmission oil pump check
33	603 203 C2	TUBE, oil pump by-pass (order two CONNECTOR, 606 819 C1 and TUBE, 607 873 C11)
33	607 873 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, oil pump by-pass (together with two CONNECTOR, 606 819 C1 will work for TUBE, 603 203 C2)
34	38 026 DM	CONNECTOR, pump manifold
	607 692 C1	ADAPTER, transmission cover tee orifice (assemble to transmission cover below tee) (used only on units equipped with PACKAGE, 607 693 C91)
	346 821 R91	ELEMENT, transmission oil filter
	338 680 R91	FITTING, JIC swivel hose (Aeroquip No. 4797-10-8)
	338 681 R91	FITTING, male pipe (Aeroquip No. 4738-8-8)
	338 655 R1	HOSE, 1/2" ID bulk (X)
	285 723 R1	"O" RING, transmission oil filter (3-1/8 x 3-3/8 x 1/8")
	607 693 C91	PACKAGE, transmission lube filter field improvement (Consists of - 1 ADAPTER 338 353 R91 1 ADAPTER 607 692 C1 1 ADAPTER 9 402 681 1 ADAPTER 9 409 908 1 BRACKET 341 736 R92 1 BRACKET 604 373 C11 2 CLIP 322 499 R1 1 CLIP 343 310 R1 1 CLIP 362 120 R1 1 CONNECTOR 56 597 D 1 CONNECTOR 606 291 C91 2 CONNECTOR 606 819 C1 1 CONNECTOR 9 402 708 1 CROSS 144 151 1 ELBOW 179 533 1 ELBOW 336 503 R91 1 ELBOW 603 879 C91 1 ELBOW 606 849 C91 3 ELBOW 606 930 C1 1 ELBOW 606 514 C91 2 ELBOW 9 402 864 1 EXTENSION 337 216 R1 1 FILTER 346 820 R91 1 HOSE 702 199 C91 1 HOSE 338 658 R91 1 HOSE 603 558 C91 1 HOSE 610 561 C91 1 HOSE 606 158 C91 1 HOSE 606 858 C91 1 NIPPLE 611 450 C1 1 NIPPLE 192 470 1 NIPPLE 427 244 1 NIPPLE 334 762 R1 1 NUT 19 986 R1 5 NUT 265 205 R1 2 "O" RING 350 667 R1 1 PAMPHLET, instruction 1 085 109 R1 5 SLEEVE 265 204 R1 1 TEE 444 540 1 VALVE 604 988 C91)

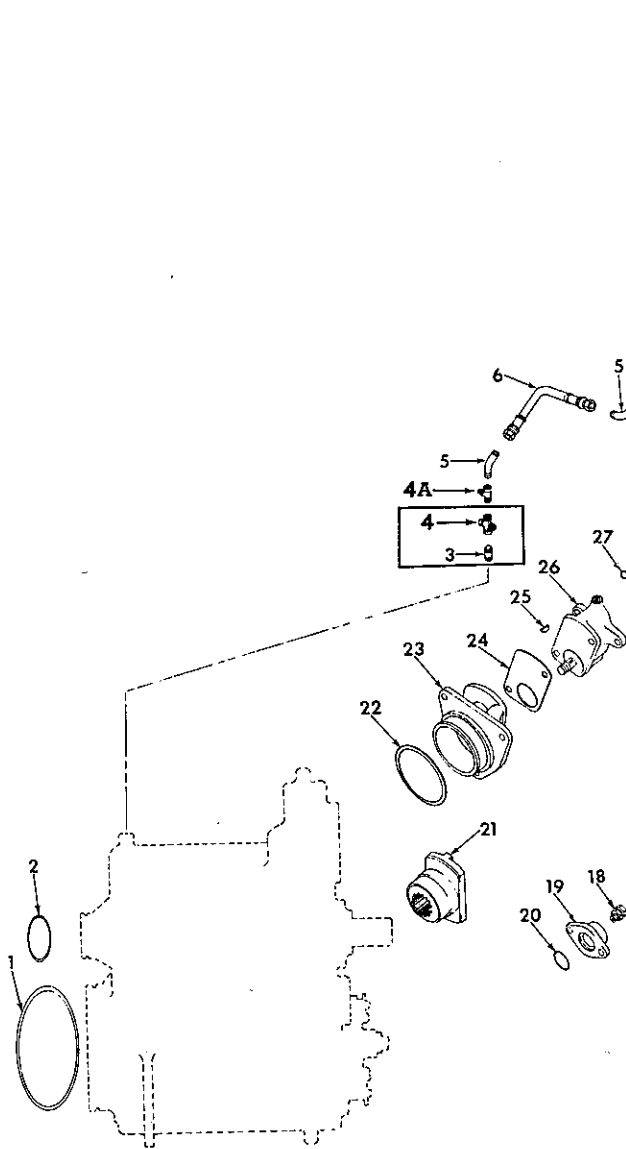
(*)- Also Listed With "Oil Cooling Brake Piping."

(X) - Order Cut Length Required.

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL PUMP AND PIPING - CONTINUED
 TD-15BG 20042 to 22062 (See NOTE)
 TD-15B(Agr)BGA 20042 to 22062 (See NOTE)
 TD-15BGF 21281 to 22062 (See NOTE)
 TD-15BGS 21676 to 22062 (See NOTE)

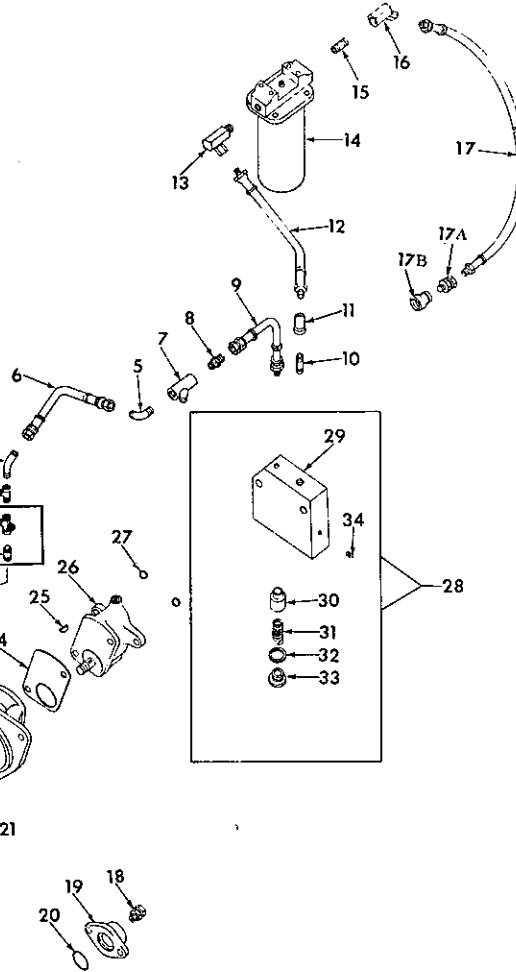


REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	610 417 C1	"O" RING, transmission case lower (7-3/4 x 8-1/4 x 1/4")
2	352 313 R1	"O" RING, transmission case upper (2-3/8 x 2-3/4 x 3/16")
3	334 762 R1	NIPPLE, 1/4" brake cooling pipe (in transmission case) (used with FRAME, 334 201 R93) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420
4	144 151	CROSS, 1/4" transmission cover to case tube (zn-pltd) (used with FRAME, 334 201 R93) (†) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL PUMP AND PIPING - CONTINUED
 TD-15BG 20042 to 22062 (See NOTE)
 TD-15B(Agr)BGA 20042 to 22062 (See NOTE)
 TD-15BGF 21281 to 22062 (See NOTE)
 TD-15BGS 21676 to 22062 (See NOTE)



CEA-83507 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
4A	263 804 R1	TEE, transmission case to rear frame cover (used with FRAME, 611 218 C91) TD-15BG 20421 to 22062 TD-15B(Agr)BGA 20421 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
5	9 402 864	ELBOW, transmission case (2)
6	606 158 C91	HOSE w/two FITTING, transmission case cover to transmission (HOSE, 3/8" ID x 14" long including FITTINGS) (†) - Also Listed With "Oil Cooling Brake Piping." NOTE - For Transmission Oil Pump and Piping on machines with serial numbers 22063 and up refer to Hydraulic System.

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION OIL PUMP AND PIPING - CONTINUED		
TD-15BG 20042 to 22062 (See NOTE)		
TD-15B(Agr)BGA 20042 to 22062 (See NOTE)		
TD-15BGF 21281 to 22062 (See NOTE)		
TD-15BGS 21676 to 22062 (See NOTE)		
7	444 540	TEE, transmission case cover
8	9 402 708	CONNECTOR, 3/8" housing to tee (at tee)
9	606 858 C91	HOSE w/two FITTING, pump to transmission case cover tee (HOSE, 3/8" ID x 9-1/2" long including FITTINGS)
10	611 450 C1	NIPPLE, 1/2" filter to pump (at pump)
11	179 533	ELBOW, filter to pump (at pump)
12	610 561 C91	HOSE w/two FITTING, 319 753 R91, filter to pump (HOSE, 5/8" ID x 23" long including FITTINGS)
12		HOSE w/o FITTINGS, cut length 5/8" ID x 19-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
13	336 503 R91	ELBOW, transmission oil filter (outlet)
14	610 795 C91	FILTER, transmission oil (for components see list of parts under details of "Transmission Oil Filter")
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
15	427 244	NIPPLE, transmission oil filter (inlet)
16	606 514 C91	ELBOW, transmission oil filter (inlet)
17	603 558 C91	HOSE w/two FITTING, 319 753 R91, rear frame sump to filter (HOSE, 5/8" ID x 53" long including FITTINGS)
17		HOSE w/o FITTINGS, cut length 5/8" ID x 49-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
17A	102 729 R1	ADAPTER, (together with Coupling, 144 097, optional with Adapter, 336 182 R1 and Coupling, 144 105) sump filter hose (3/4 x 3/4") (used with Frame, 611 218 C91) TD-15BG 20421 to 22062 TD-15B(Agr)BGA 20421 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
17A	336 182 R1	ADAPTER, (together with Coupling, 144 105, optional with Adapter, 102 729 R1 and Coupling, 144 097) sump filter hose (3/4 x 1") (used with Frame, 611 218 C91) TD-15BG 20421 to 22062 TD-15B(Agr)BGA 20421 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
17B	144 097	COUPLING, (together with Adapter, 102 729 R1, optional with Coupling 144 105 and Adapter, 336 182 R1) reducer (used with Frame, 611 218 C91) TD-15BG 20421 to 22062 TD-15B(Agr)BGA 20421 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
17B	144 105	COUPLING, (together with Adapter, 336 182 R1, optional with Coupling, 144 097 and Adapter, 102 729 R1) reducer (used with Frame, 611 218 C91) TD-15BG 20421 to 22062 TD-15B(Agr)BGA 20421 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
18	338 353 R91	ADAPTER, swivel (on sump flange) (used with Frame, 334 201 R93) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420

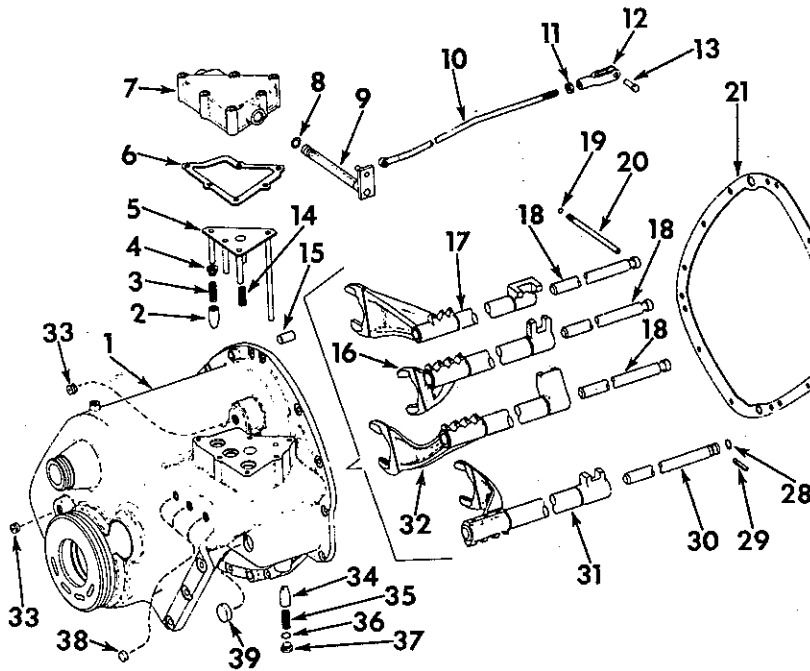
TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION OIL PUMP AND PIPING - CONTINUED		
TD-15BG 20042 to 22062 (See NOTE)		
TD-15B(Agr)BGA 20042 to 22062 (See NOTE)		
TD-15BGF 21281 to 22062 (See NOTE)		
TD-15BGS 21676 to 22062 (See NOTE)		
19	327 885 R1	FLANGE, rear main frame sump (used with Frame, 334 201 R93) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
20	355 965 R1	"O" RING, rear main frame sump flange (15/16 x 1-3/16 x 1/8") (used with Frame, 334 201 R93) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420
21	325 061 R3	YOKE, transmission drive TD-15BG 20042 to 20515 TD-15B(Agr)BGA 20042 to 20515
21	609 514 C21	YOKE, transmission drive TD-15BG 20616 to 22062 TD-15B(Agr)BGA 20616 to 22062 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
22	285 723 R1	"O" RING, transmission oil pump adapter (3-1/8 x 3-3/8 x 1/8")
23	327 840 R1	ADAPTER, transmission oil pump
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)
	103 322	7/16" lock WASHER (3)
24	316 609 R1	GASKET, transmission oil pump
25	124 543	KEY, coupling (Woodruff No. 3)
26	603 549 C91	PUMP, transmission oil (for components see list of parts under details of "Transmission Oil Pump") 3/8 x 3" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
27	350 667 R1	"O" RING, check valve housing (11/16 x 7/8 x 3/32") (2)
28	604 988 C91	VALVE, transmission oil pump check (Composed of - § 1 HOUSING 1 PLUG 103 866 1 PLUG 605 430 C1 1 POPPET 604 991 C1 1 RING *364 885 R1 1 SPRING 32 433 D) 3/8 x 2-1/2" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
29		HOUSING, transmission oil pump check valve (Not Furnished Separately) POPPET, check valve SPRING, check valve "O" RING, .755 x .949 x .097" PLUG, check valve PLUG, 1/4" pipe BRACKET, transmission oil filter support 3/8" NUT (2) 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2) CLIP, pump hose (on clutch housing cover bolt) TD-15BG 20242 to 21396 TD-15BGF 20242 to 21396
	314 798 R1	CLIP, sump hose (on front frame)
	337 216 R1	EXTENSION, clip
	102 635	3/8" NUT
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	343 310 R1	CLIP, cover to case hose (on transmission cover bolt)
	319 710 R1	HOSE, 5/8" ID bulk (X) NOTE - For Transmission Oil Pump and Piping on machines with serial numbers 22063 and up refer to Hydraulic System. (X) - Order Cut Length As Required. § - Not Furnished Separately.

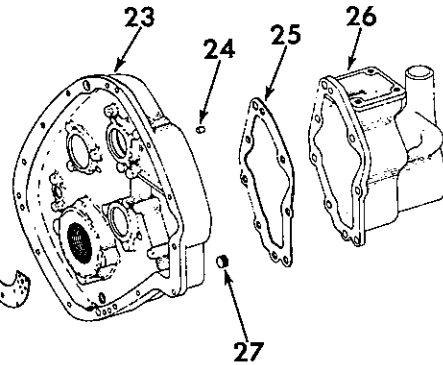
TRANSMISSION (FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION CASE, COVER, SHIFTING FORKS AND RELATED PARTS



TRANSMISSION (FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION CASE, COVER, SHIFTING FORKS AND RELATED PARTS - CONTINUED



IPA-66769B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
603 195 C92		TRANSMISSION ASSY (For Agr. Tractors) (Consists of all parts listed under pages 193 to and including page 205) (Order TRANSMISSION ASSY, 703 367 C92 and PACKAGE, 703 369 C91)
703 367 C92		TRANSMISSION ASSY (For Custom Tractors) (Consists of all parts listed under pages 193 to and including page 205) (together with PACKAGE, 703 369 C91 will work for TRANSMISSION ASSY, 603 195 C92).
331 955 R93		TRANSMISSION ASSY (For manual shift, backfiller and sideboom tractors) (Consists of all parts listed under pages 193 to and including page 205) (Order TRANSMISSION ASSY, 703 366 C91 and PACKAGE, 703 369 C91)
703 366 C91		TRANSMISSION ASSY (For manual shift, backfiller and sideboom tractors) (Consists of all parts listed under pages 193 to and including page 205) (together with PACKAGE, 703 369 C91 will work for TRANSMISSION ASSY, 331 955 R93).
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)
1	334 847 R31	CASE w/two PLUG, 9 409 949, four PLUG, 373 553 R1, transmission
2	327 867 R1	POPPET, first thru fifth gear shifter (3)
3	269 908 R1	SPRING, first thru fifth gear shifter poppet (3)
4	327 874 R1	PLUG, first thru fifth gear poppet spring retainer (3)
5	327 875 R11	PLATE, gear shifter lock pin
6	327 880 R1	GASKET, gear shifter cam lock housing

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	327 879 R1	HOUSING, gear shifter cam lock
	179 851	3/8 x 3" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (6)
8	350 667 R1	"O" RING, gear shifter lock camshaft (11/16 x 7/8 x 3/32")
9	327 847 R11	CAMSHAFT, gear shifter lock
	179 837	3/8 x 3/4" dog-pt set SCREW
10	327 850 R11	ROD, gear shifter lock operating (*)
11	103 026	NUT, 3/8NF jam (*)
12	104 038	CLEVIS, 3/8" rod end (*)
13	114 785	PIN, 3/8" rod end (*)
	103 362	1/16 x 3/4" cotter PIN (2)
14	269 908 R1	SPRING, lock plate guide
15	125 860	DOWEL, 3/4 x 1-1/2" (2)
16	327 856 R11	FORK, third and fourth gear shifter
17	327 859 R11	FORK, fifth gear shifter
18	327 862 R1	SHAFT, gear shifter upper (3)
19	355 967 R1	"O" RING, gear shifter upper shaft lock pin (3/8 x 1/2 x 1/16")
20	327 863 R1	PIN, gear shifter upper shaft lock
	179 835	3/8 x 5/8" hex-hd cap SCREW
	PO 10 532	WASHER, 13/32" flat
21	334 106 R2	GASKET, transmission cover
22	325 080 R1	SCREEN, transmission case oil return
		TD-15BG 7260 to (#)
		TD-15BGA 7260 to (#)
		TD-15BGF 21281 to (#)
		TD-15BGS 21676 to (#)
	15 210 D	SCREW, 3/8 x 3/4" hex-hd-dld cap (3)
	103 321	3/8" lock WASHER (3)
	103 341	13/32 x 13/16 x 16 ga. WASHER (3)
	278 026 R1	WIRE, bulk locking (14 ga) (customer must specify length required)
		(#) Serial Number Not Available
		(*) - Not Part Of Transmission Assembly.

TRANSMISSION

MEMORANDA

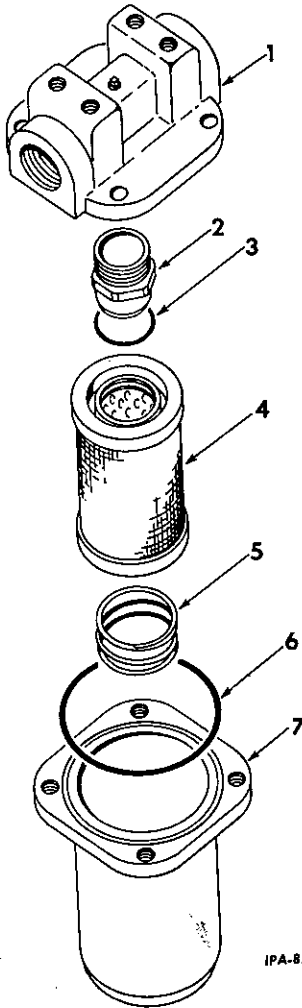
(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION CASE, COVER, SHIFTING FORKS AND RELATED PARTS - CONTINUED		
23	603 164 C11	COVER w/two DOWEL, 125 860, two DOWEL, 141 279 and PLUG, 270 835 R1
	271 500	7/16" NUT (9)
	179 864	7/16 x 1-3/4" hex-hd cap SCREW (9)
	103 322	7/16" lock WASHER (9)
24	141 279	DOWEL, 1/2 x 3/4" (2)
25	334 119 R1	GASKET, gear shifter housing
26	327 851 R1	HOUSING, gear shifter
	271 508	7/16" NUT (4)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)
	186 292	7/16 x 4-1/4" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (7)
27	270 835 R1	PLUG, 3/4" csk pipe
28	350 667 R1	"O" RING, gear shifter lower shaft (11/16 x 7/8 x 3/32")
29	19 885 R1	PIN, 1/4 x 1-3/8" spirol
30	327 866 R2	SHAFT, gear shifter lower
31	327 864 R11	FORK, forward and reverse gear shifter
32	327 853 R11	FORK, first and second gear shifter
33	9 409 949	PLUG, 3/4" sq-soc pipe (2)
34	327 867 R1	POPPET, forward and reverse gear shifter
35	269 908 R1	SPRING, forward and reverse gear shifter poppet
36	120 428	GASKET, forward and reverse gear shifter poppet plug
37	19 884 R1	PLUG, forward and reverse gear shifter poppet
38	54 441 D	PLUG, transmission case cup (used with CASE, 334 847 R11) (3)
38	373 553 R1	PLUG, transmission case cup (used with CASE, 334 847 R21) (3)
39	373 553 R1	PLUG, transmission case cup (used with CASE, 334 847 R21)

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL FILTER
 (Ripley)
 TD-15BG 20042 to *
 TD-15B(Agr)BGA 20042 to *
 TD-15BGF 21281 to *
 TD-15BGS 21676 to *



TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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TRANSMISSION OIL FILTER - CONTINUED
 (Ripley)
 TD-15BG 20042 to *
 TD-15B(Agr)BGA 20042 to *
 TD-15BGF 21281 to *
 TD-15BGS 21676 to *

1		HEAD, filter (Not Furnished Separately)
2	346 823 R1	FITTING (Filter A)
3	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
4	346 821 R91	ELEMENT w/"O" RING, 708 560 R1, filter
5	346 822 R1	SPRING
6	354 836 R1	"O" RING, 3-1/4 x 3-1/2 x 1/8"
7		BODY, filter (Not Furnished Separately)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicates the part is used for all filters listed below. Letters A and B are used to identify separate filters.

A	346 820 R91	FILTER ASSY, transmission oil (ODIH-1000 - 100) (Order FILTER, 610 795 C91)
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
B	610-795 C91	FILTER ASSY, transmission oil (ODIH-1000 - A) (Will work for FILTER, 346 820 R91)
	179 880	1/2 x 7/8" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)

* - Serial Number Not Yet Available

TRANSMISSION

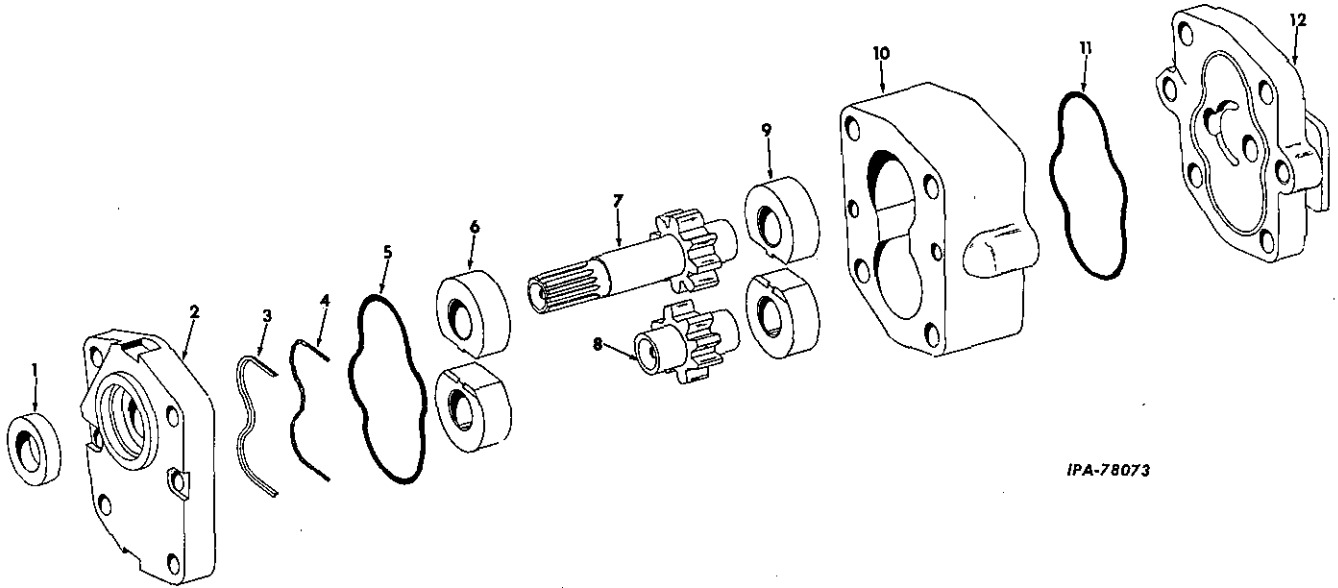
(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL PUMP
(Wooster)
TD-15BG 7260 to 22062
TD-15B(Agr)BGA 7260 to 22062
TD-15BGF 21281 to 22062
TD-15BGS 21676 to 22062

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

TRANSMISSION OIL PUMP - CONTINUED
(Wooster)
TD-15BG 7260 to 22062
TD-15B(Agr)BGA 7260 to 22062
TD-15BGF 21281 to 22062
TD-15BGS 21276 to 22062



IPA-78073

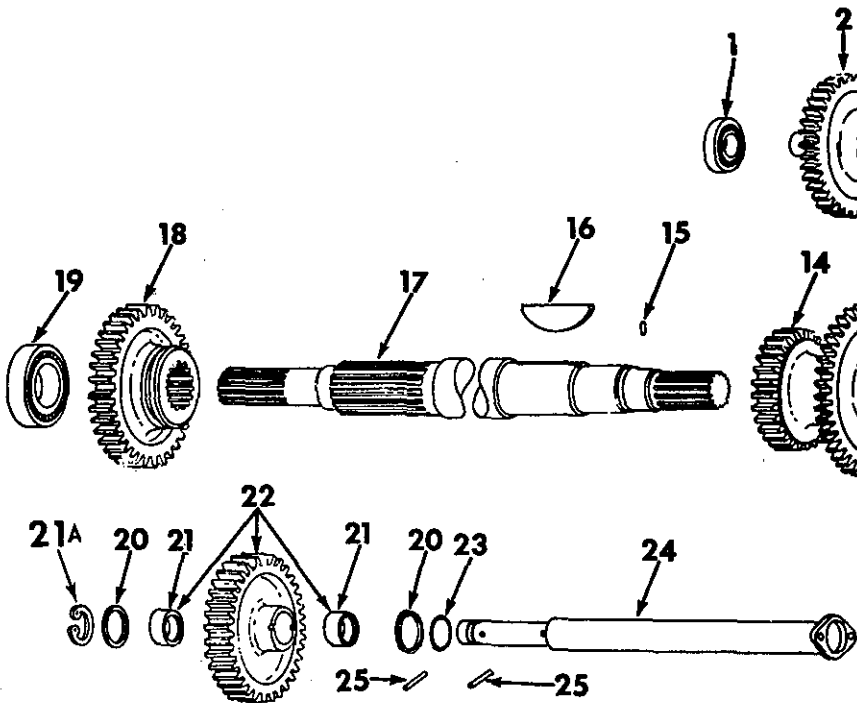
REF. NO.	I. H. PART NUMBER	DESCRIPTION
	603 549 C91	PUMP ASSY, transmission oil (consists of the following parts -
1	383 021 R1	SEAL, shaft
2	603 577 C1	COVER, front 1/4 x 1/2" hex-soc-hd SCREW (2)
3	383 020 R1	SPACER
4	383 019 R1	SEAL, gasket
5	383 017 R1	"O" RING, 2-9/16 x 2-3/4 x 3/32"
6	603 579 C1	BEARING (2)
7	603 580 C1	GEAR, drive

REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	603 581 C1	GEAR, driven
9	603 579 C1	BEARING (2)
10	603 578 C1	BODY
11	383 018 R1	"O" RING, 2-11/16 x 2-7/8 x 3/32"
12	603 582 C1 179 848	COVER, rear 3/8 x 2-1/4" hex-hd cap SCREW (2)
	316 609 R1	GASKET, pump (not part of pump assy)
	250 884 R1	WASHER
	603 583 C1	WASHER

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

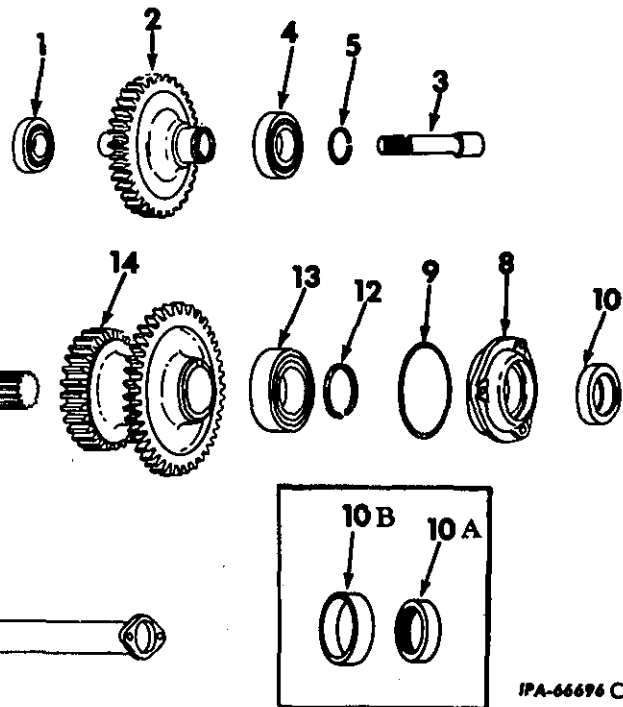
REVERSE IDLER GEAR, TRANSMISSION INPUT SHAFT AND FIFTH SPEED IDLER SHAFT



TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REVERSE IDLER GEAR, TRANSMISSION INPUT SHAFT AND FIFTH SPEED IDLER SHAFT - CONTINUED



IPA-66696 C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	606 161 C91	BEARING, reverse idler rear
2	616 460 C1	GEAR, reverse idler (used with TRANSMISSION, 703 366 C91 and 703 367 C91)
2	603 163 C1	GEAR, reverse idler (used with TRANSMISSION, 331 955 R93 and 603 195 C92)
3	603 200 C11	COUPLING, transmission oil pump (used with TRANSMISSION, 331 955 R93 and 603 195 C92)
4	ST 205 A	BEARING, reverse idler front
5	359 141 R1	RING, reverse idler front bearing snap
8	325 015 R2	HOUSING, input shaft oil seal (See NOTE A) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
8	609 515 C1	HOUSING, input shaft oil seal and bearing retainer (Used on units equipped with NOTE A) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
8	609 513 C1	HOUSING, input shaft oil seal TD-15BG 20516 up TD-15B(Agr)BGA 20516 up TD-15BCGF 21281 up TD-15BGS 21676 up
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (used with HOUSING, 325 015 R2) (3)
	610 081 C1	BOLT, 7/16 x 1-1/8" (Used with HOUSING, 609 513 C1) (3)
	103 322	7/16" lock WASHER (3)
9	610 411 C1	"O" RING, input shaft oil seal housing (3-1/2 x 3-3/4 x 1/8")

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	321 972 R91	SEAL and ROTOR, transmission input shaft (See NOTE A) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
10	619 586 C91	SEAL and ROTOR, transmission input shaft TD-15BG 20516 up TD-15B(Agr)BGA 20516 up TD-15BCGF 21281 up TD-15BGS 21676 up
10A	619 584 C91	SEAL, input shaft oil (Used on units equipped with NOTE A) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
10B	610 026 C1	SLEEVE, wear (used on units equipped with NOTE A) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
12	358 236 R1	RING, transmission input shaft bearing snap
13	ST 278	BEARING, transmission input shaft front
14	603 162 C1	GEAR, forward and reverse driving
15	141 127	PIN, 5/32 x 5/16" dowel (For use with SHAFT, 327 835 R1 when required)

NOTE A - For service order (1) HOUSING, 609 515 C1 (1) SEAL, 619 584 C91, (1) SLEEVE, 610 026 C1 and (1) RING, 610 411 C1

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TRANSMISSION

MEMORANDA

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REVERSE IDLER GEAR, TRANSMISSION INPUT SHAFT AND FIFTH SPEED IDLER SHAFT - CONTINUED

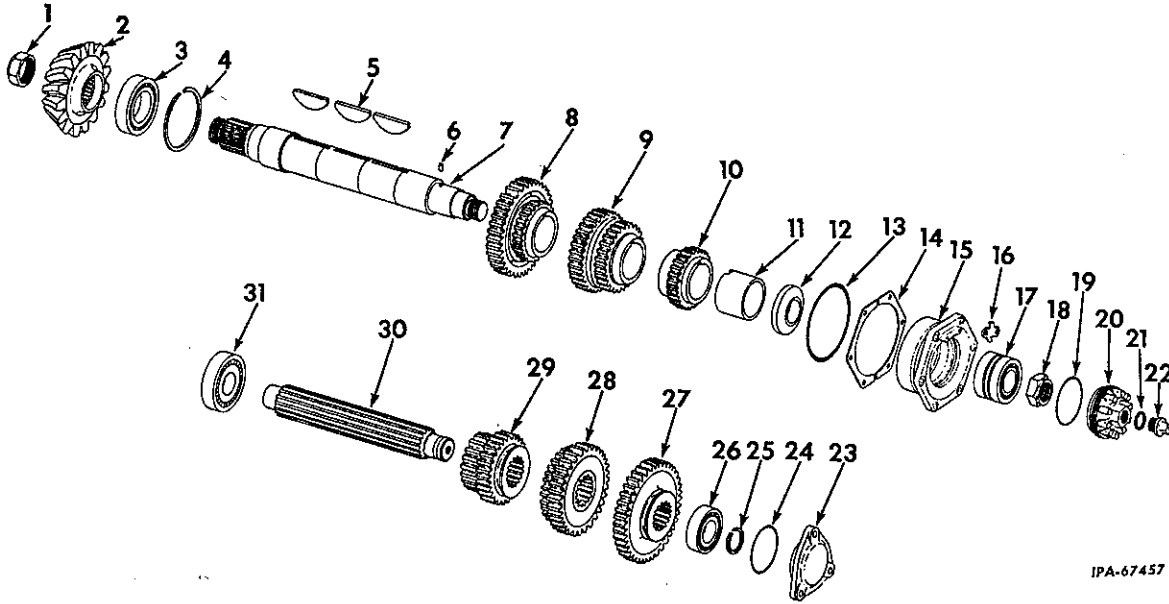
16	12 484 R1	KEY, forward and reverse driving gear (Woodruff No. 30)
17	327 835 R1	SHAFT, transmission input (See NOTE B) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
17	609 512 C1	SHAFT, transmission input TD-15BG 20516 up TD-15B(Agr)BGA 20516 up TD-15BCF 21281 up TD-15BGS 21676 up
18	603 161 C1	GEAR, fifth speed driving
19	321 966 R91	BEARING, transmission input rear
20	327 833 R1	WASHER, 5th speed idler gear thrust (2)
21	308 674 R91	BEARING (2)
21A	631 530 R1	RING, 5th speed idler shaft retainer
22	603 160 C11	GEAR w/two BEARING, 308 674 R91, 5th speed idler
23	252 483 R1	"O" RING, 5th speed idler shaft (1-1/4 x 1-1/2 x 1/8")
24	334 114 R11 179 860 103 322	SHAFT, 5th speed idler 7/16 x 1-1/4" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
25	141 118	PIN, 1/8 x 1-1/8" dowel (2)
	310 939 R1	"O" RING, transmission input shaft (1-3/4 x 2 x 1/8") (optional with 290 987 R1) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515
	290 987 R1	"O" RING, transmission input shaft (1-3/4 x 2 x 1/8") (optional with 310 939 R1) TD-15BG 7260 to 20515 TD-15B(Agr)BGA 7260 to 20515

NOTE B - For service order (3) BOLT,
610 081 C1 (1) HOUSING,
609 513 C1 (1) SEAL, 610 025 C91,
(1) SHAFT, 609 512 C1 (1) RING,
610 411 C1 and (1) YOKE,
609 514 C11

TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS



IPA-67457

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	19 829 R1	NUT, bevel pinion retainer
2	325 055 R1	PINION, bevel (*)
3	321 967 R91	BEARING, pinion rear
4	324 049 R1	RING, rear bearing bevel pinion retainer
5	12 484 R1	KEY, driven gear (3)
6	141 127	PIN, 5/32 x 5/16" dowel
7	327 839 R1	SHAFT, bevel pinion
8	603 225 C1	GEAR, first and fifth speed driven (44-26T) (†)
8	603 154 C1	GEAR, first and fifth speed driven (42-26T) (%)
9	603 155 C1	GEAR, second and third speed driven (34-30T) (%)
9	603 226 C1	GEAR, second and third speed driven (39-35T) (†)
10	603 156 C1	GEAR, fourth speed driven (27T) (%)
10	603 227 C1	GEAR, fourth speed driven (29T) (†)
11	325 003 R1	SPACER, bevel pinion shaft rear
12	325 004 R1	SPACER, bevel pinion shaft front
13	610 415 C1	"O" RING, bevel pinion shaft bearing cage (4-7/8 x 5-3/8 x 1/4")
14	334 686 R1	SHIM, bevel pinion shaft (medium) (.015") (X)
14	334 687 R1	SHIM, bevel pinion shaft (light) (.007") (X)
14	334 688 R1	SHIM, bevel pinion shaft (extra light) (.004") (X)
15	334 685 R2	CAGE, pinion shaft bearing
	179 862	7/16 x 1-1/2" hex-hd cap SCREW (6)
	103 322	7/16" lock WASHER (6)
16	325 007 R1	LOCK, bevel pinion shaft front bearing retainer
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
17	321 969 R91	BEARING, bevel pinion shaft front
18	19 499 R1	NUT, bevel pinion shaft front

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TRANSMISSION

(FOR MANUAL SHIFT CRAWLER TRACTORS)

BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS - CONTINUED

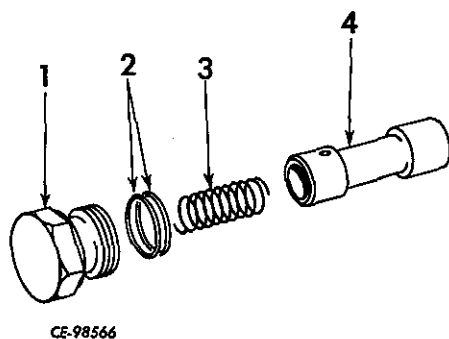
REF. NO.	I.H. PART NUMBER	DESCRIPTION
19	285 723 R1	"O" RING, bevel pinion shaft front bearing retainer (3-1/8 x 3-3/8 x 1/8")
20	325 005 R1	RETAINER, bevel pinion shaft front bearing
21	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug
22	269 909 R2	PLUG, bevel pinion shaft front bearing retainer
23	603 206 C1	CAP, spline shaft bearing
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)
	103 322	7/16" lock WASHER (3)
24	259 246 R1	"O" RING, spline shaft bearing cap (3-7/8 x 4-1/8 x 1/8") (optional with 309 078 R1)
24	309 078 R1	"O" RING, spline shaft bearing cap (3-7/8 x 4-1/8 x 1/8") (optional with 259 246 R1)
25	359 894 R1	RING, spline shaft front bearing snap
26	ST 293	BEARING, spline shaft front
27	603 159 C1	GEAR, forward and reverse driven (45T)
28	603 229 C1	GEAR, third and fourth speed driving (38-32T) (†)
28	603 158 C1	GEAR, third and fourth speed driving (37-40T) (%)
29	603 228 C1	GEAR, first and second speed driving (27-23T) (†)
29	603 157 C1	GEAR, first and second speed driving (25-33T) (%)
30	603 205 C1	SHAFT, spline
31	324 015 R91	BEARING, spline shaft rear
	334 226 R1	GEAR, drive bevel (*)
	331 786 R91	GEAR, 334 226 R1 and PINION, 325 055 R1, drive bevel (matched set) (*)

(†) - Manual Shift Backfiller and Sideboom Crawler Tractors.
 (%) - Agr. and Custom Crawler Tractors.
 (*) - Also Listed And Illustrated With "Steering Planetary Drive."
 X - As Required.

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TRANSMISSION
(FOR MANUAL SHIFT CRAWLER TRACTORS)

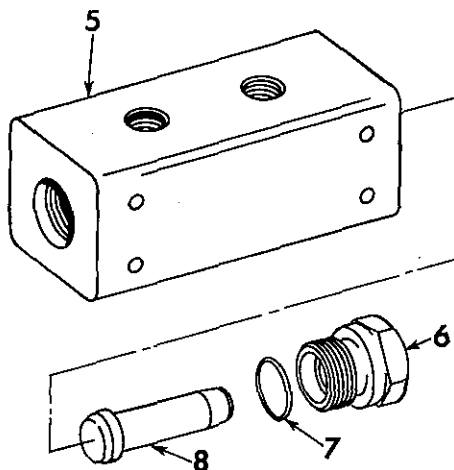
DIVERTER VALVE
(Webster Electric Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	654 180 C91	DIVERTER VALVE ASSEMBLY
	179 806	SCREW, 1/4 x 2-1/4" hex-hd cap (4)
	120 392	WASHER, 9/32 x 5/8" x 16 ga (4)
	19 592 R1	NUT, 1/4" nylon (4)
		(Consists of the following parts -
1	627 710 C1	PLUG
2	364 885 R1	"O" RING (2)
3	627 709 C1	SPRING
4		SPOOL (Not furnished separately)
5		HOUSING (Not furnished separately)

TRANSMISSION
(FOR MANUAL SHIFT CRAWLER TRACTORS)

DIVERTER VALVE - Continued
(Webster Electric Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	627 708 C1	PLUG w/SEAL, 398 691 R91
7	627 711 C1	"O" RING (.50 x .62 x .070)
8		SPOOL (Not furnished separately)
	398 691 R91	SEAL (used with PLUG, 627 708 C1)
	654 206 C1	SUPPORT, diverter valve
	102 637	NUT, 1/2" (2)
	20 651 R1	SCREW, 1/2 x 1" hex-hd cap
	20 734 R1	SCREW, 1/2 x 2-1/2" hex-hd cap (2)
	613 454 C1	WASHER (3)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

TRANSMISSION

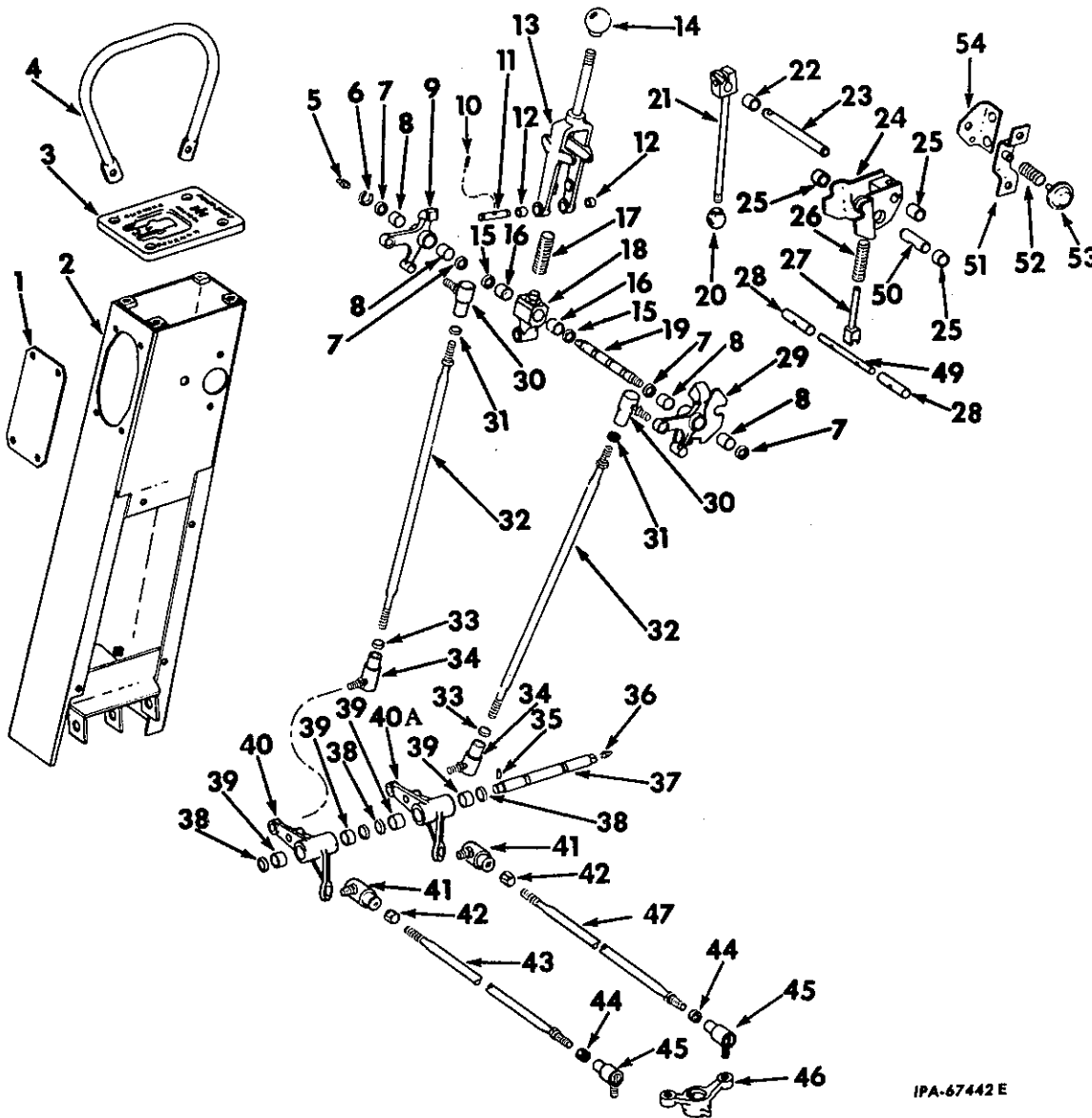
(FOR POWER SHIFT CRAWLER TRACTORS)

GEAR SELECTOR LEVER AND RELATED PARTS

TD-15BP 6001 to 22000
TD-15BPS 9371 to 22000

GEAR SELECTOR LEVER AND RELATED PARTS - CONTINUED

TD-15BP 6001 to 22000
TD-15BPS 9371 to 22000



IPA-67442 E

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 670 R1	PLATE, gear selector linkage access cover (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (8)
	103 321	3/8" lock WASHER (8)
2	334 654 R11	HOUSING w/two BUSHING, 304 483 R1, gear selector controls
	179 858	7/16 x 1" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
3	331 719 R1	GATE, gear selector hand lever (Not for sideboom crawler tractors)
		TD-15BP 6001 to 7030
		(Order the following parts -
	1	GATE 331 719 R2
	1	PLATE 603 745 C91)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
3	331 719 R2	GATE, gear selector hand lever (Not for sideboom crawler tractors)
		TD-15BP 7031 to 22000
	133 891	3/8 x 3/4" f-hd SCREW (4)
3	331 718 R2	GATE, gear selector hand lever (for sideboom crawler tractors)
		TD-15BPS 9371 to 22000
	133 891	3/8 x 3/4" f-hd SCREW (4)
4	334 664 R1	GUARD, gear selector hand lever
	179 856	7/16 x 3/4" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
5	66 584 D	FITTING, bellcrank shaft lubrication (used with SHAFT. 334 635 R1)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
GEAR SELECTOR LEVER AND RELATED PARTS - CONTINUED		
TD-15BP 6001 to 22000		
TD-15BPS 9371 to 22000		
5	109 461	FITTING, 3/16" straight lubrication (used with SHAFT, 345 508 R2)
6	269 174 R1	RING, selector lever shaft snap
7	336 181 R91	SEAL, bellcrank (4)
8	336 180 R91	BEARING, bellcrank (4)
9	334 632 R21	BELLCRANK w/two BEARING, 336 180 R91 and two SEAL, 336 181 R91, LH selector hand lever.
10	20 081 R1	PIN, spirol (3/32 x 3/4")
11	327 895 R2	PIN, gear selector hand lever to hub
12	604 167 C1	BUSHING, lever (2)
13	334 629 R41	LEVER w/two BUSHING, 604 167 C1 gear selector hand
14	264 055 R2	BALL, gear selector hand lever
15	336 181 R91	SEAL, hub (2)
16	336 180 R91	BEARING, hub (2)
17	69 806 D	SPRING, hand lever return
18	334 631 R11	HUB w/two BEARING, 336 180 R91 and two SEAL, 336 181 R91, gear selector hand lever
19	345 508 R2	SHAFT, selector lever hub and bellcrank (will work for SHAFT, 334 635 R1)
	271 500	7/16" NUT
	103 322	7/16" lock WASHER
20	307 839 R1	BALL, safety lock lever
21	334 648 R91	LEVER, safety lock
	181 397	7/16NF x 1-1/4" hex-hd cap SCREW
	103 322	7/16" lock WASHER
22	304 483 R1	BUSHING, safety lock shaft (2)
23	331 940 R1	SHAFT, safety lock lever
24	331 945 R91	CAM w/two BUSHING, 327 466 R1 safety lock
	181 397	7/16NF x 1-1/4" hex-hd cap SCREW
	103 322	7/16" lock WASHER
25	327 466 R1	BUSHING, safety lock cam (2)
26	331 953 R2	SPRING, safety lock
27	327 912 R2	GUIDE, spring
28	331 949 R1	SPACER, guide (2)
		1/8 x 3/4" cotter PIN (2)
29	334 633 R21	BELLCRANK w/two BEARING, 336 180 R91 and two SEAL, 336 181 R91, RH selector hand lever
30	347 638 R91	JOINT, selector hand lever ball (2)
		3/8" internal tooth lock WASHER (2)
31		NUT, 3/8NF (2)
32	604 322 C1	LINK, upper adjustable (2)
33	110 814	NUT, 3/8NF (LH thread) (2)
34	347 639 R91	JOINT, selector hand lever ball (LH thread) (2)
		3/8" internal tooth lock WASHER (2)
35	364 436 R1	PIN, spirol (3/16 x 1")
36	66 584 D	FITTING, bellcrank shaft lubrication (used with SHAFT, 334 653 R1)
36	109 461	FITTING, 3/16" straight drive type lubrication (used with SHAFT, 345 509 R2)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
GEAR SELECTOR LEVER AND RELATED PARTS - CONTINUED		
TD-15BP 6001 to 22000		
TD-15BPS 9371 to 22000		
37	345 509 R2	SHAFT, lower bellcrank (will work for SHAFT, 334 653 R1)
38	336 181 R91	SEAL, bellcrank (4)
39	336 180 R91	BEARING, bellcrank (4)
40	334 645 R11	BELLCRANK w/two BEARING, 336 180 R91 and two SEAL, 336 181 R91, rear lower rod
40A	334 645 R11	BELLCRANK w/two BEARING, 336 180 R91 and two SEAL, 336 181 R91, front lower rod
41	347 639 R91	JOINT, selector lever lower ball (LH thread) (2)
	115 549	3/8" internal tooth lock WASHER (2)
42	110 814	NUT, 3/8NF (LH thread) (2)
43	604 319 C91	LINK, gear selector lower (reverse)
44	103 026	NUT, 3/8NF (2)
45	347 638 R91	JOINT, selector lever lower ball (2)
	115 549	3/8" internal tooth lock WASHER (2)
46	334 647 R1	LEVER, transmission speed selector
	102 635	3/8" NUT
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER
47	604 320 C91	LINK, gear selector lower (forward)
49	331 948 R2	SHAFT, guide
50	327 910 R2	SHAFT, safety lock
51	334 667 R11	SUPPORT, starter button
		TD-15BP 6001 to 20317
		TD-15BPS 9371 to 20317
51	604 841 C91	SUPPORT, starter button
		TD-15BP 20318 to 22000
		TD-15BPS 20318 to 22000
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
52	334 666 R1	SPRING, push button
		TD-15BP 6001 to 20317
		TD-15BPS 9371 to 20317
52	604 840 C1	SPRING, push button
		TD-15BP 20318 to 22000
		TD-15BPS 20318 to 22000
53	334 665 R11	BUTTON, starting switch push
		TD-15BP 6001 to 20317
		TD-15BPS 4371 to 20317
53	604 838 C11	BUTTON, starting switch push
		TD-15BP 20318 to 22000
		TD-15BPS 20318 to 22000
54	334 669 R11	SUPPORT, starter switch
		TD-15BP 6001 to 20317
		TD-15BPS 9371 to 20317
54	604 837 C11	SUPPORT, starter switch
		TD-15BP 20318 to 21070
		TD-15BPS 20318 to 21070
		Order the following parts -
		1 SUPPORT 700 392 C1
		1 SWITCH 700 395 C91
54	700 392 C1	SUPPORT, starter switch
		TD-15BP 21071 to 22000
		TD-15BPS 21077 to 22000
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16 x 16 ga flat WASHER

TRANSMISSION

MEMORANDA

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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GEAR SELECTOR LEVER AND RELATED PARTS - CONTINUED
 TD-15BP 6001 to 22000
 TD-15BPS 9371 to 22000

703 264 C91	PACKAGE, transmission controls field improvement (%) TD-15BP 6001 to 22000 TD-15BPS 9371 to 22000 (Composed of -	
1	ADAPTER, neutral hose	9 409 910
1	ELBOW, neutral hose (not used on TD-15 Series B Tractors)	307 858 R1
6	ELBOW, range selector valve	9 402 824
1	GASKET, hydraulic valve spacer	616 302 C1
1	GROMMET, switch harness	617 259 C1
1	HARNESS, starting switch	338 057 R92
1	MANIFOLD w/HOSES, selector valve (for components see list of parts under details of "Hydraulic Transmission Controls and Related Parts" TD-15B 22001 up; TD-15BPS 22001 up)	
2	3/8 x 1-1/4" hex-hd cap SCREW	179 841
2	3/8" lock WASHER	103 321
1	PLUG, decelerator drain tube inlet (in torque converter housing)	444 613
3	PLUG, range selector valve	444 652
10	RING, selector valve manifold sealing	355 966 R1
5	RING, selector valve sealing	379 181 R1
1	RING, selector valve sealing	574 069 R1
1	SPACER, hydraulic valve	616 301 C1
8	BOLT, valve spacer	617 028 C1
8	5/16" lock WASHER	
1	SWITCH, starting	700 395 C91
1	TOWER ASSY, hydraulic control (for components see list of parts under details of "Hydraulic Transmission Controls and Related Parts" TD-15BP 22001 up; TD-15BPS 22001 up)	
1	VALVE ASSY, range selector (for components see list of parts under details of "Range Selector Valve" TD-15BP 22001 up; TD-15BPS 22001 up)	700 021 C91
3	3/8 x 2-1/2" hex-hd cap SCREW	179 849
3	3/8" lock WASHER	103 321)

(%) - Package No Longer Available - Service Parts Will be Furnished as Ordered.

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MEMORANDA

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TRANSMISSION

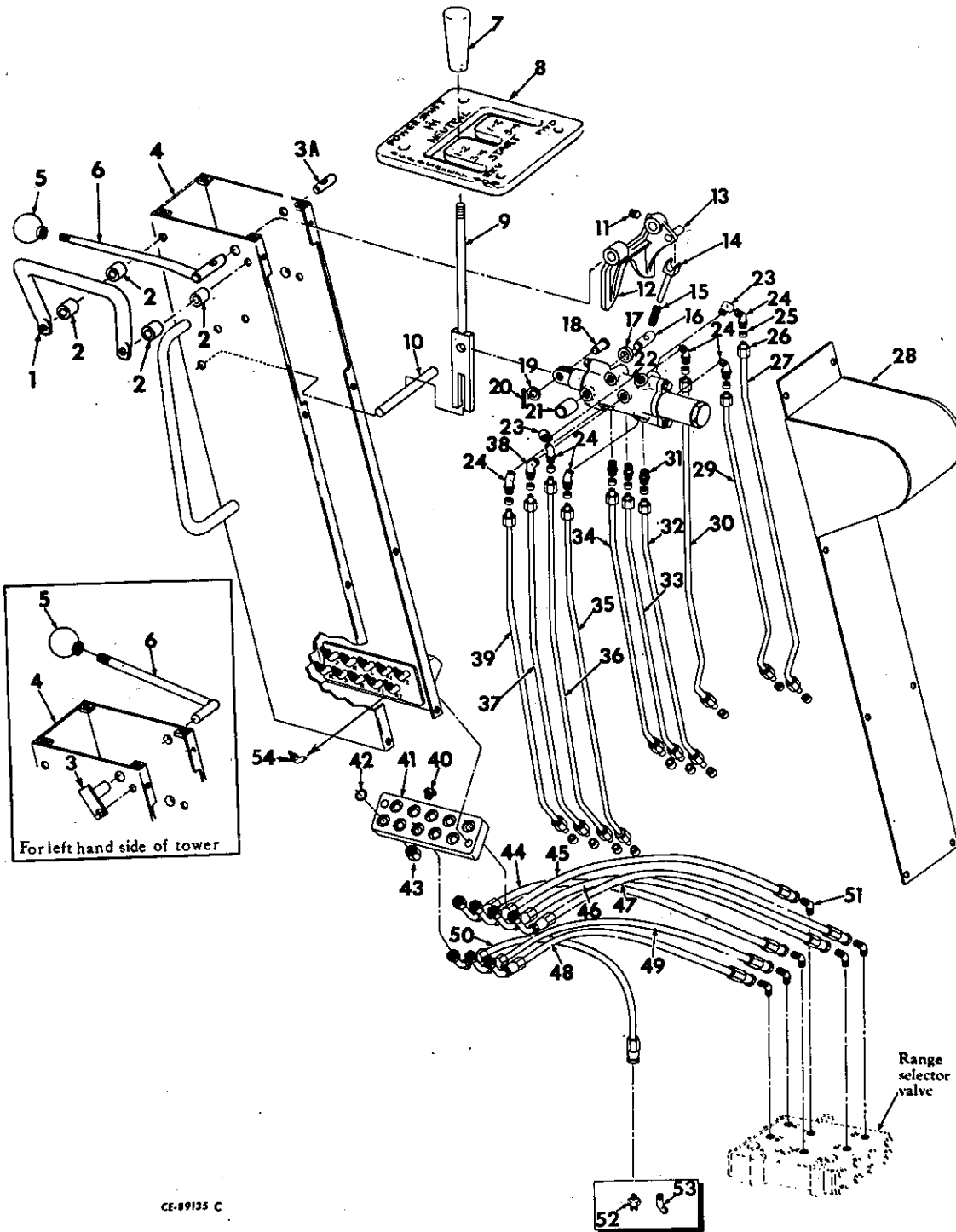
(FOR POWER SHIFT CRAWLER TRACTORS)

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS
TD-15BP 22001 to 23071
TD-15BPS 22001 to 23071

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED
TD-15BP 22001 to 23071
TD-15BPS 22001 to 23071



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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED TD-15BP 22001 to 23071 TD-15BPS 22001 to 23071		
		TOWER, hydraulic transmission control (Consists of the following parts - except as noted -
1	334 664 R1 179 865 446 220 103 322 179 869	GUARD, pilot control valve lever 7/16 x 1-7/8" hex-hd cap SCREW (for L. H. side of tower) (2) 1/2 x 1-1/8" x 14 ga flat WASHER (forward end only) (2) 7/16" lock WASHER (2) 7/16 x 2-3/4" hex-hd cap SCREW (for R. H. side of tower) (2)
2	17 527 D	SPACER, lever guard (2)
3	700 036 C1	SHAFT, safety lock (for L. H. side of tower)
3A	620 048 C1	SHAFT, safety lock (for R. H. side of tower)
4	700 033 C3 179 859 103 322	HOUSING w/JUNCTION BLOCK, control tower 7/16 x 1-1/8" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
5	307 839 R1	KNOB, safety lock lever
6	700 035 C1	LEVER, safety lock
7	347 768 R1	HANDLE, pilot control valve lever
8	617 258 C1 179 837	GATE, gear shifter lever 3/8 x 3/4" flat-hd SCREW (4)
9	700 032 C1	LEVER, pilot control valve
10	617 112 C1 179 837 103 321	PIN, pilot control valve lever pilot 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
11	617 256 C1	SCREW, safety lock lever set (2)
12	700 034 C1	BRACKET w/PIN, 616 270 C1, safety lock cam
13	616 270 C1	PIN, safety lock cam bracket
14	327 912 R3	GUIDE, safety lock spring
15	331 953 R2	SPRING, safety lock
16	327 910 R2	SHAFT, safety lock pivot
17	617 068 C1	BUSHING, safety lock pivot
18	27 128 H	PIN, rod end
19	52 917 R1	WASHER, pilot control valve lever
20	103 384	PIN, 1/8 x 3/4" cotter
21	617 113 C1	SPACER, pilot control valve (4)
22	700 030 C92 179 844 103 321	VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve") 3/8 x 1-5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
23	9 409 931	ELBOW, 1/8 x 90° street (pilot control valve) (R1 and F1 positions) (2)
24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)
25	915 500 R1	SLEEVE, tube (20)
26	915 499 R1	NUT, tube (20)
27	617 095 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "R1" position on pilot valve to "R1" position on junction block
28	700 037 C1 179 837 103 321	COVER, control tower housing 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
29	617 094 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F2" position on pilot valve to "F2" position on junction block
30	616 267 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "R" position on pilot valve to "R" position on junction block

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED TD-15BP 22001 to 23071 TD-15BPS 22001 to 23071		
31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
32	617 096 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "L" position on pilot control valve to "L" position on junction block
33	617 096 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "M" position on pilot control valve to "M" position on junction block
34	617 096 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "P" position on pilot control valve to "P" position on junction block
35	617 098 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 511 R1, "R2" position on pilot control valve to "R2" position on junction block
36	617 106 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F1" position on pilot control valve to "F1" position on junction block
37	617 097 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "N" position on pilot control valve to "N" position on junction block
38	319 615 R1	ELBOW, pilot control valve ("N" position)
39	616 266 C11	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F" position on pilot control valve to "F" position on junction block
40	444 613	PLUG, 1/8" sq-hd pipe (*)
41	703 250 C1 179 841 103 321	MANIFOLD, transmission selector valve (*) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (*) (10)
43	9 403 370	CAP, 5/16" hex-hd (*) (3)
44	702 432 C2	HOSE w/FITTINGS, "M" position on manifold-to-"M" position on transmission range selector valve (*)
45	702 432 C2	HOSE w/FITTINGS, "L" position on manifold-to-"L" position on transmission range selector valve (*)
46	702 432 C2	HOSE w/FITTINGS, "R1" position on manifold-to-"R1" position on transmission range selector valve (*)
47	702 432 C2	HOSE w/FITTINGS, "F2" position on manifold-to-"F2" position on transmission range selector valve (*)
48	702 432 C2	HOSE w/FITTINGS, "R2" position on manifold-to-"R2" position on transmission range selector valve (*)
49	702 432 C2	HOSE w/FITTINGS, "F1" position on manifold-to-"F1" position on transmission range selector valve (*)
50	702 434 C2	HOSE w/FITTINGS, "N" position on manifold-to-hi-lo shifter housing on transmission (*)
51	9 402 824	ELBOW, range selector valve (*) (6)
52	9 409 910	ADAPTER, neutral hose (*)
53		NOT USED
	327 273 R91	STRAP, hose (*) (2)
54	615 307 C1	ELBOW, junction block tower (10) TD-15BP 22171 to 23071 TD-15BG 22171 to 23071
(*) - Not Part of Tower Assy.		

TRANSMISSION

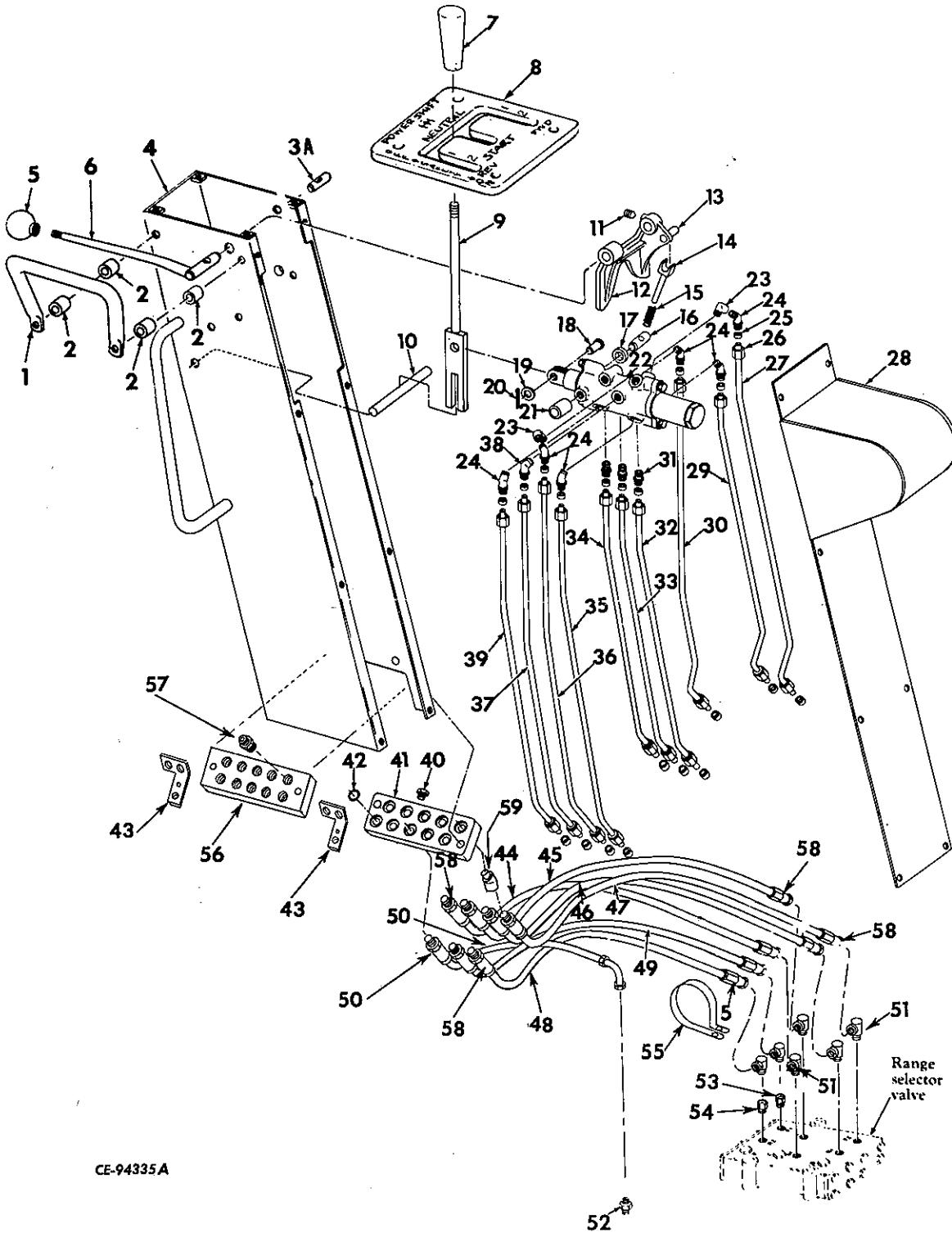
(FOR POWER SHIFT CRAWLER TRACTORS)

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS
TD-15BP 23072 up
TD-15BPS 23072 up

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED
TD-15BP 23072 up
TD-15BPS 23072 up



CE-94335A

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED		
TD-15BP 23072 up		
TD-15BPS 23072 up		
		TOWER, hydraulic transmission control (Consists of the following parts - except as noted -
1	334 664 R1 179 882 103 322 179 869	GUARD, pilot control valve lever 1/2 x 1-1/8" x 14 ga flat WASHER (2) 7/16" lock WASHER (2) 7/16 x 2-3/4" hex-hd cap SCREW (2)
2	17 527 D	SPACER, lever guard (2)
3A	620 048 C1	SHAFT, safety lock
4	620 366 C1 179 859 103 322	HOUSING, control tower 7/16 x 1-1/8" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
5	307 839 R1	KNOB, safety lock lever
6	700 035 C1	LEVER, safety lock
7	347 768 R1	HANDLE, pilot control valve lever
8	617 258 C1 179 837	GATE, gear shifter lever 3/8 x 3/4" flat-hd SCREW (4)
9	700 032 C1	LEVER, pilot control valve
10	617 112 C1 179 837 103 321	PIN, pilot control valve lever pilot 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
11	617 256 C1	SCREW, safety lock lever set (2)
12	700 034 C1	BRACKET w/PIN, 616 270 C1, safety lock cam
13	616 270 C1	PIN, safety lock cam bracket
14	327 912 R3	GUIDE, safety lock spring
15	331 953 R2	SPRING, safety lock
16	327 910 R2	SHAFT, safety lock pivot
17	617 068 C1	BUSHING, safety lock pivot
18	27 128 H	PIN, rod end
19	52 917 R1	WASHER, pilot control valve lever
20	103 384	PIN, 1/8 x 3/4" cotter
21	617 113 C1	SPACER, pilot control valve (4)
22	700 030 C92 179 844 103 321	VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve") 3/8 x 1-5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
23	9 409 931	ELBOW, 1/8 x 90° street (pilot control valve) (R1 and F1 positions) (2)
24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)
25	915 500 R1	SLEEVE, tube (20)
26	915 499 R1	NUT, tube (20)
27	620 373 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "R1" position on pilot valve to "R1" position on junction block
28	700 037 C1 179 837 103 321	COVER, control tower housing 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - CONTINUED		
TD-15BP 23072 up		
TD-15BPS 23072 up		
29	620 371 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F2" position on pilot valve to "F2" position on junction block
30	620 385 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "R" position on pilot valve to "R" position on junction block
31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
32	620 375 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "L" position on pilot control valve to "L" position on junction block
33	620 375 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "M" position on pilot control valve to "M" position on junction block
34	620 375 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "P" position on pilot control valve to "P" position on junction block
35	620 379 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "R2" position on pilot control valve to "R2" position on junction block
36	620 381 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F1" position on pilot control valve to "F1" position on junction block
37	620 377 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "N" position on pilot control valve to "N" position on junction block
38	319 615 R1	ELBOW, pilot control valve ("N" position)
39	620 383 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, "F" position on pilot control valve to "F" position on junction block
40	444 613	PLUG, 1/8" sq-hd pipe (*) (3)
41	620 369 C1 179 841 103 321	MANIFOLD, transmission selector valve (*) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (*) (10)
43	620 387 C1	BRACKET, tower manifold (2) 1/4 x 3/4" hex-hd cap SCREW (2) 7/16 x 7/8" hex-hd cap SCREW (2) 1/4" lock WASHER (2) 7/16" lock WASHER (2)
44	625 899 C91	HOSE w/two FITTINGS, 317 767 R91, "M" position on manifold to "M" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)
44		HOSE w/o FITTINGS cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)
45	625 899 C91	HOSE w/two FITTINGS, 317 767 R91, "L" position on manifold to "L" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)
45		HOSE w/o FITTINGS, cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)

(*) - Not Part of Tower Assy

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TRANSMISSION CONTROLS AND RELATED

PARTS - CONTINUED
TD-15BP 23072 up
TD-15BPS 23072 up

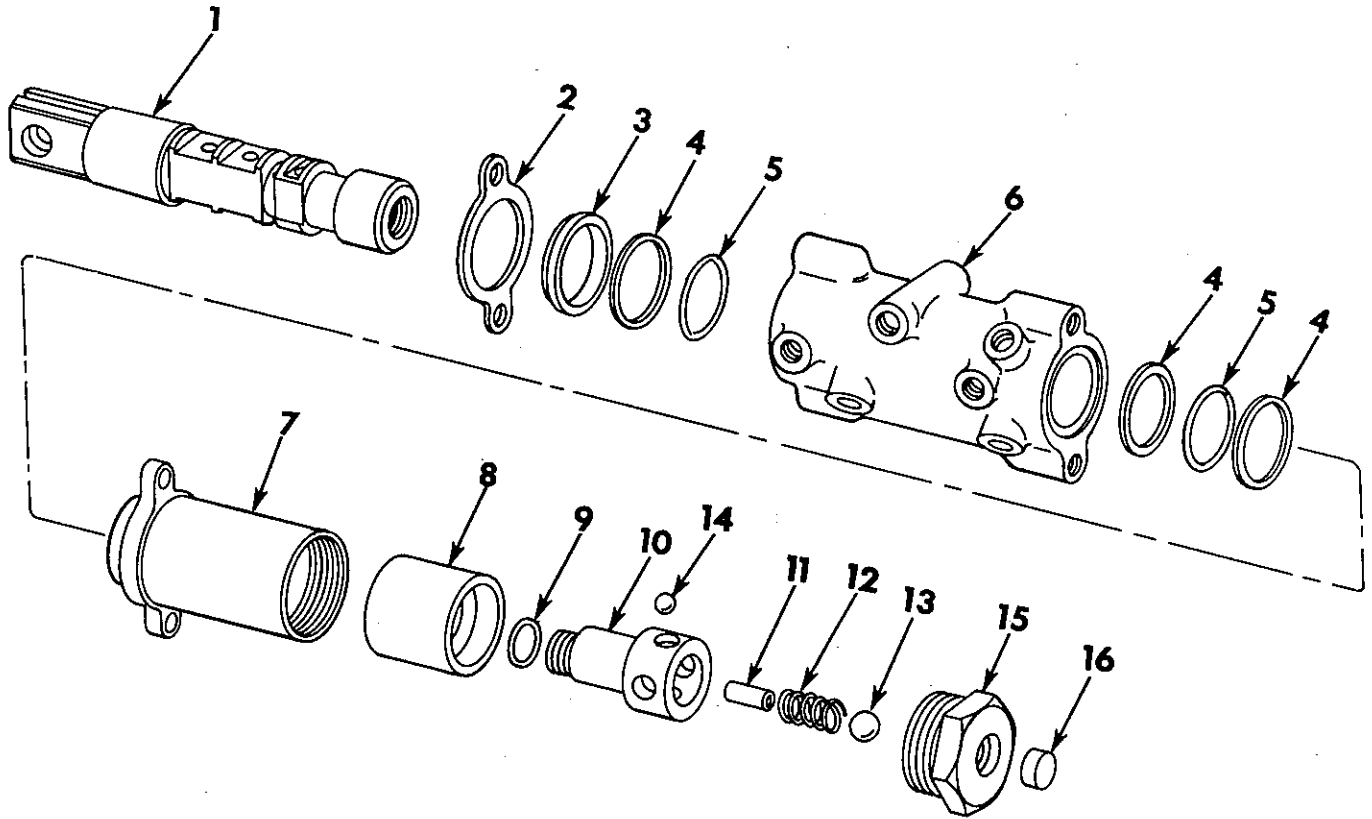
46	625 899 C91	HOSE w/two FITTINGS, 317 767 R91, "R1" position on manifold to "R1" position on transmission range selector valve (Hose 3/16"ID x 30" long including fittings) (*)
46		HOSE w/o FITTINGS, cut length 3/16"ID x 23 28" long cut from bulk hose 319 705 R1 (*)
47	625 899 C91	HOSE w/two FITTINGS, 317 767 R91, "F2" position on manifold to "F2" position on transmission range selector valve (Hose 3/16"ID x 30" long including fittings) (*)
47		HOSE w/o FITTINGS cut length 3/16"ID x 28" long cut from bulk hose 319 705 R1 (*)
48	625 899 C91	HOSE w/two FITTINGS 317 767 R91, "R2" position on manifold to "R2" position on transmission range selector valve (Hose 3/16"ID x 30" long including fittings) (*)
48		HOSE w/o FITTINGS length 3/16"ID x 28" long cut from bulk hose 319 705 R1 (*)
49	625 899 C91	HOSE w/two FITTINGS 317 767 R91, "F1" position on manifold to "F1" position on transmission range selector valve (Hose 3/16"ID x 30" long including fittings) (*)
49		HOSE w/o FITTINGS cut length 3/8"ID x 28" long cut from bulk hose 319 705 R1 (*)
50	619 687 C1	HOSE w/FITTINGS, "N" position on manifold-to-hi-lo shifter housing on transmission (*)
51	307 989 R91	ELBOW, range selector valve (*) (6)
52	9 409 910	ADAPTER, neutral hose (*)
53	443 998	ADAPTER, range selector valve (in "F1" port)
54	443 998	ADAPTER, range selector valve (in "R2" port)
55	308 872 R1	CLAMP, hose (regulator valve spacer mounting bolt)
56	620 368 C1	MANIFOLD, tower
57	606 885 C1	CONNECTOR, tower manifold (10)
58	317 767 R91	FITTING, male pipe (used w/HOSE 619 682 C91) (12)
59	9 409 927	ELBOW, 45° 1/8" street pipe (6)
	327 273 R91	STRAP, hose (*) (2)
	319 705 R1	HOSE, 3/16" bulk (x) (*)

(*) - Not Part of Tower Assy
(x) - Order Cut Length As Required

MEMORANDA

TRANSMISSION (FOR POWER SHIFT CRAWLER TRACTORS)

PILOT CONTROL VALVE
TD-15BP 22001 up
TD-15BPS 22001 up



CE-89097

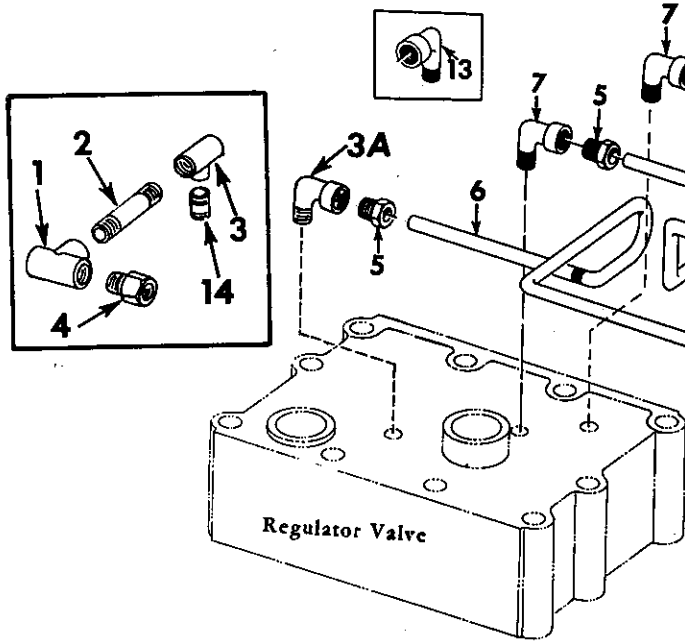
REF. NO.	I. H. PART NUMBER	DESCRIPTION
	700 030 C92	VALVE ASSY, pilot control (Composed of the following parts -
1	617 007 C1	SPOOL, valve
2	617 051 C1 179 814	RETAINER, spool seal 5/16 x 5/8" hex-hd cap SCREW (2)
3	617 020 C1	RING, spool wiper
4	617 522 C1	RING, back-up (3)
5	356 005 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8" (2)
6		BODY, valve (not furnished separately)
7	617 046 C1 616 268 C1	HOUSING, detent BOLT (optional with SCREW, 939 323 R1) (2)
	929 323 R1	SCREW (5/16 x 7/8" 12 pt.) (optional with 616 268 C1) (2)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	617 018 C1	SLEEVE, detent
9	369 384 R1	"O" RING, .414 x .558 x .072"
10	617 016 C1	EXTENSION, valve spool
11	17 145 R1	PIN, indexing ball stop
12	624 355 C1	SPRING, indexing
13	16 014 R1	BALL, indexing
14	16 011 R1	BALL, poppet (4)
15	616 269 C11	CAP w/PLUG, 376 429 R1, housing
16	376 429 R1	PLUG, cap

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

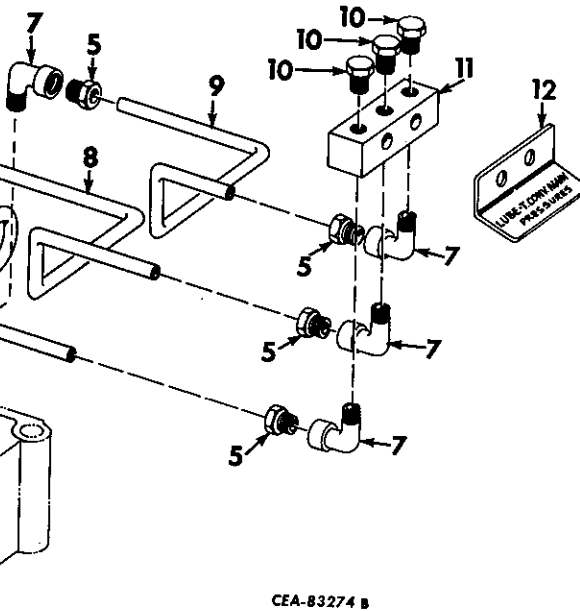
HYDRAULIC TEST CONNECTIONS



TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

HYDRAULIC TEST CONNECTIONS - CONTINUED



CEA-83274 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	9 409 935	TEE, regulator outlet TD-15BP 6001 to 25487 TD-15BPS 9371 to 25487
2	192 043	NIPPLE, regulator outlet elbow to tee TD-15BP 6001 to 25487 TD-15BPS 9371 to 25487
3	9 409 939	TEE, regulator outlet TD-15BP 20145 to 20415 TD-15BPS 20145 to 20415
3	9 409 935	TEE, regulator outlet TD-15BP 20416 to 25079 TD-15BPS 20416 to 25079
3A	9 409 923	ELBOW, 20 psi regulator outlet TD-15BP 25080 to 25487 TD-15BPS 25080 to 25487
3A	319 615 R1	ELBOW, 20 psi regulator outlet TD-15BP 25488 up TD-15BPS 25488 up
4	29 901 D	CONNECTOR, tee to 20 PSI test tube TD-15BP 6001 to 20415 TD-15BPS 9371 to 20415
4	606 885 C1	CONNECTOR, tee to 20 PSI test tube TD-15BP 20416 to 25487 TD-15BPS 20416 to 25487
5	29 898 D	NUT, test connection tube (6) TD-15BP 6001 to 20415 (6) TD-15BPS 9371 to 20415
5	915 499 R1	NUT, test connection tube (6) TD-15BP 20416 up (6) TD-15BPS 20416 up
	915 500 R1	SLEEVE, test connection tube nut (6)
6	345 513 R1	TUBE, 20 PSI test connection TD-15BP 6001 to 20415 TD-15BPS 9371 to 20415

REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	611 146 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 20 PSI test connection TD-15BP 20416 to 25167 TD-15BPS 20416 to 25167
6	624 215 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 20 PSI test connection TD-15BP 25168 to 25487 TD-15BPS 25168 to 25487
6	624 998 C91	TUBE, w/two NUT 915 499 R1 and two SLEEVE, 915 500 R1, 20 psi test connections TD-15BP 25488 up TD-15BPS 25488 up
7	30 402 D	ELBOW, test connection tube (4) TD-15BP 6001 to 20415 (4) TD-15BPS 9371 to 20415
7	319 615 R1	ELBOW, test connection tube (5) TD-15BP 20416 up (5) TD-15BPS 20416 up
8	345 514 R1	TUBE, 80 PSI test connection TD-15BP 6001 to 20415 TD-15BPS 9371 to 20415
8	611 147 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 80 PSI test connection TD-15BP 20416 to 25167 TD-15BPS 20416 to 25167
8	624 217 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 80 PSI test connection TD-15BP 25168 up TD-15BPS 25168 up
9	345 515 R1	TUBE, 200 PSI test connection TD-15BP 6001 to 20415 TD-15BPS 9371 to 20415

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TEST CONNECTIONS - CONTINUED

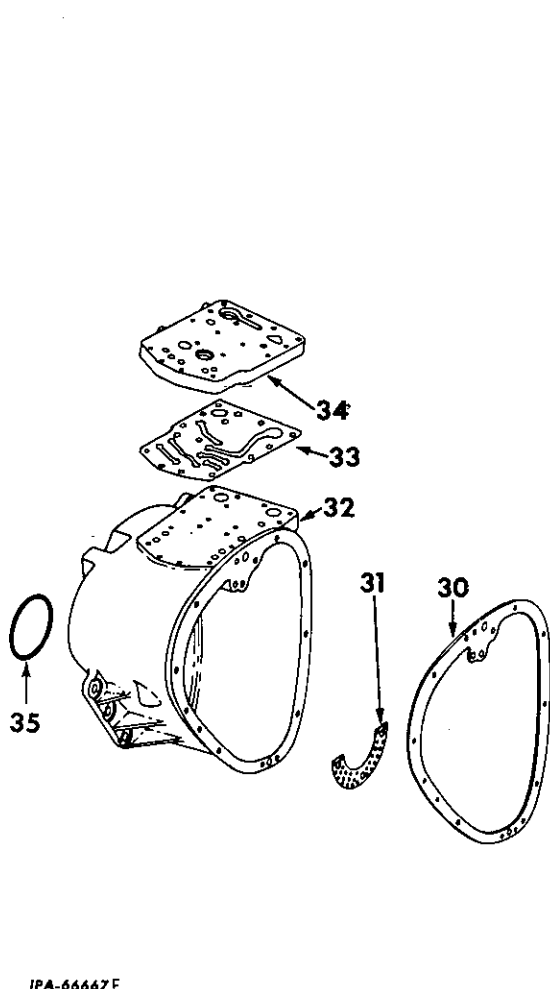
9	611 148 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 200 PSI test connection TD-15BP 20416 to 25167 TD-15BPS 20416 to 25167
9	624 219 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, 200 PSI test connection TD-15BP 25168 up TD-15BPS 25168 up
10	444 614	PLUG, 1/8" hex-hd pipe (brs) (3)
11	334 445 R1 179 820 103 320	BLOCK, test connection header 5/16 x 1-1/4" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
12		PLATE, hydraulic pressure check (Not Furnished Separately)
13	444 163	ELBOW, regulator outlet TD-15BP 6001 to 20144 TD-15BPS 9371 to 20144
14	443 976	NIPPLE, regulator outlet to regulator outlet tee TD-15BP 20416 to 25487 TD-15BPS 20416 to 25487
	628 021 C91	PACKAGE, pivot brake lub field improvement TD-15BP 6001 to 25487 TD-15BPS 9371 to 25487 (Composed of - 1 ADAPTER 102 729 R1 2 ELBOW 610 473 C2 1 ELBOW 144 129 1 ELBOW 656 531 C92 1 ELBOW 606 845 C1 1 ELBOW 319 615 R1 1 NIPPLE 219 658 1 TUBE 624 996 C91 1 TUBE 624 998 C91)

MEMORANDA

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER



IPA-66667E

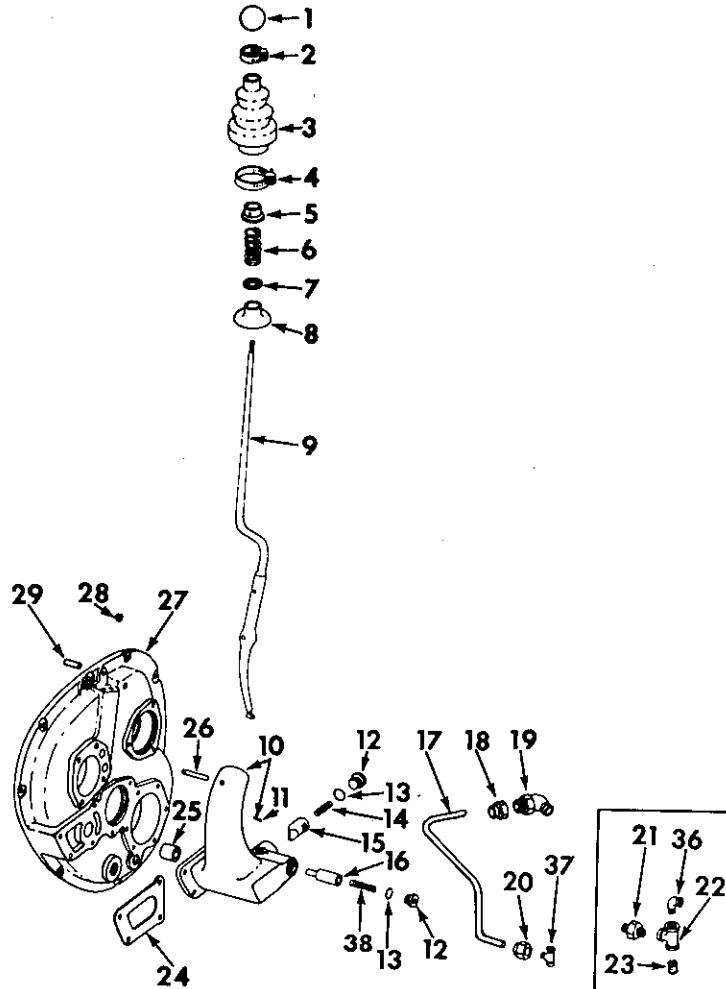
REF. NO.	I.H. PART NUMBER	DESCRIPTION
331 957 R91		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (not for sideboom crawler tractors) (Order PACKAGE, 703 262 C91)
		TD-15BP 6001 to 20231
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)
609 959 C91		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (not for sideboom crawler tractors) (Order PACKAGE, 703 262 C91)
		TD-15BP 20232 to 20522
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)

PRINTED IN UNITED STATES OF AMERICA

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED



REF. NO.	I.H. PART NUMBER	DESCRIPTION
331 958 R91		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (for sideboom crawler tractors) (Order PACKAGE, 703 263 C91)
		TD-15BPS 9371 to 20231
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)
609 960 C91		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (for sideboom crawler tractors) (Order PACKAGE, 703 263 C91)
		TD-15BPS 20232 to 20522
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)

PRINTED IN UNITED STATES OF AMERICA

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED		
331 957 R93		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (not for sideboom crawler tractors) (order PACKAGE, 703 262 C91) TD-15BP 20523 to 21158
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)
331 958 R93		TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (for sideboom crawler tractors) (order PACKAGE, 703 263 C91) TD-15BPS 20523 to 21158
20 833 R1		BOLT, 3/4 x 1-3/4" (will work for 3/4" NUT and STUD, 57 382 D) (6)
331 957 R94		TRANS ASSY (consists of all parts listed under transmission except gear selector lever and related parts and "Hydraulic Test Connections") (Not for sideboom crawler tractors) (will work for TRANSMISSION ASSY, 331 957 R91, 331 957 R93 and 609 959 C91) (order PACKAGE, 703 262 C91) TD-15BP 21159 to 22000
20 833 R1		BOLT, 3/4 x 1-3/4" (6)
331 958 R94		TRANS ASSY (consists of all parts listed under transmission except gear selector lever and related parts and "Hydraulic Test Connections") (for sideboom crawler tractors) (will work for TRANSMISSION ASSY, 331 958 R91, 331 958 R93 and 609 960 C91) (order PACKAGE, 703 263 C91) TD-15BPS 21159 to 22000
20 833 R1		BOLT, 3/4 x 1-3/4" (6)
703 258 C92		TRANSMISSION ASSY (consists of all parts listed under TRANSMISSION except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (For Sideboom Crawler Tractors) TD-15BPS 22001 to 25167 (Order the following parts - 1 CONNECTOR 9 402 714 1 CONNECTOR 9 402 713 1 CONNECTOR 875 239 C1 1 HOSE 619 826 C91 1 NIPPLE 190 752 1 RING 297 459 R1 1 TEE 186 553 1 TRANSMISSION 703 258 C93)
703 258 C94		TRANSMISSION ASSY (consists of all parts listed under TRANSMISSION except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (For sideboom crawler tractors) TD-15BPS 25168 up
703 257 C92		TRANSMISSION ASSY (consists of all parts listed under TRANSMISSION except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (Not for Sideboom Crawler Tractors) TD-15BP 22001 to 25167 (Order the following parts - 1 CONNECTOR 9 402 714 1 CONNECTOR 9 402 713 1 CONNECTOR 875 239 C1 1 HOSE 619 826 C91 1 NIPPLE 190 752 1 RING 297 459 R1 1 TEE 186 553 1 TRANSMISSION 703 257 C93)
703 257 C94		TRANSMISSION ASSY (consists of all parts listed under TRANSMISSION except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") (Not for sideboom crawler tractors) TD-15BP 25168 to 25259

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED		
703 257 C95		TRANSMISSION ASSY (consists of all parts listed under TRANSMISSION except "Gear Selector Lever and Related Parts" and "Hydraulic Test Connections") TD-15BP 25260 up
1	264 055 R2	BALL, shifter lever
2	252 977 R91	CLAMP, shifter lever boot upper
3	325 029 R1	BOOT, high low shifter lever
4	274 088 R91	CLAMP, shifter lever boot lower
5	252 852 R1	STOP, swivel cap spring
	104 075	RIVET, 3/16" x 1-1/2"
6	252 844 R1	SPRING, swivel cap
7	256 141 R1	WASHER, swivel cap spring
8	325 028 R1	CAP, shifter swivel
9	325 084 R2	LEVER, high low shifter
10	325 083 R11	HOUSING w/PIN, 141 152, high low shifter
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (2)
	186 292	7/16 x 4-1/4" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
11	141 152	PIN, 3/16 x 9/16" dowel
12	18 524 R1	PLUG, 1-1/4" sq-soc (2)
13	142 756	GASKET, 1-1/4" annular (2)
14	269 908 R1	SPRING, poppet
15	325 026 R2	POPPET, high low shifter
16	325 027 R1	LOCK, poppet
17	607 828 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, shifter lock (together with ELBOW, 606 889 C1 will work for TUBE, 325 087 R1)
18	37 165 D	NUT (3/8" OD tube) (used with TUBE, 325 087 R1)
18	265 205 R1	NUT, tube (used with TUBE, 607 828 C11)
	265 204 R1	SLEEVE, tube nut
19	37 323 D	ELBOW (3/8" OD tube) (used with TUBE, 325 087 R1)
19	606 845 C1	ELBOW, shifter lock tube (used with TUBE, 607 828 C11) TD-15BP 20001 to 20522 TD-15BPS 20001 to 20522
19	606 889 C1	ELBOW, shifter lock tube (used with TUBE, 607 828 C11) TD-15BP 20523 up TD-15BPS 20523 up
20	37 165 D	NUT (3/8" OD tube) (used with TUBE, 325 087 R1)
20	265 205 R1	NUT, tube (used with TUBE, 607 828 C11)
	265 204 R1	SLEEVE, tube nut
21	38 026 DM	CONNECTOR (3/8" OD tube) (used with TUBE, 325 087 R1 and TEE, 144 083)
21	606 819 C1	CONNECTOR, shifter lock tube (used with TUBE, 607 828 C11 and TEE, 144 083)
22	144 083	TEE, 1/4 x 1/4 x 1/4" reducing pipe (cd or zn-pltd) TD-15BP 6299 to 20522 TD-15BPS 9371 to 20522
23	334 762 R1	NIPPLE, 1/4" (used with TEE, 144 083)
24	325 022 R1	GASKET, high low shifter housing
25	298 401 R1	BUSHING, high low shifter shaft (2)
26	306 025 R2	SHAFT, shifter lever
27	331 778 R11	COVER ASSEMBLY, transmission (Composed of - 1 BUSHING 298 401 R1 § 1 COVER 125 860 2 DOWEL 444 873 2 PLUG 270 835 R1) 7/16" NUT (12) PLUG, 3/4" countersunk pipe 7/16 x 1-5/8" hex-hd cap SCREW (10) 7/16" lock WASHER (12)
	271 500	7/16" NUT (12)
	270 835 R1	PLUG, 3/4" countersunk pipe
	179 863	7/16 x 1-5/8" hex-hd cap SCREW (10)
	103 322	7/16" lock WASHER (12)

§ - Not Furnished Separately.

TRANSMISSION
(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED		
28	444 873	PLUG, 1/2" hex-soc-hd pipe (cd or zn-pltd) (4)
29	125 860	DOWEL, 3/4 x 1-1/2" (2)
30	325 021 R2	GASKET, transmission cover
31	325 080 R1	SCREEN, transmission case oil return TD-15BG 7260 to (#) TD-15BGA 7260 to (#) TD-15BCF 21281 to (#) TD-15BGS 21676 to (#) BOLT, 3/8 x 3/4" (3) 3/8" lock WASHER (3) 15 210 D 103 321 103 341 13/32 x 13/16" x 16 ga WASHER (3)
32	334 848 R21	CASE w/BUSHING, 298 401 R1, four PLUG, 444 873, two PLUG, 9 409 949 and SCREEN, 325 080 R1, transmission TD-15BP 25168 up TD-15BPS 25168 up
	444 873	PLUG, 1/2" hex-soc-hd pipe (cd or zn-pltd) (4)
	9 409 949	PLUG, 3/4" NPT (2)
32	334 848 R11	CASE, transmission TD-15BP 6001 to 25167 TD-15BPS 9371 to 25167 (Order the following parts - 1 CONNECTOR 9 402 714 1 CONNECTOR 9 402 713 1 CONNECTOR 875 239 C1 1 HOSE 619 826 C91 1 NIPPLE 190 752 1 RING 297 459 R1 1 TEE 186 553 1 CASE 334 848 R21)
33	325 041 R1	GASKET, hydraulic valve spacer TD-15BP 6001 to 22000 TD-15BPS 9371 to 22000
33	616 302 C1	GASKET, hydraulic valve spacer TD-15BP 22001 up TD-15BPS 22001 up
34	325 030 R1	SPACER, hydraulic valve TD-15BP 6001 to 22000 TD-15BPS 9371 to 22000
34	616 301 C1	SPACER, hydraulic valve TD-15BP 22001 up TD-15BPS 22001 up
	617 028 C1 103 320	BOLT, spacer (8) 5/16" lock WASHER (8)
35	654 748 C1	"O" RING, transmission case lower (7-3/4 x 8-1/4 x 1/4") (#)
36	120-499	ELBOW, 1/4" x 90° (used with TEE, 144 083) TD-15BP 20119 to 20522 TD-15BPS 20119 to 20522
37	263 804 R1	TEE, decelerator cylinder hose TD-15BP 20523 up TD-15BPS 20523 up
38	302 426 R1	SPRING, poppet lock
		VALVE ASSY, main regulator (for components see list of parts under details of "Main Regulator Valve") 3/8 x 4-1/4" hex-hd cap SCREW (11) 3/8" lock WASHER (11)
	433 114 103 321	
		VALVE ASSY, range selector (for components see list of parts under details of "Range Selector Valve") TD-15BP 6001 to 22000 TD-15BPS 9371 to 22000
	186 272 103 320	5/16 x 4" hex-hd cap SCREW (8) 5/16" lock WASHER (8)
		VALVE ASSY, range selector (for components see list of parts under details of "Range Selector Valve") TD-15BP 22001 up TD-15BPS 22001 up
	179 849 103 321	3/8 x 2-1/2" hex-hd cap SCREW (3) 3/8" lock WASHER (3)

TRANSMISSION
(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED		
278	026 R1	WIRE, bulk locking (14 ga) (customer must specify length required)
611	262 C91	PACKAGE, transmission field improvement (%) TD-15BP 20523 to 21158 (Consists of - 1 HOUSING 609 513 C1 1 PACK 625 800 C92 1 PACK 625 802 C92 1 RING 610 411 C1 1 SEAL 619 586 C91 1 WASHER 611 253 C1 1 WASHER 611 254 C1 1 YOKE 609 514 C21)
611	263 C91	PACKAGE, transmission field improvement (%) TD-15BPS 9371 to 21158 (Consists of - 1 HOUSING 609 513 C1 1 PACK 625 801 C92 1 PACK 625 803 C92 1 RING 610 411 C1 1 SEAL 619 586 C91 1 WASHER 611 253 C1 1 WASHER 611 254 C1 1 YOKE 609 514 C21)
703	262 C92	PACKAGE, transmission field improvement (for service on orders for TRANSMISSION, 331 957 R94) TD-15BP 6001 to 22000 (Consists of - 1 ADAPTER, neutral hose 9 409 910 1 CONNECTOR, pump inlet tee 9 402 713 1 CONNECTOR, pump inlet tee 9 402 714 1 CONNECTOR, regulator drain 875 239 C1 6 ELBOW, range selector valve 9 402 824 1 GROMMET, starting safety switch harness 617 259 R1 1 HARNESS, starting safety switch 338 057 R92 1 HOSE, regulator drain to torque converter pump 619 826 C91 1 MANIFOLD w/ HOSES, selector valve (for components see list of parts under details of "Hydraulic Transmission Controls and Related Parts" TD-15BP 22001 up; TD-15BPS 22001 up) 1 PLUG, decelerator drain tube inlet (in torque converter housing) 444 613 1 RING, connector sealing 297 594 R1 10 RING, selector valve manifold sealing 355 966 R1 1 SWITCH, starting 700 395 C91 1 TEE, pump inlet reducer 186 553 1 TOWER ASSY, hydraulic control (for components see list of parts under details of "Hydraulic Transmission Controls and Related Parts" TD-15BP 22001 up; TD-15BPS 22001 up)
(*) - Not Part Of Transmission Assembly. (%) - Package No Longer Available - Service Parts will be Furnished as Ordered. (#) Serial Number Not Available		

TRANSMISSION
(FOR POWER SHIFT CRAWLER TRACTORS)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - CONTINUED

703 262 C92 PACKAGE, transmission field improvement
(for service on orders for TRANSMISSION,
331 957 R94) - Continued
TD-15BP 6001 to 22000

(Consists of - Continued

- 1 TRANSMISSION ASSY
(for components see
list of parts under
details of "High-Low
Shifter Lever, Trans-
mission Case and
Cover") 703 257 C93
- 2 3/8 x 1-1/4 hex-hd
cap SCREW 179 841
- 2 3/8" lock
WASHER 103 321)

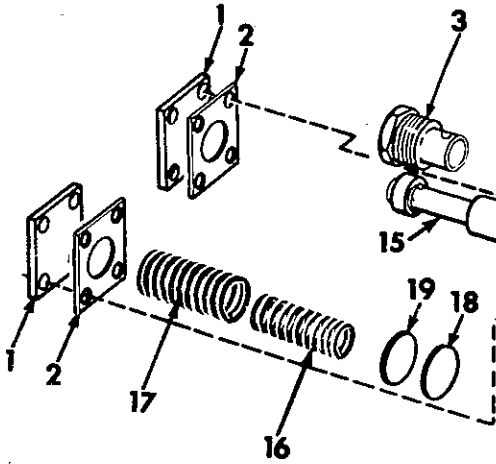
703 263 C92 PACKAGE, transmission field improvement
(for service on orders for TRANSMISSION,
331 958 R94)
TD-15BPS 9371 to 22000

(Consists of -

- 1 ADAPTER, neutral
hose 9 409 910
- 1 CONNECTOR, pump
inlet tee 9 402 713
- 1 CONNECTOR, pump
inlet tee 9 402 714
- 1 CONNECTOR, regu-
lator drain 875 239 C1
- 6 ELBOW, range
selector valve 9 402 824
- 1 GROMMET, start-
ing safety switch
harness 617 259 R1
- 1 HARNESS, start-
ing safety switch 338 057 R92
- 1 HOSE, regulator
drain to torque
converter pump 619 826 C91
- 1 MANIFOLD w/
HOSES selector
valve (for compo-
nents see list of
parts under details
of "Hydraulic Trans-
mission Controls and
Related Parts"
TD-15BP 22001 up;
TD-15BPS 22001 up)
- 1 PLUG, decelerator
drain tube inlet (in
torque converter
housing) 444 613
- 10 RING, selector valve
manifold sealing 355 966 R1
- 1 RING, connector
sealing 297 594 R1
- 1 TEE, pump inlet
reducer 186 553
- 1 SWITCH, starting 700 395 C91
- 1 TOWER ASSY, hyd-
raulic control (for
components see list
of parts under details
of "Hydraulic Trans-
mission Controls and
Related Parts" TD-15BP
up; TD-15BPS up)
- 1 TRANSMISSION ASSY
(for components see
list of parts under
details of "High-Low
Shifter Lever, Trans-
mission Case and
Cover") 703 258 C94
- 2 3/8 x 1-1/4" hex-hd
cap SCREW 179 841
- 2 3/8" lock
WASHER 103 321)

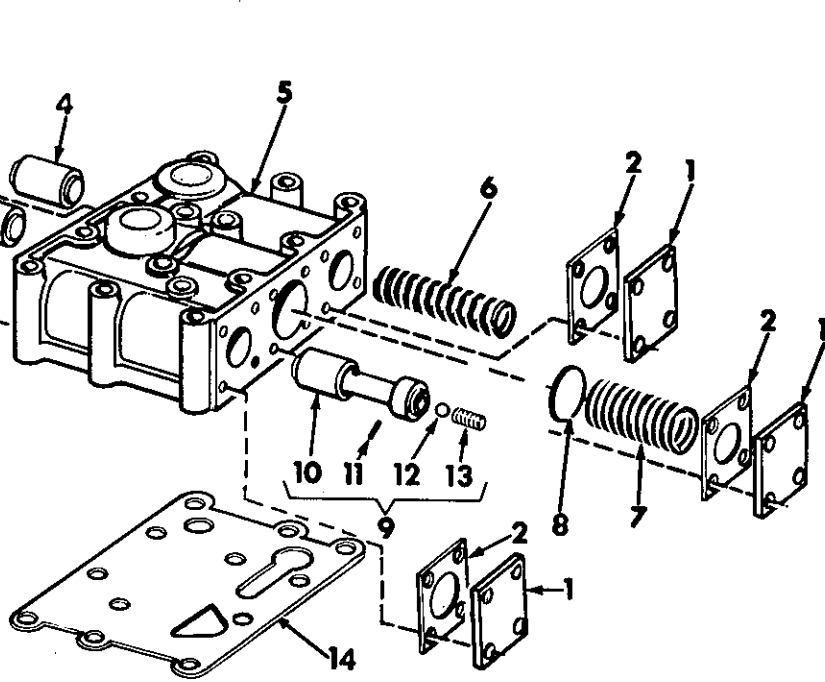
TRANSMISSION
(FOR POWER SHIFT CRAWLER TRACTORS)

MAIN REGULATOR VALVE
(Rockford)



TRANSMISSION
(FOR POWER SHIFT CRAWLER TRACTORS)

MAIN REGULATOR VALVE - CONTINUED
(Rockford)



WPA-66252 H

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	610 702 C91	VALVE ASSY, main regulator (includes refs 1 to 19 and PLUG, 444 613) (less ref 14) (will work for VALVE, 321 976 R92)
	186 288	3/8 x 4-1/2" hex-hd cap SCREW (10)
	103 321	3/8" lock WASHER (11)
	187 491	3/8"x.5-1/2" hex-hd cap SCREW
	279 987 R1	SPACER, hose clamp
1	321 991 R1	COVER, valve (5)
		5/16 x 3/4" hex-hd cap SCREW w/lock WASHER (20)
2	321 992 R1	GASKET, valve cover (5)
3	343 556 R1	PLUG
4	321 994 R1	VALVE, lubricating pressure regulator
5		BODY, main regulator valve (order 610 702 C91)
6	336 103 R1	SPRING, lubricating valve
7	610 703 C1	SPRING, by-pass valve
8	321 997 R1	WASHER
9	338 651 R94	VALVE ASSEMBLY, main spool

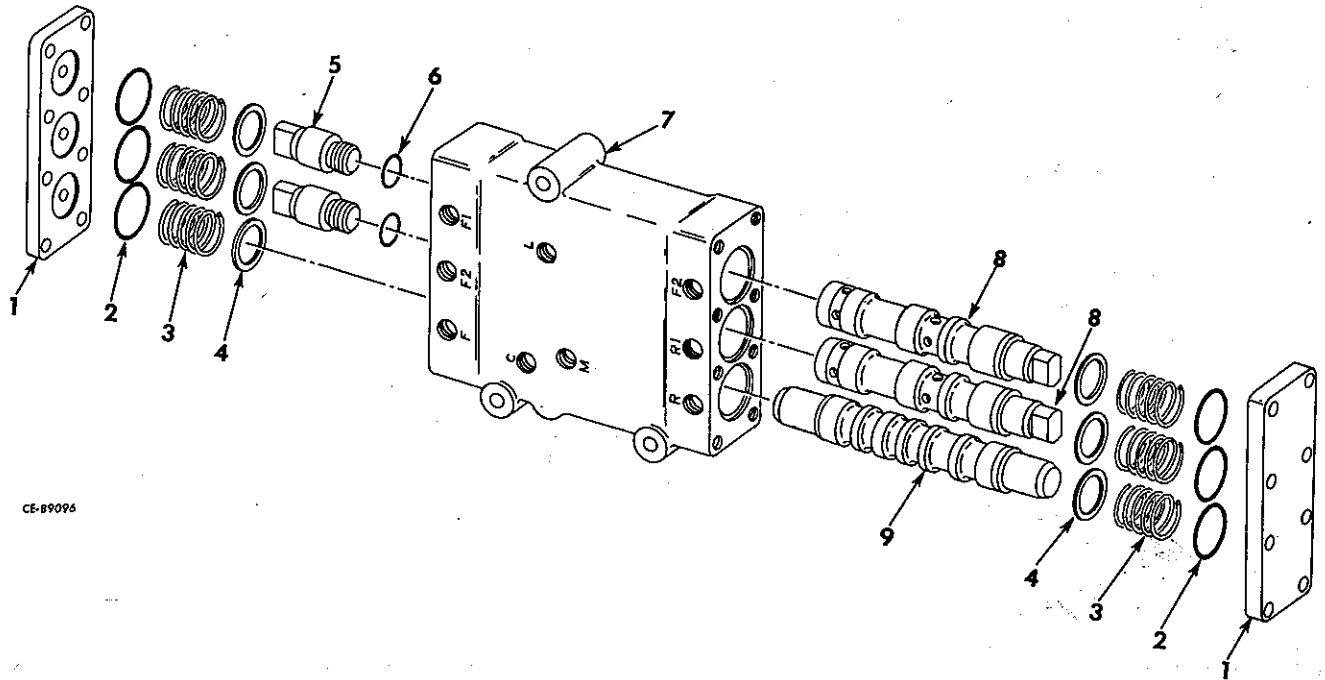
REF. NO.	I.H. PART NUMBER	DESCRIPTION
10		VALVE, main spool (Not Furnished Separately)
11	20 139 R1	PIN, main spool valve
12	346 509 R1	BALL, main spool valve
13	347 243 R1	SPRING, main spool valve
14	325 040 R2	GASKET, main valve body (Not furnished as part of main regulator valve)
15	321 998 R1	VALVE, by-pass
16	324 299 R1	SPRING, main pressure regulator (inner)
17	606 512 C1	SPRING, main regulator
18	606 506 C1	WASHER, spring (X)
19	321 997 R1	WASHER, spring (X)
	444 613	PLUG, 1/8" (NPT) sq-hd pipe (3)

(X)- As Required.

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

RANGE SELECTOR VALVE
TD-15BP 22001 up
TD-15BPS 22001 up



CE-89096

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

RANGE SELECTOR VALVE - CONTINUED
TD-15BP 22001 up
TD-15BPS 22001 up

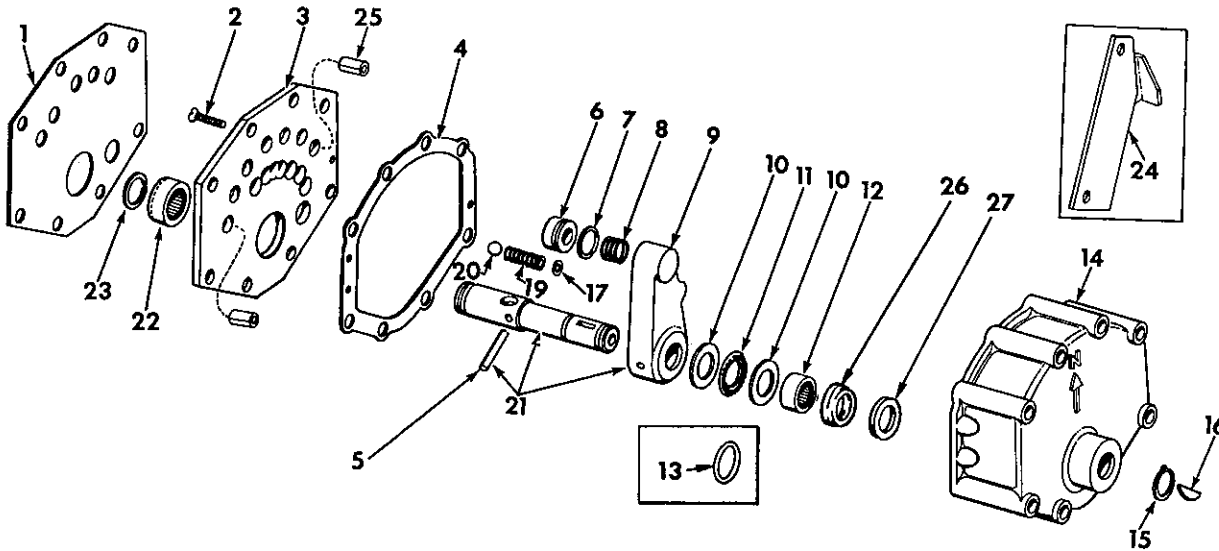
REF. NO.	I. H. PART NUMBER	DESCRIPTION
	700 021 C91	VALVE ASSY, range selector
	379 181 R1	"O" RING, 5/8 x 3/4 x 1/16" (valve mounting) (5)
	574 069 R1	"O" RING, 3/4 x 7/8 x 1/16" (valve mounting)
	444 652	PLUG, 1/8" NPT sq-soc-pipe (in F, C and R ports in valve top) (3)
1	617 242 C1	COVER, body end (2)
	179 817	5/16 x 7/8" hex-hd cap SCREW (16)
	103 320	5/16" lock WASHER (16)
2	370 943 R1	"O" RING, 1-1/8 x 1-1/4 x 1/16" (6)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	617 240 C1	SPRING, spool centering (6)
4	617 241 C1	SPAW, spring (6)
5	617 239 C1	PLUG, spool (2)
6	369 751 R1	"O" RING, .351 x .495 x .072" (2)
7		BODY, valve (not furnished separately)
8		SPOOL, forward and reverse (2) (not furnished separately)
9		SPOOL (not furnished separately)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

RANGE SELECTOR VALVE
(Rockford)
TD-15BP 6001 to 22000
TD-15BPS 9371 to 22000



CE-90442

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	324 021 R1	GASKET, valve plate
2		SCREW, 1/4 x 3/4" fl-hd
3	603 745 C91	PLATE w/BEARING, 10 026 R1 and two PIN, 20 348 R1 selector valve
4	324 019 R1	GASKET, range selector valve
5		PIN (Not Furnished Separately)
6	324 009 R1	WIPER, range selector valve
7	347 641 R1	"O" RING, wiper (3/4 x 7/8 x 1/16")
8	324 010 R1	SPRING, valve wiper
9		VALVE (Not Furnished Separately)
10	324 004 R2	WASHER, thrust (2)
11	324 105 R91	BEARING, thrust needle
12	276 578 R91	BEARING
13		"O" RING, shaft (order SEAL, 615 851 C1 and WASHER, 615 850 C1)
14	324 003 R1	COVER, range selector valve
15	516 010 R1	RING, snap (2)
16	124 549	KEY (Woodruff No. 9)
17	324 013 R1	RETAINER, spring
19	324 012 R1	SPRING, detent
20	13 722 D	BALL, 7/32" dia detent spring
21	324 006 R92	SHAFT, range selector valve

REF. NO.	I. H. PART NUMBER	DESCRIPTION
22	10 026 R	BEARING, plate needle
23	324 022 R1	RING, piston hook type
24	331 950 R11	INDICATOR, range selector (used only on tractors equipped with range selector valve COVER, 324 003 R1, without "N" marking)
25	20 348 R1	PIN, 1/2 x 1-3/4" selector valve plate roll (2)
26	615 851 C1	SEAL, shaft
27	615 850 C1	WASHER, seal back up
	603 744 C91	VALVE ASSEMBLY, range selector
		(Composed of -
	1	BALL 13 722 D
	1	BEARING 276 578 R91
	1	BEARING 324 105 R91
	1	COVER 324 003 R1
	1	GASKET 324 019 R1
	1	GASKET 324 021 R1
	1	KEY 124 549
	1	"O" RING 347 641 R1
	1	PLATE 603 745 C91
	1	RETAINER 324 013 R1
	1	RING 516 010 R1
	1	RING 324 022 R1
	1	SEAL 615 851 C1
	1	SHAFT 324 006 R92
	1	SPRING 324 010 R1
	1	SPRING 324 012 R1
	1	WIPER 324 009 R1
	2	WASHER 324 004 R2
	1	WASHER 615 850 C1)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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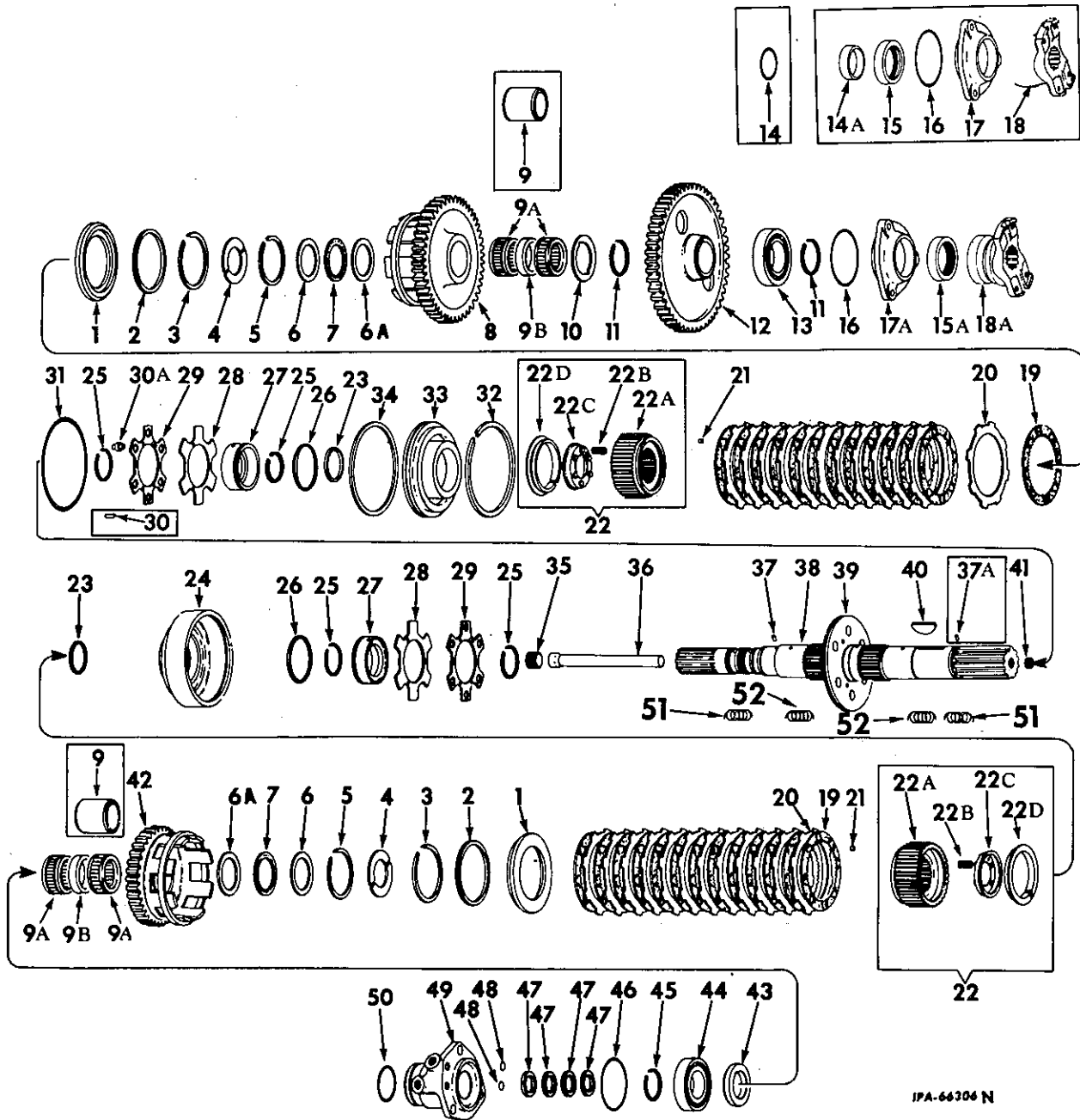
FORWARD CLUTCH PACK AND RELATED PARTS (Rockford)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)



- | | | |
|---|------------|---|
| 1 | 324 242 R1 | PLATE, clutch backing (2) |
| 1 | 627 365 C1 | PLATE, clutch backing (part of HUB ASSY, 627 363 C91) |
| 2 | 324 245 R1 | RING, snap (internal) (2) |
| 2 | 627 366 C1 | RING, snap (external) (part of HUB ASSY, 627 363 C91) |
| 3 | 333 857 R2 | RING, snap (external) (2) |
| 3 | 627 367 C1 | RING, snap (internal) (part of HUB ASSY, 627 363 C91) |

- | | | |
|----|------------|---|
| 4 | 324 231 R1 | RETAINER, clutch hub (4) |
| 5 | 324 232 R1 | RING, snap (internal) (2) |
| 6 | 584 269 R1 | SPACER, washer (one used with PACK ASSY, 321 970 R91, 610 550 C91 and 610 095 C91) (Two used with PACK ASSY, 610 756 C92, 610 758 C92, 625 802 C92 and 625 800 C92) |
| 6A | 610 769 C1 | WASHER, (Two used with PACK ASSY, 610 756 C91, 610 758 C92 and 625 800 C92 625 802 C92) |

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS -- CONTINUED (Rockford)		
7	584 268 R91	BEARING, thrust washer (A-300582) (2)
8	324 215 R92	GEAR w/BUSHING, 610 007 C1 second speed drive TD-15BP 6001 to 21158 TD-15BPS 9371 to 21158
8	610 767 C92	GEAR, clutch TD-15BP 21159 up TD-15BPS 21159 up
9	610 007 C1	BUSHING, gear (2) TD-15BP 6001 to 21158 (2) TD-15BPS 9371 to 21158
9A	610 772 C91	BEARING, roller (4) TD-15BP 21159 up (4) TD-15BPS 21159 up
9B	610 770 C1	SPACER, bearing (2) TD-15BP 21159 up (2) TD-15BPS 21159 up
10	325 012 R1	WASHER, second gear thrust
11	358 236 R1	RING, forward clutch shaft front bearing snap (2)
12	325 013 R1	GEAR, reverse drive
13	ST 278	BEARING, forward clutch shaft front
14	290 987 R1	"O" RING, rotor (1-3/4 x 2 x 1/8") (used with SEAL and ROTOR, 321 972 R92)
14A	610 026 C1	SLEEVE, oil seal wear (used with OIL SEAL, 610 023 C91) TD-15BP 6001 to 20522 TD-15BPS 9371 to 20522
15	619 584 C91	OIL SEAL, clutch shaft (together with HOUSING, 609 515 C1, RING, 306 359 R1 and SLEEVE, 610 026 C1 will work for SEAL and ROTOR, 321 972 R92 TD-15BP 6001 to 20522 TD-15BPS 9371 to 20522
15A	619 586 C91	OIL SEAL, clutch shaft TD-15BP 20523 up TD-15BPS 20523 up
16	610 411 C1	"O" RING, forward clutch shaft housing (3-1/2 x 3-3/4 x 1/8")
17	609 515 C1	HOUSING, oil seal (together with RING, 306 359 R1, OIL SEAL, 619 584 C91 and SLEEVE, 610 026 C1 will work for HOUSING, 325 015 R2) TD-15BP 6001 to 20522 TD-15BPS 9371 to 20522
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)
	103 322	7/16" lock WASHER (3)
17A	609 513 C1	HOUSING, oil seal TD-15BP 20523 up TD-15BPS 20523 up
	610 081 C1	SCREW, 7/16 x 1-1/8" hex-hd cap (3)
	103 322	7/16" lock WASHER (3)
18	325 061 R3	YOKE, transmission drive (*) TD-15BP 6001 to 20522 TD-16BPS 9371 to 20522
18A	609 514 C21	YOKE, transmission drive (*) TD-15BP 20523 up TD-15BPS 20523 up
19	702 959 C1	PLATE, internal splines (26) (26 PLATE, 702 959 C1, will work for PLATE, 324 240 R1) (See NOTE)
19	324 240 R1	PLATE, internal splined (26) (order 26 PLATE, 702 959 C1) (See NOTE)
20	324 241 R1	PLATE, external splined (24)
21	324 244 R1	PIN, dowel (2)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS -- CONTINUED (Rockford)		
22	346 646 R91	HUB, clutch (order HUB ASSY, 627 363 C91) (2)
22	627 364 C1	HUB, clutch (part of HUB ASSY 627 363 C91)
22A		HUB (Not furnished separately)
22B		SPRING, piston return (Not furnished separately)
22C		RETAINER, spring (Not furnished separately)
22D		RETAINER, plate (Not furnished separately)
23	627 969 C1	"O" RING (piston hook type) (4)
24	324 228 R2	HOUSING, clutch piston TD-15BP 6001 to 25729 TD-15BPS 9371 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
24	627 669 C1	HOUSING, clutch piston TD-15BP 25730 up TD-15BPS 25730 up
25	324 222 R1	RING, snap (external) (4)
26	324 223 R1	"O" RING (piston hook type) (2)
27	324 221 R1	PISTON, accelerating (Order two PISTON, 610 481 C1) (2) TD-15BP 6001 to 20231 (2) TD-15BPS 9371 to 20231
27	610 481 C1	PISTON, accelerating (2) TD-15BP 20232 to 25259 (2) TD-15BPS 20232 to 25259
27	627 093 C1	PISTON (2) TD-15BP 25260 to 25729 (2) TD-15BPS 25260 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
27	627 667 C1	PISTON, accelerating (2) TD-15BP 25730 up (2) TD-15BPS 25730 up
28	324 220 R1	VALVE, disc (used with PACK ASSY, 321 970 R91, 327 434 R91, 610 094 C91, and 610 095 C91) (2)
28	610 751 C1	VALVE, disc (used with PACK ASSY, 610 550 C91, 610 552 C91, 610 756 C92, 610 758 C92 and 625 800 R2 and 625 802 C92)
29	324 219 R1	DISC, reinforcing (used with PACK ASSY, 321 970 R91 and 327 434 R91) (2)
29	610 760 C1	DISC, reinforcing (used with PACK ASSY, 610 756 C91 and PACK ASSY, 610 758 C91) (2)
29	625 205 C1	DISC, reinforcing (used with PACK ASSY, 625 800 C91 and PACK ASSY, 625 802 C91)(2)
30	324 218 R1	PIN, dowel (used with PACK ASSY, 321 970 R91 and 327 434 R91) (3)
30A	610 755 C1	PIN, guide (3) TD-15BP 6001 to 25729 (3) TD-15BPS 9371 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)

NOTE: Do Not Intermix Clutch Plate 702 959 C1 with displaced 324 240 R1 Clutch Plates in any one Clutch Pack Assembly.

* - Not Part of Transmission Assembly.

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
30A	627 666 C1	PIN, guide (3) TD-15BP 25730 up (3) TD-15BPS 25730 up
31	324 227 R1	"O" RING (separator plate)
32	347 297 R1	RING, snap (internal)
33	324 225 R2	PISTON, clutch TD-15BP 6001 to 25729 TD-15BPS 9371 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
33	627 668 C1	PISTON, clutch TD-15BP 25730 up TD-15BPS 25730 up
34	324 226 R1	"O" RING (lathe cut)
35	347 554 R1	PLUG, 3/4" pipe
36		TUBE (Not furnished separately)
37	324 238 R1	PIN, dowel
37A	324 238 R1	PIN, dowel (used with SEAL and ROTOR, 321 972 R92)
38	324 217 R91	SHAFT ASSY. clutch TD-15BP 6001 to 20231 TD-15BPS 9371 to 20231 (Order the following parts - 1 CAP SCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 2 DISC 610 760 C1 3 PIN 610 755 C1 2 PISTON 610 481 C1 1 RING 610 411 C1 1 RING 324 226 R1 1 RING 324 227 R1 1 SEAL 619 586 C91 1 SHAFT 610 477 C91 2 VALVE 610 751 C1 1 YOKE 609 514 C21)
38	610 750 C91	SHAFT ASSY. clutch TD-15BP 20232 to 20522 TD-15BPS 20232 to 20522 (Order the following parts - 3 CAP SCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 2 DISC 610 760 C1 3 PIN 610 755 C1 2 PISTON 610 481 C1 1 RING 610 411 C1 1 RING 324 226 R1 1 RING 324 227 R1 1 SEAL 619 586 C91 1 SHAFT 610 477 C91 2 VALVE 610 751 C1 1 YOKE 609 514 C21)
38	610 477 C91	SHAFT ASSY. clutch (Used with PACK ASSY. 610 094 C91 and 610 095 C91) TD-15BP 20523 to 21158 TD-15BPS 20523 to 21158 (Composed of - 1 PIN 324 238 R1 1 PLATE 610 478 C1 1 PLUG 347 553 R1 1 PLUG 347 554 R1 2 RING 324 222 R1 §1 TUBE
38	610 765 C91	SHAFT, assy clutch (used with PACK ASSY. 610 756 C92 and 610 758 C92) TD-15BP 21159 up TD-15 BPS 21159 up (Composed of - 1 PIN 324 238 R1

Continued in next column

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
38	610 765 C91	SHAFT, assy. clutch (Cont'd) (Composed of - Cont'd) 2 PIN 17 164 R1 1 PLATE 610 478 C1 1 PLUG 347 553 R1 1 PLUG 347 554 R1 2 RING 324 222 R1)
38	627 138 C91	SHAFT ASSY. clutch (Used with PACK ASSY. 625 800 C91 and 625 802 C92) TD-15BP 25260 up TD-15BPS 25260 up (Composed of - 1 PIN 324 238 R1 2 PIN 17 164 R1 1 PLATE 627 092 C1 1 PLUG 347 553 R1 1 PLUG 347 554 R1 2 RING 324 222 R1)
	17 164 R1	PIN, roll (Use with SHAFT, 610 765 C91 and SHAFT 627 138 C91) (2) TD-15BP 21159 up (2) TD-15BPS 21159 up
39	346 596 R91	PLATE, separator (Order KIT, 610 877 C91) TD-15BP 6001 to 20231 TD-15BPS 9371 to 20231
39	610 478 C1	PLATE, separator TD-15BP 20232 to 25259 TD-15BPS 20232 to 25259
39	627 092 C1	PLATE, separator TD-15BP 25260 up TD-15BPS 25260 up
40	325 014 R1	KEY, reverse drive gear
41	347 553 R1	PLUG, 1/2" pipe
42	324 216 R92	GEAR w/BUSHING, 610 007 C1, first speed drive (Part of TRANSMISSION, 331 957 R93) (B-305811) TD-15BP 6001 to 21158
42	333 844 R92	GEAR w/BUSHING, 610 007 C1, first speed drive (part of TRANSMISSION, 331 958 R93) (B-306012) TD-15BPS 9371 to 21158
42	610 768 C92	GEAR, clutch (Part of TRANSMISSION, 331 957 R94) TD-15BP 21159 up
42	610 773 C92	GEAR, clutch (Part of TRANSMISSION, 331 958 R94) TD-15BPS 21159 up
43	325 011 R1	WASHER, first speed forward gear thrust TD-15BP 6001 to 21158 TD-15BPS 9371 to 21158
43	611 253 C1	WASHER, first speed forward gear thrust TD-15BP 21159 up TD-15BPS 21159 up
44	321 966 R91	BEARING, forward clutch shaft rear
45	359 894 R1	RING, forward clutch shaft rear bearing snap
46	285 724 R1	"O" RING, forward clutch shaft hydraulic manifold (3-3/8 x 3-5/8 x 1/8")
47	325 059 R1	RING, forward clutch shaft rear sealing (4)
48	350 667 R1	"O" RING, forward clutch shaft hydraulic manifold (11/16 x 7/8 x 3/32") (2)
49	325 060 R1	MANIFOLD, forward clutch shaft hydraulic PLUG, 3/8" hex-soc-hd pipe (cd or zn-pltd) (2) 179 860 7/16 x 1-1/4" hex-hd cap SCREW (3) 103 322 7/16" lock WASHER (3)

§ - Not Furnished Separately.

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)

50	654 746 C1	"O" RING, transmission case upper (2-3/8 x 2-3/4 x 3/16") (*)
51	625 821 C1	SPRING, compression (inner) (6) TD-15BP 25260 up TD-15BPS 25260 up
52	625 206 C1	SPRING, compression (outer) (6) TD-15BP 25260 up TD-15BPS 25260 up
627 363 C91		HUB ASSY w/backing PLATE (will work for HUB, 346 646 R91) (Consists of - 1 HUB 627 364 C1 1 PLATE 627 365 C1 1 RING 627 366 C1 1 RING 627 367 C1)
321 970 R91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 331 957 R91) TD-15BP 6001 to 20231 (Order the following parts - 3 CAP SCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 1 PACK ASSY 610 756 C92 1 RING 306 359 R1 1 SEAL 619 586 C91 1 YOKE 609 514 C21)
610 550 C91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 609 959 C91) TD-15BP 20232 to 20522 (Order the following parts - 3 CAP SCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 1 PACK ASSY 610 756 C92 1 RING 306 359 R1 1 SEAL 619 586 C91 1 YOKE 609 514 C21)
610 095 C91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 331 957 R93) (order PACK ASSY, 625 800 C92) TD-15BP 20523 to 21158
610 756 C92		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 800 C92) TD-15BP 21159 to 25259
625 800 C91		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 800 C92) (part of TRANSMISSION, 331 957 R94 and 703 257 C94) TD-15BP 25260 to 25700
627 172 C92		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 800 C92) TD-15BP 25701 to 25729
625 800 C92		PACK ASSY, final clutch (forward) (will work for PACK, 321 970 R91, PACK, 610 550 C91, PACK, 610 095 C91, PACK, 627 172 C91 and PACK, 625 800 C91) (part of TRANSMISSION, 703 257 C94) TD-15BP 25730 up (Composed of - 4 BEARING 610 772 C91 2 BEARING 584 268 R91 2 DISC 625 205 C1 1 GEAR 610 767 C92 1 GEAR 610 768 C92 1 HOUSING 627 669 C1 2 HUB 627 363 C91 2 "O" RING 324 223 R1 4 "O" RING 627 969 C1 1 "O" RING 324 226 R1 1 "O" RING 324 227 R1 2 PIN 324 244 R1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1

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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS- CONTINUED (Rockford)

625 800 C92		PACK ASSY (Cont'd) (Composed of - Cont'd) 26 PLATE 702 959 C1 24 PLATE 324 241 R1 1 PLATE 627 365 C1 2 PLATE 324 242 R1 4 RETAINER 324 231 R1 2 RING 324 222 R1 1 RING 347 297 R1 2 RING 324 232 R1 2 RING 324 245 R1 2 RING 333 857 R2 1 RING 627 366 C1 1 RING 627 367 C1 1 SHAFT 627 138 C91 2 SPACER 584 269 R1 2 SPACER 610 770 C1 6 SPRING 652 206 C1 6 SPRING 625 821 C1 2 VALVE 610 751 C1 2 WASHER 610 769 C1)
327 434 R91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 331 958 R91) TD-15BPS 9371 to 20231 (Order the following parts - 3 CAPSCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 103 322 1 PACK ASSY 610 758 C91 1 RING 306 359 R1 1 SEAL 619 586 C91 1 YOKE 609 514 C21)
610 552 C91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 609 960 C91) TD-15BPS 20232 to 20522 (Order the following parts - 3 CAPSCREW 610 081 C1 1 HOUSING 609 513 C1 3 7/16" lock WASHER 103 322 1 PACK ASSY 610 758 C92 1 RING 306 359 R1 1 SEAL 619 586 C91 1 YOKE 609 514 C21)
610 094 C91		PACK ASSY, final clutch (forward) (part of TRANSMISSION, 331 958 R93) (Order PACK ASSY, 625 802 C92) TD-15BPS 20523 to 21158
610 758 C91		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 802 C92) TD-15BPS 21159 to 25259
625 802 C91		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 802 C92) (part of TRANSMISSION, 331 958 R94 and 703 258 C94) TD-15BPS 25260 to 25700
627 173 C92		PACK ASSY, final clutch (forward) (order PACK ASSY, 625 802 C92) TD-15BPS 25701 to 25729
625 802 C92		PACK ASSY, final clutch (forward) (will work for PACK, 327 434 R91, PACK, 610 552 C91, PACK, 610 758 C91, PACK, 627 173 C92, PACK, 610 094 C91 and PACK, 625 802 C91) (part of TRANSMISSION 703 258 C94) TD-15BPS 25730 up (Composed of - 4 BEARING 610 772 C91 2 BEARING 584 268 R91 2 DISC 625 205 C1 1 GEAR 610 767 C92 1 GEAR 610 773 C92 1 HOUSING 627 669 C1 2 HUB 627 363 C91 2 "O" RING 324 223 R1 4 "O" RING 627 969 C1 1 "O" RING 324 226 R1 1 "O" RING 324 227 R1

Continued next page

* - Not Part of Transmission Assembly.

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED
(Rockford)

625 802 C92	PACK ASSY (Cont'd)	
	(Composed of - Cont'd)	
2	PIN	324 244 R1
3	PIN	627 666 C1
2	PISTON	627 667 C1
1	PISTON	627 668 C1
26	PLATE	702 959 C1
24	PLATE	324 241 R1
2	PLATE	324 242 R1
1	PLATE	627 365 C1
4	RETAINER	324 231 R1
2	RING	324 222 R1
1	RING	347 297 R1
2	RING	324 232 R1
2	RING	324 245 R1
2	RING	333 857 R2
1	RING	627 366 C1
1	RING	627 367 C1
1	SHAFT	627 138 C91
2	SPACER	584 269 R1
2	SPACER	610 770 C1
6	SPRING	625 206 C1
6	SPRING	625 821 C1
2	VALVE	610 751 C1
2	WASHER	610 769 C1)

610 877 C91 KIT, separator plate field service
 TD-15BP 6001 to 20231
 TD-15BPS 9371 to 20231

	(Consists of -	
2	DISC	610 760 C1
3	PIN	610 755 C1
2	PISTON	610 481 C1
1	PLATE	610 478 C1
1	RING	324 226 R1
1	RING	324 227 R1
2	VALVE	610 751 C1)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS - CONTINUED
(Rockford)

MEMORANDA

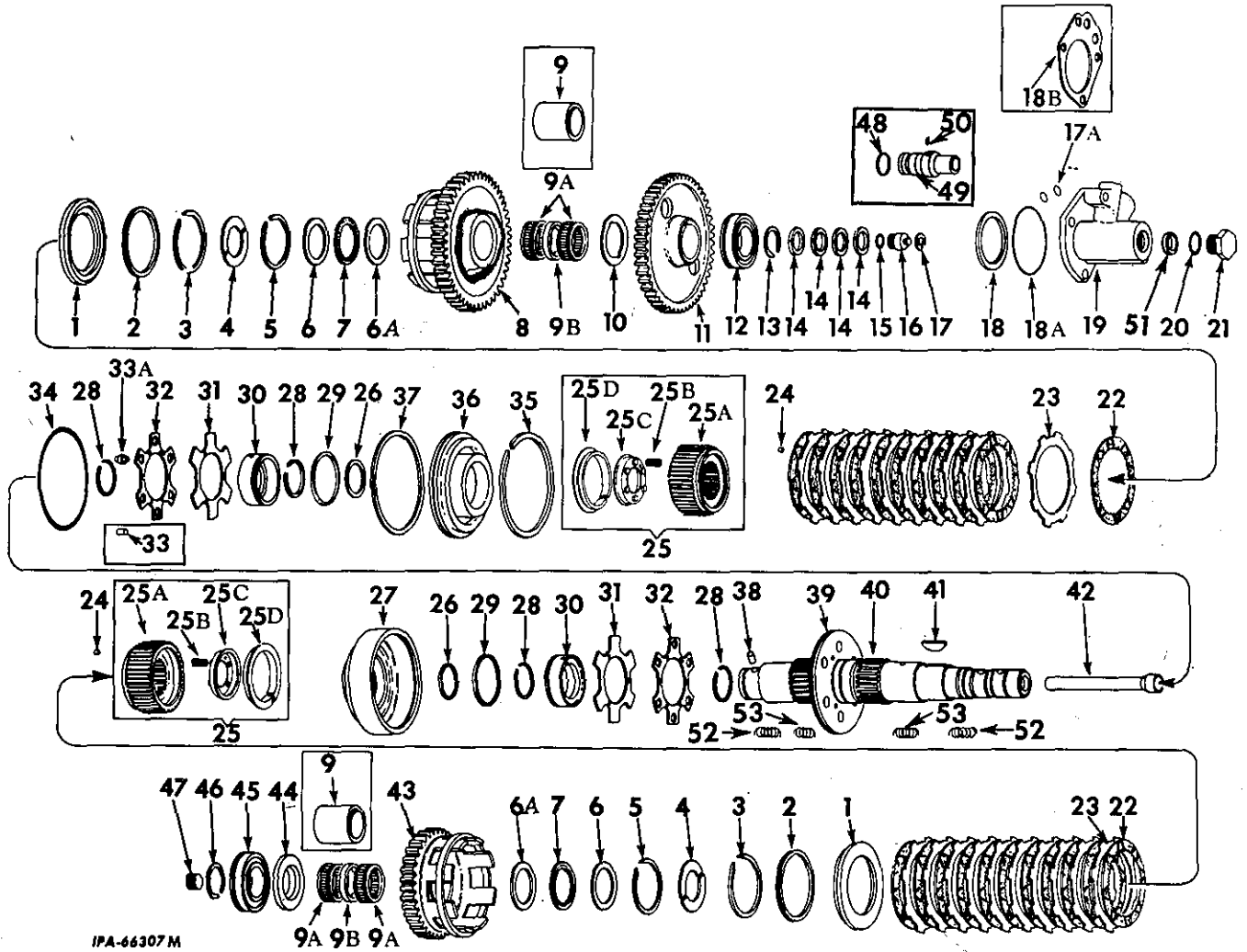
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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS (Rockford)



IPA-66307 M

1	627 370 C1	PLATE, backing (part of HUB ASSY, 627 369 C1)
1	324 254 R1	PLATE, clutch backing (2)
2	627 366 C1	RING, snap (external) (part of HUB ASSY, 627 369 C1)
2	324 245 R1	RING, snap (internal) (2)
3	627 367 C1	RING, snap (internal) (part of HUB ASSY, 627 369 C1)
3	333 857 R2	RING, snap (external) (2)
4	324 231 R1	RETAINER, clutch hub (4)
5	324 232 R1	RING, snap (internal) (2)
6	584 269 R1	SPACER, washer (Four used with PACK ASSY, 327 433 R91, 610 551 C91 and 610 553 C91) (two used with PACK ASSY, 610 757 C91 and 610 759 C91)
6A	610 769 C1	WASHER, thrust (Two used with PACK ASSY, 610 757 C92, 610 759 C92, 625 801 C92 and 625 803 C92)

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(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)

7	584 268 R91	BEARING, thrust washer (2)
8	324 215 R92	GEAR w/BUSHING 610 007 C1 second speed drive TD-15BP 6001 to 21158 TD-15BPS 9371 to 21158
8	610 767 C92	GEAR, clutch TD-15BP 21158 up TD-15BPS 21158 up
9	610 007 C1	BUSHING, gear (2) TD-15BP 6001 to 21158 (2) TD-15BPS 9371 to 21158
9A	610 772 C91	BEARING, roller (4) TD-15BP 21159 up (4) TD-15BPS 21159 up
9B	610 770 C1	SPACER, bearing (2) TD-15BP 21159 up (2) TD-15BPS 21159 up
10	325 012 R1	WASHER, second gear thrust

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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
11	325 017 R1	GEAR, reverse driven
12	321 966 R91	BEARING, reverse clutch shaft front
13	359 894 R1	RING, reverse clutch shaft front bearing snap
14	325 059 R1	RING, sealing (4)
15	574 069 R1	"O" RING (3/4 x 7/8 x 1/16") (Used with SHAFT ASSY, 324 247 R91)
15	347 641 R1	"O" RING (3/4 x 7/8 x 1/16") (Used with SHAFT ASSY, 610 761 C91 and 627 139 C91)
16	324 253 R2	PLUG, tachometer drive TD-15BP 6001 to 22000 TD-15BPS 9371 to 22000
17	324 252 R1	RING, snap (internal)
17A	350 667 R1	RING, reverse clutch shaft hydraulic manifold seal (11/16 x 7/8 x 3/32") (used with MANIFOLD, 325 082 R2 and MANIFOLD, 604 666 C1) (2)
18	345 836 R1	SHIM, reverse clutch shaft (.010) (X) TD-15BP 7730 up (X) TD-15BPS 9371 up
18	345 837 R1	SHIM, reverse clutch shaft (.030) (X) TD-15BP 7730 up (X) TD-15BPS 9371 up
18A	285 724 R1	RING, reverse clutch shaft hydraulic manifold sealing (3-3/8 x 3-5/8 x 1/8") (used with MANIFOLD, 325 082 R2 and MANIFOLD, 604 666 C1)
18B	325 018 R1	SHIM, reverse clutch shaft (.020) (X) TD-15BP 6001 to 7729
18B	325 019 R1	SHIM, reverse clutch shaft (.010) (X) TD-15BP 6001 to 7729
18B	325 020 R1	SHIM, reverse clutch shaft (.005) (X) TD-15BP 6001 to 7729
19	325 082 R1	MANIFOLD, reverse clutch shaft hydraulic TD-15BP 6001 to 7729 (Order the following parts - 1 MANIFOLD 604 666 C1 1 PLUG 604 667 C1 1 RING 285 724 R1 1 RING 307 915 R1 2 RING 350 667 R1 3 SHIM 345 836 R1 3 SHIM 345 837 R1)
19	325 082 R2	MANIFOLD, reverse clutch shaft hydraulic TD-15BP 7730 to 20118 TD-15BPS 9371 to 20118 (Order the following parts - 1 MANIFOLD 604 666 C1 1 PLUG 604 667 C1 1 RING 307 915 R1)
19	604 666 C1	MANIFOLD, reverse clutch shaft hydraulic TD-15BP 20119 up TD-15BPS 20119 up
	444 698	PLUG, 3/8" hex-soc-pipe (cd or zn-plttd) (2)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (2)
	179 867	7/16 x 2-1/4" hex-hd cap SCREW
	179 872	7/16 x 3-1/2" hex-hd cap SCREW
	103 322	7/16" lock WASHER (4)
20	296 247 R1	RING, tachometer cable adapter TD-15BP 6001 to 20018 TD-15BPS 9371 to 20118
20	307 915 R1	RING, tachometer cable adapter TD-15BP 20119 up TD-15BPS 20119 up
21	9 410 363	PLUG, reverse clutch shaft hydraulic manifold TD-15BP 6001 to 20118 TD-15BPS 9371 to 20118
21	604 667 C1	PLUG, reverse clutch shaft hydraulic manifold TD-15BP 20119 up TD-15BPS 20119 up
22	702 959 C1	PLATE, internal splines (22) (22 PLATE, 702 959 C1 will work for PLATE, 324 240 R1) (See NOTE)
22	324 240 R1	PLATE, internal splined (22) (order 22 PLATES, 702 959 C1) (See NOTE)
23	324 241 R1	PLATE, external splined (20)
24	324 244 R1	PIN, dowel (2)
25	346 646 R91	HUB, clutch (order HUB ASSY, 627 369 C91) (2)
25	627 364 C1	HUB, clutch (part of HUB ASSY, 627 363 C91)

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(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
25A		HUB (Not furnished separately)
25B		SPRING, piston return (Not furnished separately)
25C		RETAINER, spring (Not furnished separately)
25D		RETAINER, plate (Not furnished separately)
26	627 969 C1	"O" RING (piston hook type) (4)
27	324 228 R2	HOUSING, clutch piston TD-15BP 6001 to 25729 TD-15BPS 9371 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
27	627 669 C1	HOUSING, clutch piston TD-15BP 25730 up TD-15BPS 25730 up
28	324 222 R1	RING, snap (external) (4)
29	324 223 R2	"O" RING (Piston hook type) (2)
30	324 221 R1	PISTON, accelerating (order two PISTON, 610 481 C1) (2) TD-15BP 6001 to 20231 (2) TD-15BPS 9371 to 20231
30	610 481 C1	PISTON, accelerating (2) TD-15BP 20232 to 25259 (2) TD-15BPS 20232 to 25259
30	627 093 C1	PISTON, accelerating (2) TD-15BP 25260 to 25729 (2) TD-15BPS 25260 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
30	627 667 C1	PISTON, accelerating (2) TD-15BP 25730 up (2) TD-15BPS 25730 up
31	324 220 R1	VALVE, disc (Used with PACK ASSY, 321 971 R91 and 327 433 R91) (2)
31	610 751 C1	VALVE, disc (Used with PACK ASSY, 610 551 C91, 610 553 C91, 610 757 C92, 610 759 C92, 625 801 C92 and 625 803 C92) (2)
32	324 219 R1	DISC, reinforcing (Used with PACK ASSY, 321 971 R91 and 327 433 R91) (2)
32	625 205 C1	DISC, reinforcing (Used with PACK ASSY, 610 757 C92, 610 759 C92, 625 801 C92, and 625 803 C92) (2)
32	610 760 C1	DISC, reinforcing (Used with PACK ASSY, 610 551 C91, 610 553 C91, 610 757 C92 and 610 759 C92) (2)
33	324 218 R1	PIN, dowel (Used with PACK ASSY, 321 971 R91 and 327 433 R91) (3)
33A	610 755 C1	PIN, guide (3) TD-15BP 6001 to 25729 (3) TD-15BPS 9371 to 25729 (Order the following parts - 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1)
33A	627 666 C1	PIN, guide (3) TD-15BP 25730 up (3) TD-15BPS 25730 up
34	324 227 R1	"O" RING
35	347 297 R1	RING, snap (internal)
36	324 225 R2	PISTON, clutch TD-15BP 6001 to 25729 TD-15BPS 9371 to 25729 1 HOUSING 627 669 C1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1
36	627 668 C1	PISTON, clutch TD-15BP 25730 up TD-15BPS 25730 up

NOTE: Do Not Intermix Clutch Plate 702 959 C1 with Displaced 324 240 R1 Clutch Plates in Any One Clutch Pack Assembly.

X - As Required.

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED
(Rockford)

37	324 226 R1	"O" RING (lathe cut)	
38	324 238 R1	PIN, dowel (A-305177)	
39	346 596 R91	PLATE, separator (Order PACKAGE, 610 877 C91)	TD-15BP 6001 to 20231 TD-15BPS 9371 to 20231
39	610 478 C1	PLATE, separator	TD-15BP 20232 to 25259 TD-15BPS 20232 to 25259
39	627 092 C1	PLATE, separator	TD-15BP 25260 up TD-15BPS 25260 up
40	324 247 R91	SHAFT ASSY, clutch (Order PACKAGE, 610 876 C91)	TD-15BP 6001 to 20231 TD-15BPS 9371 to 20231

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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
40	610 761 C91	SHAFT ASSY, clutch (Used with PACK ASSY, 321 971 R91, 610 551 C91 and 610 553 C91) TD-15BP 20232 to 21158 TD-15BPS 20232 to 21158 (Composed of - 1 "O" RING 347 641 R1 1 PIN 324 238 R1 1 PLATE 610 478 C1 1 PLUG 324 253 R1 1 PLUG 347 553 R1 2 RING 324 222 R1 1 RING 324 252 R1 §1 TUBE)
40	610 771 C91	SHAFT ASSY, clutch (Used with PACK ASSY, 610 757 C92 and 610 759 C92) TD-15BP to 25259 TD-15BPS to 25259 (Composed of - 1 "O" RING 347 641 R1 2 PIN 17 164 R1 1 PIN 324 238 R1 1 PLATE 610 478 C1 1 PLUG 324 253 R1 1 PLUG 347 553 R1 2 RING 324 222 R1 1 RING 324 252 R1)
40	627 139 C91	SHAFT ASSY, clutch (Used with PACK ASSY, 625 801 C91 and PACK ASSY, 625 803 C91) TD-15BP 25260 up TD-15BPS 25260 up (Composed of - 1 "O" RING 347 641 R1 2 PIN 17 164 R1 1 PLATE 627 092 C1 1 PLUG 324 253 R1 1 PLUG 347 553 R1 2 RING 324 222 R1 1 RING 324 252 R1)
	17 164 R1	PIN, roll (Use with SHAFT, 610 771 C91 and SHAFT, 627 139 C91) (2) TD-15BP 21159 up (2) TD-15BPS 21159 up
41	118 002	KEY, reverse drive gear
42		TUBE (Not furnished separately)
43	324 216 R92	GEAR w/BUSHING 610 007 C1, first speed drive (Part of TRANSMISSION, 331 957 R93) TD-15BP 6001 to 21158
43	333 844 R92	GEAR w/BUSHING 610 007 C1, first speed drive (Part of TRANSMISSION, 331 958 R93) TD-15BPS 9371 to 21158
43	610 768 C92	GEAR, clutch (Part of TRANSMISSION, 331 957 R94 and 703 257 C93) TD-15BP 21159 up
43	610 773 C92	GEAR, clutch (Part of TRANSMISSION, 331 958 R94 and 703 257 C93) TD-15BPS 21159 up
44	325 016 R1	WASHER, first speed reverse gear thrust TD-15BP 6001 to 21158 TD-15BPS 9371 to 21158
44	611 254 C1	WASHER, first speed reverse gear thrust TD-15BP 21159 up TD-15BPS 21159 up
45	272 477 R91	BEARING, reverse clutch shaft rear
46	359 141 R1	RING, reverse clutch shaft rear bearing snap
47	347 553 R1	PLUG, 1/2" pipe
48	574 069 R1	"O" RING, 3/4 x 7/8 x 1-1/16" TD-15BP 22001 to 23101 TD-15BPS 22001 to 23101
49	604 352 C11	DRIVE w/DOWEL, 141 106, flexible shaft TD-15BP 22001 to 23101 TD-15BPS 22001 to 23101

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(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)		
50	141 106	DOWEL, flexible shaft TD-15BP 22001 to 23101 TD-15BPS 22001 to 23101
51	603 869 C91	SEAL, flexible drive shaft TD-15BP 22001 to 23101 TD-15BPS 22001 to 23101
52	625 821 C1	SPRING, compression (inner) (6) TD-15BP 25260 up TD-15BPS 25260 up
53	625 206 C1	SPRING, compression (outer) (6) TD-15BP 25260 up TD-15BPS 25260 up
	321 971 R91	PACK ASSY, final clutch (reverse) (Part of TRANSMISSION, 331 957 R91) (Order PACK ASSY, 625 801 C92) TD-15BP 6001 to 20231
	610 551 C91	PACK ASSY, final clutch (reverse) (Part of TRANSMISSION, 609 959 C91) (Will work for PACK ASSY, 321 971 R91) (Order PACK ASSY, 625 801 C92) TD-15BP 20232 to 21158
	610 757 C92	PACK ASSY, final clutch (reverse) (Order PACK ASSY, 625 801 C92) TD-15BP 21159 to 25259
	625 801 C91	PACK ASSY, final clutch (reverse) (Order PACK ASSY 625 801 C92) (Part of TRANSMISSION, 331 957 R94 and 703 257 C94) TD-15BP 25260 to 25700
	627 171 C92	PACK ASSY, final clutch (reverse) (Order PACK ASSY, 625 801 C92) TD-15BP 25701 to 25729
	625 801 C92	PACK ASSY, final clutch (reverse) (Will work for PACK 321 971 R91, PACK, 610 551 C91, PACK 627 171 C92, and PACK 625 801 C91) (Part of TRANSMISSION 703 257 C95) TD-15BP 25730 up (Composed of - 4 BEARING 610 772 C91 2 BEARING 584 268 R91 2 DISC 625 205 C1 1 GEAR 610 767 C92 1 GEAR 610 768 C92 1 GEAR 324 216 R91 1 HOUSING 627 669 C1 2 HUB 627 369 C91 2 "O" RING 324 223 R2 4 "O" RING 627 969 C1 1 "O" RING 324 226 R1 1 "O" RING 324 227 R1 2 PIN 324 244 R1 3 PIN 627 666 C1 2 PISTON 627 667 C1 1 PISTON 627 668 C1 22 PLATE 702 959 C1 20 PLATE 324 241 R1 2 PLATE 324 242 R1 1 PLATE 627 370 C1 2 SPACER 610 770 C1 2 VALVE 610 751 C1 2 WASHER 610 769 C1 4 RETAINER 324 231 R1 2 RING 324 222 R1 1 RING 347 297 R1 2 RING 324 232 R1 2 RING 324 245 R1 1 RING 627 366 C1 1 RING 627 367 C1 2 RING 333 857 R2 1 SHAFT 627 139 C91 2 SPACER 584 269 R1 6 SPRING 625 206 C1 6 SPRING 625 821 C1)
§ - Not Furnished Separately.		

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TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)

627 369 C91	HUB ASSY w/backing plate (will work for HUB, 346 646 R91) (Consists of -	
	1 HUB	627 364 C1
	1 PLATE	627 370 C1
	1 RING	627 366 C1
	1 RING	627 367 C1)
327 433 R91	PACK ASSY, final clutch (reverse) (part of TRANSMISSION, 331 958 R91) (Order PACK ASSY, 625 803 C92) TD-15BPS 9371 to 20231	
610 553 C91	PACK ASSY, final clutch (reverse) (part of TRANSMISSION, 609 960 C91) (Order PACK ASSY, 625 803 C92) TD-15BPS 20232 to 21158	
610 759 C92	PACK ASSY, final clutch (reverse) (order PACK ASSY, 625 803 C92) TD-15BPS 21159 to 25259	
625 803 C91	PACK ASSY, final clutch (reverse) (Order PACK ASSY, 625 803 C92) (part of TRANSMISSION, 331 958 R94 and 703 258 C94) TD-15BPS 25260 to 25700	
627 174 C92	PACK ASSY, final clutch (reverse) (Order PACK ASSY, 625 803 C92) TD-15BPS 25701 to 25729	
625 803 C92	PACK ASSY, final clutch (reverse) (will work for PACK, 327 433 R91, PACK, 610 553 C91, PACK, 627 174 C92 and PACK, 625 803 C91) (part of TRANSMISSION, 703 258 C94) TD-15BPS 25730 up (Composed of -	
	4 BEARING	610 772 C91
	2 BEARING	584 368 R91
	2 DISC	625 205 C1
	1 GEAR	610 767 C92
	1 GEAR	610 773 C92
	1 HOUSING	627 669 C1
	2 HUB	627 369 C91
	2 "O" RING	324 223 R2
	2 "O" RING	627 969 C1
	1 "O" RING	324 226 R1
	1 "O" RING	324 227 R1
	2 PIN	324 244 R1
	3 PIN	627 666 C1
	2 PISTON	627 667 C1
	1 PISTON	627 668 C1
	22 PLATE	702 959 C1
	20 PLATE	324 241 R1
	2 PLATE	324 242 R1
	1 PLATE	627 370 C1
	4 RETAINER	324 231 R1
	2 RING	324 222 R1
	1 RING	347 297 R1
	2 RING	324 232 R1
	2 RING	324 245 R1
	2 RING	333 857 R2
	1 RING	627 366 C1
	1 RING	627 367 C1
	1 SHAFT	627 139 C91
	2 SPACER	584 269 R1
	2 SPACER	610 770 C1
	6 SPRING	625 206 C1
	6 SPRING	625 821 C1
	2 VALVE	610 751 C1
	2 WASHER	610 769 C1)

610 876 C91 KIT, clutch shaft field service
TD-15BP 6001 to 20231
TD-15BPS 9371 to 20231

(Consists of -

2	DISC	610 760 C1
3	PIN	610 755 C1
2	PISTON	610 481 C1
1	RING	324 226 R1
1	RING	324 227 R1
1	SHAFT	610 761 C91
2	VALVE	610 751 C1)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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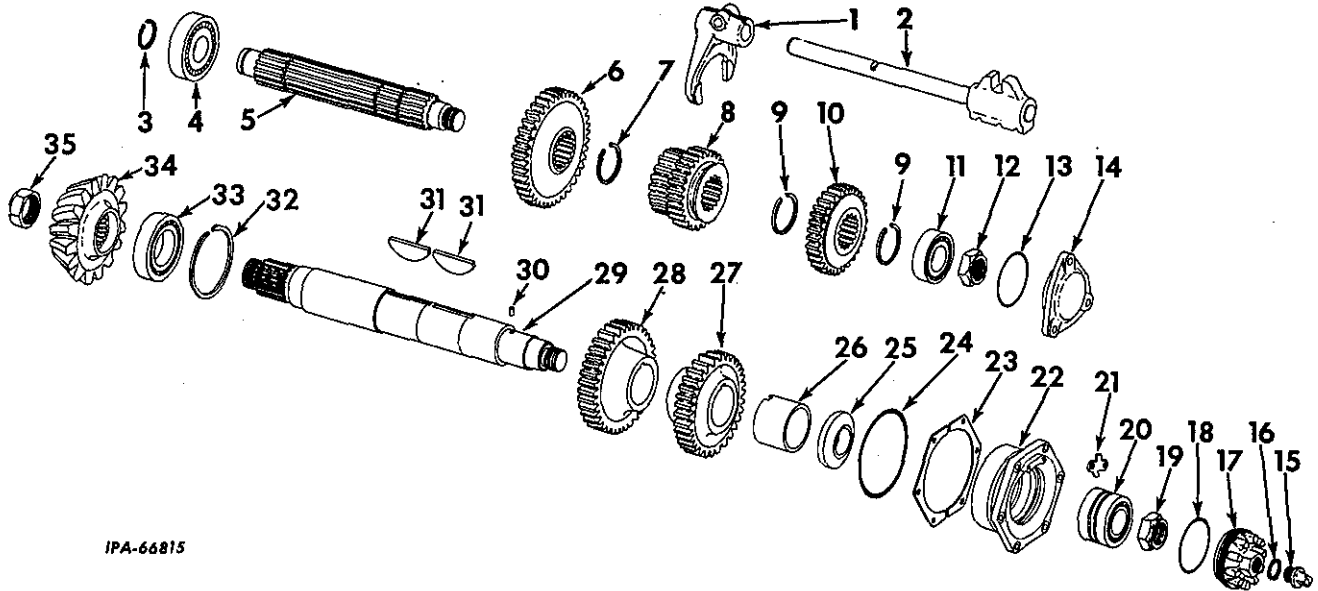
REVERSE CLUTCH PACK AND RELATED PARTS - CONTINUED (Rockford)

610 877 C91	KIT, separator plate field service TD-15BP 6001 to 20231 TD-15BPS 9371 to 20231 (Consists of -	
	2 DISC	610 760 C1
	3 PIN	610 755 C1
	2 PISTON	610 481 C1
	1 PLATE	610 478 C1
	1 RING	324 226 R1
	1 RING	324 227 R1
	2 VALVE	610 751 C1)

TRANSMISSION

(FOR POWER SHIFT CRAWLER TRACTORS)

BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS



IPA-66815

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	325 025 R1 454 522 R1	FORK, high low shifter NUT, lock 1/2 x 2-1/4" hex-hd cap SCREW
2	325 023 R11	SHAFT, high low shifter
3	359 894 R1	RETAINER, spline shaft rear bearing
4	272 479 R91	BEARING, spline shaft rear
5	325 081 R1	SHAFT, spline
6	325 056 R1	GEAR, first speed driven (42 T) (%)
6	325 988 R1	GEAR, first speed driven (44 T) (#)
7	324 051 R1	RETAINER, first speed driven gear
8	334 956 R1	GEAR, high and low speed driving (21-25T) (order GEAR 604 995 C1, GEAR 604 996 C1 and GEAR 604 997 C1) (#) TD-15BPS 9371 to 20522
8	334 957 R1	GEAR, high and low speed driving (21-25T) (order GEAR 604 992 C1, GEAR 604 993 C1 and GEAR 604 994 C1) (%) TD-15BP 6001 to 20522
8	604 993 C1	GEAR, high and low speed driving (21-25T) (%) TD-15BP 20523 up
8	604 995 C1	GEAR, high and low speed driving (20-24T) (#) TD-15BPS 20523 up
9	324 051 R1	RING, second speed driven gear snap (2)
10	325 058 R1	GEAR, second speed driven (31 T)
11	321 968 R91	BEARING, spline shaft front
12	19 499 R1	NUT, spline shaft
13	285 723 R1	"O" RING, spline shaft bearing cap (3-1/8 x 3-3/8 x 1/8")

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(FOR POWER SHIFT CRAWLER TRACTORS)

BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
14	325 008 R1 179 860 103 322	CAP, spline shaft bearing 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16" lock WASHER (3)
15	269 909 R2	PLUG, bevel pinion shaft front bearing retainer
16	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug
17	325 005 R1	RETAINER, bevel pinion shaft front bearing
18	285 723 R1	"O" RING, bevel pinion shaft front bearing retainer (3-1/8 x 3-3/8 x 1/8")
19	19 499 R1	NUT, bevel pinion shaft front
20	321 969 R91	BEARING, bevel pinion shaft front
21	325 007 R1 179 837 103 321	LOCK, bevel pinion shaft front bearing retainer 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
22	334 685 R2 179 862 103 322	CAGE, pinion shaft bearing 7/16 x 1-1/2" hex-hd cap SCREW (6) 7/16" lock WASHER (6)
23	334 686 R1	SHIM, bevel pinion shaft (medium) (.015) (X)
23	334 687 R1	SHIM, bevel pinion shaft (light) (.007) (X)
23	334 688 R1	SHIM, bevel pinion shaft (extra light) (.004) (X)
24	610 415 C1	"O" RING, bevel pinion shaft bearing cage (4-7/8 x 5-3/8 x 1/4")
25	325 004 R1	SPACER, bevel pinion shaft front
26	325 003 R1	SPACER, bevel pinion shaft rear

(X) - As Required.

(%) - Part of Transmission, 331 957 R93,
R94 and 703 257 C94.

(#) - Part of Transmission, 331 958 R93,
R94 and 703 258 C94.

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(FOR POWER SHIFT CRAWLER TRACTORS)

MEMORANDA

REF. NO.	I.H. PART NUMBER	DESCRIPTION
BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS - CONTINUED		
27	334 954 R1	GEAR, high range driven (34T) (order Gear 604 995 C1, GEAR 604 996 C1 and GEAR 604 997 C1) (#) TD-15BPS 9371 to 20522
27	334 955 R1	GEAR, high range driven (33T) (order GEAR 604 992 C1, GEAR 604 993 C1 and GEAR 604 994 C1) (%) TD-15BP 6001 to 20522
27	<u>604 992 C1</u>	GEAR, high range driven (33T) (%) TD-15BP 20523 up
27	604 997 C1	GEAR, high range driven (34T) (#) TD-15BPS 20523 up
28	325 001 R1	GEAR, low range driven (37T) (order GEAR 604 992 C1, GEAR 604 993 C1 and GEAR 604 994 C1) (%) TD-15BP 6001 to 20522
28	330 571 R1	GEAR, low range driven (37T) (order GEAR 604 995 C1, GEAR 604 996 C1 and GEAR 604 997 C1) (#) TD-15BPS 9371 to 20522
28	<u>604 994 C1</u>	GEAR, low range driven (37T) (%) TD-15BP 20523 up
28	604 996 C1	GEAR, low range driven (37T) (#) TD-15BPS 20523 up
29	325 054 R1	SHAFT, bevel pinion (18 T)
30	141 127	PIN, 5/32 x 5/16" dowel
31	12 484 R1	KEY, high and low range driven gear (2)
32	324 049 R1	RETAINER, rear bearing bevel pinion
33	321 967 R91	BEARING, pinion rear
34	325 055 R1	PINION, bevel (*)
35	19 829 R1	NUT, bevel pinion retainer
	334 226 R1	GEAR, drive bevel (*)
	331 786 R91	GEAR, 334 226 R1 and PINION, 325 055 R1 drive bevel (matched set) (*)

(*) Also Listed and Illustrated with "Steering Planetary Drive."

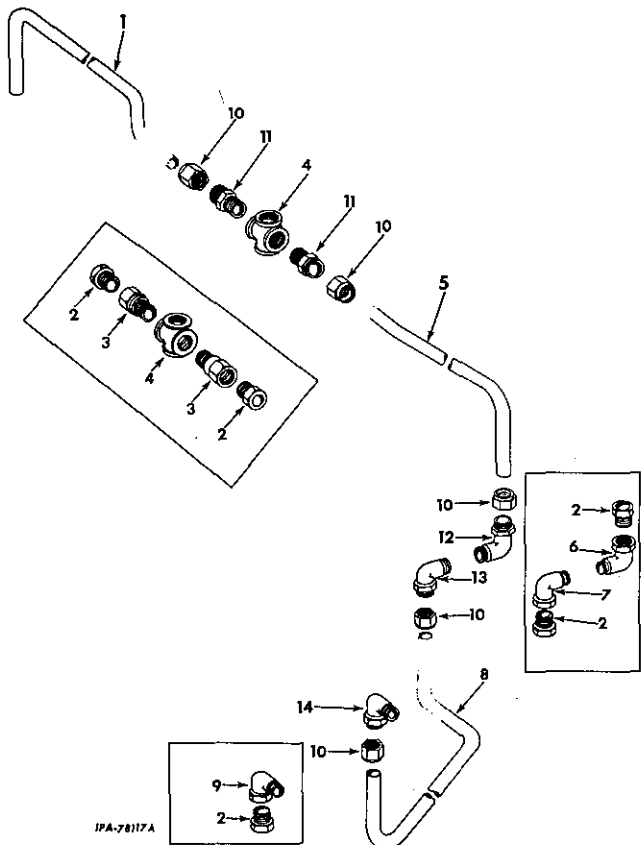
(%) - Part of Transmission, 331 957 R93, R94 and 703 257 C91.

(#) - Part of Transmission, 331 958 R93, R94 and 703 258 C91.

BRAKES AND CONTROLS

(FOR MANUAL SHIFT CRAWLER TRACTORS)

OIL COOLING BRAKE PIPING
 TD-15BG 7260 to 20420 (*)
 TD-15B(Agr)BGA 7260 to 20420 (*)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	607 834 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, cross to LH rear frame (together with CONNECTOR, 606 819 C1 and ELBOW 606 930 C1 will work for TUBE, 343 002 R2 on units equipped with 1/4" pipe cross) also (together with CONNECTOR, 606 929 C1 and ELBOW, 606 930 C1 will work for TUBE, 343 002 R2 on units equipped with 1/8" pipe cross)
2	37 165 D	NUT, tube (Used with TUBES, 343 002 R2, 343 003 R2, 341 745 R2 and 341 746 R2) (8)
3	39 584 D	CONNECTOR, tube (Used with CROSS, 144 157) (2)
3	38 026 DM	CONNECTOR, tube (Used with CROSS, 144 151) (2)
4	144 157	CROSS, 1/8" pipe (brass) TD-15BG 7260 to 20041 TD-15B(Agr)BGA 7260 to 20041
4	144 151	CROSS, 1/4" pipe (zn-pltd) TD-15BG 20042 to 20420 TD-15B(Agr)BGA 20042 to 20420

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BRAKES AND CONTROLS

(FOR MANUAL SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OIL COOLING BRAKE PIPING -- CONTINUED		
TD-15BG 7260 to 20420 (*)		
TD-15B(Agr)BGA 7260 to 20420 (*)		

5	607 835 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, cross to RH rear frame (together with CONNECTOR, 606 819 C1 and ELBOW, 606 930 C1 will work for TUBE, 343 003 R2 on units equipped with 1/4" pipe cross) also (together with CONNECTOR, 606 929 C1 and ELBOW, 606 930 C1 will work for TUBE, 343 003 R2 on units equipped with 1/8" pipe cross)
6	37 167 D	ELBOW, tube to rear frame (Used with TUBES, 343 002 R2 and 343 003 R2) (2)
7	37 167 D	ELBOW, rear frame to pressure tube (in rear frame) (Used with TUBES, 341 745 R2 and 341 746 R2) (2)
8	607 836 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 LH brake cooling pressure (in rear frame) (together with ELBOW, 606 930 C1 and ELBOW, 606 931 C1 will work for TUBE, 341 745 R2)
8	607 837 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 RH brake cooling pressure (in rear frame) (together with ELBOW, 606 930 C1 and ELBOW, 606 931 C1 will work for TUBE, 341 746 R2)
9	336 934 R1	ELBOW, brake cooling pressure tube outlet (Used with TUBES, 341 745 R2 and 341 746 R2) (2)
10	265 205 R1	NUT, tube (Used with TUBES, 607 834 C11, 607 835 C11, 607 836 C11 and 607 837 C11) (8)
	265 204 R1	SLEEVE, tube (8)
11	606 819 C1	CONNECTOR, tube (Used with CROSS, 144 151) (2)
11	606 929 C1	CONNECTOR, tube (Used with CROSS, 144 157) (2)
12	606 930 C1	ELBOW, tube to rear frame (Used with TUBES, 607 834 C11 and 607 835 C11) (2)
13	606 930 C1	ELBOW, rear frame to pressure tube (in rear frame) (Used with TUBES, 607 836 C11 and 607 837 C11) (2)
14	606 931 C1	ELBOW, brake cooling pressure tube outlet (Used with TUBES, 607 836 C11 and 607 837 C11) (2)

(*) - For "Oil Cooling Brake Piping" with Serial Numbers above those listed on this page refer to "Oil Cooling Brake Piping, Sprocket Drive and Rear Frame Vent Tubes and Connections" in Final Drive Section.

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BRAKES AND CONTROLS (FOR POWER SHIFT CRAWLER TRACTORS)

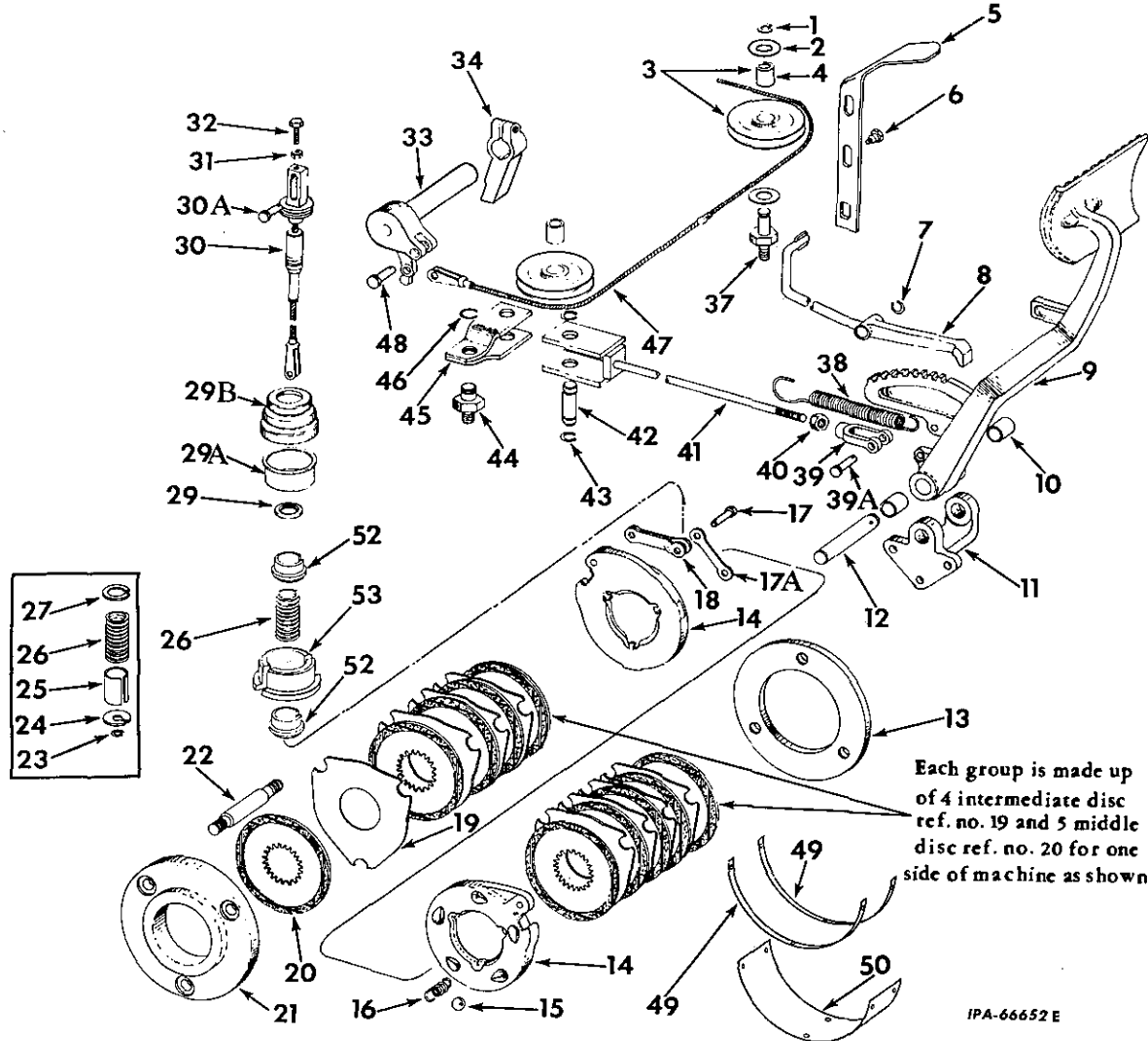
BRAKES AND CONTROLS

TD-15BP 6001 to 25675
 TD-15BG 7260 to 25675
 TD-15B(Agr)BGA 7260 to 25675
 TF-15BPS 9371 to 25675
 TD-15BGF 21281 to 25675
 TD-15BGS 21676 to 25765

BRAKES AND CONTROLS (FOR POWER SHIFT CRAWLER TRACTORS)

BRAKES AND CONTROLS - CONTINUED

TD-15BP 6001 to 25675
 TD-15BG 7260 to 25675
 TD-15B(Agr)BGA 7260 to 25675
 TD-15BPS 9371 to 25675
 TD-15BGF 21281 to 25675
 TD-15BGS 21676 to 25765



Each group is made up of 4 intermediate disc ref. no. 19 and 5 middle disc ref. no. 20 for one side of machine as shown

IPA-66652 E

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	631 530 R1	RING, snap
2	452 971 R1	SPACER, idler pulley (2)
3	325 558 R11	PULLEY w/BUSHING, 307 434 R1, foot brake actuating cable (2)
4	307 434 R1	BUSHING, pulley (2)
5	334 400 R1	LEVER, brake pawl operating TD-15BP 6001 to 8229 TD-15BG 7260 to 8229 TD-15B(Agr)BGA 7260 to 8229
5	604 198 C1	LEVER, brake pawl operating TD-15BP 8230 to 25675 TD-15BG 8230 to 25675 TD-15B(Agr)BGA 8230 to 25000 TD-15BPS 9371 to 25675 TD-15BGF 21281 to 25675 TD-15BGS 21676 to 25675

REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	603 475 C1	GUIDE, manual brake pawl (2)
	300 657 R1	WASHER, brake guide pawl (2)
	109 084	1/4" NUT (2)
	103 319	1/4" lock WASHER (2)
7	373 692 R1	RING, snap
8	334 217 R92	PAWL, manual brake pedal
9	345 584 R92	PEDAL w/two BUSHING, 325 180 R1, brake
10	325 180 R1	BUSHING, brake pedal (2)
11	325 569 R1	BRACKET, brake pedal mounting
	102 637	1/2" NUT (3)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)

BRAKES AND CONTROLS
(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS - CONTINUED		
TD-15BP 6001 to 25675		
TD-15BG 7260 to 25675		
TD-15B(Agr)BGA 7260 to 25000		
TD-15BPS 9371 to 25675		
TD-15BGF 21281 to 25675		
TD-15BGS 21676 to 25675		
12	325 570 R1 576 484 R1	SHAFT, brake pedal PIN, 3/16 x 1-3/4" roll
13	334 834 R2	RING, brake back up (2)
14		DISC (Not Furnished Separately) (order 366 182 R91)
15	16 028 R1	BALL, chrome steel (7/8" dia grade 2) (10)
16	619 731 C1	SPRING, extension (6)
17	103 497	PIN, rod end (2) 3/32 x 1" cotter PIN (2)
17A	357 113 R1	LINK, plain actuating (2)
18	357 114 R91	LINK, yoke actuating (2)
19	324 122 R1	DISC, intermediate (16)
20	627 306 C1	DISC, middle (20)
21	343 025 R1	RING, LH brake retaining
21	343 026 R1	RING, RH brake retaining
22	338 262 R2 427 639 108 643	STUD, brake (will work for 334 833 R1 and 338 263 R1) (6) 3/4NF thick slotted NUT (6) 5/32 x 1-3/8" cotter PIN (6)
23	324 113 R1	RING, snap (used with CABLE, 325 267 R93) (2)
24	325 273 R1	RETAINER, brake cable return spring (used with CABLE, 325 267 R93) (2)
25	325 270 R1	GUIDE, brake cable return spring (used with CABLE, 325 267 R93) (2)
26	341 945 R2	SPRING, brake cable return (2)
27	325 271 R1	RETAINER, brake cable return spring (used with CABLE, 325 267 R93) (2)
29	324 103 R91	SEAL, brake actuating cable guide (2)
29A	338 276 R2	SLEEVE, brake guide boot (2)
29B	338 277 R3	BOOT, brake cable (2)
30	325 267 R93	CABLE, brake actuating (2) TD-15BP 6001 to 20689 (2) TD-15BG 7260 to 20689 (2) TD-15B(Agr)BGA 7260 to 20689 (2) TD-15BPS 9371 to 20689 (Order the following parts - 1 BOLT 609 771 C2 1 CABLE 609 770 C91 1 LOCK 609 773 C11 1 NUT, 7/16" 2 RETAINER 609 772 C1)
30	609 770 C91	CABLE, brake actuating (2) TD-15BP 20690 to 25675 (2) TD-15BG 20690 to 25675 (2) TD-15B(Agr)BGA 20690 to 25000 (2) TD-15BPS 20690 to 25675 (2) TD-15BGF 21281 to 25675 (2) TD-15BGS 21676 to 25675 108 636 3/32 x 1-1/8" cotter PIN

BRAKES AND CONTROLS
(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS - CONTINUED		
TD-15BP 6001 to 25675		
TD-15BG 7260 to 25675		
TD-15B(Agr)BGA 7260 to 25000		
TD-15BPS 9371 to 25675		
TD-15BGF 21281 to 25675		
TD-15BGS 21676 to 25675		
30A	98 724 H 103 385	PIN, rod end (2) 1/8 x 1" cotter PIN (2)
31	102 635	NUT, 3/8" (used with CABLE, 325 267 R93) (2)
31	271 500	NUT, 7/16" (used with CABLE, 609 770 C91) (2)
32	338 009 R1	BOLT, brake cable adjusting (used with CABLE, 325 267 R93) (2)
32	609 771 C2	BOLT, brake cable adjusting (used with CABLE, 609 770 C91) (2)
33	609 850 C11	BELLCRANK, LH brake actuating
33	609 851 C11	BELLCRANK, RH brake actuating
34	334 872 R1 179 887 103 323 124 557	LEVER, pivot brake pick-up (2) 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2) KEY, 5/16 x 1-1/8" (Woodruff No. C) (2)
37	325 559 R1	SHAFT, idler pulley stud
38	272 536 R1	SPRING, brake pedal return
39	104 039	CLEVIS, short adjustable
39A	103 498 103 385	PIN, rod end 1/8 x 1" cotter PIN
40	103 028	NUT, 1/2NF
41	325 563 R92	YOKE, brake pulley pull rod
42	325 567 R1	SHAFT, pulley
43	631 530 R1	RING, snap (2)
44	325 562 R1	STUD, pulley support
45	330 705 R91	SUPPORT, pulley
46	631 530 R1	RING, snap
47	325 554 R93	CABLE, foot brake actuating
48	84 727 H 103 385	PIN, rod end (2) 1/8 x 1" cotter PIN (2)
49	343 015 R1	GASKET, pivot brake oil sump (4)
50	343 014 R1 603 347 C1 16 558 R1	SUMP, pivot brake oil (2) BOLT, 1/4 x 1/2" (12) WASHER, 17/64 x 5/8" x 18 ga (12)
52	609 772 C1	RETAINER, brake cable return spring (used with CABLE, 609 770 C91) (4)
53	609 773 C11	LOCK, brake cable return spring retainer (used with CABLE, 609 770 C91) (2)
	625 639 C92	BRAKE w/eight DISC, 324 122 R1, ten DISC, 627 306 C1 and DISC, 366 182 R92) (2)
	366 182 R92	DISC ASSEMBLY, actuating (2) (Composed of - 5 BALL 16 028 R1 2 DISC 1 LINK 357 113 R1 1 LINK 357 114 R91 3 SPRING 619 731 C1 2 STUD 354 642 R1)
§ - Not Furnished Separately.		

BRAKES AND CONTROLS
(FOR POWER SHIFT CRAWLER TRACTORS)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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BRAKES AND CONTROLS - CONTINUED

TD-15BP 6001 to 25675
 TD-15BG 7260 to 25675
 TD-15B(Arg)BGA 7260 to 25000
 TD-15BPS 9371 to 25675
 TD-15BGF 21281 to 25675
 TD-15BGS 21676 to 25675

109 460		FITTING, 1/8 x 65" special extra short, brake pedal lubrication (Lincoln 5300)
213 517		FITTING, 1/8" straight brake actuating bellcrank lubrication (Lincoln 5007) (Optional with 273 347) (2)
273 347		FITTING, 1/8" straight brake actuating bellcrank lubrication (Alemite 1669B) (Optional with 213 517) (2)
338 263 R1		SPACER (used with STUD, 334 833 R1 only)
354 642 R1		STUD (4) 5/16NF light jam NUT (4)
278 027 R1		WIRE, bulk locking (No. 16 ga) (.0625") (customer must specify amount required)
628 059 C91		PACKAGE, steering brake field, improvement TD-15BP 8230 to 25675 TD-15BG 8230 to 25675 TD-15B(Arg)BGA 8230 to 25000 TD-15BPS 9371 to 25675 TD-15BGF 21281 to 25675 TD-15BGS 21676 to 25675 (Consists of - 2 ACTUATOR 654 674 C1 10 BALL 17 100 R1 2 CABLE 654 124 C1 X CARRIER 628 056 C91 X CARRIER 628 055 C91 2 DAM 654 706 C1 14 DISC 619 200 C1 2 HUB 654 690 C1 2 LEVER 654 700 C1 2 PINION 654 718 C1 16 PLATE 324 452 R1 2 PLATE 654 673 C1 2 RETAINER 654 691 C2 4 RING 324 051 R1 2 SHAFT 654 079 C1 2 SPACER 654 708 C1 2 SPRING 654 080 C1 6 SPRING 654 675 C1 2 SUPPORT 654 707 C1)

X - As Required

MEMORANDA

MEMORANDA

BRAKES AND CONTROLS (FOR POWER SHIFT CRAWLER TRACTORS)

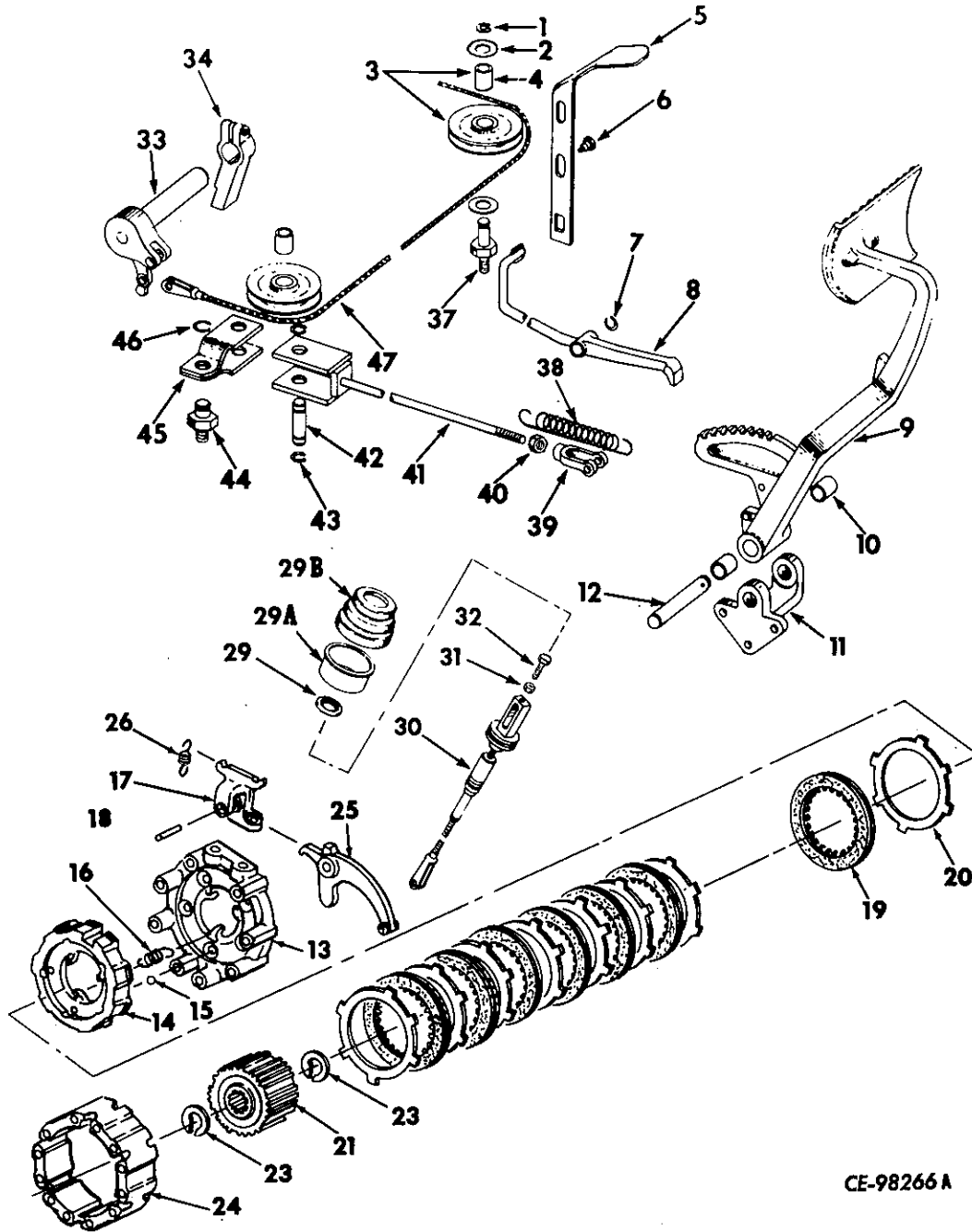
BRAKES AND CONTROLS

TD-15BP 25676 up
TD-15BG 25676 up
TD-15B(Custom)BGA 25001 up
TD-15BPS 25676 up
TD-15BGF 25676 up
TD-15BGS 25676 up

BRAKES AND CONTROLS (FOR POWER SHIFT CRAWLER TRACTORS)

BRAKES AND CONTROLS - CONTINUED

TD-15BP 25676 up
TD-15BG 25676 up
TD-15B(Custom)BGA 25001 up
TD-15BPS 25676 up
TD-15BGF 25676 up
TD-15BGS 25676 up



CE-98266A

BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS - CONTINUED		
	TD-15BP 25676 up	
	TD-15BG 25676 up	
	TD-15B(Custom)BGA 25001 up	
	TD-15BPS 25676 up	
	TD-15BGF 25676 up	
	TD-15BGS 25676 up	
1	631 530 R1	RING, snap
2	452 971 R1	SPACER, idler pulley (2)
3	325 558 R11	PULLEY w/BUSHING, 307 434 R1, foot brake actuating cable (2)
4	307 434 R1	BUSHING, pulley (2)
5	604 198 C1	LEVER, brake pawl operating
6	603 475 C1	GUIDE, manual brake pawl (2)
	109 084	1/4" NUT (2)
	103 319	1/4" lock WASHER (2)
	300 657 R1	WASHER, brake pawl lever guide
7	373 692 R1	RING, gear
8	650 199 C1	PAWL, manual brake pedal (For Custom Crawler Tractors)
8	334 217 R92	PAWL, manual brake pedal (For Power Shift Crawler Tractors)
9	345 584 R91	PEDAL w/BUSHING, 325 180 R1, brake
10	325 180 R1	BUSHING, brake pedal (2)
11	325 569 R1	BRACKET, brake pedal mounting
	103 323	1/2" NUT (3)
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
12	325 570 R1	SHAFT, brake pedal
	576 484 R1	PIN, 3/16 x 1-3/4" roll
13	654 673 C1	PLATE, brake actuator pressure (2) 3/8 x 4-1/2" hardened BOLT (16)
14	654 674 C1	ACTUATOR, brake (2)
15	17 100 R1	BALL, chrome steel brake actuating (1" dia grade 2) (10)
16	654 675 C1	SPRING, actuator return (6)
17	654 707 C1	SUPPORT, brake actuating lever (2)
	525 841 R1	BOLT (4)
	524 443 R1	WASHER (4)
18	654 079 C1	SHAFT, brake actuating lever pivot (2)
19	619 200 C1	DISC, brake friction (14)
20	324 452 R1	PLATE, friction disc separator (16)
21	654 690 C1	HUB, brake retaining (2)
23	324 051 R1	RING, brake hub retaining (4)
24	654 691 C1	RETAINER, clutch plate
	277 232 R1	BOLT, 3/8 x 2-3/4"
25	654 700 C1	LEVER, brake actuating
26	654 080 C1	SPRING, brake actuating lever return
29	324 103 R91	SEAL, brake actuating cable guide (2)
29A	338 276 R2	SLEEVE, brake guide boot (2)
29B	338 277 R3	BOOT, brake cable (2)

BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

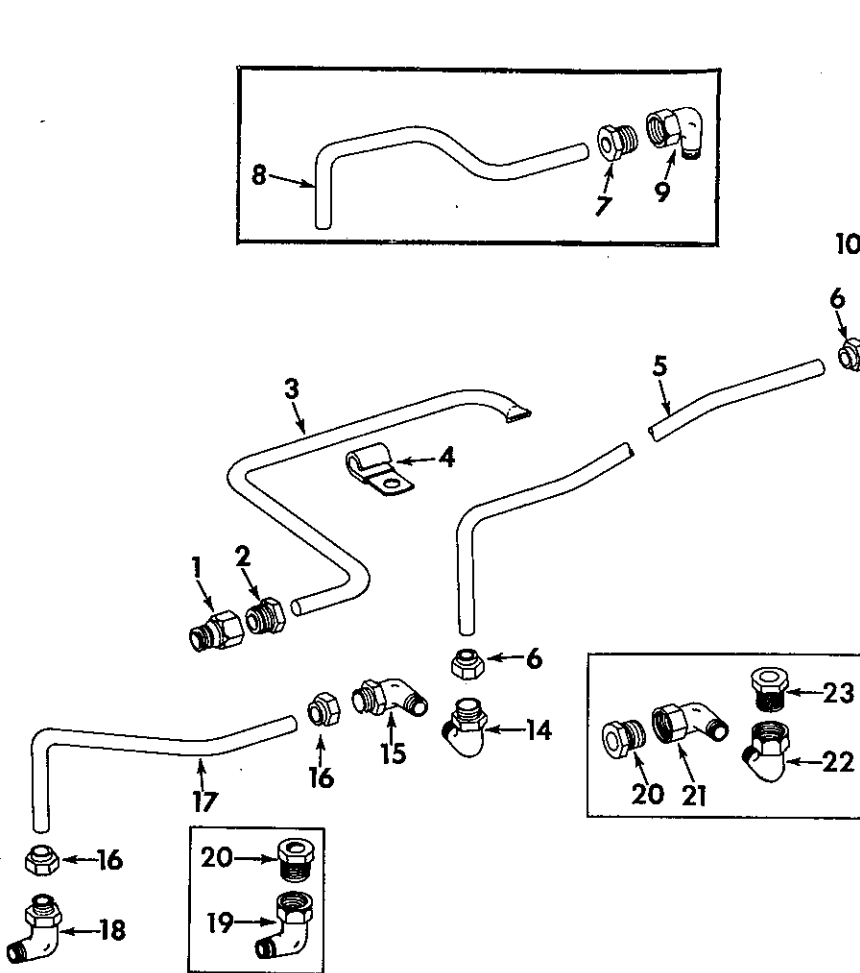
REF. NO.	I. H. PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS - CONTINUED		
	TD-15BP 25676 up	
	TD-15BG 25676 up	
	TD-15B(Custom)BGA 25001 up	
	TD-15BPS 25676 up	
	TD-15BGF 25676 up	
	TD-15BGS 25676 up	
30	654 124 C1	CABLE, brake actuating (2) 1/8 x 1" cotter PIN (2) 3/32 x 1" cotter PIN (2)
	27 128 H	PIN, rod end (2)
	103 497	PIN, rod end (2)
31	103 322	NUT, 7/16" (2)
32	609 771 C2	BOLT, brake actuating cable (2) 7/16" NUT
33	609 850 C11	BELLCRANK, LH brake actuating
33	609 851 C11	BELLCRANK, RH brake actuating
34	334 872 R1	LEVER, pivot brake pick-up (2)
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	124 557	KEY, 5/16 x 1-1/8" (Woodruff No. C) (2)
37	325 559 R1	SHAFT, foot brake actuating cable pulley stud
38	272 536 R1	SPRING, brake pedal return
39	104 039	CLEVIS, short adjustable
	103 498	PIN, rod end
	103 385	1/8 x 1" cotter PIN
40	103 028	NUT, 1/2 NF
41	325 563 R92	YOKE, brake pulley pull rod
42	325 567 R1	SHAFT, pulley
43	631 530 R1	RING, snap (2)
44	325 562 R1	STUD, pulley support
45	330 705 R91	SUPPORT, pulley
46	631 530 R1	RING, snap
47	325 554 R93	CABLE w/two PIN, foot brake actuating
	103 385	1/8 x 1" cotter PIN (2)
	108 636	3/32 x 1-1/8" cotter PIN (2)
	84 727 H	PIN, rod end
	345 974 R2	BUSHING, push rod lever shaft (2)
	273 347	FITTING, brake actuating bellcrank lubrication (Alemite 1669B) (2)
	109 460	FITTING, lubrication, brake pedal
	654 708 C1	SPACER, (2) (Part of Package 628 059 C91)

BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

OIL COOLING BRAKE PIPING

TD-15BP 6001 to 20612 except 20376 to 20515 (*)
TD-15BPS 9371 to 20612 except 20376 to 20515 (*)

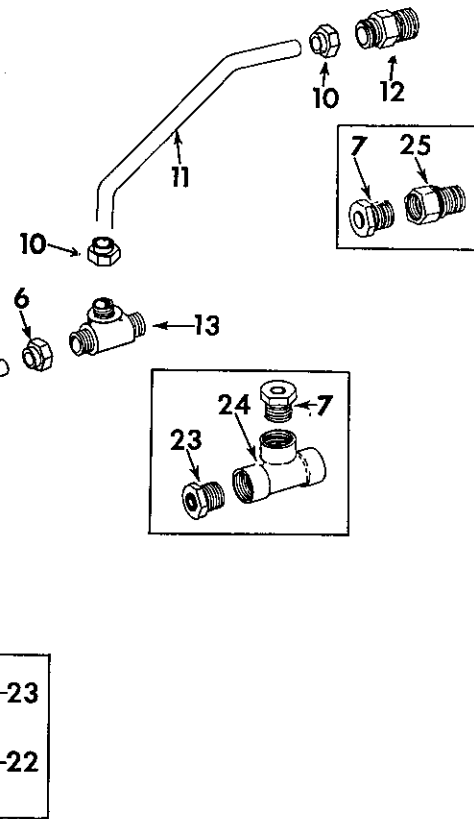


BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

OIL COOLING BRAKE PIPING - CONTINUED

TD-15BP 6001 to 20612 except 20376 to 20515 (*)
TD-15BPS 9371 to 20612 except 20376 to 20515 (*)



IPA-67665A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	39 584 D	CONNECTOR, sprocket drive carrier vent tube (2) TD-15BP 6001 to 6298
2	37 165 D	NUT, sprocket drive carrier vent tube (2) TD-15BP 6001 to 6298
3	343 011 R1	TUBE, sprocket drive carrier vent (2) TD-15BP 6001 to 6298
4	362 120 R1	CLAMP, vent tube (2) TD-15BP 6001 to 6298
	179 833	3/8 x 1/2" hex-hd cap SCREW (2)
5	343 005 R1	TUBE, LH tee to rear frame (See NOTE) TD-15BP 6001 to 9622 TD-15BPS 9371 to 9622
5	607 841 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH tee to rear frame TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
5	343 006 R1	TUBE, RH tee to rear frame (See NOTE) TD-15BP 6001 to 9622 TD-15BPS 9371 to 9622

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
NOTE: To update machines equipped with LH tee to rear frame TUBE, 343 005 R1, RH tee to rear frame TUBE, 343 006 R1, Serial Numbers TD-15BP 6001 to 9622 and TD-15BPS 9371 to 9622 and Regulator to Tee TUBE, 345 512 R1, Serial Numbers TD-15BP 6326 to 9622 and TD-15BPS 9371 to 9622 (Order the following parts -		
1	CONNEC-	
	TOR	606 929 C1
2	ELBOW	606 930 C1
1	TEE	606 933 C1
1	TUBE	607 840 C11
1	TUBE	607 941 C11
1	TUBE	607 842 C11)

(*) - For "Oil Cooling Brake Piping" with Serial Numbers above those listed on this page refer to "Oil Cooling Brake Piping, Sprocket Drive and Rear Frame Vent Tubes and Connections" in Final Drive Section.

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BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
OIL COOLING BRAKE PIPING - CONTINUED		
TD-15BP 6001 to 20612 except 20376 to 20515 (*)		
TD-15BPS 9371 to 20612 except 20376 to 20515 (*)		
5	607 842 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH tee to rear frame TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
6	265 205 R1	NUT, tee to rear frame tube (4) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
	265 204 R1	SLEEVE, tee to rear frame tube (4)
7	37 165 D	NUT, regulator to tee tube (2) TD-15BP 6001 to 9622 TD-15BPS 9371 to 9622
8	343 004 R1	TUBE, regulator to tee TD-15BP 6001 to 6325
9	37 167 D	ELBOW, regulator outlet (brake cooling) TD-15BP 6001 to 6325
10	265 205 R1	NUT, regulator to tee tube (2) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
	265 204 R1	SLEEVE, regulator to tee tube (2)
11	345 512 R1	TUBE, regulator to tee (See NOTE) TD-15BP 6326 to 9622 TD-15BPS 9371 to 9622
11	607 840 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, regulator to tee TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
12	606 929 C1	CONNECTOR, regulator outlet tee (brake cooling) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
13	606 933 C1	TEE, regulator tube to rear frame tube TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BPS 9623 to 20612 except 20376 to 20515
14	606 930 C1	ELBOW, tube to rear frame (2) TD-15BP 9623 to 20612 except 20376 to 20515 (2) TD-15BPS 9623 to 20612 except 20376 to 20515
15	606 930 C1	ELBOW, rear frame to pressure tube (in rear frame) (Used with TUBES, 607 836 C11 and 607 837 C11) (2)
16	265 205 R1	NUT, brake cooling pressure tube (Used with TUBES, 607 836 C11 and 607 837 C11) (4)
	265 204 R1	SLEEVE, brake cooling pressure tube (4)
17	343 007 R1	TUBE, LH brake cooling pressure (in rear frame) TD-15BP 6001 to 6298
17	607 836 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH brake cooling pressure (in rear frame) (together with ELBOW, 606 930 C1 and ELBOW, 606 931 C1 will work for TUBE, 341 745 R2) TD-15BP 6299 to 20612 except 20376 to 20515 TD-15BPS 9371 to 20612 except 20376 to 20515

BRAKES AND CONTROLS

(FOR POWER SHIFT CRAWLER TRACTORS)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
OIL COOLING BRAKE PIPING - CONTINUED		
TD-15BP 6001 to 20612 except 20376 to 20515 (*)		
TD-15BPS 9371 to 20612 except 20376 to 20515 (*)		
17	343 008 R1	TUBE, RH brake cooling pressure (in rear frame) TD-15BP 6001 to 6298
17	607 837 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 RH brake cooling pressure (in rear frame) (together with ELBOW, 606 930 C1 and ELBOW, 606 931 C1 will work for TUBE, 341 746 R2) TD-15BP 6299 to 20612 except 20376 to 20515 TD-15BPS 9371 to 20612 except 20376 to 20515
18	606 931 C1	ELBOW, brake cooling pressure tube outlet (Used with TUBES, 607 836 C11 and 607 837 C11) (2)
19	336 934 R1	ELBOW, brake cooling pressure tube outlet (Used with TUBES, 341 745 R2, 341 746 R2, 343 007 R1 and 343 008 R1) (2)
20	37 165 D	NUT, brake cooling pressure tube (Used with TUBES, 341 745 R2, 341 746 R2, 343 007 R1 and 343 008 R1) (4)
21	37 167 D	ELBOW, rear frame to pressure tube (in rear frame) (Used with TUBES, 341 745 R2, 341 746 R2, 343 007 R1 and 343 008 R1) (2)
22	37 167 D	ELBOW, tube to rear frame (2) TD-15BP 6001 to 9622 (2) TD-15BPS 9371 to 9622
23	37 165 D	NUT, tee to rear frame tube (4) TD-15BP 6001 to 9622 (4) TD-15BPS 9371 to 9622
24	252 628 R1	TEE, regulator tube to rear frame tube TD-15BP 6001 to 9622 TD-15BPS 9371 to 9622
25	39 584 D	CONNECTOR, regulator outlet tee (brake cooling) TD-15BP 6326 to 9622 TD-15BPS 9371 to 9622
	255 007 R1	CLAMP, tee to rear frame tube
	109 084	1/4" NUT
	179 833	3/8 x 1/2" hex-hd cap SCREW
	179 791	1/4 x 1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 319	1/4" lock WASHER
NOTE: To update machines equipped with LH tee to rear frame TUBE, 343 005 R1, RH tee to rear frame TUBE, 343 006 R1, Serial Numbers TD-15BP 6001 to 9622 and TD-15BPS 9371 to 9622 and Regulator to Tee TUBE, 345 512 R1, Serial Numbers TD-15BP 6326 to 9622 and TD-15BPS 9371 to 9622 (Order the following parts - 1 CONNECTOR 606 929 C1 2 ELBOW 606 930 C1 1 TEE 606 933 C1 1 TUBE 607 840 C11 1 TUBE 607 941 C11 1 TUBE 607 842 C11)		
(*) - For "Oil Cooling Brake Piping" with Serial Numbers above those listed on this page refer to "Oil Cooling Brake Piping, Sprocket Drive and Rear Frame Vent Tubes and Connections" in Final Drive Section.		

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STEERING SYSTEM

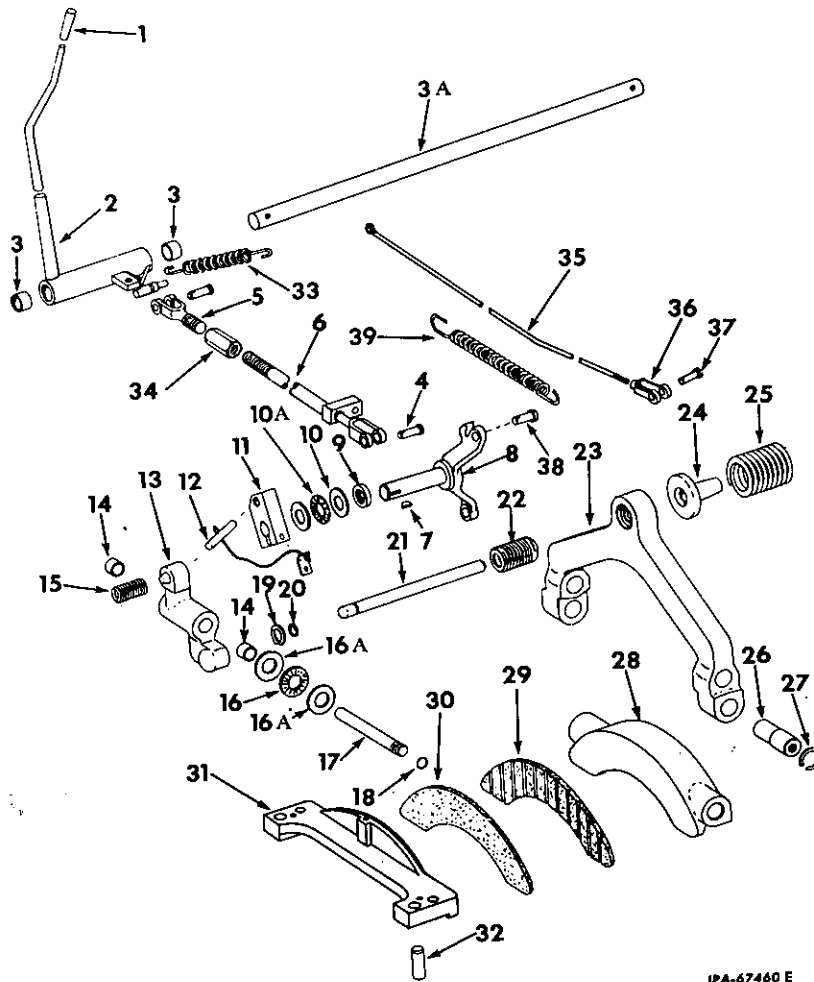
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STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REF. NO.	I. H. PART NUMBER	DESCRIPTION
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STEERING CLUTCHES AND CONTROLS

STEERING CLUTCHES AND CONTROLS - CONTINUED



IPA-67460 E

1	619 404 C1	HANDLE, steering lever (2)	2	345 920 R92	LEVER w/two BUSHING, 604 151 C1, RH steering hand
2	338 039 R91	LEVER w/two BUSHING, 307 434 R1, LH steering hand			TD-15BP 8230 up TD-15BG 8230 up TD-15B(Agr)BGA 8230 to 25000 TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
2	703 495 C91	LEVER w/two BUSHING, 604 151 C1, LH steering hand	2	650 194 C91	LEVER w/two BUSHING, 604 151 C1, RH steering hand
		TD-15BP 8230 up TD-15BG 8230 up TD-15B(Agr)BGA 8230 to 25000 TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up			TD-15B(Custom)BGA 25001 up
	102 637	1/2" NUT	3	307 434 R1	BUSHING, steering hand lever
	179 883	1/2 x 1-1/2" hex-hd cap SCREW			(4) TD-15BP 6001 to 8229 (4) TD-15BG 7260 to 8229 (4) TD-15B(Agr)BGA 7260 to 8229
2	650 197 C91	LEVER w/two BUSHING 604 151 C1, LH steering hand	3	604 151 C1	BUSHING, steering hand lever
		TD-15B(Custom)BGA 25001 up			(4) TD-15BP 8230 up (4) TD-15BG 8230 up (4) TD-15B(Agr)BGA 8230 to 25000 (4) TD-15B(Custom)BGA 25001 up (4) TD-15BPS 9371 up (4) TD-15BGS 21676 up (4) TD-15BGF 21281 up
2	338 040 R91	LEVER w/two BUSHING, 307 434 R1, RH steering hand			
		TD-15BP 6001 to 8229 TD-15BG 7260 to 8229 TD-15B(Agr)BGA 7260 to 8229			

STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING CLUTCHES AND CONTROLS - CONTINUED		
3A	325 193 R1 657 196 R1	SHAFT, steering hand lever PIN, 1/4 x 2" roll
4	103 498 103 386	PIN, rod end (4) 1/8 x 1-1/4" cotter PIN (4)
5	338 019 R11 219 753	ROD, steering clutch pull (short) (2) 3/4NF jam NUT (2)
6	341 719 R91 20 097 R1	ROD, steering clutch pull (long) (2) 3/4NF jam NUT (LH thread) (2)
7	124 552	KEY, bellcrank push rod lever (Woodruff No. 13) (2)
8	334 825 R11	LEVER, outer LH bellcrank push rod
8	334 826 R11	LEVER, outer RH bellcrank push rod
9	324 014 R91	OIL SEAL, bellcrank push rod lever (2)
10	325 155 R1	WASHER, clutch fork bellcrank push rod thrust (2) TD-15BP 6001 to 6973 (Order the following parts - 2 BEARING 368 372 R91 2 BUSHING 345 974 R2 4 RACE 306 970 R1)
10	306 970 R1	RACE, clutch fork bellcrank push rod bearing (4) TD-15BP 6974 up (4) TD-15BG 7260 up (4) TD-15B(Agr)BGA 7260 to 25000 (4) TD-15B(Custom)BGA 25001 up (4) TD-15BPS 9371 up (4) TD-15BGS 21676 up (4) TD-15BGF 21281 up
10A	368 372 R91	BEARING, clutch fork bellcrank push rod needle (2) TD-15BP 6974 up (2) TD-15BG 7260 up (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 9371 up (2) TD-15BGS 21676 up (2) TD-15BGF 21281 up
11	325 182 R1	LEVER, LH bellcrank push rod
11	325 183 R1 179 889 103 323	LEVER, RH bellcrank push rod 1/2 x 2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
12	325 576 R93	ROD and ANCHOR, bellcrank push (2)
13	325 178 R11	BELLCRANK w/two BUSHING, 325 180 R1, LH clutch fork push rod TD-15BP 6001 to 21236 TD-15BG 7260 to 21219 TD-15B(Agr)BGA 7260 to 21219 TD-15BPS 9371 to 21236 (Order the following parts - 1 BELLCRANK 612 727 C11 1 BEARING 368 372 R91 2 RACE 306 970 R1)
13	325 179 R11	BELLCRANK w/two BUSHING, 325 180 R1, RH clutch fork push rod TD-15BP 6001 to 21236 TD-15BG 7260 to 21219 TD-15B(Agr)BGA 7260 to 21219 TD-15BPS 9371 to 21236 (Order the following parts - 1 BELLCRANK 612 728 C11 1 BEARING 368 372 R91 2 RACE 306 970 R1)

STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING CLUTCHES AND CONTROLS - CONTINUED		
13	612 727 C11	BELLCRANK w/two BUSHING, 325 180 R1, LH clutch fork push rod TD-15BP 21237 up TD-15BG 21220 up TD-15B(Agr)BGA 21220 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 21237 up TD-15BGS 21676 up TD-15BGF 21281 up
13	612 728 C11	BELLCRANK w/two BUSHING, 325 180 R1, RH clutch fork push rod TD-15BP 21237 up TD-15BG 21220 up TD-15B(Agr)BGA 21220 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 21237 up TD-15BGS 21676 up TD-15BGF 21281 up
14	325 180 R1	BUSHING, bellcrank clutch fork push rod (4)
15	325 575 R1	SPRING, steering clutch bellcrank return
16	325 155 R1	WASHER, clutch fork push rod bellcrank thrust (2) TD-15BP 6001 to 21236 (2) TD-15BG 7260 to 21219 (2) TD-15B(Agr)BGA 7260 to 21219 (2) TD-15BPS 9371 to 21236 (Order the following parts - 2 BEARING 368 372 R91 4 RACE 306 970 R1)
16	368 372 R91	BEARING, clutch fork bellcrank push rod needle (2) TD-15BP 21237 up (2) TD-15BG 21220 up (2) TD-15B(Agr)BGA 21220 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 21237 up (2) TD-15BGS 21676 up (2) TD-15BGF 21281 up
16A	306 970 R1	RACE, clutch fork bellcrank push rod bearing (4) TD-15BP 21237 up (4) TD-15BG 21220 up (4) TD-15B(Agr)BGA 21220 to 25000 (4) TD-15B(Custom)BGA 25001 up (4) TD-15BPS 21237 up (4) TD-15BGS 21676 up (4) TD-15BGF 21281 up
17	325 181 R1 179 838 103 321 423 181 R1	SHAFT, clutch fork push rod bellcrank (2) 3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2) WASHER, bellcrank shaft retainer (2)
18	350 684 R1	"O" RING, bellcrank shaft (3/4 x 1 x 1/8") (2)
19	321 985 R1	RING, clutch fork push rod bellcrank snap (2)
20	154 665 R1	RING, clutch fork push rod snap (2)
21	325 177 R2	ROD, clutch fork push (2)
22	345 667 R2	SCREW, clutch shoe adjuster (2)
23	345 668 R2	FORK, steering clutch (2)
24	325 175 R2	RETAINER, clutch pressure spring (2)
25	338 132 R4	SPRING, steering clutch pressure (2)
26	325 173 R3	PIN, clutch fork (8)
27	324 000 R1	RING, clutch fork pin snap (4)

STEERING SYSTEM

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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STEERING CLUTCHES AND CONTROLS - CONTINUED

28	325 171 R12	SHOE w/LINING, clutch (2)
29	331 911 R21	LINING, clutch (part of PACKAGE, 331 910 R91) (2)
30	331 911 R21	LINING, clutch backup shoe (part of PACKAGE, 331 910 R91) (2)
31	343 074 R12	SHOE w/two DOWEL, 250 868 R1 and LINING, LH clutch back-up
31	343 075 R12	SHOE w/two DOWEL, 250 868 R1 and LINING, RH clutch back up
	271 563	5/8 x 2-1/4" hex-hd cap SCREW (4)
32	250 868 R1	DOWEL, clutch back-up shoe (4)
33	345 599 R1	SPRING, hand lever return (2) TD-15BP 6001 to 23040. (2) TD-15BG 7260 to 23040 (2) TD-15B(Agr)BGA 7260 to 23040 (2) TD-15BPS 9371 to 23040 (2) TD-15BGS 21676 to 23040 (2) TD-15BGF 21281 to 23040
33	620 300 C1	SPRING, hand lever return (2) TD-15BP 23041 up (2) TD-15BG 23041 up (2) TD-15B(Agr)BGA 23041 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 23041 up (2) TD-15BGS 23041 up (2) TD-15BGF 23401 up
34	338 017 R1	TURNBUCKLE, steering clutch pull rod (2)
35	334 829 R11	ROD, steering booster valve operating (2)
	103 026	3/8NF NUT (2)
	103 373	3/32 x 3/4" cotter PIN (2)
36	104 038	CLEVIS, booster valve operating rod (2)
37	114 785	PIN, 3/8" rod end (2)
	103 373	3/32 x 3/4" cotter PIN (2)
38	33 557 V	PIN, front booster pivot (2)
	103 385	1/8 x 1" cotter PIN (2)
39	331 988 R1	SPRING, booster piston return (2)
	345 974 R2	BUSHING, push rod lever, shaft (also listed and illustrated with "Rear Frame and Related Parts") (2)
	331 910 R91	PACKAGE, brake shoe lining field service (consists of four LINING, 331 911 R21, sixteen RIVET, 20 077 R1 and thirty-two RIVET, 19 685 R1) (X)
	657 196 R1	PIN, 1/4 x 2" Esna roll (2)
	20 077 R1	RIVET, brake shoe (3/16 x 1" tubular) (part of PACKAGE, 331 910 R91) (16)
	19 685 R1	RIVET, brake shoe (part of PACKAGE, 331 910 R91) (32)
	138 294	SCREW, pivot brake adjuster (1/2 x 2" hex-soc-set) (2)
	114 505	1/2" jam NUT (2)

X - As Required.

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STEERING SYSTEM

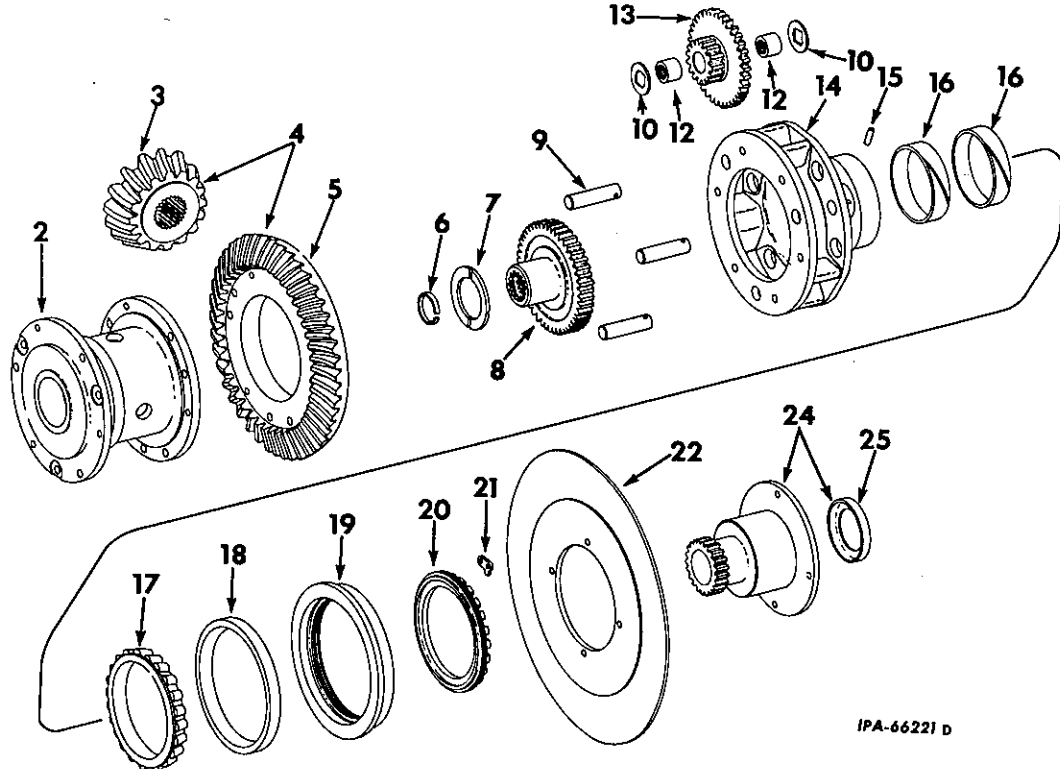
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STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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REF. NO.	I. H. PART NUMBER	DESCRIPTION
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STEERING PLANETARY DRIVE

STEERING PLANETARY DRIVE - CONTINUED



IPA-66221 D

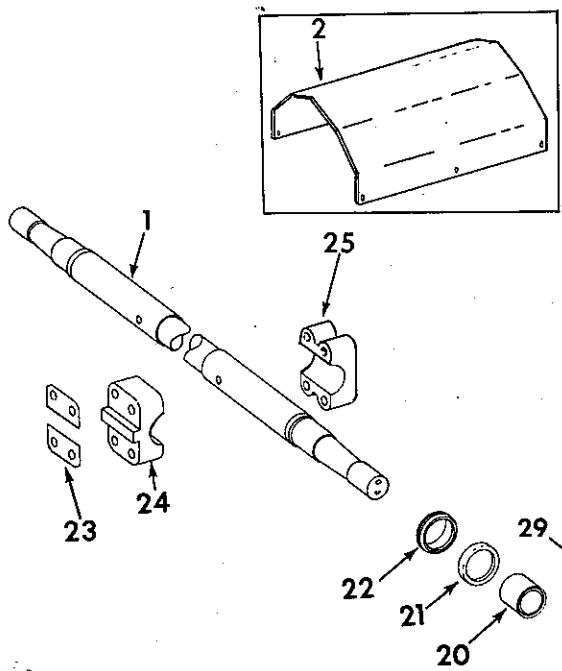
2	624 456 C1	CARRIER bevel gear
	330 912 R1	BOLT, bevel gear carrier (3)
	325 166 R1	BOLT, planet carrier dowel (3)
	325 168 R1	BOLT, bevel gear dowel (6)
	454 522 R1	NUT, 1/2" Esna lock (12)
3	325 055 R1	PINION, drive bevel (*)
4	331 786 R91	GEAR, 334 226 R1 and PINION, 325 055 R1, drive bevel (matched set) (*)
5	334 226 R1	GEAR, drive bevel (*)
6	325 151 R1	RING, sprocket drive pinion shaft gear snap (2)
7	321 975 R1	WASHER, bevel gear carrier thrust (2)
8	624 451 C1	GEAR, sprocket drive pinion shaft (2)
9	325 153 R1	SHAFT, gear cluster (6)
10	612 733 C2	WASHER, planet gear cluster thrust (will work for 325 154 R1 and 325 155 R1) (12)
12	321 981 R91	BEARING, planet gear cluster (12)
13	325 152 R1	CLUSTER, planet gear (6)
14	334 228 R21	CARRIER w/two BUSHING, 325 309 R91 planet gear (2) TD-15BP 6001 to 25779 (2) TD-15BG 7260 to 25779 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 25779 (2) TD-15BGS 21676 to 25779 (2) TD-15BGF 21281 to 25779
14	624 455 C91	CARRIER w/two BUSHING, 325 309 R91 planet gear (2) TD-15BP 25780 up (2) TD-15BG 25780 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 25780 up (2) TD-15BGS 25780 up (2) TD-15BGF 25780 up
15	617 937 R1	PIN, planet gear cluster shaft (6)

16	325 309 R91	BUSHING, planet gear carrier (4)
17		CONE, bevel gear carrier roller bearing (Order BEARING, 338 260 R91) (2)
18		CUP, bevel gear carrier roller bearing (Order BEARING, 338 260 R91) (2)
19	325 156 R1	CAGE, bevel gear carrier bearing (2) TD-15BP 6001 to 25779 (2) TD-15BG 7260 to 25779 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 25779 (2) TD-15BGS 21676 to 25779 (2) TD-15BGF 21281 to 25779
19	624 452 C1	CAGE, bevel gear carrier bearing (2) TD-15BP 25780 up (2) TD-15BG 25780 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 25780 up (2) TD-15BGS 25780 up (2) TD-15BGF 25780 up
20	624 453 C1	NUT, bevel gear carrier adjuster (2)
21	325 158 R1 179 792 103 319	LOCK, bevel gear carrier adjuster nut (2) 1/4 x 9/16" hex-hd cap SCREW (4) 1/4" lock WASHER (4)
22	325 161 R1 325 162 R1 17 234 R1	DISC, brake (2) BOLT, brake disc dowel (8) NUT, brake disc dowel bolt (8)
24	700 293 C91	HUB w/RING, 325 163 R1, sun gear and clutch disc (2)
25	325 163 R1	RING, sun gear and clutch hub oil collector (2)
	338 260 R91	BEARING w/CUP and CONE, bevel gear carrier (2)

§ - Not Furnished Separately
* - Also Listed With "Bevel Pinion Shaft, Spline Shaft and Related Parts."

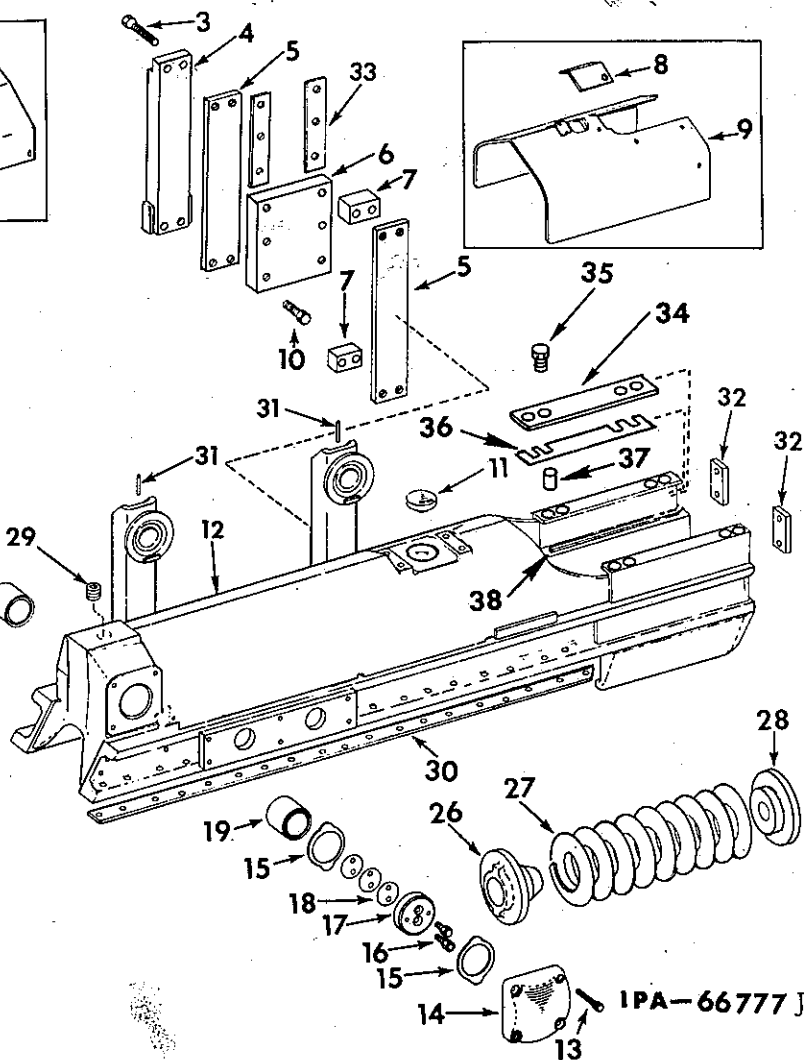
TRACK DRIVE

TRACK FRAME, SPRING, PIVOT SHAFT, PIVOT SHAFT GUARD AND RELATED PARTS
(Not for use with Backfiller or Sideboom Crawler Tractors)



TRACK DRIVE

TRACK FRAME, SPRING, PIVOT SHAFT, PIVOT SHAFT GUARD AND RELATED PARTS - CONTINUED
(Not for use with Backfiller or Sideboom Crawler Tractors)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 169 R4	SHAFT, track frame pivot
2	330 691 R11	COVER, track frame rear (2) TD-15BP 6001 to 20311 (2) TD-15BG 7260 to 20311 (2) TD-15B(Agr)BGA 7260 to 20311
	179 881	1/2 x 1" hex-hd cap SCREW (12)
	103 323	1/2" lock WASHER (12)
	103 343	17/32 x 1-1/16 x 13 ga WASHER (12)
3	330 560 R1	BOLT, guide retainer (7/8NF x 5") (8) TD-15BP 6001 to 22103 (8) TD-15BG 7260 to 22103 (8) TD-15B(Agr)BGA 7260 to 22107
3	271 688	BOLT, guide retainer (7/8NF x 4-1/2") (8) TD-15BP 22104 up (8) TD-15BG 22104 up (8) TD-15B(Agr)BGA 22108 to 25000 (8) TD-15B(Custom)BGA 25001 up

REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	330 695 R11	RETAINER, track frame guide (order RETAINER, 612 508 C11 and four BOLT, 271 688) (2) TD-15BP 6001 to 22103 (2) TD-15BG 7260 to 22103 (2) TD-15B(Agr)BGA 7260 to 22107
4	612 508 C11	RETAINER, track frame guide (2) TD-15BP 22104 up (2) TD-15BG 22104 up (2) TD-15B(Agr)BGA 22107 to 25000 (2) TD-15B(Custom)BGA 25001 up
5	330 599 R1	PLATE, track frame guide wear (4)
6	334 182 R1	PLATE, track frame guide (order PLATE, 612 509 C1 and six BOLTS, 271 637) (2) TD-15BP 6001 to 22103 (2) TD-15BG 7260 to 22103 (2) TD-15B(Agr)BGA 7260 to 22107

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRACK FRAME, SPRING, PIVOT SHAFT, PIVOT SHAFT GUARD AND RELATED PARTS - CONTINUED (Not for use with Backfiller or Sideboom Crawler Tractors)		
6	612 509 C1	PLATE, trash frame guide (2) TD-15BP 22104 up (2) TD-15BG 22104 up (2) TD-15B(Agr)BGA 22108 to 25000 (2) TD-15B(Custom)BGA 25001 up
7	330 687 R1	SPACER, track frame guide (4) TD-15BP 6001 to 22103 (4) TD-15BG 7260 to 22103 (4) TD-15B(Agr)BGA 7260 to 22107
7	616 177 C1	SPACER, track frame guide (4) TD-15BP 22104 up (4) TD-15BG 22104 up (4) TD-15B(Agr)BGA 22108 to 25000 (4) TD-15B(Custom)BGA 25001 up
7	330 687 R1	SPACER, track frame guide (4)
8	334 651 R1	COVER, track frame access hole (2) TD-15BP 6001 to 20311 (2) TD-15BG 7260 to 20311 (2) TD-15B(Agr)BGA 7260 to 20311
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
9		COVER, track frame front (order PACKAGE, 345 889 R91) (2) 1/2 x 1" hex hd. CAPSCREW (12) 1/2" lock WASHER (12) 17/32 x 1-1/16" x 13 ga. WASHER (12)
	179 881	
	103 323	
	103 343	
10	330-561 R1	BOLT, track frame guide plate (12) TD-15BP 6001 to 22103 (12) TD-15BG 7260 to 22103 (12) TD-15B(Agr)BGA 7260 to 22107
10	271 638	BOLT, track frame guide 3/4NF x 3" (12) TD-15BP 22104 up (12) TD-15BG 22104 up (12) TD-15B(Agr)BGA 22108 to 25000 (12) TD-15B(Custom)BGA 25001 up
11	8 493 DA	PAD, equalizer bar (2)
12	330 596 R93	FRAME w/BUSHING, 330 590 R2 and BUSHING, 330 591 R2 L.H. Track (order PACKAGE, 609 622 C92) TD-15BP 6001 to 20311 TD-15BG 7260 to 20311 TD-15B(Agr)BGA 7260 to 20311
12	609 577 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 L.H. Track (See NOTE A) TD-15BP 20312 to 22560 TD-15BG 20312 to 22560 TD-15B(Agr)BGA 20312 to 22560 (Order the following parts - 2 BAR 620 121 C1 4 BOLT 525 841 R1 1 FRAME 609 577 C92 4 PIN 19 838 R1 6 SHIM 620 123 C1)
12	609 577 C92	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 L.H. Track (See NOTE A) TD-15BP 22561 to 25000 TD-15BG 22561 to 25000 TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRACK FRAME, SPRING, PIVOT SHAFT, PIVOT SHAFT GUARD AND RELATED PARTS - CONTINUED (Not for use with Backfiller or Sideboom Crawler Tractors)		
12	655 036 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, L.H. Track (See NOTE B) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000
12	620 182 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, L.H. Track (See NOTE A) TD-15BP 25001 up TD-15BG 25001 up
12	624 852 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, L.H. Track (See NOTE B) TD-15BP 25001 up TD-15BG 25001 up
12	330 597 R93	FRAME w/BUSHING, 330 590 R2 and BUSHING, 330 591 R2, R.H. Track (Order PACKAGE, 609 623 C92) TD-15BP 6001 to 20311 TD-15BG 7260 to 20311 TD-15B(Agr)BGA 7260 to 20311
12	609 578 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, R.H. Track (See NOTE A) TD-15BP 20312 to 22560 TD-15BG 20312 to 22560 TD-15B(Agr)BGA 20312 to 22560 (Order the following parts - 2 BAR 620 121 C1 4 BOLT 525 841 R1 1 FRAME 609 578 C92 4 PIN 19 838 R1 6 SHIM 620 123 C1)
12	609 578 C92	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 R.H. Track (See NOTE A) TD-15BP 22561 to 25000 TD-15BG 22561 to 25000 TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up
12	655 037 C91	FRAME w/BUSHING, 607 931 C1 and 609 579 C1, R.H. Track (See NOTE B) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000
12	620 183 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, R.H. Track (See NOTE A) TD-15BP 25001 up TD-15BG 25001 up
12	624 853 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, R.H. Track (See NOTE B) TD-15BP 25001 up TD-15BG 25001 up
13	330 559 R1	BOLT, pivot shaft cover (8)
14	330 689 R1	COVER, pivot shaft (2)
15	330 690 R1	PLATE, pivot shaft wear (4)
16	336 210 R1	BOLT, track frame thrust plate (4)
17	334 173 R1	PLATE, track frame thrust (2)
18	334 174 R1	SHIM, track frame pivot shaft (.007") (12)

NOTE A: Not For Machines Equipped With Severe Service Suspension ATTACHMENT.

NOTE B: For Machines Equipped With Severe Service Suspension ATTACHMENT.

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT GUARD AND RELATED PARTS - CONTINUED
(Not for use with Backfiller or Sideboom Crawler Tractors)

18	334 175 R1	SHIM, track frame pivot shaft (.003") (4)
18	334 176 R1	SHIM, track frame pivot shaft (.002") (4)
18	331 931 R1	SHIM, track frame pivot shaft (.060") (2)
18	338 006 R1	SHIM, track frame pivot shaft (.105") (X)
19	609 579 C1	BUSHING, pivot shaft outer (2) (will work for BUSHING, 330 591 R2)
20	607 931 C1	BUSHING, pivot shaft inner (2) (will work for BUSHING, 330 590 R2)
21		SLEEVE, oil seal (order 341 986 R91) (2)
22		SEAL, oil (order 341 986 R91) (2)
23	334 838 R1	SHIM, pivot shaft spacer (.060") (X)
23	334 839 R1	SHIM, pivot shaft spacer (.054") (X)
23	334 840 R1	SHIM, pivot shaft spacer (.048") (X)
23	334 841 R1	SHIM, pivot shaft spacer (.042") (X)
24		SPACER, pivot shaft (order 343 028 R91) (2)
25		CAP, pivot shaft (outer) (order 343 028 R91) (2)
	18 274 R1	1 x 7-1/2" hex-hd cap SCREW (8)
26	337 647 R1	SEAT, track spring rear (2)
27	325 223 R1	SPRING, track (2)
28	337 646 R1	SEAT, track spring front (2)
29	270 835 R1	PLUG, pivot shaft bracket oil filler (tin plated) (2) TD-15BP 6001 to 20311 (2) TD-15BG 7260 to 20311 (2) TD-15B(Agr)BGA 7260 to 20311
30	345 611 R1	SPACER, track roller mounting (4) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up
30	620 192 C1	SPACER, track roller mounting (4) TD-15BP 25001 up TD-15BG 25001 up
31	141 239	PIN, track idler bracket (2) TD-15BP 20312 up (2) TD-15BG 20312 up (2) TD-15B(Agr)BGA 20312 to 25000 (2) TD-15B(Custom)BGA 25001 up
32	612 539 C1	STOP, front idler (4) TD-15BP 20312 up (4) TD-15BG 20312 up (4) TD-15B(Agr)BGA 20312 to 25000 (4) TD-15B(Custom)BGA 25001 up
	271 610	3/4 x 1-7/8" hex-hd cap SCREW (8)
33	604 012 C1	SHIM, track frame guide plate (light .030) (X)
33	604 013 C1	SHIM, track frame guide plate (medium .060) (X)
33	604 014 C1	SHIM, track frame guide plate (heavy .120) (X)
34	620 121 C1	BAR, Front Idler Guide and Wear (upper) (2) TD-15BP 22561 up TD-15BG 22561 up TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT GUARD AND RELATED PARTS - CONTINUED
(Not for use with Backfiller or Sideboom Crawler Tractors)

35	525 841 R1	BOLT, 5/8 x 1-1/2" (4) TD-15BP 22561 up TD-15BG 22561 up TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up
36	620 123 C1	SHIM, Front Idler Guide and Wear Bar (6) TD-15BP 22561 up TD-15BG 22561 up TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up
37	19 838 R1	PIN, Front Idler Guide and Wear Bar (4) TD-15BP 22561 up TD-15BG 22561 up TD-15B(Agr)BGA 22561 to 25000 TD-15B(Custom)BGA 25001 up
38	703 599 C91	PACKAGE, track frame front idler guide and wear bar field service (Consists of Idler Bar Guide and Wear, IZG-8809 Guide and Wear Bar installation and IZG-7408 weld instructions) For Upper Wear Bar for Frames 609 577 C91, 609 578 C91 TD-15BP 20312 to 22560 TD-15BG 20312 to 22560 TD-15B(Agr)BGA 20312 to 22560 For Lower Wear Bar for Frames 609 577 C91, 609 578 C91, 609 577 C92 and 609 578 C92, 620 182 C91, 655 036 C91, 655 037 C91 and 620 183 C91 TD-15BP 20312 up TD-15BG 20312 up TD-15B(Agr)BGA 20312 to 25000 TD-15B(Custom)BGA 25001 up
	343 028 R91	CAP and SPACER, pivot shaft (2)
	341 986 R91	OIL SEAL w/SLEEVE (2)
	345 889 R91	PACKAGE, track frame front cover field service (Consists of COVER, PLATE and modification DIAGRAM, IZG-6707) (X)
	609 622 C92	PACKAGE, LH track frame field service TD-15BP 6001 to 20311 TD-15BG 7260 to 20311 TD-15B(Agr)BGA 7260 to 20311 (Consists of - 2 BAR 620 121 C1 1 BODY 609 615 C1 4 BOLT 525 841 R1 2 CONE ST-2007 A 2 CUP 13 363 D 1 DRAWING, equalizer bar rework IZG-6791 1 DRAWING, track spring tool IZG-7709 1 FORK 703 322 C91 1 FRAME 609 577 C92 1 IDLER 325 236 R21 2 IDLER 609 600 C91 1 KEY 117 985 2 NUT 18 583 R1 2 "O" RING 293 726 R1 2 PACKAGE 604 186 C91 § 1 PAD, equalizer bar wear -1 PIN 19 838 R1 2 RETAINER 607 907 C1 2 RETAINER 609 607 C1 12 1/2 x 1-1/4" hex-hd cap SCREW 179 883 12 1/2" lock WASHER 103 323 2 RING 606 936 C1 1 ROD 337 650 R1 1 SCRAPER 609 617 C1

§ - Not Furnished Separately.
X - As Required.

TRACK DRIVE

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT GUARD
 AND RELATED PARTS - CONTINUED
 (Not for use with Backfiller or Sideboom Crawler Tractors)

609 622 C92 PACKAGE, LH track field service - Continued
 TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311

- (Consists of - Continued
- 1 SCRAPER 609 618 C1
 - 2 5/8 x 1-1/2" hex-hd cap SCREW 271 558
 - 1 SCREW 607 920 C2
 - 1 SEAL 609 616 C1
 - 1 SHAFT 609 606 C1
 - 6 SHIM 620 123 C1
 - X SHIM 609 604 C1
 - 4 SHIM 609 605 C1
 - 2 STOP 612 539 C1
 - 4 3/4 x 1-7/8" hex-hd cap SCREW 271 610
 - 1 VALVE 700 171 C91
 - 2 WASHER 331 994 R1)

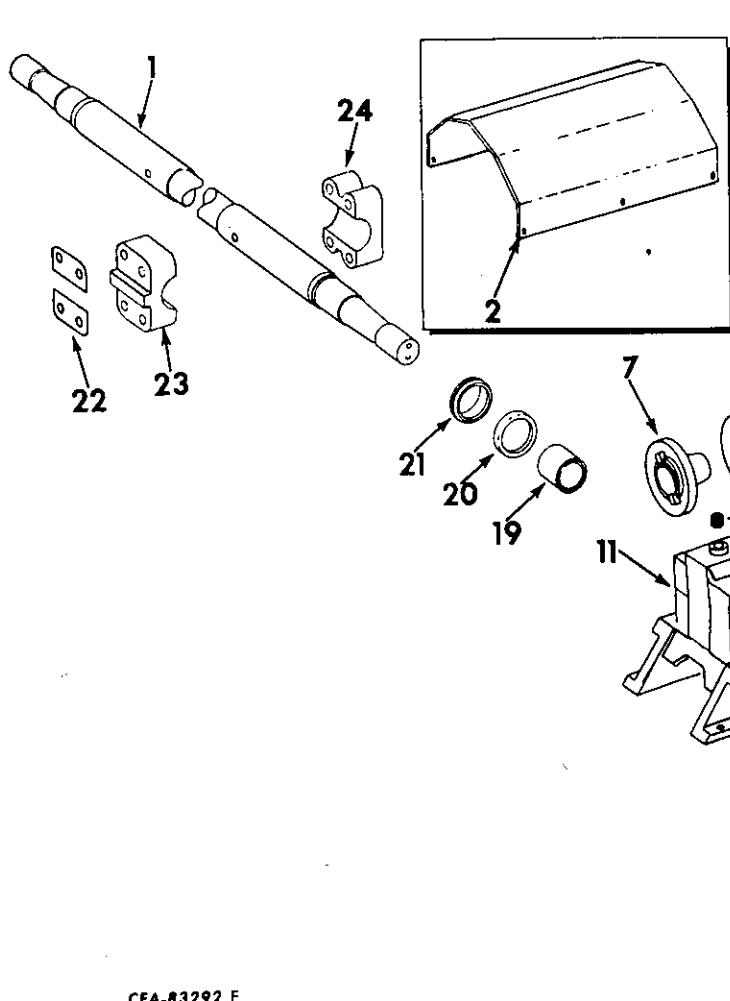
609 623 C92 PACKAGE, RH track frame field service
 TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311

- (Consists of -
- 2 BAR 620 121 C1
 - 1 BODY 609 615 C1
 - 4 BOLT 525 841 R1
 - 2 CONE ST-2007 A
 - 2 CUP 13 363 D
 - 1 DRAWING, equalizer bar rework IZG-6791
 - 1 DRAWING, track spring tool IZG-7709
 - 1 FORK 703 322 C91
 - 1 FRAME 609 578 C92
 - 1 IDLER 325 236 R21
 - 2 IDLER 609 600 C91
 - 1 KEY 117 985
 - 2 NUT 18 583 R1
 - 2 "O" RING 293 726 R1
 - 2 PACKAGE 604 186 C91
 - § 1 PAD, equalizer bar wear
 - 1 PIN 19 838 R1
 - 2 RETAINER 607 907 C1
 - 12 1/2 x 1-1/4" hex-hd cap SCREW 179 883
 - 12 1/2" lock WASHER 103 323
 - 2 RING 606 936 C1
 - 1 ROD 337 650 R1
 - 1 SCRAPER 609 617 C1
 - 1 SCRAPER 609 618 C1
 - 2 5/8 x 1-1/2" hex-hd cap SCREW 271 558
 - 1 SCREW 607 920 C2
 - 1 SEAL 609 616 C1
 - 1 SHAFT 609 606 C1
 - 6 SHIM 620 123 C1
 - X SHIM 609 604 C1
 - 4 SHIM 609 605 C1
 - 2 STOP 612 539 C1
 - 4 3/4 x 1-7/8" hex-hd cap SCREW 271 610
 - 1 VALVE 700 171 C91
 - 2 WASHER 331 994 R1)

X - Required.
 § - Not Furnished Separately.

TRACK DRIVE

TRACK FRAME, SPRING, PIVOT SHAFT, RIGID CROSS BAR AND RELATED PARTS
(For Backfiller and Sideboom Crawler Tractors)

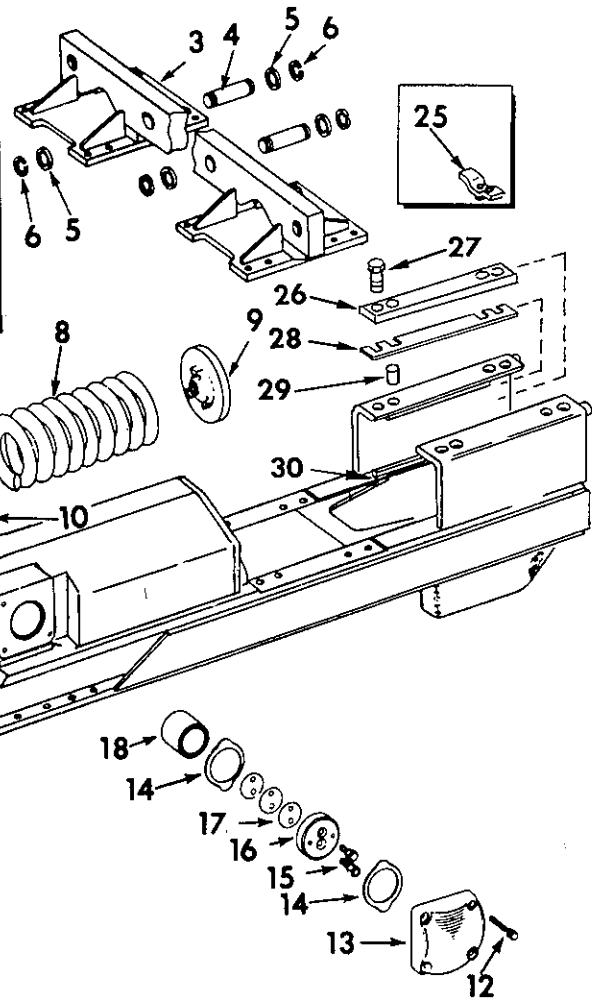


CEA-83292 F

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 169 R4	SHAFT, track frame pivot
2	330 691 R11	COVER, track frame rear (2) TD-15BPS 9371 to 21675
	179 881	1/2 x 1" hex-hd cap SCREW (12)
	103 323	1/2" lock WASHER (12)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (12)
3	607 650 C11	BAR, rigid cross
	271 654	7/8 x 1-3/4" hex-hd cap SCREW (16)
4	337 640 R2	PIN, rigid cross bar (2)
5	338 163 R2	RING, rigid cross bar pin wear (4)
6	338 161 R1	RING, rigid cross bar pin retaining (4)
7	337 647 R1	SEAT, track spring rear (2)

TRACK DRIVE

TRACK FRAME, SPRING, PIVOT SHAFT, RIGID CROSS BAR AND RELATED PARTS - CONTINUED
(For Backfiller and Sideboom Crawler Tractors)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	325 223 R1	SPRING, track (2)
9	337 646 R1	SEAT, track spring front (2)
10	270 835 R1	PLUG, pivot shaft bracket oil filler (tin plated) (2)
11	607 668 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 LH track frame field service
		TD-15BPS 9371 to 21675
		(Order the following parts -
	1	BODY 609 615 C1
	2	CONE ST 2 007 A
	2	CUP 12 363 D
	1	DRAWING, track spring tool IZG-7709
	1	FORK 703 321 C1
	1	FRAME 611 390 C92

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT, RIGID CROSS BAR AND RELATED PARTS - CONTINUED
(For Backfiller and Sideboom Crawler Tractors)

11	607 668 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, LH track field service TD-15BPS 9371 to 21675 (Order the following parts - Continued)
		1 BAR 620 121 C1
		4 BOLT 625 841 C1
		12 BOLT 625 386 C1
		4 BOLT 525 841 R1
		1 CAP 624 465 C1
		1 DRAWING, front idler guide and wear bar assy IZG-8913
		1 IDLER 325 236 R21
		1 IDLER 609 600 C91
		1 KEY 117 985
		1 NUT 18 583 R1
		2 "O" RING 293 726 R1
		2 PACKAGE 604 186 C91
		1 PIN 141 239
		4 PIN 19 838 R1
		2 PLUG 270 835 R1
		2 RETAINER 620 120 C91
		2 RETAINER 620 119 C91
		2 RING 606 936 C1
		1 ROD 611 394 C1
		1 SCRAPER 609 617 C1
		1 SCRAPER 609 618 C1
		2 5/8 x 1-1/2" hex-hd cap SCREW 271 558
		4 3/4 x 3-3/4" hex-hd cap SCREW 271 618
		1 SEAL 609 616 C1
		1 SHAFT 609 606 C2
		X SHIM 609 604 C1
		4 SHIM 609 605 C1
		6 SHIM 620 123 C1
		2 STOP 612 539 C1
		4 3/4 x 1-7/8" hex-hd cap SCREW 271 610
		1 VALVE 700 171 C91
		1 WASHER 331 994 R1)
11	607 669 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, RH track frame field service TD-15BPS 9371 to 21675 (Order the following parts -
		1 BAR 620 121 C1
		1 BODY 609 615 C1
		4 BOLT 625 841 C1
		12 BOLT 625 386 C1
		4 BOLT 525 841 R1
		1 CAP 624 465 C1
		2 CONE ST 2 007 A
		2 CUP 13 363 D
		1 DRAWING, track spring tool IZG-7709
		1 DRAWING front idler guide and wear bar assy IZG-8913
		1 FORK 703 321 C1
		1 FRAME 611 391 C92
		1 IDLER 325 236 R21
		1 IDLER 609 600 C91
		1 KEY 117 985
		1 NUT 18 583 R1
		2 "O" RING 293 726 R1
		2 PACKAGE 604 186 C91
		1 PIN 141 239
		4 PIN 19 838 R1
		2 PLUG 270 835 R1
		2 RETAINER 620 120 C91
		2 RETAINER 620 119 C91
		2 RING 606 936 R1
		1 ROD 611 394 C1
		1 SCRAPER 609 617 C1
		1 SCRAPER 609 618 C1
		2 5/8 x 1-1/2" hex-hd cap SCREW 271 558

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT, RIGID CROSS BAR AND RELATED PARTS - CONTINUED
(For Backfiller and Sideboom Crawler Tractors)

11	607 669 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1, RH track frame field service TD-15BPS 9371 to 21675 (Order the following parts - Continued)
		4 3/4 x 3-3/4" hex-hd cap SCREW
		1 SEAL 609 616 C1
		1 SHAFT 609 606 C2
		X SHIM 609 604 C1
		4 SHIM 609 605 C1
		6 SHIM 620 123 C1
		2 STOP 612 539 C1
		4 3/4 x 1-7/8" hex-hd cap SCREW 271 610
		1 VALVE 700 171 C91
		1 WASHER 331 994 R1)
11	611 390 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 L.H. Track TD-15BPS 21676 to 22560 TD-15BGF 21281 to 22560 TD-15BGS 21676 to 22560 (Order the following parts -
		2 BAR 620 121 C1
		4 BOLT 525 841 R1
		1 FRAME 611 390 C92
		4 PIN 19 838 R1
		6 SHIM 620 123 C1)
11	611 390 C92	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 L.H. Track TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
11	611 391 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 R.H. Track TD-15BPS 21676 to 22560 TD-15BGF 21281 to 22560 TD-15BGS 21676 to 22560 (Order the following parts -
		2 BAR 620 121 C1
		4 BOLT 525 841 R1
		1 FRAME 611 391 C92
		4 PIN 19 838 R1
		6 SHIM 620 123 C1)
11	611 391 C92	FRAME w/BUSHING, 607 931 C1 and BUSHING, 609 579 C1 R.H. Track TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
12	330 559 R1	BOLT, pivot shaft cover (8)
13	330 689 R1	COVER, pivot shaft (2)
14	330 690 R1	PLATE, pivot shaft wear (4)
15	336 210 R1	BOLT, track frame thrust plate (4)
16	334 173 R1	PLATE, track frame thrust (2)
17	334 174 R1	SHIM, track frame pivot shaft (.007") (12)
17	334 175 R1	SHIM, track frame pivot shaft (.003") (4)
17	334 176 R1	SHIM, track frame pivot shaft (.002") (4)
17	331 931 R1	SHIM, track frame pivot shaft (.060") (2)
17	338 006 R1	SHIM, track frame pivot shaft (.105") (X)
18	609 579 C1	BUSHING, pivot shaft outer (2)
19	607 931 C1	BUSHING, pivot shaft inner (2)

X - As Required.

TRACK DRIVE

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT, RIGID CROSS BAR AND RELATED PARTS - CONTINUED
(For Backfiller and Sideboom Crawler Tractors)

20		SLEEVE, oil seal (order 341 986 R91) (2)
21		OIL SEAL (order 341 986 R91) (2)
22	334 838 R1	SHIM, pivot shaft spacer (.060") (X)
22	334 839 R1	SHIM, pivot shaft spacer (.054") (X)
22	334 840 R1	SHIM, pivot shaft spacer (.048") (X)
22	334 841 R1	SHIM, pivot shaft spacer (.042") (X)
23		SPACER, pivot shaft (order 343 028 R91) (2)
24		CAP, pivot shaft (outer) (order 343 028 R91) (2)
	18 274 R1	1 x 7-1/2" hex-hd cap SCREW (8)
25	334 426 R11	COVER, crossplate vent (used with hydraulic track adjuster CYLINDER, 604 308 C91) (2) TD-15BPS 9371 to 21675
	179 863	7/16 x 1-5/8" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
26	620 121 C1	BAR, Front Idler Guide and Wear Bar (upper) (2) TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
27	525 841 R1	BOLT, 5/8 x 1-1/2" (4) TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
28	620 123 C1	SHIM, Front Idler Guide and Wear Bar (6) TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
29	19 838 R1	PIN, Front Idler Guide and Wear Bar (4) TD-15BPS 22561 up TD-15BGF 22561 up TD-15BGS 22561 up
30	703 599 C91	PACKAGE, track frame front idler guide and wear bar field service. Consists of, Idler Bar Guide and Wear, IZG-8809 Guide and Wear Bar installation and IZG-7408 weld instructions. For Upper Wear Bar for Frames 611 390 C91 and 611 391 C91 TD-15BPS 21676 to 22560 TD-15BGF 21676 to 22560 TD-15BGS 21676 to 22560 For Lower Wear Bar for Frames 607 669 C91, 607 668 C91, 611 391 C92, 611 390 C92, 611 391 C91 and 611 391 C92 TD-15BPS 21676 up TD-15BGF 21676 up TD-15BGS 21676 up
	343 028 R91	CAP and SPACER, pivot shaft (2)
	341 986 R91	OIL SEAL w/SLEEVE (2)
	141 239	PIN, track idler bracket (2) TD-15BPS 21676 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up

X - As Required.

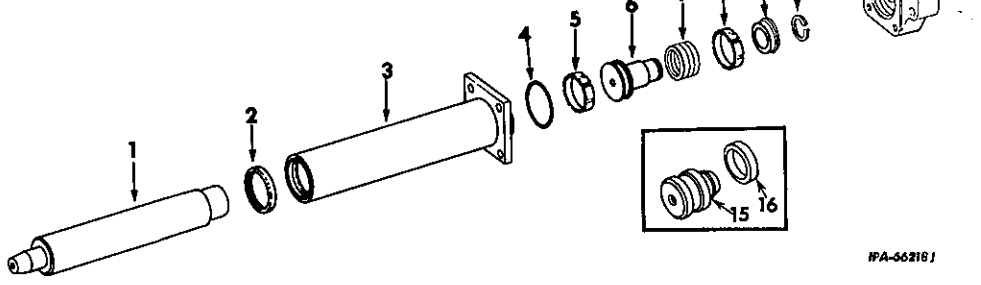
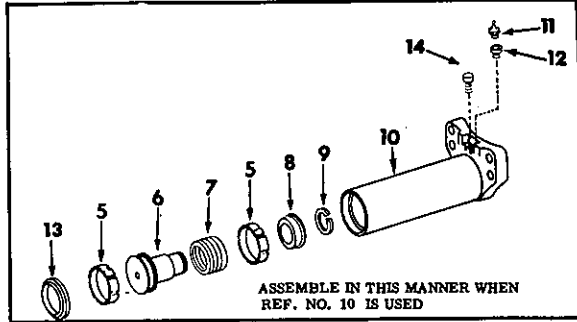
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TRACK DRIVE

HYDRAULIC TRACK ADJUSTING CYLINDER

TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311
 TD-15BPS 9371 to 22000
 TD-15BCF 21281 to 22000
 TD-15BGS 21676 to 22000



IPA-662161

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	330 693 R2	ROD, hydraulic track adjusting (2)
2	325 252 R91	SEAL, hydraulic track adjusting dirt (2)
3	330 694 R11	CYLINDER, hydraulic track adjuster (2) TD-15BP 6001 to 7972 (2) TD-15BG 7260 to 7944 (2) TD-15B(Agr)BGA 7260 to 7944 (Order the following parts - 1 CYLINDER 700 170 C1 1 FITTING 109 461 1 VALVE 319 628 R91 1 VALVE 700 171 C91)
	264 239 R1	BOLT, mounting (8)
	103 323	1/2" lock WASHER (8)
3	604 308 C91	CYLINDER, hydraulic track adjuster (2) TD-15B(Agr)BGA 7945 to 20311 (2) TD-15BG 7945 to 20311 (2) TD-15BP 7973 to 20311 (2) TD-15BPS 9371 to 22000 (2) TD-15BCF 21281 to 22000 (2) TD-15BGS 21676 to 22000 (Order the following parts - 1 CYLINDER 700 170 C1 1 FITTING 109 461 1 VALVE 319 628 R91 1 VALVE 700 171 C91)
	432 695 R1	BOLT, mounting (8)
	103 323	1/2" lock WASHER (8)
4	604 309 C1	RING, hydraulic track adjusting cylinder sealing (used with CYLINDERS, 330 694 R11 and 604 308 C91) (2)
5	325 249 R1	RING, hydraulic track adjusting piston wear (4) (Not Required When Ref. 15 is used)

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TRACK DRIVE

HYDRAULIC TRACK ADJUSTING CYLINDER - CONTINUED

TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311
 TD-15BPS 9371 to 22000
 TD-15BCF 21281 to 22000
 TD-15BGS 21676 to 22000

REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	325 248 R1	BODY, hydraulic track adjusting piston (Order BODY, 609 615 C91 and SEAL, 609 616 C1) (2) (Not Required When Ref. 15 is used)
7	325 250 R91	PACKING, hydraulic track adjusting piston (2) (Not Required When Ref. 15 is used)
8	325 251 R1	END, hydraulic track adjusting piston (2) (Not Required When Ref. 15 is used)
9	555 570 R1	RING, hydraulic track adjusting body snap (2) (Not Required When Ref. 15 is used)
10	700 170 C1	CYLINDER w/PLATE, hydraulic track adjuster (together with FITTING, 109 461, VALVE 319 628 R91 and VALVE 700 171 C91 will work for CYLINDERS 330 694 R11 and 604 308 C91) (2)
11	109 461	FITTING, 1/8" crossplate lubrication (used with CYLINDER, 700 170 C1) (2)
12	319 628 R91	VALVE, cross plate lubrication inlet check (used with CYLINDER, 700 170 C1) (2)
13	609 617 C1	SCRAPER, hydraulic track adjuster rod (used with CYLINDER, 700 170 C1) (2)
14	700 171 C92	VALVE, hydraulic track adjuster relief (used with CYLINDER, 700 170 C1) (2)
15	609 615 C1	BODY, hydraulic track adjusting piston (together with SEAL, 609 616 C1, replaces reference numbers 5 thru 9) (2)
16	609 616 C1	SEAL, hydraulic track adjusting piston body (together with BODY, 609 615 C1, replaces reference numbers 5 thru 9) (2)

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TRACK DRIVE

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TRACK ADJUSTING CYLINDER -- CONTINUED

TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311
 TD-15BPS 9371 to 22000
 TD-15BGF 21281 to 22000
 TD-15BGS 21676 to 22000

17	311 070 R1	BOLT, cross plate vent (2)
18	16 012 R1	BALL, cross plate vent (3/8" dia Grade 2) (2)
19	325 245 R1	PLATE, front idler guide cross (2) TD-15BP 6001 to 7972 (2) TD-15BG 7260 to 7944 (2) TD-15B(Agr)BGA 7260 to 7944 (Order the following parts - 1 CYLINDER 700 170 C1 1 FITTING 109 461 1 VALVE 319 628 R91 1 VALVE 700 171 C91)
19	604 306 C1	PLATE, front idler guide cross (not for sideboom crawler tractors) (2) TD-15BP 7973 to 20311 (2) TD-15BG 7945 to 20311 (2) TD-15B(Agr)BGA 7945 to 20311 (Order the following parts - 1 CYLINDER 700 170 C1 1 FITTING 109 461 1 VALVE 319 628 R91 1 VALVE 700 171 C91)
	271 618	3/4 x 3-1/4" hex-hd cap SCREW (8)
19	607 670 C1	PLATE, front idler guide cross (for sideboom crawler tractors) (2) TD-15BPS 9371 to 20311 (Order the following parts - 1 CYLINDER 700 170 C1 1 FITTING 109 461 1 VALVE 319 628 R91 1 VALVE 700 171 C91)
	271 618	3/4 x 3-1/4" hex-hd cap SCREW (8)

TRACK DRIVE

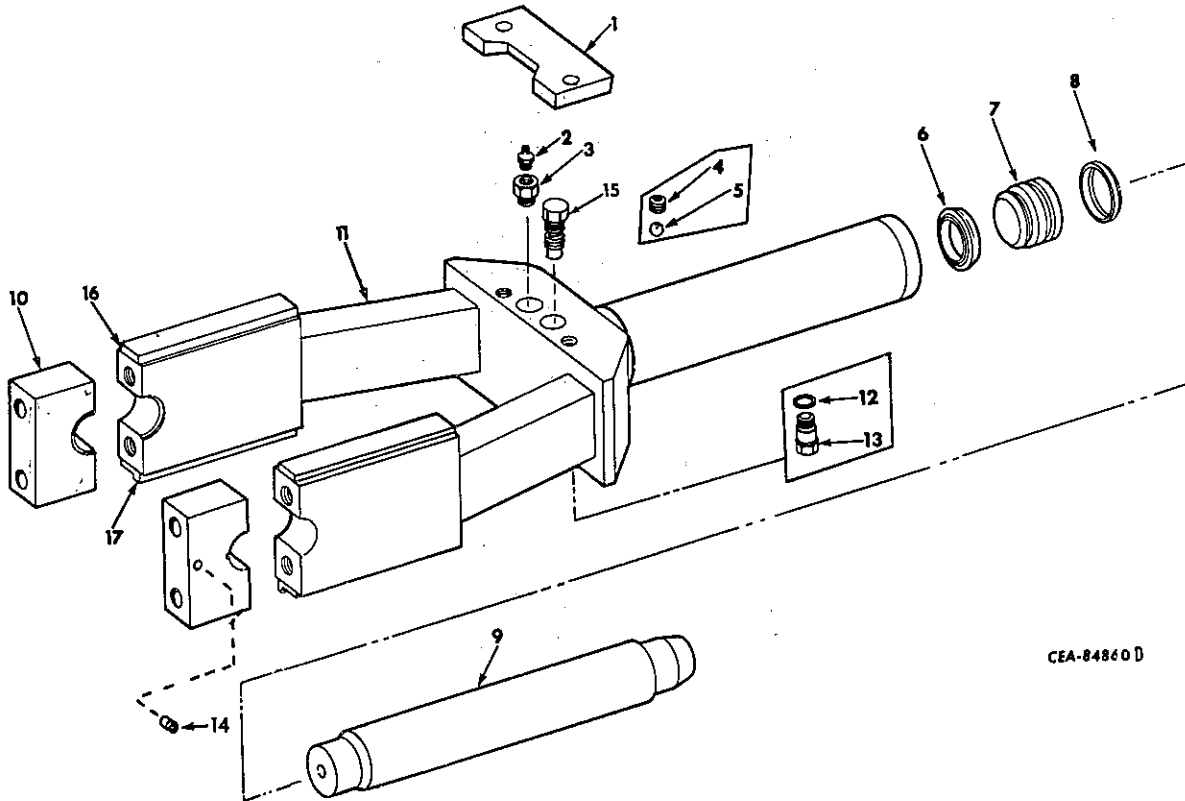
HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS

- TD-15BP 20312 up
- TD-15BG 20312 up
- TD-15B(Agr)BGA 20312 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 22001 up
- TD-15BCF 22001 up
- TD-15BGS 22001 up

TRACK DRIVE

HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS -- CONTINUED

- TD-15BP 20312 up
- TD-15BG 20312 up
- TD-15B(Agr)BGA 20312 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 22001 up
- TD-15BCF 22001 up
- TD-15BGS 22001 up



CEA-84860 D

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	609 618 C1	SCRAPER, front idler (2) 5/8 x 1-1/2" hex-hd cap SCREW (4)
2	109 461	FITTING, 1/8" hydraulic track adjusting piston lubrication (2)
3	319 628 R91	BALL CHECK, crossplate lubrication inlet (2)
4	607 920 C2	SCREW, hydraulic track adjuster ball retainer (2) TD-15BP 20312 to 22466 TD-15BG 20312 to 22466 TD-15B(Agr)BGA 20312 to 22466 TD-15BPS 22001 to 22466 TD-15BCF 22001 to 22466 TD-15BGS 22001 to 22466
5	16 012 R1	BALL, Crossplate vent (2) TD-15BP 20312 to 22466 TD-15BG 20312 to 22466 TD-15B(Agr)BGA 20312 to 22466 TD-15BPS 22001 to 22466 TD-15BCF 22001 to 22466 TD-15BGS 22001 to 22466

REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	609 616 C1	SEAL, hydraulic track adjuster piston (2)
7	609 615 C1	BODY, hydraulic track adjusting (2)
8	609 617 C1	SCRAPER, hydraulic track adjuster piston (2)
9	337 650 R2	ROD, hydraulic track adjusting (not used with sideboom crawler tractors) (2) TD-15BP 20312 to 25000 TD-15BG 20312 to 25000 TD-15B(Agr)BGA 20312 to 25000 TD-15B(Custom)BGA 25001 up TD-15BCF 22001 up
9	330 693 R2	ROD, hydraulic track adjusting (not used with sideboom crawler tractors) (2) TD-15BP 25001 up TD-15BG 25001 up
9	611 394 C1	ROD, hydraulic track adjusting (used with sideboom crawler tractors) (2)

TRACK DRIVE

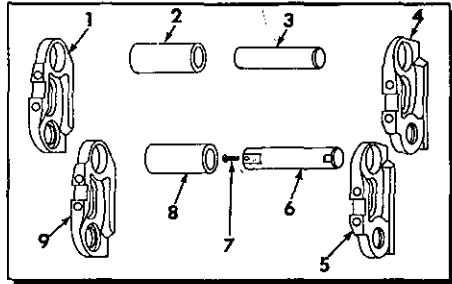
REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS - CONTINUED		
		TD-15BP 20312 up TD-15BG 20312 up TD-15B(Agr)BGA 20312 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 22001 up TD-15BGF 22001 up TD-15BGS 22001 up
10	609 949 C21	CAP w/PIN 19 756 R1, Front Idler Fork (4) TD-15BP 20312 to 23104 TD-15BG 20312 to 25000 TD-15B(Agr)BGA 20312 to 25000 TD-15BPS 22001 to 25000 TD-15BGF 22001 to 25000 TD-15BGS 22001 to 25000
10	624 465 C1	CAP, Front Idler Fork (4) TD-15BP 23105 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up TD-15BPS 25001 up TD-15BGF 25001 up TD-15BGS 25001 up
	117 985	KEY, 1/4 x 1-1/2 (#24 Woodruff)
11	609 950 C91	FORK, w/two CAP, 609 949 C21, front idler (2) TD-15BP 20312 to 22000 TD-15BG 20312 to 22000 TD-15B(Agr)BGA 20312 to 22000 (Order the following parts - 1 FORK 703 321 C1 2 RETAINER 607 907 C2 1 VALVE 700 171 C91 1 CAP 609 949 C21)
	271 618	3/4NF x 3-3/4" hex-hd cap SCREW (8)
11	703 299 C91	FORK w/CAP, 609 949 C21 front idler (2) TD-15BP 22001 to 22466 TD-15BG 22001 to 22466 TD-15B(Agr)BGA 22001 to 22466 TD-15BPS 22001 to 22466 TD-15BGF 22001 to 22466 TD-15BGS 22001 to 22466
	271 618	3/4NF x 3-3/4" hex-hd cap SCREW (8) (Order the following parts - 1 FORK 703 321 C1 1 VALVE 700 171 C91 1 CAP 609 949 C21)
11	703 322 C91	FORK w/CAP, 609 949 C21 front idler (2) TD-15BP 22467 to 23104 TD-15BG 22467 to 25000 TD-15B(Agr)BGA 22467 to 25000 TD-15BPS 22467 to 25000 TD-15BGF 22467 to 25000 TD-15BGS 22467 to 25000
	271 618	3/4NF x 3-3/4" hex-hd cap SCREW (8) (Order the following parts - 1 FORK 703 321 C1 1 CAP 609 949 C21)
11	703 321 C1	FORK, Front Idler (2) TD-15BP 23105 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up TD-15BPS 25001 up TD-15BGF 25001 up TD-15BGS 25001 up
	117 985	KEY, 1/4 x 1-1/2" Woodruff
	271 618	3/4NF x 3-3/4" hex-hd cap SCREW (8)
12	613 948 C1	GASKET, relief valve (2) TD-15BP 20312 to 22466 TD-15BG 20312 to 22466 TD-15B(Agr)BGA 20312 to 22466 TD-15BPS 22001 to 22466 TD-15BGF 22001 to 22466 TD-15BGS 22001 to 22466
13	613 523 C92	VALVE w/GASKET, 619 948 C1 (2) TD-15BP 20312 to 22466 TD-15BG 20312 to 22466 TD-15B(Agr)BGA 20312 to 22466 TD-15BPS 22001 to 22466 TD-15BGF 22001 to 22466 TD-15BGS 22001 to 22466

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS - CONTINUED		
		TD-15BP 20312 up TD-15BG 20312 up TD-15B(Agr)BGA 20312 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 22001 up TD-15BGF 22001 up TD-15BGS 22001 up
14	19 756 R1	PIN, 3/16 x 1/2" spring (used with retainer) (used with CAP, 609 949 C21 only) (4) TD-15BP 20312 to 23104 TD-15BG 20312 to 25000 TD-15BPS 22001 to 25000 TD-15BGF 22001 to 25000 TD-15BGS 22001 to 25000
15	700 171 C92	VALVE, Hydraulic Track Adjuster Relief and Ball Check (2) TD-15BP 22467 up TD-15BG 22467 up TD-15B(Agr)BGA 22467 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 22467 up TD-15BGF 22467 up TD-15BGS 22467 up
16	607 915 C1	PLATE, wear (part of PACKAGE, 620 319 C91)
16	620 319 C91	PACKAGE, front idler fork wear plate service Consists of Plate Wear 607 915 C1, IZG-8999 front idler fork and wear bar location, and IZG-7408 weld instructions (each package contains one bar)
17	620 318 C91	PACKAGE, front idler guide bar service (Consists of Guide wear bar, IZG-8999 front idler wear bar location and IZG-7408 Weld instructions (each package contains one wear bar)
	624 839 C91	PACKAGE, front idler L.H. Block and Cap (Consists of Block L.H. front Idler Shaft, Cap, 624 465 C1, two bolt 3/4 x 1-3/4" and print fork assy.)
	624 840 C91	PACKAGE, front idler R.H. Block and Cap (Consists of Block R.H. front Idler Shaft, Cap, 624 465 C1, two Bolt 3/4 x 1-3/4" and print fork assy.)

TRACK DRIVE

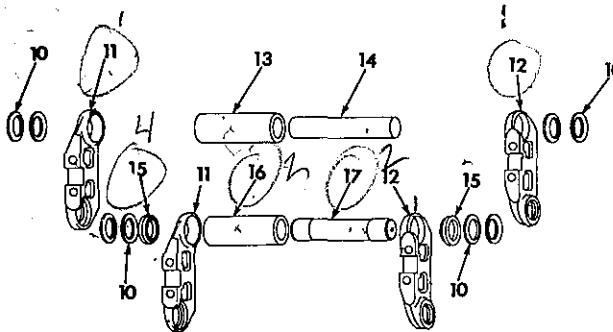
TRACK CHAIN, AND TRACK CHAIN WITH SHOES



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TRACK DRIVE

TRACK CHAIN, AND TRACK CHAIN WITH SHOES - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all track assemblies listed below: Letters A, B, C, D and E are used to identify separate track assemblies
A	316 587 R94	TRACK ASSY, less shoes (2) TD-15BP 6001 to 22000 (2) TD-15BPS 9371 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000 (Order the following parts - 156 BOLT 616 199 C1 156 NUT 616 200 C1 1 TRACK ASSY 703 134 C91)
B	703 134 C91	TRACK ASSY, less shoes (2) TD-15BP 22001 to 25000 (2) TD-15BPS 22001 up (2) TD-15BG 22001 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGF 22001 up (2) TD-15BGS 22001 up
C	620 194 C91	TRACK ASSY, less shoes. (2) TD-15BP 25001 up (2) TD-15BG 25001 up
D	655 005 C91	TRACK ASSY, less shoes (For machines equipped with severe service suspension ATTACHMENT) (2) TD-15BP 20399 to 25000 (2) TD-15BG 20399 to 25000
E	624 858 C91	TRACK ASSY, less shoes (For machines equipped with severe service suspension ATTACHMENT) TD-15BP 25001 up TD-15BG 25001 up
1	316 592 R4	LINK, RH master track (track A)
2	316 593 R2	BUSHING, track link (38 for track A)
3	316 595 R1	PIN, link (38 for track A)
4	316 591 R4	LINK, LH master track (track A)
5	316 589 R4	LINK, LH track (38 for track A)
6	316 596 R1	PIN, track link master (track A)
7	19 479 R1	PIN, master pin lock (track A)
8	316 594 R2	BUSHING, track link master (track A)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	316 590 R4	LINK, RH track (38 for track A)
10	616 195 C1	SEAL, track chain bushing (156 for track B, 164 for track C)
10	616 203 C1	SEAL, track chain bushing (148 for track D, 156 for track E)
11	616 194 C1	LINK, RH track (39 for track B, 41 for track C)
11	616 202 C2	LINK, RH track (37 for track D, 39 for track E)
12	616 193 C1	LINK, LH track (39 for track B, 41 for track C)
12	616 201 C2	LINK, LH track (37 for track D, 39 for track E)
13	316 593 R2	BUSHING, track chain (38 for track B, 40 for track C)
13	655 008 C1	BUSHING, track chain (35 for track D, 37 for track E)
14	316 595 R1	PIN, track chain (38 for track B, 40 for track C)
14	655 006 C1	PIN, track chain (35 for track D, 37 for track E)
15	616 197 C1	SPACER, master link (Track B and C) (2)
15	616 205 C1	SPACER, master link (Track D and E) (4)
16	316 594 R2	BUSHING, master (Track B and C)
16	655 009 C1	BUSHING, master (Track D and E) (2)
17	616 198 C1	PIN, master (Track B and C)
17	655 007 C1	PIN, master (Track D and E) (2)
	318 841 R95	CHAIN, track assembly (with 16" clipped corner shoes) (*) (not for sideboom or backfiller tractors or on machines equipped with severe service suspension ATTACHMENT) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up (Composed of - 156 BOLT 616 199 C1 156 BOLT 616 200 C1 39 SHOE 51 080 DE 1 TRACK 703 134 C91
		(*) - Above Chains Service One Side of Tractor. Order Any Two of Above Assemblies to Service Both Sides of Tractors.

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK CHAIN, AND TRACK CHAIN WITH SHOES -- CONTINUED

318 842 R95 CHAIN, track assembly (with 18" clipped corner shoes) (*) (not for backfiller crawler tractors or on machines equipped with severe service suspension ATTACHMENT)

TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGS 21676 up

(Composed of -
 156 BOLT 616 199 C1
 156 NUT 616 200 C1
 39 SHOE 51 081 DE
 1 TRACK 703 134 C91)

318 843 R95 CHAIN, track assembly (with 20" clipped corner shoes) (*) (not for backfiller crawler tractors or on machines equipped with severe service suspension ATTACHMENT)

TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGS 21676 up

(Composed of -
 156 BOLT 616 199 C1
 156 NUT 616 200 C1
 39 SHOE 51 083 DE
 1 TRACK 703 134 C91)

620 233 C91 CHAIN, track assembly (with 20" clipped corner shoes) (*) (not for sideboom or backfiller crawler tractors or on machines equipped with severe service suspension ATTACHMENT)

TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 164 BOLT 616 199 C1
 164 NUT 616 200 C1
 41 SHOE 51 083 DE
 1 TRACK 620 194 C91)

624 503 C91 CHAIN, track assembly (with 20" clipped corner shoes) (*) (not for sideboom or backfiller crawler tractors) (For machines equipped with severe service suspension ATTACHMENT)

TD-15BP 20399 to 25000
 TD-15BG 20399 to 25000

(Composed of -
 148 BOLT 616 207 C1
 148 NUT 616 209 C1
 37 SHOE 655 033 C1
 1 TRACK 655 005 C91)

624 861 C91 CHAIN, track (with 20" clipped corner shoes) (*) (not for sideboom or backfiller tractors) (For machines equipped with severe service suspension ATTACHMENT)

TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 156 BOLT 616 207 C1
 156 NUT 616 209 C1
 39 SHOE 655 033 C1
 1 TRACK 624 858 C91)

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK CHAIN, AND TRACK CHAIN WITH SHOES -- CONTINUED

345 673 R94 CHAIN, track assembly (with 22" clipped corner shoe) (not for machines equipped with severe service suspension ATTACHMENT) (*)

TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up

(Composed of -
 156 BOLT 616 199 C1
 156 NUT 616 200 C1
 39 SHOE 51 085 DE
 1 TRACK 703 134 C91)

607 671 C93 CHAIN, track assembly (with shoes) (24" clipped corner shoes) (*) (for sideboom and backfiller crawler tractors)

TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGS 21676 up

(Composed of -
 156 BOLT 616 199 C1
 156 NUT 616 200 C1
 39 SHOE 261 443 R3
 1 TRACK 703 134 C91)

620 231 C91 CHAIN, track assembly (with 16" clipped corner shoes) (*) (not for sideboom or backfiller tractors) (not equipped with severe service suspension)

TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 164 BOLT 616 199 C1
 164 NUT 616 200 C1
 41 SHOE 51 080 DE
 1 TRACK 620 194 C91)

620 232 C91 CHAIN, track assembly (with 18" clipped corner shoe) (*) (for sideboom crawler tractors) (not equipped with severe service suspension)

TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 164 BOLT 616 199 C1
 164 NUT 616 200 C1
 41 SHOE 51 081 DE
 1 TRACK 620 194 C91)

620 234 C91 CHAIN, track assembly (with 22" clipped corner shoes) (*) (not equipped with severe service suspension)

TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 164 BOLT 616 199 C1
 164 NUT 616 200 C1
 41 SHOE 51 085 DE
 1 TRACK 620 194 C91)

624 501 C91 CHAIN, track assembly (with 16" clipped corner shoes) (*) (equipped with severe service suspension)

TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGS 21676 up

(Composed of -
 148 BOLT 616 207 C1
 148 NUT 616 209 C1
 37 SHOE 655 032 C1
 1 TRACK 655 005 C91)

(*) - Above Chains Service One Side of Tractor. Order Any Two of Above Assemblies to Service Both Sides of Tractors.

NOTE: Customer Must Order Separately A Severe Service Suspension Track Shoe Assembly With Shoes in the Size and Style Desired When This Package is Ordered.

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK CHAIN, AND TRACK CHAIN WITH SHOES - CONTINUED

624 502 C91 CHAIN, track assembly (with 18" clipped corner shoe) (*) (equipped with severe service suspension)
 TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGS 21676 up

(Composed of -
 148 BOLT 616 207 C1
 148 NUT 616 209 C1
 37 SHOE 655 017 C1
 1 TRACK 655 005 C91)

624 504 C91 CHAIN, track assembly (with 22" clipped corner shoes) (*) (for machines equipped with severe service suspension)
 TD-15BP 6001 to 25000
 TD-15BPS 9371 up
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up

(Composed of -
 148 BOLT 616 207 C1
 148 NUT 616 209 C1
 37 SHOE 655 034 C1
 1 TRACK 655 005 C91)

624 859 C91 CHAIN, track assembly (with 16" clipped corner shoes) (*) (for machines equipped with severe service suspension)
 TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 156 BOLT 616 207 C1
 156 NUT 616 209 C1
 39 SHOE 655 032 C1
 1 TRACK 624 858 C91)

624 860 C91 CHAIN, track assembly (with 18" clipped corner shoes) (*) (for machines equipped with severe service suspension)
 TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 156 BOLT 616 207 C1
 156 NUT 616 209 C1
 39 SHOE 655 017 C1
 1 TRACK 624 858 C91)

624 862 C91 CHAIN, track assembly (with 22" clipped corner shoes) (*) (for machines equipped with severe service suspension)
 TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 156 BOLT 616 207 C1
 156 NUT 616 209 C1
 39 SHOE 655 034 C1
 1 TRACK 624 858 C91)

624 959 C91 CHAIN, track assembly (with 24" clipped corner shoes) (*) (not for machines equipped with severe service suspension)
 TD-15BP 25001 up
 TD-15BG 25001 up

(Composed of -
 164 BOLT 616 199 C1
 164 NUT 616 200 C1
 41 SHOE 216 443 R3
 1 TRACK 620 194 C91)

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK CHAIN, AND TRACK CHAIN WITH SHOES - CONTINUED

624 518 C92 PACKAGE, severe service suspension improvement (See NOTE 3)
 TD-15BP 20399 to 25000
 TD-15BG 20399 to 25000
 (Consists of the following parts -
 12 BOLT 20 548 R1
 8 BOLT 20 065 R1
 8 DOWEL 325 297 R1
 6 ROLLER 655 045 C91
 6 ROLLER 655 046 C91
 2 SPROCKET 624 498 C91
 8 WASHER 325 287 R1)

624 851 C92 PACKAGE, severe service suspension field improvement (See NOTE 3)
 TD-15BP 25001 up
 TD-15BG 25001 up
 (Consists of the following parts -
 12 BOLT 20 548 R1
 8 BOLT 20 065 R1
 8 DOWEL 325 287 R1
 § 4 PLATE
 6 ROLLER 655 045 C91
 6 ROLLER 655 046 C91
 2 SPROCKET 624 498 C91
 8 WASHER 325 287 R1)

(*) - Above Chains Service One Side of Tractor. Order Any Two of Above Assemblies to Service Both Sides of Tractors.

NOTE: When severe service suspension package is ordered, customer must also select and order separately, track shoes in the size and style desired as follows:

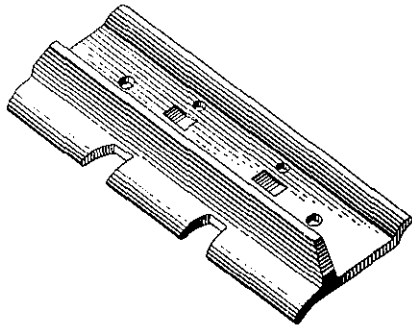
ORDER: Two (2) Track Chain w/ Shoes Attached (Service Assembly)
 or
 Two (2) Track Chain Assembly #655005C91 and one (1) Track Shoe Attachment (Field Applied)

§ - Not Furnished Separately.

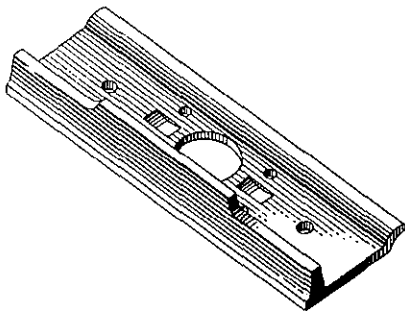
NOTE 3 - Field Application Order Through Regular Service Parts Channels.

TRACK DRIVE

TRACK SHOES



Clipped corner

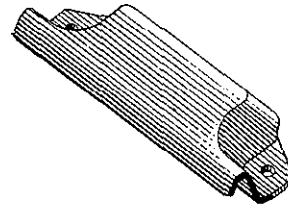


Center lug ice grouser

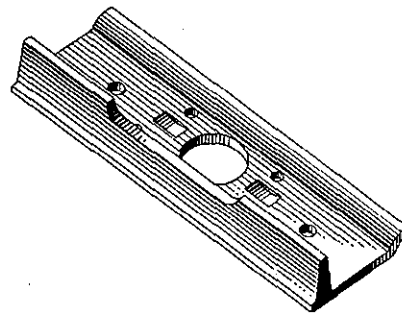
REF. No.	I. H. PART NUMBER	DESCRIPTION
CLIPPED CORNER		
51 080 DE		SHOE, track 16" (Part of ATTACHMENT, 257 729 R94 and 620 198 C91) (78) TD-15BP 6001 to 25000 (78) TD-15BG 7260 to 25000 (78) TD-15B(Agr)BGA 7260 to 25000 (78) TD-15B(Custom)BGA 25001 up (82) TD-15BP 25001 up (82) TD-15BG 25001 up
51 081 DE		SHOE, track 18" (Part of ATTACHMENT, 257 730 R94 and 620 199 C91) (78) TD-15BP 6001 to 25000 (78) TD-15BG 7260 to 25000 (78) TD-15B(Agr)BGA 7260 to 25000 (78) TD-15B(Custom)BGA 25001 up (82) TD-15BP 25001 up (82) TD-15BG 25001 up
51 083 DE		SHOE, track 20" (Part of ATTACHMENT, 607 672 C92 and 620 225 C91) (78) TD-15BP 6001 to 25000 (78) TD-15BG 7260 to 25000 (78) TD-15B(Agr)BGA 7260 to 25000 (78) TD-15B(Custom)BGA 25001 up (82) TD-15BP 25001 up (82) TD-15BG 25001 up

TRACK DRIVE

TRACK SHOES - CONTINUED



Street plate



End lug ice grouser

IPA-78102

REF. No.	I. H. PART NUMBER	DESCRIPTION
CLIPPED CORNER - Continued		
51 085 DE		SHOE, track 22" (Part of ATTACHMENT, 607 673 C92 and 620 226 C1) (78) TD-15BP 6001 to 25000 (78) TD-15BG 7260 to 25000 (78) TD-15B(Agr)BGA 7260 to 25000 (78) TD-15B(Custom)BGA 25001 up (82) TD-15BP 25001 up (82) TD-15BG 25001 up
261 443 R3		SHOE, track 24" (Part of ATTACHMENT, 607 674 C92 and 700 189 C92) (78)
616 199 C1		BOLT, track shoe
273 872 R1		NUT, track shoe (312) TD-15BP 6001 to 22000 (312) TD-15BG 7260 to 22000 (312) TD-15B(Agr)BGA 7260 to 25000 (312) TD-15BPS 9371 to 22000 (312) TD-15BGF 21281 to 22000 (312) TD-15BGS 21676 to 22000
616 199 C1		BOLT, track shoe
616 200 C1		NUT, track shoe (312) TD-15BP 22000 to 25001 (312) TD-15BG 22000 to 25001 (328) TD-15BP 25001 up (328) TD-15BG 25001 up (312) TD-15B(Custom)BGA 25001 up (312) TD-15BPS 22001 up (312) TD-15BGF 22001 up (312) TD-15BGS 22001 up

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK SHOES - CONTINUED

CLIPPED CORNER - Continued

655 032 C1	SHOE, track 16" (Part of ATTACHMENT, 624 510 C91 and 624 866 C91) (74) TD-15BP 20399 to 25000 (74) TD-15BG 20399 to 25000 (78) TD-15BP 25001 up (78) TD-15BG 25001 up
655 017 C1	SHOE, track 18" (Part of ATTACHMENT, 624 511 C91 and 624 867 C91) (74) TD-15BP 20399 to 25000 (74) TD-15BG 20399 to 25000 (78) TD-15BP 25001 up (78) TD-15BG 25001 up
655 033 C1	SHOE, track 20" (Part of ATTACHMENT, 624 512 C91 and 624 868 C91) (74) TD-15BP 20399 to 25000 (74) TD-15BG 20399 to 25000 (78) TD-15BP 25001 up (78) TD-15BG 25001 up
655 034 C1	SHOE, track 22" (Part of ATTACHMENT, 624 513 C91 and 624 869 C91) (74) TD-15BP 20399 to 25000 (74) TD-15BG 20399 to 25000 (78) TD-15BP 25001 up (78) TD-15BG 25001 up
616 207 C1 616 209 C1	BOLT, track shoe NUT, track shoe bolt (296) TD-15BP 20399 to 25000 (296) TD-15BG 20399 to 25000 (312) TD-15BP 25001 up (312) TD-15BG 25001 up
257 729 R94	ATTACHMENT, track shoe 16" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 78 SHOES 51 080 DE, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up
624 510 C91	ATTACHMENT, track shoe 16" (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr, sideboom or backfiller tractor) (Includes 74 SHOES 655 032 C1, 296 BOLT 616 207 C1, 296 NUT 616 209 C1) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000
620 198 C91	ATTACHMENT, track shoe 16" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 82 SHOES 51 080 DE, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
624 866 C91	ATTACHMENT, track shoe 16" (See NOTES 1 and 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 78 SHOES 655 032 C1, 312 BOLT 616 207 C1, 312 NUT 616 209 C1) TD-15BP 25001 up TD-15BG 25001 up

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK SHOES - CONTINUED

CLIPPED CORNER - Continued

257 730 R94	ATTACHMENT, track shoe 18" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 78 SHOES 51 081 DE, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up
624 511 C91	ATTACHMENT, track shoe 18" (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr, sideboom or backfiller tractor) (Includes 74 SHOES 655 017 C1, 296 BOLT 616 207 C1, 296 NUT 616 209 C1) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000
620 199 C91	ATTACHMENT, track shoe 18" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 82 SHOES 51 081 DE, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
624 867 C91	ATTACHMENT, track shoe 18" (See NOTE 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor) (Includes 78 SHOES 655 017 C1, 312 BOLT 616 207 C1, 312 NUT 616 209 C1) TD-15BP 25001 up TD-15BG 25001 up
607 672 C92	ATTACHMENT, track shoe 20" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for backfiller crawler tractor) (Includes 78 SHOES 51 083 DE, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 9371 up TD-15BGS 21676 up
624 512 C91	ATTACHMENT, track shoe 20" (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr, sideboom or backfiller) (Includes 74 SHOES 655 033 C1, 296 BOLT 616 207 C1, 296 NUT 616 209 C1) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000

- NOTE 1 - Factory Application - Order On Machine Order Form.
- NOTE 2 - Field Application - Order On Machine Order Form.
- NOTE 3 - Field Application Order Through Regular Service Parts Channels.

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRACK SHOES - CONTINUED		
CLIPPED CORNER - Continued		
620 225 C91		ATTACHMENT, track shoe 20" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for backfiller tractor)
		(Includes 82 SHOES 51 083 DE, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
624 868 C91		ATTACHMENT, track shoe 20" (See NOTES 1 and 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor)
		(Includes 78 SHOES 655 033 C1, 312 BOLT 616 207 C1, 312 NUT 616 209 C1) TD-15BP 25001 up TD-15BG 25001 up
607 673 C92		ATTACHMENT, track shoe 22" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for backfiller crawler tractor)
		(Includes 78 SHOES 51 085 DE, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 9371 up TD-15BGS 21676 up
624 513 C91		ATTACHMENT, track shoe 22" (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr, sideboom or backfiller tractors)
		(Includes 74 SHOES 655 034 C1, 296 BOLT 616 207 C1, 296 NUT 616 209 C1) TD-15BP 20399 to 25000 TD-15BG 20399 to 25000
620 226 C1		ATTACHMENT, track shoe 22" (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for backfiller tractor)
		(Includes 82 SHOES 51 085 DE, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
624 869 C91		ATTACHMENT, track shoe 22" (See NOTES 1 and 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom, or backfiller tractor)
		(Includes 78 SHOES 655 034 C1, 312 BOLT 616 207 C1, 312 NUT 616 209 C1) TD-15BP 25001 up TD-15BG 25001 up
607 674 C92		ATTACHMENT, track shoe 24" (See NOTE) (For sideboom tractor)
		(Includes 78 SHOES 261 443 R3, 312 BOLT 616 199 C1, 312 NUT 616 200 C1)
700 189 C92		ATTACHMENT, track shoe 24" (See NOTE) (For backfiller tractor)
		(Includes 78 SHOES 261 443 R3, 312 BOLT 616 199 C1, 312 NUT 616 200 C1)

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRACK SHOES - CONTINUED		
STREET PLATE		
57 641 DA		SHOE, track 13-1/2" (Part of ATTACHMENT 255 840 R93, 609 634 C92, 611 123 C91, 611 122 C91, 620 229 C91 and 620 230 C91) (40) Used with ATTACHMENT 255 840 R93 and 609 634 C92 (78) Used with ATTACHMENT 611 123 C91 and 611 122 C91 (42) Used with ATTACHMENT 620 229 C91 (84) Used with ATTACHMENT 620 230 C91
46 686 DA		SHOE, track 14" (Part of ATTACHMENT 624 516 C91, 624 517 C91, 609 635 C91 and 624 870 C91) (38) Used with ATTACHMENT 624 516 C91 (74) Used with ATTACHMENT 624 517 C91 (40) Used with ATTACHMENT 609 635 C91 (156) Used with ATTACHMENT 624 870 C91
302 947 R1		SPACER, track shoe (80) Used with ATTACHMENT 609 634 C92 (156) Used with ATTACHMENT 611 122 C91 (84) Used with ATTACHMENT 620 229 C91 (164) Used with ATTACHMENT 620 230 C91 (76) Used with ATTACHMENT 624 516 C91 (148) Used with ATTACHMENT 624 517 C91 (80) Used with ATTACHMENT 609 635 C91 (156) Used with ATTACHMENT 624 870 C91 3/4" NF x 1-3/4" hex-hd cap SCREW 3/4" NF NUT (80) Used with ATTACHMENT 255 840 R93 and 609 634 C92 (156) Used with ATTACHMENT 611 123 C91 and 611 122 C91 (84) Used with ATTACHMENT 620 229 C91 (84) Used with ATTACHMENT 620 230 C91 (76) Used with ATTACHMENT 624 516 C91 (148) Used with ATTACHMENT 624 517 C91 (80) Used with ATTACHMENT 609 635 C91 (156) Used with ATTACHMENT 624 870 C91
		NOTE 1 - Factory Application - Order On Machine Order Form. NOTE 2 - Field Application - Order On Machine Order Form. NOTE 3 - Field Application Order Through Regular Service Parts Channels. NOTE: When severe service suspension package is ordered, customer must also select and order separately, track shoes in the size and style desired as follows: ORDER: Two (2) Track Chain w/Shoes Attached (Service Assembly) or Two (2) Track Chain Assembly # 655005C91 and One (1) Track Shoe Attachment (Field Applied)

TRACK DRIVE

TRACK SHOES - CONTINUED

STREET PLATE - Continued

- 255 840 R93 ATTACHMENT, track shoe 13-1/2" (Half Set) (See NOTE 3) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 40 SHOES 57 641 DA, 80 3/4"NF x 1-1/2" hex-hd cap SCREW, 80 3/4"NF NUT)
TD-15BP 6001 to 7700
TD-15BG 7260 to 7700
TD-15B(Agr)BGA 7260 to 7700
- 611 123 C91 ATTACHMENT, track shoe 13-1/2" (Full Set) (See NOTE 3) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 78 SHOES 57 641 DA, 156 3/4"NF x 1-3/4" hex-hd cap SCREW, 156 3/4" NUT)
TD-15BP 6001 to 7700
TD-15BG 7260 to 7700
TD-15B(Agr)BGA 7260 to 7700
- 609 634 C92 ATTACHMENT, track shoe 13-1/2" (Half Set) (See NOTES 1, 2 and 3) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 40 SHOES 57 641 DA, 80 3/4"NF x 1-3/4" hex-hd cap SCREW, 80 3/4"NF NUT, 80 SPACER 302 947 R1)
TD-15BP 7701 to 25000
TD-15BG 7701 to 25000
TD-15B(Agr)BGA 7701 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BGF 21281 up
- 611 122 C91 ATTACHMENT, track shoe 13-1/2" (Full Set) (See NOTES 1, 2 and 3) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 78 SHOES 57 641 DA, 156 3/4"NF x 1-3/4" hex-hd cap SCREW, 156 3/4"NF NUT, 156 SPACER 302 947 R1)
TD-15BP 7701 to 25000
TD-15BG 7701 to 25000
TD-15B(Agr)BGA 7701 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BGF 21281 up
- 620 229 C91 ATTACHMENT, track shoe 13-1/2" (Half Set) (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 42 SHOES 57 641 DA, 84 3/4"NF x 1-1/2" hex-hd cap SCREW, 84 3/4"NF NUT, 84 SPACER 302 947 R1)
TD-15BP 25001 up
TD-15BG 25001 up
- 620 230 C91 ATTACHMENT, track shoe 13-1/2" (Full Set) (See NOTES 1 and 2) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom tractor)

(Includes 82 SHOES 57 641 DA, 164 3/4"NF x 1-3/4" hex-hd cap SCREW, 164 3/4"NF NUT, 164 SPACER 302 947 R1)
TD-15BP 25001 up
TD-15BG 25001 up

TRACK DRIVE

TRACK SHOES - CONTINUED

STREET PLATE - Continued

- 624 516 C91 ATTACHMENT, track shoe 14" (Half Set) (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr., sideboom or backfiller tractor)

(Includes 38 SHOES 46 686 DA, 76 3/4"NF x 2-1/4" hex-hd cap SCREW, 76 3/4"NF NUT, 76 SPACER 302 947 R1)
TD-15BP 20399 to 25000
TD-15BG 20399 to 25000
- 624 517 C91 ATTACHMENT, track shoe 14" (Full Set) (See NOTE 3) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for agr., sideboom, or backfiller tractor)

(Includes 74 SHOES 46 686 DA, 148 3/4"NF x 2-1/4" hex-hd cap SCREW, 148 3/4"NF NUT, 148 SPACER 302 947 R1)
TD-15BP 20399 to 25000
TD-15BG 20399 to 25000
- 609 635 C91 ATTACHMENT, track shoe 14" (Half Set) (See NOTES 1 and 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractor)

(Includes 40 SHOES 46 686 DA, 80 3/4"NF x 2-1/4" hex-hd cap SCREW, 80 3/4"NF NUT, 80 SPACER 302 947 R1)
TD-15BP 25001 up
TD-15BG 25001 up
- 624 870 C91 ATTACHMENT, track shoe 14" (Full Set) (See NOTES 1 and 2) (Used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom or backfiller tractors)

(Includes 78 SHOES 46 686 DA, 156 3/4"NF x 2-1/4" hex-hd cap SCREW, 156 3/4"NF NUT, 156 SPACER 302 947 R1)
TD-15BP 25001 up
TD-15BG 25001 up

- NOTE 1 - Factory Application - Order On Machine Order Form.
- NOTE 2 - Field Application - Order On Machine Order Form.
- NOTE 3 - Field Application Order Through Regular Service Parts Channels.

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK SHOES - CONTINUED

STAGGERED LUG ICE GROUSER AND SNOW SHOE

57 185 DB	SHOE, track center lug 16" (Part of ATTACHMENT 255 880 R93 and 620 227 C91) (39) TD-15BP 6001 to 25000 (39) TD-15BG 7260 to 25000 (41) TD-15BP 25001 up (41) TD-15BG 25001 up
57 186 DB	SHOE, track end lug 16" (Part of ATTACHMENT 255 880 R93 and 620 227 C91) (39) TD-15BP 6001 to 25000 (39) TD-15BG 7260 to 25000 (41) TD-15BP 25001 up (41) TD-15BG 25001 up
57 187 DB	SHOE, track center lug 18" (Part of ATTACHMENT 255 881 R93 and 620 228 C91) (39) TD-15BP 6001 to 25000 (39) TD-15BG 7260 to 25000 (41) TD-15BP 25001 up (41) TD-15BG 25001 up
57 188 DB	SHOE, track end lug 18" (Part of ATTACHMENT 255 881 R93 and 620 228 C91) (39) TD-15BP 6001 to 25000 (39) TD-15BG 7260 to 25000 (41) TD-15BP 25001 up (41) TD-15BG 25001 up
616 199 C1 273 872 R1	BOLT, track shoe NUT, track shoe (312) TD-15BP 6001 to 22000 (312) TD-15BG 7260 to 22000
616 199 C1 616 200 C1	BOLT, track shoe NUT, track shoe (312) TD-15BP 22000 to 25001 (312) TD-15BG 22000 to 25001 (328) TD-15BP 25001 up (328) TD-15BG 25001 up
255 880 R93	ATTACHMENT, track shoe 16" (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom, agr, or backfiller tractor) (*) (Includes 39 SHOES 57 185 DB, 39 SHOES 57 186 DB, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000
620 227 C91	ATTACHMENT, track shoe 18" (See NOTE) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom, agr or backfiller crawler tractor) (Includes 41 SHOES 57 185 DB, 41 SHOES 57 186 DB, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
255 881 R93	ATTACHMENT, track shoe 18" (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom, agr or backfiller crawler tractor) (*) (Includes 39 SHOES 57 187 DB, 39 SHOES 57 188 DB, 312 BOLT 616 199 C1, 312 NUT 616 200 C1) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000

TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK SHOES - CONTINUED

STAGGERED LUG ICE GROUSER AND SNOW SHOE - Continued

620 228 C91	ATTACHMENT, track shoe 18" (See NOTE) (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (Not for sideboom, agr or backfiller tractor) (Includes 41 SHOES 57 187 DB, 41 SHOES 57 187 DB, 328 BOLT 616 199 C1, 328 NUT 616 200 C1) TD-15BP 25001 up TD-15BG 25001 up
604 913 C92	PACKAGE, track shoe bolt and nut field service (Consists of 1 KEG, 336 BOLT 616 199 C1 and 336 NUT 616 200 C1) (Cannot be used on machines equipped by severe service suspension system)
624 689 C91	PACKAGE, track shoe bolt and nut field service (consists of 1 KEG, 336 BOLT 616 208 C1 and 336 NUT 616 209 C1) (for use on machines equipped w/severe service suspension system)

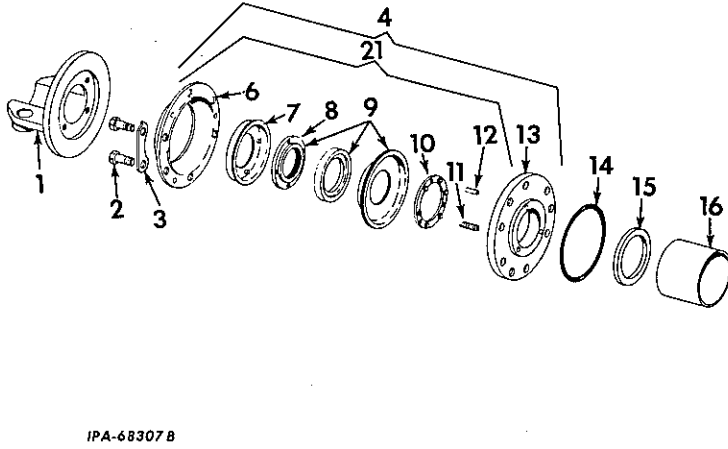
NOTE: When severe service suspension package is ordered, customer must also select and order separately, track shoes in the size and style desired as follows:

ORDER: Two (2) Track Chain w/ Shoes Attached (Service Assembly) or
Two (2) Track Chain Assembly #655005C91 and One (1) Track Shoe Attachment (Field Applied)

(*) - Attachment will no longer be Available. Service Parts will be Furnished.

TRACK DRIVE

TRACK ROLLER ,
 TD-15BP 6001 to 20242
 TD-15BG 7260 to 20242
 TD-15B(Agr)BGA 7260 to 20242
 TD-15BPS 9371 to 20242

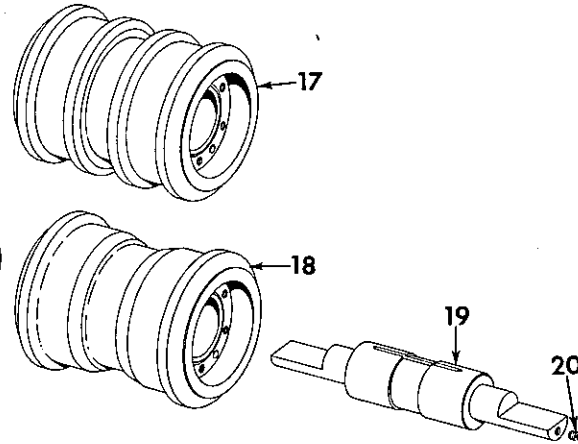


IPA-68307B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	305 525 R92	ROLLER and SHAFT ASSEMBLY, track (single flange) (6)
	305 526 R92	ROLLER and SHAFT ASSEMBLY, track (double flange) (6)
		(Consists of the following parts -
1	268 306 R1	BRACKET, track roller shaft (not part of track ROLLER and SHAFT ASSEMBLIES, 305 525 R92 or 305 526 R92) (24)
	271 609	3/4 x 1-3/4" hex-hd cap SCREW (48)
2	179 861	SCREW, track roller bushing retainer (7/16 x 1-3/8" hex hd cap) (144)
3	261 647 R1	PLATE, track roller bushing retainer screw lock (72)
4	275 520 R91	OIL SEAL, track roller ("D" type) (24)
6	275 572 R1	SHELL, outer (#) (24)
6	346 676 R1	SHELL, outer (†) (24)
7	275 569 R1	PLATE, top (#) (24)
9	402 585	RIVET, 1/4 x 9/16" (72)
7	346 677 R91	PLATE, top (†) (24)
	101 855	RIVET, 1/4 x 5/8" (72)
8	275 568 R1	GASKET, stator rotor (#) (24)
8	346 679 R1	GASKET, stator rotor (†) (24)
9	275 570 R91	ROTOR w/GASKET, 275 568 R1, stator (#) (24)
9	346 678 R91	ROTOR w/GASKET, 346 679 R1, stator (†) (24)
10	346 680 R1	HOLDER, spring (†) (24)
11	275 571 R1	SPRING (#) (144)
11	346 681 R1	SPRING (†) (144)
12	275 573 R1	PIN, anchor (72)
13	275 519 R2	PLATE, retainer (24)

TRACK DRIVE

TRACK ROLLER - CONTINUED
 TD-15BP 6001 to 20242
 TD-15BG 7260 to 20242
 TD-15B(Agr)BGA 7260 to 20242
 TD-15BPS 9371 to 20242



REF. NO.	I.H. PART NUMBER	DESCRIPTION
14	259 246 R1	"O" RING, 3-7/8 x 4-1/8" (track roller sealing) (24)
15	624 760 C1	WASHER, thrust (24)
15	341 878 R1	WASHER, thrust (.015" oversize) (X)
16	305 535 R2	BUSHING, track roller (24)
16	305 542 R1	BUSHING, track roller (.030" oversize) (X)
17	305 528 R91	ROLLER, track with two BUSHING, 305 535 R2 (double flange) (6)
18	305 527 R91	ROLLER, track with two BUSHING, 305 535 R2 (single flange) (6)
19	305 533 R92	SHAFT, track roller (12)
20	268 996 R1	PLUG, track roller lubrication (12)
21	606 251 C91	PACKAGE, oil seal field service (X)
		(Consists of -
	2	HOLDER 346 680 R1
	6	PIN 275 573 R1
	6	RIVET 101 855
	2	SHELL 346 676 R1
	12	SPRING 346 681 R1
	2	STATOR, rotor and gasket assy 346 678 R91
	2	PLATE 346 677 R91)
		Service parts necessary to change one track roller over to "DF" metal face type seals on track rollers built from TD-15BP-6001 to 20242; TD-15BG 7260 to 20242; TD-15BGA 7260 to 20242 and TD-15BPS 9371 to 20242
		(Order the following parts -
	12	BOLT 604 932 C1
	2	BRACKET 604 933 C1
	1	DRAWING IZG-7439
	2	PACKAGE 604 188 C91
	2	PIN 19 885 R1
	2	RETAINER 604 931 C1
	2	RING 364 145 R1
	1	SHAFT 305 533 R92)

- Used On Units Equipped With "C" Type Seals.
 † - Used On Units Equipped With "D" Type Seals.
 X - As Required.

TRACK DRIVE

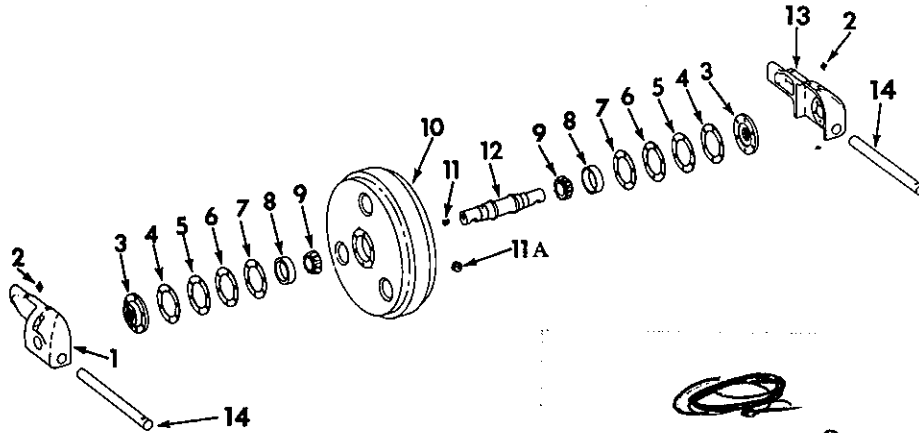
FRONT IDLER

TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311
 TD-15BPS 9371 to 20311

TRACK DRIVE

FRONT IDLER - CONTINUED

TD-15BP 6001 to 20311
 TD-15BG 7260 to 20311
 TD-15B(Agr)BGA 7260 to 20311
 TD-15BPS 9371 to 20311



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	327 753 R1	GUIDE, RH front idler (2)
2	109 461	FITTING, 1/8" idler guide lubrication (4)
3	324 037 R91	OIL SEAL (4)
	181 431	1/2NF x 1-1/2" hex-hd cap SCREW (24)
	103 322	1/2" lock WASHER (24)
4	325 238 R1	SHIM, bearing retainer (.023) (8)
5	325 239 R1	SHIM, bearing retainer (.007) (8)
6	325 240 R1	SHIM, bearing retainer (.003) (8)
7	325 241 R1	SHIM, bearing retainer (.002) (8)
8	13 363 D	CUP, front idler shaft roller bearing (4)

Handwritten notes:
 230⁰⁰
 JWP Weller
 200⁰⁰
 35 lbs
 104 938 CORK, 11/16 x No. 2 (6)

Handwritten notes:
 15BP
 SA# 22012
 220012

TRACK DRIVE

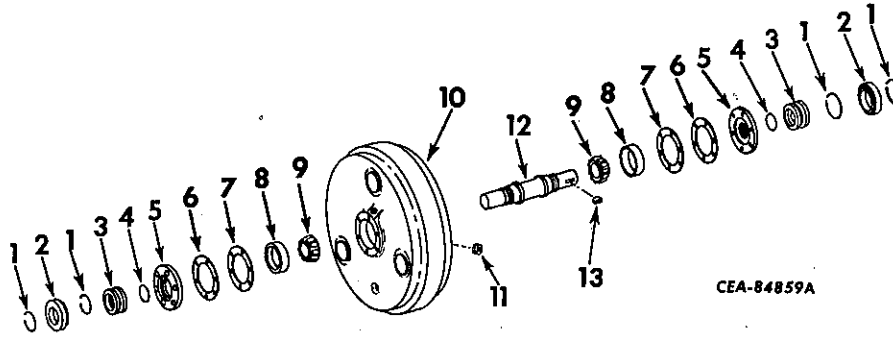
ATTN: RAY STOUT

FRONT IDLER

- TD-15BP 20312 up
- TD-15BG 20312 up
- TD-15B(Agr)BGA 20312 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 20312 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up

FRONT IDLER - CONTI

- TD-15BP 20312 up
- TD-15BG 20312 up
- TD-15B(Agr)BGA 20312 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 20312 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	606 936 C1	RING, snap (4)
2	607 907 C2	RETAINER, seal (4) TD-15BP 20312 to 23104 TD-15BG 20312 to 25000 TD-15B(Agr)BGA 20312 to 25000 TD-15BPS 20312 to 25000 TD-15BGF 20312 to 25000 TD-15BGS 20312 to 25000
2	620 119 C1	RETAINER, seal (4) TD-15BP 23105 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up TD-15BPS 25001 up TD-15BGF 25001 up TD-15BGS 25001 up
3	604 186 C91	OIL SEAL w/PAMPHLET, 1 019 247 R1 metal face type front idler (4)
3	606 132 C91	PACKAGE, front idler oil seal field service (consists of two WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1)
3	606 625 C91	PACKAGE, reunitization field service (consists of fifty plastic retainer bands) (X)
4	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8") (4)
5	609 607 C1	RETAINER, front idler bearing (4) TD-15BP 20312 to 22000 TD-15BG 20312 to 22000 TD-15B(Agr)BGA 20312 to 22000 TD-15BPS 20312 to 22000 TD-15BGF 21281 to 22000 TD-15BGS 21676 to 22000 (Order the following parts - 1 CAP 609 949 C21 1 RETAINER 607 907 C2 1 RETAINER 616 326 C1) 181 429 1/2NF x 1-1/4" hex-hd cap SCREW (24) 103 322 1/2" lock WASHER (24)
5	616 326 C1	RETAINER, front idler bearing (4) (Order 1 RETAINER 620 120 C1, 1 RETAINER 620 119 C1, 6 BOLT 625 386 C1, 1 CAP 624 465 C1 TD-15BP 22001 to 23104 TD-15BG 22001 to 25000 TD-15B(Agr)BGA 22001 to 25000 TD-15BPS 22001 to 25000 TD-15BGF 22001 to 25000 TD-15BGS 22001 to 25000

REF. NO.	I.H. PART NUMBER	DESCRIPTION
5	620 120 C1	RETAINER, front idler bearing (4) TD-15BP 23105 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up TD-15BPS 25001 up TD-15BGF 25001 up TD-15BGS 25001 up 1/2 x 1-3/8" ferry hd SCREW (24) 1/2" lock WASHER (24)
6	609 605 C1	SHIM, bearing retainer (.030) (8)
7	609 604 C1	SHIM, bearing retainer (.0075) (X)
8	13 363 D	CUP, front idler shaft roller bearing (4)
9	ST 2007A	CONE, front idler shaft roller bearing (4)
10	325 236 R21	IDLER w/PLUG, 270 835 R1 front (2)
11	270 835 R1	PLUG, lubrication (2)
12	609 606 C2	SHAFT, front idler (Together with 2 RINGS 606 936 C1 will work for SHAFT 609 606 C1)(2)
13	117 985 624 894 C91	KEY, 1/4 x 1-1/2" Woodruff PACKAGE, front idler oil seal protection field improvement (PACKAGE contains parts for one side of tractor only) TD-15BP 23048 to 23104 TD-15BG 23048 to 23104 TD-15B(Agr)BGA 23048 to 25000 TD-15BPS 23048 to 25000 TD-15BGF 23048 to 25000 TD-15BGS 23048 to 25000 (Composed of - 12 BOLT 625 386 C1 2 CAP 624 465 C1 2 RETAINER 620 119 C1 2 RETAINER 620 120 C1)
	624 895 C91	PACKAGE, front idler oil seal protection field improvement (PACKAGE contains parts for one side of tractor only) TD-15BP 20312 to 23047 TD-15BG 20312 to 23047 TD-15B(Agr)BGA 20312 to 23047 TD-15BPS 20312 to 23047 TD-15BGF 21281 to 23047 TD-15BGS 21676 to 23047 (Composed of - 1 PACKAGE 624 894 C91 1 SHAFT 609 606 C2 2 RING 609 936 C1)

(X)- As Required.

TRACK DRIVE

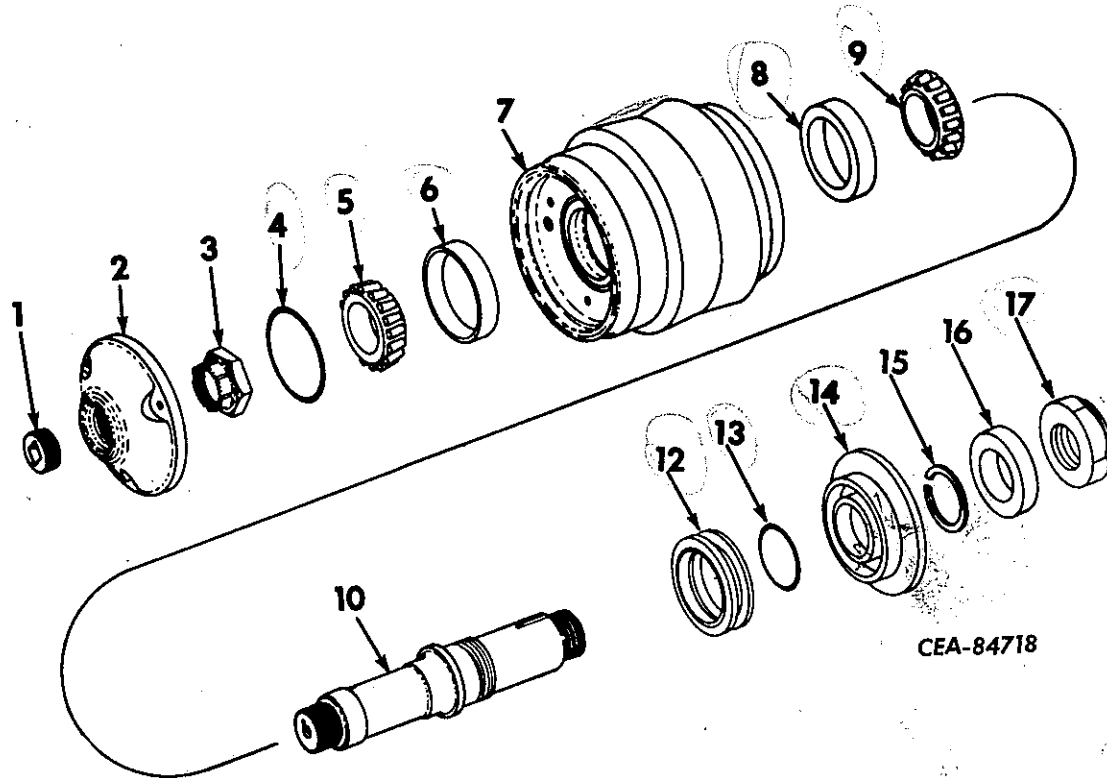
TRACK IDLER

TD-15BP 20312 up
 TD-15BG 20312 up
 TD-15B(Agr)BGA 20312 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BPS 20312 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up

TRACK DRIVE

TRACK IDLER- CONTINUED

TD-15BP 20312 up
 TD-15BG 20312 up
 TD-15B(Agr)BGA 20312 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BPS 20312 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up



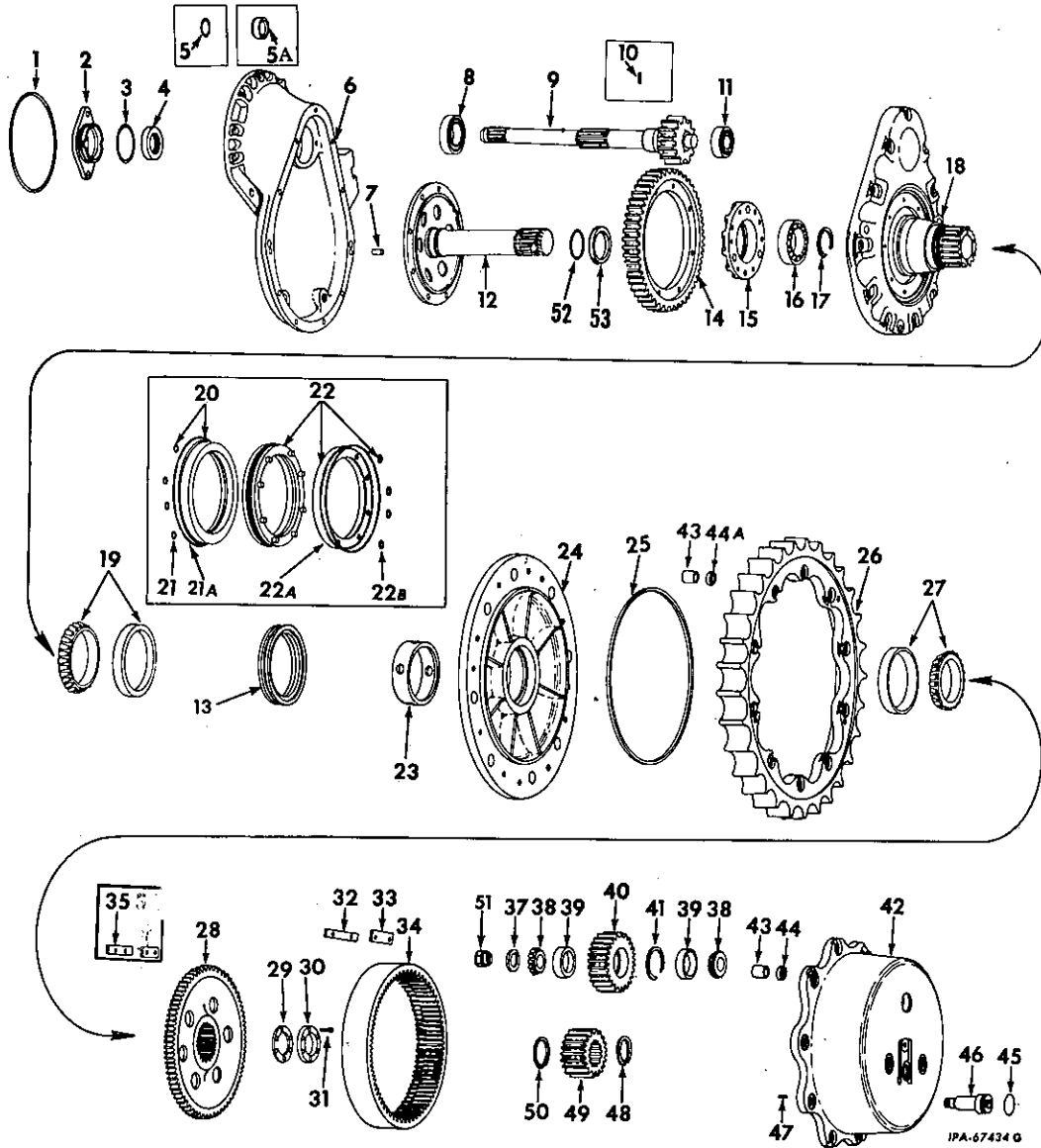
REF. NO.	I.H. PART NUMBER	DESCRIPTION
	609 600 C91	IDLER ASSY. track (4) (Consists of Ref. 1 thru 15)
1	271 647 R1	PLUG, cap (4)
2	325 202 R1	CAP (4)
	179 839	3/8 x 1" hex-hd cap SCREW (12)
	103 321	3/8" lock WASHER (12)
3	325 201 R1	NUT (4)
	103 388	1/8 x 1-3/4" cotter PIN (4)
4	259 246 R1	"O" RING (3-7/8 x 4-1/8 x 1/8") (4)
5	298 029 R91	CONE, outer bearing (4)
6	ST 970	CUP, outer bearing (4)
7	609 599 C91	IDLER (4)
8	ST 970	CUP, inner bearing (4)
9	321 547 R91	CONE, inner bearing (4)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	609 602 C1	SHAFT (4)
12	604 186 C91	OIL SEAL w/PAMPHLET, 1 019 247 R1 metal face type track idler (4)
12	662-591-C91	PACKAGE, track idler oil seal field service (consists of two WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1)
12	606 132 C91	PACKAGE, track idler oil seal field service (consists of two WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1)
12	606 625 C91	PACKAGE, reunitionization field service (consists of fifty plastic retainer bands) (X)
13	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8") (4)
14	607 907 C2	RETAINER, seal (4)
15	606 936 C1	RING, snap (4)
16	331 994 R1	WASHER, track idler (4)
17	18 583 R1	NUT, Esna (4)

(x) - As Required.

FINAL DRIVE

SPROCKET DRIVE AND SPROCKET



FINAL DRIVE

SPROCKET DRIVE AND SPROCKET - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	324 045 R1	RING, sprocket drive carrier sealing (2)
2	325 275 R3 179 883 103 323	RETAINER, pinion gear oil seal (2) 1/2 x 1-1/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
3	468 339 R1	"O" RING, pinion gear seal retainer (4 x 4-1/4 x 1/8") (2)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4	610 866 C91	OIL SEAL, pinion gear (together with SLEEVE, 610 868 C1, will work for OIL SEAL, 324 023 R92) (2)TD-15BP 6001 to 20647 (2)TD-15BG 7260 to 20647 (2)TD-15B(Agr)BGA 7260 to 20647 (2)TD-15BPS 9371 to 20647

FINAL DRIVE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
4	610 867 C91	OIL SEAL, pinion gear (2) TD-15BP 20648 up (2) TD-15BG 20648 up (2) TD-15B(Agr)BGA 20648 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 20648 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
5	364 145 R1	"O" RING, pinion gear (2-1/8 x 2-5/16 x 3/32") (used with OIL SEAL, 324 023 R92)(2)
5A	610 868 C1	SLEEVE, wear (used with OIL SEAL, 610 866 C91)
6	628 055 C91	CARRIER w/two DOWEL 338 251 R1 and three SCREW, 624 964 C1, LH sprocket drive TD-15BP 25676 up TD-15BG 25676 up TD-15B(Custom)BGA 25001 up TD-15BPS 25676 up TD-15BGF 25676 up TD-15BGS 25676 up
	21 547 R1	BOLT, carrier mounting (14)
	270 835 R1	PLUG, sq-soc pipe
	624 964 C1	SCREW, hex-soc-ov-pt puller (8)
6	334 767 R31	CARRIER w/two DOWEL 338 251 R1, and three SCREW, 624 964 C1, LH sprocket drive (together with two SEALING RING, 319 922 R1 or 360 610 R1 will work for 334 767 R21) TD-15BP 6001 to 25675 TD-15BG 7260 to 25675 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 25675 TD-15BGF 21281 to 25675 TD-15BGS 21676 to 25675
6	628 056 C91	CARRIER w/two DOWEL 338 251 R1 and three SCREW 624 964 C1, RH sprocket drive TD-15BP 25676 up TD-15BG 25676 up TD-15B(Custom)BGA 25001 up TD-15BPS 25676 up TD-15BGF 25676 up TD-15BGS 25676 up
	21 547 R1	BOLT, carrier mounting (14)
	270 835 R1	PLUG, 3/4" sq-soc-pipe
	624 964 C1	SCREW, hex soc-ov-pt puller (8)
6	334 768 R31	CARRIER w/two DOWEL 338 251 R1 and three SCREW 624 964 C1, RH sprocket drive (Together with two SEALING RING 319 922 R1 or 360 610 R1 will work for 334 767 R21) TD-15BP 6001 to 25675 TD-15BG 7260 to 25675 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 25675 TD-15BGF 21281 to 25675 TD-15BGS 21676 to 25675
	21 547 R1	BOLT, carrier mounting (will work for NUT, 334 742 R1 and STUD, 331 936 R1) (28)
	270 835 R1	PLUG, 3/4" sq-soc pipe (2)
	624 964 C1	SCREW, hex-soc-ov-pt puller (6)
7	338 251 R1	DOWEL (4)
8	272 980 R91	BEARING, pinion gear inner (2)
9	654 718 C1	PINION, sprocket drive TD-15BP 25676 up TD-15BG 25676 up TD-15B(Custom)BGA 25001 up TD-15BPS 25676 up TD-15BGF 25676 up TD-15BGS 25676 up
9	611 475 C1	PINION, sprocket drive (together with OIL SEAL, 610 867 C91, will work for PINION, 334 196 R1) (2)

Continued in next column

FINAL DRIVE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
	611 475 C1	PINION (Cont'd) TD-15BP 6001 to 25675 TD-15BG 7260 to 25675 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 25675 TD-15BGF 21281 to 25675 TD-15BGS 21676 to 25675
10	141 129	DOWEL, pinion seal driving (used with PINION, 334 196 R1) (2)
11	324 015 R91	BEARING, pinion gear outer (2)
12	612 783 C93	CARRIER, sprocket drive gear (together w/"O" RING, 707 220 R1, SPACER, 628 289 C1 and three snap RING, 331 867 R1 will work for CARRIER, 343 180 R12)(together w/"O" RING, 707 220 R1 and SPACER, 628 289 C1 will work for CARRIER, 612 783 C91 and 612 783 C92) (2) TD-15BP 21366 up (2) TD-15BG 21366 up (2) TD-15B(Agr)BGA 21366 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 21366 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
	325 291 R1	BOLT, sprocket drive gear dowel (8)
	454 522 R1	NUT, Esna (16)
	179 890	SCREW, 1/2 x 2-1/4" hex hd. cap (8)
13	606 598 C92	SEAL, sprocket drive outer (quad ring type) (optional with 702 659 C91) (2) TD-15BP 22001 up (2) TD-15BG 22001 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 22001 up (2) TD-15BGF 22001 up (2) TD-15BGS 22001 up
13	702 659 C92	SEAL, sprocket drive outer seal (metal face type) (optional with 606 598 C92) (2) TD-15BP 22001 up (2) TD-15BG 22001 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 22001 up (2) TD-15BGF 22001 up (2) TD-15BGS 22001 up
13	606 876 C92	KIT, sprocket drive outer seal rebuilding (Consists of two RUBBER QUAD RINGS and installation PAMPHLET, 1 085 294 R1) (Service Kit for SEAL, 606 598 C92) TD-15BP 22001 up TD-15BG 22001 up TD-15B(Custom)BGA 25001 up TD-15BPS 22001 up TD-15BGF 22001 up TD-15BGS 22001 up
13	702 547 C2	KIT, sprocket drive outer seal rebuilding (Consists of two RUBBER RINGS and Installation PAMPHLET, 1 085 367 R1) (Service Kit for SEAL, 702 659 C92) TD-15BP 22001 up TD-15BG 22001 up TD-15B(Agr)BGA 25001 up TD-15BPS 22001 up TD-15BGF 22001 up TD-15BGS 22001 up
14	325 276 R1	GEAR, sprocket drive (2)
15	325 283 R1	RETAINER, bull gear bearing (2)
	179 884	1/2 x 1-3/8" hex-hd cap SCREW (12)
	103 323	1/2" lock WASHER (12)
16	324 027 R91	BEARING, sprocket drive gear (2)

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
17	321 638 R1	RING, sprocket drive gear bearing retainer snap (2) TD-15BP 6001 to 21365 (2) TD-15BG 7260 to 21365 (2) TD-15B(Agr)BGA 7260 to 21365 (2) TD-15BPS 9371 to 21365
17	331 867 R1	RING, sprocket drive gear bearing retainer snap (2) TD-15BP 21366 up (2) TD-15BG 21366 up (2) TD-15B(Agr)BGA 21366 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 21366 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
18	343 076 R21	COVER w/three SCREW, 19 860 R1, sprocket drive carrier (2) TD-15BP 20648 to 21264 (2) TD-15BG 20648 to 21238 (2) TD-15B(Agr)BGA 20648 to 21238 (2) TD-15BPS 20648 to 21264 (Order COVER, 343 076 R31, twenty-two SCREW, 271 565 and six SCREW, 604 585 C1)
	330 530 R1	BOLT, sprocket drive cover (22)
	19 860 R1	SCREW, hex-soc-ov-pt set (6)
18	343 076 R31	COVER w/three SCREW, 624 965 C1 sprocket drive carrier (2) TD-15BP 21265 to 22000 (2) TD-15BG 21239 to 22000 (2) TD-15B(Agr)BGA 21239 to 25000 (2) TD-15BPS 21265 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000
	624 965 C1	SCREW, hex-soc-ov-pt set (6)
	271 565	SCREW, 5/8 x 2-3/4" hex-hd cap (22)
18	616 121 C21	COVER w/three SCREW, 624 965 C1 sprocket drive carrier (2) TD-15BP 22001 up (2) TD-15BG 22001 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 22001 up (2) TD-15BGF 22001 up (2) TD-15BGS 22001 up
19	338 260 R91	BEARING, sprocket drive inner roller (2)
20	324 026 R92	PLATE w/four "O" RING, 347 278 R1 and GASKET, 347 277 R1, wear (2) TD-15BP 6001 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000
21	347 278 R1	"O" RING, drive pin (8) TD-15BP 6001 to 22000 (8) TD-15BG 7260 to 22000 (8) TD-15B(Agr)BGA 7260 to 25000 (8) TD-15BPS 9371 to 22000 (8) TD-15BGF 21281 to 22000 (8) TD-15BGS 21676 to 22000
21A	347 277 R1	GASKET, wear plate snap on (2) TD-15BP 6001 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
22	324 025 R92	OIL SEAL ASSY (2) TD-15BP 6001 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 22000 (2) TD-15BCF 21281 to 22000 (2) TD-15BGS 21676 to 22000
22A	347 275 R1	GASKET, oil seal back-up (2) TD-15BP 6001 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000
22B	347 276 R1	"O" RING, oil seal (.242 x .386 x .072) (8) TD-15BP 6001 to 22000 (8) TD-15BG 7260 to 22000 (8) TD-15B(Agr)BGA 7260 to 25000 (8) TD-15BPS 9371 to 22000 (8) TD-15BGF 21281 to 22000 (8) TD-15BGS 21676 to 22000
23	331 869 R1	SPACER, sprocket drive cover bearing (2)
24	343 079 R1	CARRIER, sprocket (2) TD-15BP 6001 to 22000 (2) TD-15BG 7260 to 22000 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 22000 (2) TD-15BGF 21281 to 22000 (2) TD-15BGS 21676 to 22000
24	616 125 C2	CARRIER, sprocket (2) TD-15BP 22001 up (2) TD-15BG 22001 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 22001 up (2) TD-15BGF 22001 up (2) TD-15BGS 22001 up
25	324 044 R1	RING, planet carrier sealing (2)
26	325 299 R31	SPROCKET w/three SCREW, 624 964 C1 (Not for machines equipped with severe service suspension)
26	327 889 R31	SPROCKET w/three SCREW, 624 964 C1, cut-away (Not for machines equipped with severe service suspension) (2)
	20 548 R1	5/8 x 1-3/4" hex-hd cap SCREW (type 8) (12)
	20 065 R1	5/8 x 2-1/2" hex-hd cap SCREW (type 8) (8)
	624 964 C1	SCREW, hex-soc-oc-pt puller (6)
26	624 498 C91	SPROCKET w/three SCREW 624 964 C1 machines equipped with severe service suspension)
27	343 500 R91	BEARING, outer sprocket drive (2)
28	331 870 R1	HUB, sprocket drive (2)
29	331 864 R1	SHIM, bearing retainer (.0149) (X)
29	331 865 R1	SHIM, bearing retainer (.0070) (X)
29	331 866 R1	SHIM, bearing retainer (.0040) (X)
30	331 868 R1	PLATE, bearing retainer (2)
31	338 997 R1	BOLT, 5/8 x 2-1/4" taper-hd (12)

(X) - As Required.

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
32	309 816 R1	LOCK, retainer plate bolt (6) 3/8 x 1" hex-hd cap SCREW (12)
33	309 815 R1	PLATE, sprocket drive ring (6)
34	331 887 R1	GEAR, sprocket drive ring (2)
35	325 290 R1	PLATE, planet gear shaft bolt lock (6) TD-15BP 6001 to 21330 (6) TD-15BG 7260 to 21330 (6) TD-15B(Agr)BGA 7260 to 21330 (6) TD-15BPS 9371 to 21330
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (6)
	631 558 R1	SCREW, hex-hd cap (6)
36	325 289 R1	PLATE, planet gear shaft clamp (6) TD-15BP 6001 to 21330 (6) TD-15BG 7260 to 21330 (6) TD-15B(Agr)BGA 7260 to 21330 (6) TD-15BPS 9371 to 21330
37	334 773 R1	SPACER, planet gear bearing (6)
38	290 808 R91	CONE, planet gear roller bearing (12)
39	61 336 R1	CUP, planet gear roller bearing (12)
40	334 770 R1	GEAR, planet (6)
41	336 447 R1	RING, planet gear bearing snap (6)
42	334 775 R31	CARRIER w/three SCREW, 624 964 C1, planet gear (2) TD-15BP 6001 to 21330 (2) TD-15BG 7260 to 21330 (2) TD-15B(Agr)BGA 7260 to 21330 (2) TD-15BPS 9371 to 21330 (Order the following parts - 1 CARRIER 612 685 C11 3 SHAFT 612 684 C1 3 PIN 141 199 3 NUT 19 256 R1 3 RING 382 432 R1)
	270 835 R1	PLUG, 3/4" sq-soc (2)
	20 548 R1	5/8 x 1-3/4" hex-hd cap SCREW (type 8) (12)
	20 065 R1	5/8 x 2-1/2" hex-hd cap SCREW (type 8) (8)
	624 964 C1	SCREW, hex-soc-ov-pt puller (6)
42	612 685 C11	CARRIER w/three SCREW 624 964 C1, planet gear (2) TD-15BP 21331 up (2) TD-15BG 21331 up (2) TD-15B(Agr)BGA 21331 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 21331 up (2) TD-15BCF 21281 up (2) TD-15BGS 21676 up
	270 835 R1	PLUG, 3/4" sq-soc (2)
	20 548 R1	5/8 x 1-3/4" hex-hd cap SCREW (type 8) (12)
	20 065 R1	5/8 x 2-1/2" hex-hd cap SCREW (type 8) (8)
	624 964 C1	SCREW, hex-soc ov-pt. puller (6)
43	325 297 R1	DOWEL, planet carrier (8)
43A	325 297 R1	DOWEL, sprocket (8)
44	325 287 R1	WASHER, dowel (16)
45	382 432 R1	"O" RING, planet gear shaft (2 x 2-1/4 x 1/8") (used with SHAFT 612 684 C1) (6)
45	343 922 R1	"O" RING, planet gear shaft sealing (2-1/8 x 2-3/8 x 1/8") (used with SHAFT 616 232 C1) (6)
46	616 232 C1	SHAFT, planet gear (oversize) (refer to planet gear shaft 334 744 R1 for ordering procedure for oversize shaft) (6) TD-15BP 6001 to 21330 (6) TD-15BG 7260 to 21330 (6) TD-15B(Agr)BGA 7260 to 21330 (6) TD-15BPS 9371 to 21330

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - CONTINUED		
46	612 684 C1	SHAFT, planet gear (6) TD-15BP 21331 up (6) TD-15BG 21331 up (6) TD-15B(Agr)BGA 21331 to 25000 (6) TD-15B(Custom)BGA 25001 up (6) TD-15BPS 21331 up (6) TD-15BGF 21281 up (6) TD-15BGS 21676 up
46	334 774 R1	SHAFT, planet gear (6) TD-15BP 6001 to 21330 (6) TD-15BG 7260 to 21330 (6) TD-15B(Agr)BGA 7260 to 21330 (6) TD-15BPS 9371 to 21330 (Order the following parts for standard shaft) 1 SHAFT 612 684 C1 1 PIN 141 199 1 NUT 19 256 R1 1 RING 382 432 R1 1 DRAWING, rework IZG-7926) (Order the following parts for oversize shaft) 3 SHAFT 616 232 C1 3 NUT 19 256 R1 3 PIN 141 199 3 RING 343 922 R1 1 RING 324 044 R1 1 DRAWING, planet gear carrier and shaft IZG-8586 1 DRAWING, planet gear carrier rework IZG-8587)
47	141 201	DOWEL, planet shaft (6) TD-15BP 6001 to 21330 (6) TD-15BG 7260 to 21330 (6) TD-15B(Agr)BGA 7260 to 21330 (6) TD-15BPS 9371 to 21330
47	141 199	PIN, planet gear shaft lock (6) TD-15BP 21331 up (6) TD-15BG 21331 up (6) TD-15B(Agr)BGA 21331 to 25000 (6) TD-15B(Custom)BGA 25001 up (6) TD-15BPS 21331 up (6) TD-15BGF 21281 up (6) TD-15BGS 21676 up
48	324 052 R1	RING, sun gear retainer snap (2) TD-15BP 6001 to 21365 (2) TD-15BG 7260 to 21365 (2) TD-15B(Agr)BGA 7260 to 21365 (2) TD-15BPS 9371 to 21365
48	331 867 R1	RING, sun gear retainer snap (2) TD-15BP 21366 up (2) TD-15BG 21366 up (2) TD-15B(Agr)BGA 21366 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 21366 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
49	331 871 R2	GEAR, sun (2)
50	331 867 R1	RING, sun gear retainer snap (2)
51	19 256 R1	NUT, planet gear shaft (Esna) (6) TD-15BP 21331 up (6) TD-15BG 21331 up (6) TD-15B(Agr)BGA 21331 to 25000 (2) TD-15B(Custom)BGA 25001 up (6) TD-15BPS 21331 up (6) TD-15BGF 21281 up (2) TD-15BGS 21676 up
52	707 220 R1	"O" RING, carrier spacer (3 x 3-1/4 x 1/8") (used w/CARRIER, 612 783 C93) (2)

FINAL DRIVE

MEMORANDA

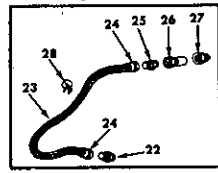
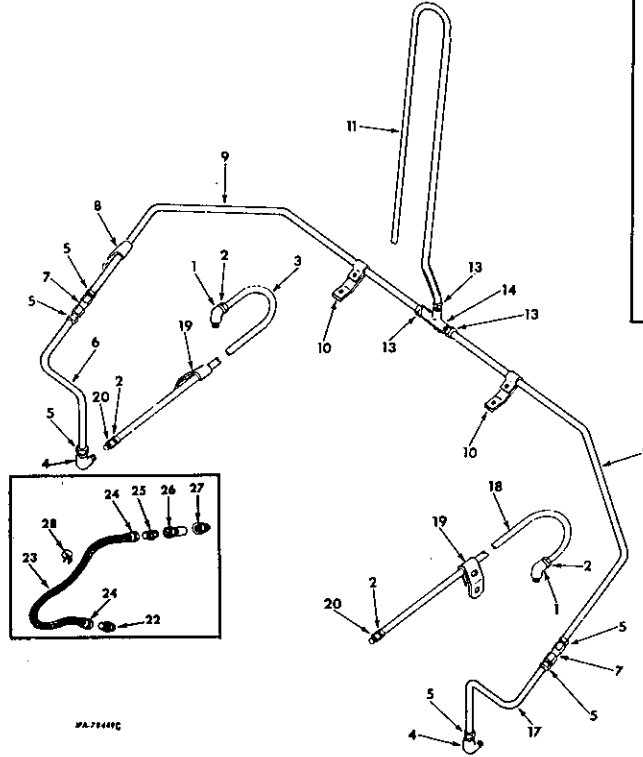
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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SPROCKET DRIVE AND SPROCKET - CONTINUED

53	628 289 C1	SPACER, carrier (Used w/CARRIER, 612 783 C93) (2)
142 756		GASKET, oil level plug (2)
347 277 R1		GASKET, wear plate snap-on (order 324 026 R92) (2)
18 524 R1		PLUG, 1-1/4" sq-soc (oil level plug) (2)
337 795 R1		RING, break cooling part seal (2) TD-15BP 6001 to 20429 (2) TD-15BG 7260 to 20429 (2) TD-15B(Agr)BGA 7260 to 20429 (2) TD-15BPS 9371 to 20429
337 795 R1		RING, sprocket drive vent port sealing (2) TD-15BP 6001 to 20429 (2) TD-15BG 7260 to 20429 (2) TD-15B(Agr)BGA 7260 to 20429 (2) TD-15BGS 9371 to 20429
319 922 R1		RING, sprocket drive vent port sealing (optional with 360 610 R1) (2) TD-15BP 20430 up (2) TD-15BG 20430 up (2) TD-15B(Agr)BGA 20430 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGS 20430 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
360 610 R1		RING, sprocket drive vent port sealing (optional with 319 922 R1) (2) TD-15BP 20430 up (2) TD-15BG 20430 up (2) TD-15B(Agr)BGA 20430 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGS 20430 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
319 922 R1		RING, break cooling port seal (optional with 360 610 R1) (2) TD-15BP 20430 up (2) TD-15BG 20430 up (2) TD-15B(Agr)BGA 20430 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGS 20430 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
360 610 R1		RING, break cooling port seal (optional with 319 922 R1) (2) TD-15BP 20430 up (2) TD-15BG 20430 up (2) TD-15B(Agr)BGA 20430 to 25000 (2) TD-15B(Custom)BGA 25001 up (2) TD-15BGS 20430 up (2) TD-15BGF 21281 up (2) TD-15BGS 21676 up
324 044 R1		RING, planet gear carrier seal (used with SHAFT, 616 232 C1) (2)
654 706 C1		DAM, oil (used with CARRIER 628 055 C91 and CARRIER 628 056 C91) TD-15BP 25676 up TD-15BG 25676 up TD-15B(Custom)BGA 25001 up TD-15BPS 25676 up TD-15BCF 25676 up TD-15BGS 25676 up

FINAL DRIVE

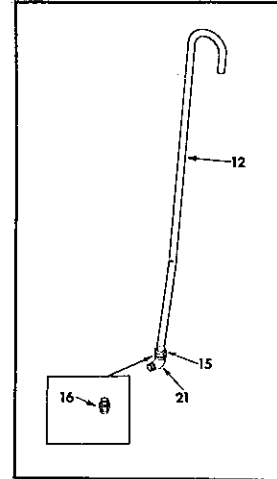
SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS
 TD-15BP 6299 to 20612 except 20376 to 20515
 TD-15BG 7260 to 20420
 TD-15B(Agr)BGA 7260 to 20420
 TD-15BPS 9371 to 20612 except 20376 to 20515



PA7144C

FINAL DRIVE

SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS — CONTINUED
 TD-15BP 6299 to 20612 except 20376 to 20515
 TD-15BG 7260 to 20420
 TD-15B(Agr)BGA 7260 to 20420
 TD-15BPS 9371 to 20612 except 20376 to 20515



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	37 167 D	ELBOW, sprocket drive vent tube (Used with TUBES, 341 743 R2 and 341 744 R2) (2)
1	606 930 C1	ELBOW, sprocket drive vent tube (Used with TUBES, 607 838 C11 and 607 839 C11) (2)
2	37 165 D	NUT, sprocket drive vent tube elbow (Used with TUBES, 341 743 R2 and 341 744 R2) (4)
2	265 205 R1	NUT, sprocket drive vent tube elbow (Used with TUBES, 607 838 C11 and 607 839 C11) (4)
	265 204 R1	SLEEVE, sprocket drive vent tube (4)
3	607 839 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 RH sprocket drive vent (together with CONNECTOR, 606 929 C1 and ELBOW, 606 930 C1 will work for 341 744 R2)
4	37 167 D	ELBOW, sprocket drive vent tube (in main frame) (2) TD-15BG 7260 to 9622 (2) TD-15B(Agr)BGA 7260 to 9622 (2) TD-15BP 6299 to 9622 (2) TD-15BPS 9371 to 9622

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4	606 930 C1	ELBOW, sprocket drive vent tube (in main frame) (2) TD-15BO 9623 to 20612 except 20376 to 20515 (2) TD-15BG 9623 to 20420 (2) TD-15B(Agr)BGA 9623 to 20420 (2) TD-15BPS 9623 to 20612 except 20376 to 20515
5	37 165 D	NUT, sprocket drive vent tube elbow and CONNECTOR (6) TD-15BP 6299 to 9622 (6) TD-15BG 7260 to 9622 (6) TD-15B(Agr)BGA 7260 to 9622 (6) TD-15BPS 9371 to 9622
5	265 205 R1	NUT, sprocket drive vent tube elbow and CONNECTOR (6) TD-15BP 9623 to 20612 except 20376 to 20515 (6) TD-15BG 9623 to 20420 (6) TD-15B(Agr)BGA 9623 to 20420 (6) TD-15BPS 9623 to 20612 except 20376 to 20515
	265 204 R1	SLEEVE, sprocket drive vent tube (6)

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - CONTINUED		
TD-15BP 6299 to 20612 except 20376 to 20515		
TD-15BG 7260 to 20420		
TD-15B(Agr)BGA 7260 to 20420		
TD-15BPS 9371 to 20612 except 20376 to 20515		
6	341 884 R1	TUBE, RH sprocket drive vent (rear frame to CONNECTOR) (See NOTE) TD-15BP 6299 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
6	607 830 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH sprocket drive vent (rear frame to union) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BG 9623 to 20420 TD-15B(Agr)BGA 9623 to 20420 TD-15BPS 9623 to 20612 except 20376 to 20515
7	55 999 D	CONNECTOR, sprocket drive vent tube (2) TD-15BP 6299 to 9622 (2) TD-15BG 7260 to 9622 (2) TD-15B(Agr)BGA 7260 to 9622 (2) TD-15BPS 9371 to 9622
7	603 867 C1	UNION, sprocket drive vent tube (2) TD-15BP 9623 to 20612 except 20376 to 20515 (2) TD-15BG 9623 to 20420 (2) TD-15B(Agr)BGA 9623 to 20420 (2) TD-15BPS 9623 to 20612 except 20376 to 20515
8	255 007 R1	CLAMP, sprocket drive vent tube (Used only on power shift crawler tractors)
	109 084	1/4" NUT
	179 791	1/4 x 1/2" hex-hd cap SCREW
	179 833	3/8 x 1/2" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	103 321	3/8" lock WASHER
9	341 885 R1	TUBE, sprocket drive vent (connector to tee) (See NOTE) (2) TD-15BP 6299 to 9622 (2) TD-15BG 7260 to 9622 (2) TD-15B(Agr)BGA 7260 to 9622 (2) TD-15BPS 9371 to 9622
9	607 831 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, sprocket drive vent (union to tee) (2) TD-15BP 9623 to 20612 except 20376 to 20515 (2) TD-15BG 9623 to 20420 (2) TD-15B(Agr)BGA 9623 to 20420 (2) TD-15BPS 9623 to 20612 except 20376 to 20515
10	254 473 R1	CLIP, sprocket drive vent (2)
	109 084	1/4" NUT (2)
	179 791	1/4 x 1/2" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
11	341 886 R1	TUBE, sprocket drive vent (tee-to-tank) (See NOTE) TD-15BP 6299 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
11	607 832 C1	TUBE, sprocket drive vent (tee to tank) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BG 9623 to 20420 TD-15B(Agr)BGA 9623 to 20420 TD-15BPS 9623 to 20612 except 20376 to 20515
12	341 887 R1	TUBE, rear frame vent TD-15BP 6299 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622 (Order BREATHING, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576)

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - CONTINUED		
TD-15BP 6299 to 20612 except 20376 to 20515		
TD-15BG 7260 to 20420		
TD-15B(Agr)BGA 7260 to 20420		
TD-15BPS 9271 to 20612 except 20376 to 20515		
12	607 833 C1	TUBE, rear frame vent TD-15BP 9623 to 20100 TD-15BG 9623 to 20100 TD-15B(Agr)BGA 9623 to 20100 TD-15BPS 9623 to 20100 (Order BREATHING, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576)
12	611 041 C1	TUBE, rear frame vent TD-15BP 20101 to 20612 except 20376 to 20515 TD-15BG 20101 to 20420 TD-15B(Agr)BGA 20101 to 20420 TD-15BPS 20101 to 20612 except 20376 to 20515 (Order BREATHING, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576)
13	37 165 D	NUT, sprocket drive vent tube tee (3) TD-15BP 6299 to 9622 (3) TD-15BG 7260 to 9622 (3) TD-15B(Agr)BGA 7260 to 9622 (3) TD-15BPS 9371 to 9622
13	265 205 R1	NUT, sprocket drive vent tube tee (3) TD-15BP 9623 to 20612 except 20376 to 20515 (3) TD-15BG 9623 to 20420 (3) TD-15B(Agr)BGA 9623 to 20420 (3) TD-15BPS 9623 to 20612 except 20376 to 20515
14	265 204 R1	SLEEVE, sprocket drive vent tube (3)
14	252 628 R1	TEE, sprocket drive vent tube TD-15BP 6299 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
14	606 933 C1	TEE, sprocket drive vent tube TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BG 9623 to 20420 TD-15B(Agr)BGA 9623 to 20420 TD-15BPS 9623 to 20612 except 20376 to 20515
15	37 165 D	NUT, rear frame vent tube connector (Used with TUBE, 341 887 R1)
15	265 205 R1	NUT, rear frame vent tube connector (Used with TUBE, 607 833 C1 and 611 041 C1)
16	265 204 R1	SLEEVE, rear frame vent tube
16	38 026 DM	CONNECTOR, rear frame vent tube (Used with TUBE, 341 887 R1)
16	606 819 C1	CONNECTOR, rear frame vent tube (Used with TUBE, 607 833 C1)
NOTE - To update machines equipped with LH sprocket drive vent TUBE, 341 883 R1, RH sprocket drive vent TUBE, 341 884 R1, sprocket drive connector to tee vent TUBE, 341 885 R1 and sprocket drive tee to tank vent TUBE 341 886 R1, Serial Numbers TD-15BP 6299 to 9622, TD-15BG 7260 to 9622, TD-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622		
(Order the following parts -		
	1	CONNECTOR 606 819 C1
	2	CONNECTOR 603 867 C1
	2	ELBOW 606 931 C1
	1	NUT 265 205 R1
	1	SLEEVE 265 204 R1
	1	TEE 606 933 C1
	1	TUBE 607 829 C11
	1	TUBE 607 830 C11
	2	TUBE 607 831 C11
	1	TUBE 607 832 C11

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - CONTINUED		
TD-15BP 6299 to 20612 except 20376 to 20515		
TD-15BG 7260 to 20420		
TD-15B(Agr)BGA 7260 to 20420		
TD-15BPS 9371 to 20612 except 20376 to 20515		
17	341 883 R1	TUBE, LH sprocket drive vent (rear frame to CONNECTOR) (see NOTE) TD-15BP 6299 to 9622 TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622 TD-15BPS 9371 to 9622
17	607 829 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH sprocket drive vent (rear frame to union) TD-15BP 9623 to 20612 except 20376 to 20515 TD-15BG 9623 to 20420 TD-15B(Agr)BGA 9623 to 20420 TD-15BPS 9623 to 20612 except 20376 to 20515
18	607 838 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 LH socket drive vent (together with CONNECTOR, 606 929 C1 and ELBOW, 606 930 C1 will work for 341 743 R2)
19	255 007 R1 109 084 179 789 179 833 103 319 103 321	CLAMP, sprocket drive vent tube (2) 1/4" NUT (2) 1/4 x 3/8" hex-hd cap SCREW (2) 3/8 x 1/2" hex-hd cap SCREW (2) 1/4" lock WASHER (2) 3/8" lock WASHER (2)
20	39 584 D	CONNECTOR, sprocket drive carrier vent tube (Used with TUBES, 341 743 R2 and 341 744 R2) (2)
20	606 929 C1	CONNECTOR, sprocket drive carrier vent tube (Used with TUBES, 607 838 C11 and 607 839 C11) (2)
21	606 845 C1	ELBOW, rear frame vent tube (Used with TUBE, 611 041 C1)
22	9 402 681	ADAPTER, RH sprocket drive vent hose (in rear frame) (part of improvement PACKAGE, 607 693 C91)
23	338 658 R91	HOSE w/two FITTING, 338 661 R91, RH sprocket drive vent (HOSE, 1/4" ID x 21" long including FITTINGS) (part of improvement PACKAGE, 607 693 C91)
23		HOSE w/o FITTINGS, cut length 1/4" ID x 19-1/2" long cut from bulk Hose No. 338 653 R1
24	338 661 R91	FITTING, male pipe (2)
25	9 409 908	ADAPTER, RH sprocket drive vent hose (part of improvement PACKAGE, 607 693 C91)
26	56 597 D	CONNECTOR, RH sprocket drive vent tube (part of improvement PACKAGE, 607 693 C91)
27	19 986 R1	NUT, RH sprocket drive vent tube (part of improvement PACKAGE, 607 693 C91)

FINAL DRIVE

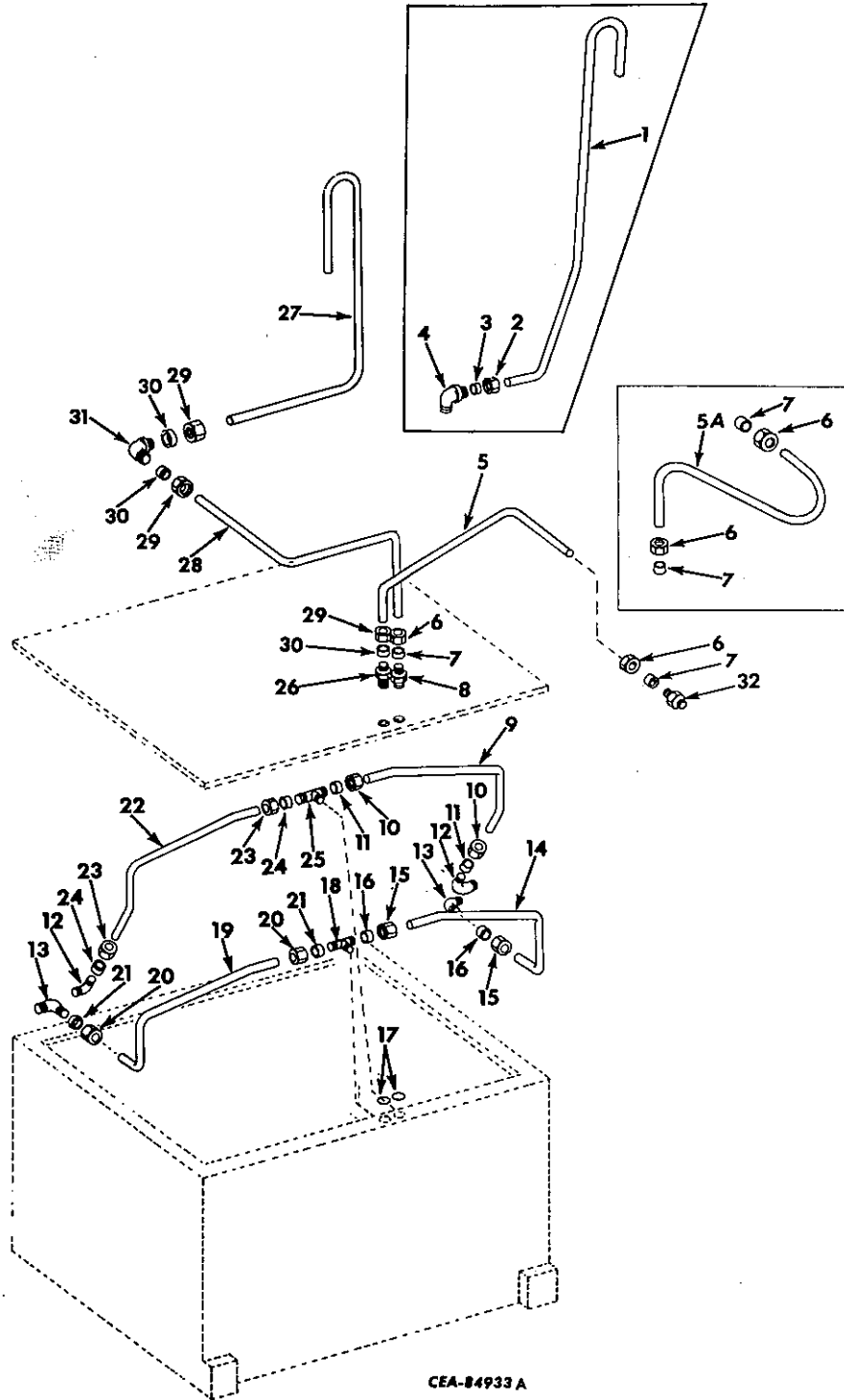
REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - CONTINUED		
TD-15BP 6299 to 20612 except 20376 to 20515		
TD-15BG 7260 to 20420		
TD-15B(Agr)BGA 7260 to 20420		
TD-15BPS 9371 to 20612 except 20376 to 20515		
28	362 120 R1 338 653 R1	CLIP, RH sprocket drive vent hose (part of improvement PACKAGE, 607 693 C91) HOSE, 1/4" ID bulk (X)
(X) - Order Cut Length As Required.		
NOTE - To update machines equipped with LH sprocket drive vent TUBE, 341 883 R1, RH sprocket drive vent TUBE, 341 884 R1, sprocket drive connector to tee vent TUBE, 341 885 R1 and sprocket drive tee to tank vent TUBE, 341 886 R1, Serial Numbers TD-15BP 6299 to 9622, TD-15BG 7260 to 9622, TD-15B(Agr)BGA 7260 to 9622 and TD-15BPS 9371 to 9622.		
(Order the following parts -		
1	CONNEC-TOR	606 819 C1
2	CONNEC-TOR	603 867 C1
2	ELBOW	606 931 C1
1	NUT	265 205 R1
1	SLEEVE	265 204 R1
1	TEE	606 933 C1
1	TUBE	607 829 C11
1	TUBE	607 830 C11
2	TUBE	607 831 C11
1	TUBE	607 832 C11)

FINAL DRIVE

OIL COOLING BRAKE PIPING, SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS
 TD-15BP 20613 up, also 20376 to 20515
 TD-15BG 20421 up
 TD-15B(Agr)BGA 20421 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up
 TD-15BPS 20613 up also 20376 to 20515

FINAL DRIVE

OIL COOLING BRAKE PIPING, SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS -- CONTINUED
 TD-15BP 20613 up, also 20376 to 20515
 TD-15BG 20421 up
 TD-15B(Agr)BGA 20421 to 25000
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 21281 up
 TD-15BGS 21676 up
 TD-15BPS 20613 up also 20376 to 20515



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FINAL DRIVE

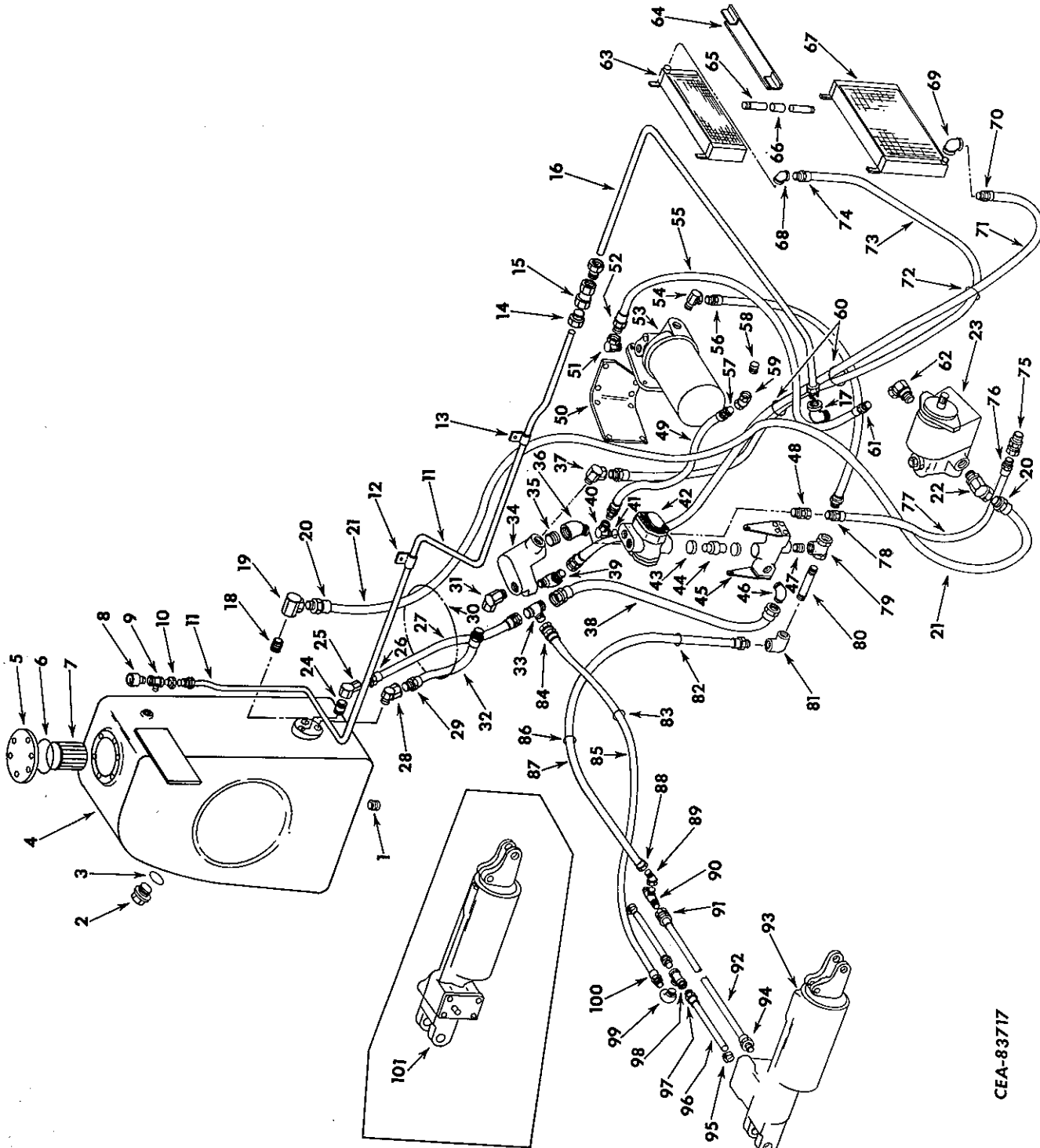
REF. NO.	I. H. PART NUMBER	DESCRIPTION
OIL COOLING BRAKE PIPING, SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - Continued		
TD-15BP 20613 up also 20376 to 20515		
TD-15BG 20421 up		
TD-15B(Agr)BGA 20421 to 25000		
TD-15B(Custom)BGA 25001 up		
TD-15BPS 20613 up also 20376 to 20515		
TD-15BGF 21281 up		
TD-15BGS 21676 up		
1	611 041 C11	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1 rear frame vent TD-15BP 20613 to 21472 also 20376 to 20515 TD-15BG 20421 to 21476 TD-15B(Agr)BGA 20421 to 21476 TD-15BPS 20613 to 21472 also 20376 to 20515 (Order BREATHER, 324 042 R91, ELBOW, 105 423 and PLUG, 444 576)
2	265 205 R1	NUT (used with TUBE, 611 041 C11)
3	265 204 R1	SLEEVE (used with TUBE 611 041 C11)
4	606 845 C1	ELBOW, 90° main frame vent tube (used with TUBE, 611 041 C11)
5	611 157 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, regulator to rear main frame cover (used only on power shift and sideboom crawler tractors) TD-15BP 20613 to 25487 TD-15BPS 20613 to 25487
5	624 996 C91	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, regulator to rear main frame cover (used only on power shift and sideboom crawler tractors) TD-15BP 25488 up TD-15BPS 25488 up
5A	611 152 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, transmission case tee to rear main frame cover (used only on manual shift, Agr and Custom crawler tractors)
6	265 205 R1	NUT (2)
7	265 204 R1	SLEEVE (2)
8	606 819 C1	CONNECTOR, rear main frame cover tube
9	611 156 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH sprocket drive vent
10	265 205 R1	NUT (2)
11	265 204 R1	SLEEVE (2)
12	606 845 C1	ELBOW, sprocket drive vent tube (inside main frame) (2)
13	610 473 C2	ELBOW, brake cooling oil inlet restrictor (inside of main frame) (2)
14	611 154 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH brake cooling oil
15	265 205 R1	NUT (2)
16	265 204 R1	SLEEVE (2)
17	350 667 R1	RING, 11/16 x 7/8 x 3/32" vent and oil port sealing (2)
18	610 472 C1	TEE, brake cooling oil inlet (inside main frame)

FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OIL COOLING BRAKE PIPING, SPROCKET DRIVE AND REAR FRAME VENT TUBES AND CONNECTIONS - Continued		
TD-15BP 20613 up also 20376 to 20515		
TD-15BG 20421 up		
TD-15B(Agr)BGA 20421 to 25000		
TD-15B(Custom)BGA 25001 up		
TD-15BPS 20613 up also 20376 to 20515		
TD-15BGF 21281 up		
TD-15BGS 21676 up		
19	611 153 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH brake cooling oil
20	265 205 R1	NUT (2)
21	265 204 R1	SLEEVE (2)
22	611 155 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH sprocket drive vent
23	265 205 R1	NUT (2)
24	265 204 R1	SLEEVE (2)
25	610 472 C1	TEE, sprocket drive vent tube (inside main frame)
26	606 819 C1	CONNECTOR, sprocket drive vent tube
27	611 150 C11	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1, sprocket drive upper vent (used only on power shift and sideboom crawler tractors)
27	650 345 C91	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1, sprocket drive upper vent (used only on manual shift, Agr, and Custom crawler tractors)
28	611 151 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, sprocket drive lower vent
29	265 205 R1	NUT (3)
30	265 204 R1	SLEEVE (3)
31	610 694 C1	ELBOW, sprocket drive upper and lower vent tube
32	606 929 C1	CONNECTOR, regulator outlet tee (brake cooling)

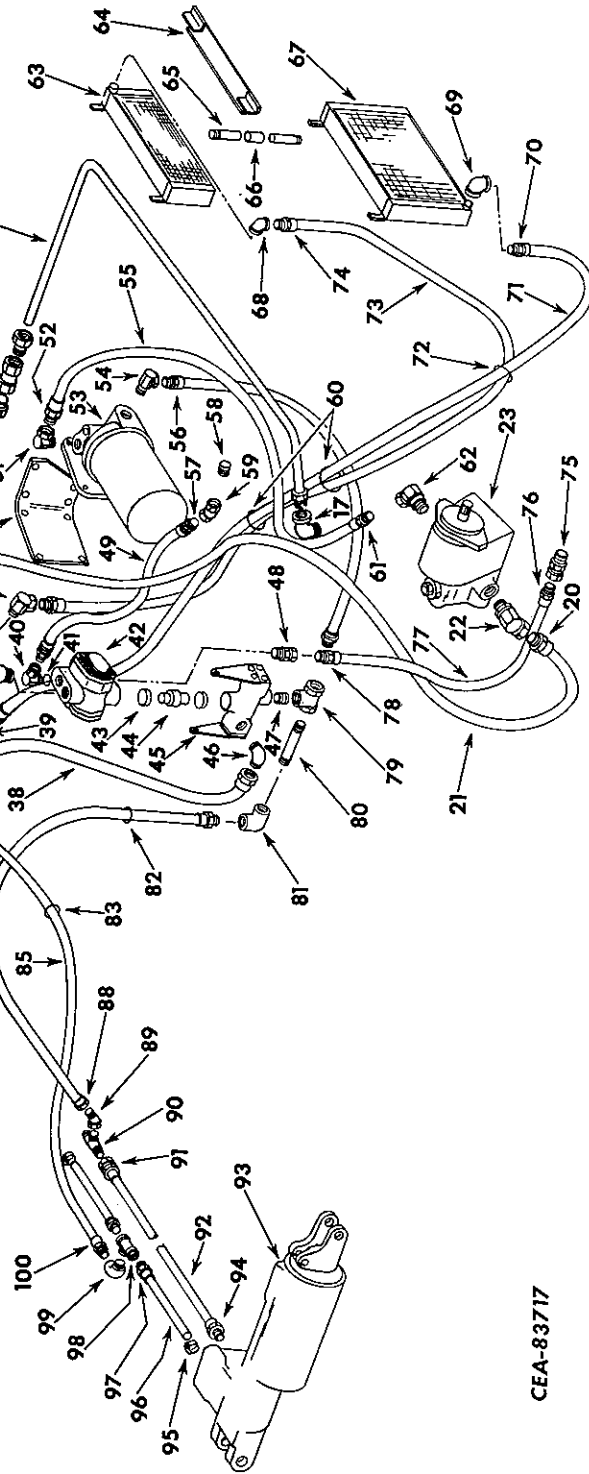
HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS
(For Manual Shift Crawler Tractors)
TD-15BG 7260 to 8337
TD-15B(Agr)BGA 7260 to 8337



HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS - CONTINUED
(For Manual Shift Crawler Tractors)
TD-15BG 7260 to 8337
TD-15B(Agr)BGA 7260 to 8337



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HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 7260 to 8337 TD-15B(Agr)BGA 7260 to 8337		
1	273 469	PLUG, reservoir drain
2	294 118 R2	PLUG, reservoir fill
3	253 172 R1	RING, fill plug sealing
4	331 816 R91	RESERVOIR (Order the following parts -
	1	BRACKET 604 351 C11
	1	CAP 303 761 R91
	1	ELBOW 336 503 R91
	1	ELBOW 144 112
	1	ELBOW 606 845 C1
	1	ELBOW 603 880 C91
	1	FILTER 346 820 R91
	1	NIPPLE 219 676
	6	SCREW, 3/8 x 7/8" hex-hd cap
	1	RESERVOIR 604 342 C92
	2	WASHER, 3/8" lock
	6	WASHER, 13/32 x 13/16 x 16 ga)
179 840		3/8 x 1-1/8" hex-hd cap SCREW (3)
179 887		1/2 x 1-3/4" hex-hd cap SCREW (4)
103 321		3/8" lock WASHER (3)
103 323		1/2" lock WASHER (4)
103 343		17/32 x 1-1/16 x 13 ga WASHER (4)
5	331 828 R1	COVER, suction filter service hole
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (3)
6	252 094 R1	RING, cover sealing
7	321 029 R91	FILTER, reservoir suction
8	324 042 R1	FILTER, breather
9	444 240	TEE, 1/4" reservoir breather outlet (optional with 444 241)
9	444 241	TEE, 1/4" reservoir breather outlet (optional with 444 240)
10	38 026 DM	CONNECTOR, reservoir breather tee
	37 165 D	NUT, reservoir breather connector
11	604 372 C1	TUBE, clutch housing vent (rear)
12	27 385 D	CLIP, vent tube
	102 635	3/8" NUT
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
13	263 514 R91	CLIP, vent tube
14	37 165 D	NUT, vent tube union (2)
15	55 999 D	CONNECTOR, vent tube union
16	604 371 C1	TUBE, clutch housing vent (front)
17	37 167 D	ELBOW, clutch housing vent
	37 165 D	NUT, clutch housing vent
18	192 470	NIPPLE, 3/4 x 1-3/8" pipe
19	338 959 R91	ELBOW, reservoir outlet
20		FITTING, male pipe (Not Furnished Separately)
21	347 506 R91	HOSE w/two FITTING, suction filter to suction pump (HOSE, 3/4" ID x 72" long including FITTINGS)
22	338 941 R91	ELBOW, pump inlet
	368 269 R1	RING, pump inlet elbow sealing

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 7260 to 8337 TD-15B(Agr)BGA 7260 to 8337		
23	347 803 R91	PUMP, hydraulic pressure (for components see list of parts under details of "Pressure Pump")
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
24	192 067	NIPPLE, reservoir drain inlet
25	347 519 R91	ELBOW, reservoir drain inlet
26		FITTING, male pipe (Not Furnished Separately)
27	347 648 R91	HOSE w/two FITTING, tee to reservoir drain (HOSE, 3/8" ID x 17" long including FITTINGS)
28	347 522 R91	ELBOW, reservoir tank drain inlet
29	319 752 R91	FITTING, male pipe
30	341 954 R1	CLAMP, reservoir hose (on LH seat side sheet)
	102 635	3/8" NUT
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16 x 16 ga WASHER
31	293 351 R91	ELBOW, thermo-by-pass outlet to reservoir
32	606 159 C91	HOSE w/two FITTING, 319 752 R91, thermo by-pass to reservoir (HOSE, 1/2" ID x 28" long including FITTINGS)
32		HOSE w/o FITTINGS, cut length 1/2" ID x 24-3/4" long cut from bulk Hose No. 319 709 R1
33	9 402 955	TEE, 3/8" x 37° flared tube drain line
34	345 598 R1	HOUSING, thermo by-pass valve
34	324 174 R91	VALVE, thermo by-pass (Order the following parts -
	1	ADAPTER 338 784 R91
	1	ADAPTER 606 466 C91
	1	CLIP 301 819 R1)
35	192 082	NIPPLE (3/4 x 1-1/2" pipe) thermo by-pass outlet
36	144 121	ELBOW, 3/4 x 45° street
37	347 522 R91	ELBOW, cooler to thermo by-pass valve inlet
38	606 158 C91	HOSE w/two FITTING, regulator to tee drain (HOSE, 3/8" ID x 14" long including FITTINGS)
39	338 596 R91	ADAPTER, thermo by-pass outlet to cooler hose
40	338 596 R91	ADAPTER, motor outlet
	570 828 R1	RING, motor outlet elbow sealing
41	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
42	347 511 R91	MOTOR and PUMP ASSY, hydrostatic (for components see list of parts under details of "Hydraulic Motor and Pump")
		1/2 x 1-1/8" hex-hd cap SCREW (2)
		1/2 x 1-1/2" hex-hd cap SCREW (2)
		1/2" lock WASHER (4)
43	9 403 294	NUT, 1/2" bulkhead union (2)
44	9 409 485	UNION, regulator valve bulkhead
	570 828 R1	"O" RING, .644 x .918 x .087" (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 7260 to 8337 TD-15B(Agr)BGA 7260 to 8337		
45	345 596 R91	REGULATOR, hydraulic pressure (for components see list of parts under details of "Hydraulic Pressure Regulator")
46	9 402 838	ELBOW, 3/8" x 90° (37° flared tube) regulator drain
47	219 643	NIPPLE, regulator valve inlet (1/2 x 1-3/8")
48	338 696 R91 570 828 R1	ADAPTER, motor inlet RING, motor inlet elbow sealing
49	606 694 C91	HOSE w/two FITTINGS, 319 752 R91, motor to clutch housing (HOSE, 1/2" ID x 20" long including FITTINGS)
49		HOSE w/o FITTINGS, cut length 1/2" ID x 16-3/4" long cut from bulk HOSE, 319 709 R1
50	337 565 R1 102 637 179 883 103 323	BRACKET, pressure filter 1/2" NUT (3) 1/2 x 1-1/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)
51	297 581 R91	ELBOW, filter inlet
52	319 752 R91	FITTING, male pipe
53		FILTER, pressure (for components see list of parts under details of "Pressure Filter")
	179 886 102 637 103 323	1/2 x 1-5/8" hex-hd cap SCREW (4) 1/2" NUT (4) 1/2" lock WASHER (4)
54	346 505 R91	ELBOW, filter outlet
55	606 694 C91	HOSE w/two FITTING, 319 752 R91, pump to pressure filter (HOSE, 1/2" ID x 20" long including FITTINGS)
55		HOSE w/o FITTINGS, cut length 1/2" ID x 16-3/4" long cut from bulk HOSE, 319 709 R1
56	606 159 C91	HOSE w/two FITTING, 319 752 R91, pressure filter to regulator tee (HOSE, 1/2" ID x 28" long including FITTINGS)
56		HOSE w/o FITTINGS cut length 1/2" ID x 24-3/4" long cut from bulk HOSE, 319 709 R1
	319 752 R91	FITTING, male pipe (2)
57	319 752 R91	FITTING, male pipe (2)
58	219 643	NIPPLE, 1/2 x 1-1/4" pipe
59	347 520 R1	ADAPTER, clutch housing inlet
60	326 078 R1 179 835 103 321 103 341	CLAMP, cooler hose (on front frame) (2) 3/8 x 5/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga WASHER (2)
61	319 752 R91	FITTING, male pipe
62	338 596 R91	ELBOW, hydraulic pump pressure
63	338 961 R93 181 364 103 321 103 341	COOLER, engine clutch oil (not used with short core radiators) 3/8NF x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16" x 16 ga WASHER (4)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Crawler Tractors) TD-15BG 7260 to 8337 TD-15B(Agr)BGA 7260 to 8337		
64	341 898 R91 181 365 103 321 103 341	BAFFLE w/SEAL, 343 154 R1, dust (not used with short core radiators) 3/8NF x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga WASHER (2)
65	325 717 R1	NIPPLE, cooler outlet (not used with short core radiator) (2)
66	324 169 R91	JOINT w/two GASKET, 346 563 R1 and RETAINER, 346 564 R1, cooler pipe nipple (not used with short core radiator)
67	338 960 R93	COOLER, engine clutch oil lower (not used with short core radiators)
67	343 501 R91 181 364 103 321 103 341	COOLER, engine clutch oil lower (used with short core radiators) 3/8NF x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16 x 16 ga WASHER (4)
68	347 518 R91	ELBOW, upper cooler outlet
69	347 518 R91	ELBOW, lower cooler inlet
70		FITTING, male pipe (Not Furnished Separately)
71	347 509 R91	HOSE w/two FITTING, thermo by-pass to oil cooler (HOSE, 1/2" ID x 133" long including FITTINGS)
72	326 078 R1 102 635 179 839 103 321 103 341	CLAMP, cooler hose 3/8" NUT 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER 13/32 x 13/16" x 16 ga WASHER
73	347 509 R91	HOSE w/two FITTING, oil cooler to thermo by-pass (HOSE, 1/2" ID x 133" long including FITTINGS)
74		FITTING, male pipe (Not Furnished Separately)
75	285 232 R91	ADAPTER, clutch housing outlet
76		FITTING, male pipe (Not Furnished Separately)
77	347 505 R91	HOSE w/two FITTING, clutch housing to suction filter (HOSE, 1" ID x 40" long including FITTINGS)
78		FITTING, male pipe (Not Furnished Separately)
79	347 516 R91	TEE, regulator valve inlet
80	345 768 R1	NIPPLE, filter to regulator valve
81	347 518 R91	ELBOW, filter to regulator valve
82	345 608 R1	SPACER, regulator support long
83	341 985 R1	CLIP, booster drain hose (mount with LH brake inspection cover rear outside bolt)
84		FITTING, female pipe (Not Furnished Separately)
85	347 649 R91	HOSE w/two FITTING, booster to tee drain (HOSE, 3/8" ID x 34" long including FITTINGS)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC LINES AND CONNECTIONS - CONTINUED
 (For Manual Shift Crawler Tractors)
 TD-15BG 7260 to 8337
 TD-15B(Agr)BGA 7260 to 8337

86	345 608 R1	SPACER, hose support
87	347 646 R91	HOSE w/two FITTING, regulator to steering booster (HOSE, 3/8" ID x 36" long including FITTINGS)
88		FITTING, female swivel (Not Furnished Separately)
89	9 410 241	ELBOW, 3/8" x 45° swivel
90	9 403 098	TEE, LH booster inlet
91		FITTING, female swivel (Not Furnished Separately)
92	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
92		HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319 707 R1)
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe
93	334 811 R91	BOOSTER, hydraulic steering RH (for components see list of parts under details of "Hydraulic Steering Booster")
	53 783 H	PIN, booster pivot rear
	103 385	1/8 x 1" cotter PIN
94		FITTING, male pipe (Not Furnished Separately)
95	279 025 R91	CLAMP, hose (2)
96	606 175 C91	HOSE w/one FITTING, booster drain (HOSE, 3/8" ID x 5-1/2" long including FITTING)(2)
97		FITTING, male pipe (Not Furnished Separately)
98	144 083	TEE, 1/4" booster drain
99	144 112	ELBOW, 1/4" x 90° street booster tee to booster drain hose
100	341 985 R1	CLAMP, booster drain hose 3/8NF x 3/8" hex-hd cap SCREW 3/8" lock WASHER
101	334 810 R91	BOOSTER, hydraulic steering LH (for components see list of parts under details of "Hydraulic Steering Booster")
	53 783 H	PIN, booster pivot rear
	103 385	1/8 x 1" cotter PIN
	341 985 R1	CLAMP, filter to booster hose (on front bolt of planetary inspection cover)
	346 563 R1	GASKET, pipe nipple (2)
	319 709 R1	HOSE, 1/2" ID bulk (X)
	444 574	PLUG, 1/2" sltd-hdls pipe (pressure filter)
	346 564 R1	RETAINER, seal (2)
	346 566 R1	RETAINER, pump joint
	346 601 R1	SEAL, pump joint
	343 154 R1	SEAL, baffle dust (not used with short core radiator)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC LINES AND CONNECTIONS - CONTINUED
 (For Manual Shift Crawler Tractors)
 TD-15BG 7260 to 8337
 TD-15B(Agr)BGA 7260 to 8337

345 607 R1	SPACER, regulator support short
179 830	5/16 x 3" hex-hd cap SCREW
179 827	5/16 x 2-1/4" hex-hd cap SCREW
103 320	5/16" lock WASHER (2)
262 011 R1	SPACER, booster drain hose clamp
604 561 C1	SUPPORT, booster drain hose clamp
103 320	5/16" lock WASHER
106 261	5/16 x 3/4" x 16 ga WASHER
624 538 C91	PACKAGE, Transmission Filter Field Improvement (must be used in conjunction with Field Improvement Package 703 369 C91) TD-15BG 7260 to 8337 TD-15B(Agr)BGA 7260 to 8337 (Consists of the following parts -
1	BRACKET 604 373 C21
1	CONNECTOR 606 819 C1
1	PIPE 144 151
1	ELBOW 606 845 C1
1	FILTER 702 624 C91
1	NIPPLE 334 762 R1
1	TUBE 616 456 C11)

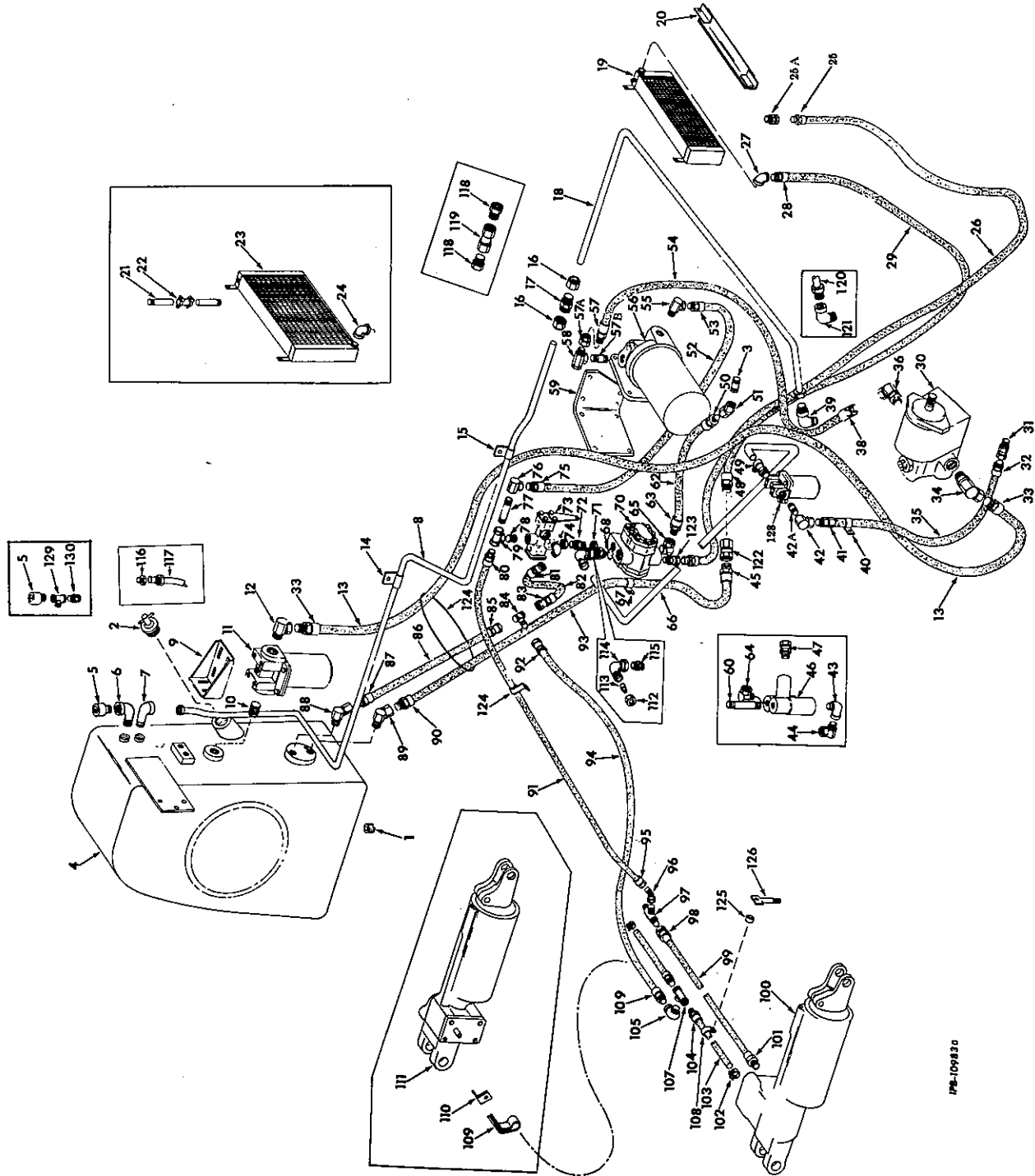
(X) - Order Cut Length As required.

HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS
 (For Manual Shift Tractors)
 TD-15BG 8338 to 22062
 TD-15B(Agr)BGA 8338 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062

HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS - CONTINUED
 (For Manual Shift Tractors)
 TD-15BG 8338 to 22062
 TD-15B(Agr)BGA 8338 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062



IPR-109830

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
1	271 849 R1	PLUG, reservoir tank drain
2	303 761 R91	CAP, reservoir tank filler tube
3	219 643	NIPPLE, 1/2 x 1-1/4" clutch inlet
4	604 342 C92	TANK, reservoir (together with ELBOW, 606 845 C1 and ELBOW 144 112 will work for TANK 604 342 C91)
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (3)
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 323	1/2" lock WASHER (4)
	103 343	17/32 x 1-1/16" x 13 ga. WASHER (4)
5	324 042 R91	FILTER, breather
6	144 112	ELBOW, reservoir tank breather outlet TD-15BG 21404 to 22062 TD-15(Agr)BGA 21404 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
7	606 845 C1	ELBOW, clutch housing vent tube (in reservoir)
	265 205 R1	NUT, reservoir tank breather connector
	265 204 R1	SLEEVE, reservoir tank breather connector TD-15BG 21404 to 22062 TD-15B(Agr)BGA 21404 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
8	607 849 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, clutch housing vent (rear) TD-15BG 9623 to 22062 TD-15B(Agr)BGA 9623 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
9	604 351 C11	BRACKET, filter support
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 341	13/32 x 13/16" x 13 ga WASHER (4)
	103 321	3/8" lock WASHER (4)
10	451 730	NIPPLE, filter inlet (1 x 1-3/4") TD-15BG 7260 to 20041 TD-15B(Agr)BGA 7260 to 20041
10	219 676	NIPPLE, filter inlet (1 x 2") TD-15BG 20042 to 22062 TD-15B(Agr)BGA 20042 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
11	610 795 C91	FILTER, reservoir suction (for components see list of parts under details of "Suction Filter") 179 838 3/8 x 7/8" hex-hd cap SCREW (4) 103 341 13/32 x 13/16" x 16 ga WASHER (4) 103 321 3/8" lock WASHER (4)
12	336 503 R91	ELBOW, suction filter outlet
13	610 174 C91	HOSE w/two FITTING, suction filter to suction pump (HOSE, 3/4" ID x 76" long including FITTINGS)
14	27 385 D	CLIP, vent tube
	102 635	3/8" NUT
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
15	263 514 R91	CLIP, vent tube

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
16	265 205 R1	NUT, vent tube union
	265 204 R1	SLEEVE, vent tube (2) TD-15BG 9623 to 22062 (2) TD-15B(Agr)BGA 9623 to 25000 (2) TD-15BGF 21281 to 22062 (2) TD-15BGS 21676 to 22062
17	603 867 C1	UNION, vent tube TD-15BG 9623 to 22062 TD-15B(Agr)BGA 9623 to 25000
18	607 848 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, clutch housing vent (front) TD-15BG 9623 to 22062 TD-15B(Agr)BGA 9623 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
19	338 961 R93	COOLER, engine clutch oil upper (not used with short core radiators) 3/8NF x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16" x 16 ga WASHER (4)
20	341 898 R91	BAFFLE w/SEAL, 343 154 R1, dust (not used with short core radiators) 181 364 3/8NF x 1-1/8" hex-hd cap SCREW (2) 103 321 3/8" lock WASHER (2) 103 341 13/32 x 13/16" x 16 ga WASHER (2)
21	325 717 R1	NIPPLE, cooler outlet (not used with short core radiators) (2) TD-15BG 8338 to 20266 (2) TD-15B(Agr)BGA 8338 to 20266
22	324 169 R91	JOINT w/two GASKET, 346 563 R1 and RETAINER 346 564 R1, cooler pipe nipple (not used with short core radiator) TD-15BG 8338 to 20266 TD-15B(Agr)BGA 8338 to 20266
23	338 960 R93	COOLER, engine clutch oil lower (not used with short core radiators) TD-15BG 8338 to 20266 TD-15B(Agr)BGA 8338 to 20266 (Order the following parts - 1 ADAPTER 347 521 R91 1 HOSE 610 549 C91)
23	343 501 R91	COOLER engine clutch oil lower (used with short core radiators) 181 364 3/8NF x 1" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4) 103 341 13/32 x 13/16" x 16 ga WASHER (4)
24	347 518 R91	ELBOW, lower cooler inlet (used with COOLER, 338 960 R91) TD-15BG 8338 to 20266 TD-15B(Agr)BGA 8338 to 20266
24	347 518 R91	ELBOW, lower cooler inlet (used with COOLER, 343 501 R91) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
25	319 752 R91	FITTING, male pipe

HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
25A	347 521 R91	ADAPTER, cooler outlet swivel TD-15BG 20267 to 22062 TD-15B(Agr)BGA 20267 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21276 to 22062
26	606 023 C91	HOSE w/two FITTINGS 319 752 R91, hydro-pump outlet (Hose, 1/2" ID x 120" long including FITTINGS) TD-15BG 8338 to 20266 TD-15B(Agr)BGA 8338 to 20266
26		HOSE w/o FITTINGS, cut length, 1/2" ID x 116-3/4" long, cut from bulk Hose No. 319 709 R1
26	610 549 C91	HOSE w/two FITTINGS, 319 752 R91, hydro-pump outlet (Hose, 1/2" ID x 136" long including FITTINGS) TD-15BG 20267 to 22062 TD-15B(Agr)BGA 20267 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
26		HOSE w/o FITTINGS, cut length, 1/2" ID x 132-3/4" long, cut from bulk Hose No. 319 709 R1
27	347 518 R91	ELBOW, upper cooler outlet
28	319 752 R91	FITTING, male pipe (2)
29	606 023 C91	HOSE w/two FITTING, 319 752 R91, oil cooler outlet (HOSE, 1/2" ID x 120" long including FITTINGS)
29		HOSE w/o FITTINGS, cut length 1/2" ID x 116-3/4" long cut from bulk HOSE No. 319 709 R1
30	347 803 R91	PUMP, hydraulic pressure (for components see list of parts under details of "Pressure Pump") 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
31	285 232 R91	ADAPTER, clutch housing outlet (used with HOSE, 606 157 C91)
31	297 300 R1	ADAPTER, clutch housing outlet (used with HOSE, 347 505 R91)
32		FITTING, male pipe (Not Furnished Separately)
33		FITTING, male pipe (Not Furnished Separately)
34	338 941 R91 368 269 R1	ELBOW, pump inlet RING, pump inlet elbow sealing
35	347 505 R91	HOSE w/two FITTING, clutch housing to suction filter (HOSE, 1" ID x 40" long including FITTINGS) TD-15BG 7260 to 8336 TD-15B(Agr)BGA 7260 to 8336
35	606 157 C91	HOSE w/two FITTING, clutch housing to suction filter (HOSE, 1" ID x 30" long including FITTINGS) TD-15BG 8337 to 22062 TD-15B(Agr)BGA 8337 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062

HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to *		
36	603 879 C91 570 828 R1	ELBOW, hydraulic pump pressure RING, hydraulic pump pressure elbow sealing
38	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (used with HOSE, 606 022 C91)
39	606 930 C1 265 205 R1 265 204 R1	ELBOW, clutch housing vent NUT, clutch housing vent SLEEVE, clutch housing vent TD-15BG 9623 to 22062 TD-15B(Agr)BGA 9623 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
40	308 872 R1	CLIP (on gear shifter housing) 13/32 x 13/16" x 16 ga WASHER
41		FITTING, male pipe (Not Furnished Separately)
42	297 141 R1	ELBOW, filter inlet swivel TD-15BG 7260 to 20041 TD-15B(Agr)BGA 7260 to 20041
42	297 247 R91	ELBOW, filter inlet swivel TD-15BG 20042 to 22062 TD-15B(Agr)BGA 20042 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
42A	451 730	NIPPLE, 1 x 1-3/4" pipe (at filter inlet) TD-15BG 22042 to 22062 TD-15B(Agr)BGA 20042 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
43	127 961	ELBOW, 1/2 x 90° street, thermal valve to reservoir inlet TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
44	293 351 R91	ELBOW, thermal valve to reservoir inlet TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
45	319 752 R91	FITTING, male pipe (Aeroquip No. 4412-8-10)
46	345 598 R1	HOUSING, thermal valve TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018 (Order the following parts - 1 ADAPTER 338 784 R91 1 ADAPTER 606 466 C91 1 BRACKET 604 937 C91 1 CLIP 301 819 R1 2 NUT, 3/8" 1 STRAP 345 597 R2 2 WASHER, 3/8" lock)
46	324 174 R91	VALVE ASSY, thermal by-pass TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018 (Order the following parts - 1 ADAPTER 338 784 R91 1 ADAPTER 606 466 C91 1 BRACKET 604 937 C91 1 CLIP 301 819 R1 2 NUT, 3/8" 1 STRAP 345 597 R2 2 WASHER, 3/8" lock)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
47	603 883 C91 570 828 R1	ADAPTER, thermal valve to cooler outlet RING, thermal valve to cooler outlet TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
48	319 752 R91	FITTING, male pipe (Aeroquip No. 4412-8-10)
49	603 881 C91	JOINT w/RETAINER, 346 566 R1 and SEAL, 346 601 R1, filter outlet flexible
50		FITTING, male pipe (Not Furnished Separately)
51	347 520 R91	ADAPTER, clutch housing inlet
52	606 159 C91	HOSE w/two FITTING, 319 752 R91, filter to regulator (HOSE, 1/2" ID x 28" long including FITTINGS)
52		HOSE w/o FITTINGS, cut length 1/2" ID x 24-3/4" long cut from bulk HOSE No. 319 709 R1
53	319 752 R91	FITTING, male pipe (Aeroquip No. 4412-8-10) (2)
54	606 022 C91	HOSE w/two FITTING, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 20" long including FITTINGS) TD-15BG 7260 to 8916 TD-15B(Agr)BGA 7260 to 8916
54		HOSE w/o FITTINGS, cut length 5/8" ID x 16-5/8" long cut from bulk HOSE, No. 319 710 R1
54	702 199 C91	HOSE w/two FITTING, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 16" long including FITTINGS) TD-15BG 8917 to 22062 TD-15B(Agr)BGA 8917 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
54		HOSE w/o FITTINGS, cut length 5/8" ID x 13-5/8" long cut from bulk HOSE, 319 710 R1
54	319 753 R91	FITTING, male pipe (2)
55	346 505 R91	ELBOW, filter outlet
56		FILTER, pressure (for components see list of parts under details of "Pressure Filter") 1/2" NUT (4) 1/2 x 1-5/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
56	102 637 179 886 103 323	
57	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (Used with HOSE, 606 022 C91)
57A	606 291 C91	CONNECTOR, hose to check valve (used with VALVE, 606 849 C91)
57B	611 249 C1	NIPPLE, check valve to pressure filter (used with VALVE, 606 849 C91)
58	297 581 R91	ELBOW, filter inlet TD-15BG 7260 to 8916 TD-15B(Agr)BGA 7260 to 25000
58	606 849 C91	VALVE, ball type filter inlet check TD-15BG 8917 to 22062 TD-15B(Agr)BGA 8917 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
59	337 565 R1 102 637 179 883 103 323	BRACKET, pressure filter 1/2" NUT (3) 1/2 x 1-1/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)
60	219 661	NIPPLE, hydro pump outlet (3/4 x 4") TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
61	319 752 R91	FITTING, male pipe (Aeroquip No. 4412-8-10)
62	606 694 C91	HOSE w/two FITTING, motor to clutch (HOSE, 1/2" ID x 20" long including FITTINGS)
63		FITTING, male pipe (Not Furnished Separately)
64	293 351 R91	ELBOW, cooler to thermal valve housing inlet TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
65	338 596 R91 570 828 R1	ELBOW, motor outlet RING, motor outlet elbow sealing
66	604 374 C1	TUBE, suction filter to pump
67	345 798 R1	CLIP, hose TD-15BG 7260 to 9018 TD-15B(Agr)BGA 7260 to 9018
67	611 463 R1	SPACER, clip TD-15BG 7260 to 9018 TD-15BGA 7260 to 9018
67	301 819 R1	CLIP, reservoir inlet hose TD-15BG 9019 to 22062 TD-15B(Agr)BGA 9019 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
67	604 937 C91 102 635 103 321	BRACKET, hose clip extension 3/8" NUT (2) 3/8" lock WASHER (2)
68	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
70	347 511 R91	MOTOR and PUMP ASSY, hydrostatic (for components see list of parts under details of "Hydraulic Motor and Pump") 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2 x 1-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (4)
71	9 403 294	NUT, 1/2" bulkhead union (2)
72	9 409 485 570 828 R1	UNION, regulator valve bulkhead "O" RING, .644 x .918 x .087" (2)
73		REGULATOR, hydraulic pressure (for components see list of parts under details of "Hydraulic Pressure Regulator")
74	9 402 838	ELBOW, 3/8" x 90° (37° flared tube) regulator drain
75		FITTING, male pipe (Not Furnished Separately)
76	347 522 R91	ELBOW, filter to regulator valve
77	345 768 R1	NIPPLE, filter to regulator valve
78	219 643	NIPPLE, regulator valve inlet (1/2 x 1-3/8")

HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BCF 21281 to 22062 TD-15BGS 21676 to 22062		
79	144 085	TEE, 1/2" NPT regulator valve inlet
80		FITTING, male pipe (Not Furnished Separately)
81		FITTING, female pipe (Not Furnished Separately)
82	606 158 C91	HOSE w/two FITTING, regulator to tee drain (HOSE, 3/8" ID x 14" long including FITTINGS)
83		FITTING, female pipe (Not Furnished Separately)
84	9 402 955	TEE, 3/8" x 37° flared tube drain line
85		FITTING, female pipe (Not Furnished Separately)
86	347 648 R91	HOSE w/two FITTING, tee to reservoir drain (HOSE, 3/8" ID x 17" long including FITTINGS)
87		FITTING, male pipe (Not Furnished Separately)
88	347 522 R91	ELBOW, reservoir tank inlet
89	603 880 C91	ELBOW, reservoir tank drain inlet
90	319 752 R91	FITTING, male pipe (Aeroquip No. 4412-8-10)
91	606 003 C91	HOSE w/two FITTING, regulator to booster (HOSE, 3/8" ID x 24" long including FITTINGS)
92		FITTING, female pipe (Not Furnished Separately)
93	606 024 C91	HOSE w/two FITTING, 319 752 R91, reservoir inlet (HOSE, 1/2" ID x 44" long including FITTINGS)
93		HOSE w/o FITTINGS, cut length 1/2" ID x 40-3/4" long cut from bulk HOSE No. 319 709 R1
94	347 649 R91	HOSE w/two FITTINGS, booster to tee drain (HOSE, 3/8" ID x 34" long including FITTINGS)
95		FITTING, female swivel (Not Furnished Separately)
96	9 410 254	ELBOW, 3/8" x 45° swivel
97	9 403 098	TEE, LH booster inlet
98	317 769 R91	FITTING, female swivel
99	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
99		HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319 707 R1)
100	334 811 R91	BOOSTER, hydraulic steering RH (for components see list of parts under details of "Hydraulic Steering Booster")
	53 783 H	PIN, booster pivot rear 1/8 x 1" cotter PIN
101	319 751 R91	FITTING, male pipe
102	279 025 R91	CLAMP, hose (2)
103	606 175 C91	HOSE w/one FITTING, booster drain (HOSE, 3/8" ID x 5-1/2" long including FITTING) (2)

HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BCF 21281 to 22062 TD-15BGS 21676 to 22062		
104		FITTING, male pipe (Not Furnished Separately) (2)
105	144 112	ELBOW, 1/4" x 90° street booster tee to drain booster drain hose
106		FITTING, male pipe (Not Furnished Separately)
107	144 083	TEE, 1/4" booster drain
108	301 819 R1	CLAMP, booster drain hose
	102 635	5/16" NUT
	179 819	5/16 x 1-1/8" hex-hd cap SCREW
109	341 985 R1	CLAMP, booster drain hose
	181 352	3/8NF x 3/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
110	604 560 C1	EXTENSION, booster drain hose clamp (mount on LH booster cover bolt)
111	334 810 R91	BOOSTER, hydraulic steering LH (for components see list of parts under details of "Hydraulic Steering Booster")
	53 783 H	PIN, booster pivot rear
	103 385	1/8 x 1" cotter PIN
112	9 409 528	NUT, hydraulic tube
113	272 989	FERRULE, hydraulic tube
114	9 410 812	ELBOW, hydro pump inlet swivel
115	9 410 708	CONNECTOR, hydro pump inlet swivel
116	38 026 DM	CONNECTOR, reservoir tank breather tee
	37 165 D	NUT, reservoir tank breather connector TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622
117	604 372 C1	TUBE, clutch housing vent (rear) (see NOTE) TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622
118	37 165 D	NUT, vent tube union (2) TD-15BG 7260 to 9622 (2) TD-15B(Agr)BGA 7260 to 9622
119	55 999 D	CONNECTOR, vent tube union TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622
120	604 371 C1	TUBE, clutch housing vent (front) (see NOTE) TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622
121	37 167 D	ELBOW, clutch housing vent
	37 165 D	NUT, clutch housing vent TD-15BG 7260 to 9622 TD-15B(Agr)BGA 7260 to 9622
NOTE - To Update Machines Equipped With Clutch Housing Front Vent TUBE, 604 371 C1 and Clutch Housing Rear Vent TUBE, 604 372 C1, Serial Numbers TD-15BG 7260 to 9622 and TD-15B(Agr)BGA 7260 to 9622 - (Order the following parts -		
	1	CONNEC-TOR 603 867 C1
	1	CONNEC-TOR 606 819 C1
	1	ELBOW 606 930 C1
	1	TUBE 607 848 C11
	1	TUBE 607 849 C11)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
122	606 466 C91	ADAPTER, oil cooler outlet hose TD-15BG 9019 to 22062 TD-15B(Agr)BGA 9019 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
123	338 784 R91	ADAPTER, hydro pump outlet hose TD-15BG 9019 to 22062 TD-15B(Agr)BGA 9019 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
124	341 985 R1	CLIP, booster drain hose (mount with LH brake inspection cover rear outside bolt)
125	262 011 R1	SPACER, booster drain hose clamp
126	604 561 C1	SUPPORT, booster drain hose clamp
	103 320	5/16" lock WASHER
	106 261	5/16 x 3/4" x 16 ga WASHER
127	341 954 R1	CLAMP, reservoir hose (on LH seat side sheet)
	102 635	3/8" NUT
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER
128	610 795 C91	FILTER, suction (for components see list of parts under details of "Suction Filters")
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
129	444 240	TEE, 1/4" reservoir tank breather outlet (optional with 444 241) TD-15BG 9623 to 21403 TD-15B(Agr)BGA 9623 to 21403
129	444 241	TEE, 1/4" reservoir tank breather outlet (optional with 444 240) TD-15BG 9623 to 21403 TD-15B(Agr)BGA 9623 to 21403
130	606 819 C1	CONNECTOR, reservoir tank breather tee
	265 205 R1	NUT, reservoir tank breather connector
	265 204 R1	SLEEVE, reservoir tank breather connector TD-15BG 9623 to 21403 TD-15B(Agr)BGA 9623 to 21403
	604 373 C21	BRACKET, suction filter support
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	127 507 H	SPACER
	309 929 R1	CLAMP, suction filter to suction pump hose (one on clutch housing and one on LH rear platform support bar bolt) (2)
	326 078 R1	CLAMP, cooler hose (on front frame) (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	326 078 R1	CLAMP, cooler hose (on front frame tube bracket)
	102 635	3/8" NUT
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER
	341 985 R1	CLAMP, filter to booster hose (on front bolt of planetary inspection cover)
	66 207 D	CLIP, vent tube (on reservoir tank)
	179 835	3/8 x 5/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	346 563 R1	GASKET, pipe nipple
	319 709 R1	HOSE, 1/2" ID bulk (X)
	319 710 R1	HOSE, 5/8" ID bulk (X)
	219 643	NIPPLE, clutch inlet (1/2 x 1-1/4")

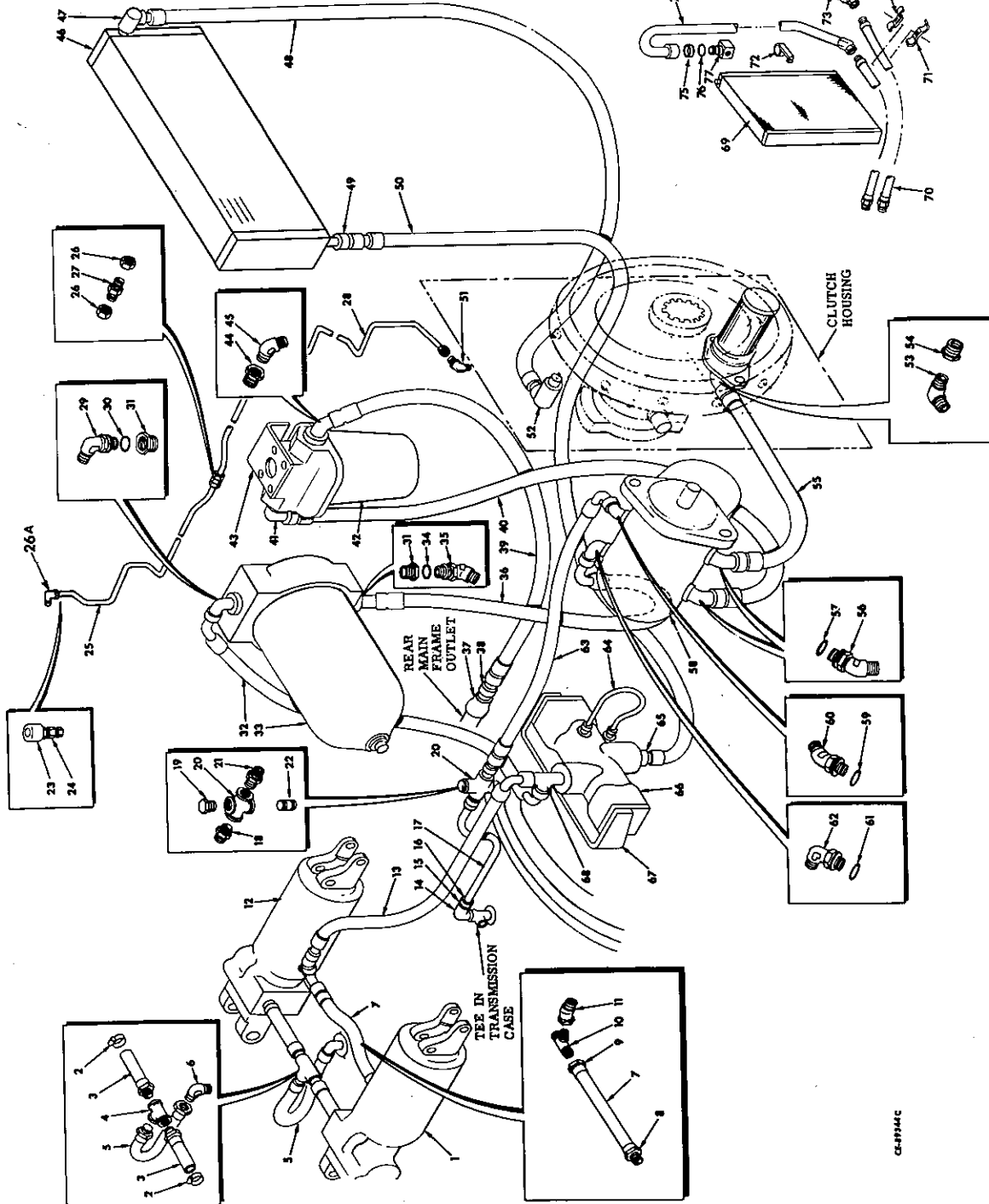
HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062		
703 369 C91		PACKAGE, clutch hydraulic system improvement (Can be used on TD-15 Gear Drive Tractors, TD-15BG and TD-15B(Agr)BGA 7260 to 8337 if Filter Improvement Package 624 538 C91 is Applied) TD-15BG 8338 to 22062 TD-15B(Agr)BGA 8338 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062 (Consists of - 1 ADAPTER 603 883 C91 1 ADAPTER 347 521 R91 1 ADAPTER 321 359 R1 2 BUSHING 144 056 1 BUSHING 144 059 1 CLAMP 301 819 R1 1 CONNECTOR 9 402 711 1 SPACER 262 011 R1 1 5/16 x 1-1/8" hex-hd cap SCREW 179 819 1 5/16" lock WASHER 103 320 1 5/16" flat WASHER 106 261 1 5/16" NUT 102 634 1 CONNECTOR 9 402 711 1 COUPLING 144 106 1 ELBOW 144 112 1 ELBOW 293 351 R91 1 ELBOW 9 402 828 1 ELBOW 9 402 864 2 ELBOW 9 402 867 2 ELBOW 9 410 977 2 ELBOW 9 411 105 2 ELBOW 9 411 107 1 FILTER 702 096 C91 4 3/8 x 1" hex-hd cap SCREW 179 839 4 3/8" lock WASHER 103 321 1 FLANGE 604 832 C1 1 GASKET 345 606 R1 1 HOSE 343 796 R91 1 HOSE 343 798 R91 1 HOSE 606 858 C91 1 HOSE 702 633 C1 1 HOSE 702 635 C1 1 HOSE 702 636 C1 1 HOSE 702 637 C1 1 HOSE 702 638 C1 1 NIPPLE 334 762 R1 1 INSTRUCTION PAMPHLET 1 085 396 R1 1 PLUG 26 988 R1 1 PLUG 432 577 1 PLUG 444 624 1 PIPE 144 151 1 PUMP 702 632 C91 2 3/8 x 1/8" hex-hd cap SCREW 179 840 2 3/8" lock WASHER 103 321 1 REDUCER 619 019 C1 2 RING 368 269 R1 1 RING 355 965 R1 1 RING 383 260 R1 4 RING 570 828 R1 1 SHAFT 606 790 C93 1 STRAINER 603 230 R92 1 SUPPORT 604 561 C1 1 TEE 619 020 C1) 444 574 PLUG, 1/2" slt-hdls pipe (pressure filter) 346 566 R1 RETAINER, pump joint 346 564 R1 RETAINER, seal 346 601 R1 SEAL, pump joint 343 154 R1 SEAL, baffle dust (not used w/short core rad.) 345 608 R1 SPACER, regulator support long 345 607 R1 SPACER, regulator support short 179 830 5/16 x 3" hex-hd cap SCREW 179 827 5/16 x 2-1/4" hex-hd cap SCREW 103 320 5/16" lock WASHER (2) (X) - Order Cut Length As Required.

HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS

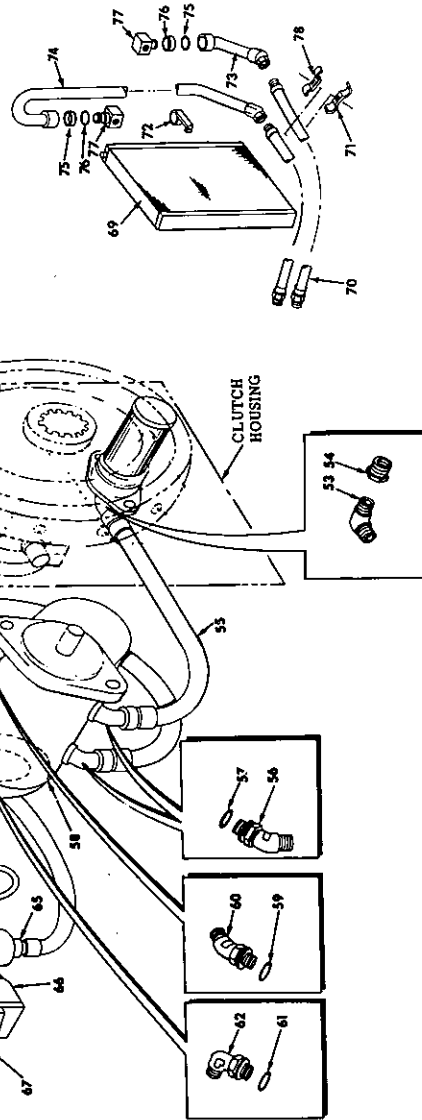
(For Manual Shift Tractors)
 TD-15BG 22063 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS - CONTINUED

(For Manual Shift Tractors)
 TD-15BG 22063 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



CE-8844C

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors)		
		TD-15BG 22063 up
		TD-15B(Custom)BGA 25001 up
		TD-15BGF 22063 up
		TD-15BGS 22063 up
1	334 811 R91 53 783 H 103 385	BOOSTER ASSY, hydraulic steering RH (for components see list of parts under details of "Hydraulic Steering Booster") PIN, booster pivot rear 1/8 x 1" cotter PIN
2	279 025 R91	CLAMP, booster drain hose (2)
3	606 175 C91	HOSE w/FITTING, booster drain (2)
4	144 083	TEE, 1/4" pipe (booster drain)
5	606 858 C91	HOSE, booster drain tee-to-rear main frame
6	9 402 864	ELBOW, 90° x 3/8" tube x 1/4" pipe (in rear main frame inlet)
7	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster-to-booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
7		HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319 707 R1)
8	319 751 R91	FITTING, male pipe
9	317 769 R91	FITTING, female swivel
10	9 403 098	TEE, LH booster inlet
11	9 410 254	ELBOW, 3/8" x 45° swivel
12	334 810 R91 53 783 H 103 385	BOOSTER ASSY, hydraulic steering LH (for components see list of parts under details of "Hydraulic Steering Booster") PIN, booster pivot rear 1/8 x 1" cotter PIN
13	702 633 C1	HOSE, regulator-to-boosters
14	606 845 C1	ELBOW, 90° x 3/8 x 1/4" (in tee on transmission case) (not used on custom crawler tractors)
14	9 402 864	ELBOW, trans case hose (in tee 263 804 R1 on trans case) (used on custom crawler tractors)
15	265 204 R1	SLEEVE (2)
16	265 205 R1	NUT (2)
17	616 456 C11	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, transmission cover-to-case (not used for custom crawler tractor)
17	606 158 C91	HOSE w/two fittings transmission cover to case (hose 3/8" ID x 14" long including fittings) (Used on custom crawler tractors)
18	606 819 C1	CONNECTOR, 3/8 x 1/4" (in cross)
19	127 951	PLUG, 1/4" pipe (in cross)
20	144 151	CROSS, 1/4" pipe (in transmission inlet nipple)
21	321 359 R1	ADAPTER, 1/2" tube x 1/4" pipe (pump-to-transmission hose at transmission)
22	334 762 R1	NIPPLE, 1/4 x 7/8" pipe (transmission inlet)
23	324 042 R91	FILTER, breather TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656
24	610 707 C1	COUPLING, vent tube-to-breather TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656
25	650 144 C91	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, clutch housing vent (together with ELBOW 606 845 C1 will work for TUBE 616 420 C91)
26	265 205 C1	NUT (2) TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656
	265 204 C1	SLEEVE (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors)		
		TD-15BG 22063 up
		TD-15B(Custom)BGA 25001 up
		TD-15BGF 22063 up
		TD-15BGS 22063 up
26A	606 845 C1	ELBOW, clutch housing vent tube (in rear main frame cover) TD-15BG 25657 up TD-15BGA 25001 up TD-15BGF 25657 up TD-15BGS 25657 up
27	603 867 C1	UNION, vent tube TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656
28	650 144 C91	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, clutch housing vent (together with ELBOW 606 845 C1 will work for TUBE 607 848 C11)
29	9 410 977	ELBOW, 90° x 1/2" tube (filter-to-regulator hose at filter)
30	570 828 R1	RING, elbow sealing
31	619 019 C1	REDUCER, pressure filter inlet and outlet
32	702 637 C1	HOSE, pressure filter-to-regulator tee
33	702 096 C91 179 838 103 321	FILTER ASSY, pressure (for components see list of parts under details of "Pressure Filters") 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
34	570 828 R1	RING, elbow sealing
35	9 411 105	ELBOW, 45° x 1/2" tube (pump-to-filter hose at filter)
36	702 636 C1	HOSE, charge pump-to-pressure filter
37	144 106	COUPLING, 1-1/4 x 3/4" reduced (rear main frame outlet)
38	9 402 711	CONNECTOR, 3/4" tube x 3/4" pipe (filter hose at rear main frame)
39	343 796 R91	HOSE, rear main frame-to-suction filter
40	343 798 R91	HOSE, suction filter-to-charge pump
41	9 402 867	ELBOW, 90° x 3/4" tube x 3/4" NPT (filter-to-pump hose at filter)
42	702 624 C91 179 837 103 321	FILTER ASSY, charge pump suction (also listed with suction FILTER) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
43	604 373 R21 102 635 179 839 103 321	BRACKET, suction filter support 3/8" NUT (2) 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
44	144 056	BUSHING, 1 x 3/4" NPT reducer (suction filter inlet)
45	9 402 828	ELBOW, 45° x 3/4" tube x 3/4" NPT (suction filter inlet)
46	338 961 R93 181 364 103 321 103 341	COOLER, engine clutch oil 3/8NF x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32" flat WASHER (4)
47	347 518 R91	ELBOW, cooler outlet

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 22063 up TD-15B(Custom)BGA 25001 up TD-15BGF 22063 up TD-15BGS 22063 up		
48	606 023 C91	HOSE w/two FITTING, 319 752 R91, oil cooler-to-clutch housing (HOSE, 1/2" ID x 120" long including FITTINGS)
48		HOSE w/o FITTINGS, cut length, 1/2" ID x 116-3/4" long cut from bulk HOSE No. 319 709 R1
	319 752 R91	FITTING, male pipe (2)
49	347 521 R91	ADAPTER, oil cooler inlet
50	610 549 C91	HOSE w/two FITTINGS, 319 732 R91, regulator-to-oil cooler (HOSE, 1/2" ID x 136" long including FITTINGS)
50		HOSE w/o FITTINGS, cut length 1/2" ID x 132-3/4" long, cut from bulk HOSE No. 319 709 R1
	319 752 R91	FITTING, male pipe (2)
51	606 930 C1	ELBOW, clutch housing vent
52	293 351 R91	ELBOW, 90° x 1/2" pipe (clutch housing inlet)
53	9 402 867	ELBOW, 90° x 3/4" tube (clutch-to-pump hose at clutch housing)
54	144 056	BUSHING, 1 x 3/4" pipe reducer (clutch housing outlet)
55	702 635 C91	HOSE, clutch housing-to-pump
56	9 411 107	ELBOW, 45° x 3/4" tube (pump inlet and outlet) (2)
57	368 269 R1	RING, elbow sealing (2)
58	702 632 C91	PUMP ASSY, hydraulic pressure
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
59	570 828 R1	RING, elbow sealing
60	9 411 105	ELBOW, 45° x 1/2" tube (scavenging pump outlet)
61	570 828 R1	RING, elbow sealing
62	9 410 977	ELBOW, 90° x 1/2" tube (pump outlet)
63	702 638 C1	HOSE, scavenging pump to-transmission cross
64	616 459 C11	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, regulator overflow
	606 819 C1	CONNECTOR, 3/8 x 1/4" (regulator overflow tube) (2)
	265 205 R1	NUT (2)
	265 204 R1	SLEEVE (2)
65	603 883 C91	ADAPTER, 3/4NF x 1/2" pipe (regulator outlet)
66		REGULATOR, hydraulic pressure (for components see list of parts under details of "Hydraulic Pressure Regulator")
	179 864	7/16 x 1-3/4" hex-hd cap SCREW
	179 858	7/16 x 1" hex-hd cap SCREW
	103 322	7/16" lock WASHER (2)
67	616 458 C1	BRACKET, regulator support
	179 818	5/16 x 1" hex-hd cap SCREW (4)
	179 864	7/16 x 1-3/4" hex-hd cap SCREW
	179 858	7/16 x 1" hex-hd cap SCREW
	103 320	5/16" lock WASHER (4)
	103 322	7/16" lock WASHER (2)
	616 457 C11	ADAPTER w/PLUG, 444 691 transmission regulator
	444 691	PLUG, 1/4" pipe

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Manual Shift Tractors) TD-15BG 22063 up TD-15B(Custom)BGA 25001 up TD-15BGF 22063 up TD-15BGS 22063 up		
68	619 020 C1	TEE, regulator inlet (Weatherhead No. C5755X8X8X8)
69	610 559 C92	COOLER, oil to air
	312 565 R1	BUSHING, cooler hinge (2)
	270 711 R1	SHIM, cooler hinge (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	102 637	1/2" NUT (2)
	179 858	7/16 x 1" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
	103 342	15/32 x 59/64" x 16 ga. WASHER (2)
	103 343	17/32 x 1-1/16 x 16 ga. WASHER (2)
70	625 795 C91	HOSE w/FITTING, 347 957 R91 and FITTING, 319 793 R91 cooler to clutch (hose 5/8" ID x 98" long including FITTINGS)
70		HOSE w/o FITTINGS cut length 5/8" ID x 94-5/8" long cut from bulk hose No. 319 710 R1
71	625 793 C91	HOSE w/FITTING, 347 957 R91 and FITTING, 319 793 R91 regulator to cooler (hose 5/8" ID x 84" long including FITTINGS)
71		HOSE w/o FITTINGS cut length 5/8" ID x 80-5/8" long cut from bulk hose 319 710 R1
72	611 074 C1	CLAMP, cooler outlet tube
73	611 082 C11	TUBE, cooler inlet
74	611 083 C11	TUBE, cooler outlet
75	613 945 R91	SEAL, cooler inlet and outlet tube (optional with SEAL, 564 808 R91) (2)
75	564 808 R91	SEAL, cooler inlet and outlet tube (optional with SEAL 613 945 R91) (2)
76	650 255 C1	RING, cooler inlet and outlet tube (2)
77	611 079 C1	ELBOW, cooler inlet and outlet (2)
78	600 859 C1	CLAMP, cooler inlet and outlet hose (2)
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	102 635	3/8" NUT
	326 078 R1	CLAMP, cooler hose (on front frame) (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER(2)
	326 078 R1	CLAMP, cooler hose (on front frame tube bracket)
	102 635	3/8" NUT
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER
	330 929 C1	CLAMP, Charge Pump hose (mount on Clutch Retainer housing bolt)
	341 985 R1	CLAMP, filter to booster hose (on front bolt of planetary inspection cover)
	27 385 D	CLIP, vent tube on L.H. seat side sheet (2) TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656
	102 635	3/8" NUT
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	263 514 R91	CLIP, vent tube TD-15BG 22063 to 25656 TD-15BGF 22063 to 25656 TD-15BGS 22063 to 25656

HYDRAULIC SYSTEM

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC LINES AND CONNECTIONS -- CONTINUED

(For Manual Shift Tractors)

TD-15BG 22063 up

TD-15B(Custom)BGA 25001 up

TD-15BGF 22063 up

TD-15BGS 22063 up

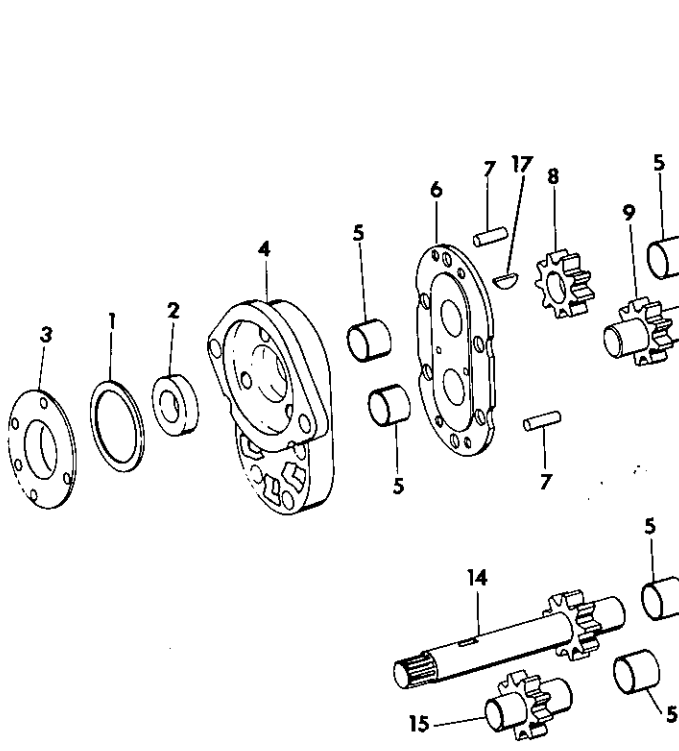
341 985 R1	CLIP , vent tube (on LH side sheet)	
		TD-15BG 22063 to 25656
		TD-15BGF 22063 to 25656
		TD-15BGS 22063 to 25656
345 606 R1	GASKET, hydraulic pump	
319 707 R1	HOSE, 5/16" ID bulk (X)	
319 709 R1	HOSE, 1/2" ID bulk (X)	
606 790 C93	SHAFT, hydraulic pump drive	
624 223 C91	ATTACHMENT, hinged oil cooler (for Manual Shift Crawler tractors) (see NOTE 3)	
	(Consists of -	
	1 BAFFLE	611 097 C1
	1 BAFFLE	611 091 C1
	2 CLAMP	600 859 C1
	1 CLAMP	611 074 C1
	1 COOLER	610 559 C92
	2 ELBOW	611 079 C1
	1 HOSE	625 795 C91
	1 HOSE	625 793 C91
	1 RING	650 255 C1
	2 SEAL	613 945 R91
	1 TUBE	611 083 C1
	1 TUBE	611 082 C1

NOTE 3 - Field Application Order Through Regular Service Parts Channels.

(X) - Order Cut Length As Required.

HYDRAULIC SYSTEM

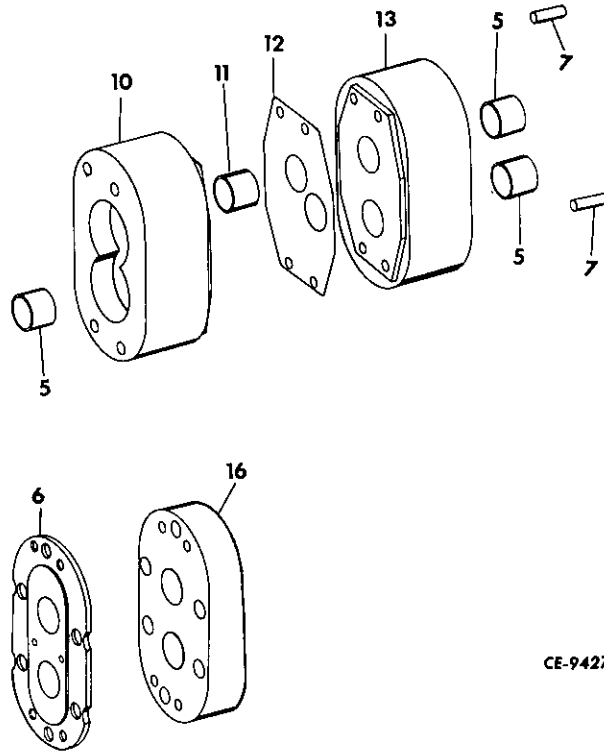
HYDRAULIC PUMP
 (For Manual Shift Tractors) (Webster)
 TD-15BG 22063 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	702 632 C91	PUMP ASSEMBLY, hydraulic pressure (Consists of the following parts -
1	384 498 R1	RING, seal
2	177 431 H1	SEAL, oil
3	625 451 C1	RETAINER, seal
4	625 452 C1	BODY with BEARING SLEEVE 625 442 C1
	886 037 C1	SCREW, pan hd
	179 843	3/8 x 1-1/2" hex-hd cap SCREW (8)
	179 835	3/8 x 5/8" x 16 ga WASHER (8)
	179 820	5/16 x 1-1/4" hex-hd cap SCREW (4)
		5/16 x 9/16" x 16 ga WASHER (8)
	186 270	5/16 x 3-1/2" hex-hd cap SCREW (4)
5	625 442 C1	BEARING, sleeve (8)
6	625 453 C1	PLATE and SEAL (2)
7	625 465 C1	PIN, dowel (4)

HYDRAULIC SYSTEM

HYDRAULIC PUMP - CONTINUED
 (For Manual Shift Tractors) (Webster)
 TD15BG 22063 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	625 455 C1	GEAR, drive
9	625 456 C1	SHAFT and GEAR, idler
10	625 457 C91	COVER with BEARING SLEEVE 625 442 C1
11	625 463 C1	SLEEVE, idler
12	625 458 C1	GASKET, cover
13	625 462 C1	COVER with BEARING SLEEVE 625 442 C1
14	625 460 C1	SHAFT, with Gear (Drive)
15	625 461 C1	SHAFT, with Gear (Idler)
16	625 459 C1	COVER, with BEARING SLEEVE 625 442 C1
17	103 646	KEY, (Woodruff)

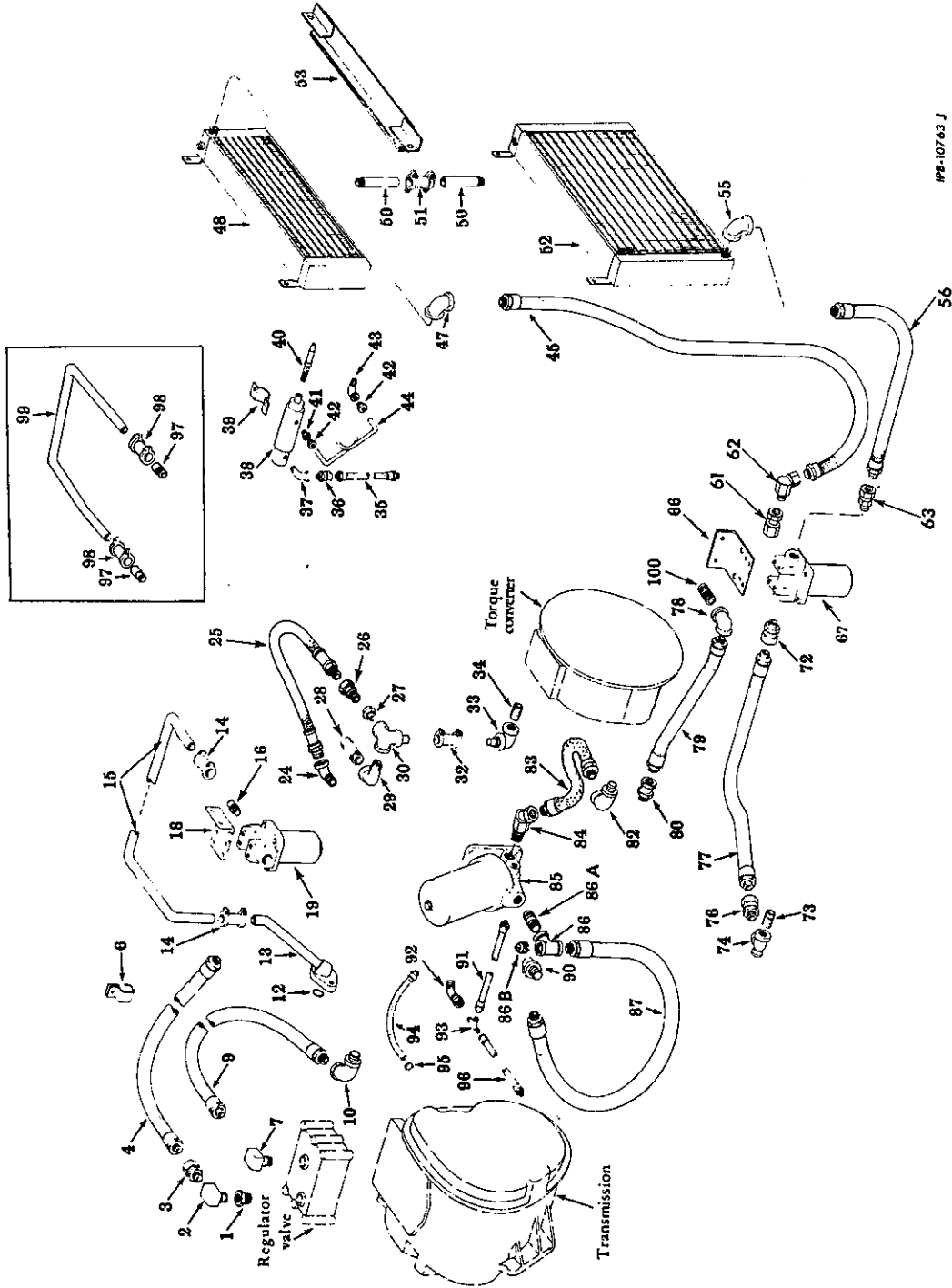
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MEMORANDA

MEMORANDA

HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS
(For Power Shift Crawler Tractors)
TD-15BP 6001 to 20207
TD-15BPS 9371 to 20207



HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS — CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 6001 to 20207
TD-15BPS 9371 to 20207

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
1	.144 056	BUSHING, elbow to regulator reducer
2	444 046	ELBOW, regulator inlet
3	102 729 R1	ADAPTER, regulator hose
4	603 553 C91	HOSE w/two FITTING, 319 753 R91, regulator inlet (HOSE, 5/8" ID x 80" long including FITTINGS)
4	319 753 R91	HOSE w/o FITTINGS, cut length 5/8" ID x 76-5/8" long cut from bulk Hose No. 319 710 R1 FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
6	317 262 R1 102 637 179 882 103 323	CLAMP 1/2" NUT 1/2 x 1-1/8" hex-hd cap SCREW 1/2" lock WASHER
7	444 046	ELBOW, regulator outlet
9	603 562 C91	HOSE w/two FITTING, 319 753 R91, regulator to torque converter (HOSE, 5/8" ID x 44" long including FITTINGS)
9	319 753 R91	HOSE w/o FITTINGS, cut length 5/8" ID x 40-5/8" long cut from bulk Hose No. 319 710 R1 FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
10	297 581 R91	ELBOW, torque converter inlet (3/4" x 90°) (will work for ELBOW, 144 129, ADAPTER, 102 729 R1 and NIPPLE, 192 082)
12	355 965 R1	"O" RING, rear frame sump elbow (15/16 x 1-3/16 x 1/8")
13	325 694 R11 179 885 103 323	PIPE, rear frame sump lower 1/2 x 1-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
14	324 168 R91	JOINT w/two GASKET, 346 565 R1 and two RETAINER, 346 566 R1, rear frame sump elbow (2)
15	334 671 R2	PIPE, rear frame sump upper
16	607 700 C11	REDUCER, suction pipe (together with ELBOW 607 702 C11 and ELBOW 607 704 C11, will work for NIPPLE, 325 697 R1)
18	334 672 R21 103 321 179 837 103 321	BRACKET, suction filter 3/8" NUT (2) 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
19	346 820 R91 179 839 103 321 103 341	FILTER ASSEMBLY, suction (for components see list of parts under details of "Suction Filter") 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16" x 16 ga WASHER (4)
24	144 121	ELBOW, regulator inlet (3/4 x 45°)
25	625 623 C91	HOSE w/two FITTINGS, 319 753 C91, regulator drain to torque converter pump (Hose 5/8" ID x 34" long including fittings) (together with ADAPTER 102 729 R1, ELBOW, 144 121 will work for PIPE, 334 676 R1)
25	319 753 R91	HOSE w/o FITTINGS, cut length 5/8" ID x 30-5/8" long cut from bulk HOSE, 319 710 R1 FITTING, male pipe (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
26	102 729 R1	ADAPTER, regulator drain to torque converter pump
27	144 056	BUSHING, elbow to pressure regulator suction pipe reducer (1" x 3/4")
28	219 667	NIPPLE, suction filter to elbow (1 x 3-1/2")
29	127 792	ELBOW, filter outlet to side outlet elbow (1" x 90° street)
30	607 702 C11	ELBOW, side outlet (together with ELBOW, 607 704 C11 and REDUCER, 607 700 C11, will work for ELBOW, 336 183 R1)
32	327 099 R91	JOINT w/two GASKET, 346 567 R1 and two RETAINER, 346 568 R1, suction filter upper and lower nipple
33	607 704 C11	ELBOW, pump inlet (together with ELBOW, 607 702 C11 and REDUCER, 607 700 C11, will work for ELBOW, 127 793)
34	127 878	NIPPLE, pump inlet (1 x 1-1/2")
35	338 931 R91	HOSE w/FITTINGS, decelerator cylinder (HOSE, 1/2" ID x 13" long including FITTINGS) (Imperial-Eastman ZD7-GB08-06MBX04MB-13)
36	333 761 R1	ADAPTER, elbow to decelerator hose
37	111 316	ELBOW, decelerator cylinder inlet
38	610 739 C91 181 364 103 321 128 145	CYLINDER w/SPRING 610 740 C1 decelerator 3/8NF x 1" hex-hd cap SCREW 3/8" lock WASHER (2) 7/16 x 1-3/8" x 14 ga WASHER (3)
39	325 680 R1 102 635 179 837 103 321	CLAMP, decelerator cylinder 3/8" NUT (2) 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
40	345 544 R91	ADJUSTER, hydraulic cylinder (†) TD-15BP 6001 to 7948
40	604 466 C11	ADJUSTER, hydraulic cylinder (†) TD-15BP 7949 to 20207 TD-15BPS 7949 to 20207
	272 121	7/16NF jam NUT
41	29 901 D	BODY, decelerator drain cylinder tube
42	29 898 D	NUT, decelerator drain tube (2)
43	30 402 D	ELBOW, decelerator drain
44	330 926 R2	TUBE, decelerator drain
45	603 555 C91	HOSE w/two FITTING, 319 753 R91, cooler to regulator (HOSE, 5/8" ID x 55" long including FITTINGS) (not used with short-core radiator)
45	319 753 R91	HOSE w/o FITTINGS, cut length 5/8" ID x 51-5/8" long cut from bulk Hose No. 319 710 R1 FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
45	603 562 C91	HOSE w/two FITTING, 319 753 R91, cooler to regulator (HOSE, 5/8" ID x 44" long including FITTINGS) (used with short-core radiator)

(†) - For Units Equipped With International RD Fuel Injection Pump.
(‡) - For Units Equipped With Roosa-Master Fuel Injection Pump.

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
45		HOSE w/o FITTINGS, cut length 5/8" ID x 40-5/8" long cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
47	179 533	ELBOW, upper oil cooler outlet pipe
48	338 961 R93	COOLER, oil to air upper (not used with short-core radiators)
	181 364	3/8NF x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
50	331 886 R1	NIPPLE, cooler to cooler (not used with short-core radiators) (2)
51	324 169 R91	JOINT w/two GASKET, 346 563 R1 and two RETAINER 346 564 R1 cooler pipe nipple (not used with short-core radiators)
52	338 960 R93	COOLER, oil to air lower (not used with short-core radiator)
52	343 501 R91	RADIATOR, oil to air lower (used with short-core radiators)
	181 364	3/8NF x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
53	341 898 R92	BAFFLE w/SEAL, 343 154 R2, dust (not used with short-core radiators)
	181 365	3/8NF x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
55	179 533	ELBOW, cooler inlet
56	603 560 C91	HOSE w/two FITTING, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 48" long including FITTINGS) (Imperial-Eastman ZD7-GE10-12MBX12MB-48) (not used with short-core radiator) TD-15BP 9033 up TD-15BPS 9371 up
56	603 561 C91	HOSE w/two FITTING, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 58" long including FITTINGS) (used with short-core radiator) TD-15BP 9033 up TD-15BPS 9371 up
56		HOSE w/o FITTINGS, cut length 5/8" ID x 54-5/8" long cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (2) TD-15BP 9033 up TD-15BPS 9371 up
61	606 291 C91	ADAPTER, hose TD-15BP 9033 up TD-15BPS 9371 up
62	296 406 R91	ELBOW, hose TD-15BP 9033 up TD-15BPS 9371 up
63	336 182 R1	ADAPTER, oil filter hose TD-15BP 9033 up TD-15BPS 9371 up
66	334 804 R11	BRACKET, safety filter
	179 857	7/16 x 7/8" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
67	610 795 C91	FILTER ASSEMBLY, safety (for components see list of parts under details of "Safety Filter")
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
72	336 182 R1	ADAPTER, union
73	192 082	NIPPLE, torque converter outlet (3/4 x 1-1/2")
74	336 258 R1	TEE, converter outlet reducing
76	102 729 R1	ADAPTER, converter outlet to safety filter hose
77	603 561 C91	HOSE w/two FITTING, 319 753 R91, torque converter to safety filter (HOSE, 5/8" ID x 58" long including FITTINGS)
77		HOSE w/o FITTINGS, cut length 5/8" ID x 54-5/8" long cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
78	144 129	ELBOW, flywheel housing outlet
79	610 853 C91	HOSE w/two FITTING, 319 753 R91, flywheel housing to transmission (HOSE, 5/8" ID x 24" long including FITTINGS)
79		HOSE w/o FITTINGS, cut length 5/8" ID x 20-5/8" long cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
80	102 729 R1	ADAPTER, flywheel housing to transmission hose
82	144 113	ELBOW, pump outlet (3/4" x 90°) (will work for ELBOW, 144 129 and NIPPLE, 192 082)
83	702 057 C91	HOSE w/two FITTING, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 12" long including FITTINGS)
83		HOSE w/o FITTINGS, cut length 5/8" ID x 8-5/8" long cut from bulk HOSE, 319 710 R1
	319 753 R91	FITTING, male pipe (2)
84	296 406 R91	ADAPTER, hose to filter inlet
85		FILTER, pressure (for components see list of parts under details of "Pressure Filter")
	102 637	1/2" NUT (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
86	144 086	TEE, pressure filter outlet (together with NIPPLE, 192 470 and PLUG, 143 936 will work for 141 621 and 144 113)
86A	192 082	NIPPLE, 3/4 x 1-1/2" pipe
86B	20 960 R1	PLUG, 3/4" sq-hd pipe
87	702 206 C1	HOSE w/FITTINGS, pressure filter to regulator 5/8" ID x 28" long
90	297 581 R91	ELBOW, regulator inlet (will work for ELBOW, 144 129, ADAPTER, 102 729 R1 and NIPPLE, 192 082)
91	702 062 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, pressure filter to booster pressure (HOSE, 5/16" ID x 42" long including FITTINGS)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
91		HOSE w/o FITTINGS, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319707 R1)
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe
92	9 410 254	ELBOW, swivel (3/8" x 45°)
93	9 403 098	TEE, LH booster inlet
94	702 064 C91	HOSE w/FITTING, 317 769 R91, booster drain (HOSE, 5/16" ID x 7-1/4" long including FITTINGS) (2)
94		HOSE w/o FITTING, cut length 5/16" ID x 6" long cut from bulk HOSE, 319 707 R1
	317 769 R91	FITTING, female pipe (2)
95	279 025 R91	CLAMP, hose (2)
96	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
96		HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319707 R1)
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe
97	325 697 R1	NIPPLE, elbow to pressure regulator (used with PIPE, 334 676 R1) (2)
98	324 168 R91	JOINT, w/two GASKET, 346 565 R1 and two RETAINER, 346 566 R1, nipple to suction pipe (used with PIPE, 334 676 R1) (2)
99	334 676 R1	PIPE, elbow to pressure regulator suction (order ADAPTER, 285 247 R91, ELBOW, 140 798 and HOSE, 347 292 R91)
100	219 657	NIPPLE, 3/4 x 2" flywheel housing outlet
	102 729 R1	ADAPTER, straight swivel (used with HOSE, 603 558 C91) (2)
	297 248 R1	ADAPTER, union (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9032
	144 056	BUSHING, 1 x 3/4" reducer (used with sump NIPPLE, 325 697 R1) TD-15BP 6001 to 20143
	308 581 R1	CLAMP, steering booster hose
	308 576 R1	CLAMP, safety filter to cooler hose (4) TD-15BP 6299 up (4) TD-15BPS 9371 up
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	301 819 R1	CLIP, safety filter to cooler hose (used with short-core radiator) (2)
	345 212 R1	CLIP, safety filter to cooler hose (not used with short-core radiator)
	322 499 R1	CLAMP, by-pass to regulator hose (on pressure filter bolt) TD-15BP 6001 to 9032
	308 576 R1	CLAMP, regulator hose (on safety filter bolt) TD-15BP 9033 up TD-15BPS 9371 up

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 6001 to 20207 TD-15BPS 9371 to 20207		
	325 715 R1	CLAMP, by-pass hose (4) TD-15BP 6001 to 6298
	179 803	1/4 x 1-3/4" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
	16 558 R1	WASHER, 17/64 x 5/8" x 18 ga (4)
	341 954 R1	CLAMP, pressure regulator hose (on front frame)
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER
	341 985 R1	CLAMP, filter to booster hose (on front bolt of planetary inspection cover)
	346 563 R1	GASKET, cooler pipe nipple joint (2)
	346 565 R1	GASKET, nipple to suction pipe (4)
	346 565 R1	GASKET, rear frame sump elbow joint (4)
	346 567 R1	GASKET, upper and lower nipple joint (2)
	603 560 C91	HOSE w/two FITTING, 319 753 R91, thermo by-pass to cooler (HOSE, 5/8" ID x 48" long including FITTINGS) (Imperial-Eastman ZD7-GB10-12MBX12MB-48) (not used with short-core radiator) (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9032
	603 561 C91	HOSE w/two FITTING, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 58" long including FITTINGS) (used with short-core radiator) (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9032
		HOSE w/o FITTINGS, cut length 5/8" ID x 54-5/8" long cut from bulk HOSE No. 319 710 R1 (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9031
	319 753 R91	FITTING, male pipe (Aeroquip No. 4412-12-12) (2)
	319 707 R1	HOSE, 5/16" ID (X)
	319 710 R1	HOSE, 5/8" ID bulk (X)
	338 399 R91	KIT, decelerator cylinder (used for CYLINDER, 610 739 C91) (Composed of - § 2 RING, piston § 1 "O" RING, large § 1 "O" RING, small § 1 SCRAPER, rod § 1 RING, retaining)
	144 613	NIPPLE, 3/4 x 1-3/8" pipe (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9032
	127 874	NIPPLE, 1 x 1-1/2" pipe (used on units equipped with a thermo by-pass valve) TD-15BP 6001 to 9032
	603 400 C1	NIPPLE, joint to elbow upper and lower (used with side outlet ELBOW, 336 183 R1 and pump inlet ELBOW, 127 793) (2) TD-15BP 6001 to 20143

§ - Not Furnished Separately.
(X) - Order Cut Length As Required.

HYDRAULIC SYSTEM

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC LINES AND CONNECTIONS - CONTINUED
 (For Power Shift Crawler Tractors)
 TD-15BP 6001 to 20207
 TD-15BPS 9371 to 20207

607 823 C91 PACKAGE, hydraulic system field improvement
 TD-15BP 6001 to 20207
 TD-15BPS 9371 to 20207

(Composed of -

1	CLAMP	308 872 R1
1	SPACER	309 461 R1
1	1/2 x 1-3/4" hex-hd cap SCREW	179 887
1	1/2" lock WASHER	103 323
2	CLAMP	327 257 R91
1	CLIP	308 560 R1
1	EXTENSION	607 815 C1
1	3/8" NUT	102 635
2	3/8 x 3/4" hex-hd cap SCREW	179 837
2	3/8" lock WASHER	103 321
2	CONNECTOR	9 409 279
1	DRAWING, suction filter support installation	IZG-7657
1	ELBOW	9 402 831
1	ELBOW	296 406 R91
2	FERRULE	272 990
1	FILTER	606 327 C91
4	1/2 x 7/8" hex-hd cap SCREW	179 880
4	1/2" lock WASHER	103 323
4	17/32 x 1-1/16" x 13 ga WASHER	103 343
1	HOSE	327 255 R1
1	HOSE	603 558 C91
1	HOSE	702 059 C91
1	MANIFOLD	604 832 C1
1	NIPPLE	127 878
2	NUT	9 409 529
1	"O" RING	355 965 R1
1	SUPPORT	607 814 C11
4	3/8 x 1" hex-hd cap SCREW	179 839
1	SUPPORT	607 816 C11
2	1/2" NUT	102 637
2	1/2 x 1-1/8" hex-hd cap SCREW	179 882
2	1/2" lock WASHER	103 323
2	17/32 x 1-1/16" x 13 ga WASHER	103 343
1	TEE	218 602
1	TUBE	602 174 C91
1	TUBE	602 175 C91
1	TUBE	607 817 C1)

325 716 R1 PAD, hose clamp
 (4) TD-15BP 6001 to 6298

445 686 PLUG, 3/8" NPT (used on units equipped with a thermo by-pass valve)
 TD-15BP 6001 to 9032

343 154 R2 SEAL, dust baffle

610 740 C1 SPRING, Compression

346 564 R1 RETAINER, seal (2)

346 566 R1 RETAINER, seal (4)

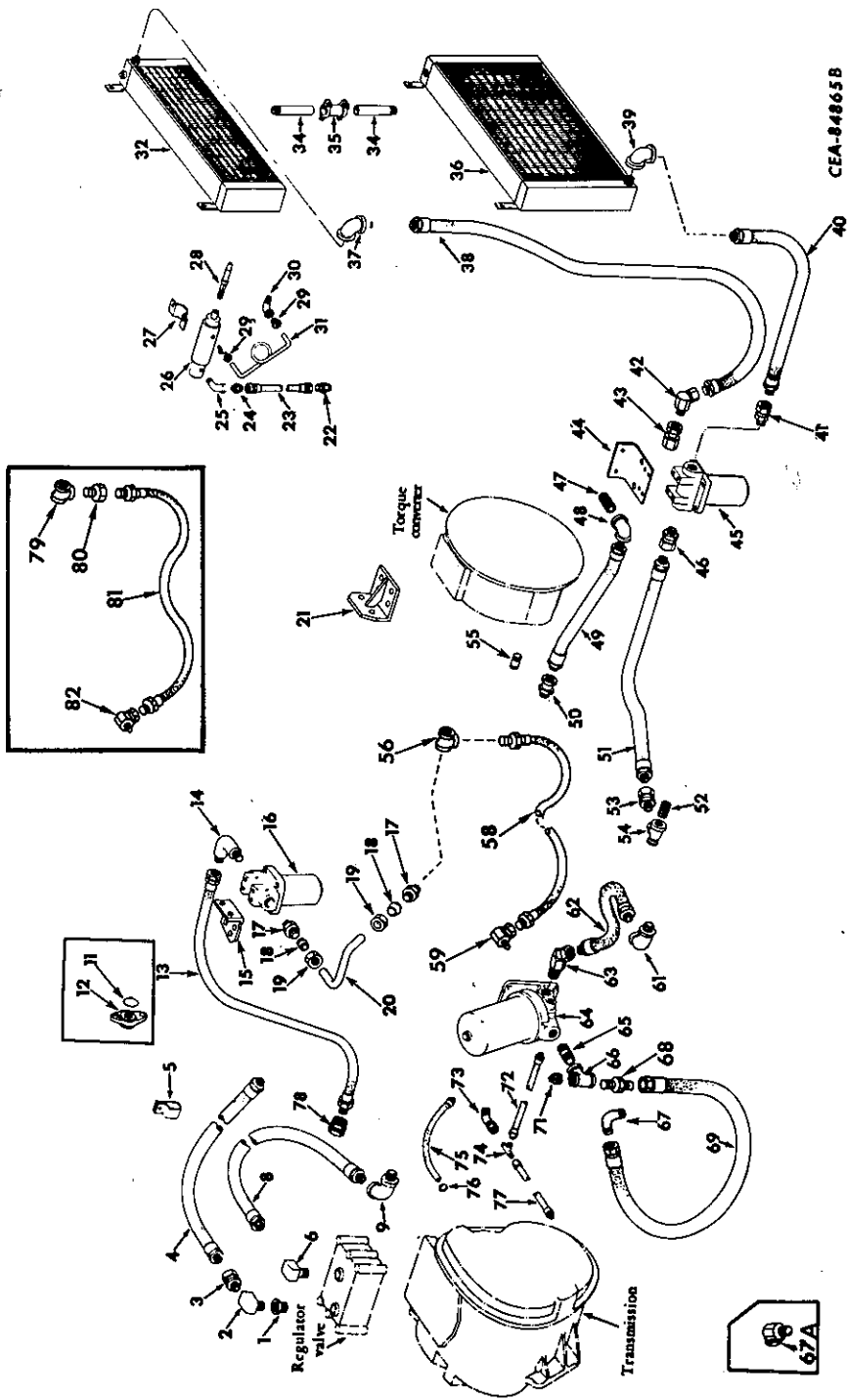
346 568 R1 RETAINER, seal (2)

MEMORANDA

MEMORANDA

HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS
(For Power Shift Crawler Tractors)
TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062



HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS - CONTINUED
(For Power Shift Crawler Tractors)
TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
1	144 056	BUSHING, elbow to regulator reducer
2	444 046	ELBOW, regulator inlet
3	102 729 R1	ADAPTER, regulator hose swivel
4	603 553 C91	HOSE w/two FITTINGS, 319 753 R91, regulator inlet (Hose, 5/8" ID x 79" long including FITTINGS)
4		HOSE w/o FITTINGS, cut length, 5/8" ID x 76-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
5	317 262 R1	CLAMP
	102 637	1/2" NUT
	179 882	1/2 x 1-1/8" hex-hd cap SCREW
	103 323	1/2" lock WASHER
6	444 046	ELBOW, regulator outlet
8	603 562 C91	HOSE w/two FITTINGS, 319 753 R91, regulator to torque converter (HOSE, 5/8" ID x 44" long including FITTINGS)
8		HOSE w/o FITTING, cut length 5/8" ID x 40-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 C91	FITTING, male pipe (2) TD-15BP 20208 to 21023 TD-15BPS 20208 to 21023
8	610 853 C91	HOSE w/two FITTINGS, 319 751 R91, fly-wheel housing to transmission (HOSE, 5/8" ID x 24" long including FITTINGS)
8		HOSE w/o FITTINGS, cut length 5/8" ID x 20-5/8" long, cut from bulk HOSE, 319 718 R1
	319 753 R91	FITTING, male pipe (2) TD-15BP 21024 up TD-15BPS 21024 up
9	297 581 R91	ELBOW, torque converter inlet (3/4" x 90° (will work for ELBOW, 144 129, ADAPTER, 102 729 R1 and NIPPLE, 192 082)
11	355 965 R1	"O" RING, rear frame sump elbow (15/16 x 1-3/16 x 1/8") TD-15BP 20208 to 20612 except 20376 to 20515 TD-15BPS 20208 to 20612 except 20376 to 20515
12	604 832 C1	MANIFOLD, rear frame sump TD-15BP 20208 to 20612 except 20376 to 20515 TD-15BPS 20208 to 20612 except 20376 to 20515
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
13	702 059 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 317 934 R91, sump to suction filter (HOSE, 1-1/8" ID x 43" long including FITTINGS)
13		HOSE w/o FITTINGS, cut length 1-1/8" ID x 39-1/2" long cut from bulk HOSE, 319 712 R1
	313 228 R91	FITTING, female pipe
	317 934 R91	FITTING, male pipe
14	9 402 831	ELBOW, suction filter inlet
15	607 816 C11	BRACKET, suction filter rear
	102 637	1/2" NUT (2)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
16	606 327 C91	FILTER ASSY, suction (for components see list of parts under details of "Suction Filter")
	179 880	1/2 x 7/8" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (4)
17	9 409 279	CONNECTOR, suction filter outlet and pump inlet (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
18	272 990	FERRULE, suction filter to converter tube (2)
19	9 409 529	NUT, suction filter to converter tube (2)
20	607 817 C1	TUBE, suction filter to converter
21	607 814 C11	SUPPORT, suction filter front
	179 839	3/8 x 1" hex-hd cap SCREW (4)
22	9 402 708	CONNECTOR, tee to decelerator hose TD-15BP 20523 to 22062 TD-15BPS 20523 to 22062
23	338 931 R91	HOSE w/FITTINGS, decelerator cylinder (HOSE, 1/2" ID x 13" long, including FITTINGS) (Imperial-Eastman ZD7-GB08-06MBX04MB-13) TD-15BP 20208 to 20522 TD-15BPS 20208 to 20522
23	610 467 C91	HOSE w/FITTINGS, decelerator cylinder (HOSE, 3/8" ID x 10-1/2" long including FITTINGS) TD-15BP 20523 to 22062 TD-15BPS 20523 to 22062
24	606 885 C1	CONNECTOR, decelerator drain tube
25	111 316	ELBOW, decelerator cylinder inlet TD-15BP 20208 to 20522 TD-15BPS 20208 to 20522
25	9 402 865	ELBOW, decelerator cylinder inlet TD-15BP 20523 to 22062 TD-15BPS 20523 to 22062
26	610 739 C91	CYLINDER w/SPRING, 610 740 C1 decelerator
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER (2)
	128 145	7/16 x 1-3/8" x 14 ga WASHER (3)
27	325 680 R1	CLAMP, decelerator cylinder
	102 635	3/8" NUT (3)
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
28	604 466 C11	ADJUSTER, hydraulic cylinder TD-15BP 20208 to 20416 TD-15BPS 20208 to 20416
28	611 234 C11	ADJUSTER, hydraulic cylinder TD-15BP 20417 to 22062 TD-15BPS 20417 to 22062
	272 121	7/16" jam NUT
29	915 499 R1	NUT, decelerator drain tube(2)
	915 500 R1	SLEEVE, decelerator drain tube nut (2)
30	319 615 R1	ELBOW, decelerator drain tube
31	611 145 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, decelerator drain
32	338 961 R93	COOLER, oil to air (Not used with short-core radiators)
	181 364	3/8NF x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
33	341 898 R92	BAFFLE w/SEAL, 343 154 R2, dust (Not used with short-core radiators)
	181 365	3/8NF x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
34	331 886 R1	NIPPLE, cooler to cooler, (Not used with short-core radiators (2)
35	324 169 R91	JOINT w/two GASKET, 346 563 R1 and two RETAINER 324 564 R1, cooler pipe nipple (Not used with short-core radiators)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
36	338 960 R93	COOLER, oil to air lower (Not used with short-core radiators)
36	343 501 R91	RADIATOR, oil to air lower (Used with short-core radiators)
	181 364	3/8NF x 1 1/2 hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
37	179 533	ELBOW, upper oil cooler outlet pipe
38	603 555 C91	HOSE w/two FITTINGS, 319 753 R91, cooler to regulator (Hose, 5/8" ID x 55" long including FITTINGS) (Not used with short-core radiators)
38		HOSE w/o FITTINGS, cut length 5/8" ID x 51-5/8" long, cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
38	603 562 C91	HOSE w/two FITTINGS, 319 753 R91, cooler to regulator (Hose, 5/8" ID x 44" long including FITTINGS) (Used with short-core radiators)
38		HOSE w/o FITTINGS, cut length, 5/8" ID x 40-5/8" long, cut from bulk Hose No. 319 710 R91
	319 753 R91	FITTINGS, male pipe (2)
39	179 533	ELBOW, cooler inlet
40	603 560 C91	HOSE w/two FITTING, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 48" long including FITTINGS) (Not used with short-core radiators)
40		HOSE w/o FITTINGS cut length, 5/8" ID x 44-5/8" long, cut from bulk Hose No. 319 710 R)
	319 753 R91	FITTING, male pipe (2)
40	603 561 C91	HOSE w/two FITTINGS, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 58" long including FITTINGS)
		(Used with short-core radiators)
40		HOSE w/o FITTINGS, cut length, 5/8" ID x 54-5/8" long, cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
41	336 182 R1	ADAPTER, oil filter hose
42	296 406 R91	ELBOW, hose
43	606 291 C91	ADAPTER, hose
44	334 804 R11	BRACKET, safety filter
	179 857	7/16 x 7/8" hex-hd cap SCREW (2)
	103 322	7/16" lock WASHER (2)
45	610 795 C91	FILTER ASSY, safety (for components see list of parts under details of "Safety Filter")
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
46	336 182 R1	ADAPTER, union
47	219 657	NIPPLE, 3/4 x 2" flywheel housing outlet
48	144 129	ELBOW, flywheel housing outlet
49	610 853 C91	HOSE w/two FITTINGS, 319 753 R91, flywheel housing to transmission (HOSE, 5/8" ID 24" long including FITTINGS)
49		HOSE w/o FITTINGS, cut length 5/8" ID x 20-5/8" long, cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
50	102 729 R1	ADAPTER, flywheel housing to transmission hose swivel
51	603 561 C91	HOSE w/two FITTINGS, 319 753 R91, torque converter to safety filter (HOSE, 5/8" ID x 58" long including FITTINGS)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
51		HOSE w/o FITTINGS, cut length, 5/8" ID x 54-5/8" long, cut from bulk Hose No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
52	192 082	NIPPLE, torque converter outlet (3/4 x 1-1/2")
53	102 729 R1	ADAPTER, converter outlet to safety filter hose swivel
54	336 258 R1	TEE, converter outlet reducing
55	127 878	NIPPLE, pump inlet (1 x 1-1/2")
56	616 115 C1	TEE, Pump inlet reducing TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
58	702 205 C91	HOSE w/two FITTINGS 347 957 R91 regulator drain to torque converter pump (HOSE, 5/8" ID x 53" long including FITTINGS) TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
58		HOSE w/o fitting cut length 5/8" ID x 49-5/8" long cut from bulk HOSE No. 319 710 R1)
	347 957 R91	FITTING, male pipe (2)
59	347 522 R91	ELBOW, regulator drain TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
	144 042	BUSHING, regulator drain outlet 3/4 x 1/2"
61	144 113	ELBOW, pump outlet (3/4" x 90°) (will work for ELBOW, 144 129 and NIPPLE, 192 082)
62	702 057 C91	HOSE w/two FITTING, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 12" long including FITTINGS)
62		HOSE w/o FITTINGS, cut length 5/8" ID x 8-5/8" long cut from bulk HOSE, 319 710 R1
	319 753 R91	FITTING, male pipe (2)
63	296 406 R91	ADAPTER, hose to filter inlet
64		FILTER ASSY, pressure (for components see list of parts under details of "Pressure Filter")
	102 637	1/2" NUT (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
65	192 082	NIPPLE, 3/4 x 1-3/8" pipe
66	144 086	TEE, pressure filter outlet
67	9 402 868	ELBOW, pressure filter to regulator hose TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
67A	297 581 R91	ELBOW, pressure filter to regulator hose (will work for ADAPTER 102 729 R1 ELBOW 144 129 AND NIPPLE 192082 TD-15BP 20208, 21396 TD-15BPS 20208, 21396
68	9 402 711	CONNECTOR, pressure filter to regulator hose TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
69	702 206 C1	HOSE w/fittings pressure filter to regulator (HOSE, 3/4" ID x 28" long including FITTINGS) TD-15BP 21349 to 22062 TD-15BPS 21353 to 22062
71	20 960 R1	PLUG, 3/4" sq-hd pipe
72	702 062 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 317 751 R91, pressure filter to booster pressure (HOSE, 5/16" ID x 42" long including FITTINGS)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
72		HOSE w/o FITTINGS, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe
73	9 410 254	ELBOW, swivel (3/8" x 45°)
74	9 403 098	TEE, LH booster inlet
75	702 064 C91	HOSE w/FITTING, 317 769 R91, booster drain (HOSE, 5/16" ID x 7-1/4" long including FITTINGS) (2)
75		HOSE w/o FITTING, cut length 5/16" ID x 6" long cut from bulk HOSE, 319 707 R1
	317 769 R91	FITTING, female pipe (2)
76	279 025 R91	CLAMP, hose (2)
77		HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319 707 R1
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe
77	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
78	285 235 R91	ADAPTER, sump to suction filter hose TD-15BP 20613 to 22062, also 20376 to 20515 TD-15BPS 20613 to 22062, also 20376 to 20515
79	218 602	TEE, pump inlet reducing TD-15BP 20208 to 21348 TD-15BPS 20208 to 21352
80	102 729 R1	ADAPTER, regulator drain to torque converter pump swivel TD-15BP 20208 to 21348 TD-15BPS 20208 to 21352
81	603 558 C91	HOSE w/two FITTINGS 319 753 R91, regulator drain to torque converter pump (Order PACKAGE 700 169 C91) TD-15BP 20208 to 21348 TD-15BPS 20208 to 21352
	319 753 R91	FITTING, male pipe (used with HOSE, 603 558 C91) (2)
82	296 406 R91	ELBOW, regulator drain TD-15BP 20208 to 21348 TD-15BPS 20208 to 21352
	308 576 R1	CLAMP, regulator hose (On safety filter bolt)
	308 576 R1	CLAMP, safety filter to cooler hose (4) TD-15BP 6001 to 21634 TD-15BPS 9371 to 21634
	317 262 R1	CLAMP, safety filter to cooler hose (2) TD-15BP 21635 to 22062 TD-15BPS 21635 to 22062
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	308 581 R1	CLAMP, steering booster hose
	341 954 R1	CLAMP, pressure regulator hose (On front frame)
	179 838	3/8 x 7/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER TD-15BP 20208 to 21023 TD-15BPS 20208 to 21023

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062		
	341 985 R1	CLAMP, filter to booster hose (On front bolt of planetary inspection cover)
	317 262 R1	CLAMP, pressure regulator hose (on front frame) TD-15BP 21024 to 22062 TD-15BPS 21024 to 22062
	301 819 R1	CLIP, safety filter to cooler hose (Used with short-core radiators) (2)
	308 560 R1	CLIP, suction filter hose (Mounted on front frame)
	607 815 C1	EXTENSION, suction filter hose clip
	102 635	3/8" NUT
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	317 262 R1	CLIP, regulator hose (Mounted on pressure filter flange)
	345 212 R1	CLIP, safety filter to cooler hose (Not used with short-core radiators)
	364 563 R1	GASKET, cooler pipe nipple joint (2)
	319 707 R1	HOSE, 5/16" ID bulk (X)
	319 710 R1	HOSE, 5/8" ID bulk (X)
	319 712 R1	HOSE, 1-1/8" ID bulk (X)
	338 399 R91	KIT, decelerator cylinder (used for CYLINDER, 610 739 C91) (Composed of - § 1 "O" RING, large § 1 "O" RING, small § 2 RING, piston § 1 RING, retaining § 1 SCRAPER, rod)
	364 564 R1	RETAINER, seal (2)
	343 154 R1	SEAL, dust baffle
	610 740 C1	SPRING, compression
	610 213 C91	STRAP, regulator torque converter hose TD-15BP 21024 to 22062 TD-15BPS 21024 to 22062
	700 169 C91	PACKAGE, pressure filter to regulator hose field service TD-15BP 20208 to 21348 TD-15BPS 20208 to 21352 (Composed of - 1 BUSHING 144 042 1 CONNECTOR 9 402 711 * 1 ELBOW 293 351 R91 1 ELBOW 347 522 R91 * 1 ELBOW 9 402 828 1 ELBOW 9 402 868 1 HOSE 702 206 C1 1 HOSE 702 205 C1 * 1 TEE 179 624 1 TEE 616 115 C1)
		(* - Not Used On This Machine. § - Not Furnished Separately. (X) - Order Cut Length As Required.

HYDRAULIC SYSTEM

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC LINES AND CONNECTIONS - CONTINUED
 (For Power Shift Crawler Tractors)
 TD-15BP 20208 to 22062, TD-15BPS 20208 to 22062

- 703 389 C91 PACKAGE, hinged oil cooler field improvement
- TD-15BP 20208 to 22062
 TD-15BPS 20208 to 22062
- (Consists of -
- § 3 BLOCK
 - § 2 BRACKET
 - 1 PAMPHLET, installation instruction 1 085 384 R1
 - § 2 STOP)
- ALSO (Order the following parts -
- 1 BAFFLE 611 091 C11
 - 1 BAFFLE 611 097 C1
 - 2 BUSHING 312 565 R1
 - 1 CLAMP 600 859 C1
 - 1 CLAMP 611 074 C1
 - 1 COOLER 610 559 C91
 - 2 ELBOW 611 079 C1
 - 1 HOSE 610 561 C91
 - 1 HOSE 603 557 C91
 - 1 NUT, 3/8" 102 635
 - 2 NUT, 1/2" 102 637
 - 1 REDUCER 144 056
 - 2 RING 369 908 R1
 - 1 3/8 x 2" hex-hd cap SCREW 179 847
 - 2 1/2 x 1-1/2" hex-hd cap SCREW 179 885
 - 2 7/16 x 1" hex-hd cap SCREW 179 858
 - 2 SEAL 613 945 R91
 - 4 SHIM 270 711 R1
 - 1 TUBE 611 083 C11
 - 1 TUBE 611 082 C11
 - 1 WASHER, 3/8"lock 103 321
 - 2 WASHER
 - 2 WASHER, 1/2"lock 103 323
 - 3 WASHER, 7/16"lock103 322
 - 2 WASHER, 15/32 x 15/16 x 16 ga)

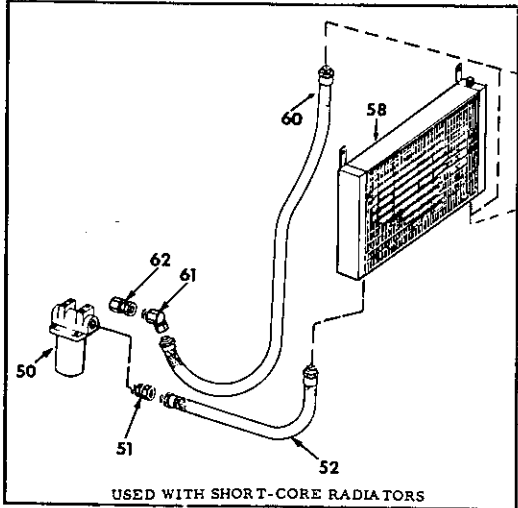
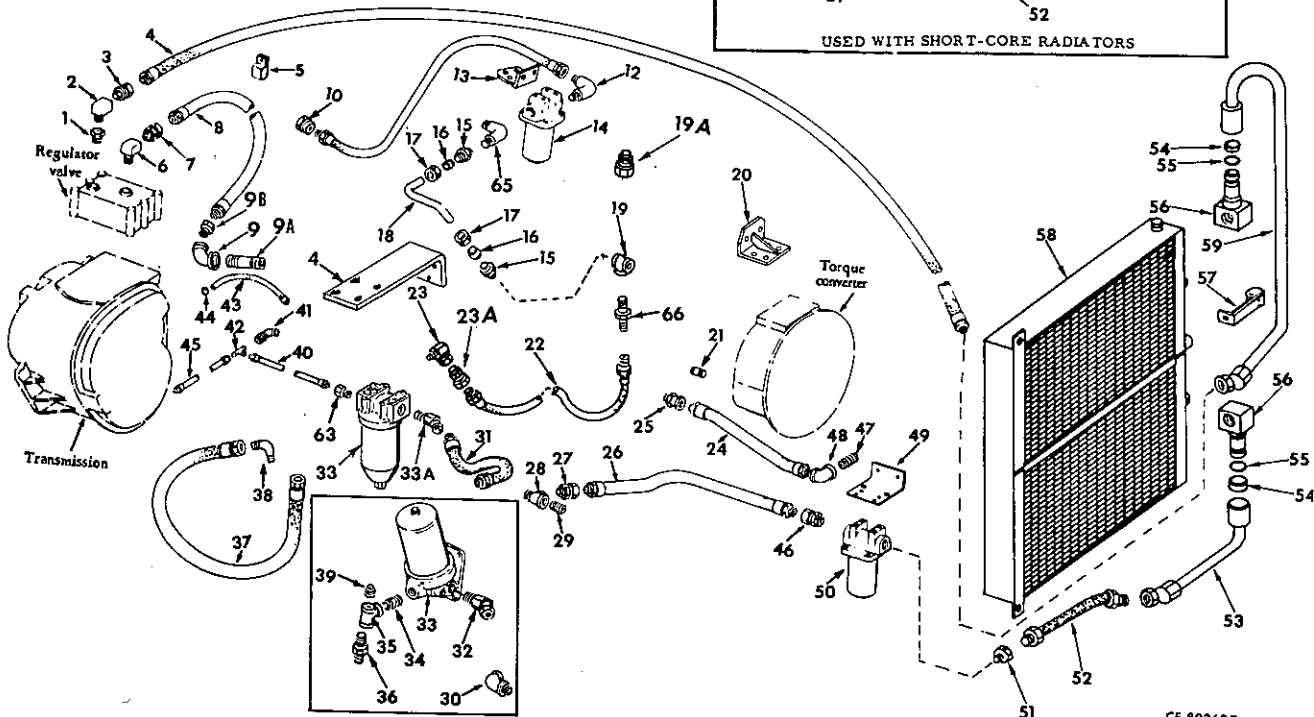
§ - Not Furnished Separately.

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HYDRAULIC SYSTEM

HYDRAULIC LINES AND CONNECTIONS
(For Power Shift Crawler Tractors)
TD-15BP 22063 up, TD-15BPS 22063 up



USED WITH SHORT T-CORE RADIA TORS

CE-89268D

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
1	144 056	BUSHING, elbow to regulator reducer
2	444 046	ELBOW, regulator inlet
3	102 729 R1	ADAPTER, regulator to torque converter hose (at regulator inlet)
4	603 557 C91	HOSE w/two FITTINGS, 319 753 R91, regulator inlet (Hose, 5/8" ID x 110" long including FITTINGS) (Not used with short-core radiators)
4		HOSE w/o FITTINGS, cut length, 5/8" ID x 106-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
4	603 553 C91	HOSE w/two FITTINGS, 319 753 R91, regulator inlet (Hose, 5/8" ID x 80" long including FITTINGS) (Used with short-core radiators) (*)
4		HOSE w/o FITTINGS, cut length, 5/8" ID x 76-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
5	317 262 R1	CLAMP
	102 637	1/2" NUT
	179 882	1/2 x 1-1/8" hex-hd cap SCREW
	103 323	1/2" lock WASHER
6	444 046	ELBOW, regulator outlet
7	297 531 R91	ELBOW, 90° swivel regulator to torque converter hose (at regulator outlet)
8	610 853 C91	HOSE w/two FITTINGS, 319 753 R91, regulator to torque converter (HOSE, 5/8" ID x 24" long including FITTINGS)
8		HOSE w/o FITTINGS, cut length 5/8" ID x 20-5/8" long, cut from bulk HOSE, 319 718 R1
	319 753 R91	FITTING, male pipe (2)
9	297 581 R91	ELBOW, torque converter inlet (3/4" x 90°) TD-15BP 22063 to 25487 TD-15BPS 22063 to 25487
9	144 129	ELBOW, torque converter inlet TD-15BP 25488 up TD-15BPS 25488 up
9A	219 658	NIPPLE, torque converter inlet TD-15BP 25488 up TD-15BPS 25488 up
9B	102 729 R1	ADAPTER, torque converter inlet hose TD-15BP 25488 up TD-15BPS 25488 up
10	285 235 R91	ADAPTER, sump to suction filter hose
11	702 059 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 317 934 R91, sump to suction filter (HOSE, 1-1/8" ID x 43" long including FITTINGS)
11		HOSE w/o FITTINGS, cut length 1-1/8" ID x 39-1/2" long cut from bulk HOSE, 319 712 R1
	313 228 R91	FITTING, female pipe
	317 934 R91	FITTING, male pipe
12	9 402 831	ELBOW, suction filter inlet
13	607 816 C11	BRACKET, suction filter rear TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
	102 637	1/2" NUT (2)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
14		FILTER ASSY, suction (for components see list of parts under details of "Suction Filter")
	179 880	1/2 x 7/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
15	9 409 279	CONNECTOR, suction filter outlet and pump inlet (2) TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
15	9 402 714	CONNECTOR, suction filter outlet and pump inlet (2) TD-15BP 25168 up TD-15BPS 25168 up
16	272 990	SLEEVE, suction filter to converter tube (2) TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
16	9 403 455	SLEEVE, suction filter to converter tube (2) TD-15BP 25168 up TD-15BPS 25168 up
17	9 409 529	NUT, suction filter to converter tube (2) TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
17	9 403 533	NUT, suction filter to converter tube (2) TD-15BP 25168 up TD-15BPS 25168 up
18	607 817 C1	TUBE, suction filter to converter TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
18	624 213 C1	TUBE, suction filter to converter TD-15BP 25168 up TD-15BPS 25168 up
19	616 115 C1	TEE, pump inlet reducing TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
19	186 553	TEE, pump inlet reducing TD-15BP 25168 up TD-15BPS 25168 up
19A	102 729 R1	ADAPTER, regulator drain hose to torque converter inlet
20	607 814 C11	SUPPORT, suction filter front TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
	179 839	3/8 x 1" hex-hd cap SCREW (4)
20	624 207 C1	SUPPORT, bracket suction filter TD-15BP 25168 up TD-15BPS 25168 up
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
21	127 878	NIPPLE, pump inlet (1 x 1-1/2")
22	702 205 C91	HOSE w/two FITTINGS, 347 957 R91 regulator drain to torque converter pump (hose 5/8" ID x 53" long including FITTINGS) TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
22		HOSE w/o FITTINGS cut length 5/8" ID x 49-5/8" long, cut from bulk HOSE, 319 710 R1 TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
	347 957 R91	FITTING, male pipe (2) TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
22	619 826 C91	HOSE w/FITTING, 319 786 R91 and FITTING, 313 509 R91 regulator drain to torque converter pump (hose 7/8" ID x 50" long including FITTINGS) TD-15BP 25168 up TD-15BPS 25168 up
22		HOSE w/o FITTINGS cut length 7/8" ID x 45-3/4" long cut from bulk HOSE, 319 711 R1 TD-15BP 25168 up TD-15BPS 25168 up
	319 786 R91	FITTING, female swivel 90°
	313 509 R91	FITTING, female swivel TD-15BP 25168 up TD-15BPS 25168 up
(*) - Also Listed With "Radiator and Connections".		

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
23	347 522 R91	ELBOW, regulator drain TD-15BP 22063 to 25167 TD-15BPS 22063 to 25167
23	875 239 C1	ELBOW, regulator drain TD-15BP 25168 up TD-15BPS 25168 up
23A	347 521 R91	ADAPTER, regulator drain hose to torque converter pump
24	610 853 C91	HOSE w/two FITTINGS, 319 753 R91, fly-wheel housing to transmission (HOSE, 5/8" ID x 24" long including FITTINGS)
24		HOSE w/o FITTINGS, cut length 5/8" ID x 20-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
25	102 729 R1	ADAPTER, flywheel housing to transmission hose swivel
26	603 561 C91	HOSE w/two FITTINGS, 319 753 R91, torque converter to safety filter (HOSE, 5/8" ID x 58" long including FITTINGS)
26		HOSE w/o FITTINGS, cut length, 5/8" ID x 54-5/8" long, cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2)
27	102 729 R1	ADAPTER, converter outlet to safety filter hose swivel
28	336 258 R1	TEE, converter outlet reducing
29	192 082	NIPPLE, torque converter outlet (3/4 x 1-1/2")
30	144 113	ELBOW, pump outlet (3/4" x 90") TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
30	619 670 C1	ELBOW, pump outlet TD-15BP 22923 up TD-15BPS 22923 up
31	702 057 C91	HOSE w/two FITTINGS, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 12" long including FITTINGS) TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
31		HOSE w/o FITTINGS, cut length 5/8" ID x 8-5/8" long cut from bulk HOSE No. 319 710 R1
	319 753 R91	FITTING, male pipe (2) TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
31	702 635 C91	HOSE w/two FITTINGS, 100 798 R91, pump to pressure filter (HOSE, 5/8" ID x 21" long including fittings) TD-15BP 22923 up TD-15BPS 22923 up
31		HOSE w/o FITTINGS, cut length 5/8" ID x 17-1/4" long cut from bulk HOSE 319 710 R1
	100 798 R91	FITTING, male pipe (2) TD-15BP 22923 up TD-15BPS 22923 up
32	296 406 R91	ADAPTER, hose to filter inlet

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
33		FILTER ASSY, pressure (for components see list of parts under details of "Pressure Filter") TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
	102 637	1/2" NUT (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
33	619 692 C91	FILTER ASSY, pressure (for components see list of parts under details of "Pressure Filter") TD-15BP 22923 up TD-15BPS 22923 up
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	WASHER, flat (4)
33A	619 717 C1	ELBOW, filter outlet TD-15BP 22923 up TD-15BPS 22923 up
34	192 082	NIPPLE, 3/4 x 1-3/8" pipe TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
35	144 086	TEE, pressure filter outlet TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
36	9 402 711	CONNECTOR, pressure filter to regulator hose TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
37	702 206 C1	HOSE w/FITTINGS, pressure filter to regulator (HOSE 5/8" ID x 28" long including FITTINGS) TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
37	702 635 C91	HOSE w/two FITTINGS, 100 798 R91, filter to transmission (HOSE 5/8" ID x 21" long including FITTINGS) TD-15BP 22923 up TD-15BPS 22923 up
37		HOSE w/o FITTINGS, cut length 5/8" ID x 17-1/4" long cut from bulk HOSE 319 710 R1
	100 798 R91	FITTING, female TD-15BP 22923 up TD-15BPS 22923 up
38	9 402 867	ELBOW, pressure filter to transmission hose elbow (at inlet)
39	20 960 R1	PLUG, 3/4" sq-hd pipe (pressure filter outlet tee) TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
40	702 062 C91	HOSE w/FITTING 317 769 R91 and FITTING 317 751 R91, pressure filter to booster pressure (HOSE 5/16" ID x 42" long including FITTINGS) TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922
		HOSE w/o FITTINGS, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1
	317 769 R91	FITTING, female pipe
	319 751 R91	FITTING, male pipe TD-15BP 22063 to 22922 TD-15BPS 22063 to 22922

HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
40	610 366 C91	HOSE w/two FITTINGS, pressure filter to booster pressure (HOSE 3/8" ID x 29" long including FITTINGS) TD-15BP 22923 up TD-15BPS 22923 up
41	9 410 254	ELBOW, swivel (3/8" x 45") (at tee on booster)
42	9 403 098	TEE, LH booster inlet
43	702 064 C91	HOSE w/FITTING, 317 769 R91, booster drain (HOSE, 5/16" ID x 7-1/4" long including FITTINGS) (2)
43	317 769 R91	HOSE w/o FITTING, cut length 5/16" ID x 6" long cut from bulk HOSE, 319 707 R1 FITTING, female pipe (2)
44	279 025 R91	CLAMP, booster drain hose (2)
45	702 063 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 11-1/4" long including FITTINGS)
45	317 769 R91 319 751 R91	HOSE w/o FITTINGS, cut length 5/16" ID x 8-5/8" long cut from bulk HOSE, 319 707 R1) FITTING, female pipe FITTING, male pipe
46	336 182 R1	ADAPTER, safety filter to torque converter hose
47	219 657	NIPPLE, 3/4 x 2" flywheel housing outlet
48	144 129	ELBOW, flywheel housing outlet
49	334 804 R11 179 857 103 322	BRACKET, safety filter 7/16 x 7/8" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
50		FILTER ASSY, safety (for components see list of parts under details of "Safety Filter") 3/8 x 7/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
51	144 056	REDUCER, safety filter to oil cooler inlet hose (not used with short-core radiators)
51	336 182 R1	ADAPTER, safety filter to oil cooler inlet hose (used with short-core radiators) (*)
52	610 561 C91	HOSE w/two FITTING, 319 753 R91, safety filter to cooler (HOSE, 5/8" ID x 23" long including FITTINGS) (not used with short-core radiators)
52	319 753 R91	HOSE w/o FITTINGS, cut length, 5/8" ID x 19-5/8" long, cut from bulk HOSE No. 319 710 R1) FITTING, male pipe (2)
52	603 561 C91	HOSE w/two FITTINGS, 319 753 R91, cooler to safety filter (HOSE, 5/8" ID x 58" long including FITTINGS) (used with short-core radiators) (*)
52	319 753 R91	HOSE w/o FITTINGS, cut length, 5/8" ID x 54-5/8" long, cut from bulk HOSE No. 319 710 R1) FITTINGS, male pipe (2)
53	611 082 C11	TUBE, oil cooler inlet (not used with short-core radiators)
54	613 945 R91	SEAL, cooler inlet and outlet tube (optional w/SEAL, 564 808 R91) (not used with short-core radiators) (2)
54	564 808 R91	SEAL, cooler inlet and outlet tube (optional w/SEAL, 613 945 R91) (not used with short-core radiators) (2)

HYDRAULIC SYSTEM

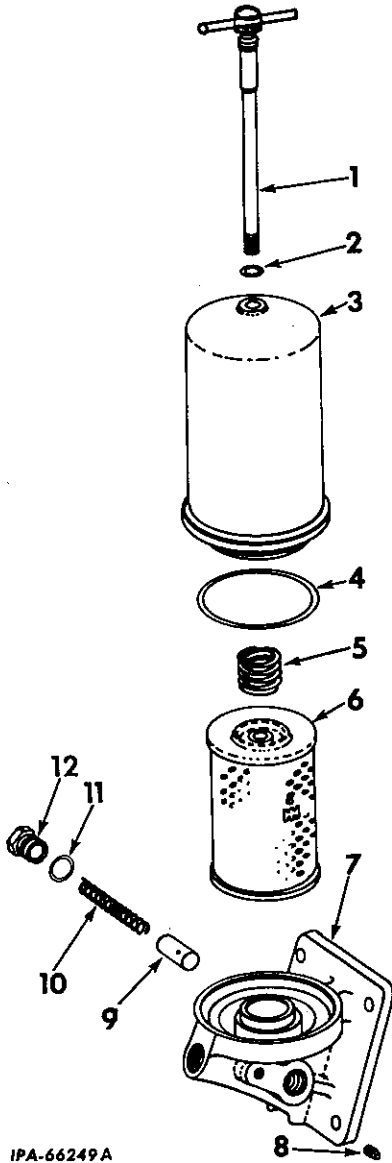
REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC LINES AND CONNECTIONS - CONTINUED (For Power Shift Crawler Tractors) TD-15BP 22063 up, TD-15BPS 22063 up		
55	650 255 C1	"O" RING, cooler inlet and outlet tube sealing (not used with short-core radiators) (2)
56	611 079 C1	ELBOW, cooler inlet and outlet (not used with short-core radiators) (2)
57	611 074 C1	CLAMP, oil cooler outlet pipe (not used with short-core radiators) 7/16 x 1" hex-hd cap SCREW 7/16" lock WASHER
58	610 559 C91	COOLER, oil-to-air (not used with short-core radiators) (*)
58	343 501 R92 179 839 103 321 103 341	RADIATOR, oil to air lower (used with short-core radiators) (*) 3/8NF x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga WASHER (2)
59	611 083 C11	TUBE, oil cooler outlet (not used with short-core radiators)
60	603 562 C91	HOSE w/two FITTINGS, 319 753 R91, cooler to regulator (HOSE, 5/8" ID x 44" long including FITTINGS) (used with short-core radiators) (*)
60	319 753 R91	HOSE w/o FITTINGS, cut length, 5/8" ID x 40-5/8" long, cut from bulk HOSE No. 319 710 R1) FITTINGS, male pipe (2)
61	296 406 R91	ELBOW, hose (*)
62	606 291 C91 308 576 R1	ADAPTER, hose (*) CLAMP, regulator inlet hose (on safety filter bracket)
63	444 000	ADAPTER, filter outlet to Steering Booster Hose TD-15BP 22923 up TD-15BPS 22923 up
64	308 581 R1 620 388 C1	CLAMP, steering booster hose BRACKET, Pressure Filter Mounting TD-15BP 22923 up TD-15BPS 22923 up
65	9 402 870	ELBOW, suction filter outlet TD-15BP 25168 up TD-15BPS 25168 up
66	9 402 713	CONNECTOR, pump inlet tee TD-15BP 25168 up TD-15BPS 25168 up
	317 262 R1 179 837 103 321	CLAMP, safety filter to and regulator inlet hose (2) 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
	317 262 R1	CLAMP, pressure regulator hose (On front frame) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER 13/32 x 13/16" x 16 ga WASHER
	341 985 R1	CLAMP, filter to booster hose (On front bolt of planetary inspection cover)
	600 859 C1	CLAMP, regulator inlet hose and safety filter to cooler HOSE (2) 3/8 x 2" hex-hd cap SCREW 3/8" lock WASHER 3/8" NUT
	301 819 R1	CLIP, safety filter to cooler hose (used with short-core radiators) (2) (*)
	317 262 R1	CLIP, regulator hose (Mounted on pressure filter flange)
	319 707 R1 319 710 R1 319 712 R1 297 459 R1	HOSE, 5/16" ID bulk (X) HOSE, 5/8" ID bulk (X) HOSE, 1-1/8" ID bulk (X) RING, connector sealing TD-15BP 25168 up TD-15BPS 25168 up
	610 213 C91	STRAP, regulator torque converter hose
(*) - Also Listed With "Radiator And Connections". (X) - Order Cut Length As Required.		

HYDRAULIC SYSTEM

PRESSURE FILTER

(For Manual Shift and Power Shift Crawler Tractors)

- TD-15BG 7260 to 22062
- TD-15B(Agr)BGA 7260 to 25000
- TD-15BGF 21281 to 22062
- TD-15BGS 21676 to 22062
- TD-15BP 6001 to 22922
- TD-15BPS 9371 to 22922



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HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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PRESSURE FILTER - CONTINUED

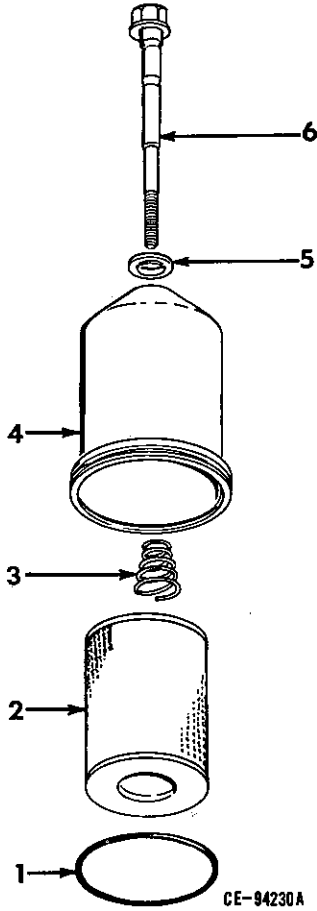
(For Manual Shift and Power Shift Crawler Tractors)

- TD-15BG 7260 to 22062
- TD-15B(Agr)BGA 7260 to 25000
- TD-15BGF 21281 to 22062
- TD-15BGS 21676 to 22062
- TD-15BP 6001 to 22922
- TD-15BPS 9371 to 22922

1	700 318 C1	BOLT, shell holddown (Order PRESSURE FILTER CONVERSION KIT 619 693 C91)
2	252 739 R1	"O" RING, shell holddown bolt (1/2 x 11/16 x 3/32")
3	325 709 R1	CASE, oil filter (Order PRESSURE FILTER CONVERSION KIT 619 693 C91)
4	138 466 R1	"O" RING, oil filter case (5-1/8 x 5-3/8 x 1/8")
5	325 708 R1	SPRING, oil filter shell (Order PRESSURE FILTER CONVERSION KIT 619 693 C91)
6	381 256 R91	ELEMENT, pressure filter with "O" RING 138 466 R1 will work for ELEMENT PACKAGE 612 713 C92
6	381 256 R91	ELEMENT, Pressure Filter (Together with "O" RING 138 466 R1 will work for FILTER ELEMENT PACKAGE 612 713 C92)
7	325 706 R1	BASE, oil filter (Order OIL FILTER BASE PACKAGE 620 204 C91) 1/2" NUT (4) 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
8	445 673	PLUG, 3/8" pipe
9	61 261 VA	PISTON, relief valve
10	603 366 C1	SPRING, relief valve
11	3 405 H	GASKET, relief valve plug
12	61 263 VA	PLUG, relief valve
	119 933	REDUCER, 3/8 x 1/8" filter inlet
	620 204 C91	PACKAGE, OIL FILTER BASE (Consists of BASE, and KIT PRESSURE FILTER CONVERSION 619 693 C91)

HYDRAULIC SYSTEM

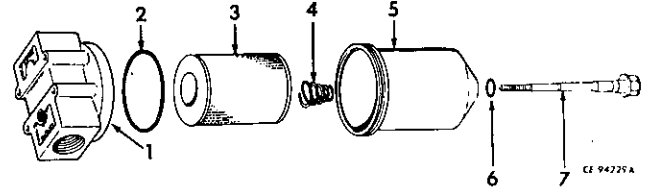
PRESSURE FILTER CONVERSION KIT
 (Deluxe Products Corp.)
 (For Manual Shift and Power Shift Crawler Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062
 TD-15BP 6001 to 22922
 TD-15BPS 9371 to 22922



REF. NO.	I. H. PART NUMBER	DESCRIPTION
619 693 C91		PRESSURE FILTER CONVERSION KIT
142 127 R1		WASHER, flat (4)
179 841		3/8 x 1-1/4" hex-hd cap SCREW (4) (Consists of the following parts -
1	138 466 R1	"O" RING, 5-1/8 x 5-3/8 x 1/8"
2	381 256 R91	ELEMENT, oil filter
3	471 633 R1	SPRING, oil filter compression
4	619 811 C1	BODY, oil filter
5	619 814 C1	WASHER, oil filter body bolt
6	619 813 C1	BOLT, oil filter holddown

HYDRAULIC SYSTEM

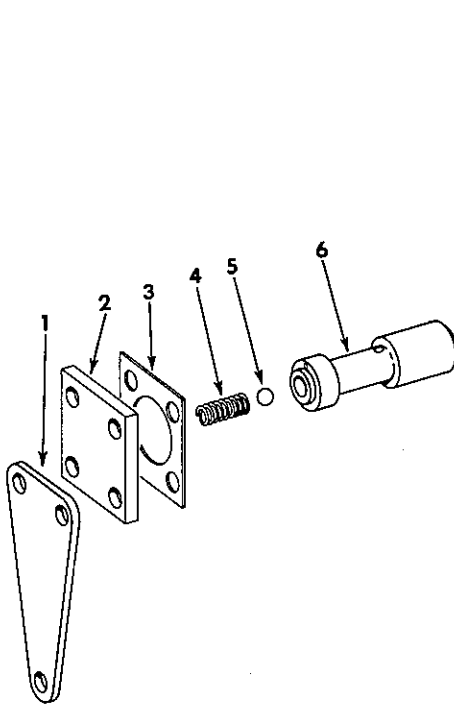
PRESSURE FILTER
 (Deluxe Products Corp.) (For TD-15 Power Shift Tractors)
 TD-15BP 22923 up
 TD-15BPS 22923 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
619 692 C91		FILTER ASSY, transmission oil
103 341		WASHER, flat (4)
179 841		3/8 x 1-1/4" hex-hd cap SCREW (4)
103 321		3/8" lock WASHER (4)
1		BASE, oil filter (not serviced separately)
2	3 402 934 R1	"O" RING, 5 x 5-1/2 x 1/4"
3	381 256 R91	ELEMENT, oil filter
4	471 633 R1	SPRING, oil filter compression
5	619 810 C1	BODY, oil filter
6	619 814 C1	WASHER, oil filter body bolt
7	619 812 C1	BOLT, oil filter holddown

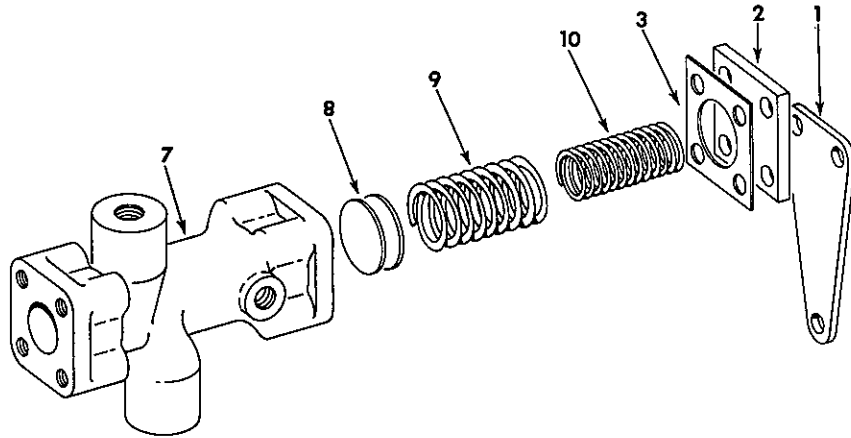
HYDRAULIC SYSTEM

PRESSURE REGULATOR
(For Manual Shift Crawler Tractors)



HYDRAULIC SYSTEM

PRESSURE REGULATOR - CONTINUED
(For Manual Shift Crawler Tractors)



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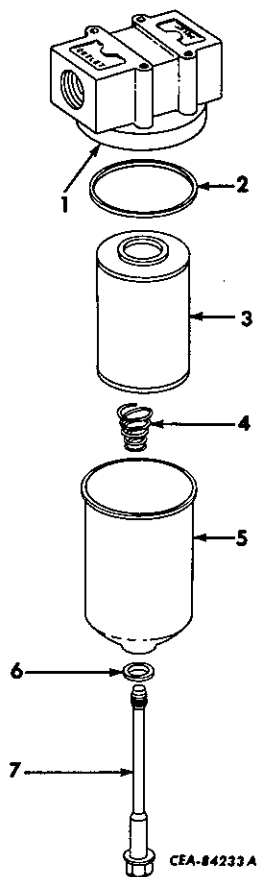
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	345 597 R2	STRAP, regulator support (2) TD-15BG 7260 to 22062 TD-15B(Agr)BGA 7260 to 25000 TD-15BCF 21281 to 22062 TD-15BGS 21676 to 22062
2	321 991 R1 179 817 103 320	COVER, valve end (2) 5/16 x 7/8" hex-hd cap SCREW (8) 5/16" lock WASHER (8)
3	321 992 R1	GASKET, valve end (2)
4	347 243 R1	SPRING, valve spool
5	346 509 R1	BALL, valve spool

REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	338 651 R94	VALVE w/BALL, 346 509 R1, PIN, 20 139 R1 and SPRING, 347 243 R1, spool
7	345 595 R2	HOUSING, regulator valve
8	321 997 R1	WASHER, spool valve spring support (2)
9	324 300 R1	SPRING, spool valve outer
10	324 299 R1	SPRING, spool valve inner
	20 139 R1	PIN, valve spool

HYDRAULIC SYSTEM

MEMORANDA

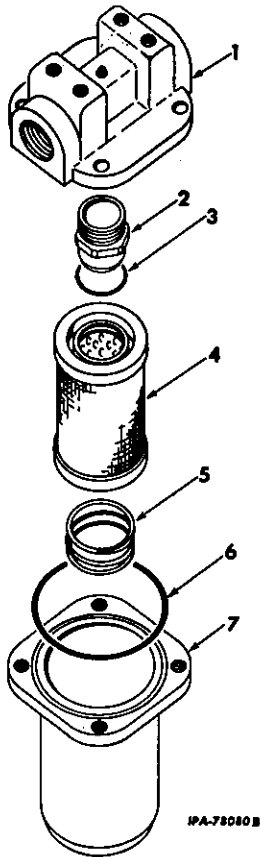
PRESSURE FILTER
 (For Manual Shift Tractors)
 (Deluxe Products Corp.)
 TD-15BG 22063 up
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	702 096 C91	FILTER ASSY, PRESSURE (Consists of the following parts -
1		BASE, oil filter (Not Serviced Separately)
2	3 402 934 R1	"O" RING, 5 x 5-1/2 x 1/4"
3	615 447 C1	ELEMENT, oil filter
4	471 633 R1	SPRING, oil filter compression
5	615 443 C1	BODY, oil filter
6	615 445 C1	GASKET, oil filter body bolt
7	615 446 C1	BOLT, oil filter holddown

HYDRAULIC SYSTEM

SUCTION FILTER
(Ripley)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicate the part is used for all filters listed below. Letters A, B, C and D are used to identify separate filters.		
A	324 704 R91	FILTER ASSY, suction (Order FILTER, 610 795 C91, for Manual Shift and Agr Crawler Tractors) (Order FILTER, 346 820 R91, for Power Shift and Sideboom Crawler Tractors)
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
B	346 820 R91	FILTER ASSY, suction (Order FILTER, 610 795 C91, for Manual Shift and Agr Crawler Tractors) (used on Power Shift and Sideboom Crawler Tractors Serial Numbers TD-15BP 6001 to 20207 and TD-15BPS 9371 to 20207)
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)

HYDRAULIC SYSTEM

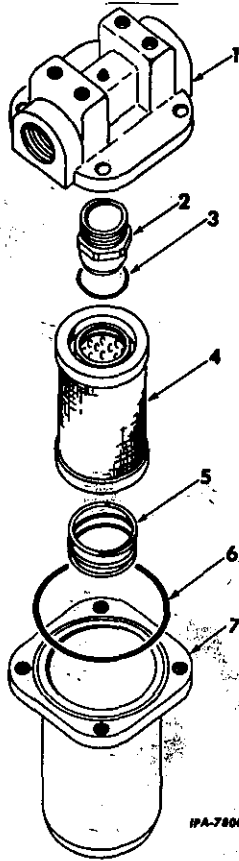
REF. NO.	I. H. PART NUMBER	DESCRIPTION
SUCTION FILTER - CONTINUED (Ripley)		

C	610 795 C91	FILTER ASSY, suction (Will work for FILTERS, 324 704 R91 and 346 820 R91, for Manual Shift and Agr Crawler Tractors) TD-15BG 7260 to 22062 TD-15B(Agr)BCA 7260 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
	179 880	1/2 x 7/8" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)
D	606 327 C91	FILTER ASSY, suction (used on Power Shift and Sideboom Crawler Tractors Serial Numbers TD-15BP 20208 up and TD-15BPS 20208 up)
	179 880	1/2 x 7/8" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (4)
E	702 624 C91	FILTER ASSY, suction (used on manual shift, custom, back filler and manual shift sideboom tractors) TD-15BG 22063 up TD-15B(Custom)BCA 25001 up TD-15BGH 22063 up TD-15BGF 22063 up
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
1		HEAD, filter (Not Furnished Separately)
2	346 823 R1	FITTING (Filter B)
3	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (Filter B, C, D and E)
4	321 029 R91	ELEMENT, filter (Filter A) (Order the following parts - 1 ELEMENT 346 821 R91 1 FITTING 346 823 R1 1 SPRING 346 822 R1)
4	346 821 R91	ELEMENT w/"O" RING, 708 560 R1, filter (Filters B and C)
4	606 390 C91	ELEMENT w/"O" RING, 708 560 R1, filter (Filter D)
4	619 214 C1	ELEMENT w/"O" RING, 708 560 R1 (Filter E)
5	346 822 R1	SPRING (Filter B, C, D, and E)
6	354 836 R1	"O" RING, 3-1/4 x 3-1/2 x 1/8" (Filters A, B, C and E)
6	257 642 R1	"O" RING, 4-1/4 x 4-1/2 x 1/8" (Filter D)
7		BODY, filter (Not Furnished Separately)

*Sec 6
P. 6
Sec 5
2*

HYDRAULIC SYSTEM

SAFETY FILTER
(Ripley)
(For Power Shift and Sideboom Crawler Tractors)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for all filters listed below. Letters A, B and C are used to identify separate filters.		
A	324 704 R91	FILTER ASSY, safety (Order FILTER, 610 795 C91)
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
B	346 820 R91	FILTER ASSY, safety (Order FILTER, 610 795 C91)
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga WASHER (4)
C	610 795 C91	FILTER ASSY, safety (Will work for FILTERS, 324 704 R91 and 346 820 R91)
	179 880	1/2 x 7/8" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
	103 343	17/32 x 1-1/16 x 13 ga WASHER (3)
1		HEAD, filter (Not Furnished Separately)
2	346 823 R1	FITTING (Filter B)

HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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SAFETY FILTER - CONTINUED
(Ripley)
(For Power Shift and Sideboom Crawler Tractors)

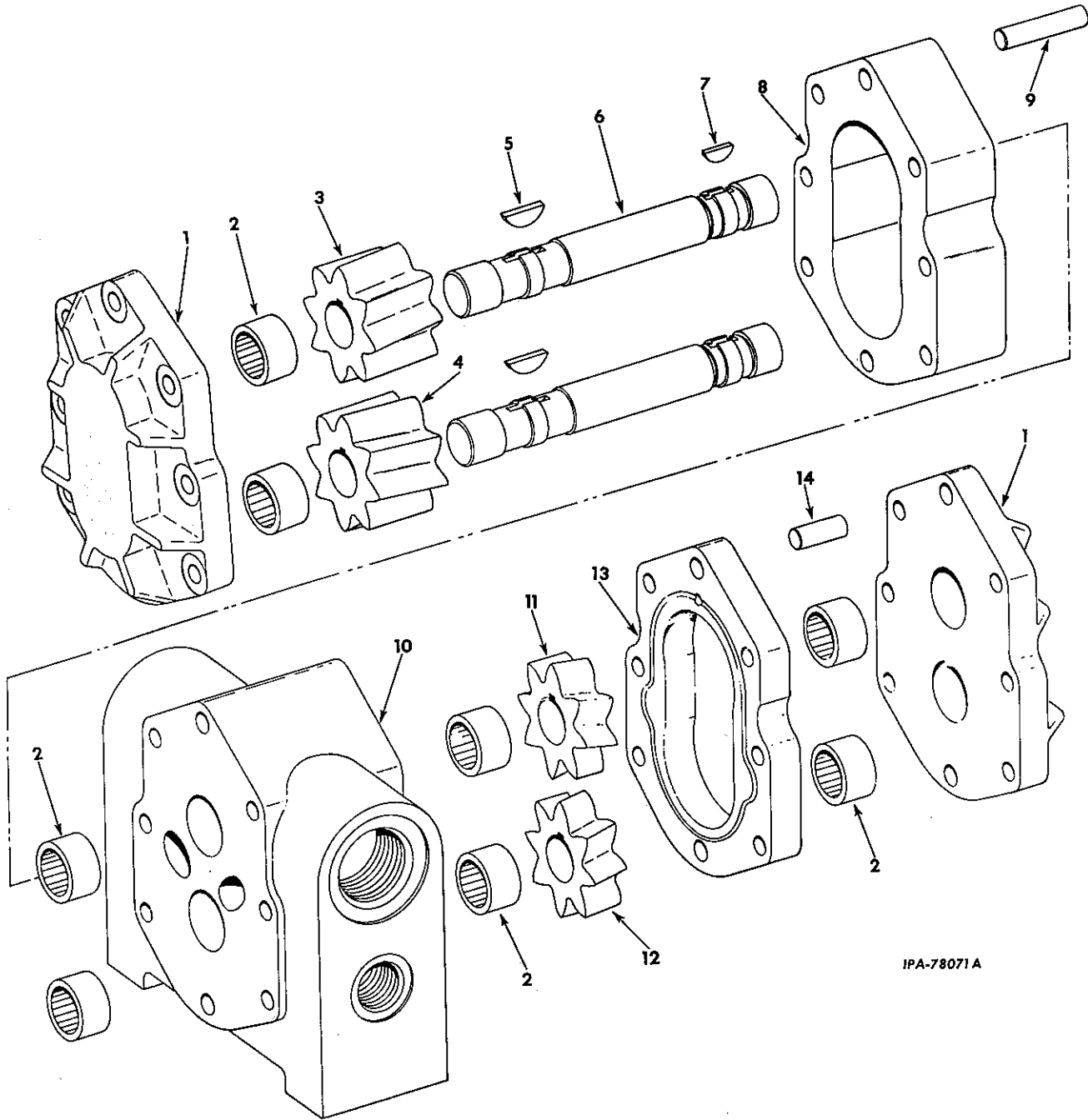
3	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (Filter B and C)
4	321 029 R91	ELEMENT, filter (Filter A) (Order the following parts 1 ELEMENT 346 821 R91 1 FITTING 346 823 R1 1 SPRING 346 822 R1)
4	346 821 R91	ELEMENT w/"O" RING, 708 560 R1, filter (Filter B and C)
5	346 822 R1	SPRING (ODIH-1005) (Filter B and C)
6	354 836 R1	"O" RING, 3-1/4 x 3-1/2 x 1/8"
7		BODY, filter (Not Furnished Separately)

HYDRAULIC SYSTEM

HYDRAULIC MOTOR AND PUMP
 (Webster) (For Manual Shift Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062

HYDRAULIC SYSTEM

HYDRAULIC MOTOR AND PUMP - CONTINUED
 (Webster) (For Manual Shift Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062



IPA-78071 A

HYDRAULIC SYSTEM

MEMORANDA

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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HYDRAULIC MOTOR AND PUMP - CONTINUED
 (Webster) (For Manual Shift Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062

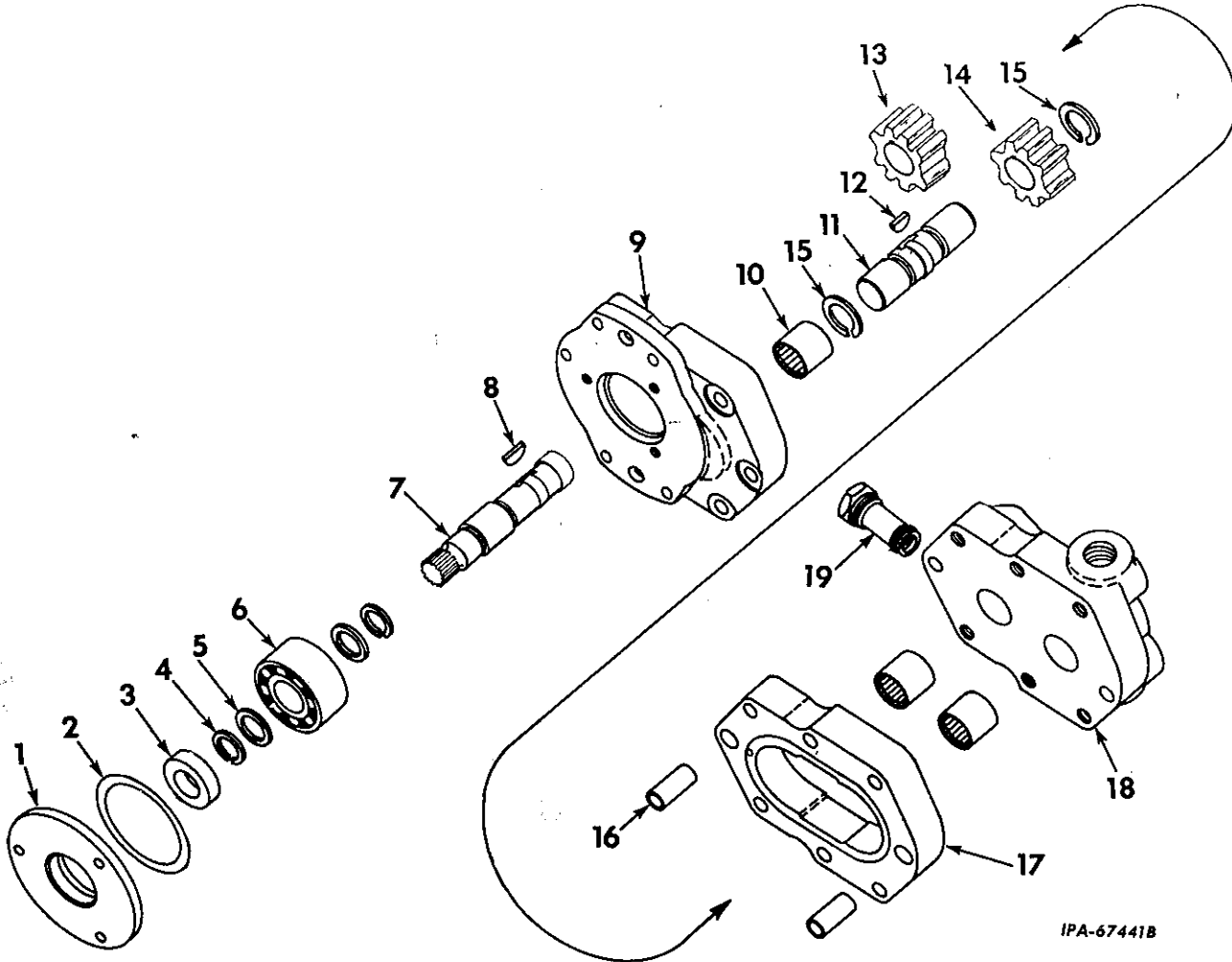
	347 511 R91	MOTOR and PUMP ASSY, hydraulic (Consists of the following parts -
1	347 936 R91	COVER w/two BEARING, 276 578 R1, pump (2)
	179 803	1/4 x 1-3/4" hex-hd cap SCREW (2)
	179 806	1/4 x 2-1/4" hex-hd cap SCREW (2)
	179 822	5/16 x 1-1/2" hex-hd cap SCREW (5)
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (5)
	103 319	1/4" lock WASHER (4)
	103 320	5/16" lock WASHER (10)
2	276 578 R91	BEARING, needle (8)
3	347 938 R1	GEAR
4	347 489 R1	GEAR
5	103 646	KEY, 1/8 x 3/4" (Woodruff No. 7) (2)
6	347 937 R1	SHAFT (2)
7	124 543	KEY, 1/8 x 1/2" (Woodruff No. 3)
8	347 940 R1	PLATE, gear
9	347 483 R1	PIN, .3745 x 1.5312" dowel (2)
10	347 939 R91	PLATE w/two BEARING, 276 578 R91, bearing
11	572 961 R1	GEAR
12	572 962 R1	GEAR
13	588 387 R1	PLATE, gear
14	572 941 R1	PIN, .3745 x .840" dowel (2)
	276 575 R1	RING, gear retaining (4)

HYDRAULIC SYSTEM

HYDRAULIC PRESSURE PUMP
 (For Manual Shift Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062

HYDRAULIC SYSTEM

HYDRAULIC PRESSURE PUMP - CONTINUED
 (For Manual Shift Tractors)
 TD-15BG 7260 to 22062
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BGF 21281 to 22062
 TD-15BGS 21676 to 22062



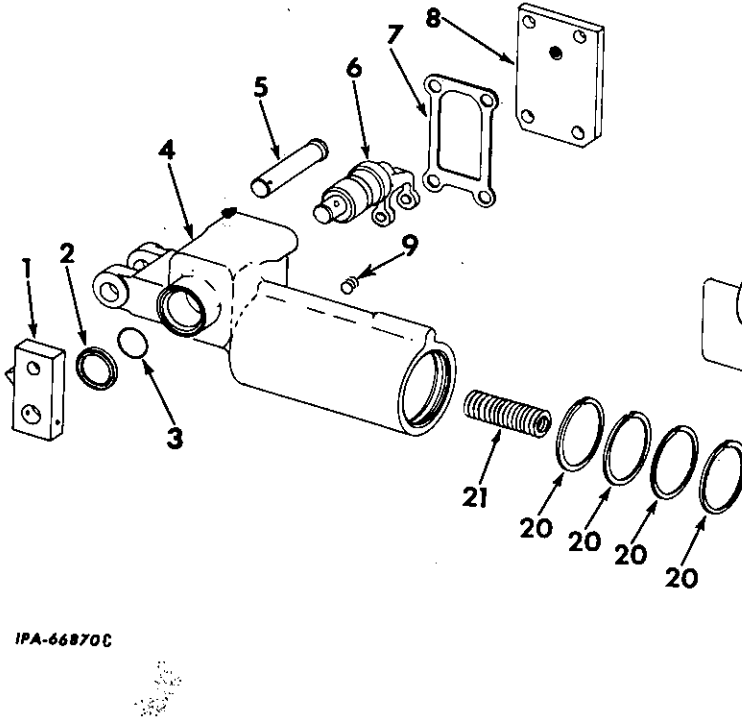
IPA-67441B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	347 803 R91	PUMP ASSY, hydraulic pressure
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2) (Consists of the following parts -
1	324 330 R1	PLATE, pilot
	144 645	No. 10 x 5/8" slt-f-hd mach SCREW (3)
2	364 145 R1	"O" RING, 2-1/8 x 2-5/16 x 3/32"
3	586 201 R91	OIL SEAL
4	276 575 R1	RING, retaining.(2)
5	276 569 R1	WASHER, flat (2)
6	8 521 T	BEARING, ball
7	603 513 C1	SHAFT, drive
8	124 547	KEY, No. 7, 1/8 x 3/4" Woodruff
9	324 329 R91	BODY w/BEARING, 276 574 R91, pump 1/4 x 2-1/4" hex-soc hd SCREW
10	276 574 R91	BEARING, needle (3)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	573 661 R1	SHAFT, idler
12	271 089	KEY, No. 213, 1/8 x 3/8" Woodruff
13	610 628 C1	GEAR, drive
14	603 511 C1	GEAR, idler
15	324 325 R1	RING, retaining (2)
16	573 657 R1	PIN, dowel
17	588 393 R1	PLATE, gear
18	603 669 C91	COVER w/two BEARING, 276 574 R91, pump
	179 806	1/4 x 2-1/4" hex-hd cap SCREW (5)
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER
	103 320	5/16" lock WASHER (2)
19	610 790 C91	CARTRIDGE, relief valve

HYDRAULIC SYSTEM

HYDRAULIC STEERING BOOSTER AND RELATED PARTS

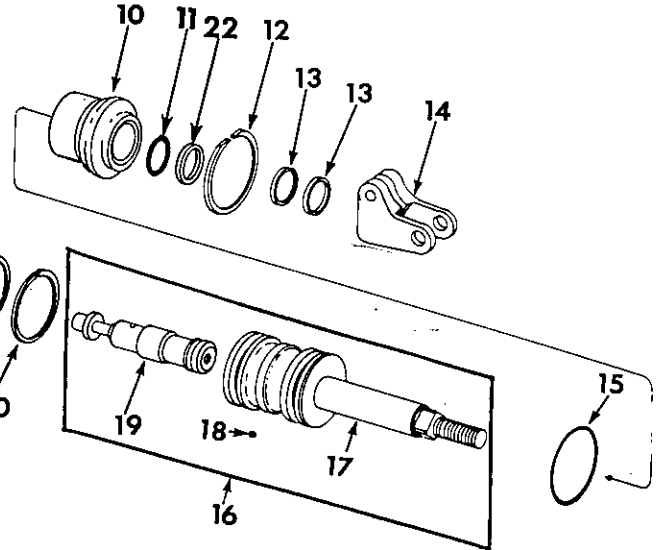


IPA-66870C

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	334 810 R93	BOOSTER ASSY, LH hydraulic steering
	334 811 R93	BOOSTER ASSY, RH hydraulic steering (Consists of the following parts -
1	331 973 R91 17 084 R1	LEVER, valve operating fork (2) PIN, 1/8 x 1-1/4" roll (2)
2	277 181 R91	SEAL and WIPER, valve operating fork (2)
3	369 908 R1	"O" RING, valve operating fork (13/16 x 1 x 3/32") (2)
4	334 812 R3 334 813 R3	HOUSING, LH booster HOUSING, RH booster
5	53 783 H 103 385	PIN, booster pivot rear (*) (2) 1/8 x 1" cotter PIN (2)
6	334 820 R2 334 821 R2	FORK, LH valve operating FORK, RH valve operating
7	334 818 R1	GASKET, housing cover (2)
8	334 822 R11 179 837 103 321	COVER, booster housing (2) 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
9	445-684	PLUG, 1/8" sq-hd pipe (4)
10	334 817 R2	SUPPORT, piston rod (2)
11	350 818 R1	"O" RING, piston rod (1 x 1-1/4 x 1/8") (2)

HYDRAULIC SYSTEM

HYDRAULIC STEERING BOOSTER AND RELATED PARTS - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
12	336 497 R1	RING, piston rod support snap (2)
13	277 181 R91	SEAL and WIPER, piston rod (4)
14	331 974 R1 179 860 103 322	CLEVIS, hydraulic booster piston (2) 7/16 x 1-1/4" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
15	379 961 R1	"O" RING, piston rod support (2-1/16 x 2-1/4 x 3/32") (two used w/BOOSTER ASSY, 334 810 R91, R92 and 334 811 R91, R92) (one used w/BOOSTER ASSY 334 810 R93 and 334 811 R93)
16	341 881 R91	PACKAGE, booster piston and valve field service (2) TD-15BP 6001 to 25883 (2) TD-15BG 7260 to 25883 (2) TD-15B(Agr)BGA 7260 to 25883 (2) TD-15B(Custom)BGA 25001 to 25883 (2) TD-15BPS 9371 to 25883 (2) TD-15BGF 21281 to 25883 (2) TD-15BGS 21676 to 25883
16	620 322 C91	PACKAGE, booster piston and valve field service (2) TD-15BP 25884 up (2) TD-15BPS 25884 up (2) TD-15BG 25884 up (2) TD-15BGF 25884 up (2) TD-15BGS 25884 up (2) TD-15B(Custom)BGA 25884 up

(*) - Not Furnished As Part Of Booster Assy.,
334 810 R91 Or 334 811 R91.

HYDRAULIC SYSTEM

MEMORANDA

HYDRAULIC STEERING BOOSTER AND RELATED PARTS

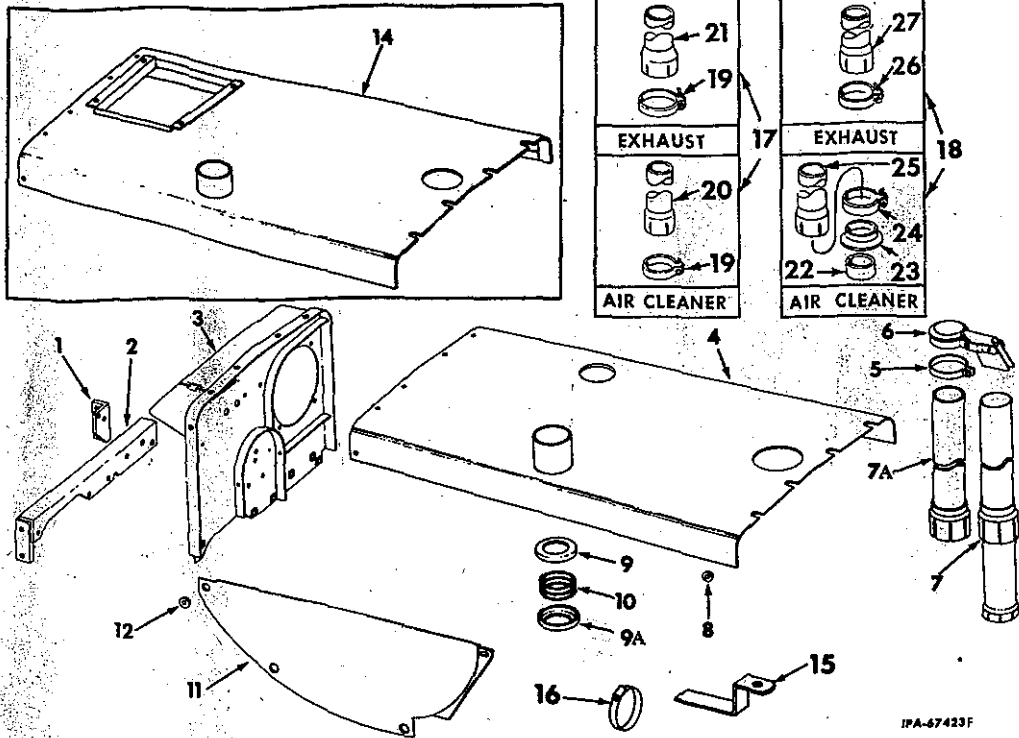
- 17 PISTON, booster (not furnished separately)
- 18 341 922 R1 BALL, piston booster (2)
- 19 VALVE, booster piston (not furnished separately)
- 20 272 259 R1 RING, piston sealing (8)
- 21 331 975 R1 SPRING, piston valve return
 - (2) TD-15BP 6001 to 25883
 - (2) TD-15BG 7260 to 25883
 - (2) TD-15B(Agr)BGA 7260 to 25883
 - (2) TD-15B(Custom)BGA 25001 to 25883
 - (2) TD-15BPS 9371 to 25883
 - (2) TD-15BGF 21281 to 25883
 - (2) TD-15BGS 21676 to 25883
- 21 620 321 C1 SPRING, piston valve return
 - (2) TD-15BP 25884 up
 - (2) TD-15BPS 25884 up
 - (2) TD-15BG 25884 up
 - (2) TD-15BGF 25884 up
 - (2) TD-15BGS 25884 up
 - (2) TD-15B(Custom)BGA 25884 up
- 22 625 776 C1 RING, piston rod ring back-up (Not furnished as part of BOOSTER ASSY, 334 810 R91, R92 or 334 811 R91, R92)

MEMORANDA

MEMORANDA

HOOD, DASH AND ENGINE SIDE SHEETS

HOOD, DASH AND ENGINE SIDE SHEETS - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 438 R1 102 639 271 556	BRACKET, support angle 5/8" NUT (2) 5/8 x 1-1/4" hex-hd cap SCREW (2)
2	334 487 R11 271 555	SUPPORT, dash 5/8 x 1-1/8" hex-hd cap SCREW (2)
3	334 483 R21	DASH (together with two INSULATORS 604 872 C91 will work for DASH 334 483 R11) TD-15BP 22001 to 22975 TD-15BG 22001 to 22975 TD-15B(Agr)BGA 22001 to 25000 TD-15BPS 22001 to 22975 TD-15BGF 22001 to 22975 TD-15BGS 22001 to 22975
3	703 491 C1	DASH TD-15BP 22976 up TD-15BG 22976 up TD-15B(Custom)BGA 25000 up TD-15BPS 22976 up TD-15BGF 22976 up TD-15BGS 22976 up
3	103 885 103 323	1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER
4	334 944 R21	HOOD (together with CLAMP, 274 090 R91, CLAMP, 327 094 R91 and HOSE, 331 914 R1 will work for 334 944 R11) (*) TD-15BP 6001 to 20420 TD-15BG 7260 to 20420 TD-15B(Agr)BGA 7260 to 20420 TD-15BPS 9371 to 20420

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4	609 997 C11	HOOD (*) TD-15BP 20421 to 21634 TD-15BPS 20421 to 21634 TD-15BG and TD-15B(Agr)BGA 20421 to 21607, also 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15BGF 21281 up TD-15BGS 21676 up
4	700 319 C1	HOOD (*) TD-15BP 21635 to 22975 TD-15BPS 21635 to 22975 TD-15BG and TD-15B(Agr)BGA 21608 to 25000, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627, and 21628 TD-15BGF 21281 to 22975 TD-15BGS 21676 to 22975
4	703 489 C1	HOOD TD-15BP 22976 up TD-15BG 22976 up TD-15B(Custom)BGA 25001 up TD-15BPS 22976 up TD-15BGF 22976 up TD-15BGS 22976 up
	179 882 179 883 114 608 103 343 433 659 R1	1/2 x 1-1/8" hex-hd cap SCREW (6) 1/2 x 1-1/4" hex-hd cap SCREW (4) 1/2" ext-tooth lock WASHER (10) 17/32 x 1-1/16" x 13 ga WASHER (4) WASHER; 17/32 x 1-1/16" x 13 ga (2)

(*) - Not Used With Heavy Duty Air Cleaner.

HOOD, DASH AND ENGINE SIDE SHEETS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HOOD, DASH AND ENGINE SIDE SHEETS - CONTINUED		
5	333 908 R91	CLAMP, exhaust extension (*) (2)
6	336 649 R91	CAP, weather (*)
7	337 614 R11	PIPE, exhaust extension (*) TD-15BP 6001 to 6640
7A	620 162 C1	PIPE, chrome exhaust (Part of ATTACHMENT, also 620 171 C91) TD-15BP 6641 up TD-15BG 7260 up TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BCS 21676 up
8	334 950 R2	WASHER, hood sheet pilot (4)
9	337 600 R1	RETAINER, exhaust spring (2) TD-15BP 6001 to 9194 (2) TD-15BG 7260 to 9194 (2) TD-15B(Agr)BGA 7260 to 9194
9	607 709 C1	RETAINER, exhaust spring upper TD-15BP 9195 up TD-15BG 9195 up TD-15B(Agr)BGA 9195 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
9A	604 389 C1	RETAINER, exhaust spring lower TD-15BP 9195 up TD-15BG 9195 up TD-15B(Agr)BGA 9195 to 25000 TD-15B(Custom)BGA 25001 up TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
10	337 559 R1	SPRING, exhaust baffle
11	334 947 R21	SHEET, LH engine side TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
11	620 265 C1	SHEET, LH engine side TD-15BP 25001 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up
11	334 948 R91	SHEET, RH engine side TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 up TD-15BGF 21281 up TD-15BGS 21676 up
11	620 266 C1	SHEET, RH engine side TD-15BP 25001 up TD-15BG 25001 up TD-15B(Custom)BGA 25001 up
	19 508 R1	NUT, 5/8" Esna (2)
	271 554	5/8 x 1" hex-hd cap SCREW (6)
	271 558	5/8" x 1-1/2" hex-hd cap SCREW (2)
12	334 951 R1	WASHER, engine side sheet pilot (8)

HOOD, DASH AND ENGINE SIDE SHEETS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HOOD, DASH AND ENGINE SIDE SHEETS - CONTINUED		
14	607 589 C11	HOOD (used with heavy duty air cleaner ATTACHMENT, -607 592 C94) TD-15BP 6001 to 20420 TD-15BG 7260 to 20420 TD-15B(Agr)BGA 7260 to 20420 TD-15BPS 9371 to 20420
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (6)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (4)
	114 608	1/2" external tooth lock WASHER (10)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (6)
14	612 763 C91	HOOD (used with heavy duty air cleaner ATTACHMENT, 612 708 C92 or 703 189 C91) TD-15BP 20421 to 21634 TD-15BPS 20421 to 21634 TD-15BG and TD-15B(Agr)BGA 20421 to 21607, also 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15BGF 21281 up TD-15BGS 21676 up
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (6)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (4)
	114 608	1/2" external tooth lock WASHER (10)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (hood rear) (4)
	433 659 R1	WASHER, (hood rear side) (2)
14	612 705 C11	HOOD (used with heavy duty air cleaner ATTACHMENT, 612 708 C92 or 703 189 C91) (*) TD-15BP 21635 up TD-15BPS 21635 up TD-15BG and TD-15B(Agr)BGA 21608 to 25000, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627, and 21628 TD-15BGF 21281 up TD-15BGS 21676 up
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (6)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (4)
	114 608	1/2" external tooth lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (hood rear) (4)
	334 950 R2	WASHER, flat hood sheet pilot (4)
	433 659 R91	WASHER, flat (hood rear side) (2)
15	251 153 R1	SUPPORT, air cleaner outlet to turbocharger inlet tube TD-15BP 22228 to 22975 TD-15BG 22228 to 22975 TD-15BPS 22228 to 22975 TD-15BGF 22228 to 22975 TD-15BCS 22228 to 22975
	179 837	3/8 x 3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
	102 635	NUT, 3/8" Esna
16	279 029 R91	CLAMP, support turbo inlet tube TD-15BP 22228 to 22975 TD-15BG 22228 to 22975 TD-15BPS 22228 to 22975 TD-15BGF 22228 to 22975 TD-15BCS 22228 to 22975

(*) - Not Used With Heavy Duty Air Cleaner.

HOOD, DASH AND ENGINE SIDE SHEETS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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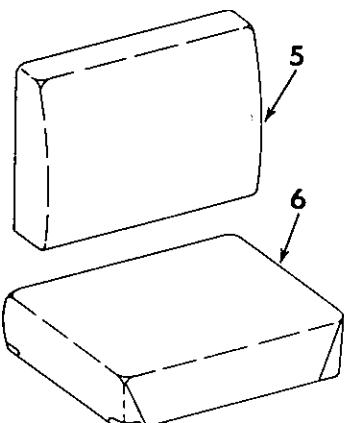
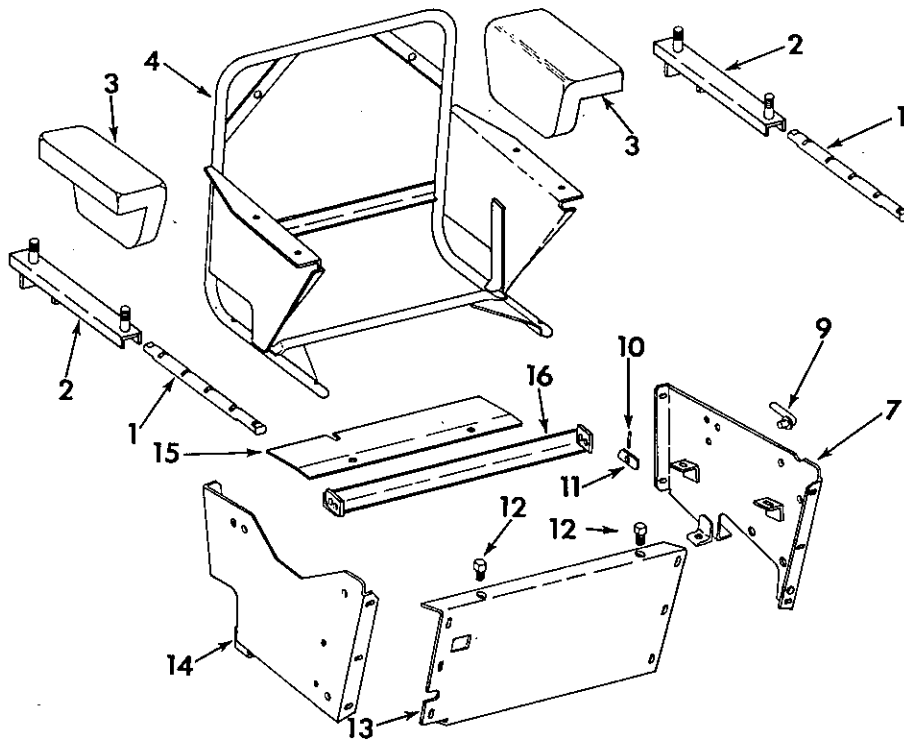
HOOD, DASH AND ENGINE SIDE SHEETS - CONTINUED

17	620 171 C91	ATTACHMENT, air pipe extension w/chrome exhaust tube (includes Re. Nos. 5, 7A, 19, 20 and 21) (See NOTE 3) TD-15BP 6641 to 22975 TD-15BG 7260 to 22975 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 22975 TD-15BGF 21281 to 22975 TD-15BGS 21676 to 22975
18	620 172 C91	ATTACHMENT, air pipe extension w/chrome exhaust extension (Includes Ref. Nos. 22 thru 27) (See NOTE 3) TD-15BP 22976 up TD-15BG 22976 up TD-15B(Custom)BGA 25001 up TD-15BPS 22976 up TD-15BGF 22976 up TD-15BGS 22976 up
19	331 915 R91	CLAMP, air intake tube (2)
20	337 587 R1	TUBE, air intake
21	620 161 C1	TUBE, (chrome) exhaust extension
22	620 110 C1	TUBE, air intake extension adapter
23	620 111 C1	SEAL, air intake tube
24	620 113 C1	CLAMP, air intake tube
25	620 112 C1	TUBE, air intake extension
26	331 915 R91	CLAMP, exhaust extension tube
27	620 161 C1	TUBE, (chrome) exhaust extension

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

SEAT, PLATFORMS AND SUPPORTS

SEAT AND SUPPORTS
 TD-15BP 6001 to 8229
 TD-15BG 7260 to 8229
 TD-15B(Arg)BGA 7260 to 8229



IPA-67739A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	307 316 R1	RAIL, seat frame slide (2)
	102 634	5/16" NUT (4)
	179 820	5/16 x 1-1/4" hex-hd cap SCREW (cd or zn-pltd) (4)
	103 320	5/16" lock WASHER (4)
	103 340	11/32 x 11/16" x 16 ga WASHER (4)
2	316 954 R91	CHANNEL, seat frame slide (2)
3	324 126 R91	CUSHION, seat side (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (6)
	103 320	5/16" lock WASHER (6)
	103 340	11/32 x 11/16" x 16 ga WASHER (6)
4	316 951 R92	FRAME, seat
	102 634	5/16" NUT (4)
	103 320	5/16" lock WASHER (4)
5	327 119 R91	CUSHION, seat back
	179 820	5/16 x 1-1/4" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	103 340	11/32 x 11/16" x 16 ga WASHER (2)
6	322 943 R91	CUSHION, seat bottom
7	334 745 R11	SHEET, LH seat side (%)
7	334 744 R11	SHEET, LH seat side (#)
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
9	320 647 R11	HANDLE, seat lock cam
10	17 145 R1	PIN, 3/16 x 3/4" roll
11	320 648 R1	CAM, seat lock
12	270 986 R1	GUIDE, seat cushion bottom (2)
	102 635	3/8" NUT (2)
	103 321	3/8" lock WASHER (2)

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SEAT, PLATFORMS AND SUPPORTS

SEAT AND SUPPORTS - CONTINUED
 TD-15BP 6001 to 8229
 TD-15BG 7260 to 8229
 TD-15B(Arg)BGA 7260 to 8229

REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	330 542 R1	SUPPORT, front seat
	102 635	3/8" NUT (6)
	179 838	3/8 x 7/8" hex-hd cap SCREW (cd or zn-pltd) (10)
	103 321	3/8" lock WASHER (10)
	103 341	13/32 x 13/16" x 16 ga WASHER (8)
14	334 342 R11	SHEET, RH seat side (not used with 1540 hydraulic control unit)
14	330 541 R11	SHEET, RH seat side (used with 1540 hydraulic control unit)
	179 838	3/8 x 7/8" hex-hd cap SCREW (cd or zn-pltd) (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
15	316 966 R2	BAFFLE, air
	103 024	1/4NF NUT (2)
	181 309	1/4NF x 1/2" hex-hd cap SCREW (cd or zn-pltd) (2)
	103 319	1/4" lock WASHER (2)
16	316 962 R91	SUPPORT, rear seat
	102 635	3/8" NUT (4)
	179 839	3/8" x 1" hex-hd cap SCREW (cd or zn-pltd) (4)
	103 321	3/8" lock WASHER (4)
	331 952 R1	STIFFENER, seat side sheet
	271 500	7/16" NUT
	179 857	7/16 x 7/8" hex-hd cap SCREW
	103 322	7/16" lock WASHER
	318 329 R1	WASHER, seat lock cam spring

(%) - For Manual Shift And Agr. Crawler Tractors
 (#) - For Power Shift Crawler Tractors.

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SEAT, PLATFORMS AND SUPPORTS

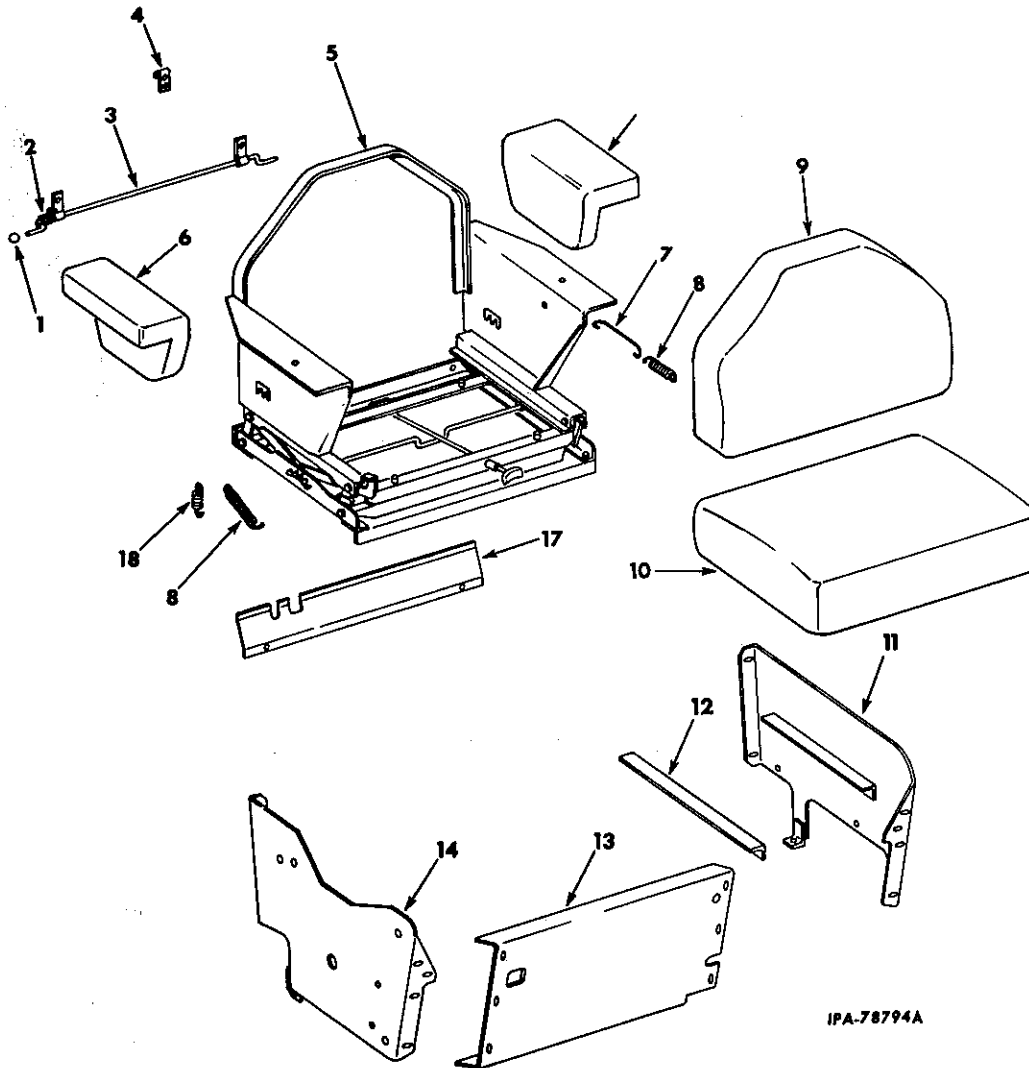
SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT

- TD-15BP 8230 up
- TD-15BG 8230 up
- TD-15B(Agr)BGA 8230 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 9371 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up

SEAT, PLATFORMS AND SUPPORTS

SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT - CONTINUED

- TD-15BP 8230 up
- TD-15BG 8230 up
- TD-15B(Agr)BGA 8230 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 9371 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	148 689 R1	KNOB, plastic (2)
2	603 909 C1	SPRING, rod torsion
3	603 908 C91	ROD w/SPRING, 603 909 C1, cushion adjuster
	155 348	1/4 x 3/4" cr-rec-hd SCREW (2)
	103 319	1/4" lock WASHER (2)
	106 260	1/4 x 9/16" x 16 ga WASHER (2)
4	603 907 C1	CLIP, back cushion (2)
	155 348	1/4 x 3/4" cr-rec-hd SCREW (4)
	103 319	1/4" lock WASHER (4)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
5	702 468 C91	BASE and FRAME, seat
	179 857	7/16 x 7/8" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
	103 342	15/32 x 59/64 x 16 ga WASHER (4)
6	702 471 C1	CUSHION, seat side (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (4)
	103 320	5/16" lock WASHER (4)
7	603 912 C1	EXTENSION, spring wire
8	383 296 R1	SPRING, linkage (2)
9	702 470 C1	CUSHION, seat back

SEAT, PLATFORMS AND SUPPORTS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT - CONTINUED		
TD-15BP 8230 up		
TD-15BG 8230 up		
TD-15B(Agr)BGA 8230 to 25000		
TD-15B(Custom)BGA 25001 up		
TD-15BPS 9371 up		
TD-15BGF 21281 up		
TD-15BGS 21676 up		
10	702 469 C2	CUSHION, seat bottom
11	703 365 C1	SHEET, LH seat side (Together with BRACKET, 611 491 C1 will work for SHEET, 604 154 C11) (%)
11	345 908 R41	SHEET, LH seat side (Together with BRACKET, 611 491 C1 will work for SHEET, 345 908 R21) (#)
11	650 222 C1	SHEET, LH seat side (+)
	179 838	3/8" x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga. WASHER (2)
	102 635	3/8" NUT (2)
12	331 952 R1	STIFFENER, seat side sheet
	271 500	7/16" NUT
	179 857	7/16 x 7/8" hex-hd cap SCREW
	103 322	7/16" lock WASHER
13	345 907 R2	SUPPORT, front seat
	102 635	3/8" NUT (4)
	271 500	7/16" NUT (4)
	179 838	3/8 x 7/8" hex-hd cap SCREW (6)
	179 857	7/16 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga WASHER (6)
	103 322	7/16" lock WASHER (4)
	103 342	15/32 x 59/64" x 16 ga WASHER (4)
14	604 150 C21	SHEET, RH seat side (Together with BRACKET, 611 492 C1 will work for SHEET, 604 150 C11) (Not used with 1540 hydraulic control unit)
14	345 910 R31	SHEET, RH seat side (Together with BRACKET, 611 492 C1 will work for SHEET, 345 910 R21) (Used with 1540 hydraulic control unit)
14	650 224 C1	SHEET, RH seat side (+)
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga. WASHER (2)
	102 635	3/8" NUT (2)
17	345 916 R11	BAFFLE, rear air
	179 834	3/8 x 9/16" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
18	603 913 C1	SPRING, linkage arm
	611 491 C1	BRACKET, LH seat side sheet mounting (Required with SHEETS, 703 365 C11 and 345 908 R31 to replace SHEETS, 604 154 C11 and 345 908 R21, respectively).
	611 492 C1	BRACKET, RH seat side sheet mounting (Required with SHEETS, 604 150 C21 and 345 910 R31 to replace SHEETS, 604 150 C11 and 345 910 R21, respectively).

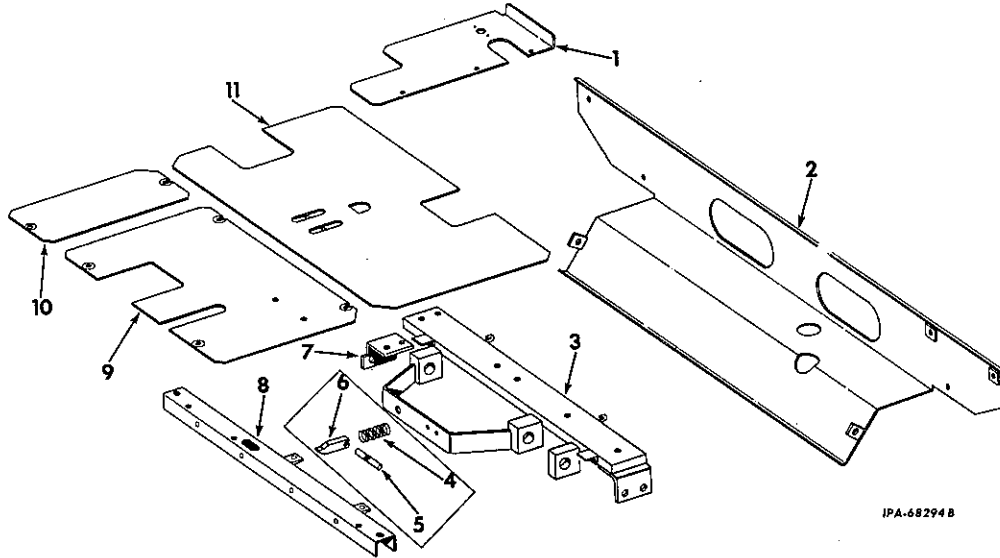
(+) - For Custom Crawler Tractors

(%) - For Manual Shift and Agr. Crawler Tractors.

(#) - For Power Shift And Sideboom Crawler Tractors.

SEAT, PLATFORMS AND SUPPORTS

PLATFORMS AND SUPPORTS
(Not For Custom Crawler Tractors)



IPA-68294B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
334 748 R11		PLATFORM, rear (not used with 1540 hydraulic control unit)
180 120		3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (3)
180 122		3/8 x 1" hex-hd cap SCREW (cd or zn-pltd) (2)
103 321		3/8" lock WASHER (5)
334 133 R11		SHEET, rear cover (not used with 15-260 cable control unit)
102 635		3/8" NUT (2)
179 840		3/8 x 1-1/8" hex-hd cap SCREW (cd or zn-pltd) (7)
103 321		3/8" lock WASHER (7)
103 341		13/32 x 13/16" x 16 ga WASHER (7)
334 746 R93		BAR, Platform Support (%) TD-15BG 7260 to 23040 TD-15B(Agr)BGA 7260 to 25000 TD-15BGF 21281 to 23040 TD-15BGS 21676 to 23040
334 134 R93		BAR, Platform Support (#) TD-15BP 6001 to 23040 TD-15BPS 9371 to 23040
624 210 C1		BAR, Platform Support TD-15BG 23041 up TD-15BGF 23041 up TD-15BGS 23041 up TD-15BP 23041 up TD-15BPS 23041 up
102 637		1/2" NUT (2)
179 883		1/2 x 1-1/4" hex-hd cap SCREW (cd-or zn-pltd) (2)
103 323		1/2" lock WASHER (2)
278 509 R1		SPRING, latch (used with PLATFORMS, 334 136 R21 and 334 747 R21)
278 508 R1		PIN, latch (used with PLATFORMS, 334 136 R21 and 334 747 R21)
278 507 R1		PLUNGER, latch (used with PLATFORMS, 334 136 R21 and 334 747 R21)
325 593 R1		BRACKET, plate support bar
102 637		1/2" NUT (2)
179 883		1/2 x 1-1/4" hex-hd cap SCREW (cd or zn-pltd) (2)

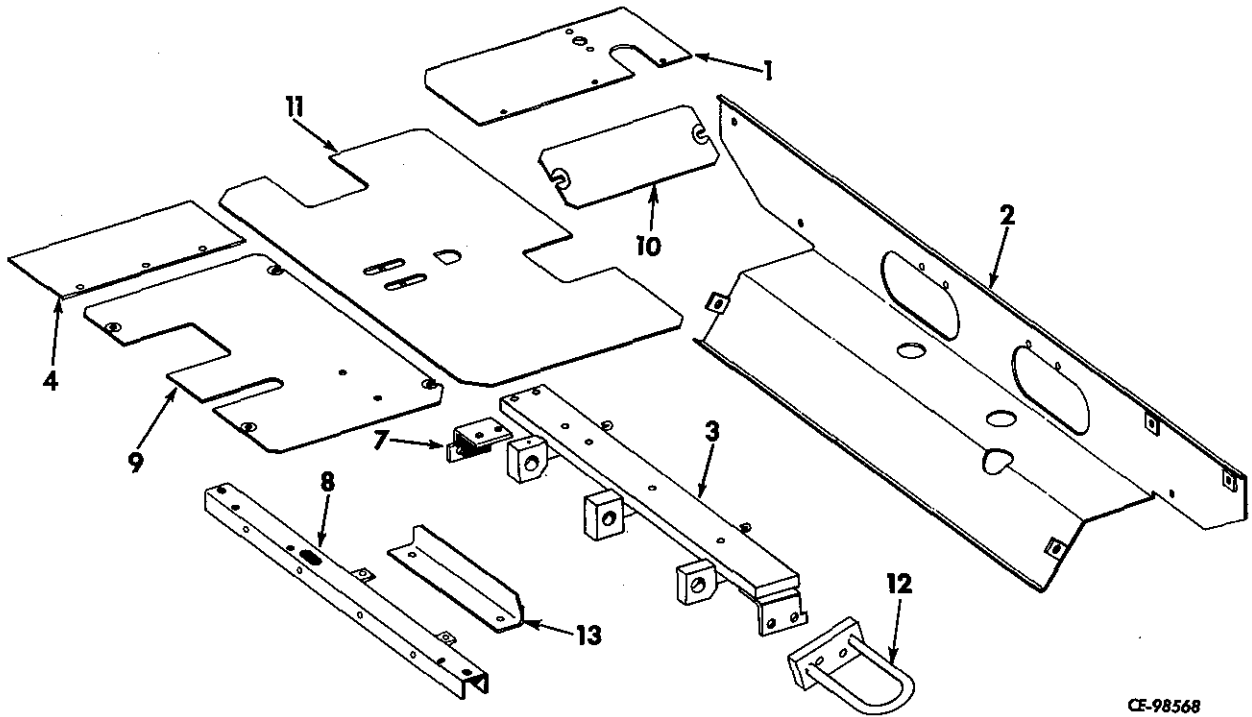
PLATFORMS AND SUPPORTS - CONTINUED
(Not For Custom Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
179 882		1/2 x 1-1/8" hex-hd cap SCREW (cd or zn-pltd) (2)
103 323		1/2" lock WASHER (4)
103 343		17/32 x 1-1/16" x 13 ga WASHER (2)
8	607 821 C12	CHANNEL, platform support
179 838		3/8 x 7/8" hex-hd cap SCREW (cd or zn-pltd) (2)
103 321		3/8" lock WASHER (2)
9	334 749 R1	PLATFORM, LH front (%) (not equipped with Decelerator)
9	334 137 R1	PLATFORM, LH front (%) (equipped with Decelerator)
9	334 137 R1	PLATFORM, LH front (#)
180 120		3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (4)
103 321		3/8" lock WASHER (4)
103 341		13/32 x 13/16" x 16 ga WASHER (2)
10	325 603 R1	PLATFORM, RH front
180 120		3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (2)
103 321		3/8" lock WASHER (2)
103 341		13/32 x 13/16" x 16 ga WASHER (2)
11	609 745 C11	PLATFORM, center (will work for PLATFORM, 334 136 R21) (#) TD-15BP 6229 up TD-15BPS 9371 up
11	609 746 C11	PLATFORM, center (will work for PLATFORM, 334 747 R21) (%)
278 506 R1		BODY, center platform latch (used with PLATFORMS, 334 136 R21 and 334 747 R21)
330 553 R11		HANDLE, asset
102 637		1/2" NUT (2)
179 883		1/2 x 1-1/4" hex-hd cap SCREW (2)
103 323		1/2" lock WASHER (2)
264 630 R1		SPACER, rear cover (2)
334 750 R1		PLATFORM, center auxiliary (%)
102 635		3/8" NUT (2)
179 839		3/8 x 1" hex-hd cap SCREW (2)
103 321		3/8" lock WASHER (2)

(%) - For Manual Shift Crawler Tractors.
(#) - For Power Shift and Sideboom Power Shift Crawler Tractors.

SEAT, PLATFORMS AND SUPPORTS

PLATFORMS AND SUPPORTS
(For Custom Crawler Tractors)
TD-15B(Custom)BGA 25001 up



CE-98568

SEAT, PLATFORMS AND SUPPORTS

PLATFORMS AND SUPPORTS - CONTINUED
(For Custom Crawler Tractors)
TD-15B(Custom)BGA 25001 up

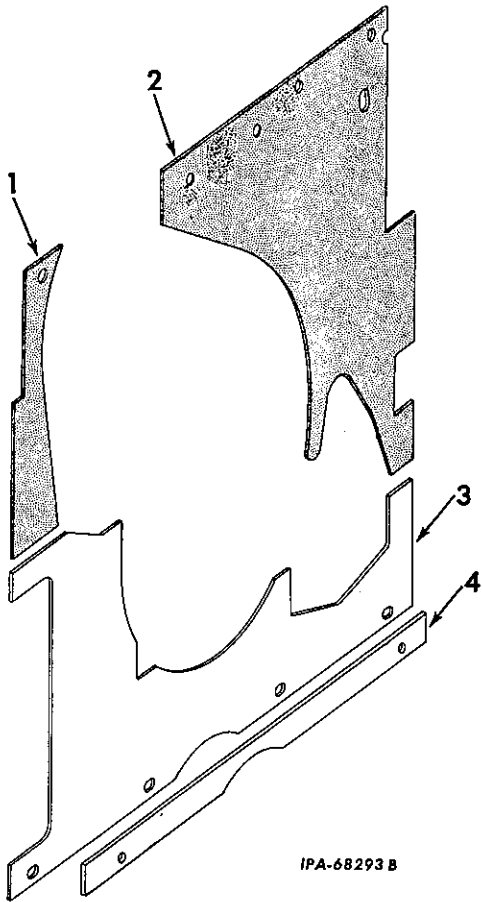
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	650 226 C1	PLATFORM, RH rear
	180 120	3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (3)
	180 122	3/8 x 1" hex-hd cap SCREW (cd or zn pltd) (2)
	103 321	3/8" lock WASHER (5)
2	650 229 C2	SHEET, rear cover
	102 635	3/8" NUT (2)
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (cd or zn-pltd) (7)
	103 321	3/8" lock WASHER (7)
	103 341	13/32 x 13/16" x 16 ga. WASHER (7)
3	650 192 C1	BAR, platform support
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (cd-or zn-pltd) (2)
	103 323	1/2" lock WASHER (2)
4	650 228 C1	PLATFORM, LH rear
	180 120	3/8 x 3/4" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	103 341	13/32 x 13/16 x 16 ga. WASHER (3)
7	325 593 R1	BRACKET, plate support bar
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (cd or zn-pltd) (2)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (cd or zn-pltd) (2)
	103 323	1/2" lock WASHER (4)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
8	607 821 C12	CHANNEL, platform support
	179 838	3/8 x 7/8" hex-hd cap SCREW (cd or zn-pltd) (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16 x 16 ga WASHER (2)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
9	334 749 R1	PLATFORM, LH front (not equipped with Decelerator)
9	334 137 R1	PLATFORM, LH front (equipped with Decelerator)
	179 839	3/8 x 1" hex-hd cap SCREW
	180 120	17/32 x 1-1/16" x ga WASHER
	103 321	3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (4)
	103 341	3/8" lock WASHER (4)
	613 058 C1	13/32 x 13/16" x 13 ga WASHER (2)
		WASHER, pinned platform retainer
10	325 603 R1	PLATFORM, RH front
	180 120	3/8 x 3/4" hex-hd cap SCREW (cd or zn-pltd) (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
11	650 211 C1	PLATFORM, center
12	330 553 R11	HANDLE, asset
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	264 630 R1	SPACER, rear cover (x)
13	334 750 R1	PLATFORM, center auxiliary
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

(x) - As Required

SEAT PLATFORMS AND SUPPORTS

ENGINE CLUTCH AIR BAFFLES, TORQUE CONVERTER AIR
BAFFLES AND TRANSMISSION AIR BAFFLES



IPA-68293 B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all baffles listed below: Letters "A", "B" and "C" are used to identify separate baffles.
A		Service parts for engine clutch air BAFFLES (for Manual Shift or Agr. Crawler Tractors) TD-15BG and TD-15B(Agr)BGA 7260 to 21607, also 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628 TD-15BGF 21281 to 21634
B		Service parts for torque converter air BAFFLES (For Power Shift and Sideboom Crawler Tractors) TD-15BP 6769 up
C	345 593 R91	ATTACHMENT, transmission air baffles (see NOTE 3) (for Power Shift Crawler Tractors) TD-15BP 6001 to 6768
1	344 035 R2 179 885 103 323 334 950 R2	BAFFLE, RH top air (together with WASHER, 334 950 R2, will work for 334 035 R1) 1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER WASHER, pilot

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SEAT, PLATFORMS AND SUPPORTS

ENGINE CLUTCH AIR BAFFLES, TORQUE CONVERTER AIR
BAFFLES AND TRANSMISSION AIR BAFFLES - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	344 034 R2 179 885 179 888 103 323 334 950 R2	BAFFLE, LH top air (together with four WASHER, 334 950 R2, will work for 344 034 R1) 1/2 x 1-1/2" hex-hd cap SCREW (3) 1/2 x 1-7/8" hex-hd cap SCREW 1/2" lock WASHER (4) WASHER, pilot (4)
3	344 033 R1 179 833 103 321	BAFFLE, bottom air 3/8 x 1/2" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
4	345 589 R1 179 838 103 321	STIFFENER, bottom air baffle (Attachment C) 3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

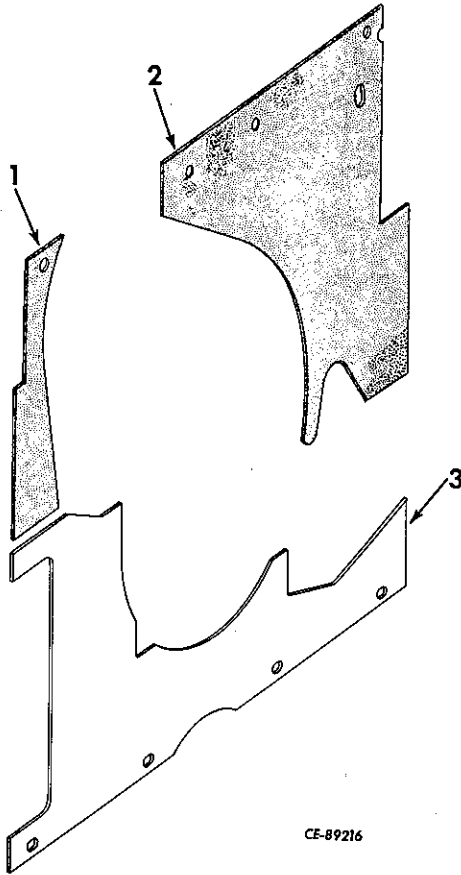
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SEAT, PLATFORMS AND SUPPORTS

MEMORANDA

ENGINE CLUTCH AIR BAFFLES, TORQUE CONVERTER AIR BAFFLES AND TRANSMISSION AIR BAFFLES

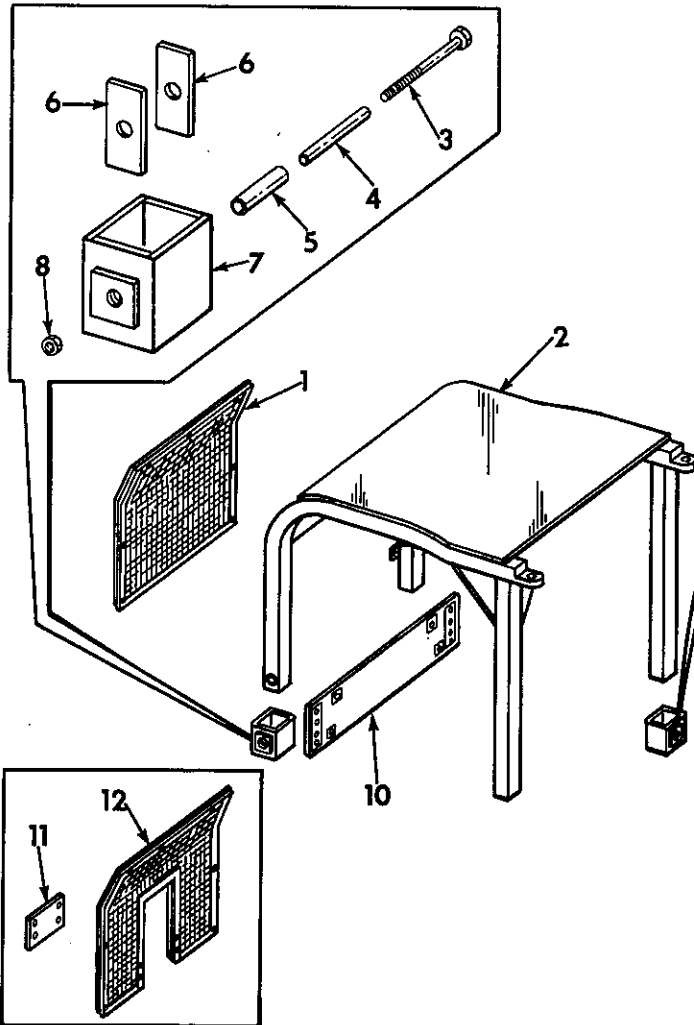
TD-15BG 21608 up, except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628
 TD-15B(Agr)BGA 21608 to 25000 except 21609 to 21616, 21618, 21619, 21621, 21622, 21624, 21625, 21627 and 21628
 TD-15B(Custom)BGA 25001 up
 TD-15BGF 21635 up
 TD-15BGS 21676 up



REF. NO.	I.I. PART NUMBER	DESCRIPTION
1	611 453 C1	BAFFLE, RH top air
	179 885	1/2 x 1-1/2" hex-hd cap SCREW
	103 323	1/2" lock WASHER
	334 950 R2	WASHER, pilot
2	611 452 C1	BAFFLE, LH top air
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	179 888	1/2 x 1-7/8" hex-hd cap SCREW
	103 323	1/2" lock WASHER (4)
	334 950 R2	WASHER, pilot (4)
3	611 451 C1	BAFFLE, bottom air
	179 833	3/8 x 1/2" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)

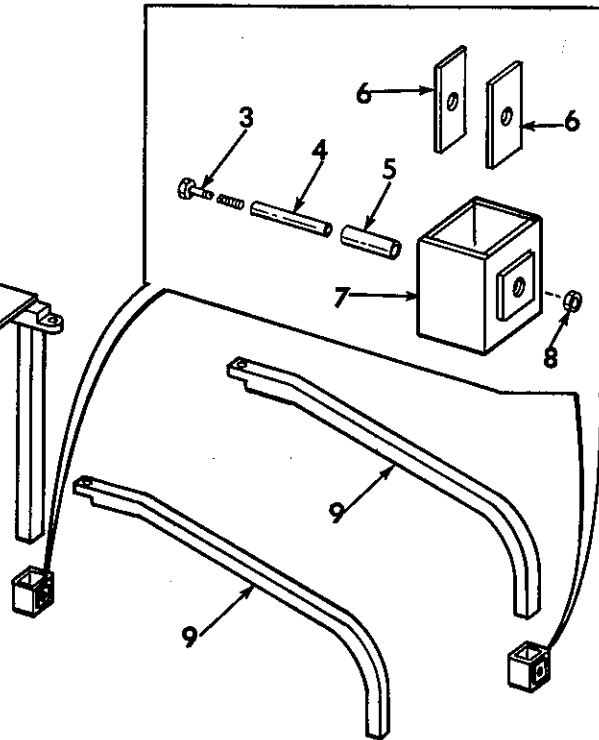
CANOPY

CANOPY
(Rollover Protective Structure)



CANOPY

CANOPY - Continued
(Rollover Protective Structure)



CE-99110

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	645 944 C1 180 181 19 605 R1	SCREEN, rear SCREW, 1/2 x 2" hex-hd cap (7) NUT, 1/2" (7)
2	646 078 C1	CANOPY
3	21 466 R1 557 273 R1	SCREW, 1 x 8-1/2" hex-hd cap (6) WASHER (12)
4	646 068 C1	TUBE, shock mount (6)
5	646 069 C1	INSULATOR, shock mount (6)
6	646 070 C1	SHEET, shock mount (12)
7	646 065 C1	SOCKET, canopy rear, center and front mounting (6)
8	19 515 R1	NUT, 1" (6)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
9	646 084 C1 645 938 C1 272 080 103 415 646 071 C1 557 274 R1	SWEEP, front (2) BOLT, sweep to canopy mounting (2) NUT, 1-1/8" slotted (2) PIN, 3/16 x 3" cotter (2) WASHER (2) WASHER (2)
10	645 756 C1 338 312 R1 62 177 V	PLATE, rear tie SCREW, 3/4 x 1-1/2" hex-hd cap (Type 8) (12) WASHER, hardened (12)
11	646 228 C1 180 181 19 605 R1	PLATE, screen tie SCREW, 1/2 x 2" hex-hd cap (4) NUT, 1/2" (4)
12	646 223 C1 180 181 19 605 R1	SCREEN, rear (For crawler tractor equipped w/MODEL 15-260 rear cable control unit) SCREW, 1/2 x 2" hex-hd cap (7) NUT, 1/2" (7)
	954 476 R1 23 738 R1	PLATE, approved no. and identification SCREW, drive (2)

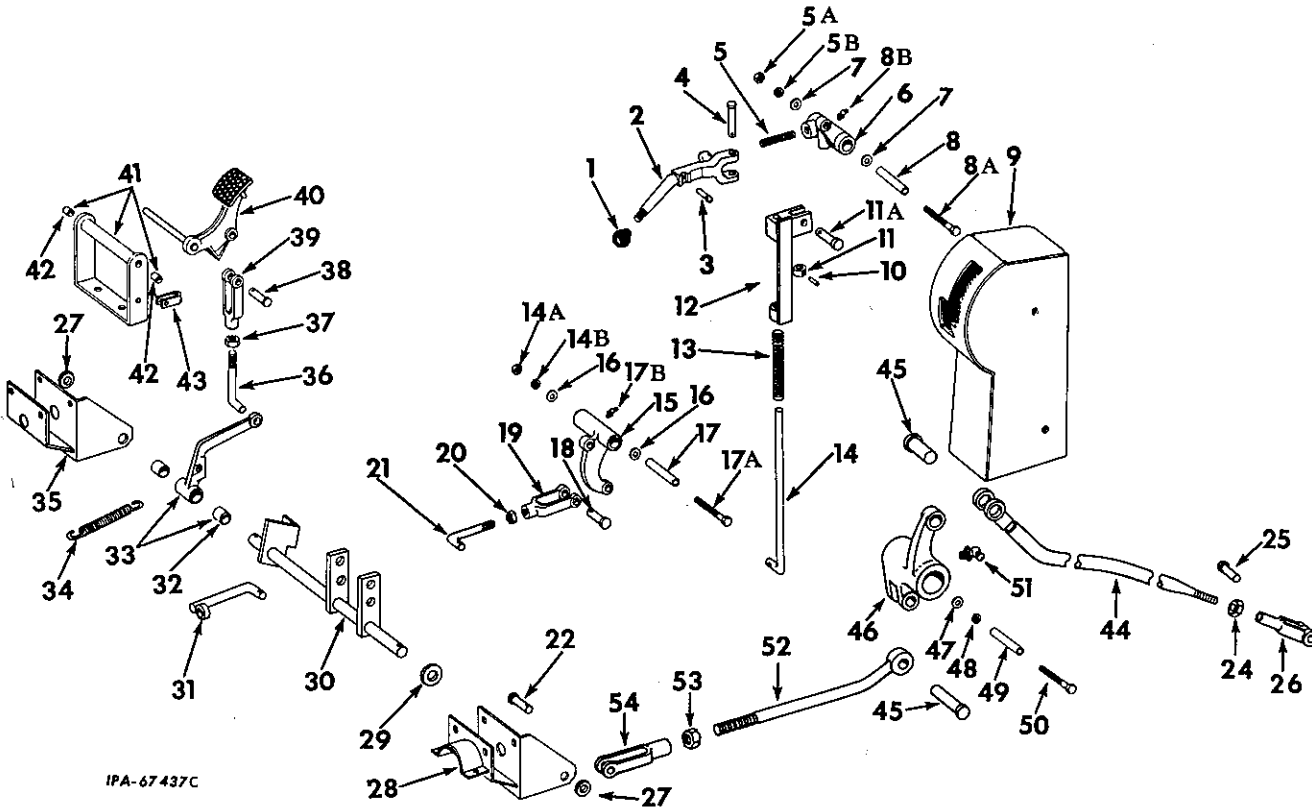
MEMORANDA

MEMORANDA

ENGINE CONTROLS

ENGINE CONTROLS AND DECELERATOR

(For units equipped with International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20415, TD-15BG 7949 to 20432,
 TD-15B(Agr)BGA 7949 to 20432, TD-15BPS 7949 to 20415



IPA-67437C

ENGINE CONTROLS

ENGINE CONTROLS AND DECELERATOR - CONTINUED

(For units equipped with International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20415, TD-15BG 7949 to 20432,
 TD-15B(Agr)BGA 7949 to 20432, TD-15BPS 7949 to 20415

REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicate the part is used for all controls listed below. Letters A, B and C are used to identify separate controls.
A		CONTROLS, engine (less decelerator pedal) (for manual shift and Agr. crawler tractors)
B		CONTROLS, engine (with decelerator pedal) (for power shift and sideboom crawler tractors)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
C	604 467 C91	ATTACHMENT, decelerator pedal (for manual shift and Agr. crawler tractors (See NOTE - 3)
1	264 097 R2	BALL, control hand lever (Controls A and B)
2	334 733 R11	LEVER, w/PAWL, 251 846 R1, governor control hand (Controls A and B)
3	251 846 R1	PAWL, governor control hand lever (Controls A and B)
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - CONTINUED (For units equipped with International R. D. Fuel Injection Pumps) TD-15BP 7949 to 20415, TD-15BG 7949 to 20432, TD-15B(Agr)BGA 7949 to 20432, TD-15BPS 7949 to 20415		
4	262 704 R1 107 762	PIN, hand lever (Controls A and B) 3/32 x 5/8" cotter PIN
5	261 650 R1	SPRING, hand lever (Controls A and B)
5A	271 500	NUT, 7/16" (Controls A and B)
5B	103 322	WASHER, 7/16" lock (Controls A and B)
6	604 648 C1	HUB, hand lever (Controls A and B)
7	604 646 C1	WASHER, hand lever hub (2 for Controls A and B)
8	334 675 R1	SPACER, hand lever hub (Controls A and B)
8A	16 252 R1	BOLT, 7/16 x 4-3/4" (Controls A and B)
8B	109 462	FITTING, 1/8 x 90° hand lever hub lubrication (Controls A and B)
9	330 884 R92 179 859 103 322	HOUSING, governor control (Controls A and B) 7/16 x 1-1/8" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
10	142 507	PIN, 3/16 x 7/8" groove (Controls A and B)
11	331 150 R1	STOP, spring (Controls A and B)
11A	103 498 103 384	PIN, rod end (Controls A and B) 1/8 x 3/4" cotter PIN
12	334 622 R92	TRUNNION, governor control (Controls A and B)
12	334 620 R93	TRUNNION ASSY, governor control (Controls A and B) (Composed of - 1 PIN 142 507 1 ROD 334 621 R1 1 SPRING 341 703 R2 1 STOP 331 150 R1 1 TRUNNION 334 622 R91)
13	341 703 R2	SPRING (Controls A and B)
14	334 621 R1	ROD, 1/8 x 3/4" cotter PIN (Controls A and B)
14A	271 500	NUT, 7/16" (Controls A and B)
14B	103 322	WASHER, 7/16" lock (Controls A and B)
15	604 647 C1	BELLCRANK, engine control (Controls A and B)
16	604 646 C1	WASHER, engine control bellcrank (2 for Controls A and B)
17	334 675 R1	SPACER, bellcrank (Controls A and B)
17A	16 252 R1	BOLT, engine control bellcrank (Controls A and B)
17B	109 462	FITTING, engine control bellcrank lubrication (Controls A and B)
18	103 498 103 384	PIN, 1/2" rod end (Controls A and B) 1/8 x 3/4" cotter PIN
19	104 039	CLEVIS, governor control rod adjustable (Controls A and B)
20	102 637	NUT, 1/2" (Controls A and B)
21	334 626 R1 103 384	ROD, governor control linkage (Controls A and B) 1/8 x 3/4" cotter PIN
22	103 498 103 384	PIN, rod end (Controls A and B) 1/8 x 3/4" cotter PIN

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - CONTINUED (For units equipped with International R. D. Fuel Injection Pumps) TD-15BP 7949 to 20415, TD-15BG 7949 to 20432, TD-15B(Agr)BGA 7949 to 20432, TD-15BPS 7948 to 20415		
24	103 025	NUT, 5/16NF (Controls A and B)
25	103 495 103 372	PIN, rod end (Controls A and B) 3/32 x 1/2" cotter PIN
26	104 037	CLEVIS, governor control rod front (Controls A and B)
27	270 711 R1	WASHER, governor control cross shaft (2 for Controls A and B)
28	341 736 R92 102 635 179 837 103 321	BRACKET, governor control cross shaft (2 for Controls A) 3/8" NUT (8) 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
28	611 265 C91 102 635 179 837 103 321	BRACKET, RH governor control cross shaft (Controls B) 3/8" NUT (4) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
29	518 568 R1	WASHER (Controls A, B and C)
30	604 465 C91	SHAFT, governor control cross (Controls A)
30	604 464 C91 108 629	SHAFT, governor control cross (Controls B and C) 3/32 x 7/8" cotter PIN (2 for Controls A, 1 for Controls B and C)
31	611 231 C92 103 384	GUIDE, decelerator (Controls B) 1/8 x 3/4" cotter PIN
32	341 987 R1	BUSHING, decelerator pedal lever (2 for Controls B and C)
33	330 905 R21	LEVER w/two BUSHING, 341 987 R1, decelerator pedal (Controls B and C) TD-15BP 7949 to 20207 TD-15BG 7949 to 20207 TD-15B(Agr)BGA 7949 to 20207 (Order the following parts - 1 CLIP 607 813 C1 1 LEVER 330 905 R31 1 SPRING 345 599 R1)
33	330 905 R31	LEVER w/two BUSHING, 341 987 R1, decelerator pedal (Controls B and C) TD-15BP 20208 to 20415 TD-15BG 20208 to 20432 TD-15B(Agr)BGA 20208 to 20432
34	334 220 R1	SPRING, decelerator pedal return (Controls B and C) TD-15BP 7949 to 20207 TD-15BG 7949 to 20207 TD-15B(Agr)BGA 7949 to 20207
34	345 599 R1	SPRING, decelerator pedal return (Controls B and C) TD-15BP 20208 to 20415 TD-15BG 20208 to 20432 TD-15B(Agr)BGA 20208 to 20432
35	341 736 R92 102 635 179 837 179 839 103 321	BRACKET, LH governor control cross shaft (Controls B) 3/8" NUT (4) 3/8 x 3/4" hex-hd cap SCREW (3) 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER (4)
36	334 626 R1 103 384	ROD, decelerator pick-up lever (Controls B and C) 1/8 x 3/4" cotter PIN

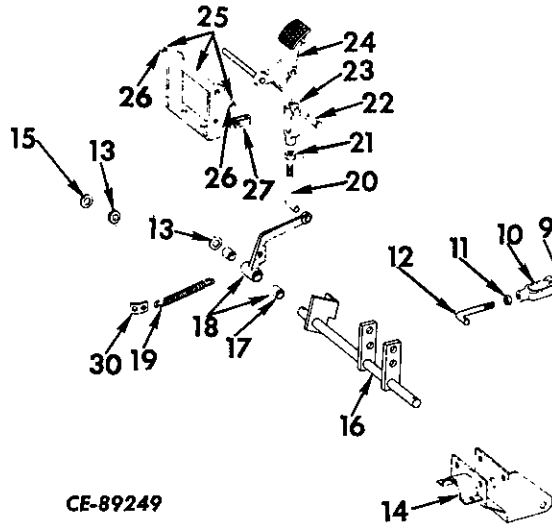
ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - CONTINUED (For units equipped with International R. D. Fuel Injection Pumps) TD-15BP 7949 to 20415, TD-15BG 7949 to 20432, TD-15B(Agr)BGA 7949 to 20432, TD-15BPS 7949 to 20415		
37		NUT, 1/2NF (Controls B and C)
38	103 498 103 384	PIN, rod end (Controls B and C) 1/8 x 3/4" cotter PIN
39	116 538	CLEVIS, decelerator pick-up rod adjustable (Controls B and C)
40	338 044 R11 324 653 R1 355 476 R1	PEDAL, decelerator (Controls B and C) RING, snap WASHER
41	331 214 R91 102 637 179 882 103 323	SHAFT, w/two BUSHING, 327 465 R1, decelerator pedal (Controls B and C) 1/2" NUT (2) 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
42	327 465 R1	BUSHING, decelerator pedal support (2 for Controls B and C)
43	338 045 R1 108 630	LATCH, decelerator pedal (Controls B and C) 1/8 x 7/8" cotter PIN
44	604 462 C11	ROD, governor control front (Controls A and B)
45	103 498 103 384	PIN, rod end (2 for Controls A and B) 1/8 x 3/4" cotter PIN (2)
46	604 463 C1	BELLCRANK, governor control front (Controls A and B)
47	604 646 C1	WASHER, governor control bellcrank bolt (Controls A and B)
48	103 322	WASHER, 7/16" lock (Controls A and B)
49	334 675 R1	SPACER, bellcrank (Controls A and B)
50	16 252 R1	BOLT, governor control bellcrank (Controls A and B)
51	109 462	FITTING, governor control front bellcrank (Controls A and B)
52	604 461 C11	ROD, governor control rear (Controls A and B)
53	103 028	NUT, 1/2NF (Controls A and B)
54	104 039	CLEVIS, rear governor control rod (Controls A and B)
	334 221 R1	CLIP, decelerator pedal return (On LH cross shaft bracket bolt) (Controls B and C) TD-15BP 7949 to 20207 TD-15BG 7949 to 20207 TD-15B(Agr)BGA 7949 to 20207
	607 813 C1	CLIP, decelerator pedal return (On LH cross shaft bracket bolt) (Controls B and C) TD-15BP 20208 to 20415 TD-15BG 20208 to 20432 TD-15B(Agr)BGA 20208 to 20432
	334 137 R2 179 837 103 321 103 341	PLATFORM, LH front (Controls C) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16" x 16 ga. WASHER (4)
	103 865	PLUG, 1/8" pipe (used only when BELLCRANK, 606 647 C1 or HUB, 604 648 C1 is furnished to replace BELLCRANK, 334 624 R11 or HUB, 334 618 R21)

MEMORANDA

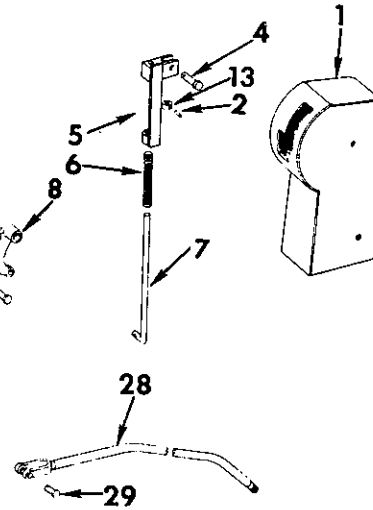
ENGINE CONTROLS

DECELERATOR PEDAL ATTACHMENTS (MANUAL SHIFT)
(For units equipped with Roosa Master Fuel Injection Pumps)



ENGINE CONTROLS

DECELERATOR PEDAL ATTACHMENTS (MANUAL SHIFT) - CONTINUED
(For Units equipped with Roosa Master Fuel Injection Pumps)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicate the part is used for all attachments listed below. Letters A, B, and C are used to identify separate attachments.
A	334 521 R91	ATTACHMENT, decelerator pedal (for manual shift and Agr. crawler tractors) (See NOTE 3) TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
B	611 237 C91	ATTACHMENT, decelerator pedal (for manual shift, Agr. backfiller and sideboom crawler tractors) (See NOTE 3) TD-15BG 20433 to 22062 TD-15BGS 21676 to 22062 TD-15B(Agr)BGA 20433 to 25000
C	703 415 C91	ATTACHMENT, decelerator pedal (for manual shift, custom backfiller and sideboom crawler tractor) (See NOTES 1 and 3) TD-15BG 22063 up TD-15BGS 22063 up TD-15B(Custom)BGA 25001 up
1	330 884 R92 179 859 103 322	HOUSING, governor control (Attachment C) 7/16 x 1-1/8" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
2	142 507	PIN, 3/16 x 7/8" groove (Attachment C)
3	331 150 R1	STOP, spring (Attachment C)
4	103 498 103 384	PIN, rod end (Attachment C) 1/8 x 3/4" cotter PIN
5	334 622 R92	TRUNNION, governor control (Attachment C)
5	334 620 R93	TRUNNION ASSY, governor control (Attachment C) (Composed of - 1 PIN 142 507 1 ROD 334 621 R1 1 SPRING 341 703 R2 1 STOP 331 150 R1 1 TRUNNION 334 662 R91)
6	341 703 R2	SPRING (Attachment C)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
7	334 621 R1	ROD, governor control trunnion (Attachment C)
	103 384	1/8 x 3/4" cotter PIN
8	604 647 C1	BELLCRANK, engine control (Attachment C)
9	103 498 103 384	PIN, 1/2" rod end (Attachment C) 1/8 x 3/4" cotter PIN
10	104 039	CLEVIS, governor control rod adjustable (Attachment C)
11	102 637	NUT, 1/2" (Attachment C)
12	334 626 R1 103 384	ROD, governor control linkage (Attachment C) 1/8 x 3/4" cotter PIN
13	270 711 R1	WASHER, cross shaft (2 for Attachment C)
14	341 736 R93 102 635 179 837 103 321	BRACKET, governor control cross shaft (2 for Attachment C) 3/8" NUT (7) 3/8 x 3/4" hex-hd cap SCREW (7) 3/8" lock WASHER (7)
15	518 568 R1	WASHER (Attachments B and C)
16	611 229 C91	SHAFT, governor control cross (Attachments B and C) (Attachment A - Together with the following parts will work for SHAFT, 334 625 R93) 1 EXTENSION 611 228 C1 1 NUT, 5/16NF 612 741 C1 1 ROD 611 226 C11) 1 ROD 3/32 x 7/8" cotter PIN 108 629
17	341 987 R1	BUSHING, decelerator pedal lever (2)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
DECELERATOR PEDAL ATTACHMENTS (MANUAL SHIFT) - CONTINUED (For Units equipped with Roosa Master Fuel Injection Pumps)		
18	330 905 R21	LEVER, w/two BUSHING, 341 987 R1 decelerator pedal (Attachment A) (Order the following parts - 1 CLIP 607 813 C1 1 LEVER 330 905 R31 1 SPRING 345 599 R1)
18	330 905 R31	LEVER, w/two BUSHING, 341 987 R1, decelerator pedal (Attachment B and C)
19	334 220 R1	SPRING, decelerator pedal return (Attachment A)
19	345 599 R1	SPRING, decelerator pedal return (Attachment B and C)
20	334 626 R1	ROD, decelerator pick-up lever (Attachment A (See NOTE))
20	612 741 C1	ROD, decelerator pick-up lever (Attachment B and C)
	103 384	1/8 x 3/4" cotter PIN
21	103 028	NUT, 1/2NF
22	103 498	PIN, rod end
	103 384	1/8 x 3/4" cotter PIN
23	116 538	CLEVIS, decelerator pick-up rod adjustable
24	338 044 R91	PEDAL, decelerator
	324 653 R1	RING, snap
	355 476 R1	WASHER
25	331 214 R91	SUPPORT, w/two BUSHING, 327 465 R1, decelerator pedal
	102 637	1/2" NUT (2)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
26	327 465 R1	BUSHING, decelerator pedal support (2)
27	338 045 R1	LATCH, decelerator pedal
	108 630	1/8 x 7/8" cotter PIN
28	703 372 C1	ROD, governor control front (Attachment C)
29	103 498	PIN, rod end (Attachment C)
	103 384	1/8 x 3/4" cotter PIN
30	334 221 R1	CLIP, decelerator pedal return (on LH cross shaft bracket bolt) (Attachment A)
30	607 813 C1	CLIP, decelerator pedal return (on LH cross shaft bracket bolt) (Attachment B and C)
	179 839	3/8 x 1" hex-hd cap SCREW (Attachment B and C)
	103 321	3/8" lock WASHER (Attachment C)
	102 635	3/8" NUT (Attachment C)
	334 137 R2	PLATFORM, LH front
	179 837	3/8 x 3/4" hex-hd cap SCREW (4 for Attachment A, 3 for Attachment B and C)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x No. 16 ga. WASHER
	179 839	3/8 x 1" hex-hd cap SCREW (Attachment B and C)
	613 058 C1	WASHER, pinned platform retainer (Attachment B and C)
	103 322	7/16" lock WASHER (Attachment B and C)

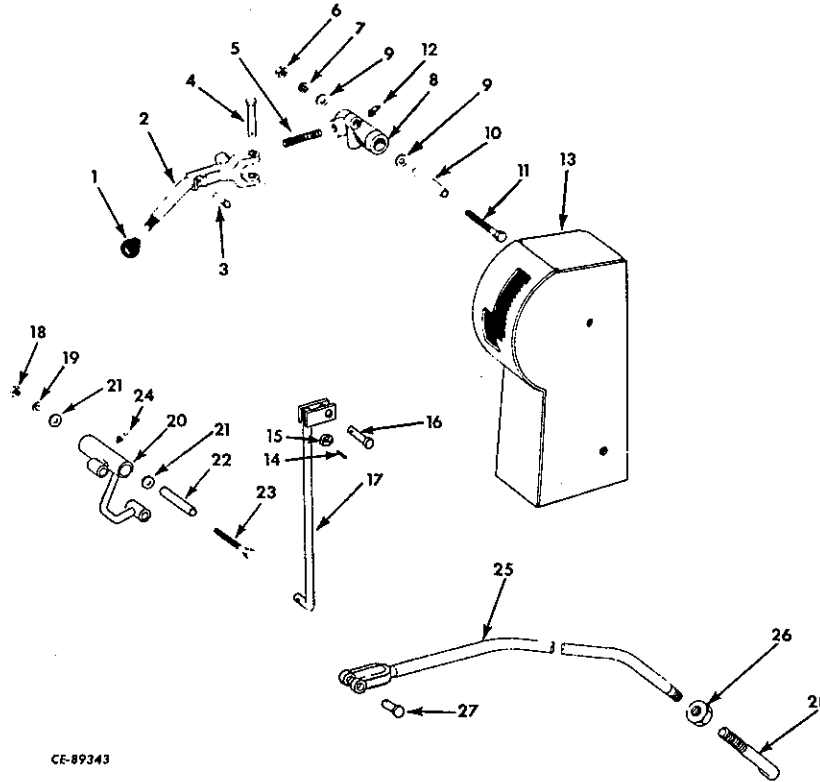
NOTE - To update machines equipped with
ROD, 334 626 R1.
(Attachment A - Order the following parts -
1 EXTENSION 611 228 C1
1 NUT, 5/16NF
1 ROD 612 741 C1
1 ROD 611 226 C11
1 SHAFT 611 229 C91)

MEMORANDA

ENGINE CONTROLS

ENGINE CONTROLS (MANUAL SHIFT)

(For Units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 22063 up
 TD-15B(Custom)BCA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up



CE-89343

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	264 097 R2	BALL, control hand lever
2	334 733 R11	LEVER, w/PAWL, 251 846 R1, governor control hand (Not used with custom crawler tractors)
2	650 344 C91	LEVER, w/PAWL, 251 846 R1, governor control hand (used with custom crawler tractors)
3	251 846 R1	PAWL, governor control hand lever
4	262 704 R1 107 762	PIN, hand lever 3/32 x 5/8" cotter PIN
5	261 650 R1	SPRING, hand lever
6	271 500	NUT, 7/16"
7	103 322	WASHER, 7/16" lock
8	604 648 C1	HUB, hand lever
9	604 646 C1	WASHER, hand lever hub
10	334 675 R1	SPACER, hand lever hub
11	16 252 R1	BOLT, 7/16 x 4-3/4"
12	109 462	FITTING, 1/8 x 90° hand lever hub lubrication
13	330 884 R92 179 859 103 322	HOUSING, governor control 7/16 x 1-1/8" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
14	142 507	PIN, 3/16 x 7/8" groove
15	331 150 R1	STOP, spring

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ENGINE CONTROLS

ENGINE CONTROLS (MANUAL SHIFT) - CONTINUED

(For Units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 22063 up
 TD-15B(Custom)BCA 25001 up
 TD-15BGF 22063 up
 TD-15BGS 22063 up

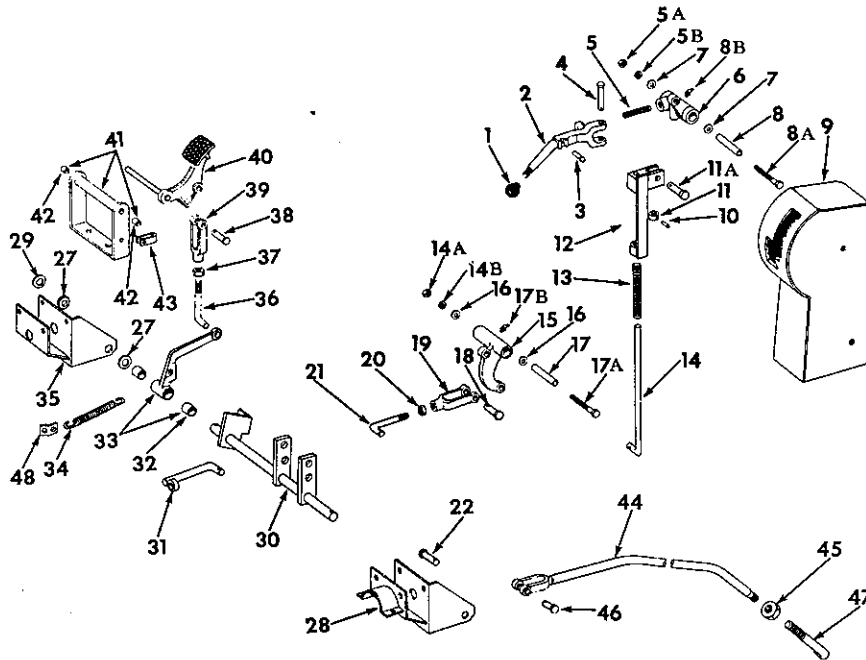
REF. NO.	I. H. PART NUMBER	DESCRIPTION
16	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN
17	703 412 C1 103 384	ROD, governor control 1/8 x 3/4" cotter PIN
18	271 500	NUT, 7/16"
19	103 322	WASHER, 7/16" lock
20	703 413 C1	BELLCRANK, engine control
21	604 646 C1	WASHER, engine control bellcrank
22	334 675 R1	SPACER, bellcrank
23	16 252 R1	BOLT, engine control bellcrank
24	109 462	FITTING, engine control bellcrank lubrication
25	703 414 C1	ROD, governor control front
26	103 025	NUT, 5/16NF
27	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN
28	616 464 C1 103 372 103 340	EXTENSION, governor control rod front 3/32 x 1/2" cotter PIN 11/32 x 11/16" x 16 ga WASHER

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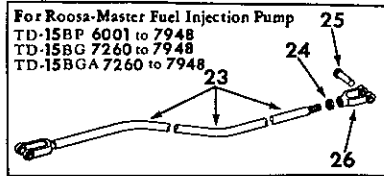
ENGINE CONTROLS

ENGINE CONTROLS

(For units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 7260 to 7948, also 20433 to 22062
 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000
 TD-15BP 6001 to 7948
 TD-15BGS 21676 to 22062
 TD-15BGF 21281 to 22062



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ENGINE CONTROLS

ENGINE CONTROLS - CONTINUED

(For units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 7260 to 7948, also 20433 to 22062
 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000
 TD-15BP 6001 to 7948
 TD-15BGS 21676 to 22062
 TD-15BGF 21281 to 22062

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicate the part is used for all controls listed below. Letters A, B, and C are used to identify separate controls.
A		CONTROLS, engine (less decelerator pedal) (for manual shift crawler tractors) TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
B		CONTROLS, engine (with decelerator pedal) (for power shift crawler tractors) TD-15BP 6001 to 7948
C		CONTROLS, engine (less decelerator pedal) (for manual shift crawler tractors) TD-15BG 20433 to 22062 TD-15B(Agr)BGA 20433 to 25000 TD-15BGF 21281 to 22062 TD-15BGS 21676 to 22062
1	264 097 R2	BALL, control hand lever (Controls A, B, and C)
2	334 733 R1	LEVER w/PAWL, 251 846 R1, governor control hand (Controls A, B, and C)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
3	251 846 R1	PAWL, governor control hand lever (Controls A, B, and C)
4	262 704 R1 107 762	PIN, hand lever (Controls A, B and C) 3/32 x 5/8" cotter PIN
5	261 650 R1	SPRING, hand lever (Controls A, B and C)
5A	271 500	NUT, 7/16" (Controls A, B and C)
5B	103 322	WASHER, 7/16" lock (Controls A, B and C)
6	334 618 R21	HUB, hand lever (Controls A and B) (Order the following parts - 1 BELLCRANK 604 647 C1 2 BUSHING 327 462 R1 1 HUB 604 648 C1 1 PLUG 103 865)
6	604 648 C1	HUB, hand lever (Control C)
7	327 462 R1	BUSHING, hand lever hub (used with HUB, 334 618 R21) (Controls A and B) (2)
7	604 646 C1	WASHER, hand lever hub (used with HUB, 604 648 C1) (Controls A, B, and C) (2)

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS - CONTINUED (For units equipped with Roosa Master Fuel Injection Pumps) TD-15BG 7260 to 7948, also 20433 to 22062 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000 TD-15BP 6001 to 7948 TD-15BGS 21676 to 22062 TD-15BGF 21281 to 22062		
8	327 901 R1	SPACER, hand lever hub (Controls A and B)
8A	16 525 R1	BOLT, 7/16 x 4-3/4" (Controls A, B and C)
8B	109 462	FITTING, 1/8 x 90° hand lever hub lubrication (Controls A, B and C)
9	330 884 R92	HOUSING, governor control (Controls A, B and C)
	179 859	7/16 x 1-1/8" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
10	142 507	PIN, 3/16 x 7/8" groove (Controls A, B and C)
11	331 150 R1	STOP, spring (Controls A, B and C)
11A	103 498	PIN, rod end (Controls A, B and C)
	103 384	1/8 x 3/4" cotter PIN
12	334 622 R92	TRUNNION, governor control (Controls A, B and C)
12	334 620 R93	TRUNNION ASSY, governor control (Controls A, B and C) (Composed of -
	1	PIN 142 507
	1	ROD 334 621 R1
	1	SPRING 341 703 R2
	1	STOP 331 150 R1
	1	TRUNNION 334 622 R91)
13	341 703 R2	SPRING (Controls A, B and C)
14	334 621 R1	ROD, governor control trunnion (Controls A, B and C)
	103 384	1/8 x 3/4" cotter PIN
14A		NUT, 7/16" slt (used with BOLT, 345 511 R1) (Controls A and B)
	103 362	1/16 x 3/4" cotter PIN
14A	271 500	NUT, 7/16" (used with BOLT, 16 252 R1) (Control C)
14B	338 222 R1	WASHER, engine control bellcrank bolt (used with BOLT, 345 511 R1) (Controls A and B)
14B	103 322	WASHER, 7/16" lock (used with BOLT, 16 252 R1) (Control C)
15	334 624 R11	BELLCRANK, engine control (Controls A and B) (Order the following parts -
	1	BELLCRANK 604 647 C1
	2	BUSHING 327 462 R1
	1	HUB 604 648 C1
	1	PLUG 103 865)
15	604 647 C1	BELLCRANK, engine control (Control C)
16	327 462 R1	BUSHING, engine control bellcrank (2 for Controls A and B)
16	604 646 C1	WASHER, engine control bellcrank (used with BOLT, 16 252 R1) (2 for Control C)

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS - CONTINUED (For units equipped with Roosa Master Fuel Injection Pumps) TD-15BG 7260 to 7948, also 20433 to 22062 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000 TD-15BP 6001 to 7948 TD-15BGS 21676 to 22062 TD-15BGF 21281 to 22062		
17	327 901 R1	SPACER, bellcrank (used with BOLT, 345 511 R1) (Controls A and B)
17	334 675 R1	SPACER, bellcrank (used with BOLT, 16 252 R1) (Control C)
17A	345 511 R1	BOLT, engine control bellcrank (Controls A and B) (will work for BOLT, 338 223 R1) (Order the following parts -
	1	FITTING 109 462
	1	NUT, 7/16" 271 500
	1	SPACER 334 675 R1
	1	WASHER, 7/16" lock 103 322
	2	WASHER 604 646 C1)
17A	16 252 R1	BOLT, engine control bellcrank (Control C)
17B	66 584 D	FITTING engine control bellcrank lubrication (used with BOLT, 338 223 R1) (Controls A and B)
17B	109 461	FITTING, engine control bellcrank lubrication (used with BOLT, 345 511 R1) (Controls A and B)
17B	109 462	FITTING, engine control bellcrank lubrication (used with BOLT, 16 252 R1) (Control C)
18	103 498	PIN, 1/2" rod end (Controls A, B and C)
	103 384	1/8 x 3/4" cotter PIN
19	104 039	CLEVIS, governor control rod adjustable (Controls A, B, and C)
20	102 637	NUT, 1/2" (Controls A, B and C)
21	334 626 R1	ROD, governor control linkage (Controls A, B and C)
	103 384	1/8 x 3/4" cotter PIN
22	103 498	PIN, rod end (Controls A, B and C)
	103 384	1/8 x 3/4" cotter PIN
23	343 073 R11	ROD, governor control (Controls A - Order the following parts -
	1	EXTENSION 611 228 C1
	1	NUT, 5/16NF 103 025
	1	ROD 611 226 C11
	1	SHAFT 611 233 C91)
	(Controls B - Order the following parts -	
	1	ADJUSTER 611 234 C11
	1	EXTENSION 611 228 C1
	1	GUIDE 611 231 C92
	1	NUT, 5/16NF 103 025
	1	ROD 612 741 C1
	1	ROD 611 226 C11
	1	SHAFT 611 229 C91)
24	103 025	NUT, 5/16NF (Controls A and B)
25	103 495	PIN, rod end (Controls A and B)
	103 372	3/32 x 1/2" cotter PIN
26	104 037	CLEVIS, governor control rod front (Controls A and B)

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ENGINE CONTROLS - CONTINUED

(For Units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 7260 to 7948, also 20433 to 22062
 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000
 TD-15BP 6001 to 7948
 TD-15BGS 21676 to 22062
 TD-15BGF 21281 to 22062

27	331 182 R1	BUSHING, cross shaft (used only w/BRACKET, 341 736 R91, 330 902 R91 and 330 904 R91) (2 for Controls A and B)
27	270 711 R1	WASHER, cross shaft (used only w/BRACKET, 341 736 R92, 330 902 R92, 330 904 R92, and 611 265 C91) (for Controls A, B and C)
28	341 736 R92	BRACKET, governor control cross shaft (2 for Controls A and C)
	102 635	3/8" NUT (4)
	179 837	3/8 x 3/4" hex-hd cap SCREW (8)
	103 321	3/8" lock WASHER (4)
	179 839	3/8 x 1" hex-hd cap SCREW
28	611 265 C91	BRACKET, RH governor control cross shaft (Controls B)
	102 635	3/8" NUT (4)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
29	518 568 R1	WASHER (2 for Controls A and C; 1 for Control B)
30	334 053 R32	SHAFT, governor control cross (Controls A) (Order the following parts -
	1	EXTENSION 611 228 C1
	1	NUT, 5/16NF
	1	ROD 611 226 C11
	1	SHAFT 611 233 C91)
30	611 233 C91	SHAFT, governor control cross (Controls C)
30	611 229 C91	SHAFT, governor control cross (Controls C) (Controls B - Together with the following parts will work for SHAFT, 334 625 R93 -
	1	ADJUSTER 611 234 C11
	1	EXTENSION 611 228 C1
	1	GUIDE 611 231 C92
	1	NUT, 5/16NF
	1	ROD 612 741 C1
	1	ROD 611 226 C11)
	108 629	3/32 x 7/8" cotter PIN (2 for Controls A and C; 1 for Control B)
31	611 231 C92	GUIDE, decelerator (Controls B)
	103 384	1/8 x 3/4" cotter PIN
32	341 987 R1	BUSHING, decelerator pedal lever (2 for Control B)
33	330 905 R21	LEVER, w/two BUSHING, 341 987 R1, decelerator pedal (Control B) (Order the following parts -
	1	CLIP 607 813 C1
	1	LEVER 330 905 R31
	1	SPRING 345 599 R1)
34	334 220 R1	SPRING, decelerator pedal return (Control B)

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ENGINE CONTROLS - CONTINUED

(For units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BG 7260 to 7948, also 20433 to 22062
 TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000
 TD-15BP 6001 to 7948
 TD-15BGS 21676 to 22062
 TD-15BGF 21281 to 22062

35	341 736 R92	BRACKET, LH governor control cross shaft (Control B)
	102 635	3/8" NUT (4)
	179 837	3/8 x 3/4" hex-hd cap SCREW (3)
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER (4)
36	334 626 R1	ROD, decelerator pick-up lever (Control B) (See NOTE)
	103 384	1/8 x 3/4" cotter PIN
37	103 028	NUT, 1/2NF (Control B)
38	103 498	PIN, rod end (Control B)
	103 384	1/8 x 3/4" cotter PIN
39	116 538	CLEVIS, decelerator pick-up rod adjustable (Control B)
40	338 044 R91	PEDAL, decelerator (Control B)
	324 653 R1	RING, snap
	355 476 R1	WASHER
41	331 214 R91	SUPPORT, w/two BUSHING, 327 465 R1, decelerator pedal (Control B)
	102 637	1/2" NUT (2)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
42	327 465 R1	BUSHING, decelerator pedal support (2 for Control B)
43	338 045 R1	LATCH, decelerator pedal (Control B)
	108 630	1/8 x 7/8" cotter PIN
44	611 226 C11	ROD, governor control front (Control C)
		TD-15BG 20433 to 22000
		TD-15B(Agr)BGA 20433 to 22000
		TD-15BGS 21676 to 22000
		TD-15 BGF 21281 to 22000
44	703 372 C1	ROD, governor control front (Controls C)
		TD-15BG 22001 to 22062
		TD-15B(Agr)BGA 22001 to 25000
		TD-15BGS 22001 to 22062
		TD-15BGF 22001 to 22062
45	103 025	NUT, 5/16NF

NOTE - To update machines equipped with ROD, 334 626 R1, (Controls B - Order the following parts -

1	ADJUSTER	611 234 C11
1	EXTENSION	611 228 C1
1	GUIDE	611 231 C92
1	NUT, 5/16NF	
1	ROD	612 741 C1
1	ROD	611 226 C11
1	SHAFT	611 229 C91)

ENGINE CONTROLS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ENGINE CONTROLS - CONTINUED

(For units equipped with Roosa-Master Fuel Injection Pumps)

TD-15BG 7260 to 7948, also 20433 to 22062

TD-15B(Agr)BGA 7260 to 7948, also 20433 to 25000

TD-15BP 6001 to 7948

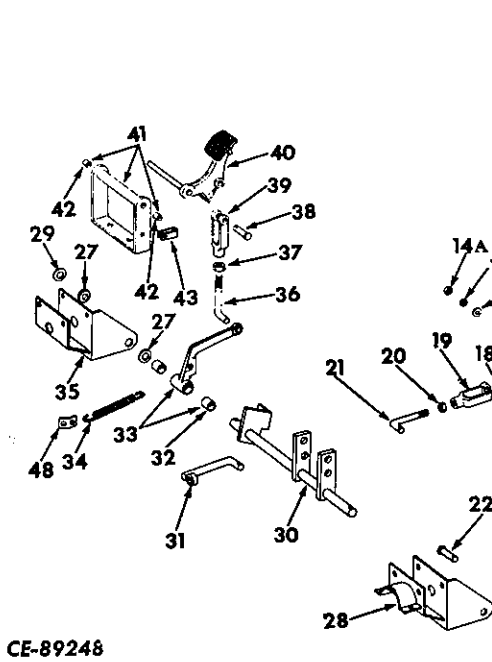
TD-15BGS 21676 to 22062

TD-15BGF 21281 to 22062

46	103 498 103 384	PIN, rod end (Control C) 1/8 x 3/4" cotter PIN
47	611 228 C1 103 372 103 340	EXTENSION, governor control rod front (Control C) TD-15BG 20433 to 22000 TD-15B(Agr)BGA 20433 to 22000 TD-15BGS 21676 to 22000 TD-15BGF 21281 to 22000 3/32 x 1/2" cotter PIN 11/32 x 11/16 x 16 ga WASHER
47	616 464 C1 103 372 103 340	EXTENSION, governor control rod front (Control C) TD-15BG 22001 to 22062 TD-15B(Agr)BGA 22001 to 25000 TD-15BGS 22001 to 22062 TD-15BGF 22001 to 22062
48	334 221 R1 179 839 103 865	CLIP, decelerator pedal return (on LH cross shaft bracket bolt) (Control B) 3/8 x 1" hex-hd cap SCREW PLUG, 1/8" pipe (used only when BELL- CRANK, 604 647 C1 or HUB, 604 648 C1 is furnished to replace BELLCRANK, 334 624 R11 or HUB, 334 618 R21)

ENGINE CONTROLS

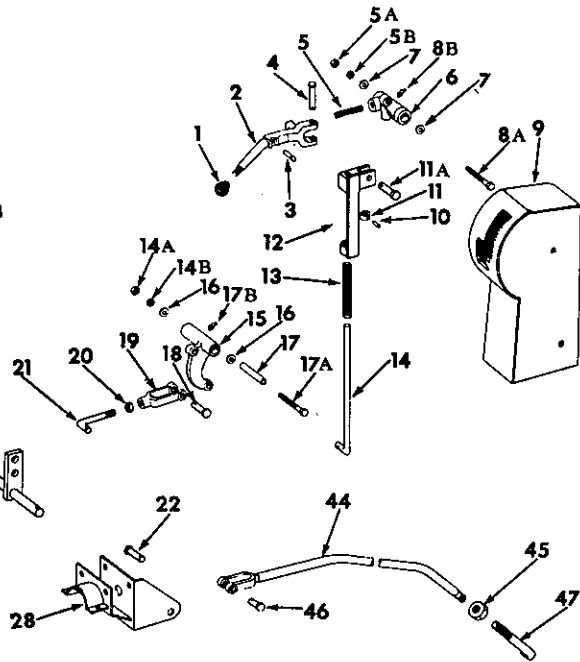
ENGINE CONTROLS AND DECELERATOR — CONTINUED
 (For units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BP 20416 up
 TD-15BPS 20416 up



CE-89248

ENGINE CONTROLS

ENGINE CONTROLS AND DECELERATOR — CONTINUED
 (For units equipped with Roosa Master Fuel Injection Pumps)
 TD-15BP 20416 up
 TD-15BPS 20416 up



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	264 097 R2	BALL, control hand lever
2	334 733 R11	LEVER, w/PAWL, 251 846 R1 governor control hand
3	251 846 R1	PAWL, governor control hand lever
4	262 704 R1	PIN, hand lever 3/32 x 5/8" cotter PIN
5	261 650 R1	SPRING, hand lever
5A	271 500	NUT, 7/16"
5B	103 322	WASHER, 7/16" lock
6	604 648 C1	HUB, hand lever
7	604 646 C1	WASHER, hand lever hub (2)
8A	16 252 R1	BOLT, 7/16 x 4-3/4"
8B	109 462	FITTING, 1/8 x 90° hand lever hub lubrication
9	330 884 R92 179 859 103 322	HOUSING, governor control 7/16 x 1-1/8" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
10	142 507	PIN, 3/16 x 7/8" groove
11	331 150 R1	STOP, spring
11A	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN

REF. NO.	I. H. PART NUMBER	DESCRIPTION
12	334 622 R92	TRUNNION, governor control
12	334 620 R93	TRUNNION ASSY, governor control (Composed of - 1 PIN 142 507 1 ROD 334 621 R1 1 SPRING 341 703 R2 1 STOP 331 150 R1 1 TRUNNION 334 622 R91)
13	341 703 R2	SPRING
14	334 621 R1 103 384	ROD, governor control trunnion 1/8 x 3/4" cotter PIN
14A	271 500	NUT, 7/16"
14B	103 322	WASHER, 7/16" lock
15	604 647 C1	BELLCRANK, engine control
16	604 646 C1	WASHER, engine control bellcrank (2)
17	334 675 R1	SPACER, bellcrank
17A	16 252 R1	BOLT, engine control bellcrank
17B	109 462	FITTING, engine control bellcrank lubrication
18	103 498 103 384	PIN, 1/2" rod end 1/8 x 3/4" cotter PIN
19	104 039	CLEVIS, governor control rod adjustable
20	102 637	NUT, 1/2"
21	334 626 R1 103 384	ROD, governor control linkage 1/8 x 3/4" cotter PIN

ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - CONTINUED (For units equipped with Roosa Master Fuel Injection Pumps) TD-15BP 20416 up TD-15BPS 20416 up		
22	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN
27	270 711 R1	WASHER, cross shaft (2)
28	341 736 R93 102 635 179 839 179 837 103 321	BRACKET, LH governor control cross shaft 3/8" NUT (4) 3/8 x 1" hex-hd cap SCREW 3/8 x 3/4" hex-hd cap SCREW (3) 3/8" lock WASHER (4)
28	611 265 C91	BRACKET, RH governor control cross shaft TD-15BP 20416 to 22062 TD-15BPS 20416 to 22062
28	341 736 R93 102 635 179 837 103 321	BRACKET, RH governor control cross shaft TD-15BP 22063 up TD-15BPS 22063 up 3/8" NUT (4) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
29	518 568 R1	WASHER
30	611 229 C91 108 629	SHAFT, governor control cross 3/32 x 7/8" cotter PIN
31	611 231 C92 103 384	GUIDE, decelerator TD-15BP 20416 to 22236 TD-15BPS 20416 to 22236 1/8 x 3/4" cotter PIN
32	341 987 R1	BUSHING, decelerator pedal lever (2)
33	330 905 R31	LEVER, w/two BUSHING, 341 987 R1, decelerator pedal
34	345 599 R1	SPRING, decelerator pedal return
35	341 736 R92 102 635 179 837 179 839 103 321	BRACKET, LH governor control cross shaft 3/8" NUT (4) 3/8 x 3/4" hex-hd cap SCREW (3) 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER (4)
36	612 741 C1 103 384	ROD, decelerator pick-up lever 1/8 x 3/4" cotter PIN
37	103 028	NUT, 1/2NF
38	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN
39	116 538	CLEVIS, decelerator pick-up rod adjustable
40	338 044 R91 324 653 R1 355 476 R1	PEDAL, decelerator RING, snap WASHER
41	331 214 R91 102 637 179 882 103 323	SUPPORT, w/two BUSHING, 327 465 R1, decelerator pedal 1/2" NUT (2) 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
42	327 465 R1	BUSHING, decelerator pedal support (2)
43	338 045 R1 103 384	LATCH, decelerator pedal 1/8 x 7/8" cotter PIN
44	611 226 C11	ROD, governor control front TD-15BP 20416 to 22062 TD-15BPS 20416 to 22062
44	703 372 C1	ROD, governor control front TD-15BP 22063 up TD-15BPS 22063 up

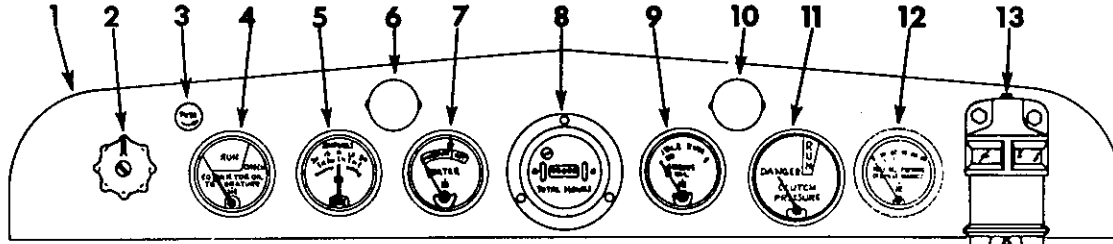
ENGINE CONTROLS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - CONTINUED (For units equipped with Roosa Master Fuel Injection Pumps) TD-15BP 20416 up TD-15BPS 20416 up		
45	103 025	NUT, 5/16NF
46	103 498 103 384	PIN, rod end 1/8 x 3/4" cotter PIN
47	611 228 C1	EXTENSION, governor control front TD-15BP 20416 to 22062 TD-15BPS 20416 to 22062
47	616 464 C1 103 372 103 340	EXTENSION, governor control rod front TD-15BP 22063 up TD-15BPS 22063 up 3/32 x 1/2" cotter PIN 11/32 x 11/16 x 16 ga WASHER
48	607 813 C1 179 839	CLIP, decelerator pedal return (on LH cross shaft bracket bolt) 3/8 x 1" hex-hd cap SCREW

INSTRUMENTS AND INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL

(For Units Equipped With International R. D. Fuel Injection Pump)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144



CEA-84867A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	603 418 C1 298 000 R1 181 315 103 319	PANEL, instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	606 298 C91	SWITCH, lighting (also listed an illustrated with "Electric Starting and Lighting")
3	376 852 R91	HOUSING w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending unit 610 723 C91)
4	619 817 C91	GAUGE, torque converter oil temperature (together with INSULATOR, 604 872 C91 and TEE 218 Z51, will work for GAUGE, 336 125 R92, GAUGE 610 720 C91, SENDING UNIT 610 721 C91 and SENDING UNIT 336 126 C91) (*)
	604 872 C91	INSULATOR, positive terminal on Ammeter (*)
	218 Z51	TEE, torque converter outlet reducing (*)
5	702 284 C1	AMMETER (used with GAUGE 702 772 C1)
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
8	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
9	702 027 C1 443 998 9 402 745	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine) ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose)
	29 901 D	CONNECTOR, junction block to engine oil pressure tube TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622

INSTRUMENTS AND INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped With International R. D. Fuel Injection Pump)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	606 885 C1	CONNECTOR, junction block to engine oil pressure tube TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	89 863 H	CONNECTOR, engine oil pressure (upper and lower tube) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	606 049 C1	CONNECTOR, engine oil pressure (upper and lower tube) TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	30 402 D	ELBOW, engine oil pressure TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	319 615 R1	ELBOW, engine oil pressure TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 243 C91	HOSE, 1/4" ID x 13-1/2" long including Fittings
	29 898 D	NUT, engine oil pressure tube (4) TD-15BP 7949 to 9622 (4) TD-15BG 7949 to 9622 (4) TD-15B(Agr)BGA 7949 to 9622 (4) TD-15BPS 9371 to 9622
	915 499 R1	NUT, engine oil pressure tube (4) TD-15BP 9623 to 20144 (4) TD-15BG 9623 to 20144 (4) TD-15B(Agr)BGA 9623 to 20144 (4) TD-15BPS 9623 to 20144
	915 500 R1	SLEEVE, engine oil pressure tube (4) TD-15BP 9623 to 20144 (4) TD-15BG 9623 to 20144 (4) TD-15B(Agr)BGA 9623 to 20144 (4) TD-15BPS 9623 to 20144
	341 942 R1	TUBE, engine oil pressure (lower) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622

(%)- For Manual Shift or Agr. Crawler Tractors.

(*) - For Power Shift Crawler Tractors.

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
 (For units equipped with International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144

9	702 027 C1 607 854 C11	GAUGE, engine oil pressure - Continued TUBE, w/two NUT 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower) TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	341 940 R1	TUBE, engine oil pressure (upper) (See NOTE A) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	607 858 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper) TD-15BP 9232 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
10		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
11	432 577	PLUG, instrument panel hole button (%)
11	619 739 C91 9 402 745 29 901 D	GAUGE, clutch oil pressure (*) ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose) CONNECTOR, junction block to clutch oil pressure upper tube TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622
	606 885 C1	CONNECTOR, junction block to clutch oil pressure upper tube TD-15BP 9623 to 20144 TD-15BPS 9623 to 20144
	308 523 R1	CLIP, lower clutch oil pressure tube (on front frame)
	89 863 H	CONNECTOR, clutch oil pressure (upper and lower tube) TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622
	606 049 C1	CONNECTOR, clutch oil pressure (upper and lower tube) TD-15BP 9623 to 20144 TD-15BPS 9623 to 20144
	30 402 D	ELBOW, clutch oil pressure (regulator outlet tube to manifold) TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622
	319 615 R1	ELBOW, clutch oil pressure (regulator outlet tube to manifold) TD-15BP 9623 to 20144 TD-15BPS 9623 to 20144
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4"ID x 10" long including fittings
	29 898 D	NUT, clutch oil pressure tube (4)TD-15BP 7949 to 9622 (4)TD-15BPS 9371 to 9622
	915 499 R1	NUT, clutch oil pressure tube (4)TD-15BP 9623 to 20144 (4)TD-15BPS 9623 to 20144
	444 814 179 837	PLUG, 1/8" auxiliary filter inlet tee 3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1)
	915 500 R1	SLEEVE, clutch oil pressure tube (4)TD-15BP 9623 to 20144 (4)TD-15BPS 9623 to 20144
	16 898 R1	TEE, clutch oil pressure gauge tube to auxiliary filter inlet reducer TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
 (For units equipped with International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144

11	619 739 C91 610 000 C1	GAUGE, clutch oil pressure (*) - Continued TEE, clutch oil pressure gauge tube to auxiliary filter inlet reducer TD-15BP 9623 to 20144 TD-15BPS 9623 to 20144
	603 294 C1	TUBE, clutch oil pressure (lower) (See NOTE B) TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622
	607 857 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower) TD-15BP 9623 to 20144 TD-15BPS 9623 to 20144
	604 502 C1	TUBE, clutch oil pressure (upper) (See NOTE B) TD-15BP 7949 to 9622 TD-15BPS 9371 to 9622
	607 856 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper) TD-15BP 9623 to 21003 TD-15BPS 9623 to 21003
	103 341	13/32 x 13/16" x 16 ga WASHER (used with CLIP, 308 523 R1)
	103 321	3/8" lock WASHER (used with CLIP, 308 523 R1)

NOTE A - To update machines equipped with engine oil pressure upper TUBE, 341 940 R1 and engine oil pressure lower TUBE, 341 942 R1 Serial Numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TD-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622

(Order the following parts -
 1 CONNECTOR 606 049 C1
 1 CONNECTOR 606 885 C1
 1 ELBOW 319 615 R1
 1 TUBE 607 854 C11
 1 TUBE 607 858 C11)

NOTE B - To update machines equipped with clutch oil pressure lower TUBE, 603 294 C1 and clutch oil pressure upper TUBE, 604 502 C1 Serial Numbers TD-15BP 7949 to 9622 and TD-15BPS 9371 to 9622

(Order the following parts -
 1 CONNECTOR 606 049 C1
 1 CONNECTOR 606 885 C1
 1 TEE 610 000 C1
 1 TUBE 607 856 C11
 1 TUBE 607 857 C11)

(*) - For Power Shift Crawler Tractors
 (%) - For Manual Shift or Agr. Crawler Tractors.

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
 (For Units Equipped With International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144

12	384 203 R91 9 402 745 100 770 H	GAUGE, fuel oil pressure ADAPTER, pressure gauge CLIP, pressure tube (3)
	29 901 D	CONNECTOR, pressure gauge tube (at junction block) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	606 885 C1	CONNECTOR, pressure gauge tube (at junction block) TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	89 863 H	CONNECTOR, pressure tube (upper tube to lower tube) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	606 049 C1	CONNECTOR, pressure tube (upper tube to lower tube) TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	252 374 R1	ELBOW, pressure tube (at tee on final filter) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	606 296 C1	ELBOW, pressure tube (at tee on final filter) TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	117 966	GROMMET, rubber oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including fittings
	29 898 D	NUT, pressure gauge tube (4) TD-15BP 7949 to 9622 (4) TD-15BG 7949 to 9622 (4) TD-15B(Agr)BGA 7949 to 9622 (4) TD-15BPS 9371 to 9622
	915 499 R1	NUT, pressure gauge tube (4) TD-15BP 9623 to 20144 (4) TD-15BG 9623 to 20144 (4) TD-15B(Agr)BGA 9623 to 20144 (4) TD-15BPS 9623 to 20144
	915 500 R1	SLEEVE, pressure gauge tube (4) TD-15BP 9623 to 20144 (4) TD-15BG 9623 to 20144 (4) TD-15B(Agr)BGA 9623 to 20144 (4) TD-15BPS 9623 to 20144
	179 832	3/8 x 7/16" hex-hd cap SCREW (used with CLIP, 100 770 H) (3)
	604 500 C1	TUBE, pressure gauge upper (See NOTE C) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
 (For Units Equipped With International R. D. Fuel Injection Pumps)
 TD-15BP 7949 to 20144
 TD-15BG 7949 to 20144
 TD-15B(Agr)BGA 7949 to 20144
 TD-15BPS 9371 to 20144

12	384 203 R91 607 859 C11	GAUGE, fuel oil pressure - Continued TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, pressure gauge upper TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	604 501 C1	TUBE, pressure gauge lower (See NOTE C) TD-15BP 7949 to 9622 TD-15BG 7949 to 9622 TD-15B(Agr)BGA 7949 to 9622 TD-15BPS 9371 to 9622
	607 860 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, pressure gauge lower TD-15BP 9623 to 20144 TD-15BG 9623 to 20144 TD-15B(Agr)BGA 9623 to 20144 TD-15BPS 9623 to 20144
	609 714 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, pressure gauge lower TD-15BP 20125 to 20144 TD-15BG 20125 to 20144 TD-15B(Agr)BGA 20125 to 20125 TD-15BPS 20125 to 20144
	103 321	3/8" lock WASHER (used with CLIP, 100 770 H) (3)
13	346 666 R91	INDICATOR, filter service (also listed and illustrated with "Filter Service Indicator")
	334 445 R1 102 634 179 821 103 320	BLOCK, header (pressure lines) 5/16" NUT (2) 5/16 x 1-3/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
	278 834 R2 179 800 103 319	CLAMP, instrument tube 1/4 x 1-3/8" hex-hd cap SCREW (2) 1/4" lock WASHER (2)
	264 674 R91	DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter")
	120 302	GROMMET, rubber (air cleaner indicator tube) (on dash)
	278 836 R2	PAD, clamp (2)
		NOTE C - To update machines equipped with fuel oil pressure upper TUBE, 604 500 C1 and fuel oil pressure lower TUBE, 604 501 C1 Serial Numbers TD-15BP 7949 to 9622, TD-15BG 7949 to 9622, TD-15B(Agr)BGA 7949 to 9622 and TD-15BPS 9371 to 9622 (Order the following parts - 1 CONNECTOR 606 049 C1 1 CONNECTOR 606 885 C1 1 ELBOW 606 296 C1 1 TUBE 607 859 C11 1 TUBE 607 860 C11)

MEMORANDA

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INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL

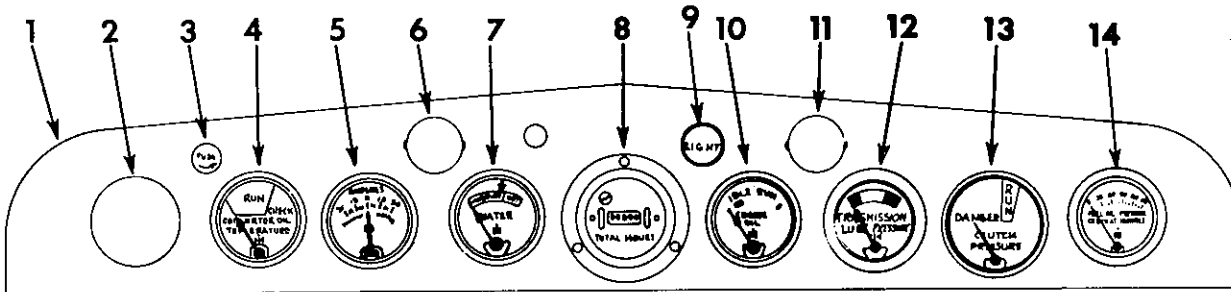
(For Units Equipped With International R. D. Fuel Injection Pumps)
 TD-15BP 20145 to 20415
 TD-15BG 20145 to 20432
 TD-15B(Agr)BGA 20145 to 20432
 TD-15BPS 20145 to 20432

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped With International R. D. Fuel Injection Pumps)
 TD-15BP 20145 to 20415
 TD-15BG 20145 to 20432
 TD-15B(Agr)BGA 20145 to 20432
 TD-15BPS 20145 to 20432



IPA-67566D

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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1	604 873 C1 298 000 R1 181 315 103 319	PANEL, instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	432 577	PLUG, instrument panel hole button
3	376 852 R91	HOUSING w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending UNIT 610 723 C91)
4	619 817 C91 604 872 C91 218 251	GAUGE, torque converter oil temperature (together with INSULATOR 604 872 C91 and TEE 218 251 will work for GAUGE, 336 125 R92, GAUGE 610 720 C91, SENDING UNIT 610 721 C91 and SENDING UNIT, 336 126 R91) (*) INSULATOR, Positive Terminal on Ammeter (*) TEE, Torque Converter Reducing (*)
5	702 284 C1	AMMETER
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
8	624 552 C91	HOURLY METER (also listed and illustrated with "Hourmeter")
9	606 298 C91	SWITCH, lighting (also listed and illustrated with "Electric Starting and Lighting")
10	702 027 C1 443 998 9 402 745 606 885 C1 606 049 C1 319 615 R1	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine) ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose) CONNECTOR, junction block to engine oil pressure tube CONNECTOR, engine oil pressure (upper and lower tube) ELBOW, engine oil pressure

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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10	702 027 C1 117 966 606 243 C91 915 499 R1 915 500 R1 607 854 C11 607 858 C11	GAUGE, engine oil pressure - Continued GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 13-1/2" long including FITTINGS NUT, engine oil pressure tube (4) SLEEVE, engine oil pressure tube (4) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper)
11		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
12	432 577	PLUG, instrument panel hole button (%)
12	702 257 C1	GAUGE, transmission lubricating oil pressure (%)
9	402 745 263 717 R91 606 049 C1 606 885 C1 117 966 606 242 C91 915 499 R1 915 500 R1 607 861 C11 607 862 C11	ADAPTER, 1/8 x 7/16NF (transmission lubricating oil pressure gauge to hose) CLIP, lubricating pressure lower tube (at clutch tube) CONNECTOR, lubricating pressure (upper and lower tube) CONNECTOR, lubricating oil pressure gauge (at junction block and at regulator tee) (2) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 10" long including FITTINGS NUT, lubricating pressure tube (4) SLEEVE, lubricating pressure tube (4) TUBE, lubricating oil pressure gauge (upper) TUBE, lubricating oil pressure gauge (lower)
13	432 577	PLUG, instrument panel hole button (%)
13	619 739 C91 9 402 745 606 885 C1	GAUGE, clutch oil pressure (%) ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose) CONNECTOR, junction block to clutch oil pressure upper tube

(*) - For Power Shift Crawler Tractors.
 (%) - For Manual Shift Or Agr. Crawler Tractors.

INSTRUMENTS AND
INSTRUMENT PANEL

REF. NO.	I.H. PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED (For Units Equipped With International R.D. Fuel Injection Pumps) TD-15BP 20145 to 20415 TD-15BG 20145 to 20432 TD-15B(Agr)BGA 20145 to 20432 TD-15BPS 20145 to 20432		
13	619 739 C91 308 523 R1 606 049 C1 319 615 R1 117 966 606 242 C91 915 499 R1 444 814 179 837 915 500 R1 319 615 R1 607 857 C11 607 856 C11 103 341 103 321	GAUGE, clutch oil pressure (*) - Continued CLIP, lower clutch oil pressure tube (on front frame) CONNECTOR, clutch oil pressure (upper and lower tube) ELBOW, clutch oil pressure (regulator outlet tube to manifold) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 10" long including FITTINGS NUT, clutch oil pressure tube (4) PLUG, 1/8" auxiliary filter inlet tee 3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1) SLEEVE, clutch oil pressure tube (4) ELBOW, clutch oil pressure gauge tube to auxiliary filter inlet reducer TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper) 13/32 x 13/16" x 16 ga WASHER (used with CLIP, 308 523 R1) 3/8" lock WASHER (used with CLIP, 308 523 R1)
14	384 203 R91 9 402 745 100 770 H 606 885 C1 606 049 C1 606 296 C1 117 966 606 242 C91 915 499 R1 179 832 915 500 R1 607 859 C11 609 711 C1 609 714 C11 103 321 275 131 R1 102 634 179 821 103 320 278 834 R1 179 800 103 719 264 674 R91 278 836 R1	GAUGE, fuel oil pressure ADAPTER, pressure gauge CLIP, pressure tube (3) CONNECTOR, pressure gauge tube (at junction block) CONNECTOR, pressure tube (upper tube to lower tube) ELBOW, pressure tube (at tee on final filter) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 10" long including FITTINGS NUT, pressure gauge tube (4) 3/8 x 7/16" hex-hd cap SCREW (used with CLIP, 100 770 H) (3) SLEEVE, pressure gauge tube (4) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, pressure gauge upper TUBE, fuel pressure gauge (furnished as part of Attachment, 609 707 C91) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, pressure gauge lower 3/8" lock WASHER (used with CLIP, 100 770 H) (3) BLOCK, header (pressure lines) 5/16" NUT (2) 5/16 x 1-3/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2) CLAMP, instrument tube 1/4 x 1-3/8" hex-hd cap SCREW (2) 1/4" lock WASHER (2) DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter") PAD, clamp (2)

(*) - For Power Shift Crawler Tractors.

MEMORANDA

INSTRUMENTS AND INSTRUMENT PANEL

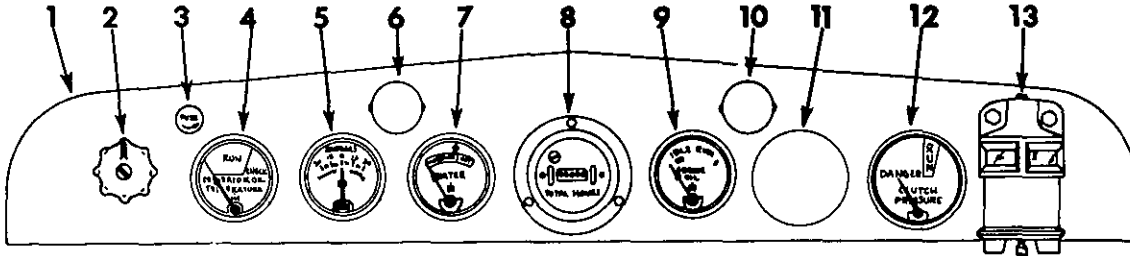
INSTRUMENTS AND INSTRUMENT PANEL

(For Units Equipped With Roosa-Master Fuel Injection Pumps)
 TD-15BP 6001 to 7948
 TD-15BG 7260 to 7948
 TD-15B(Agr)BGA 7260 to 7948

INSTRUMENTS AND INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped With Roosa-Master Fuel Injection Pumps)
 TD-15BP 6001 to 7948
 TD-15BG 7260 to 7948
 TD-15B(Agr)BGA 7260 to 7948



IPA-78467B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	337 578 R1	PANEL, instrument TD-15BP 6001 to 7712 TD-15BG 7260 to 7712 TD-15B(Agr)BGA 7260 to 7712 (Order the following parts - 1 DAMPENER 264 674 R91 1 PANEL 603 418 C1 3 SCREW, No. 6 x 1/2" slit-rd-hd mach 3 WASHER, No. 6 lock)
1	603 418 C1	PANEL, instrument TD-15BP 7713 to 7948 TD-15BG 7713 to 7948 TD-15B(Agr)BGA 7713 to 7948
	298 000 R1	MOUNT, vibration (4)
	181 315	1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4)
	103 319	1/4" lock WASHER (4)
2		SWITCH, lighting (also listed and illustrated with "Lighting Switch")
3	275 276 R91	HOUSING w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577	PLUG, instrument panel hole button (%) (will work for GAUGE 610 722 C91)
	444 624	PLUG, 3/8" pipe (will work for sending UNIT 610 723 C91)
4	619 817 C91	GAUGE, torque converter oil temperature (together with INSULATOR 604 872 C1 and TEE 218 251 will work for GAUGE, 336 125 R92, GAUGE 610 720 C91, SENDING UNIT 610 721 C91 and SENDING UNIT 336 126 R91) (*)
	604 872 C91	INSULATOR, Positive Terminal on Ammeter (*)
	218 251	TEE, Torque Converter Reducing (*)
5	702 284 C1	AMMETER
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	281 568 R92 300 646 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash)
8	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
9	702 027 C1 443 998	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
9	702 027 C1 9 402 745	GAUGE, engine oil pressure - Continued ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose)
	29 901 D	BODY, junction block to engine oil pressure tube
	89 863 H	CONNECTOR, engine oil pressure (upper and lower tube)
	30 402 D 117 966	ELBOW, engine oil pressure GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 243 C91	HOSE, 1/4" ID x 13-1/2" long including FITTINGS
	29 898 D	NUT, engine oil pressure tube (2)
		TUBE, engine oil pressure (lower) (order PACKAGE, 603 406 C91) TD-15BP 6001 to 6326
	603 408 C1	TUBE, engine oil pressure (lower) (used on units equipped with PACKAGE, 603 406 C91)
	341 942 R1	TUBE, engine oil pressure (lower) (See NOTE A) TD-15BP 6327 to 7948 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
		TUBE, engine oil pressure (upper) (order PACKAGE, 603 406 C91) TD-15BP 6001 to 6326
	603 407 C1	TUBE, engine oil pressure (upper) (used on units equipped with PACKAGE, 603 406 C91)
	341 940 R1	TUBE, engine oil pressure (upper) (See NOTE A) TD-15BP 6001 to 6326 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948
		NOTE A - To Update Machines Equipped With Engine Oil Pressure Upper TUBE, 341 940 R1 and Engine Oil Pressure Lower TUBE, 341 942 R1 Serial Numbers TD-15BP 6327 to 9370, TD-15BG 7260 to 9370 and TD-15BGA 7260 to 9370 (Order the following parts - 1 CONNECTOR 606 049 C1 1 CONNECTOR 606 885 C1 1 ELBOW 319 615 R1 1 TUBE 607 854 C11 1 TUBE 607 858 C11)
		(*) - For Power Shift Crawler Tractors. (%) - For Manual Shift or Agr. Crawler Tractors.

**INSTRUMENTS AND
INSTRUMENT PANEL**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED (For Units Equipped With Roosa-Master Fuel Injection Pumps) TD-15BP 6001 to 7948 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948		
10		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
11	432 577	PLUG, instrument panel hole button (%)
12	619 551 C1	GAUGE, clutch oil pressure (*) TD-15BP 6001 to 7357
12	619 739 C91	GAUGE, clutch oil pressure (*) TD-15BP 7358 to 7948
9	402 745	ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose)
	29 901 D	BODY, junction block to clutch oil pressure upper tube
	308 523 R1	CLIP, lower clutch oil pressure tube (on front frame)
	89 863 H	CONNECTOR, clutch oil pressure (upper and lower tube)
	30 402 D	ELBOW, clutch oil pressure (regulator outlet tube to manifold) TD-15BP 7358 to 7948
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash) (3)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	444 814	PLUG, 1/8" auxiliary filter inlet tee TD-15BP 7358 to 7948
	29 898 D	NUT, clutch oil pressure tube (4)
	16 898 R1	TEE, clutch oil pressure gauge tube to auxiliary filter inlet reducer TD-15BP 7358
	95 791 H	TEE, clutch oil pressure outlet (on pressure regulator main body) TD-15BP 6326 to 7357
		TUBE, clutch oil pressure (lower) (order PACKAGE, 603 409 C91) TD-15BP 6001 to 6326
	603 411 C1	TUBE, clutch oil pressure (lower) (used on units equipped with PACKAGE, 603 409 C91) TD-15BP 6001 to 6326
	341 938 R1	TUBE, clutch oil pressure (lower) TD-15BP 6327 to 7357
	603 294 C1	TUBE, clutch oil pressure (lower) TD-15BP 7358 to 7948
		TUBE, clutch oil pressure (upper) (order PACKAGE, 603 409 C91) TD-15BP 6001 to 6326
	603 410 C1	TUBE, clutch oil pressure (upper) (used on units equipped with PACKAGE, 603 409 C91) TD-15BP 6001 to 6326
	341 939 R1	TUBE, clutch oil pressure (upper) TD-15BP 6327 to 7948
	16 898 R1	TEE, clutch oil pressure connector (on pressure regulator body) TD-15BP 6001 to 6325
	444 814	PLUG, 1/8" hex-hd pipe TD-15BP 6001 to 6325
	179 837	SCREW, 3/8 x 3/4" hex-hd cap (used with CLIP, 308 523 R1)
	103 341	WASHER, 13/32 x 13/16" x 16 ga (used with CLIP, 308 523 R1)
	103 321	WASHER, 3/8" lock (used with CLIP, 308 523 R1)
13	346 666 R91	INDICATOR, filter service (also listed and illustrated with "Filter Service Indicator")
	334 445 R1	BLOCK, header (pressure lines)
	102 634	5/16" NUT (2)
	179 821	5/16 x 1-3/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	278 834 R2	CLAMP, instrument tube
	179 800	1/4 x 1-3/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)

**INSTRUMENTS AND
INSTRUMENT PANEL**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED (For Units Equipped With Roosa-Master Fuel Injection Pumps) TD-15BP 6001 to 7948 TD-15BG 7260 to 7948 TD-15B(Agr)BGA 7260 to 7948		
264 674 R91		DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter") TD-15BP 7713 to 7948 TD-15BG 7713 to 7948 TD-15B(Agr)BGA 7713 to 7948
120 302		GROMMET, rubber (air cleaner indicator tube) (on dash)
603 406 C91		PACKAGE, engine oil pressure pipe service TD-15BP 6001 to 6326 (Consists of - 2 NUT 29 898 D 1 PIPE 603 407 C1 1 PIPE 603 408 C1 1 UNION 89 863 H)
603 409 C91		PACKAGE, clutch oil pressure pipe service TD-15BP 6001 to 6326 (Consists of - 2 NUT 29 898 D 1 PIPE 603 410 C1 1 PIPE 603 411 C1 1 UNION 89 863 H)
278 836 R2		PAD, clamp (2)

(*) - For Power Shift Crawler Tractors.
(%)- For Manual Shift or Agr. Crawler Tractors.

INSTRUMENTS AND
INSTRUMENT PANEL

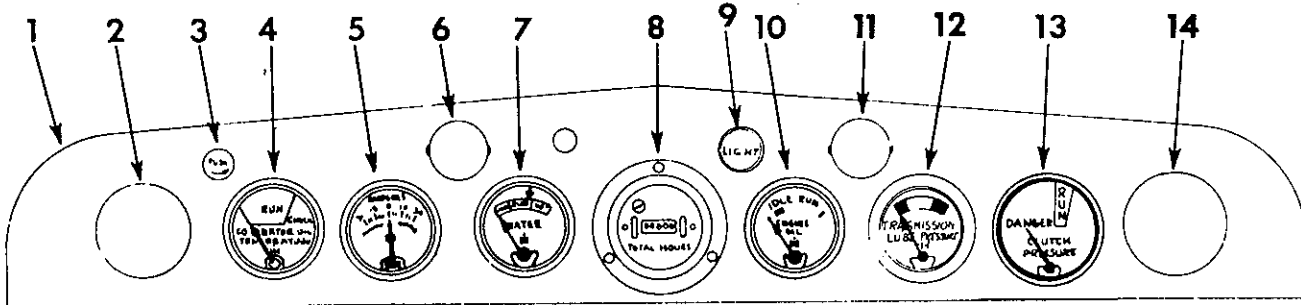
INSTRUMENTS AND INSTRUMENT PANEL

(For Units Equipped with Roosa-Master Fuel Injection Pumps)
TD-15BP 20416 to 21003
TD-15BG 20433 to 21003
TD-15B(Agr)BGA 20433 to 21003
TD-15BPS 20433 to 21003

INSTRUMENTS AND
INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped with Roosa-Master Fuel Injection Pumps)
TD-15BP 20416 to 21003
TD-15BG 20433 to 21003
TD-15B(Agr)BGA 20433 to 21033
TD-15BPS 20433 to 21003



CEA-84479A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	703 492 C1 298 000 R1 181 315 103 319	PANEL, instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	432 577	PLUG, instrument panel hole button
3	376 852 R91	HOUSING, w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending UNIT 610 723 C91)
4	619 817 C91 604 872 C91 218 251	GAUGE, torque converter oil temperature (together with INSULATOR 604 872 C1 and TEE 218 251 will work for GAUGE, 336 125 R92, GAUGE 610 720 C91, Sending UNIT 610 721 C91 and Sending UNIT 336 126 R91)(*) INSULATOR, Positive Terminal on Ammeter (*) TEE, Torque Converter Outlet Reducing (*)
5	702 284 C1	AMMETER
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
8	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
9	606 298 C91	SWITCH, lighting (also listed and illustrated with "Electric Starting and Lighting")
10	702 027 C1 443 998 9 402 745 606 885 C1	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine) ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose) CONNECTOR, junction block to engine oil pressure tube

REF. NO.	I. H. PART NUMBER	DESCRIPTION
10	702 027 C1 606 049 C1 319 615 R1 117 966	GAUGE, engine oil pressure - Continued CONNECTOR, engine oil pressure (upper and lower tube) ELBOW, engine oil pressure GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 243 C91 915 499 R1 915 500 R1 607 854 C11	HOSE, 1/4" ID x 13-1/2" long including FITTINGS NUT, ending oil pressure tube (4) SLEEVE, engine oil pressure tube (4) TUBE w/two NUT; 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower)
	607 858 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper)
11		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
12	432 577	PLUG, instrument panel hole button (%)
12	702 257 C1 9 402 745 263 717 R91 606 049 C1 606 885 C1 117 966 606 242 C91 915 499 R1 915 500 R1 607 861 C11 607 862 C11	GAUGE, transmission lubricating oil pressure (*) ADAPTER, 1/8 x 7/16NF (transmission lubricating oil pressure gauge to hose) CLIP, lubricating pressure lower tube (at clutch tube) CONNECTOR, lubricating pressure (upper and lower tube) CONNECTOR, lubricating oil pressure gauge (at junction block and at regulator tee) (2) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 10" long including FITTINGS NUT, lubricating pressure tube (4) SLEEVE, lubricating pressure tube (4) TUBE, lubricating oil pressure gauge (upper) TUBE, lubricating oil pressure gauge (lower)

(*) - For Power Shift Crawler tractors.
(%) - For Manual Shift or Agr. Crawler Tractors.

INSTRUMENTS AND
INSTRUMENT PANEL

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped with Roosa-Master Fuel Injection Pumps)
 TD-15BP 20416 to 21003
 TD-15BC 20433 to 21003
 TD-15B(Agr)BGA 20433 to 21003
 TD-15BPS 20433 to 21003

13	432 577	PLUG, instrument panel hole button (%)
13	619 739 C91	GAUGE, clutch oil pressure (*)
	9 402 745	ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose)
	119 933	BUSHING, 3/8 x 1/8" reducer
	606 885 C1	CONNECTOR, junction block to clutch oil pressure upper tube
	308 523 R1	CLIP, lower clutch oil pressure tube (on front frame)
	606 049 C1	CONNECTOR, clutch oil pressure (upper and lower tube)
	319 615 R1	ELBOW, clutch oil pressure (regulator outlet tube to manifold)
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	915 499 R1	NUT, clutch oil pressure tube (4)
	179 837	3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1)
	915 500 R1	SLEEVE, clutch oil pressure tube (4)
	319 615 R1	ELBOW, clutch oil pressure gauge tube to pressure filter inlet reducer
	607 857 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower)
	607 856 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper)
	103 341	13/32 x 13/16" x 16 ga WASHER (used with CLIP 308 523 R1)
	103 321	3/8" lock WASHER (used with CLIP, 308 523 R1)
14	432 577	PLUG, instrument panel hole button
	275 131 R1	BLOCK, header (pressure lines)
	102 634	5/16" NUT (2)
	179 821	5/16 x 1-3/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	278 834 R2	CLAMP, instrument tube
	179 800	1/4 x 1-3/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
	264 674 R91	DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter")
	278 836 R1	PAD, clamp (2)

(*) - For Power Shift Crawler Tractors.
 (%) - For Manual Shift Or Agr. Crawler Tractors.

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INSTRUMENTS AND INSTRUMENT PANEL

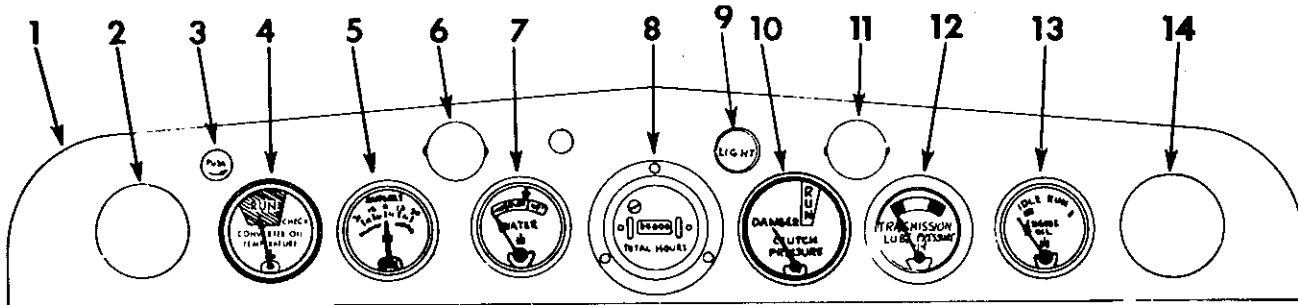
INSTRUMENTS AND INSTRUMENT PANEL

(For Units Equipped with Roosa-Master Fuel Injection Pumps)
 TD-15BP 21004 to 22922
 TD-15BG 21004 to 22922
 TD-15B(Agr)BCA 21004 to 25000
 TD-15BPS 21004 to 22922
 TD-15BGF 21281 to 22922
 TD-15BGS 21676 to 22922

INSTRUMENTS AND INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped with Roosa-Master Fuel Injection Pumps)
 TD-15BP 21004 to 22922
 TD-15BG 21004 to 22922
 TD-15B(Agr)BCA 21004 to 25000
 TD-15BPS 21004 to 22922
 TD-15BGF 21281 to 22922
 TD-15BGS 21676 to 22922



CE-87672 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	703 492 C1 298 000 R1 181 315 103 319	PANEL, instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	432 577	PLUG, instrument panel hole button
3	376 852 R91	HOUSING, w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending UNIT, 610 723 C91)
4	619 817 C91 604 872 C91 218 251	GAUGE, Torque Converter Oil Temperature (together with INSULATOR, 604 872 C91 and TEE, 218 251 will work for GAUGE, 610 720 C1, GAUGE 336 125 R92, Sending UNIT 610 721 C91 and Sending UNIT 336 126 R91) (*) INSULATOR, Torque Converter Oil Temperature Gauge (*) TEE, Torque Converter Outlet Reducing (*)
5	702 284 C1	AMMETER
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
8	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
9	606 298 C91	SWITCH, lighting (also listed and illustrated with "Electric Starting and Lighting")
10	432 577	PLUG, instrument panel hole button (%)
10	619 552 C1 9 402 745	GAUGE, clutch oil pressure (*) ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	619 739 C91 119 933 606 885 C1 308 523 R1 606 049 C1 319 615 R1 117 966 606 243 C91 915 499 R1 915 500 R1	GAUGE, clutch oil pressure (*) - Continued BUSHING, 3/8 x 1/8" reducer CONNECTOR, junction block to clutch oil pressure upper tube CLIP, lower clutch oil pressure tube (on front frame) CONNECTOR, clutch oil pressure (upper and lower tube) ELBOW, clutch oil pressure (regulator outlet tube to manifold) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 13-1/2" long including FITTINGS NUT, clutch oil pressure tube (4) 3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1) SLEEVE, clutch oil pressure tube (4)
	319 615 R1 607 857 C11 616 112 C11	ELBOW, clutch oil pressure gauge tube to pressure filter inlet reducer TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower) TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper)
	103 341 103 321	13/32 x 13/16" x 16 ga WASHER (used with CLIP, 308 523 R1) 3/8" lock WASHER (used with CLIP, 308 523 R1)
11		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
12	432 577	PLUG, instrument panel hole button (%)
12	702 257 C1 9 402 745 263 717 R91 606 049 C1	GAUGE, transmission lubricating oil pressure (*) ADAPTER, 1/8 x 7/16NF (transmission lubricating oil pressure gauge to hose) CLIP, lubricating pressure lower tube (at clutch tube) CONNECTOR, lubricating pressure (upper and lower tube)

(*) - For Power Shift Tractor and Sideboom Power Shift Tractors.
 (%) - For Manual Shift Tractor, Agr. Tractor and Bucket Backfiller Tractor.

INSTRUMENTS AND
INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED (For Units Equipped with Roosa-Master Fuel Injection Pumps)		
		TD-15BP 21004 to 22922
		TD-15BG 21004 to 22922
		TD-15B(Agr)BGA 21004 to 25000
		TD-15BPS 21004 to 22922
		TD-15BGF 21281 to 22922
		TD-15BGS 21676 to 22922
12	702 257 C1	GAUGE, transmission lubricating oil pressure (2) - Continued
	606 885 C1	CONNECTOR, lubricating oil pressure gauge (at junction block and at regulator tee) (2)
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	915 499 R1	NUT, lubricating pressure tube (4)
	915 500 R1	SLEEVE, lubricating pressure tube (4)
	607 861 C11	TUBE, lubricating oil pressure gauge (upper)
	607 862 C11	TUBE, lubricating oil pressure gauge (lower)
13	702 027 C1	GAUGE, engine oil pressure
	443 998	ADAPTER, engine oil pressure (at engine)
	9 402 745	ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose)
	606 885 C1	CONNECTOR, junction block to engine oil pressure tube
	606 049 C1	CONNECTOR, engine oil pressure (upper and lower tube)
	319 615 R1	ELBOW, engine oil pressure
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	915 499 R1	NUT, ending oil pressure tube (4)
	915 500 R1	SLEEVE, engine oil pressure tube (4)
	607 854 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower)
	616 113 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper)
14	432 577	PLUG, instrument panel hole button
	275 131 R1	BLOCK, header (pressure lines)
	102 634	5/16" NUT (2)
	179 821	5/16 x 1-3/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	278 834 R2	CLAMP, instrument tube
	179 800	1/4 x 1-3/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
	264 674 R91	DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter")
	278 836 R1	PAD, clamp (2)

(*) - For Power Shift Tractors and Sideboom Power Shift Tractor.

(%) - For Manual Shift Tractor, Agr. Tractor and Bucket Backfiller Tractor.

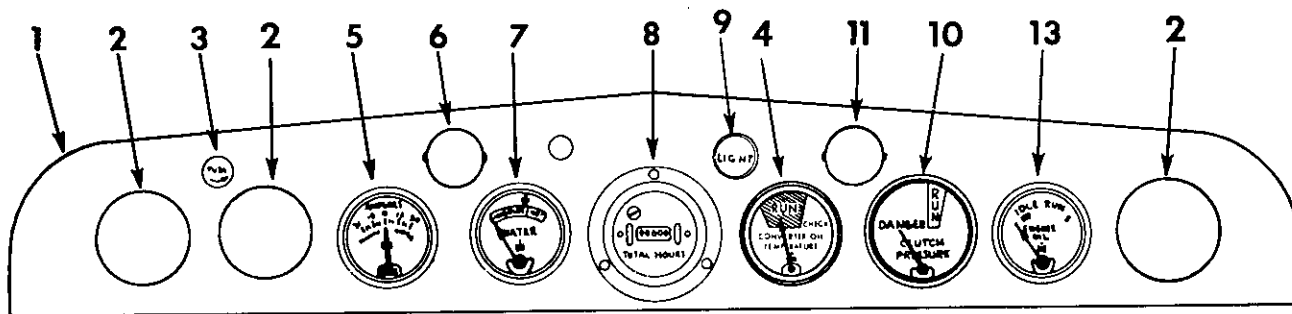
MEMORANDA

**INSTRUMENTS AND
INSTRUMENT PANEL**

INSTRUMENTS AND INSTRUMENT PANEL
(For Units Equipped with Roosa-Master Fuel Injection Pumps)
TD-15BP 22923 to 23043
TD-15BG 22923 to 23039
TD-15BPS 22923 to 23043
TD-15BGF 22923 to 23039
TD-15BGS 22923 to 23039

**INSTRUMENTS AND
INSTRUMENT PANEL**

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
(For Units Equipped with Roosa-Master Fuel Injection Pumps)
TD-15BP 22923 to 23043
TD-15BG 22923 to 23039
TD-15BPS 22923 to 23043
TD-15BGF 22923 to 23039
TD-15BGS 22923 to 23039



CE-94231

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	703 492 C1 298 000 R1 181 315 103 319	PANEL, Instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	432 577	PLUG, instrument panel hole button (3)
3	376 852 R91	HOUSING, w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending UNIT, 610 723 C91)
4	619 817 C91 604 872 C91 218 251	GAUGE, Torque Converter Oil Temperature (Together with INSULATOR, 604 872 C91 and TEE, 218 251 will work for GAUGE, 610 720 C1, GAUGE, 336 125 R92, Sending UNIT 610 721 C91 and Sending UNIT 336 126 R91) (*) INSULATOR, Torque Converter Oil Temperature Gauge (*) TEE, Torque Converter Outlet Reducing (*)
5	702 284 C1	AMMETER
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
7	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
8	624 552 C91	HOURLMETER (also listed and illustrated with "Hourmeter")
9	606 298 C91	SWITCH, lighting (also listed and illustrated with "Electric Starting and Lighting")
10	432 577	PLUG, instrument panel hole button (%)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
10	619 739 C91 9 402 745 606 885 C1 308 523 R1 606 049 C1 117 966 606 243 C91 915 499 R1 179 837 915 500 R1 319 615 R1 624 396 C91 610 713 C1 9 409 923 624 394 C91 103 341 103 321	GAUGE, clutch oil pressure (%) ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose) CONNECTOR, junction block to clutch oil pressure upper tube CLIP, lower clutch oil pressure tube (on front frame) CONNECTOR, clutch oil pressure (upper and lower tube) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 13-1/2" long including FITTINGS NUT, clutch oil pressure tube (4) 3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1) SLEEVE, clutch oil pressure tube (4) ELBOW, clutch oil pressure gauge tube to pressure filter inlet reducer TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower) TEE, Regulator Outlet Pipe to Manifold ELBOW, Regulator Outlet TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper) 13/32 x 13/16" x 16 ga WASHER (used with CLIP, 308 523 R1) 3/8" lock WASHER (used with CLIP, 308 523 R1)
11		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
13	702 027 C1 443 998 9 402 745	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine) ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose)

(*) - For Power Shift Tractor and Sideboom Power Shift Tractors.
(%) - For Manual Shift Tractor, and Bucket Backfiller Tractor.

INSTRUMENTS AND
INSTRUMENT PANEL

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped with Roosa-Master Fuel Injection Pumps)

TD-15BP 22923 to 23043

TD-15BG 22923 to 23039

TD-15BPS 22923 to 23043

TD-15BGF 22923 to 23039

TD-15BGS 22923 to 23039

13	702 027 C1	GAUGE, engine oil pressure - Continued
	606 885 C1	CONNECTOR, junction block to engine oil pressure tube
	606 049 C1	CONNECTOR, engine oil pressure (upper and lower tube)
	319 615 R1	ELBOW, engine oil pressure
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	915 499 R1	NUT, ending oil pressure tube (4)
	915 500 R1	SLEEVE, engine oil pressure tube (4)
	607 854 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower)
	616 113 C11	TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper)
14	432 577	PLUG, instrument panel hole button
	334 445 R1	BLOCK, header (pressure lines)
	102 634	5/16" NUT (2)
	179 821	5/16 x 1-3/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	278 834 R2	CLAMP, instrument tube
	179 800	1/4 x 1-3/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
	264 674 R91	DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter")
	278 836 R1	PAD, clamp (2)

(*) - For Power Shift Tractors and Sideboom Power Shift Tractor.

(%) - For Manual Shift Tractor, and Bucket Backfiller Tractor.

**INSTRUMENTS AND
INSTRUMENT PANEL**

INSTRUMENTS AND INSTRUMENT PANEL

(For Units Equipped with Roosa-Master Fuel Injection Pumps)

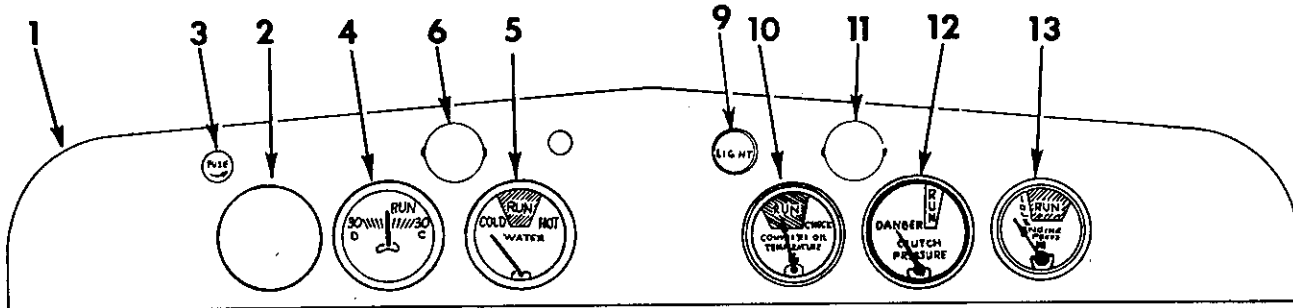
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- TD-15B(Custom)BGA 25001 up
- TD-15BPS 23044 up
- TD-15BGF 23040 up
- TD-15BGS 23040 up

**INSTRUMENTS AND
INSTRUMENT PANEL**

INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

(For Units Equipped with Roosa-Master Fuel Injection Pumps)

- TD-15BP 23044 up
- TD-15BG 23040 up
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 23044 up
- TD-15BGF 23040 up
- TD-15BGS 23040 up



CE-94232

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	624 357 C1 298 000 R1 181 315 103 319	PANEL, instrument MOUNT, vibration (4) 1/4NF x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 1/4" lock WASHER (4)
2	432 577	PLUG, instrument panel hole button
3	376 852 R91	HOUSING, w/two CABLES, fuse (also listed and illustrated with "Electric Starting and Lighting")
4	702 284 C1	AMMETER
5	702 220 C1 300 646 R1 384 554 R1	GAUGE, engine temperature (water) GROMMET, rubber (engine temperature gauge tube) (on dash) CLIP, engine temperature tubing (on bottom bolt of air cleaner bracket)
6		LIGHT, LH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
9	606 298 C91	SWITCH, lighting (also listed and illustrated with "Electric Starting and Lighting")
10	610 722 C91	GAUGE, engine clutch oil temperature (Order button PLUG 432 577) (%)
10	432 577 444 624	PLUG, instrument panel hole button (%) (will work for GAUGE, 610 722 C91) PLUG, 3/8" pipe (will work for sending UNIT 610 723 C91)
10	619 817 C91	GAUGE, Torque Converter Oil Temperature (Together with INSULATOR, 604 872 C91 and TEE, 218 251 will work for GAUGE, 610 720 C1, GAUGE, 336 125 R92, Sending UNIT 610 721 C91 and Sending UNIT, 336 126 R91) (*)
	604 872 C91	INSULATOR, Torque Converter Oil Temperature Gauge (*)
	218 251	TEE, Torque Converter Outlet Reducing (*)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
11		LIGHT, RH instrument panel (also listed and illustrated with "Electric Starting and Lighting")
12	619 739 C91 9 402 745 606 885 C1 308 523 R1 606 049 C1 610 713 C1 117 966 606 243 C91 915 499 R1 179 837 915 500 R1 9 409 923 319 615 R1 624 396 C91 624 394 C91 103 341 103 321	GAUGE, clutch oil pressure (*) ADAPTER, 1/8 x 7/16NF (clutch oil pressure gauge to hose) CONNECTOR, junction block to clutch oil pressure upper tube CLIP, lower clutch oil pressure tube (on front frame) CONNECTOR, clutch oil pressure (upper and lower tube) TEE, clutch oil pressure (regulator outlet tube to manifold) GROMMET, rubber (oil pressure gauge hose) (on dash) HOSE, 1/4" ID x 13-1/2" long including FITTINGS NUT, clutch oil pressure tube (4) 3/8 x 3/4" hex-hd cap SCREW (used with CLIP, 308 523 R1) SLEEVE, clutch oil pressure tube (4) ELBOW, Regulator Outlet ELBOW, clutch oil pressure gauge tube to pressure filter inlet reducer TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (lower) TUBE, w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure (upper) 13/32 x 13/16" x 16 ga WASHER (used with CLIP, 308 523 R1) 3/8" lock WASHER (used with CLIP, 308 523 R1)
12	432 577	PLUG, instrument panel hole button (%)
13	702 027 C1 443 998 9 402 745 606 885 C1 606 049 C1	GAUGE, engine oil pressure ADAPTER, engine oil pressure (at engine) ADAPTER, 1/8 x 7/16NF (engine oil pressure gauge to hose) CONNECTOR, junction block to engine oil pressure tube CONNECTOR, engine oil pressure (upper and lower tube)

(*) - For Power Shift Tractor and Sideboom Power Shift Tractors.
(%) - For Manual Shift Tractor, Custom Tractor and Bucket Backfiller Tractor.

INSTRUMENTS AND
INSTRUMENT PANEL

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED
(For Units Equipped with Roosa-Master Fuel Injection Pumps)

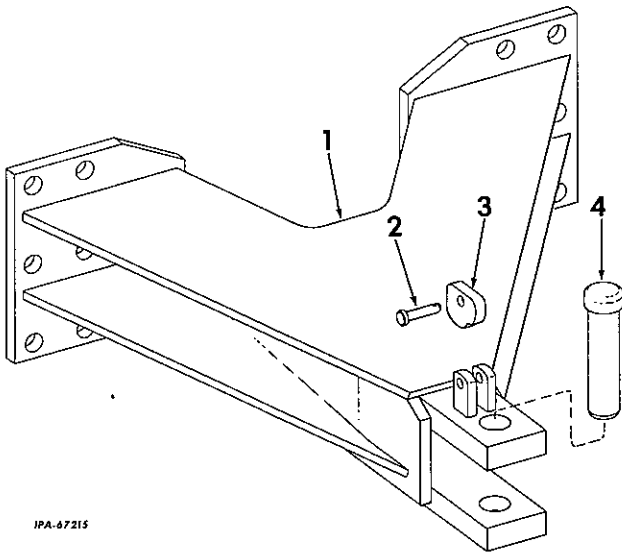
TD-15BP 23044 up
TD-15BG 23040 up
TD-15B(Custom)BGA 25001 up
TD-15BPS 23044 up
TD-15BGF 23040 up
TD-15BGS 23040 up

13	702 027 C1	GAUGE, engine oil pressure - Continued
	319 615 R1	ELBOW, engine oil pressure
	117 966	GROMMET, rubber (oil pressure gauge hose) (on dash)
	606 242 C91	HOSE, 1/4" ID x 10" long including FITTINGS
	915 499 R1	NUT, ending oil pressure tube (4)
	915 500 R1	SLEEVE, engine oil pressure tube (4)
	607 854 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (lower)
	616 113 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure (upper)
	334 445 R1	BLOCK, header (pressure lines)
	102 634	5/16" NUT (2)
	179 821	5/16 x 1-3/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
	278 834 R2	CLAMP, instrument tube
	179 800	1/4 x 1-3/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
	264 674 R91	DAMPENER, hourmeter vibration (also listed and illustrated with "Hourmeter")
	278 836 R1	PAD, clamp (2)

MEMORANDA

DRAWBAR

RIGID DRAWBAR
 (Standard for Crawler Tractors)
 (Heavy Duty Rigid Drawbar for Sideboom Crawler Tractors)



IPA-67215

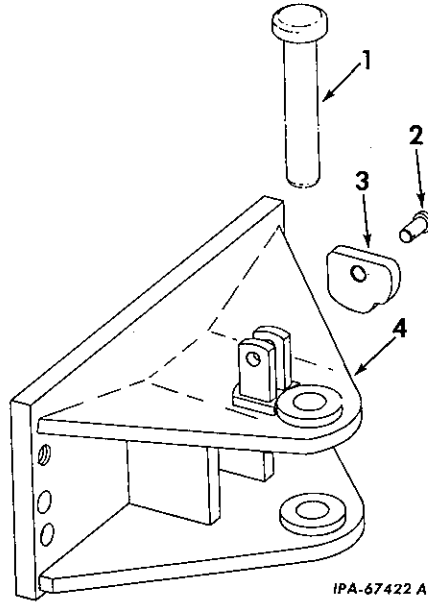
REF. NO.	I.H. PART NUMBER	DESCRIPTION
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Parts without letters after the description indicates the part is used for all drawbars listed below. Letters A and B are used to identify separate drawbars.

A		Service parts for rigid drawbar (not used on units equipped with 15-260 or 15-260S rear cable control units)
B	604 586 C91	ATTACHMENT, rigid drawbar (used to modify units equipped with 15-260 or 15-260S rear cable control units) (Not for sideboom crawler tractors) (see NOTE 3)
C		Service parts for heavy duty rigid drawbar (for use with sideboom and custom crawler tractors)
1	327 800 R91 179 807	DRAWBAR (Drawbar A and C) 1 x 2-1/2" hex-hd cap SCREW (will work for 1NF NUT and STUD, 325 408 R1)(12)
2	33 558 V 103 384	PIN, clevis cam locking (Drawbar A) 1/8 x 3/4" cotter PIN
3	278 112 R1	CAM, clevis pin locking (Drawbar A)
4	325 096 R1	PIN, drawbar clevis (Drawbar A)
		DRAWING, drawbar, rework (Drawbar B)
	604 095 C1 179 882 103 323	PLATE, clevis pin lock (Drawbar B) 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
	604 096 C1	PIN, drawbar clevis lock (Drawbar B)

DRAWBAR

RIGID DRAWBAR
 (Not Heavy Duty)
 (For Sideboom Crawler Tractors)



IPA-67422 A

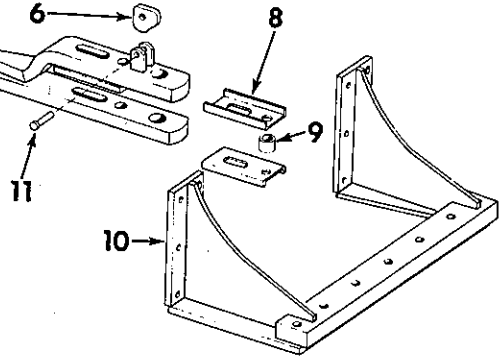
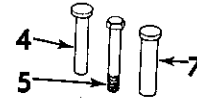
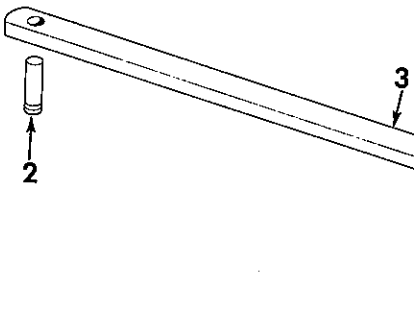
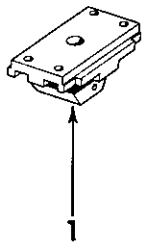
REF. NO.	I.H. PART NUMBER	DESCRIPTION
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1	325 096 R1	PIN, drawbar clevis
2	33 558 V 103 384	PIN, clevis cam locking 1/8 x 3/4" cotter PIN
3	278 112 R1	CAM, clevis pin locking
4	603 324 C91 271 657	DRAWBAR 7/8 x 2-1/4" hex-hd cap SCREW (4)

NOTE 3 - Field Application - Order Through
 Regular Service Parts Channels.

DRAWBAR

SWINGING DRAWBAR
(Not for Backfiller or Sideboom Crawler Tractors)



IPA-67657

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all attachments listed below. Letters A and B are used to identify separate attachments.
A-	334 473 R93	ATTACHMENT, swinging drawbar (not used on units equipped with 15-260 or 15-260S rear cable control units) (See NOTES 1 and 3)
B-	604 587 C91	ATTACHMENT, swinging drawbar (used to modify swinging drawbar, 334 233 R12, when Model 15-260CCU is applied)
1	334 232 R2 271 609	BRACKET, drawbar pivot 3/4 x 1-3/4" hex-hd cap SCREW (4)
2	334 235 R1 179 887 103 323	PIN, drawbar pivot 1/2 x 1-3/4" hex-hd cap SCREW 1/2" lock WASHER
3	334 233 R13	DRAWBAR (Attachment A)
4	304 755 R1 103 423	PIN, drawbar stop (Attachment A) 1/4 x 2-1/4" cotter PIN
4	603 307 C1	PIN, drawbar stop (Attachment B)
5	18 274 R1 220 083	BOLT, 1 x 7-1/2" hex-hd 1" NUT

DRAWBAR

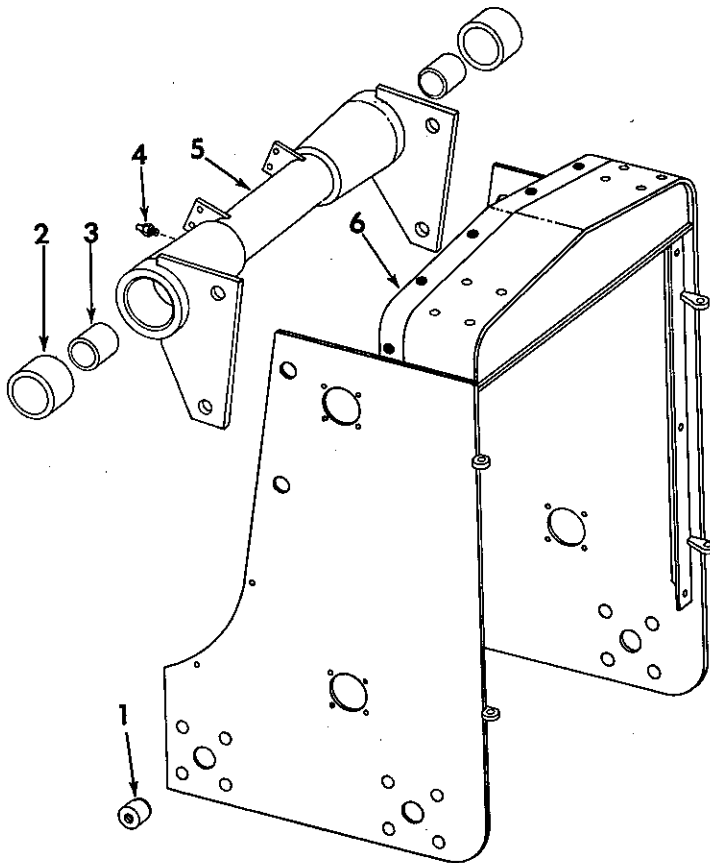
SWINGING DRAWBAR - CONTINUED
(Not for Backfiller or Sideboom Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	278 112 R1	CAM, clevis pin locking (not furnished as part of Attachment) (Attachment A)
7	325 096 R1	PIN, drawbar clevis (not furnished as part of Attachment) (Attachment A)
7	604 096 C1	PIN, drawbar clevis (Attachment B)
8	53 977 D	PLATE, drawbar clevis wear (2)
9		SPACER, drawbar jaw wear plate (1-1/2" std pipe x 2-5/32" long - obtain locally)
10	334 234 R92 271 549	BRACKET, drawbar guide 1 x 2-1/2" hex-hd cap SCREW (12)
11	33 558 V 103 384	PIN, clevis cam locking (not furnished as part of Attachment) (Attachment A) 1/8 x 3/4" cotter PIN
		DRAWING, drawbar rework (Attachment B)
	278 115 R1 179 882 103 323	PLATE, drawbar stop pin lock (Attachment B) 1/2 x 1-1/8" hex-hd cap SCREW 1/2" lock WASHER
	604 095 C1 179 882 103 323	PLATE, drawbar clevis pin lock (Attachment B) 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

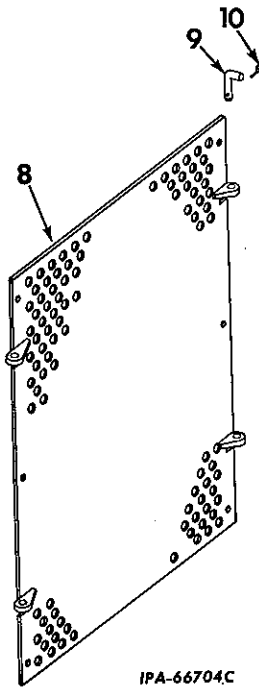
RADIATOR GUARD

RADIATOR GUARD
 (Regular) (Hydraulic)
 TD-15BP 6001 to 25000
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BPS 9371 up
 TD-15BGS 21676 up
 TD-15BGF 21281 to 25259



RADIATOR GUARD

RADIATOR GUARD - CONTINUED
 (Regular) (Hydraulic)
 TD-15BP 6001 to 25000
 TD-15BG 7260 to 25000
 TD-15B(Agr)BGA 7260 to 25000
 TD-15BPS 9371 up
 TD-15BGS 21676 up
 TD-15BGF 21281 to 25259



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	334 325 R1	DOWEL, mounting (used with radiator GUARD, 334 471 R91 and 334 471 R92) (4)
1	334 407 R1	DOWEL, mounting (used with radiator GUARD, 334 460 R91 and 334 460 R92) (4)
	330 567 R1	BOLT (4)
2	289 255 R1	BUSHING, outer (2)
3	345 971 R1	BUSHING, inner (2)
4	126 152	FITTING, 1/8" extra short lubrication (Lincoln 5200) (optional with 271 283) (2)
4	271 283	FITTING, 1/8" extra short lubrication (Alemite 1688B) (optional with 126 152) (2)
5		CROSSTUBE (not furnished separately)
6	334 460 R91	GUARD, radiator (less crosstube) (regular) TD-15BP 6001 to 22000 TD-15BG 7260 to 22000 TD-15B(Agr)BGA 7260 to 22000 TD-15BPS 9371 to 22000 TD-15BGS 21676 to 22000 (Order the following parts - 1 DOOR 609 985 C11 1 GUARD 334 460 R92 4 PIN 334 460 R91 4 PIN 373 025 R91)

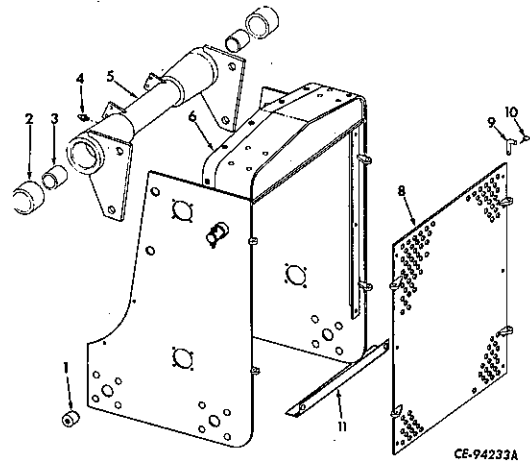
REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	334 471 R91	GUARD ASSY, radiator (hydraulic) TD-15BP 6001 to 22000 TD-15BG 7260 to 22000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 22000 TD-15BGS 21676 to 22000 (Order the following parts - 1 DOOR 609 985 C11 1 GUARD 334 471 R92 4 PIN 334 460 R91 4 PIN 373 025 R91)
6	334 460 R92	GUARD, radiator (less crosstube) (regular) TD-15BP 22001 to 25000 TD-15BG 22001 to 25000 TD-15BPS 22001 up TD-15BGS 22001 up
6	334 471 R92	GUARD ASSY, radiator (hydraulic) TD-15BP 22001 to 25000 TD-15BG 22001 to 25000 TD-15BPS 22001 up TD-15BGS 22001 up

RADIATOR GUARD

REF. NO.	I. H. PART NUMBER	DESCRIPTION
RADIATOR GUARD - CONTINUED (Regular) (Hydraulic) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 up TD-15BGS 21676 up TD-15BGF 21281 to 25259		
6	334 471 R92	GUARD ASSY, radiator (hydraulic) - Cont'd. (Composed of - 2 BUSHING 289 255 R1 2 BUSHING 289 256 R1 § 1 CROSTUBE § 1 GUARD 2 PLUG 336 238 R1)
6	271 650 700 179 C1	7/8 x 1-1/4" hex-hd cap SCREW (16) GUARD, radiator (less crosstube)(regular) L-TD15BGF 21281 to 25259
8	334 296 R11	DOOR, radiator guard TD-15BP 6001 to 22000 TD-15BG 7260 to 22000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 22000
	271 558 103 325 341 816 R1	5/8 x 1-1/2" hex-hd cap SCREW (6) 5/8" lock WASHER (6) WASHER, shoulder (6)
8	609 985 C11	DOOR, radiator guard TD-15BP 22001 to 25000 TD-15BG 22001 to 25000 TD-15BPS 22001 up TD-15BGF 21281 to 25229
9	612 915 C1	PIN, door latch (4) TD-15BP 22001 to 25000 (4) TD-15BG 22001 to 25000 (4) TD-15BPS 22001 up (4) TD-15BGF 22001 to 25229
10	373 025 R91	PIN, latch pin retainer (4) TD-15BP 22001 to 25000 (4) TD-15BG 22001 to 25000 (4) TD-15BPS 22001 up (4) TD-15BGF 22001 to 25229
	700 387 C91	PACKAGE, radiator guard hinged door field improvement TD-15BP 6001 to 22000 TD-15BG 7260 to 22000 TD-15B(Agr)BGA 7260 to 25000 TD-15BPS 9371 to 22000 TD-15BGF 21281 to 22000 (Consists of - § 4 BLOCK § 4 HINGE 4 PIN 612 915 C1 4 PIN 373 025 R91)
	612 846 C1	PLATE, radiator guard LH side cover TD-15BGF 21281 to 25229
	179 880 103 323	1/2 x 7/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
	945 422 R1	SCREW, hex-hd cap (For guard door) (6) TD-15BGF 21281 to 22000 WASHER (For guard door) (6) TD-15BGF 21281 to 22000
	341 946 R91	ATTACHMENT, hydraulic radiator guard (Not Back Filler Crawler Tractors) (see NOTE 3) (Composed of - 2 BUSHING 289 255 R1 2 BUSHING 345 971 R1 § 1 CROSTUBE 2 FITTING 271 283 2 PLUG 336 238 R1)
	336 238 R1	PLUG, 2-5/8" cup (2)
NOTE 3 - Field Application - Order Through Regular Service Parts Channels. § - Not Furnished Separately.		

RADIATOR GUARD

RADIATOR GUARD
(Regular) (Hydraulic)
TD-15BP 25001 up, TD-15BG 25001 up, TD-15BGA 25001 up,
TD-15BGF 25230 up

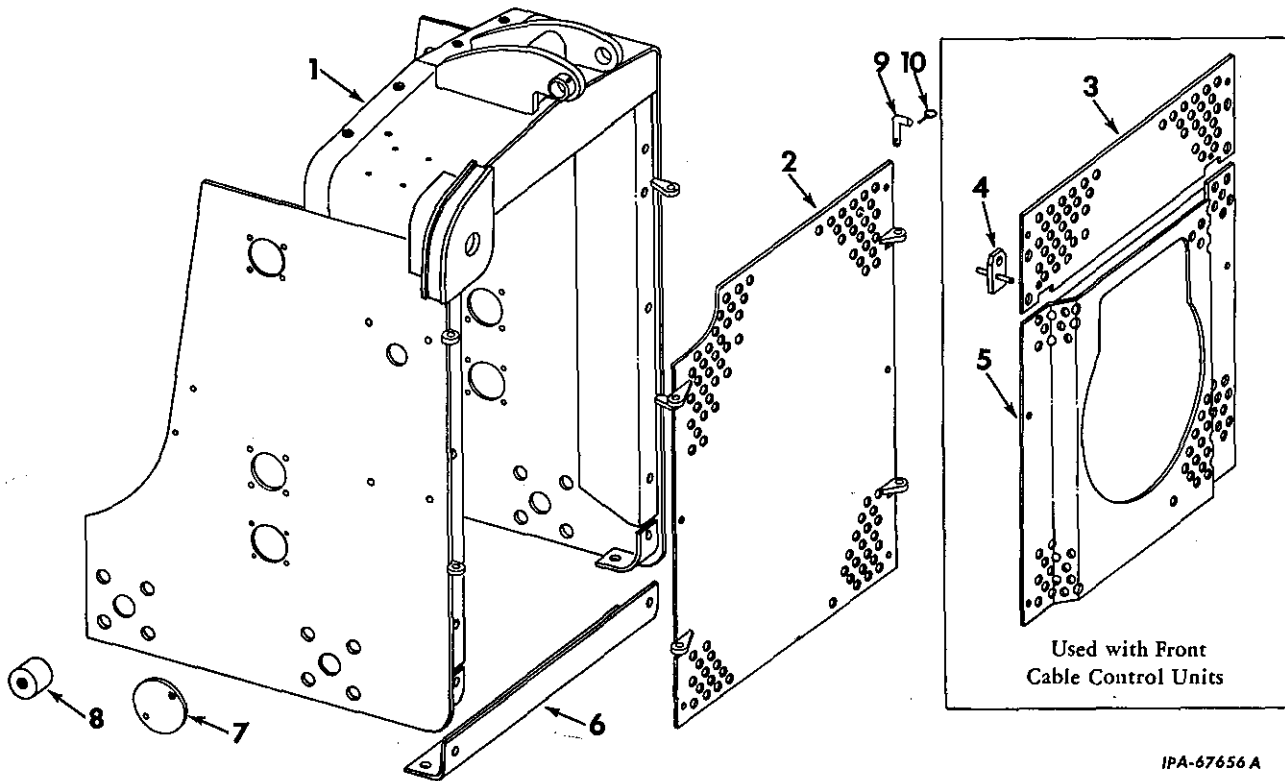


REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	334 407 R1 330 567 R1	DOWEL, mounting (4) BOLT (4)
2	289 255 R1	BUSHING, outer (2)
3	345 971 R1	BUSHING, inner (2)
4	126 152	FITTING, 1/8" extra short lubrication (Lincoln 5200) (optional with 271 283) (2)
4	271 283	FITTING, 1/8" extra short lubrication (Alemite 1688B) (optional with 126 152) (2)
5		CROSTUBE (not furnished separately)
6	620 474 C2 271 657 620 176 C1	GUARD, radiator (less crosstube)(regular) 7/8 x 2-1/4" hex-hd cap SCREW (16) WASHER, flat (16)
6	620 477 C92	GUARD ASSY, radiator (hydraulic) (Composed of - 2 BUSHING 289 255 R1 2 BUSHING 345 971 R1 § 1 CROSTUBE § 1 GUARD 2 PLUG 336 238 R1)
	179 843 24 764 R1	3/8 x 1-1/2" hex-hd cap SCREW (2) 3/8" lock NUT (2)
6	624 097 C2	GUARD, radiator (for backfiller crawler tractors) 7/8 x 2-1/4" hex-hd cap SCREW (16)
	620 176 C1 620 478 C2	WASHER, flat (16) DOOR, radiator guard (see NOTE)
8	612 915 C1	PIN, door latch (4)
9	373 025 R91	PIN, latch pin retainer (4)
10	628 003 C2	ANGLE, radiator guard lower cross
11	271 559 102 630	5/8 x 1-5/8" hex-hd cap SCREW (4) 5/8 NUT (4)
	628 007 C91	PACKAGE, radiator guard door recommended service, (Consists of ANGLE, 628 003 C1 three supports, angle, and strip, with IZG-9382 DRAWING)
	620 484 C91	ATTACHMENT, hydraulic radiator guard crosstube (Not Back Filler Crawler Tractors) (see NOTE 3) (Composed of - 2 BUSHING 289 255 R1 2 BUSHING 345 971 R1 § 1 CROSTUBE 2 FITTING 126 152 2 PLUG 336 238 R1)
	336 238 R1 612 846 C1	PLUG, 2-5/8" cup (2) PLATE, radiator guard LH side cover (for back filler crawler tractors)
	179 880 103 323	1/2 x 7/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
NOTE: When DOOR 620 478 C2 is ordered for tractors equipped with DOOR 620 478 C1 it is recommended customer order PACKAGE 628 007 C91 NOTE 3 - Field Application - Order Through Regular Service Parts Channels. § - Not Furnished Separately.		

RADIATOR GUARD

RADIATOR GUARD

(Cable) (For Manual Shift and Power Shift Crawler Tractors)
 (Not for Sideboom Arg, Custom and Backfiller Crawler Tractors)



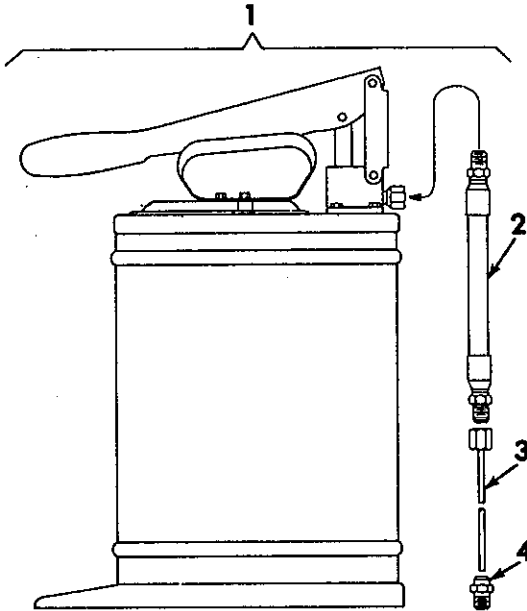
IPA-67656 A

REF. NO.	I.N. PART NUMBER	DESCRIPTION	No. Required												
			A	B	C	D	E	F	G	H	J	K			
A-	334 293 R91	ATTACHMENT, radiator guard (front cable control unit) (for power shift crawler tractor equipped with short core radiator) (*) .													
B-		Service parts for Radiator Guard (front cable control unit) (for power shift crawler tractors equipped with armored core radiator attachment)													
C-	334 298 R91	ATTACHMENT, radiator guard (for power shift crawler tractors equipped with rear cable control unit) (see NOTES 1 and 3)													
D-		Service parts for Radiator Guard (front cable control unit) (for power shift crawler tractors equipped with short core radiator attachment)													
E-	338 004 R91	ATTACHMENT, radiator guard (front cable control unit) (for manual shift crawler tractor equipped with short core radiator attachments) (*)													
F-		Service parts for Radiator Guard (front cable control unit) (for manual shift crawler tractors equipped with armored core or short core radiator attachments)													
G-		Service parts for Radiator Guard (front cable control unit) (for manual shift crawler tractors equipped with woods radiator core attachment)													
H-	338 005 R91	ATTACHMENT, radiator guard (for manual shift crawler tractors equipped with rear cable control unit) (see NOTES 1 and 3)													
J-	611 474 C91	ATTACHMENT, radiator guard (front cable control unit) (for power shift crawler tractors equipped with radiator ATTACHMENT, 611 470 C91) (*) TD-15BP 21635 to 22000													

NOTE 1 - Factory Application - Order On Machine Order Form.
 NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
 (*) - Attachment no longer available - Service parts will be furnished.

MISCELLANEOUS
(For Crawler Tractors)

LUBRICATOR
(Tank type) (Stewart Warner)
TD-15BP 6001 to 21647
TD-15BC 7260 to 21647
TD-15B(Agr)BGA 7260 to 21647
TD-15BPS 9371 to 21647
TD-15BGF 21281 to 21647

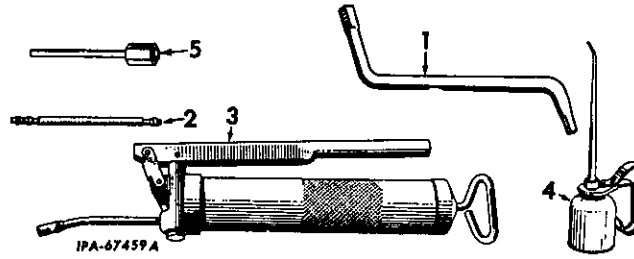


IPA-60879

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	310 533 R91	LUBRICATOR w/ADAPTER, 310 536 R1, HOSE, 53 207 D and TUBE, 310 535 R91 ASSEMBLY, tank type bucket
2	53 207 D	HOSE (3 ft long)
3	310 535 R91	TUBE
4	310 536 R1	ADAPTER

MISCELLANEOUS
(For Crawler Tractors)

TOOLS



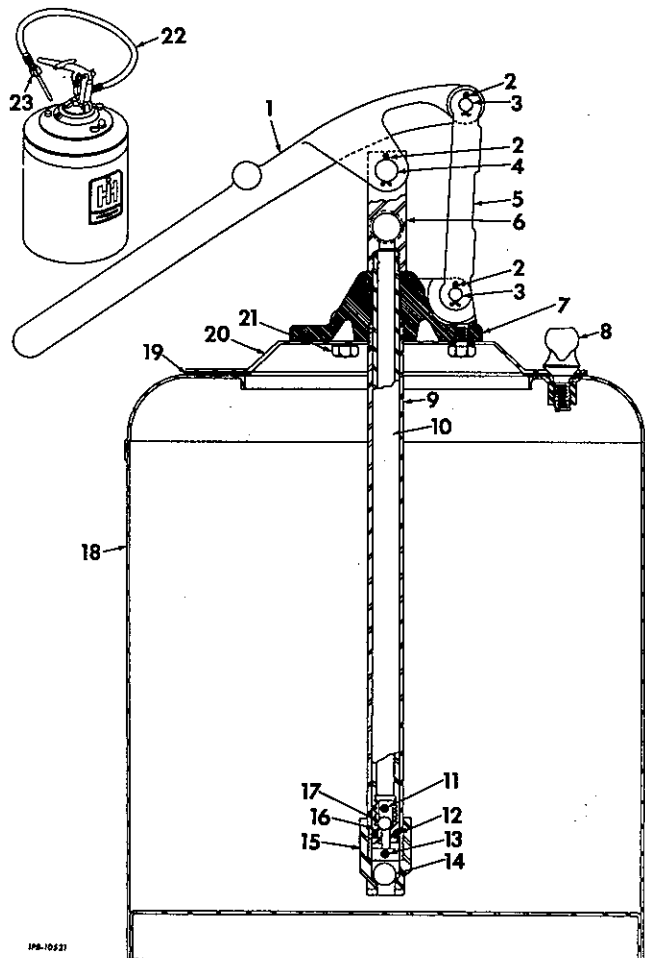
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	304 910 R2	WRENCH, socket plug
2	619 581 C91	EXTENSION, grease gun flexible
3	999 677 R91	GUN, hand type grease (15 oz. size) (Part of ATTACHMENT 999 677 C91)
4	271 406 R91	CAN, pressure oil
5	310 944 R91	NOZZLE, lubricator tank
	999 677 R91	ATTACHMENT, lubricator hand gun (Consists of GUN 999 677 R91) (See NOTES 1 and 3)

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

LUBRICATOR
(Tank Type) (Lincoln Engineering Co.)
TD-15BP 21648 up
TD-15BG 21648 up
TD-15B(Agr)BGA 21648 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BPS 21648 up
TD-15BGF 21648 up
TD-15BGS 21648 up



PA-10521

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	309 015 R91	LUBRICATOR ASSY (consists of the following parts)
1	55 482 D	HANDLE, lever
2		PIN, 3/32 x 1/2" cotter (3)
3	40 638 D	PIN, toggle (2)
4	40 635 D	PIN, handle
5	277 153 R1	TOGGLE
6	53 202 D	OUTLET, pump
7	310 923 R1	BODY, pump

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MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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LUBRICATOR - CONTINUED
(Tank Type) (Lincoln Engineering Co.)
TD-15BP 21648 up
TD-15BG 21648 up
TD-15B(Agr)BGA 21648 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BPS 21648 up
TD-15BGF 21648 up
TD-15BGS 21648 up

8	55 479 D	SCREW, container cover (3)
9	53 206 D	TUBE, pump
10	53 205 D	ROD, piston
11	53 200 D	PIN, piston
12	53 203 D	PACKING, piston
13	53 201 D	PIN, foot valve
14	16 014 R1	BALL, check
15	53 199 D	BODY, foot valve
16	53 198 D	PISTON, plunger
17	39 659 D	BALL, pump check
18	53 209 D	CONTAINER w/GASKET, 278 919 R1 and three SCREW, 55 479 D
19	278 919 R1	GASKET, container cover
20	310 924 R91	COVER, container
21	179 790 115 547	SCREW, 1/4 x 7/16" hex-hd cap (3) 1/4" internal-tooth lock WASHER (3)
22	53 207 D	HOSE, lubricator (3 ft. long)
23	310 944 R91	NOZZLE, lubricator

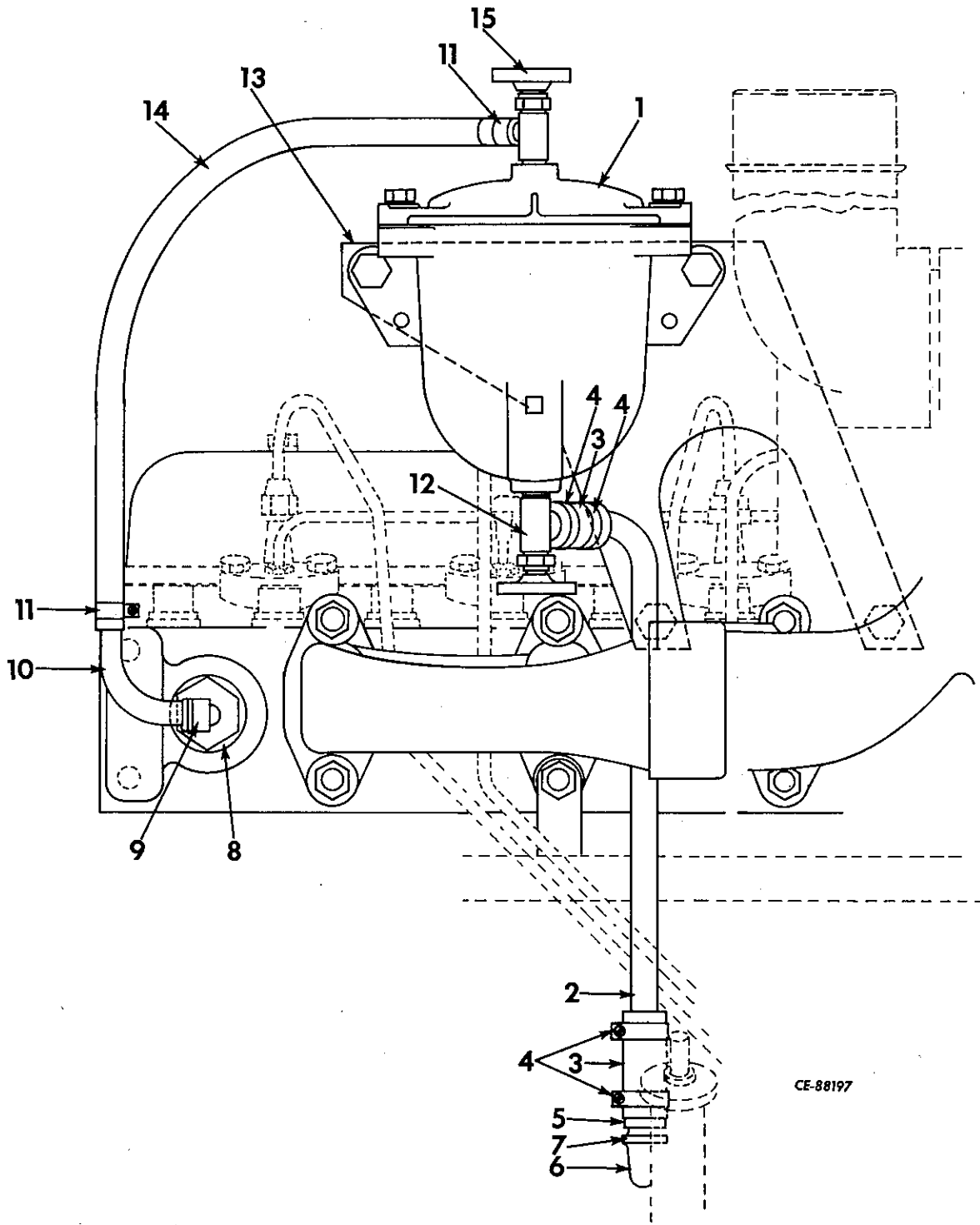
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MISCELLANEOUS
(For Crawler Tractors)

WATER CONDITIONER

MISCELLANEOUS
(For Crawler Tractors)

WATER CONDITIONER - CONTINUED



CE-88197

MISCELLANEOUS
(For Crawler Tractors)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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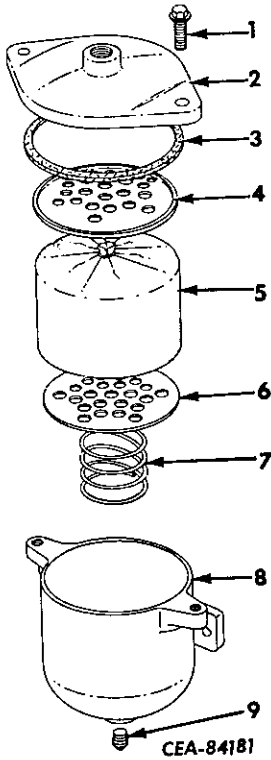
WATER CONDITIONER - CONTINUED

	700 295 C91	ATTACHMENT, water conditioner (See NOTES 1 and 3)
1	428 541 R91	CONDITIONER, water (For components see list of parts under details of "Water Conditioner")
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	102 637	1/2" NUT (2)
2	616 026 C1	TUBE, conditioner inlet
3	279 165 R1	HOSE, engine to conditioner 5/8" ID x 2-3/8" long (2)
4	274 085 R91	CLAMP, engine to conditioner hose (4)
5	171 819 R1	FITTING, engine to conditioner
6	173 001	NIPPLE, engine outlet to conditioner
7	119 097	ELBOW, 3/8 x 90° engine to conditioner
8	21 322 R1	REDUCER, 1-1/4 x 1/4" conditioner outlet elbow to engine
9	137 423	ELBOW, 3/8 x 90° conditioner outlet to engine
10	700 296 C1	TUBE, conditioner outlet
11	279 025 R91	CLAMP, conditioner outlet hose (2)
12	610 789 C91	VALVE, conditioner inlet
13	616 025 C1	BRACKET, water conditioner mounting 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
14	615 359 C1	HOSE, conditioner outlet (3/8" ID x 18" long)
15	321 840 C91	VALVE, conditioner outlet

NOTE 1 - Factory Application - Order On
Machine Order Form.
NOTE 3 - Field Application - Order Through
Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

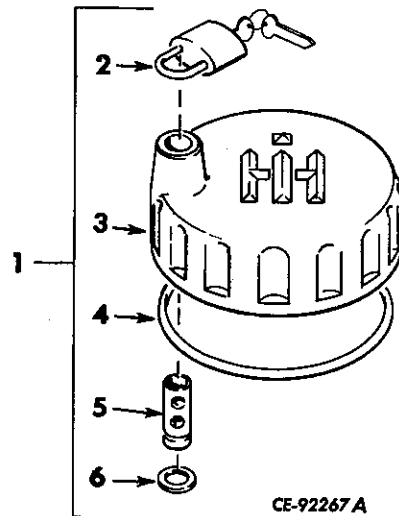
WATER FILTER
(Part of Attachment 700 295 C91)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	428 541 R91	FILTER ASSY, water (Consists of the following parts -
1	313 586 R91	BOLT, w/lock WASHER (2)
2	237 358 R1	COVER, water filter
3	237 361 R1	GASKET, water filter cover
4	237 363 R1	PLATE, upper
5	237 364 R91	ELEMENT, water filter (replacement element for use with plain water or non-permanent type anti-freeze) (5020)
5	266 689 C91	ELEMENT, water filter (replacement element for use with permanent type anti-freeze) (Not Furnished as part of Assy, 428 541 R91) (5020 PAF)
6	237 362 R1	PLATE, lower
7	237 360 R1	SPRING, cartridge support
8		BODY (Not Furnished Separately)
9	444 577	PLUG, drain 1/4"

MISCELLANEOUS
(For Crawler Tractors)

LOCKING CAP

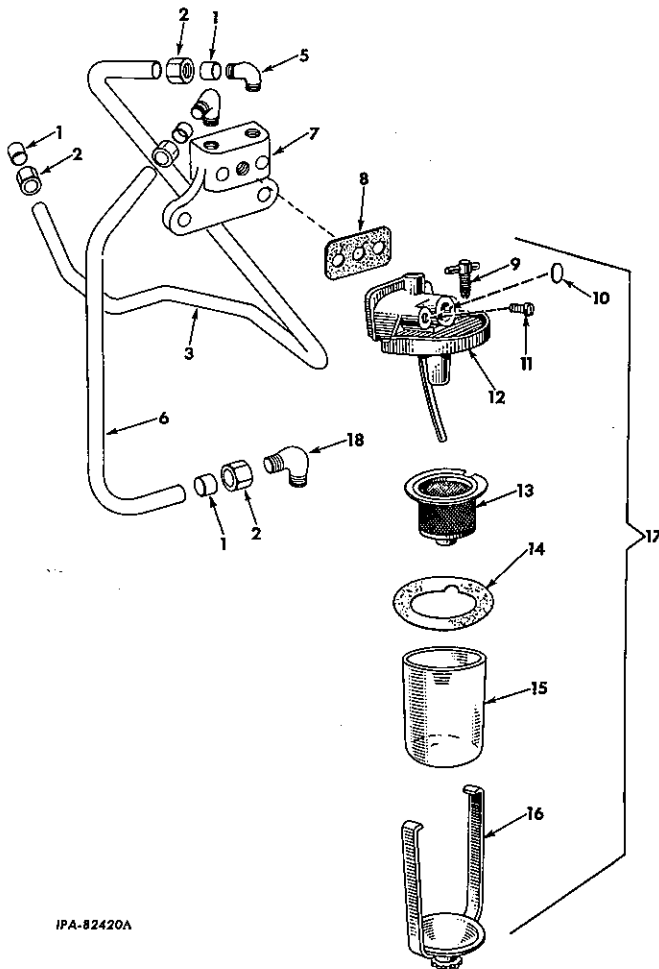


REF. NO.	I. H. PART NUMBER	DESCRIPTION
	701 980 C92	ATTACHMENT, locking cap (used with CAP, 701 922 C1, only) (See NOTE)
1	701 980 C91	CAP, outer locking
2		PADLOCK w/KEYS (not furnished separately)
3		CAP, outer locking (not furnished separately)
4	309 056 R1	RING, retaining (optional with 300 027 R1)
4	300 027 R1	RING, retaining (optional with 309 056 R1)
5		PIN, locking cap (not furnished separately)
6	23 221 R1	RING, retaining

NOTE: Factory or Field Application - Order on Machine Order Form.

MISCELLANEOUS
(For Crawler Tractors)

WATER TRAP
(For Use With Increased Capacity Fuel Filters)



IPA-82420A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	609 724 C91	ATTACHMENT, water trap (†)
1	265 204 R1	SLEEVE, tubing (4)
2	265 205 R1	NUT, tubing sleeve (4)
3	607 185 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply
5	606 845 C1	ELBOW, water trap (2)
6	609 725 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, water trap to primary filter
7	9 311 D	BRACKET, water trap mounting
	102 635	3/8" NUT (2)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16 x 16 ga WASHER (2)

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MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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WATER TRAP - CONTINUED
(For Use With Increased Capacity Fuel Filters)

8	51 527 DC	GASKET, water trap
9	279 173 R1	SCREW, water trap drain
10	24 805 D	PLUG, 3/8" brs expansion (type No. 1)
11	60 871 DA	SCREW, water trap vent
12	251 380 R91	TOP w/drain PIPE and PLUG, 24 805 D, water trap
13	251 348 R91	SCREEN, water trap
14	260 708 R2	GASKET, water trap bowl
15	60 877 D	GLASS, water trap
16	60 878 DX	BAIL w/thumb SCREW, water trap
17	251 355 R91	TRAP ASSY, water
	179 893	1/2 x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER
18	606 618 C1	ELBOW, water trap to filter tube (at primary fuel filter)
	607 193 C1	BRACKET, water trap support
	179 838	3/8 x 7/8" hex-hd cap SCREW (for mounting bracket on crankcase) (2)
	179 842	3/8 x 1-3/8" hex-hd cap SCREW (for mounting bracket on oil filter elbow) (2)
	103 321	3/8" lock WASHER (2)
	384 559 R1	CLIP, generator cable (on oil filter elbow)
	265 066 R1	SLEEVE, 1/2" flex (*)

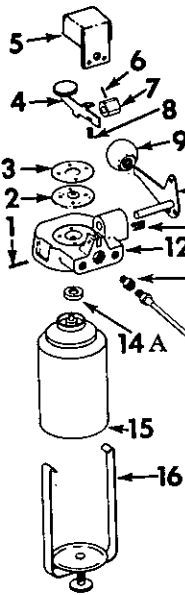
(†) - Attachment No Longer Available, Service Parts Only Will Be Furnished.

(*) - TD-15BP 6001 to 9622
TD-15BG 7260 to 9622
TD-15B(Agr)BGA 7260 to 9622
TD-15BPS 9371 to 9622

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MISCELLANEOUS
(For Crawler Tractors)

AIR SHUT-OFF AND ETHER INJECTOR

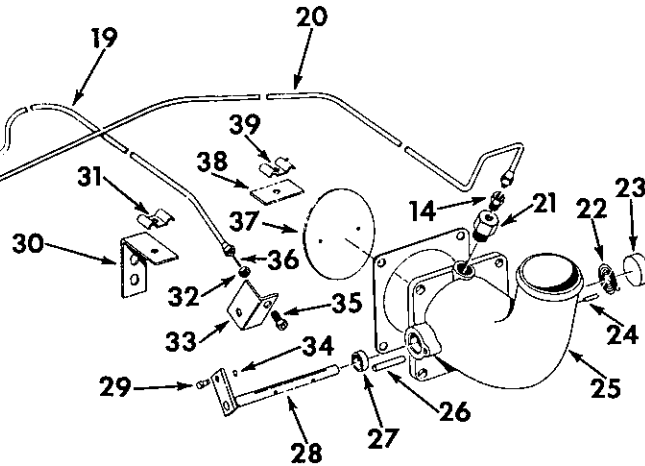


CEA-86309

REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all air shut-off and ether injectors listed below. Letters A, B and C are used to identify separate air shut-off and ether injectors.
A	337 729 R91	ATTACHMENT, air shut-off and ether injector (for units equipped with Airesearch Turbochargers) (See NOTE 3)
B	612 722 C91	ATTACHMENT, ether injector (for units equipped with Solar turbocharger, or Schwitzer turbochargers TD-15BP 22975 and below, TD-15BG 22975 and below) (See NOTE 3)
C	628 061 C91	ATTACHMENT, ether injection (for units equipped with Schwitzer turbocharger TD-15BP 22976 up, TD-15BG 22976 up) and TB-15B (Custom) BGA 25001 up (See NOTES 1 and 3)
1	17 132 R1	PIN, injector lever roll
2	309 973 R91	DIAPHRAGM
3	309 978 R1	RETAINER, diaphragm No. 6 x 3/8" pan-hd SCREW (4)
4	315 240 R11	LEVER, injector body
5	315 239 R1	SHIELD, injector
6	17 283 R1	PIN, 3/32 x 5/8" roll (ATTACHMENT A)
7	299 991 R1	CAM, injector prohibitor (ATTACHMENT A)
8	299 986 R1	SPRING, injector lever return
9	307 839 R1	BALL, air control lever (ATTACHMENT A)
10	299 989 R11	LEVER, air control (ATTACHMENT A)
11	299 988 R1	SPRING, detent (ATTACHMENT A)
12	299 979 R1	BODY, injector
13	36 521 D	CONNECTOR, tube (ATTACHMENT A)
13	322 292 C1	CONNECTOR, tube (ATTACHMENT B)
13	32 468 H	ELBOW, pressure tube (at injector) (ATTACHMENT C)
14	36 521 D	CONNECTOR, tube (ATTACHMENT A)
14	322 296 C1	ELBOW, pressure tube (ATTACHMENT B)
14	32 468 H	ELBOW, pressure tube (at nozzle) (ATTACHMENT C)
14A	331 785 R1	GASKET, injector body
15		FLUID, ether starting (not furnished as part of attachment) (order Part No. 1213 from Precision Specialties Division, 199 East 2nd St., Mineola, N. Y. 11501)

MISCELLANEOUS
(For Crawler Tractors)

AIR SHUT-OFF AND ETHER INJECTOR - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
16	60 878 DX	BAIL, starting fluid container
17	334 032 R11	MOUNT, air shut-off control (at dash) (ATTACHMENT A)
18	114 494	NUT, 3/8NF jam (ATTACHMENT A)
19	337 731 R11	TUBE w/two NUT, 144 307, air shut-off control (ATTACHMENT A)
	144 307	NUT, coupling (2)
20	337 730 R1	TUBE, pressure (ATTACHMENT A)
20	612 795 C11	TUBE w/two NUT, 681 180 R1 and two SLEEVE 144 256 H1, pressure (ATTACHMENT B)
	681 180 R1	NUT (2)
	144 256 H1	SLEEVE (2)
20	628 061 C1	TUBE, ether injector (ATTACHMENT C)
	25 038 H	NUT, ether tube
21	269 635 R91	NOZZLE, ether injection
22	323 986 R1	SPRING, air shut-off (ATTACHMENT A)
23	151 162 R1	PLUG, cup (ATTACHMENT A)
24	17 172 R1	PIN, 1/8 x 7/16" roll (ATTACHMENT A)
25	337 089 R1	ELBOW, air shut-off (ATTACHMENT A)
26	17 053 R1	PIN, 1/4 x 1-3/8" roll (ATTACHMENT A)
27	336 687 R91	SEAL, air shut-off shaft (ATTACHMENT A)
		NOTE 1 - Factory Application - Order On Machine Order Form.
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

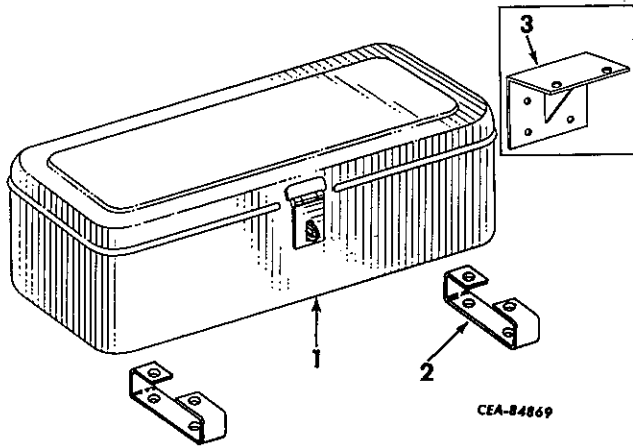
REF. NO.	I. H. PART NUMBER	DESCRIPTION
AIR SHUT-OFF AND ETHER INJECTOR - CONTINUED		
28	316 094 R11 446 869	SHAFT, air shut-off (ATTACHMENT A) No. 8 x 7/16" slt-rd-hd mach SCREW w/lock WASHER (2)
29	64 283 DBX	SWIVEL w/RETAINER, 363 881 R1, lever (2) (ATTACHMENT A) No. 8 x 3/16" fl-hd SCREW (2)
30	330 915 R1 179 837 103 321 103 341	BRACKET, cable and pressure tube 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga WASHER (2)
31	327 709 R1 262 038 R1 179 795	CLIP, cable and pressure tube (ATTACHMENT A) NUT, speed 1/4 x 3/4" hex-hd cap SCREW
31	101 977 R1 179 793 262 038 R1	CLIP, pressure tube (ATTACHMENT B and C) 1/4 x 5/8" hex-hd cap SCREW 1/4" speed NUT
32	114 494	NUT, 3/8NF jam (ATTACHMENT A)
33	337 733 R1	BRACKET, air shut-off tube mounting (on upper front bolt of air intake elbow) (ATTACHMENT A)
34	363 881 R1	RETAINER, swivel (2) (ATTACHMENT A)
35	315 244 R11	MOUNT, air shut-off control (at engine) (ATTACHMENT A)
36	337 732 R1	CABLE, air shut-off control (ATTACH- MENT A)
37	299 995 R1	BUTTERFLY, air control (ATTACHMENT A)
38	269 986 R1	FELT, clip (3) (ATTACHMENT A)
39	327 709 R1 262 038 R1 179 795	CLIP, connector cable (2) (ATTACHMENT A) NUT, speed 1/4 x 3/4" hex-hd cap SCREW
	334 035 R1	GASKET, air intake elbow (ATTACHMENT A)
	299 978 R91	INJECTOR ASSEMBLY, air shut-off and ether (ATTACHMENT A) (Composed of - 1 BALL 307 839 R1 1 BODY 299 979 R1 1 CAM 299 991 R1 1 DIAPHRAGM 309 973 R91 1 GASKET 331 785 R1 1 LEVER 299 989 R11 1 LEVER 315 240 R11 1 PIN 17 132 R1 1 PIN 17 283 R1 1 RETAINER 309 978 R1 1 SPRING 299 986 R1 1 SPRING 299 988 R1)
	179 838 103 321	3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
	612 798 C91	INJECTOR ASSEMBLY, ether (ATTACH- MENT B AND C) (Composed of - 1 BODY 299 979 R1 1 DIAPHRAGM 309 973 R91 1 GASKET 331 785 R1 1 LEVER 315 240 R11 1 PIN 17 132 R1 1 RETAINER 309 978 R1 1 SPRING 299 986 R1)
	179 838 103 321	3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER
	315 236 R1	PLATE, ether starting instruction (mount on dash) (For units painted IH yellow) (ATTACHMENT A)

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
AIR SHUT-OFF AND ETHER INJECTOR - CONTINUED		
	2 752 051 R1	PLATE, ether starting instruction (mounted on dash) (For units painted red) (ATTACH- MENT A)
	2 753 630 R1	PLATE, ether starting instruction (mount on dash) (For units painted IH yellow) (ATTACHMENT B)
	2 753 631 R1	PLATE, ether starting instruction (mount on dash) (For units painted IH red) (ATTACHMENT B)
	101 977 R1	CLIP, ether tube (on Air Cleaner Mounting Bracket) (ATTACHMENT C)
	179 801 103 319	1/4 x 1-1/2" hex-hd cap SCREW 1/4" lock WASHER
	103 878	PLUG, 1/4" sq-hd pipe (2) (ATTACHMENT A)
	337 088 R91	VALVE ASSEMBLY, air shut-off (ATTACH- MENT A) (Composed of - 1 BUTTERFLY 299 995 R1 1 ELBOW 337 089 R1 1 PIN 17 053 R1 1 PIN 17 172 R1 2 PLUG 103 878 1 PLUG 151 162 R1 1 SEAL 336 687 R1 1 SHAFT 316 094 R11 1 SPRING 323 986 R1)

MISCELLANEOUS
(For Crawler Tractors)

TOOL BOX AND PADLOCK WITH KEYS



REF. NO.	I.H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicate the part is used for all tool boxes and Padlocks listed below. Letters A, B, C, D, E, F, G and H are used to identify separate tool boxes.		
A-	330 880 R91	ATTACHMENT, tool box (13") (For Manual Shift or Agr. Crawler Tractors) (Order: ATTACHMENT, 609 781 C91, for tractors not equipped with hydraulic controls; ATTACHMENT, 609 783 C91, for tractors equipped with hydraulic controls or ATTACHMENT, 609 785 C91, for tractors equipped with cable operated blade equipment and hydraulic tilt Attachment)
B-	334 764 R91	ATTACHMENT, tool box (13") (For Power Shift Crawler Tractors) (Order: ATTACHMENT, 609 781 C91, for tractors not equipped with hydraulic controls; ATTACHMENT, 609 783 C91, for tractors equipped with hydraulic controls or ATTACHMENT, 609 785 C91, for tractors equipped with cable operated blade equipment and hydraulic tilt Attachment)
C-	609 781 C91	ATTACHMENT, tool box (21") (For use on tractors not equipped with 1540 hydraulic control unit) (will work for ATTACHMENTS, 330 880 R91 and 334 764 R91) (Not for backfiller tractors) (See NOTES 1 and 3)
D-	609 783 C91	ATTACHMENT, tool box (21") (For use on tractors equipped with 1540 hydraulic control unit) (Will work for ATTACHMENTS, 330 880 R91 and 334 764 R91) (Not used for sideboom or backfiller tractors) (See NOTE 3)
E-	609 785 C91	ATTACHMENT, tool box (21") (For use on tractors equipped with cable operated blade equipment and hydraulic tilt attachment) (Not used on Agr. or Sideboom Crawler Tractors) (Will work for ATTACHMENTS, 330 880 R91 and 334 764 R91) (See NOTES 1 and 3)
F-		Service parts for tool box (21") (For use on tractors equipped with Carco winch)

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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TOOL BOX AND PADLOCK WITH KEYS - CONTINUED

G-	609 790 C91	ATTACHMENT, tool box (21") (For use on tractors equipped with 1540 hydraulic control unit) (See NOTE 3) TD-15BP 6001 to 8230 TD-15BG 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230
H-	650 382 C91	ATTACHMENT, padlock w/keys (consists of padlock w/keys) (See NOTES 1 and 3)
1	327 441 R92	BOX, tool (13") (for tractors not equipped with hydraulic controls, order tool BOX, 325 479 R91 and rework DRAWING, IZG-7793; for tractors equipped with hydraulic controls, order ATTACHMENT, 609 783 C91; for tractors equipped with cable operated blade equipment and hydraulic tilt, order BOX, 325 479 R91, tool box installation DRAWING, IZG-7795 and two BRACKET, 609 784 C1) (Attachment A and B) 102 635 3/8" NUT (4) 179 837 3/8 x 3/4" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4) 103 341 13/32 x 13/16" x 16 ga WASHER (4)
1	325 479 R91	BOX, tool (21") (Attachments, C, D, E, F and G) 102 635 3/8" NUT (4 for Attachments C and E) (2 for Attachments F and G) 179 838 3/8 x 7/8" hex-hd cap SCREW (4 for Attachment C) (2 for Attachments F and G) 179 837 3/8 x 3/4" hex-hd cap SCREW (4 for Attachment D) (2 for Attachments F and G) 179 839 3/8 x 1" hex-hd cap SCREW (4 for Attachment E) 103 341 13/32 x 13/16" x 16 ga WASHER (4 for Attachments C, D and E) (6 for Attachments F and G) 103 321 3/8" lock WASHER (4)
2	334 763 R1	BRACKET, tool box support (2 for Attachment B) 102 635 3/8" NUT (4) 179 839 3/8 x 1" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4)
2	609 784 C1	BRACKET, tool box support (2 for Attachment E) 102 635 3/8" NUT (4) 179 839 3/8 x 1" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4)
3	609 776 C11	BRACKET, tool box support (Attachment F and G) 102 635 3/8" NUT (4) 179 838 3/8 x 7/8" hex-hd cap SCREW (4) 103 321 3/8" lock WASHER (4)
		BLOCK, tapping (Not Furnished Separately) (4 for Attachment D) (2 for Attachment G)
	IZG-7793	DRAWING, fender rework (Attachment C)
	IZG-7794	DRAWING, valve mounting plate rework (Attachment D)
	IZG-7795	DRAWING, tool box installation and fender rework (Attachment E)

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MEMORANDA

MEMORANDA

MISCELLANEOUS
(For Crawler Tractors)

TRACK ROLLER AND SPROCKET SHIELD

(For Manual Shift, Power Shift Crawler Tractors)

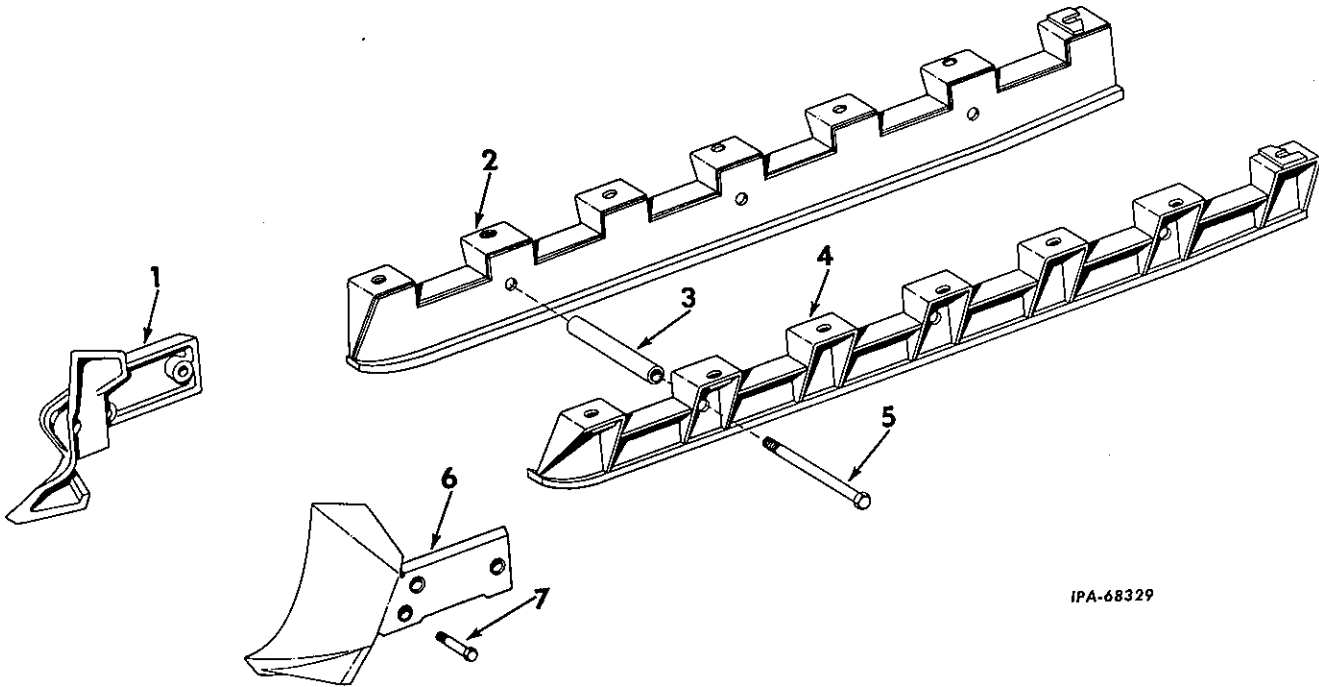
- TD-15BP 6001 to 25000
- TD-15BG 7260 to 25000
- TD-15B(Agr)BGA 7260 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 9371 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up

MISCELLANEOUS
(For Crawler Tractors)

TRACK ROLLER AND SPROCKET SHIELD - CONTINUED

(For Manual Shift, Power Shift Crawler Tractors)

- TD-15BP 6001 to 25000
- TD-15BG 7260 to 25000
- TD-15B(Agr)BGA 7260 to 25000
- TD-15B(Custom)BGA 25001 up
- TD-15BPS 9371 up
- TD-15BGF 21281 up
- TD-15BGS 21676 up



IPA-68329

REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all ATTACHMENTS listed below: Letters A and B are used to identify separate ATTACHMENTS.
A	334 596 R92	ATTACHMENT, track roller and sprocket shield (Not for machines equipped with severe service suspension ATTACHMENT) (See NOTES-1 and 3)
B	624 508 C91	ATTACHMENT, track roller and sprocket (For machines equipped with severe service suspension ATTACHMENT) (See NOTE 3) TD-15BP 20399 up TD-15BG 20399 up
1	334 229 R1	DEFLECTOR, LH outer and RH inner sprocket rock (2)
2	325 304 R1	SHIELD, LH outer and RH inner track roller (ATTACHMENT A) (2) TD-15BP 6001 to 23026 (2) TD-15BG 7260 to 23026 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 23026 (2) TD-15BGF 21281 to 23026 (2) TD-15BGS 21676 to 23026 (Order the following parts - 7 BOLT 22 847 R1 1 DRAWING ISK 50570 7 NUT, 3/4" 220 081 14 SCREW, 3/4 x 1-3/4" hex-hd cap 271 609

REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	325 304 R1	SHIELD, LH outer and RH inner track roller (ATTACHMENT A) - Continued (Order the following parts - Continued 1 SHIELD 616 452 C1 7 SPACER 616 462 C1 28 WASHER 394 220) 271 607 3/4 x 1-1/2" hex-hd cap SCREW (12) 271 609 3/4 x 1-3/4" hex-hd cap SCREW (2) 62 177 V WASHER, track roller shield (14)
2	616 452 C1	SHIELD, LH outer and RH inner track roller (ATTACHMENT A) (2) TD-15BP 23027 up (2) TD-15BG 23027 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 23027 up (2) TD-15BGF 23027 up (2) TD-15BGS 23027 up 271 609 3/4 x 1-3/4" hex-hd cap SCREW (14) 39 422 D WASHER, flat (14)
2	655 012 C1	SHIELD, LH outer and RH inner track roller (ATTACHMENT B) (2) 271 609 3/4 x 1-3/4" hex-hd cap SCREW (14) 39 422 D WASHER, flat (14)
3	616 462 C1	SPACER, track roller shield (6)
		NOTE 1 - Factory Application - Order On Machine Order Form. NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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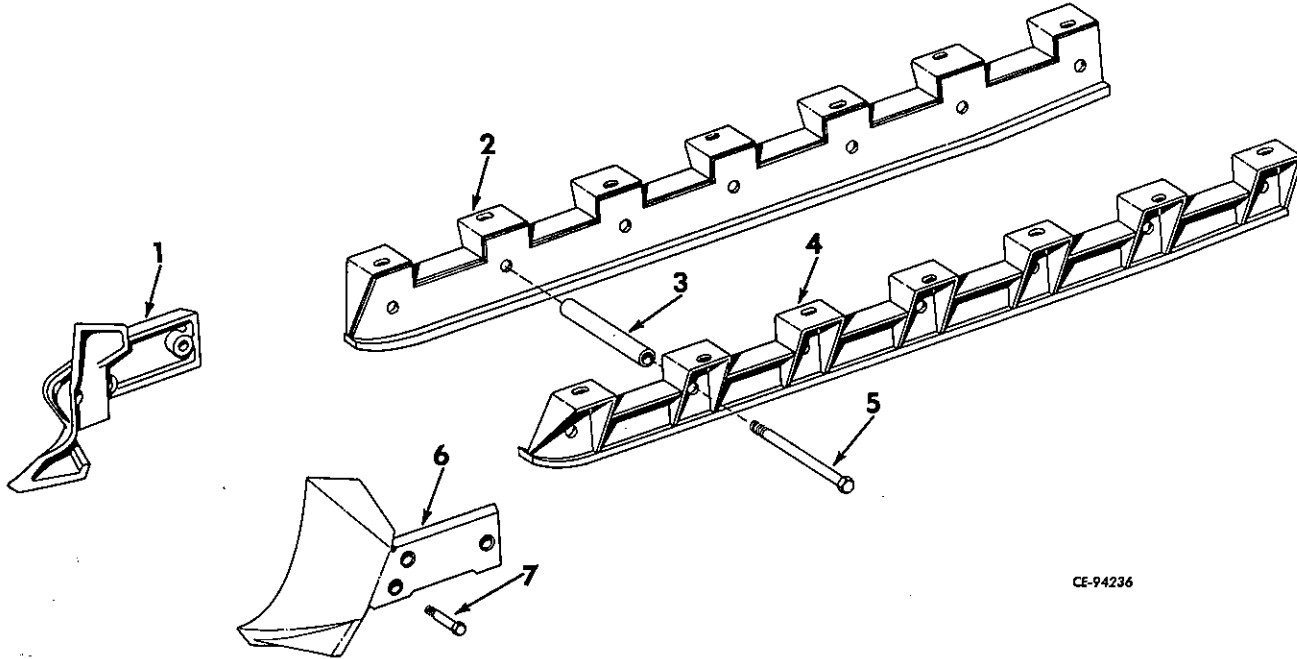
TRACK ROLLER AND SPROCKET SHIELD - CONTINUED
(For Manual Shift, Power Shift Crawler Tractors)

TD-15BP 6001 to 25000
TD-15BG 7260 to 25000
TD-15B(Agr)BGA 7260 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BPS 9371 up
TD-15BGF 21281 up
TD-15BGS 21676 up

4	325 305 R1	SHIELD, RH outer and LH inner track roller (ATTACHMENT A) (2) TD-15BP 6001 to 23026 (2) TD-15BG 7260 to 23026 (2) TD-15B(Agr)BGA 7260 to 25000 (2) TD-15BPS 9371 to 23026 (2) TD-15BGF 21281 to 23026 (2) TD-15BGS 21676 to 23026 (Order the following parts - 1 DRAWING ISK 50570 7 NUT, 3/4" 220 081 14 SCREW, 3/4 x 1-3/4" hex-hd cap 271 609 7 SCREW 22 847 R1 1 SHIELD 616 453 C1 7 SPACER 616 462 C1 28 WASHER 39 422 D) 271 607 3/4 x 1-1/2" hex-hd cap SCREW (12) 271 609 3/4 x 1-3/4" hex-hd cap SCREW (2) 62 177 V WASHER, track roller shield (14)
4	616 453 C1	SHIELD, RH outer and LH inner track roller (ATTACHMENT A) (2) TD-15BP 23027 up (2) TD-15BG 23027 up (2) TD-15B(Custom)BGA 25001 up (2) TD-15BPS 23027 up (2) TD-15BGF 23027 up (2) TD-15BGS 23027 up 271 609 3/4 x 1-3/4" hex-hd cap SCREW (14) 39 422 D WASHER, flat (14)
4	655 013 C1	SHIELD, RH outer and LH inner track roller (ATTACHMENT B) (2) 271 609 3/4 x 1-3/4" hex-hd cap SCREW (14) 39 422 D WASHER, flat (14)
5	281 463 R1	BOLT, track roller shield (6) TD-15BP 6001 to 23026 (6) TD-15BG 7260 to 23026 (6) TD-15B(Agr)BGA 7260 to 25000 (6) TD-15BPS 9371 to 23026 (6) TD-15BGF 21281 to 23026 (6) TD-15BGS 21676 to 23026 (Order the following parts - 1 BOLT 22 847 R1 1 NUT, 3/4" 220 081 1 SPACER 616 462 C1 2 WASHER 39 422 D) 220 081 3/4" NUT (6) 13/16 x 1-1/2" x 10 ga WASHER (6)
5	22 847 R1	BOLT, 3/8 x 12" type 4 track roller shield (14) TD-15BP 23027 up (14) TD-15BG 23027 up (14) TD-15B(Custom) 25001 up (14) TD-15BPS 23027 up (14) TD-15BGF 23027 up (14) TD-15BGS 23027 up 220 081 3/4" NUT (14) 39 422 D WASHER, flat (28)
6	334 230 R1	DEFLECTOR, RH outer and LH inner sprocket rock (2)
7	336 650 R1	BOLT, sprocket shield (12)

MISCELLANEOUS
(For Crawler Tractors)

TRACK ROLLER AND SPROCKET SHIELD
(For Manual Shift, Power Shift Crawler Tractors)
TD-15BP 25001 up
TD-15BG 25001 up



CE-94236

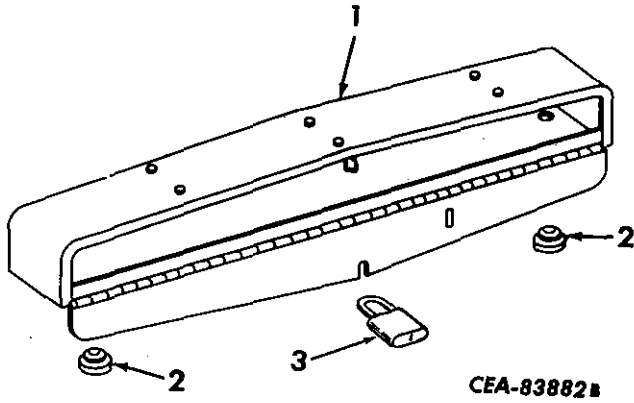
REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all ATTACHMENTS listed below: Letters A and B are used to identify separate ATTACHMENTS.
A	620 197 C91	ATTACHMENT, track roller and sprocket shield (Cannot be used on machines equipped with severe service suspension ATTACHMENT) (See NOTES 1 and 3)
B	624 863 C91	ATTACHMENT, track roller and sprocket shield (For machines equipped with severe service suspension ATTACHMENT) (See NOTES 1 and 3)
1	334 229 R1	DEFLECTOR, LH outer and RH inner sprocket rock (2)
2	620 195 C1	SHIELD, LH outer and RH inner track roller (ATTACHMENT A) (2)
	271 609	3/4 x 1-3/4" hex-hd cap SCREW (14)
	39 422 D	WASHER, track roller shield (14)
2	624 864 C1	SHIELD, LH outer, RH inner track roller (ATTACHMENT B) (2)
	271 607	3/4 x 1-1/2" hex-hd cap SCREW (14)
	39 422 D	WASHER, flat (14)
3	616 462 C1	SPACER, track roller shield (14)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	620 196 C1	SHIELD, RH outer and LH inner track roller (ATTACHMENT A) (2)
	271 609	3/4 x 1-3/4" hex-hd cap SCREW (14)
	39 422 D	WASHER, track roller shield (14)
5	22 847 R1	BOLT, 3/4 x 12" (Type 4) track roller shield (14)
	220 081	3/4" NUT (14)
	39 422 D	WASHER, track roller shield (28)
5	624 865 C1	SHIELD, RH outer and LH inner track roller (ATTACHMENT B) (2)
	271 607	3/4 x 1-1/2" hex-hd cap SCREW (14)
	39 422 D	WASHER, flat (14)
6	334 230 R1	DEFLECTOR, RH outer and LH inner sprocket rock (2)
7	336 650 R1	BOLT, sprocket shield (12)

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

INSTRUMENT PANEL GUARD



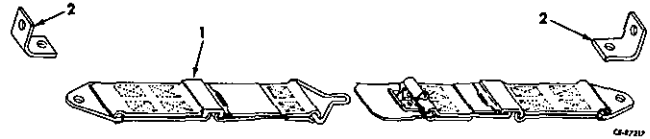
REF. NO.	I.H. PART NUMBER	DESCRIPTION
	607 775 C92	ATTACHMENT, instrument panel guard (see NOTES 1 and 3)
1	607 776 C91	GUARD w/two BUMPER. 607 785 C1, instrument
	103 024	1/4NF NUT (4)
	607 786 C1	STUD, instrument guard mounting (4)
	16 559 R1	WASHER, (4)
		1/4" lock WASHER (8)
2	607 785 C1	BUMPER, instrument guard cover (2)
3	650 382 C91	PADLOCK w/KEYS

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 2 - Field Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

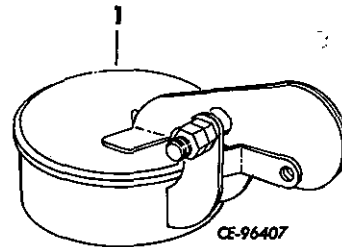
SAFETY SEAT BELT

TD-15BP 8230 up
TD-15BG 8230 up
TD-15B(Agr)BGA 8230 to 25000
TD-15B(Custom)BGA 25001 up
TD-15BPS 9371 up
TD-15BCGF 21281 up
TD-15BGS 21676 up



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	703 107 C91	ATTACHMENT, safety seat belt (Consists of BELT, 702 248 C1 and two BRACKET, 616 166 C1 and installation PAMPHLET, 1 085 320 R1) (See NOTES 1 and 3)
1	702 248 C1	BELT, seat
	102 637	1/2" NUT (2)
	179 881	1/2 x 1" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
2	616 166 C1	BRACKET, seat belt hold down (2)
	179 861	7/16 x 1-1/8" hex-hd cap SCREW (2)

LOCKABLE EXHAUST RAIN CAP

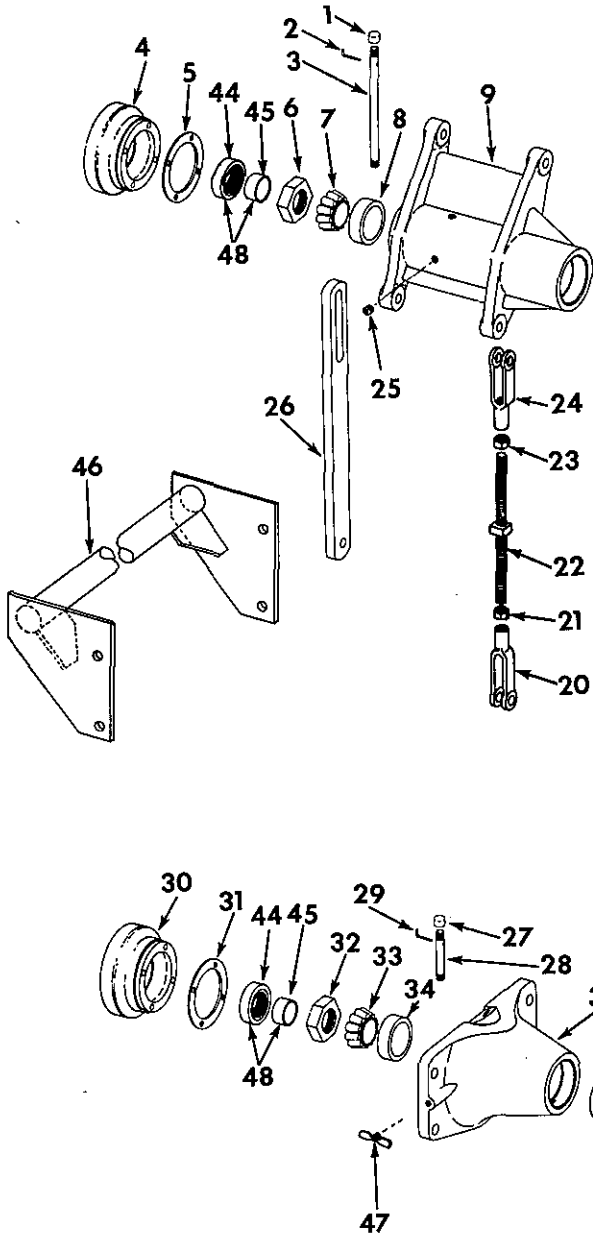


REF. NO.	I.H. PART NUMBER	DESCRIPTION
	628 166 C91	ATTACHMENT, lockable exhaust rain cap (See NOTES 1 and 2) (Consists of the following parts -
1	650 429 C91	CAP, lockable exhaust rain

NOTE 1 - Factory Application - Order on Machine Order Form
NOTE 2 - Field Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

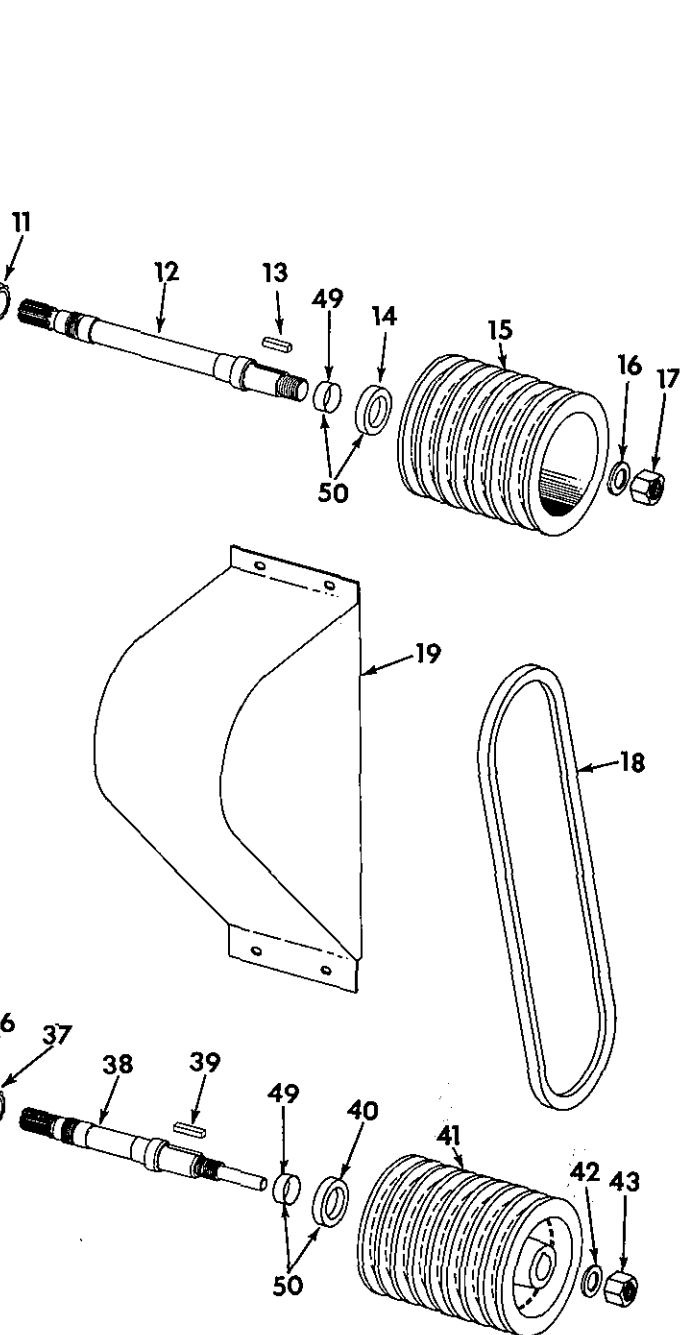
FRONT DRIVE
(For use with Bucket Backfiller Tractors)



CE-97449

MISCELLANEOUS
(For Crawler Tractors)

FRONT DRIVE - CONTINUED
(For use with Bucket Backfiller Tractors)



MISCELLANEOUS
(For Crawler Tractors)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT DRIVE - CONTINUED (For Backfiller Tractors)		
1	119 101	CAP, filler pipe
2		WIRE, locking (16 ga x 2-1/2" long) oil filler pipe (order 278 027 R1)
3	322 437 R1	PIPE, oil filler
4	322 435 R1 179 847 103 321	CAP, bearing retainer 3/8 x 2" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
5	322 432 R1	GASKET, bearing retainer cap
6	254 487 R1	NUT, bearing retainer
7	321 547 R91	CONE, generator drive shaft rear bearing
8	ST 970	CUP, generator drive shaft rear housing
9	322 434 R1	HOUSING, generator drive
10	ST 863	CUP, generator drive shaft front bearing
11	ST 2 122	CONE, generator drive shaft front bearing
12	345 664 R11	SHAFT, generator drive w/SLEEVE, 299 492 R1, SLEEVE 347 381 R1 and PAMPHLET, 1 014 753 R7
13	Q 56	KEY, generator drive pulley
14		SEAL, generator drive shaft front (order PACKAGE, 345 665 R91)
15	616 003 C1	PULLEY, generator drive
16	172 807	WASHER, 1-9/16" flat
17	218 409	NUT, 1-1/2NF
18	700 187 C91	BELT, generator drive (matched set of seven)
19	700 188 C1 179 879 103 323 103 343	COVER, RH pulley 1/2 x 3/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4) 17/32" WASHER (4)
20	19 666 R1	CLEVIS, turnbuckle (LH thread)
21	19 664 R1	NUT, 3/4NF LH thread
22	314 215 R11 311 191 R1 103 375	ROD, turnbuckle PIN, 3/4" rod end clevis (2) 3/32 x 1-1/4" cotter PIN (2)
23	218 197	NUT, 3/4NF
24	144 247	CLEVIS, turnbuckle
25	445 751	PLUG, 1/2" pipe (3)
26	320 525 R1 273 698 R1 218 197 114 610	BAR, generator drive housing support BOLT, 3/4NF x 1-5/16" dowel (4) 3/4" NF NUT (4) 3/4" external-tooth lock WASHER (4)
27	119 101	CAP, filler pipe
28	322 433 R1	PIPE, oil filler
29		WIRE, locking (16 ga. x 2-1/2" long) oil filler pipe (order 278 027 R1)
30	322 431 R1 179 847 103 321	CAP, bearing retainer 3/8 x 2" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
31	322 432 R1	GASKET, bearing retainer cap
32	254 487 R1	NUT, bearing
33	321 547 R91	CONE, main drive shaft rear bearing
34	ST 970	CUP, main drive shaft rear bearing
35	322 430 R1	HOUSING, main drive
36	ST 863	CUP, main drive shaft front bearing
37	ST 2 122	CONE, main drive shaft front bearing
38	345 662 R11	SHAFT, main drive w/SLEEVE, 299 492 R1, SLEEVE 347 381 R1 and PAMPHLET 1 014 753 R7
39	Q 56	KEY, main drive pulley
40		SEAL, main drive shaft front (order PACKAGE 345 665 R91)

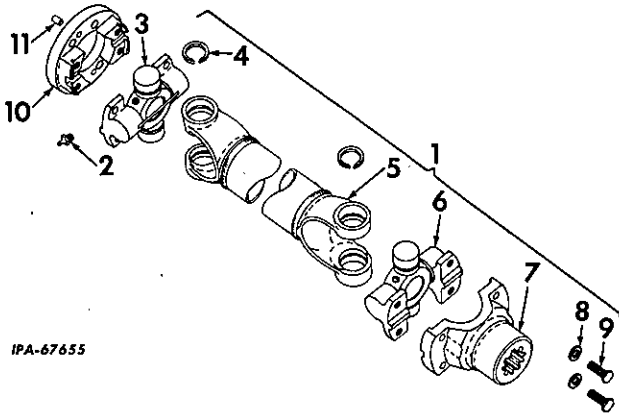
MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FRONT DRIVE - CONTINUED (For Backfiller Tractors)		
41	314 739 R1	PULLEY, main drive
42		WASHER, 1-9/16" main drive pulley retainer nut
43	220 091	NUT, 1-1/2" main drive pulley retainer
44		OIL SEAL, rear mainshaft (order PACKAGE, 322 429 R92) (2)
45	299 492 R1	SLEEVE, main drive shaft wear (2)
46	700 184 C1 271 557 102 639	ROD, stabilizer 5/8 x 1-3/8" hex-hd cap SCREW (4) 5/8" NUT (4)
47	134 519	VALVE, oil level drain
48	322 429 R91	PACKAGE, rear oil seal and wear SLEEVE 299 492 R1 and PAMPHLET 1 014 753 R7 field service
49	347 381 R1	SLEEVE, main drive shaft wear (2)
50	345 665 R91	PACKAGE w/SEAL, SLEEVE, 347 381 R1 and PAMPHLET 1 014 735 R7, front oil seal
	273 698 R1	BOLT, 3/4NF x 2-5/16" dowel
	137 894	ELBOW, 1/2" street
	278 027 R1	WIRE, locking bulk (16 ga.) (customer must specify length required) (X)

(X) - As Required.

MISCELLANEOUS
(For Crawler Tractors)

ADAPTER UNIT
(Mechanics) (For Backfiller Tractors)

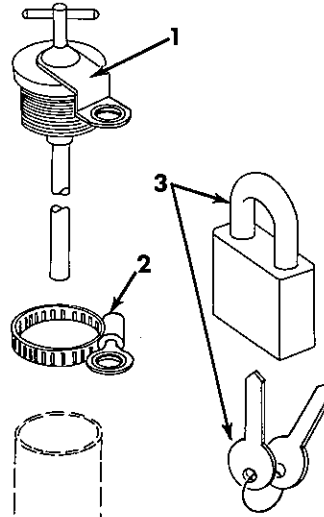


IPA-67655

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	333 865 R91	SHAFT w/"U" JOINT ASSEMBLY, power take-off
	181 377	3/8NF x 1-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
2	110 146 R91	FITTING, lubrication (Alemite 1792 B) (optional with 102 467 H) (2)
2	102 467 H	FITTING, lubrication (Lincoln 5042) (optional with 110 146 R91) (2)
3	317 721 R92	SPIDER w/BEARING
4	97 710 H	RING, snap (4)
5	338 871 R91	TUBE
6	317 722 R91	SPIDER w/BEARING
7	317 708 R1	YOKE, fitting
8	110 730	WASHER, 3/8" light lock (4)
9	37 479 HA	BOLT, 3/8NF x 7/8" (4)
10	333 325 R1	FLANGE, adapter
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
11	269 292 R1	DOWEL, adapter (2)
	305 109 R91	RETAINER and SEAL (8)
	37 335 H	SHIELD, dust (8)

MISCELLANEOUS
(For Crawler Tractors)

ENGINE OIL LEVEL DIPSTICK LOCK
(For Crawler Tractors Equipped w/DT-407 Engines)



CE-94036 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	628 011 C91	ATTACHMENT, engine oil level dipstick lock (See NOTES 1 and 3) (Consists of the following parts -
1	673 057 C91	DIPSTICK, engine oil level
2	623 761 C1	CLAMP, lock
3	650 382 C91	PADLOCK w/KEYS

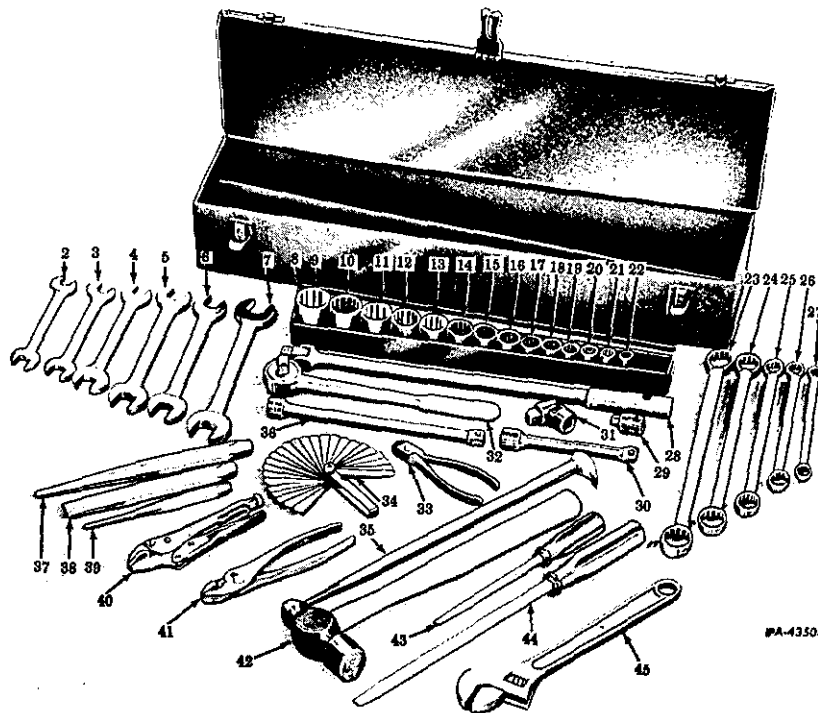
NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

MISCELLANEOUS
(For Crawler Tractors)

TOOL SET
(Owatonna Tool Co.)

TOOL SET - CONTINUED
(Owatonna Tool Co.)



WA-43503

REF. NO.	OWATONNA TOOL CO. NUMBER	DESCRIPTION
		TOOL SET (consists of forty-three tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of Catalog) (IH Part Number 276 821 R91) (See NOTE)
1	H-391	BOX, tool
2	E-1416	WRENCH, end (7/16 x 1/2")
3	E-1820	WRENCH, end (9/16 x 5/8")
4	E-2022	WRENCH, end (5/8 x 11/16")
5	E-2426	WRENCH, end (3/4 x 13/16")
6	E-2628	WRENCH, end (13/16 x 7/8")
7	E-3032	WRENCH, end (15/16 x 1")
8	195	TRAY
9	140	SOCKET (1-1/4")
10	138	SOCKET (1-3/16")
11	136	SOCKET (1-1/8")
12	134	SOCKET (1-1/16")
13	132	SOCKET (1")
14	130	SOCKET (15/16")
15	128	SOCKET (7/8")
16	126	SOCKET (13/16")
17	124	SOCKET (3/4")
18	122	SOCKET (11/16")
19	120	SOCKET (5/8")
20	118	SOCKET (9/16")
21	116	SOCKET (1/2")
22	114	SOCKET (7/16")
23	B-3032	WRENCH, box (15/16 x 1")
24	B-2628	WRENCH, box (13/16 x 3/4")
25	B-2024	WRENCH, box (5/8 x 3/4")
26	B-1820	WRENCH, box (9/16 x 5/8")
27	B-1416	WRENCH, box (7/16 x 1/2")

REF. NO.	OWATONNA TOOL CO. NUMBER	DESCRIPTION
28	H-177	HANDLE, flex
29	D-1612	ADAPTER (1/2" female, 3/8" male)
30	H-172	EXTENSION (6")
31	H-189	JOINT, universal
32	H-163	RATCHET (reversible)
33	700-B	CUTTER, diagonal (6")
34	861	GAUGE, feeler (25 blades)
35	PB-43	BAR, pry (9/16" rd. x 16" long)
36	H-173	EXTENSION (10")
37	TP-24	PUNCH (5/16" bit x 10" long)
38	CC-24	CHISEL (7/8" bit x 8" long)
39	PP-6	PUNCH (3/16" bit x 7" long)
40	719	WRENCH, vise grip (7")
41	712-A	PLIER (slip joint, 8")
42	BP-32	HAMMER (ball peen)
43	SS-83	SCREWDRIVER (1/4" shank)
44	SS-123	SCREWDRIVER (3/8" shank)
45	DA-12	WRENCH (12" adjustable)

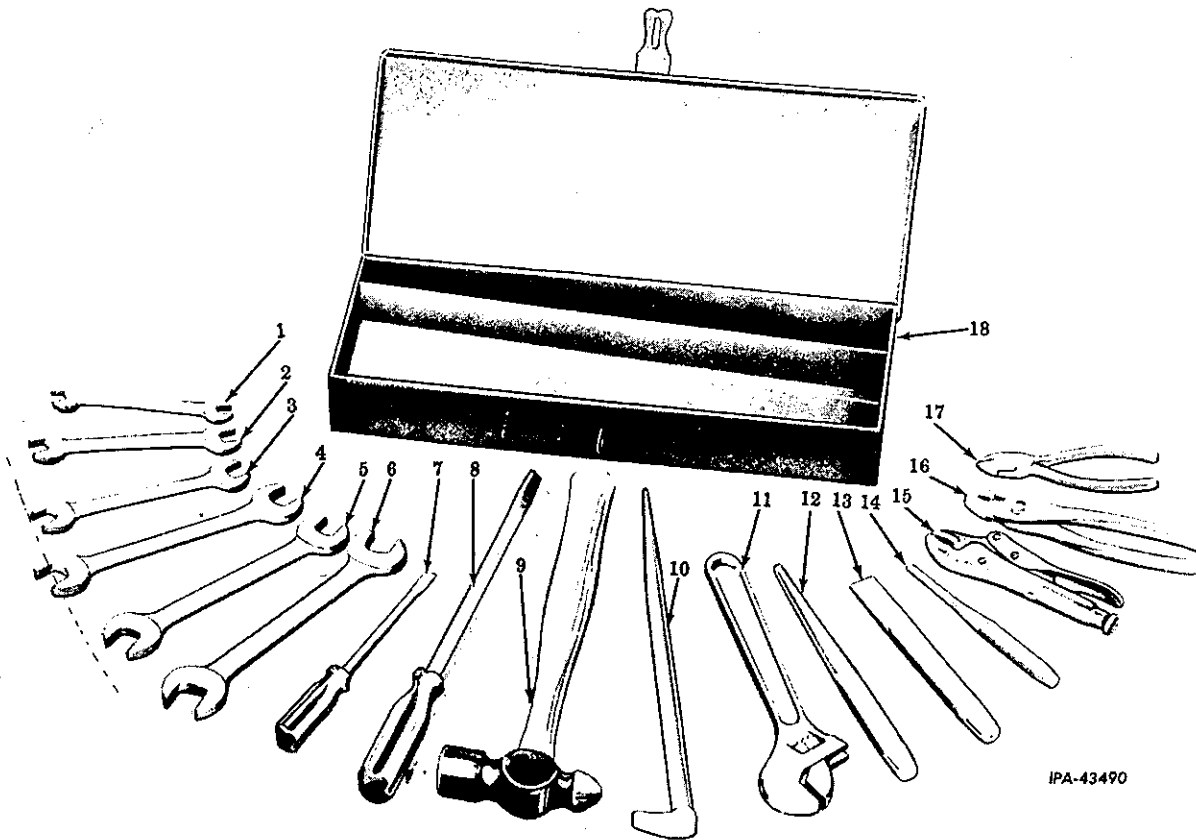
NOTE - Order individual tools and complete tool sets from Service Tools, Inc., 1901 South Indiana Avenue., Chicago, Illinois 60616

MISCELLANEOUS
(For Crawler Tractors)

TOOL SET
(Owatonna Tool Co.)

MISCELLANEOUS
(For Crawler Tractors)

TOOL SET - CONTINUED
(Owatonna Tool Co.)



IPA-43490

REF. NO.	OWATONNA TOOL CO. NUMBER	DESCRIPTION
		TOOL SET (consists of seventeen tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of Catalog) (See NOTE) (IH Part Number 276 820 R91)
1	E-141e	WRENCH, end (7/16 x 1/2")
2	E-1820	WRENCH, end (9/16 x 5/8")
3	E-2022	WRENCH, end (5/8 x 11/16")
4	R-2426	WRENCH, end (3/4 x 13/16")
5	E-2628	WRENCH, end (13/16 x 7/8")
6	E-3032	WRENCH, end (15/16 x 1")
7	SS-83	SCREWDRIVER (1/4" shank)
8	SS-123	SCREWDRIVER (3/8" shank)
9	BP-32	HAMMER (ball peen)
10	PB-32	BAR, pry (9/16" rd. x 16" long)
11	DA-12	WRENCH (12" adjustable)
12	TP-24	PUNCH (5/16" bit x 10" long)
13	CC-24	CHISEL (7/8" bit x 8" long)

REF. NO.	OWATONNA TOOL CO. NUMBER	DESCRIPTION
14	PP-6	PUNCH (3/16" bit x 10" long)
15	719	WRENCH, vise grip (7")
16	712-A	PLIER (slip joint 8")
17	700-B	CUTTER, diagonal (6")
18	H-190	BOX, tool

NOTE - Order individual tools and complete tool sets from Service Tools Inc., 1901 South Indiana Avenue., Chicago, Illinois 60616

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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PRODUCT GRAPHICS

The following identification and instructional Product Graphics are available for Crawler Tractors.
No. 6 x 1/4" blunt drive SCREW (used to attach number plate) (4)

2 754 077 R1 PRODUCT GRAPHIC, shifter safety lock (For power shift and sideboom power shift crawler tractors)
TD-15BP 22001 up
TD-15BPS 22001 up

2 751 217 R2 PRODUCT GRAPHIC, safety lock (For power shift and sideboom crawler tractors)
TD-15BP 6001 to 22000
TD-15BPS 9371 to 22000

312 552 R1 PRODUCT GRAPHIC, turbocharger warning (plate)
No. 6 x 1/4" blunt drive SCREW (4)

650 141 C1 PRODUCT GRAPHIC, heavy duty air cleaner instructions

2 752 941 R1 PRODUCT GRAPHIC, heavy duty air cleaner instructions

2 753 386 R1 PRODUCT GRAPHIC, water separator and primary filter instructions

603 289 C92 PACKAGE, product identification product graphic (for tractors painted I.H. yellow)
(Consists of -
§ 2 PRODUCT GRAPHIC, I.H. monogram
§ 1 PRODUCT GRAPHIC, I.H. monogram
§ 1 PRODUCT GRAPHIC, I.H. C. of Canada
§ 5 PRODUCT GRAPHIC, "International"
§ 2 PRODUCT GRAPHIC, "SERIES B"
§ 2 PRODUCT GRAPHIC, "TD-15" Model Symbol
§ 2 PRODUCT GRAPHIC, "TD-15 Agricultural" Model Symbol
§ 2 PRODUCT GRAPHIC, "TD-15 P.S." Model Symbol
§ 2 PRODUCT GRAPHIC, "175" Model Symbol)

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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PRODUCT GRAPHICS - CONTINUED

604 921 C91 PACKAGE, instructional product graphic (for tractors painted I.H. yellow)
(Consists of -
§ 1 PRODUCT GRAPHIC, generator warning
§ 2 PRODUCT GRAPHIC, lubricating oil filter instructions
§ 1 PRODUCT GRAPHIC, primary fuel filter
§ 1 PRODUCT GRAPHIC, final fuel filter
§ 1 PRODUCT GRAPHIC, fuel priming procedure (TD-15B and L-175)
§ 1 PRODUCT GRAPHIC, fuel tank drain
§ 1 PRODUCT GRAPHIC, on-off master switch
§ 1 PRODUCT GRAPHIC, oil pressure warning
§ 1 PRODUCT GRAPHIC, parking brake instructions
§ 1 PRODUCT GRAPHIC, engine start warning
§ 1 PRODUCT GRAPHIC, shifter safety lock
§ 1 PRODUCT GRAPHIC, travel direction change
§ 1 PRODUCT GRAPHIC, air cleaner instructions (TD-15B and L-175)
§ 1 PRODUCT GRAPHIC, air cleaner instructions (TD-20B and L-250)
§ 1 PRODUCT GRAPHIC, engine running w/tractor stopped
§ 1 PRODUCT GRAPHIC, shifting diagram (power shift)
§ 1 PRODUCT GRAPHIC, shifting diagram (manual shift) (TD-15B)
§ 1 PRODUCT GRAPHIC, fuel pump pressure
§ 1 PRODUCT GRAPHIC, seat lock
§ 1 PRODUCT GRAPHIC, fuel priming procedure (TD-20B and L-250)
§ 1 PRODUCT GRAPHIC, master switch warning
§ 1 PRODUCT GRAPHIC, fuel priming procedure

604 021 C1 TREAD, safety walk (4)

§ - Not Furnished Separately.

MEMORANDA

MEMORANDA

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
GASKET PACKAGES		
604 741 C92		PACKAGE, transmission gasket field service (for power shift crawler tractors) consists of the following Gaskets and Rings -
142 756		GASKET, 1-1/4" annular poppet plug (2)
269 910 R1		GASKET, bevel pinion shaft front bearing retainer plug
321 992 R1		GASKET, valve cover (5)
324 019 R1		GASKET, range selectro valve
324 021 R1		GASKET, valve plate
325 021 R2		GASKET, transmission cover
325 022 R1		GASKET, high-low shifter housing
325 040 R2		GASKET, main regulator valve
325 041 R1		GASKET, hydraulic valve spacer
616 302 C1		GASKET, hydraulic valve spacer
285 723 R1		RING, bevel pinion shaft front bearing retainer sealing
285 723 R1		RING, spline shaft bearing cap sealing
285 724 R1		RING, forward clutch shaft hydraulic manifold large sealing
285 724 R1		RING, reverse clutch shaft hydraulic manifold sealing
290 987 R1		RING, rotor sealing
610 417 C1		RING, transmission case lower sealing
610 411 C1		RING, forward clutch shaft oil seal housing sealing
307 915 R1		RING, tachometer cable adapter sealing
610 415 C1		RING, bevel pinion shaft bearing cage sealing
324 022 R1		RING, needle bearing retainer and sealing
350 684 R1		RING, range selector valve shaft sealing
324 223 R2		RING, accelerating piston sealing (forward clutch pack) (2)
324 223 R2		RING, accelerating piston sealing (reverse clutch pack) (2)
324 224 R2		RING, piston and piston housing sealing (forward clutch pack) (2)
324 224 R2		RING, piston and piston housing sealing (reverse clutch pack) (2)
324 226 R1		RING, clutch piston sealing (forward clutch pack)
324 226 R1		RING, clutch piston sealing (reverse clutch pack)
324 227 R1		RING, piston housing sealing (forward clutch pack)
324 227 R1		RING, piston housing sealing (reverse clutch pack)
325 059 R1		RING, forward clutch shaft rear sealing (4)
325 059 R1		RING, reverse clutch shaft sealing (4)
347 641 R1		RING, range selector valve wiper sealing
350 667 R1		RING, forward clutch shaft hydraulic manifold small sealing (2)
350 667 R1		RING, reverse clutch shaft hydraulic manifold sealing (2)
352 313 R1		RING, transmission case upper sealing
355 966 R1		RING, transmission selector valve manifold sealing (10)
379 181 R1		RING, range selector valve sealing (5)
574 069 R1		RING, tachometer drive plug sealing
574 069 R1		RING, range selector valve sealing
345 836 R1		SHIM, reverse clutch shaft (medium) (3)
345 837 R1		SHIM, reverse clutch shaft (heavy) (3)
615 851 C1		SEAL, range selector valve shaft
615 850 C1		WASHER, range selector valve

MISCELLANEOUS
(For Crawler Tractors)

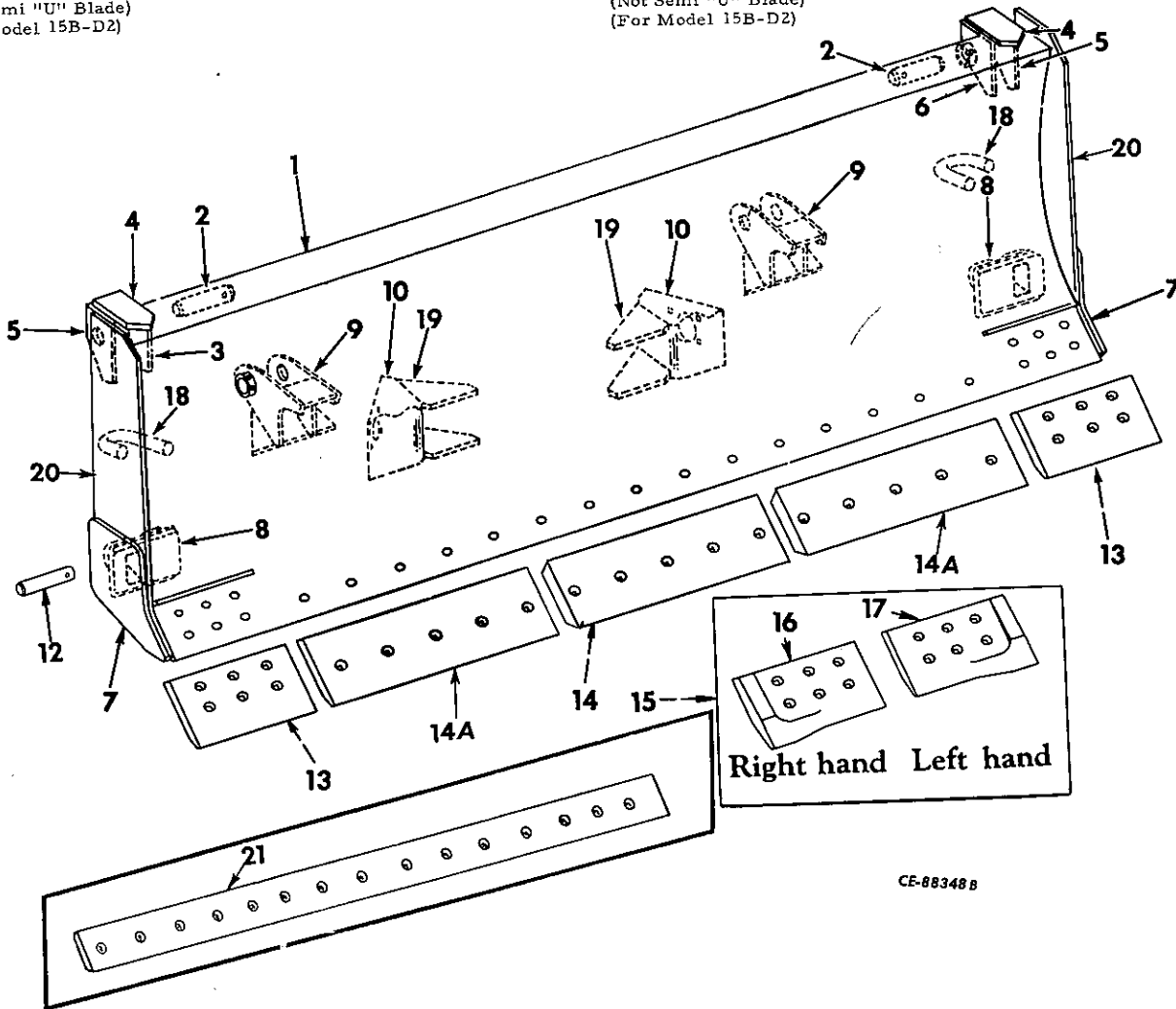
REF. NO.	I. H. PART NUMBER	DESCRIPTION
GASKET PACKAGES - CONTINUED		
604 743 C91		PACKAGE, torque converter gasket field service (for power shift crawler tractors) (Consists of the following Gaskets and Rings -
324 069 R1		GASKET, output shaft bearing retainer (2)
324 092 R2		GASKET, pump inspection cover
321 988 R1		RING, torque converter to flywheel housing sealing
324 062 R1		RING, hub sealing
324 065 R1		RING, output shaft sealing (piston hook type)
336 970 R1		RING, input pump sealing (2)
343 927 R1		RING, power take-off cover sealing
338 972 R1		SHIM, impeller hub (.005") (3)
347 089 R1		SHIM, impeller hub (.010") (3)
347 090 R1		SHIM, impeller hub (.020") (3)
332 374 R91		PACKAGE, seal and gasket (field service) (for units equipped with International R. D. Fuel Injection Pump) (consists of 69 Gaskets and Seals as follows -
347 535 R1		BOOT, priming valve
59 624 D		GASKET, cam retainer screw and primary pump screw (4)
278 347 R1		GASKET, injection pump
310 067 R1		GASKET, primary pump mounting
310 126 R1		GASKET, pump housing top cover
310 128 R1		GASKET, timing window cover (2)
310 140 R1		GASKET, mainshaft oil seal plate
318 335 R1		GASKET, fuel line fitting (16)
345 032 R1		GASKET, gear hub
347 530 R1		GASKET, primary pump end plate
345 218 R1		"O" RING, recirculation valve seat
347 532 R1		"O" RING, spring seat
352 219 R1		"O" RING, priming stem
233 045 R1		RING, governor weight shaft (4)
349 062 R91		SCREW w/SEAL, timing window cover (4)
303 545 R1		SEAL, distributor head plug, pump housing plug and inlet fitting (3)
303 545 R1		SEAL, housing plug (2)
310 135 R1		SEAL, maximum fuel stop and bumper spring screw (2)
310 136 R1		SEAL, torque spring adjusting screw and recirculation valve (3)
310 137 R1		SEAL, load adjusting screw
310 141 R1		SEAL, distributor head
310 142 R1		SEAL, retraction valve retainer
312 589 R1		SEAL, oil seal plate screw (3)
312 593 R1		SEAL, control shaft (2)
321 730 R1		SEAL, low idle screw and timing window cover screw (5)
330 453 R1		SEAL, timing adjusting spring seat
343 715 R91		SEAL, mainshaft
601 206 C91		SEELBOLT, cam retainer ring (2)
279 673 R91		WIRE, sealing (2)

HYDRAULIC BULLGRADER AND BULLDOZER

BULLDOZER BLADE
(Hydraulic)
(Not Semi "U" Blade)
(For Model 15B-D2)

HYDRAULIC BULLGRADER AND BULLDOZER

BULLDOZER BLADE - CONTINUED
(Hydraulic)
(Not Semi "U" Blade)
(For Model 15B-D2)



CE-88348 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	333 220 R91	BLADE w/EDGE and BITS ASSY, hydraulic dozer (See NOTE A) TD-15BP 6001 to 6149 TD-15BP 6200 to 25000 TD-15BG 7260 to 25000
1	613 003 C91	BLADE w/EDGE and BITS ASSY, hydraulic dozer (will work for BLADE ASSY, 333 220 R91) (See NOTE A)
1	346 078 R91	BLADE w/EDGE and BITS ASSY, hydraulic dozer (See NOTE A) TD-15BP 6150 to 6199
1	342 100 R91	BLADE w/EDGE and BITS ASSY, hydraulic dozer (Part of dozer blade service package) (Consists of -
	2	BIT 298 852 R1
	§ 1	BLADE 342 616 R1
	6	BOLT 327 226 R1
	21	BOLT 623 988 C1
	1	EDGE 623 987 C1
	2	EDGE 315 111 R1)
	2	PLATE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
NOTE A - PACKAGE, hydraulic dozer blade field service TD-15BP 6001 to 25000 TD-15BG 7260 to 25000		
(Order the following parts -		
1	BLADE	342 100 R91
2	BRACKET	320 798 R91
2	BRACKET	333 222 R91
2	FITTING	109 461
4	GUSSET	320 833 R1
2	LOOP	315 093 R1
1	LUG	315 089 R91
1	LUG	315 090 R91
2	LUG	315 091 R91
1	PAMPHLET	1 019 088 R2
2	PLATE	315 092 R1
2	SOCKET	320 832 R1)

§ - Not Furnished Separately.

HYDRAULIC BULLGRADER AND BULLDOZER

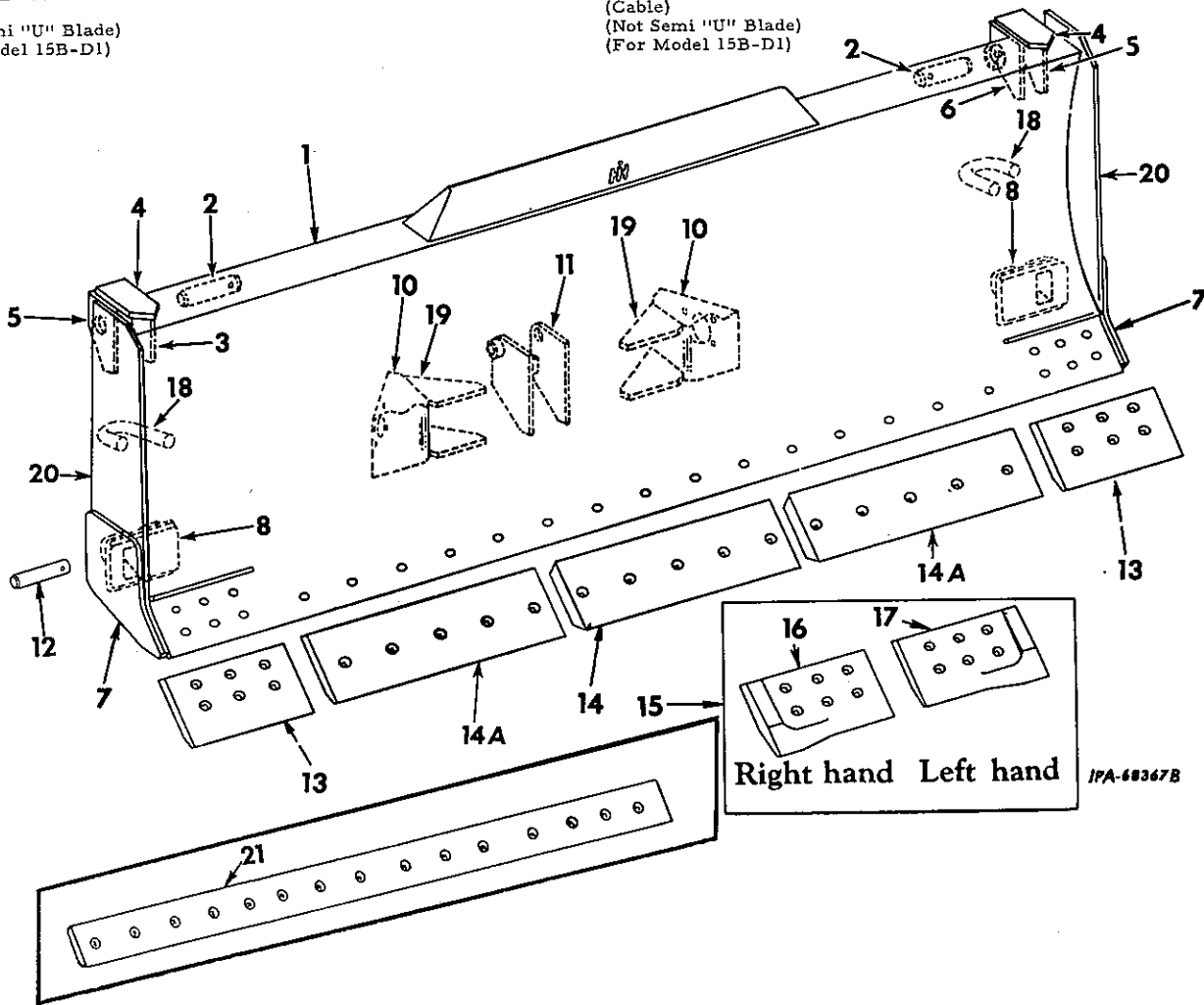
REF. NO.	I. H. PART NUMBER	DESCRIPTION
BULLDOZER BLADE - CONTINUED (Hydraulic) (Not Semi "U" Blade) (For Model 15B-D2)		
1	704 021 C91	BLADE w/EDGE and BITS ASSY, hydraulic dozer TD-15BP 25001 up TD-15BG 25001 up (Consists of the following parts - 2 BIT 298 852 R1 § 1 BLADE 6 BOLT 324 616 R1 21 BOLT 327 226 R1 2 BRACKET 320 798 R91 2 BRACKET 704 019 C1 1 EDGE 623 988 C1 2 EDGE 623 987 C1 2 FITTING 109 461 1 LUG 315 089 R91 1 LUG 315 090 R91 2 LUG 315 091 R91 2 PLATE 618 243 C1 2 PLATE 315 092 R1 2 SOCKET 320 832 R2)
2	315 506 R1	PIN, upper strut front (2)
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)
9	413 956	NUT, 1/2" stover lock (2)
3	315 090 R91	LUG, RH upper strut
4	315 092 R1	PLATE, upper strut lug (2)
5	315 091 R1	LUG, upper strut (2)
6	315 089 R91	LUG, LH upper strut
7	315 111 R1	PLATE, wear (2) (2) TD-15BP 6001 to 25000 (2) TD-15BG 7260 to 25000
7	618 243 C1	PLATE, wear (2) TD-15BP 25001 up (2) TD-15BG 25001 up
8	320 798 R91	BRACKET, push arm (2)
9	333 222 R91	BRACKET, hydraulic (2) (2) TD-15BP 6001 to 25000 (2) TD-15BG 7260 to 25000
9	704 019 C1	BRACKET, hydraulic (2) TD-15BP 25001 up (2) TD-15BG 25001 up
10	320 832 R2	SOCKET, diagonal strut (2)
12	309 789 R2	PIN, push arm bracket (2)
9	413 956	NUT, 1/2" stover lock (2)
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)
13	298 852 R1	BIT, end (2)
	342 616 R1	BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (6)
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (6)
	220 081	3/4" NUT (12)
14	623 988 C1	EDGE, cutting BOLT, 3/4 x 2-1/2" plow (No. 3 hd.) (5) NUT, 3/4" (5)
14A	623 987 C1	EDGE, cutting (2) BOLT, plow (10) NUT, 3/4" (10)
	327 226 R1	
	220 081	
15	296 229 R91	ATTACHMENT, end bit (cast steel) (See NOTES 1 and 3) (Consists of BIT, 290 493 R3 and BIT, 290 494 R3)
16	619 559 C1	BIT, LH end (heavy duty)
	342 616 R1	BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3)
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)

HYDRAULIC BULLGRADER AND BULLDOZER

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BULLDOZER BLADE - CONTINUED (Hydraulic) (Not Semi "U" Blade) (For Model 15B-D2)		
17	619 560 C1	BIT, RH end (heavy duty)
	342 616 R1	BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3)
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)
18	315 093 R1	LOOP, strut lock (Part of dozer blade service package) (2)
19	320 833 R1	GUSSET, socket (Part of dozer blade service package) (4)
	109 461	FITTING, 1/8" straight lubrication (Lincoln 5000) (2)
20	608 172 C1	CUTTER, side (2)
21	320 843 R1	EDGE, cutting (order two EDGE, 623 987 C1 and EDGE, 623 988 C1)
<p>§ - Not Furnished Separately. NOTE 1 - Factory Application - Order On Machine Order Form. NOTE 3 - Field Application - Order Through Regular Service Parts Channels.</p>		

CABLE BULLGRADERS AND BULLDOZERS

BULLDOZER BLADE
(Cable)
(Not Semi "U" Blade)
(For Model 15B-D1)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	626 575 C91	BLADE, basic service (used when BLADE 613 005 C91 is replaced)
1	333 220 R91	BLADE w/EDGE and BIT ASSY (Order BLADE ASSY 613 005 C91) TD-15BP 6001 to 6149 TD-15BP 6200 to 25000 TD-15BG 7260 to 25000
1	613 005 C91	BLADE w/EDGE and BIT ASSY, hydraulic dozer TD-15BP 6001 to 6149 TD-15BP 6200 to 25000 TD-15BG 7260 to 25000
		(Order the following parts -
	2	BIT 298 852 R1
	1	BLADE 626 575 C91
	6	BOLT 342 616 R1
	21	BOLT 327 226 R1
	2	BRACKET 320 798 R91
	1	BRACKET 333 227 R91
	1	EDGE 623 988 C1
	2	EDGE 623 987 C1
	2	FITTING 109 461
	2	LOOP 315 093 R1
	1	LUG 315 089 R91
	1	LUG 315 090 R91
	2	LUG 315 091 R1
	2	PLATE 315 111 R1
	2	SOCKET 320 832 R2
	2	PLATE 315 092 R1

CABLE BULLGRADERS AND BULLDOZERS

BULLDOZER BLADE - CONTINUED
(Cable)
(Not Semi "U" Blade)
(For Model 15B-D1)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	342 100 R91	BLADE w/EDGE and BIT ASSY (Part of dozer blade service PACKAGE) TD-15BP 6150 to 6199
		(Composed of -
	2	BIT 298 852 R1
	§ 1	BLADE 626 575 C91
	6	BOLT 342 616 R1
	21	BOLT 327 226 R1
	1	EDGE 623 988 C1
	2	EDGE 623 987 C1
	2	PLATE 315 111 R1)
1		PACKAGE, hydraulic dozer blade field service) TD-15BP 6150 to 6199
		(Order the following parts -
	1	BLADE 342 100 R91
	2	BRACKET 320 798 R91
	1	BRACKET 320 834 R11
	2	FITTING 109 461
	§ 4	GUSSET
	2	LOOP 315 093 R1
	1	LUG 315 089 R91
	1	LUG 315 090 R91
	2	LUG 315 091 R1
	1	PAMPHLET 1 019 089 R2
	2	PLATE 315 092 R1
	2	SOCKET 320 832 R1)
		§ - Not Furnished Separately.

CABLE BULLGRADERS AND BULLDOZERS

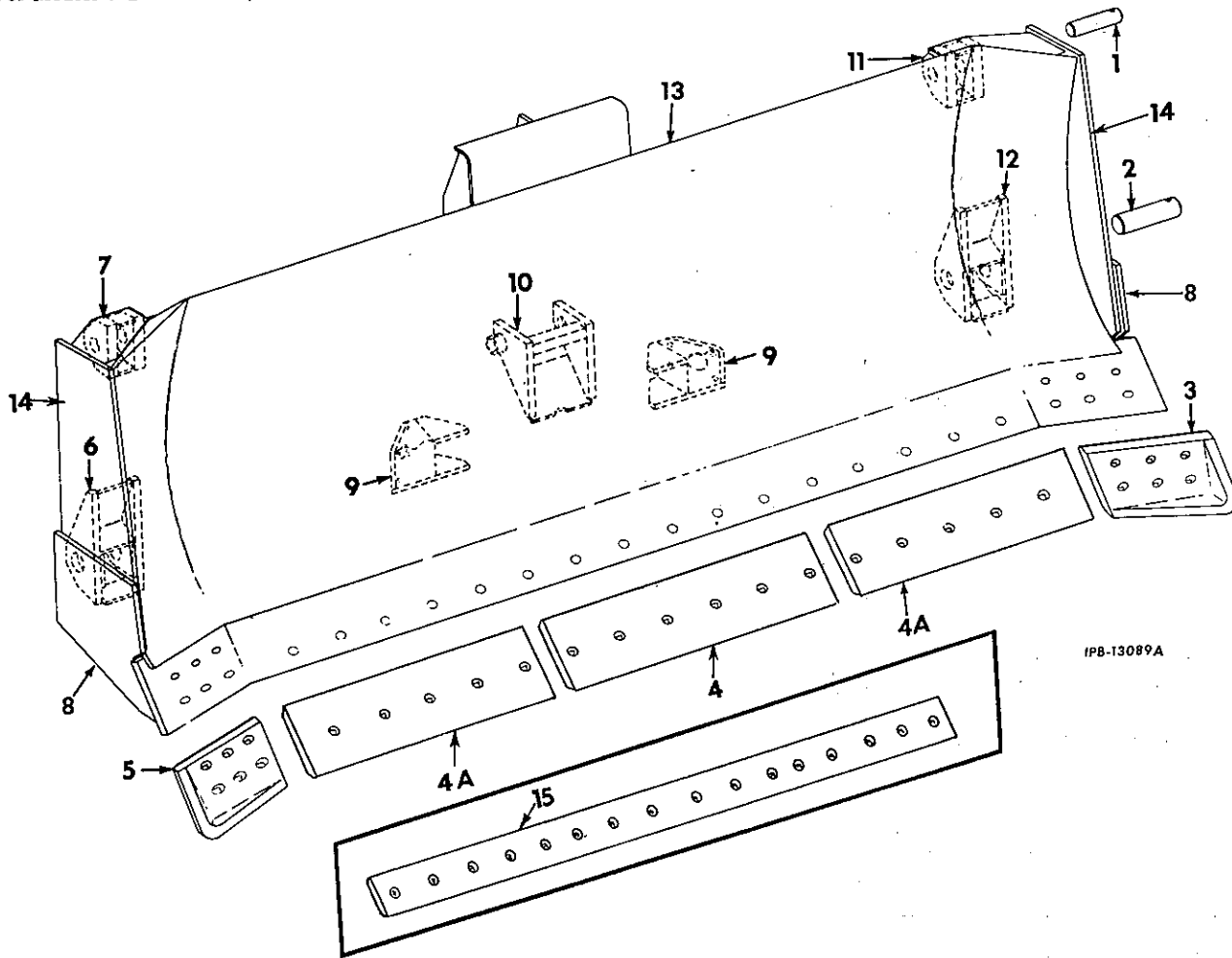
REF. NO.	I. H. PART NUMBER	DESCRIPTION
BULLDOZER BLADE - CONTINUED (Cable) (Not Semi "U" Blade) (For Model 15B-D1)		
2	315 506 R1 179 894 9 413 956	PIN, upper strut front (2) 1/2 x 3-1/4" hex-hd cap SCREW (2) NUT, 1/2" stover lock (2)
3	315 090 R91	LUG, RH upper strut
4	315 092 R1	PLATE, upper strut lug (2)
5	315 091 R1	LUG, upper strut (2)
6	315 089 R91	LUG, LH upper strut
7	315 111 R1	PLATE, wear (2)
8	320 798 R91	BRACKET, push arm (2)
10	320 832 R2	SOCKET, diagonal strut (2)
11	320 834 R11	BRACKET, cable lift TD-15BP 6150 to 6199
11	333 227 R91	BRACKET, cable lift TD-15BP 6001 to 6149 TD-15BP 6150 up TD-15BG 7260 up
12	309 789 R2 9 413 956 179 895	PIN, push arm bracket (2) NUT, 1/2" stover lock (2) 1/2 x 3-1/2" hex-hd cap SCREW (2)
13	298 852 R1 342 616 R1 327 226 R1 220 081	BIT, end (2) BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (6) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (6) 3/4" NUT (12)
14	623 988 C1 327 226 R1 220 081	EDGE, cutting BOLT, 3/4 x 2-1/2" plow (No. 3 hd.) (5) NUT, 3/4" (5)
14A	623 987 C1 327 226 R1 220 081	EDGE, cutting (2) BOLT, plow (10) NUT, 3/4" (10)
15	296 229 R91	ATTACHMENT, end bit (cast steel) (See NOTES 1 and 3) (Consists of BIT, 290 493 R3 and BIT, 290 494 R3)
16	619 559 C1 342 616 R1 327 226 R1 220 081	BIT, LH end (heavy duty) BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3) 3/4" NUT (6)
17	619 560 C1 342 616 R1 327 226 R1	BIT, RH end (heavy duty) BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3) 3/4" NUT (6)
18	315 093 R1	LOOP, strut lock (2)
19		§GUSSET, socket (4)
20	608 172 C1	CUTTER, side (2)
21	320 843 R1	EDGE, cutting (order two EDGE, 623 987 C1 and EDGE, 623 988 C1)
	109 461	FITTING, 1/8" straight lubrication (Lincoln 5000)
	1 019 089 R2	PAMPHLET, installation instruction (cable) TD-15BP 6150 to 6199

§ - Not Furnished Separately.
NOTE 1 - Factory Application - Order On
Machine Order Form.
NOTE 3 - Field Application - Order Through
Regular Service Parts Channels.

MEMORANDA

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

BULLDOZER BLADE
(Cable)
(Semi "U" Blade)
(For Models 15B-D1 and D3)



BULLDOZER BLADE - CONTINUED
(Cable)
(Semi "U" Blade)
(For Models 15B-D1 and D3)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	315 506 R1	PIN, strut (2)
9	413 956	NUT, stover lock (2)
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)
2	309 789 R2	PIN, push arm (2)
9	413 956	NUT, stover lock (2)
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)
3	619 561 C1	BIT, LH end
	327 226 R1	BOLT (6)
	220 081	3/4" NUT (6)
4	623 990 C1	EDGE, cutting
	327 226 R1	BOLT (16)
	220 081	3/4" NUT (16)
4A	623 989 C1	EDGE, cutting (2)
5	619 562 C1	BIT, RH end
	327 226 R1	BOLT (6)
	220 081	3/4" NUT (6)
6	608 073 C91	BRACKET, RH push arm
7	608 069 C91	BRACKET, RH upper strut
8	608 053 C1	PLATE, wear (2)
9	605 996 C1	SOCKET, diagonal strut
10	608 078 C91	BRACKET, cable lift

REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	608 068 C91	BRACKET, LH upper strut
12	608 072 C91	BRACKET, LH push arm
13	623 327 C91	BLADE, basic service (used when BLADE 608 081 C91 is replaced)
13	608 081 C91	BLADE w/EDGE and BIT ASSY
		(Order the following parts
	1	BIT 619 561 C1
	1	BIT 619 562 C1
	1	BLADE 623 327 C91
	1	BRACKET 608 068 C91
	1	BRACKET 608 069 C91
	1	BRACKET 608 072 C91
	1	BRACKET 608 073 C91
	1	BRACKET 608 078 C91
	2	EDGE 623 989 C1
	1	EDGE 623 990 C1
	2	FITTING 109 461
	2	PLATE 608 053 C1
	2	SOCKET 605 996 C1)
14	608 172 C1	CUTTER, side (2)
15	608 082 C1	EDGE, cutting (order two EDGE, 623 989 C1 and EDGE, 623 990 C1)
	109 461	FITTING, lubrication (2)

MEMORANDA

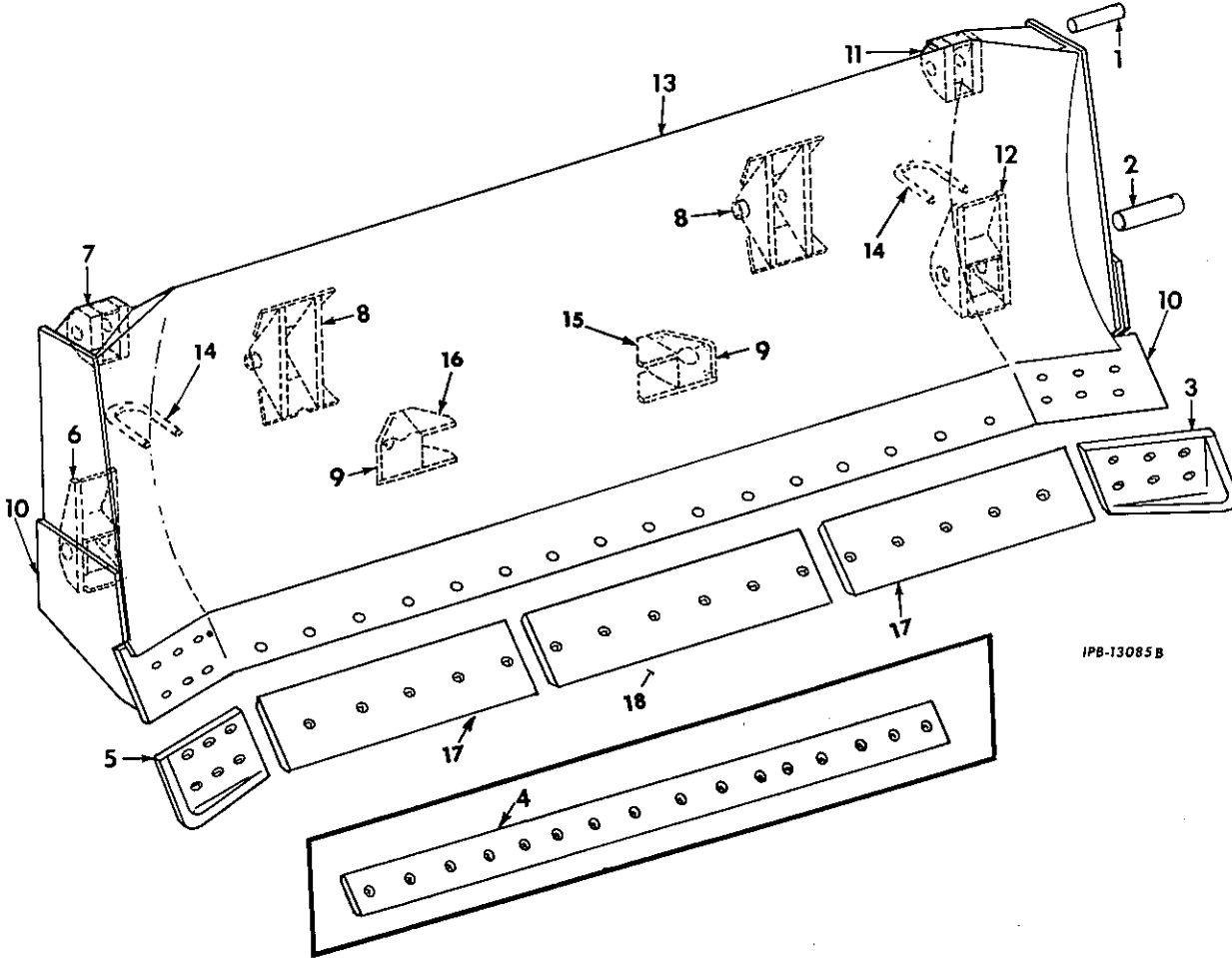
MEMORANDA

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

BULLDOZER BLADE
(Hydraulic)
(Semi "U" Blade) (For Model 15B D-2)

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

BULLDOZER BLADE - CONTINUED
(Hydraulic)
(Semi "U" Blade) (For Model 15B D-2)



IPB-13085B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	315 506 R1	PIN, strut (2)
	9 413 956	NUT, stover lock (2)
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)
2	309 789 R2	PIN, pusharm (2)
	9 413 956	NUT, stover lock (2)
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)
3	619 561 C1	BIT, LH end
	327 226 R1	BOLT (6)
	220 081	3/4" NUT (6)
4	608 082 C1	EDGE, cutting (order two EDGE, 623 989 C1 and EDGE, 623 990 C1)
	327 226 R1	BOLT (16)
	220 081	3/4" NUT (16)
5	619 562 C1	BIT, RH end
	327 226 R1	BOLT (6)
	220 081	3/4" NUT (6)
6	608 073 C91	BRACKET, RH pusharm

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	608 069 C91	BRACKET, RH upper strut (Part of BLADE ASSY, 608 088 C91 and 700 861 C91)
7	611 656 C91	BRACKET, RH upper strut (Used with BLADE ASSY, 623 327 C91)
8	608 085 C91	BRACKET, hydraulic cylinder (2) TD-15BP 6001 to 25000 (2) TD-15BG 7260 to 25000
8	700 856 C1	BRACKET, hydraulic cylinder (2) TD-15BP 25001 up (2) TD-15BG 25001 up
9	605 996 C1	SOCKET, diagonal strut (2)
10	608 053 C1	PLATE, wear (2)
11	608 068 C91	BRACKET, LH upper strut (Part of BLADE ASSY, 608 088 C91 and 700 861 C91)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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BULLDOZER BLADE - CONTINUED

(Hydraulic)

(Semi "U" Blade) (For Model 15B D-2)

11	611 655 C91	BRACKET, LH upper strut (Used with BLADE ASSY, 623 327 C91) (2)
12	608 072 C91	BRACKET, LH pusharm
13	608 088 C92	BLADE w/EDGE and BITS ASSY TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 (Order the following parts - 1 BLADE 623 327 C91 1 BRACKET 608 072 C91 1 BRACKET 608 073 C91 1 BRACKET 611 655 C91 1 BRACKET 611 656 C91 2 BRACKET 608 085 C91 1 DRAWING 1ZG-9139 2 FITTING 109 461 2 GUSSET 605 998 C1 2 GUSSET 605 997 C1 2 LOOP 342 387 R1 2 SOCKET 605 996 C1)
13	623 327 C91	BLADE w/EDGE and BITS ASSY (Used only when BLADE, 608 088 C91 is replaced) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 (Consists of - 1 BIT 619 561 C1 1 BIT 619 562 C1 2 EDGE 623 989 C1 1 EDGE 623 990 C1 2 PLATE 608 053 C1)
13	700 861 C91	BLADE w/EDGE and BIT ASSY TD-15BP 25001 up TD-15BG 25001 up (Consists of - 1 BIT 619 561 C1 1 BIT 619 562 C1 § 1 BLADE 2 BRACKET 700 856 C1 1 BRACKET 608 068 C91 1 BRACKET 608 069 C91 1 BRACKET 608 072 C91 1 BRACKET 608 073 C91 1 EDGE 623 990 C1 2 EDGE 623 989 C1 2 FITTING 109 461 2 PLATE 608 053 C1 2 SOCKET 605 996 C1)
14	342 387 R1	LOOP, strut lock (Used with BLADE ASSY, 623 327 C91) (2)
15	605 998 C1	GUSSET, strut socket (Used with BLADE ASSY, 623 327 C91) (2)
16	605 997 C1	GUSSET, strut socket (Used with BLADE ASSY, 623 327 C91) (2)
17	623 989 C1	EDGE, cutting (Part of BLADE ASSY, 623 327 C91) (2)
18	623 990 C1	EDGE, cutting (Part of BLADE ASSY, 623 327 C91)
	327 226 R1	BOLT, plow (16)
	220 081	3/4" NUT (16)
	608 172 C1	CUTTER, side (2)
	109 461	FITTING, lubrication (2)

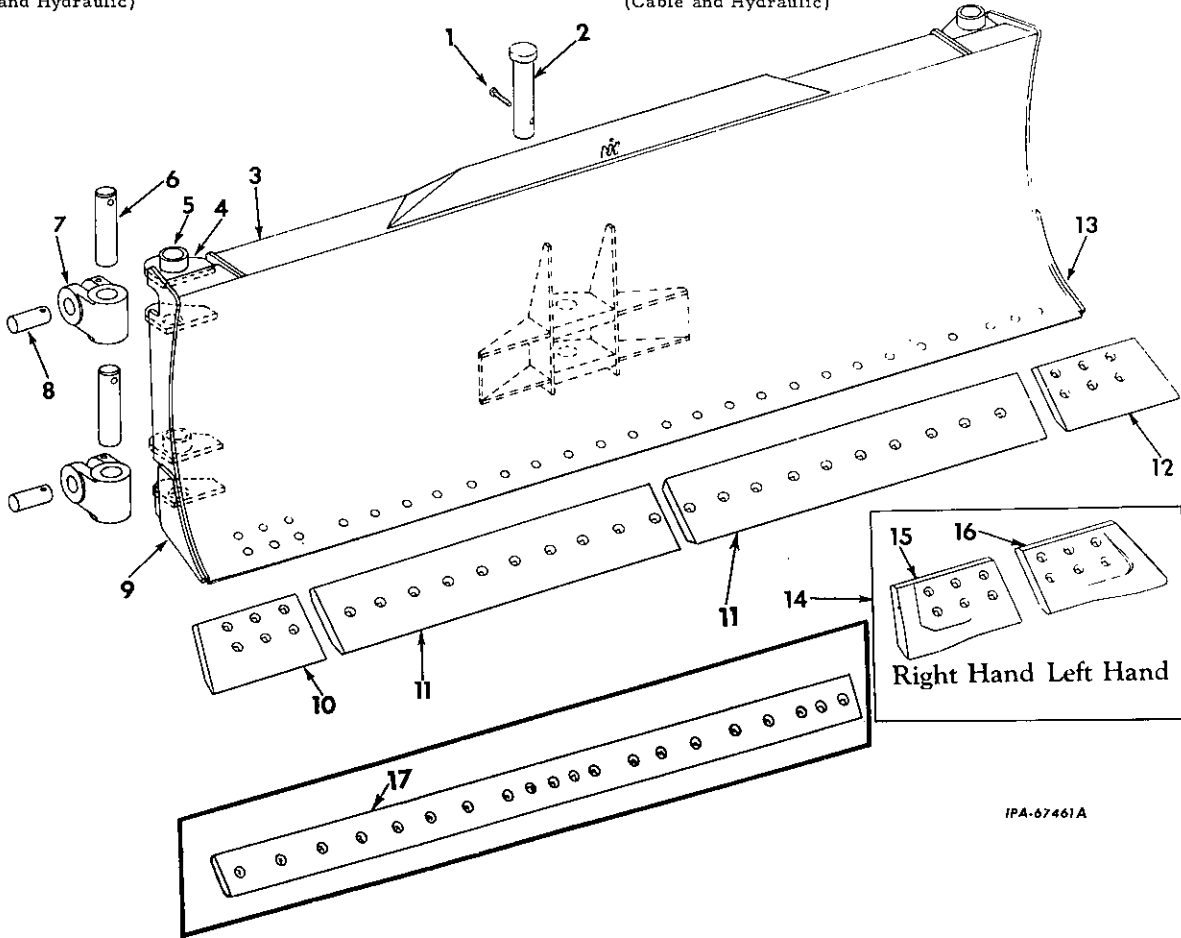
§ - Not Furnished Separately.

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

BULLGRADER BLADE
(For Model 15B G-1, G-2 and G-3)
(Cable and Hydraulic)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

BULLGRADER BLADE - CONTINUED
(For Model 15B G1, G-2 and G-3)
(Cable and Hydraulic)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	49 127 H 103 385	PIN, rod end 1/8 x 1" cotter PIN
2	600 671 C1	PIN, crosshead clevis
3	320 744 R92	BLADE w/EDGE and BITS ASSEMBLY (Composed of -
	1	BIT 298 850 R1
	1	BIT 298 851 R1
	§ 1	BLADE
	26	BOLT 327 226 R1
	6	BOLT 326 223 R1
	2	EDGE 623 991 C1
	8	LUG 320 758 R1
	1	PLATE 315 011 R1
	1	PLATE 315 012 R1
	1	PLATE 320 756 R1
	1	PLATE 320 757 R1
	4	TUBE 289 822 R1)
4	320 758 R1	LUG, strut swivel (8)
5	289 822 R1	TUBE, strut lug (4)
6	319 453 R1	PIN, strut swivel (4)
	9 413 956	NUT, 1/2" stover lock (4)
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (4)
7	319 452 R1	CLEVIS, strut swivel (4)
8	319 454 R1	PIN, strut clevis (4)
	9 413 954	NUT, 7/16" stover lock (4)
	186 292	7/16 x 4-1/4" hex-hd cap SCREW (4)
9	320 757 R1	PLATE, wear RH

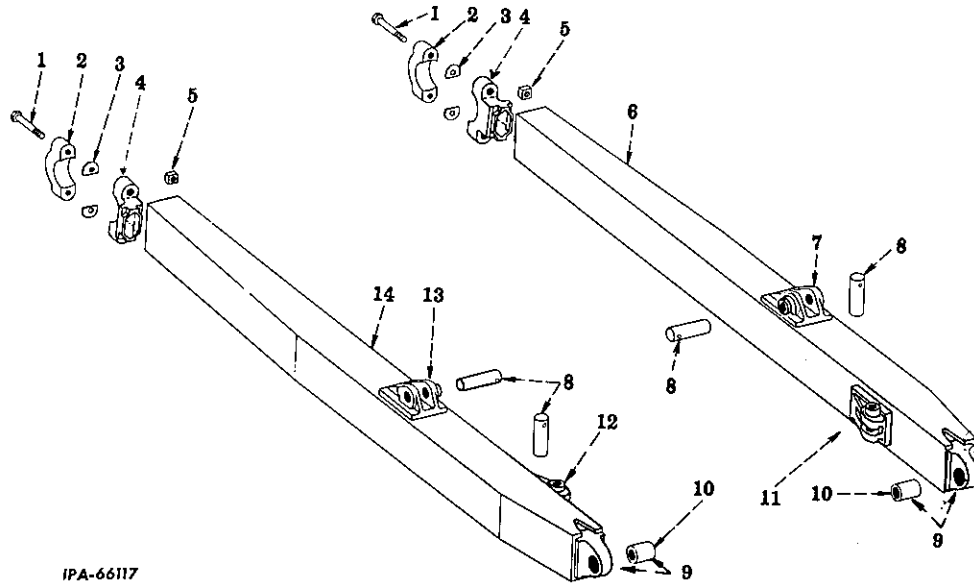
REF. NO.	I. H. PART NUMBER	DESCRIPTION
10	298 851 R1	BIT, RH end
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3/4 x 3-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)
11	623 991 C1	EDGE, cutting (2)
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (20)
	220 081	3/4" NUT (20)
12	298 850 R1	BIT, LH end
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3/4 x 3-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)
13	320 756 R1	PLATE, wear LH
14	296 230 R91	ATTACHMENT, end bits (cast stl) (consists of BIT, 290 468 R3 and BIT, 290 469 R3) (See NOTES 1 and 3)
15	619 564 C1	BIT, RH end
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3/4 x 3-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)
16	619 563 C1	BIT, LH end
	327 226 R1	BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3/4 x 3-1/2" plow (No. 3 hd) (3)
	220 081	3/4" NUT (6)
17	315 023 R1	EDGE, cutting (order two EDGE, 623 991 C1)
	315 011 R1	PLATE, LH end bit backing
	315 012 R1	PLATE, RH end bit backing
		NOTE 1 - Factory Application - Order on Machine Order Form.
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
		§ - Not Furnished Separately.

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

BULLDOZER PUSH ARMS
(Cable and Hydraulic)
(Not for Semi "U" Blades)
(For Model D-1, D-2 and D-3)

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

BULLDOZER PUSH ARMS - CONTINUED
(Cable and Hydraulic)
(Not for Semi "U" Blades)
(For Model D-1, D-2 and D-3)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	18 307 R1	SCREW, 1 x 6" hex-hd cap (4) TD-15BP 6001 to # TD-15BG 7260 to #
1	20 278 R1	SCREW, 1 x 6" hex-hd cap (4) TD-15BP # up TD-15BG # up
2	290 255 R1	CAP, trunnion bearing (2)
3	290 257 R1	SHIM, trunnion bearing cap (16)
4	293 046 R1	BEARING, trunnion (2)
5	290 256 R2	NUT, trunnion bearing cap (4)
6	333 289 R91	ARM w/CAP ASSEMBLY, LH push (Composed of - 1 BEARING 293 046 R1 2 BOLT 18 307 R1 1 BRACKET 333 294 R91 1 BRACKET 333 295 R91 1 CAP 290 255 R1 2 NUT 290 256 R1 1 PIVOT 320 875 R11 8 SHIM 290 257 R1)
7	333 295 R91	BRACKET, strut

REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	315 103 R1	PIN, strut bracket (4)
9	413 956 179 894	NUT, 1/2" stover lock (4) 1/2 x 3-1/4" hex-hd cap SCREW (4)
9	320 875 R11	PIVOT w/BUSHING, 290 267 R2, push arm (2)
10	290 267 R2	BUSHING, push arm pivot (2)
11	333 294 R91	BRACKET, strut
12	333 295 R91	BRACKET, strut
13	333 294 R91	BRACKET, strut
14	333 290 R91	ARM w/CAP ASSEMBLY, RH push (Composed of - 1 BEARING 293 046 R1 2 BOLT 20 278 R1 1 BRACKET 333 294 R91 1 BRACKET 333 295 R91 1 CAP 290 255 R1 2 NUT 290 256 R2 1 PIVOT 320 875 R11 8 SHIM 290 257 R1)

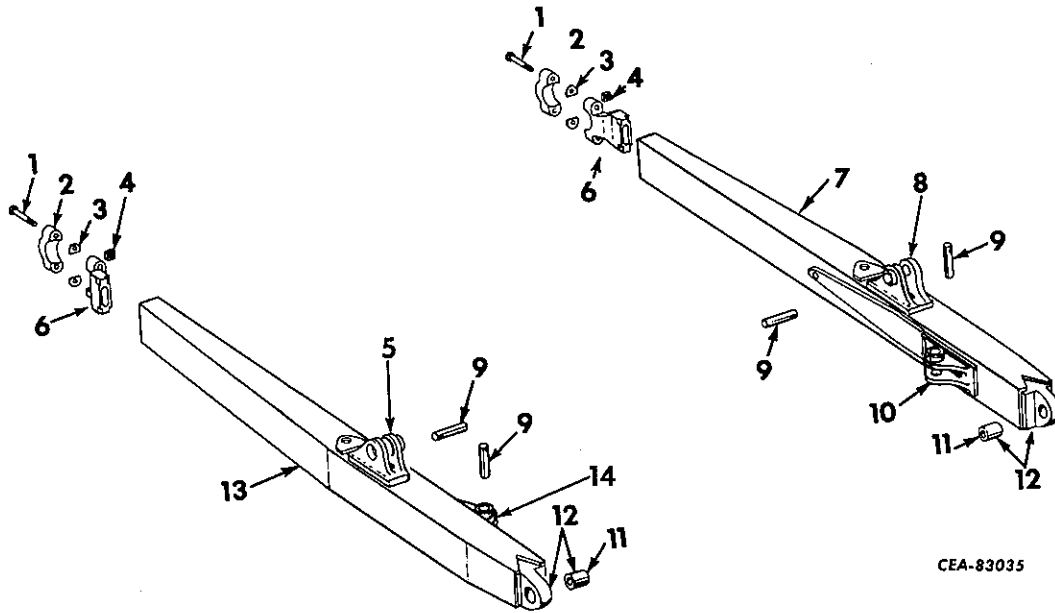
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CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

BULLDOZER PUSHARMS
(For Semi "U" Blades)
(Cable and Hydraulic)
(For Model D-1, D-2 and D-3)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

BULLDOZER PUSHARMS - CONTINUED
(For Semi "U" Blades)
(Cable and Hydraulic)
(For Model D-1, D-2 and D-3)



CEA-83035

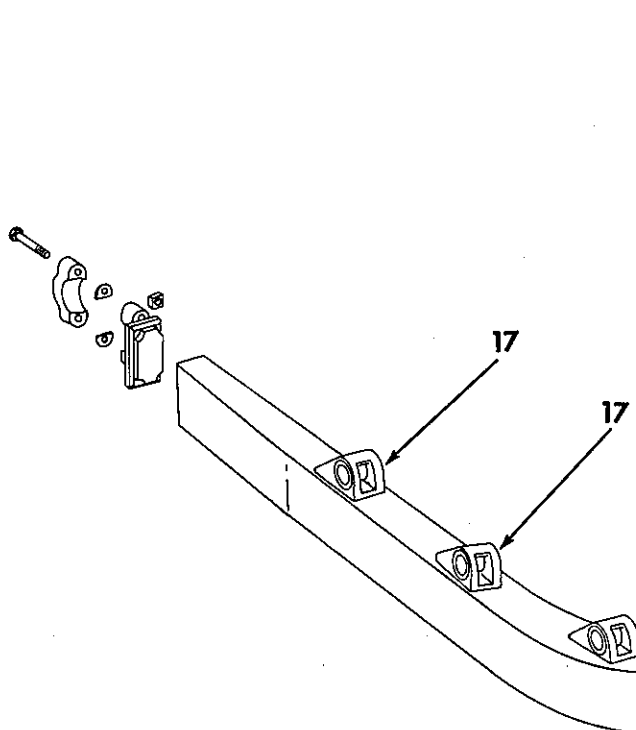
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	20 278 R1	BOLT, trunnion bearing cap (4)
2	290 255 R1	CAP, trunnion bearing (2)
3	290 257 R1	SHIM, trunnion bearing cap (16)
4	290 256 R2	NUT, trunnion bearing cap bolt (4)
5	608 024 C91	BRACKET, upper strut
6	608 094 C1	BEARING, trunnion (2)
7	608 097 C91	ARM ASSY, LH push (Composed of - § 1 ARM 1 BEARING 608 094 C1 2 BOLT 20 278 R1 1 BRACKET 608 023 C91 1 BRACKET 608 027 C91 1 CAP 290 255 R1 2 NUT 290 256 R2 1 PIVOT 320 726 R11 8 SHIM 290 257 R1)
8	608 023 C91	BRACKET, upper strut

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	315 506 R1 9 413 956 179 894	PIN, strut bracket (4) NUT, stover lock (4) 1/2 x 3-1/4" hex-hd cap SCREW (4)
10	608 027 C91	BRACKET, diagonal strut
11	290 267 R2	BUSHING, pusharm pivot (2)
12	320 726 R11	PIVOT w/BUSHING, 290 267 R2, pusharm (2)
13	608 098 C91	ARM ASSY, RH push (Composed of - § 1 ARM 1 BEARING 608 094 C1 2 BOLT 20 278 R1 1 BRACKET 608 024 C91 1 BRACKET 608 028 C91 1 CAP 290 255 R1 2 NUT 290 256 R2 1 PIVOT 320 726 R11 8 SHIM 290 257 R1)
14	608 028 C91	BRACKET, diagonal strut

§ - Not Furnished Separately.

**CABLE
BULLGRADERS AND BULLDOZERS**

BULLGRADER "C" FRAME
(Cable)
(For Model G-1, G-2 and G-3)



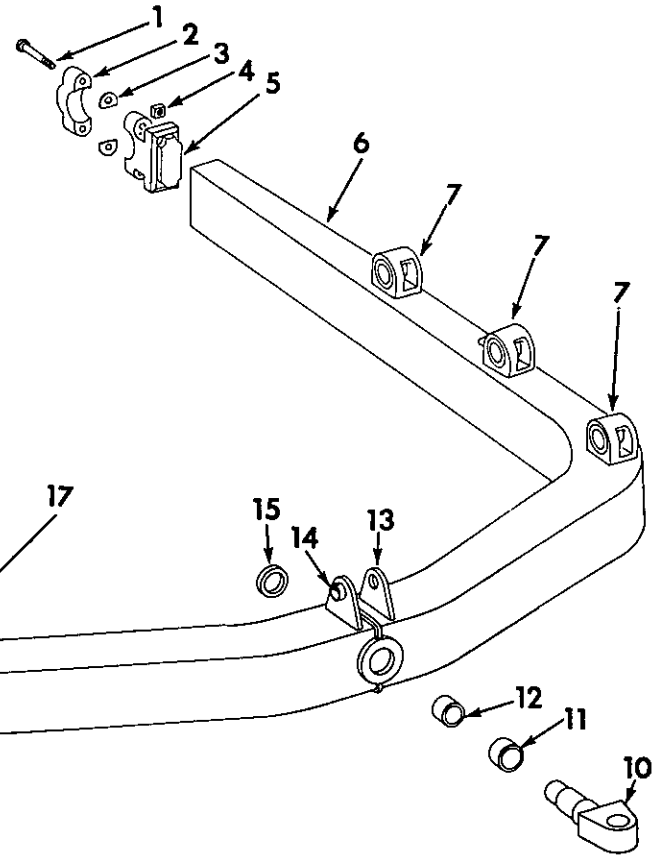
IPA-67662 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	18 307 R1	SCREW, 1 x 6" hex-hd cap (4) TD-15BP 1 6001 to # TD-15BG 2 7260 to #
1	20 278 R1	SCREW, 1 x 6" hex-hd cap (4) TD-15BP 1 # up TD-15BG 2 # up
2	290 255 R1	CAP, trunnion bearing (2)
3	290 257 R1	SHIM, trunnion bearing (16)
4	290 256 R2	NUT, 1" (4)
5	342 211 R1	BEARING, trunnion (2)
6	626 577 C91	"C" FRAME, basic service (used when "C" FRAME 613 012 C91 is replaced)
6	335 362 R91	"C" FRAME ASSEMBLY w/CAPS (Order 613 012 C91 For Cable Lift Application)
6	613 012 C91	"C" FRAME w/TRUNNION BEARING CAPS, cable (Order the following parts - 2 BEARING 342 211 R1 4 BOLT 20 278 R1 3 BRACKET 293 998 R1 3 BRACKET 293 999 R1 1 BUSHING 319 470 R1 1 BUSHING 319 471 R1 1 "C" FRAME 626 577 C91 2 CAP 290 255 R1 4 NUT 290 256 R2

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**CABLE
BULLGRADERS AND BULLDOZERS**

BULLGRADER "C" FRAME - CONTINUED
(Cable)
(For Model G-1, G-2 and G-3)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	613 012 C91	"C" FRAME w/TRUNNION BEARING CAPS, cable - Continued (Order the following parts - Continued 1 PIN 319 468 R2 2 PLATE 335 370 R1 1 RING 319 469 R1 16 SHIM 290 257 R1 1 TUBE 289 822 R1)
7	293 998 R1	BRACKET, LH strut (3)
10	319 468 R1	PIN, crosshead swivel (Order PIN, 620 911 C1 and BUSHING, 620 912 C1)
10	620 911 C1	PIN, crosshead swivel (Together with BUSHING, 620 912 C1 will work for PIN, 319 468 R1)
11	319 470 R1	BUSHING, crosshead swivel pin (large) (Order BUSHING, 620 912 C2 and PIN, 620 911 C1)
11	620 912 C2	BUSHING, crosshead swivel pin (Together with PIN 620 911 C1 will work for BUSHING, 319 470 R1)
12	319 471 R1	BUSHING, crosshead swivel pin (small)
13	335 370 R1	PLATE, cable lift lug (2)
14	289 822 R1	TUBE, locking
15	319 469 R1	RING, retainer
17	293 999 R1	BRACKET, RH strut (3)

- Serial Number Not Yet Available.

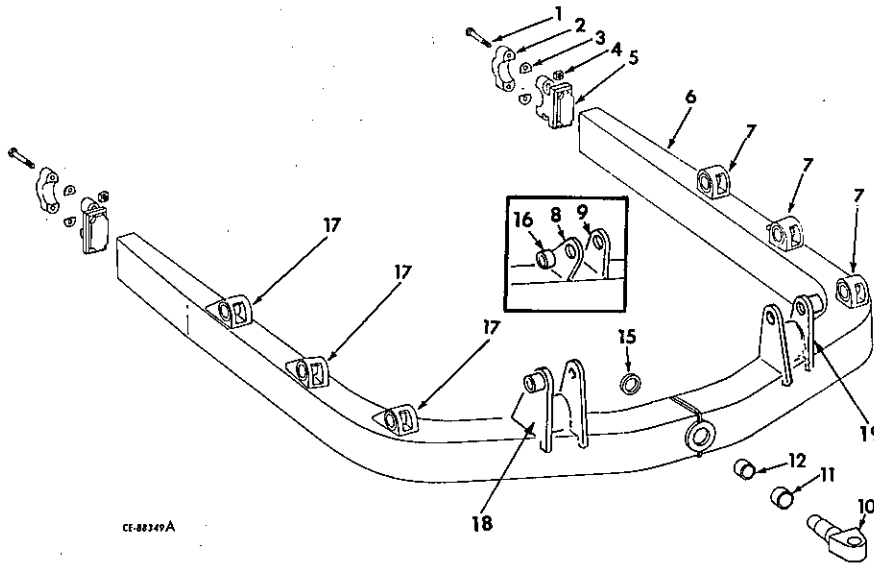
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HYDRAULIC BULLGRADER AND BULLDOZER

BULLGRADER "C" FRAME
(Hydraulic)
(For Model G-1, G-2 and G-3)

HYDRAULIC BULLGRADER AND BULLDOZER

BULLGRADER "C" FRAME- CONTINUED
(Hydraulic)
(For Model G-1, G-2 and G-3)



CF-88349A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	18 307 R1	SCREW, hex-hd cap (4) TD-15BP 6001 to # (4) TD-15BG 7260 to #
1	20 278 R1	SCREW, hex-hd cap (4) TD-15BP # up (4) TD-15BG # up
2	290 255 R1	CAP, trunnion bearing (2)
3	290 257 R1	SHIM, trunnion bearing (16)
4	290 256 R2	NUT, 1" (4)
5	342 211 R1	BEARING, trunnion (2)
6	335 362 R91	"C" FRAME ASSEMBLY w/CAPS (Order 613 010 C91 for hydraulic lift application)
6	613 010 C91	"C" FRAME w/TRUNNION BEARING CAPS, hydraulic TD-15BP 6001 to 25000 TD-15BG 7260 to 25000 (Order the following parts - 3 BRACKET 293 998 R1 3 BRACKET 293 999 R1 1 "C" FRAME 346 050 R91 1 DRAWING IZG-6239 2 PLATE 335 368 R1 2 PLATE 335 369 R1 2 TUBE 319 463 R1)
6	346 050 R91	"C" FRAME w/TRUNNION BEARING CAPS, hydraulic TD-15BP 6001 to 25000 TD-15BP 7260 to 25000 (Consists of - 2 BEARING 342-211 R1 4 BOLTS 20 278 R1 2 CAP 290 255 R1 4 NUT 290 256 R2 1 PIN 319 468 R1 1 PLATE 319 469 C1 16 SHIM 290 257 R1)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	620 949 C91	"C" FRAME w/TRUNNION BEARING CAPS, hydraulic TD-15BP 25001 up TD-15BG 25001 up (Composed of - 2 BEARING 342 211 R1 2 BOLT 20 278 R1 3 BRACKET 293 998 R1 3 BRACKET 293 999 R1 1 BRACKET 618 573 C1 1 BRACKET 618 574 C1 1 BUSHING 319 470 R1 1 BUSHING 319 471 R1 2 CAPS 290 255 R1 § 1 FRAME 2 NUTS 290 256 R1 1 PIN 319 468 R2 1 RING 319 469 R1 16 SHIMS 290 257 R1)
7	293 998 R1	BRACKET, LH strut (3)
8	335 369 R1	PLATE, hydraulic bracket outer (2)- TD-15BP 6001 to 25000 TD-15BG 7260 to 25000
9	335 368 R1	PLATE, hydraulic bracket inner (2) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000
10	319 468 R1	PIN, crosshead swivel (Order PIN, 620 911 C1 and BUSHING, 620 912 C1)
10	620 911 C1	PIN, crosshead swivel (Together with BUSHING, 620 912 C1 will work for PIN, 319 468 R1)
11	319 470 R1	BUSHING, crosshead swivel pin (large) (Order BUSHING, 620 912 C2 and PIN, 620 911 C1)
11	620 912 C2	BUSHING, crosshead swivel pin (Together with PIN, 620 911 C1 will work for BUSHING, 319 470 R1)
		# - Serial Number Not Yet Available. § - Not Furnished Separately.

HYDRAULIC BULLGRADER AND BULLDOZER

MEMORANDA

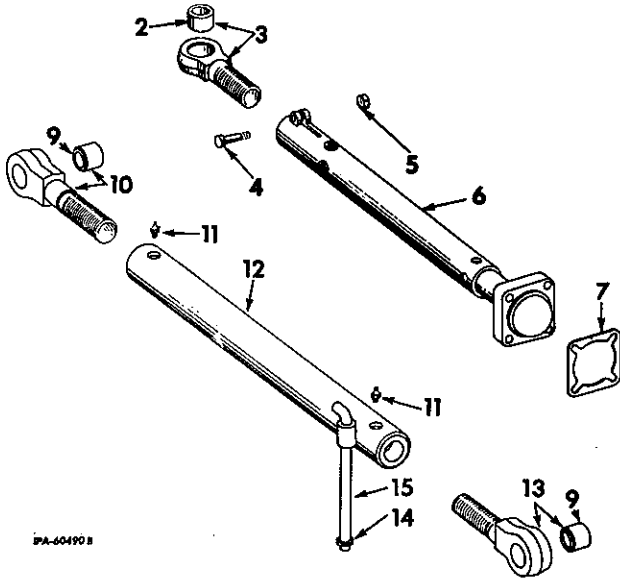
REF. NO.	I. M. PART NUMBER	DESCRIPTION
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BULLGRADER "C" FRAME - CONTINUED
(Hydraulic)
(For Model G-1, G-2 and G-3)

12	319 471 R1	BUSHING, crosshead swivel pin (small)
15	319 469 R1	RING, retainer
16	319 463 R1	TUBE, locking (2) TD-15BP 6001 to 25000 TD-15BG 7260 to 25000
17	293 999 R1	BRACKET, RH strut (3)
18	618 574 C1	BRACKET, (RH) hydraulic lift TD-15BP 25001 up TD-15BG 25001 up
19	618 573 C1	BRACKET, (LH) hydraulic lift TD-15BP 25001 up TD-15BG 25001 up

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

BULLDOZER STRUTS (Cable and Hydraulic)



PA-60490 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicate the part is used for all bulldozer struts listed below: Letters A, B, C and D are used to identify separate bulldozer struts.
A		STRUT, bulldozer blade upper (Not for units equipped with Semi "U" blade)
B		STRUT, bulldozer blade upper (For units equipped with Semi "U" blade)
C		STRUT, bulldozer blade diagonal (Not for units equipped with Semi "U" blade)
D		STRUT, bulldozer blade diagonal (For units equipped with Semi "U" blade)
2	290 290 R2	BUSHING, diagonal strut eyebolt (2 for Struts C and D)
3	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, diagonal strut (2 for Struts C and D)
4	223 441	SCREW, 5/8 x 3-1/4" hex-hd cap (2 for Struts C and D)
5	9 412 231	NUT, 5/8" stover lock (2 for Struts C and D)
6	320 761 R12	STRUT, diagonal (2 for Strut C)
6	320 877 R11	STRUT, diagonal (2 for Strut D)
7	320 764 R1 271 614	SHIM, diagonal strut (8 for Struts C and D) 3/4 x 2-3/4" hex-hd cap SCREW (8)
9	290 290 R2	BUSHING, upper strut eyebolt (4)
10	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2)
11	109 461	FITTING, lubrication (4)
12	315 176 R11	STRUT, upper (2 for Strut A)

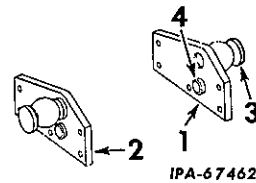
CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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BULLDOZER STRUTS - CONTINUED (Cable and Hydraulic)

12	608 100 C11	STRUT, upper (2 for Strut B)
13	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut front (2)
14	M 73 125	TUBE, upper strut locking pin (1 x 3/8" long) (4)
15	315 177 R1	PIN, upper strut locking (2)

TRUNNIONS



IPA-67462

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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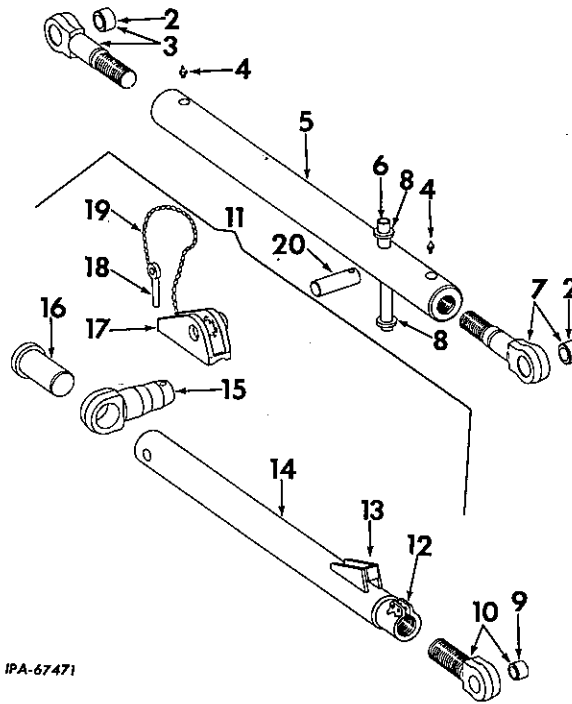
1	320 786 R91	TRUNNION, 294 552 R1 w/PILOT, 294 555 R1, LH (For Models 15B D-1, 15B D-2, 15B D-3, 15B G-1, 15B G-2, 15B G-3; Serial Numbers TD-15BP 6001 to 20132, TD-15BG 7260 to 20132) (For Model 15B D-2, Serial Numbers TD-15BP 20133 to 25000, TD-15BG 20133 to 25000) 7/8 x 3" hex-hd cap SCREW (6)
1	701 655 C91	TRUNNION, 294 552 R1 w/PILOT 294 555 R1 (LH for Model 15B D-2 RH for Model 15B G-2 Serial Numbers TD-15BP 25001 up, TD-15BG 25001 up) 7/8 x 3" hex-hd cap SCREW (5)
1	320 733 R91	TRUNNION, 294 552 R1 w/PILOT 294 555 R1 (For Model 15B D-1, 15B D-3, 15B G-1, 15B G-3; Serial Numbers TD-15BP 20133 up, TD-15BG 20133 up) (2) 7/8 x 3" hex-hd cap SCREW (5)
2	320 787 R91	TRUNNION, 294 552 R1 w/PILOT, 294 555 R1, RH (For Models 15B D-1, 15B D-2, 15B D-3, 15B G-1, 15B G-2, 15B G-3; Serial Numbers TD-15BP 6001 to 20132, TD-15BG 7260 to 20132) (For Model 15B D-2, Serial Numbers TD-15BP 20133 to 25000, TD-15BG 20133 to 25000) 7/8 x 3" hex-hd cap SCREW (6)
2	701 656 C91	TRUNNION, 294 552 R1 w/PILOT, 294 555 R1, (RH for Model 15D-2 LH for Model 15B G-2 Serial Numbers TD-15BP 25001 up, TD-15BG 25001 up) 7/8 x 3" hex-hd cap SCREW (5)
3	294 552 R1	TRUNNION (2)
4	294 555 R1	PILOT, trunnion (2)

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

BULLGRADER STRUTS

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

BULLGRADER STRUTS -- CONTINUED



REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	290 290 R2	BUSHING, strut eyebolt (4)
3	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2)
4	109 461	FITTING, 1/8" lubrication (4)
5	315 182 R2	BODY, upper strut (2)
6	323 647 R1	BAR, lock (2)
7	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut, front (2)
8	M 73 125	TUBE, strut locking pin (1 x 3/8" long) (4)
9	290 290 R2	BUSHING, strut eyebolt (2)
10	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, lower strut (2)
	102 639	5/8" NUT (4)
	271 563	5/8 x 2-1/4" hex-hd cap SCREW (4)

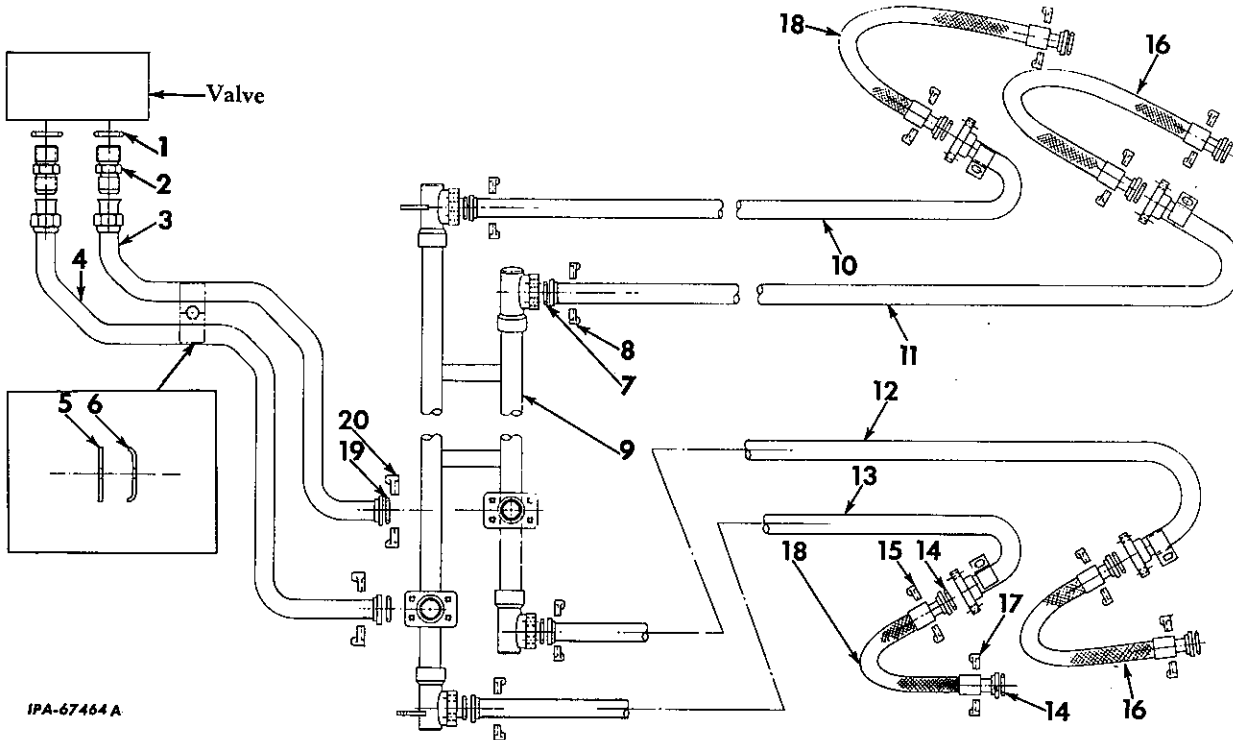
REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	315 475 R92	STRUT ASSEMBLY, lower LH
11	315 476 R92	STRUT ASSEMBLY, lower RH
12	290 283 R2	NUT, lower strut (2)
13	323 642 R11	RETAINER, strut lock (2)
14	290 532 R2	BODY, lower strut (2)
15	290 284 R1	TRUNNION (2)
16	290 285 R1	PIN, trunnion swivel (2)
17	315 445 R91	BRACKET, lower strut LH
17	315 446 R91	BRACKET, lower strut RH
18	19 643 R1	PIN, trunnion (2)
19	290 287 R2	CHAIN, trunnion (2)
20	315 103 R1	PIN, upper strut rear (2)
	9 413 941	NUT, 1/2" stover lock (2)
	179 893	1/2 x 3" hex-hd cap SCREW (2)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING - CONTINUED
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134



IPA-67464 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (2)
2	342 489 R1	CONNECTOR, straight thread boss (2)
3	342 312 R91	TUBE, raise
4	342 313 R91	TUBE, lower
5	342 314 R1	SPACER
6	333 506 R1 102 637 179 893 103 323	CLAMP, tube 1/2" NUT 1/2 x 3" hex-hd cap SCREW 1/2" lock WASHER
7	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (4)
8	295 698 R1 179 841 103 321	CLAMP-HALF, hose (split-flange) (1") (8) 3/8 x 1-1/4" hex-hd cap SCREW (16) 3/8" lock WASHER (16)
9	342 315 R91 102 635 179 841 103 321 103 341	MANIFOLD, lift circuit 3/8" NUT (2) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16 x 16 ga WASHER (4)
10	342 318 R91 179 881 103 323	TUBE, LH cylinder head end 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER
11	342 316 R91	TUBE, LH cylinder rod end
12	342 317 R91	TUBE, RH cylinder rod end

REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	342 319 R91 179 881 103 323	TUBE, RH cylinder head end 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER
14	380 794 R1	"O" RING, 1 x 1-1/4 x 1/8" (8)
15	283 172 R1 102 635 179 843 179 841 103 321	CLAMP-HALF, hose (split-flange) (1") (8) 3/8" NUT (8) 3/8 x 1-1/2" hex-hd cap SCREW (8) 3/8" x 1-1/4" hex-hd cap SCREW (8) 3/8" lock WASHER (16)
16	343 519 R91	HOSE w/two FITTING, 306 356 R91 (rod end) (HOSE, 3/4" ID x 38" long including FITTINGS) (2)
16	306 356 R91 313 244 R1	HOSE w/o FITTINGS, cut length 3/4" ID x 35" long cut from bulk HOSE No. 313 244 R1 FITTING, straight split flange (4) HOSE, 3/4" ID bulk (X)
17	283 172 R1 102 635 179 843 179 841 103 341	CLAMP-HALF, hose (split-flange) (1") (8) 3/8" NUT (8) 3/8 x 1-1/2" hex-hd cap SCREW (8) 3/8 x 1-1/4" hex-hd cap SCREW (8) 3/8" lock WASHER (16)
18	347 019 R91	HOSE w/two FITTING, 306 356 R91 (head end) (HOSE, 3/4" ID x 31" long including FITTINGS) (2)

(X) - Order Cut Length As Required.

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC PIPING - CONTINUED
 TD-15BP 6001 to 20134
 TD-15BG 7260 to 20134

18		HOSE w/o FITTINGS, cut length 3/4" ID x 28" long cut from bulk HOSE, No. 313 244 R1
	306 356 R91	FITTING, straight split flange (4)
	313 244 R1	HOSE, 3/4" ID bulk (X)
19	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8" (2)
20	290 045 R1	CLAMP-HALF, hose (split-flange) (4)
	179 862	7/16 x 1-1/2" hex-hd cap SCREW (8)
	103 322	7/16" lock WASHER (8)
	342 310 R21	COVER (mounted on fenders over tubes)
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	333 279 R1	PLATE, clamp mounting (2)
9	413 953	NUT, 3/8" stover lock (2)
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (4)
	179 847	3/8 x 2" hex-hd cap SCREW (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 321	3/8" lock WASHER (6)
	333 280 R91	TUBE, head end (LH)
	333 281 R91	TUBE, head end (RH)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (8)
	103 321	3/8" lock WASHER (8)
	333 282 R91	TUBE, rod end (LH)
	333 283 R91	TUBE, rod end (RH)
	186 284	3/8 x 3-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)

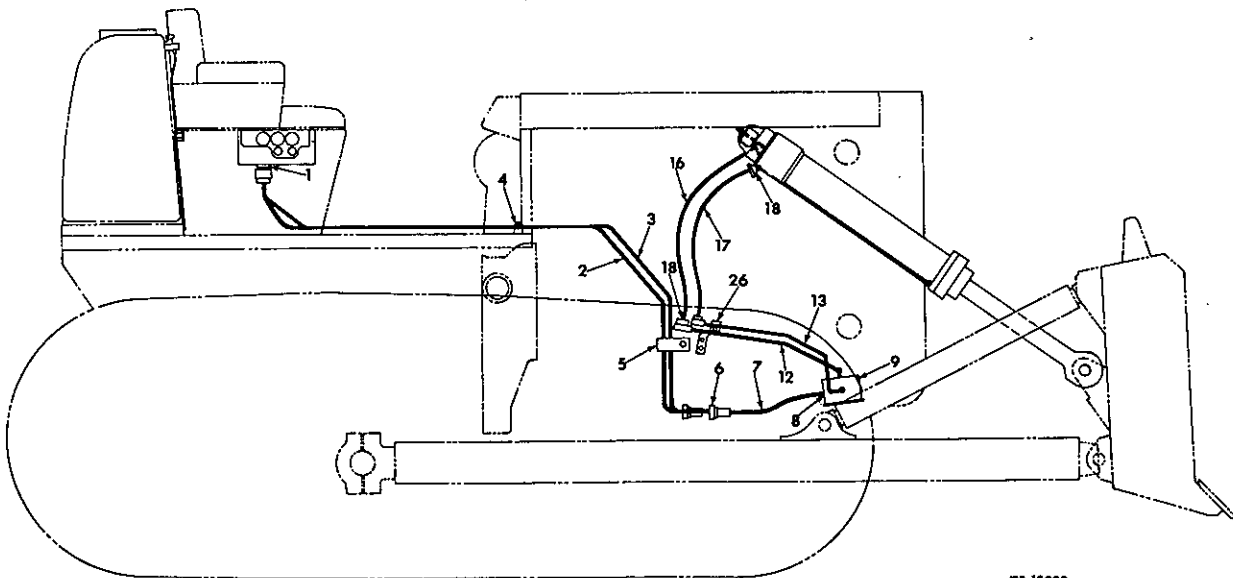
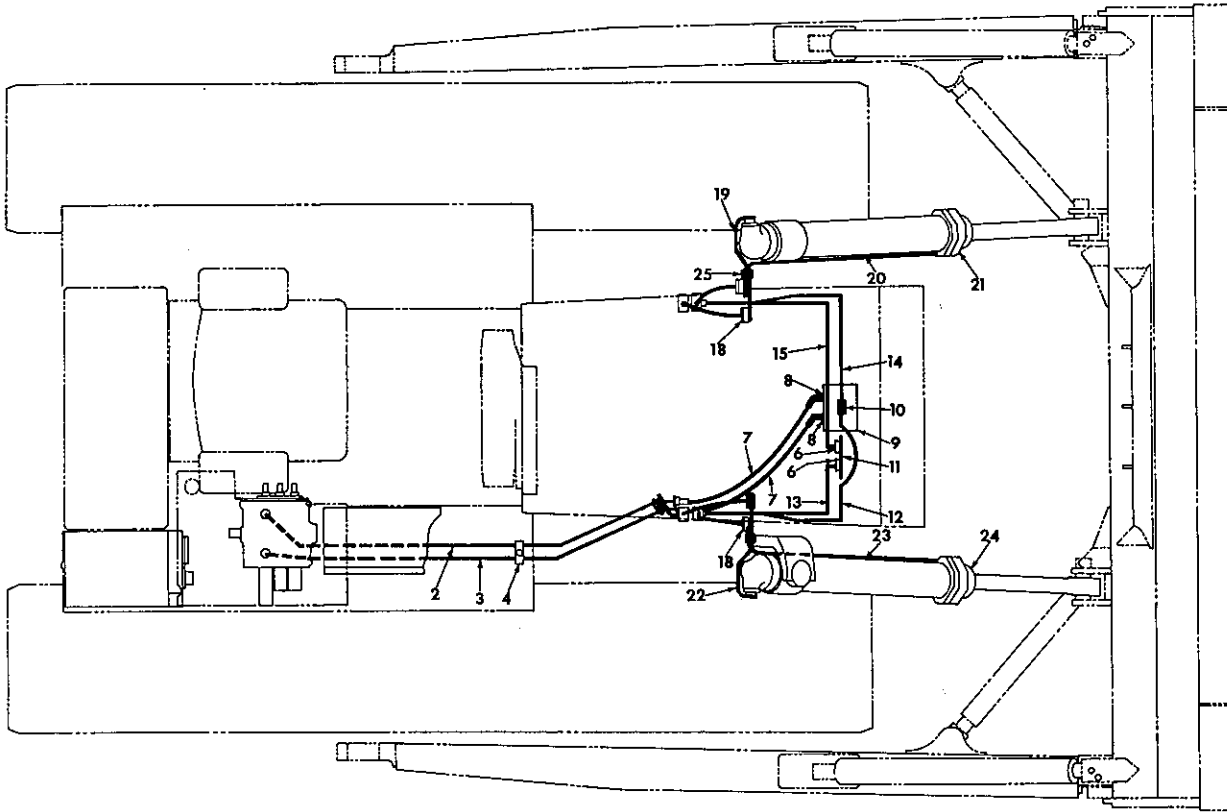
(X) - Order Cut Length As Required.

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING
(For Units With Field Conversion Packages, 608 978 C92
and 608 981 C91)
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING - CONTINUED
(For Units With Field Conversion Packages, 608 978 C92
and 608 981 C91)
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134



SIDE VIEW

#8-13090

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED (For Units With Field Conversion Packages, 608 978 C92 and 608 981 C91) TD-15BP 6001 to 20134 TD-15BG 7260 to 20134		
	608 978 C93	PACKAGE, hydraulic blade piping field conversion (to convert Model 15B G-2 crawler tractors from regular hydraulic piping to quick drop type piping)
	608 981 C92	PACKAGE, hydraulic blade piping field conversion (to convert Model 15B D-2 crawler tractors from regular hydraulic piping to quick drop type piping) (Consists of the following parts -
1	9 410 207 296 247 R1	CONNECTOR, tube (2) "O" RING, 1.171 x 1.403 x .116" (2)
2	611 690 C91	TUBE, valve to hose (inner)
3	611 691 C91	TUBE, valve to hose (outer)
4	333 506 R1 342 314 R1 102 637 179 893 103 323	CLAMP, tube SPACER, tube clamp 1/2" NUT 1/2 x 3" hex-hd cap SCREW 1/2" lock WASHER
5	611 603 C1 333 506 R1 102 637 179 883 179 890 103 323 103 343	BRACKET, angle CLAMP, bracket angle 1/2" NUT 1/2 x 1-1/4" hex-hd cap SCREW 1/2 x 2-1/4" hex-hd cap SCREW 1/2" lock WASHER (2) 17/32 x 1-1/16 x 13 ga WASHER (2)
6	295 698 R1 343 906 R1 179 841 103 321	CLAMP-HALF, split flange (8) "O" RING, 1-5/16 x 1-9/16 x 1/8" (4) 3/8 x 1-1/4" hex-hd cap SCREW (16) 3/8" lock WASHER (16)
7	610 433 C91	HOSE w/FITTING, 313 432 R91 and FITTING, 310 920 R91, tube to quick drop valve (HOSE, 1" ID x 26" long including FITTINGS) (2)
7		HOSE w/o FITTINGS, cut length 1" ID x 21" long cut from bulk HOSE No. 313 245 R1
	313 432 R91	FITTING, 60" split flange hose (at valve) (Aeroquip No. 4760-20-16) (2)
	310 920 R91	FITTING, straight split flange hose (at tube) (Aeroquip No. 4744-16S) (2)
8	290 045 R1 343 909 R1 179 862 103 322	CLAMP-HALF, split flange (4) "O" RING, 1-1/2 x 1-3/4 x 1/8" (2) 7/16 x 1-1/2" hex-hd cap SCREW (8) 7/16" lock WASHER (8)
9		VALVE ASSY, quick drop (for components - see list of parts under details of "Quick Drop Valve")
	9 413 954 190 909	NUT, stover lock (3) 7/16 x 5" hex-hd cap SCREW (3)
10	9 411 122 296 247 R1	TEE, valve "O" RING, 1.171 x 1.403 x .116"
11	608 362 C91 301 844 R1 343 921 R1 179 885 103 323	MANIFOLD, tube CLAMP-HALF, split flange (2) "O" RING, 1-7/8 x 2-1/8 x 1/8" 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)

**CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED (For Units With Field Conversion Packages, 608 978 C92 and 608 981 C91) TD-15BP 6001 to 20134 TD-15BG 7260 to 20134		
12	608 358 C91	TUBE, RH head
13	608 356 C91	TUBE, RH rod
14	608 357 C91	TUBE, LH head
15	608 355 C91	TUBE, LH rod
16	606 882 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (head end) (HOSE, 3/4" ID x 33-1/2" long including FITTINGS) (2)
16		HOSE w/o FITTINGS, cut length 3/4" ID x 30" long cut from bulk HOSE No. 313 244 R1
	306 356 R91	FITTING, straight split flange hose (Aeroquip No. 4744-12) (4)
17	606 880 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (rod end) (HOSE, 3/4" ID x 28" long including FITTINGS) (2)
17		HOSE w/o FITTINGS, cut length 3/4" ID x 25" long cut from bulk HOSE No. 313 244 R1
	306 356 R91	FITTING, straight split flange hose (Aeroquip No. 4744-12) (4)
18	283 172 R1 380 794 R1 179 841 103 321	CLAMP-HALF, split flange (16) "O" RING, 1 x 1-1/4 x 1/8" (8) 3/8 x 1-1/4" hex-hd cap SCREW (32) 3/8" lock WASHER (32)
19	608 352 C91	TUBE, LH cylinder head (furnished as part of PACKAGE, 608 978 C93)
19	608 372 C91	TUBE, LH cylinder head (furnished as part of PACKAGE, 608 981 C92)
	343 906 R1 179 841 103 321	"O" RING, 1-5/16 x 1-9/16 x 1/8" 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
20	608 348 C92	TUBE, LH cylinder rod (furnished as part of PACKAGE, 608 978 C93)
20	608 370 C91	TUBE, LH cylinder rod (furnished as part of PACKAGE, 608 981 C92)
	608 350 C1 608 351 C1 343 905 R1 179 839 186 284 103 321	CLAMP, tube inner CLAMP, tube outer "O" RING, 1-1/8 x 1-3/8 x 1/8" 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 3-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (4)
21		CYLINDER, LH hydraulic (for components - see list of parts under details of "Hydraulic Cylinder")
22	608 353 C91	TUBE, RH cylinder head (furnished as part of PACKAGE, 608 978 C93)
22	608 373 C91	TUBE, RH cylinder head (furnished as part of PACKAGE, 608 981 C92)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
23	608 349 C92	TUBE, RH cylinder rod (furnished as part of PACKAGE, 608 978 C93)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC PIPING - CONTINUED

(For Units With Field Conversion Packages, 608 978 C92 and 608 981 C91)

TD-15BP 6001 to 20134
TD-15BG 7260 to 20134

23	608 371 C91	TUBE, RH cylinder rod (furnished as part of PACKAGE, 608 981 C92)
	608 350 C1	CLAMP, tube inner
	608 351 C1	CLAMP, tube outer
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
24		CYLINDER, RH hydraulic (for components see list of parts under details of "Hydraulic Cylinder")
25	608 354 C1	CLAMP, tube (4)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	102 635	3/8" NUT (2)
	103 321	3/8" lock WASHER (2)
26	608 359 C1	BRACKET, LH lift tube
26	608 360 C1	BRACKET, RH lift tube
	608 361 C1	CLAMP (2)
	102 635	3/8" NUT (2)
	315 972 R1	SPACER (4)
	179 843	3/8 x 1-1/2" hex-hd cap SCREW (4)
	179 847	3/8 x 2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga WASHER (6)
	608 366 C91	BRACKET, valve mounting
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	102 637	1/2" NUT (2)
	103 323	1/2" lock WASHER (2)
	342 310 R21	COVER, tube (on RH fender)
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	313 244 R1	HOSE, 3/4" ID bulk (X)
	313 245 R1	HOSE, 1" ID bulk (X)

(X) - Order Cut Length As Required.

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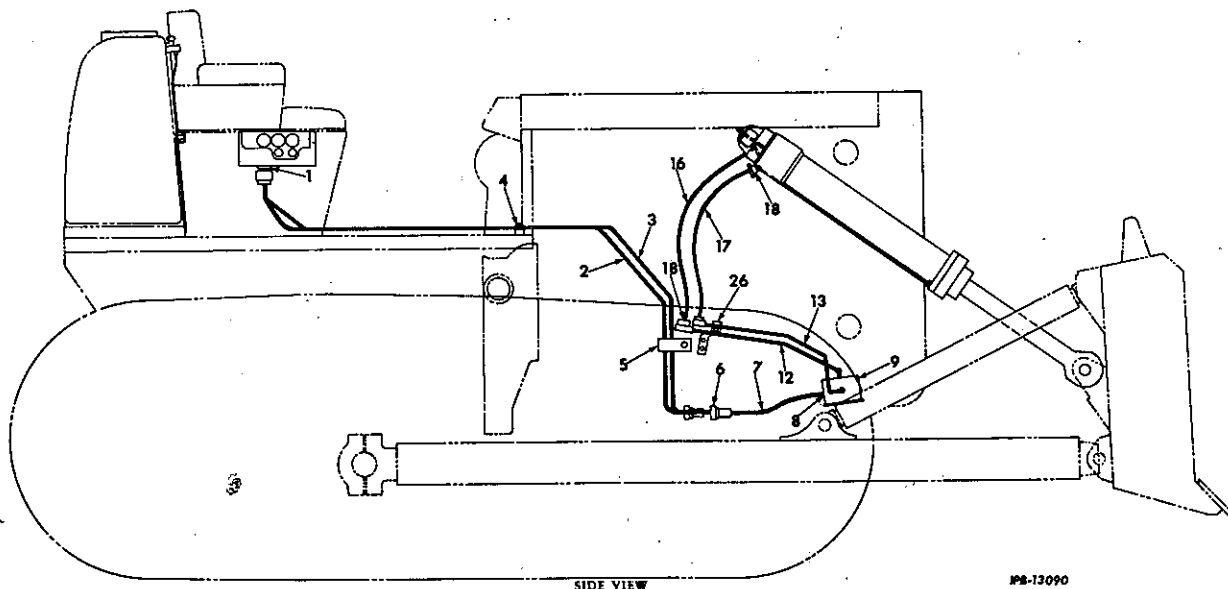
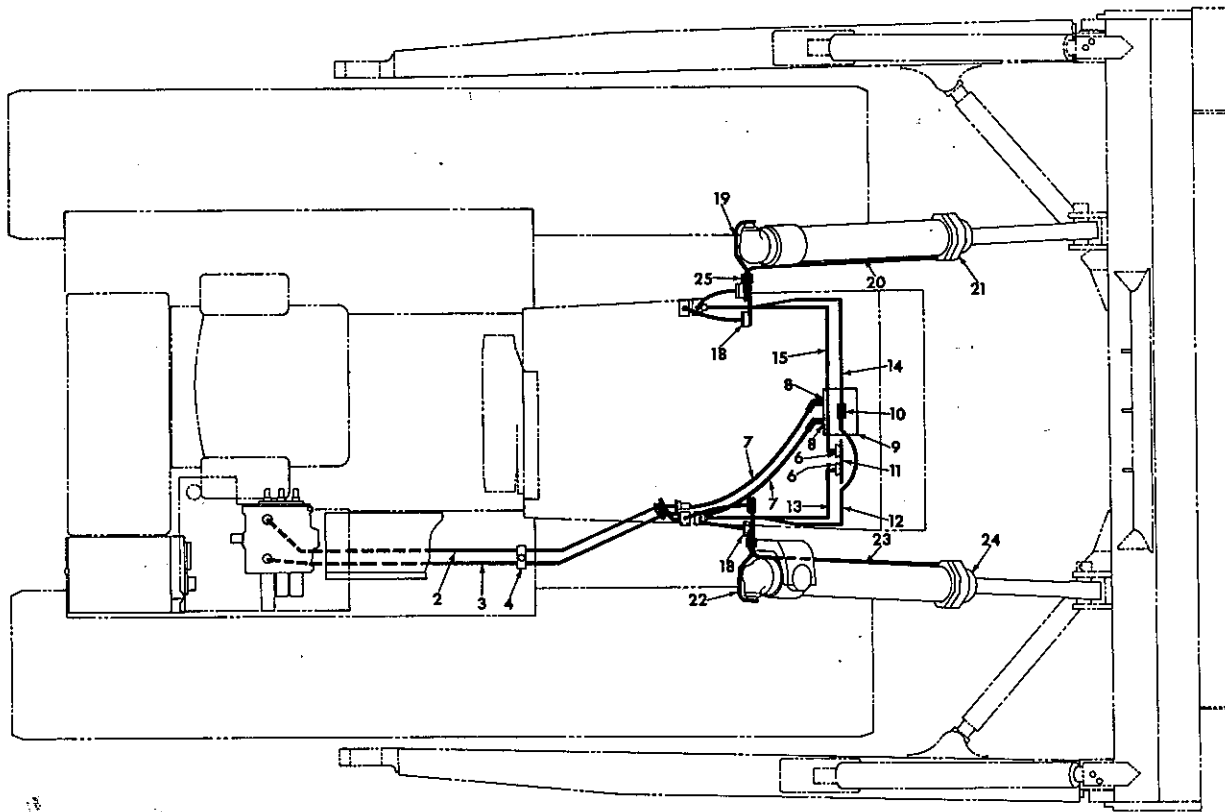
MEMORANDA

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING
TD-15BG 20135 up

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING - CONTINUED
TD-15BG 20135 up



SIDE VIEW

PS-13090

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING -- CONTINUED		
TD-15BG 20135 up		
1	9 410 207 296 247 R1	CONNECTOR, tube (2) "O" RING, 1.171 x 1.403 x .116" (2)
2	611 690 C91	TUBE, valve to hose (inner) TD-15BG 20135 to 22000
2	701 920 C1	TUBE, valve to hose (inner) TD-15BG 22001 up
3	611 691 C91	TUBE, valve to hose (outer) TD-15BG 20135 to 22000
3	701 921 C1	TUBE, valve to hose (outer) TD-15BG 22001 up
4	333 506 R1 102 637 179 893 342 314 R1 102 637	CLAMP, tube 1/2" NUT 1/2 x 3" hex-hd cap SCREW SPACER, tube clamp 1/2" lock WASHER
5	611 603 C1 333 506 R1 102 637 179 883 179 890 102 637 103 343	BRACKET, angle CLAMP, bracket angle 1/2" NUT 1/2 x 1-1/4" hex-hd cap SCREW 1/2 x 2-1/4" hex-hd cap SCREW 1/2" lock WASHER (2) 17/32 x 1-1/16" x 16 ga WASHER (2)
6	295 698 R1 343 906 R1 179 841 103 321	CLAMP-HALF, split flange (8) "O" RING, 1-5/16 x 1-9/16 x 1/8" (4) 3/8 x 1-1/4" hex-hd cap SCREW (16) 3/8" lock WASHER (16)
7	610 433 C91	HOSE w/FITTING, 313 432 R91 and FITTING, 310 920 R91 tube to quick drop valve (HOSE, 1" ID x 26" long including FITTINGS) (2)
7	313 432 R91 310 920 R91	HOSE w/o FITTINGS, cut length 1" ID x 21" long cut from bulk HOSE, 313 245 R1 FITTING, 60° split flange hose (at valve) (2) FITTING, straight split flange hose (at tube) (Aeroquip No. 4744-16S) (2)
8	290 045 R1 343 909 R1 179 862 103 322	CLAMP-HALF, split flange (4) "O" RING, 1-1/2 x 1-3/4 x 1/8" (2) 7/16 x 1-1/2" hex-hd cap SCREW (8) 7/16" lock WASHER (8)
9		VALVE ASSY, quick drop (For components see list of parts under details of "Quick Drop Valve")
10	9 411 122 296 247 R1	TEE, valve "O" RING, 1.171 x 1.403 x .116"
11	608 362 C91 301 844 R1 343 921 R1 179 885 103 323	MANIFOLD, tube CLAMP-HALF, split flange (2) "O" RING, 1-7/8 x 2-1/8 x 1/8" 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
12	608 358 C91	TUBE, RH head TD-15BG 20135 to 25000
12	701 677 C1	TUBE, RH head TD-15BG 25001 up
13	608 356 C91	TUBE, RH rod TD-15BG 20135 to 25000
13	701 675 C1	TUBE, RH rod TD-15BG 25001 up
14	608 357 C91	TUBE, LH head TD-15BG 20135 to 25000
14	701 676 C1	TUBE, LH head TD-15BG 25001 up

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING -- CONTINUED		
TD-15BG 20135 up		
15	608 355 C91	TUBE, RH rod TD-15BG 20135 to 25000
15	701 665 C1	TUBE, LH rod TD-15BG 25001 up
16	606 882 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (head end) (HOSE, 3/4" ID x 33-1/2" long including FITTINGS) (2) TD-15BG 20135 to 25000
16	306 356 R91	HOSE w/o FITTINGS, cut length 3/4" ID x 30" long cut from bulk HOSE, 313 244 R1 FITTING, straight split flange hose (4)
16	619 625 C91	HOSE w/FITTING, 313 426 R91 and FITTING, 306 356 R91 tube to cylinder tube (head end) (HOSE 3/4" ID x 30-1/2" long including FITTINGS) (2) TD-15BG 25001 up
16	313 426 R91 306 356 R91	HOSE w/o FITTINGS, cut length 3/4" ID x 26-1/2" long cut from bulk HOSE, 313 244 R1 FITTING, split flange (2) FITTING, straight split flange (2)
17	606 880 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (rod end) (HOSE, 3/4" ID x 28" long including FITTINGS) (2) TD-15BG 20135 to 25000
17	306 356 R91	HOSE w/o FITTINGS, cut length 3/4" ID x 25" long cut from bulk HOSE, 313 244 R1 FITTING, straight split flange hose (4)
17	619 623 C91	HOSE w/FITTING, 313 426 R91 and FITTING, 306 356 R91 tube to cylinder tube (rod end) (HOSE, 3/4" ID x 25" long including FITTINGS) (2) TD-15BG 25001 up
17	313 426 R91 306 356 R91	HOSE w/o FITTING, cut length 3/4" ID x 21" long cut from bulk HOSE, 313 244 R1 FITTING, split flange (2) FITTING, straight split flange (2)
18	283 172 R1 380 794 R1	CLAMP-HALF, split flange (16) "O" RING, 1 x 1-1/4 x 1/8" (8) 3/8 x 1-1/4" hex-hd cap SCREW (32) 3/8" lock WASHER (32)
19	608 352 C91	TUBE, LH cylinder head (For bullgrader)
19	608 372 C91 343 906 R1 179 841 103 321	TUBE, LH cylinder head (For bulldozer) "O" RING, 1-5/16 x 1-9/16 x 1/8" 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
20	608 348 C92	TUBE, LH cylinder rod TD-15BG 20135 to 25000
20	623 160 C1	TUBE, LH cylinder rod (For bullgrader) TD-25BG 25001 up
20	701 667 C1 608 350 C1 608 351 C1 343 905 R1 179 839 186 282 103 321	TUBE, LH cylinder rod (For bulldozer) TD-15BG 25001 up CLAMP, tube inner CLAMP, tube outer "O" RING, 1-1/8 x 1-3/8 x 1/8" 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 3-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
21		CYLINDER, LH hydraulic (for components see list of parts under details of "Hydraulic LH Cylinder")
22	608 353 C91	TUBE, RH cylinder head (For bullgrader) (X) - Order Cut Length As Required.

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC PIPING - CONTINUED
TD-15BG 20135 up

22	608 373 C91	TUBE, RH cylinder head (For Bulldozer)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
23	608 349 C92	TUBE, RH cylinder rod TD-15BG 20135 to 25000
23	623 161 C1	TUBE, RH cylinder rod (For Bullgrader) TD-15BG 25001 up
23	701 668 C1	TUBE, RH Cylinder Rod (For Bulldozer) TD-15BG 25001 up
	608 350 C1	CLAMP, tube inner
	608 351 C1	CLAMP, tube outer
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
24		CYLINDER, RH hydraulic (for components see list of parts under details of "Hydraulic Lift Cylinder")
25	608 354 C1	CLAMP, tube (4)
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
26	608 359 C1	BRACKET, LH lift tube
	608 360 C1	BRACKET, RH lift tube
	608 361 C1	CLAMP (2)
	102 635	3/8" NUT (2)
	179 843	3/8 x 1-1/2" hex-hd cap SCREW (4)
	179 847	3/8 x 2" hex-hd cap SCREW (2)
	315 972 R1	SPACER (4)
	103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga WASHER (6)
	608 366 C91	BRACKET, valve mounting
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	342 310 R21	COVER, tube (on RH fender)
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	313 244 R1	HOSE, 3/4" ID bulk (X)
	313 245 R1	HOSE, 1" ID bulk (X)

(X) - Order Cut Length As Required.

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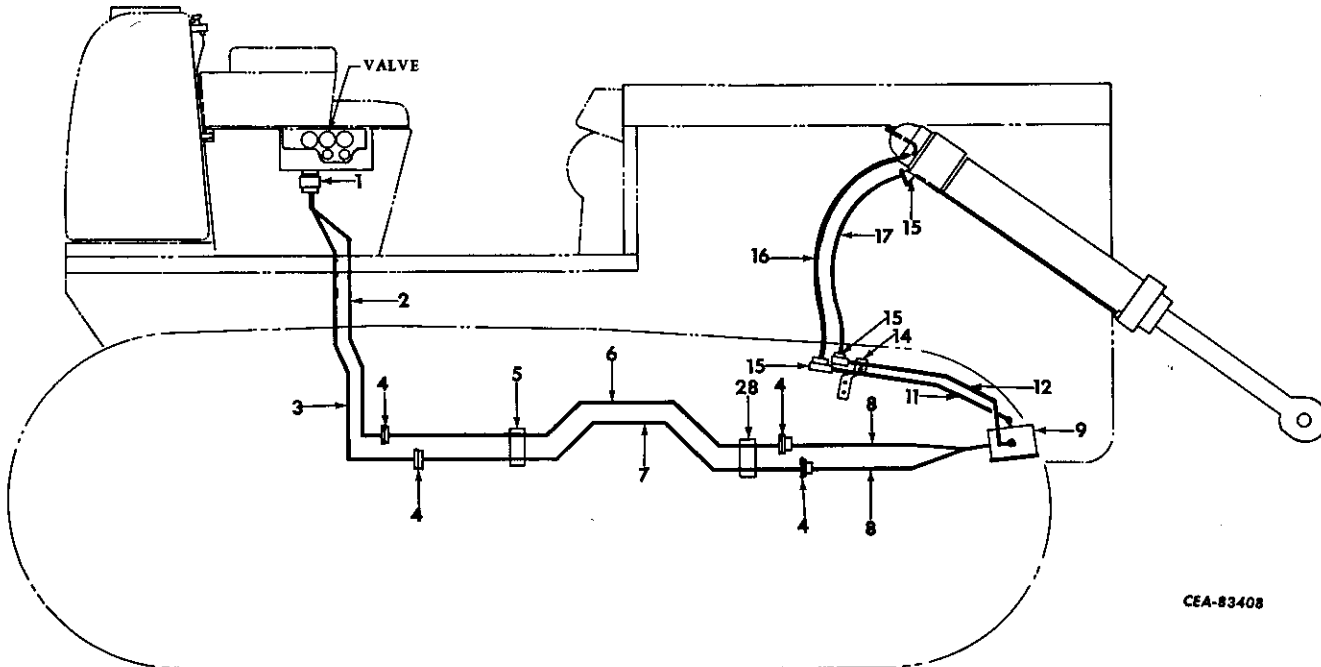
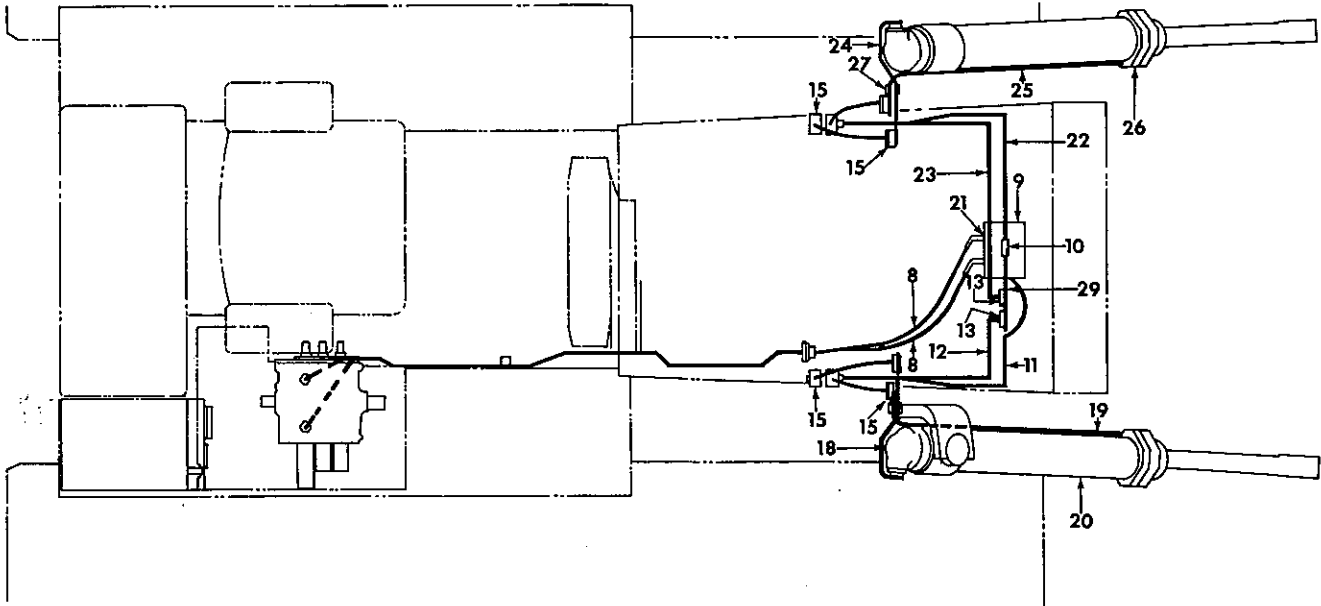
MEMORANDA

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING
TD-15BP 20135 up

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

HYDRAULIC PIPING - CONTINUED
TD-15BP 20135 up



CEA-83408

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED TD-15BP 20135 up		
1	9 410 207 296 247 R1	CONNECTOR, at valve (2) "O" RING, 1.171 x 1.403 x .116" (2)
2	611 677 C91	TUBE, outboard at valve (together with top tube 611 674 C91 will work for TUBE, 608 368 C91)
3	611 676 C91	TUBE, inboard at valve (together with bottom TUBE, 611 675 C91 will work for TUBE, 608 367 C91)
4	295 698 R1 343 906 R1 179 841 103 321	CLAMP-HALF, split flange (8) "O" RING, 1-5/16 x 1-9/16 x 1/8" (4) 3/8 x 1-1/4" hex-hd cap SCREW (16) 3/8" lock WASHER (16)
5	605 609 C1 179 847 103 321	CLAMP, tube SPACER (3/8" std. pipe x 1-9/64" long obtain locally) 3/8 x 2" hex-hd cap SCREW 3/8" lock WASHER
6	611 674 C91	TUBE, top (together with outboard at valve TUBE, 611 677 C91 will work for TUBE, 608 363 C91)
7	611 675 C91	TUBE, bottom (together with inboard at valve TUBE, 611 676 C91 will work for TUBE, 608 364 C91)
8	606 878 C91	HOSE w/FITTING, 313 432 R91 and FITTING, 310 920 R91, intermediate tube to quick drop valve (HOSE, 1" ID x 28-1/2" long including FITTINGS) (2)
8	313 432 R91 310 920 R91	HOSE w/o FITTINGS, cut length 1" ID x 23-1/2" long cut from bulk HOSE 313 245 R1 FITTING, 60° split flange hose (at valve) (Aeroquip No. 4760-20-16) (2) FITTING, straight split flange hose (at tube) (2)
9		VALVE, quick drop (For components see list of parts under details of "Quick Drop Valve")
10	9 411 122 296 247 R1	TEE, quick drop valve "O" RING, 1.171 x 1.403 x .116"
11	608 358 C91	TUBE, RH head TD-15BP 20135 to 25000
11	701 677 C1	TUBE, RH head TD-15BP 25001 up
12	608 356 C91	TUBE, RH rod TD-15BP 20135 to 25000
12	701 675 C1	TUBE, RH rod TD-15BP 25001 up
13	295 698 R1 343 906 R1 179 841 103 321	CLAMP-HALF, split flange (4) "O" RING, 1-5/16 x 1-9/16 x 1/8" (2) 3/8 x 1-1/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
14	608 359 C1	BRACKET, LH lift tube
14	608 360 C1 608 361 C1 102 635 179 843 179 847 103 321 103 341 315 972 R1	BRACKET, RH lift tube CLAMP (2) 3/8" NUT (2) 3/8 x 1-1/2" hex-hd cap SCREW (4) 3/8 x 2" hex-hd cap SCREW (2) 3/8" lock WASHER (6) 13/32 x 13/16" x 16 ga WASHER (6) SPACER (4)
15	283 172 R1 380 794 R1 179 841 103 321	CLAMP-HALF, split flange (16) "O" RING, 1 x 1-1/4 x 1/8" (8) 3/8 x 1-1/4" hex-hd cap SCREW (32) 3/8" lock WASHER (32)
16	606 882 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (head end) (HOSE, 3/4" ID x 33-1/2" long including FITTINGS) (2) TD-15BP 20135 to 25000

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED TD-15BP 20135 up		
16	306 356 R91	HOSE, w/o FITTINGS, cut length 3/4" ID x 30" long cut from bulk HOSE 313 244 R1 FITTING, straight split flange hose (4)
16	619 625 C91	HOSE w/FITTING 313 426 R91 and FITTING 306 356 R91 tube to cylinder tube (head end) (HOSE 3/4" ID x 30-1/2" long including FITTINGS) (2) TD-15BP 25001 up
16	313 426 R91 306 356 R91	HOSE w/o FITTINGS, cut length 3/4" ID x 26-1/2" long cut from bulk HOSE 313 244 R1 FITTING, split flange (2) FITTING, straight split flange (2)
17	606 880 C91	HOSE w/two FITTING, 306 356 R91, tube to cylinder tube (rod end) (HOSE, 3/4" ID x 28" long including FITTINGS) (2) TD-15BP 20135 to 25000
17	306 356 R91	HOSE w/o FITTINGS, cut length 3/4" ID x 25" long cut from bulk HOSE, 313 244 R1 FITTING, straight split flange hose (4)
17	619 623 C91	HOSE w/FITTING 313 426 R91 and FITTING 306 356 R91 tube to cylinder tube (rod end) (HOSE, 3/4" ID x 25" long including FITTINGS) (2) TD-15BP 25001 up
17	313 426 R91 306 356 R91	HOSE w/o FITTING, cut length 3/4" ID x 21" long cut from bulk HOSE 313 244 R1 FITTING, split flange (2) FITTING, straight split flange (2)
18	608 353 C91	TUBE, RH cylinder head (For Bullgrader)
18	608 373 C91 343 906 R1 179 841 103 321	TUBE, RH cylinder head (For Bulldozer) "O" RING, 1-5/16 x 1-9/16 x 1/8" 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
19	608 349 C92	TUBE, RH cylinder rod TD-15BP 20135 to 25000
19	623 161 C1	TUBE, RH cylinder rod (For Bullgrader) TD-15BP 25001 up
19	701 668 C1	TUBE, RH cylinder rod (For Bulldozer) TD-15BP 25001 up
	608 350 C1 608 351 C1 343 905 R1 179 839 186 282 103 321	CLAMP, tube inner CLAMP, tube outer "O" RING, 1-1/8 x 1-3/8 x 1/8" 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 3-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (4)
20		CYLINDER, RH hydraulic (for components see list of parts under details of "Hydraulic Lift Cylinder")
21	290 045 R1 343 909 R1 179 862 103 322	CLAMP-HALF, split flange (4) "O" RING, 1-1/2 x 1-3/4 x 1/8" (2) 7/16 x 1-1/2" hex-hd cap SCREW (8) 7/16" lock WASHER (8)
22	608 357 C91	TUBE, LH head TD-15BP 20135 to 25000
22	701 676 C1	TUBE, LH head TD-15BP 25001 up
23	608 355 C91	TUBE, LH rod TD-15BP 20135 to 25000
23	701 665 C1	TUBE, LH rod TD-15BP 25001 up
24	608 352 C91	TUBE, LH cylinder head (For Bullgrader)
24	608 372 C91 343 906 R1 179 841 103 321	TUBE, LH cylinder head (For Bulldozer) "O" RING, 1-5/16 x 1-9/16 x 1/8" 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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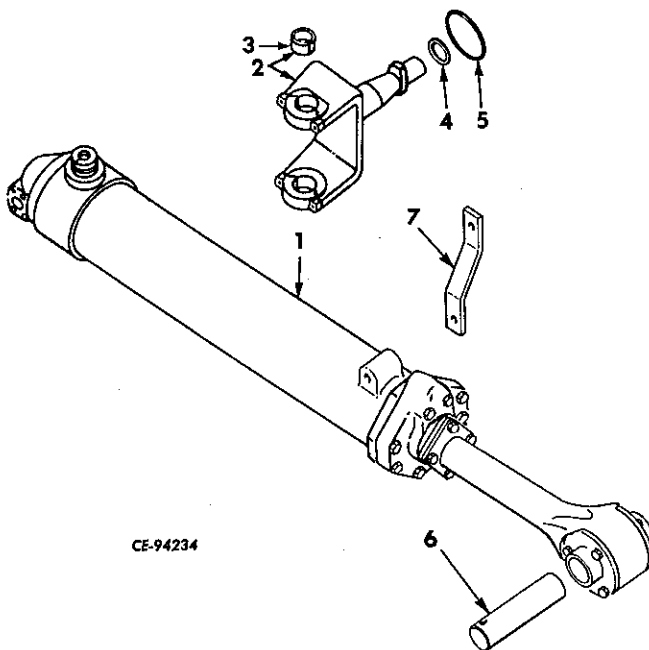
HYDRAULIC PIPING - CONTINUED
TD-15BP 20135 up

25	608 348 C92	TUBE, LH cylinder rod TD-15BP 20135 to 25000
25	623 160 C1	TUBE, LH cylinder rod (For Bullgrader) TD-15BP 25001 up
25	701 667 C1	TUBE, LH cylinder rod (For Bulldozer) TD-15BP 25001 up
	608 350 C1	CLAMP, tube inner
	608 351 C1	CLAMP, tube outer
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
26		CYLINDER, LH hydraulic (for components see list of parts under details of "Hydraulic Lift Cylinder")
27	608 354 C1	CLAMP, tube (4)
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
28	605 605 C2	CLAMP, tube SPACER (3/8" std pipe x 1-9/64" long - obtain locally)
	179 847	3/8 x 2" hex-hd cap SCREW
	103 321	3/8" lock WASHER
29	608 362 C91	MANIFOLD, tube
	301 844 R1	CLAMP-HALF, split flange (2)
	343 921 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8"
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
	608 366 C91	BRACKET, valve mounting
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	608 369 C11	COVER, pump tube (on RH fender) TD-15BP 20135 to 21059
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	342 310 R21	COVER, pump tube (on RH Fender) TD-15BP 21060 up
	102 635	3/8" NUT (3)
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	313 244 R1	HOSE, 3/4" ID bulk (X)
	313 245 R1	HOSE 1" ID bulk (X)

(X) - Order Cut Length As Required.

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

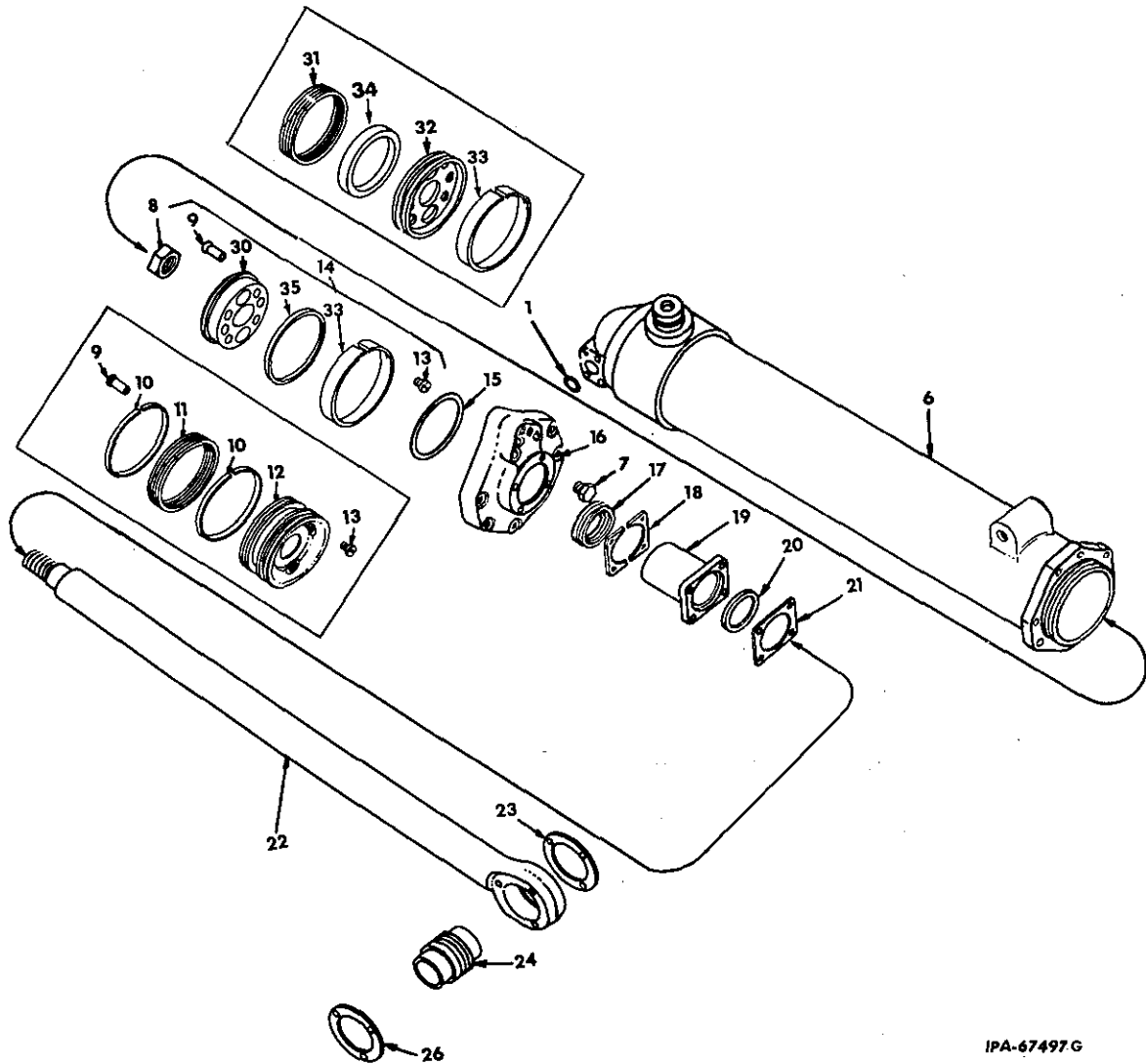
HYDRAULIC LIFT CYLINDER AND YOKE AND RELATED PARTS



REF. NO.	I. H. PART NUMBER	DESCRIPTION
		HYDRAULIC LIFT CYLINDER AND YOKE and Related Parts
1		CYLINDER ASSY, Lift (For components see list of parts under details of "Hydraulic Lift Cylinder" (2)
2	623 401 C91	YOKE and CAP w/two BUSHINGS, 294 684 R1 and two PIN, 19 407 R1, Lift Cylinder (to- gether with RING, 602 748 C1 will work for YOKE and CAP, 333 288 R21) (2)
	271 562	5/8 x 2" hex-hd cap SCREW (4)
	103 325	5/8" lock WASHER (4)
3	294 684 R1 19 407 R1	BUSHING, lift yoke and cap (4) PIN, bushing retainer (4)
4	294 799 R1	WASHER, thrust (2)
5	176 916 H1	RING, cord (Used with YOKE and CAP 623 401 C91)(2)
6	320 788 R1 9 413 956 179 893	PIN, cylinder mounting (2) NUT, stover lock (2) 1/2 x 3" hex-hd cap SCREW (2)
7	616 694 C1	PLATE, cylinder hanger (2) TD-15BP 25001 up (2) TD-15BG 25001 up
	9 413 462 179 893	NUT, stover lock (2) 1/2 x 3" hex-hd cap SCREW (2)

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

HYDRAULIC CYLINDERS



IPA-67497G

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all Cylinder Assemblies listed below; Letters A and B are used to identify separate Cylinder Assemblies.
A	602 813 C91	CYLINDER ASSY, LH and RH hydraulic lift (will work for CYLINDER ASSYS, 333 268 R91 and 333 269 R91) (2) TD-15BP 6001 to 25000 (2) TD-15BG 7260 to 25000
B	704 018 C91	CYLINDER ASSY, LH and RH hydraulic lift (2) TD-15BP 25001 up (2) TD-15BG 25001 up (Consists of the following parts -
1	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (Cylinder A) (2)

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

HYDRAULIC CYLINDERS - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	333 270 R91	HOUSING, cylinder (Cylinder A) (2)
6	704 014 C1	HOUSING, cylinder (Cylinder B) (2)
7	444 824	PLUG, 3/8" NPT hex-hd (2)
8	18 489 R1	NUT, 1-1/4NF (2)
9		STEM, relief valve (order 296 590 R91) (4)
10	295 903 R1	RING piston wear (used with PISTON, 295 902 R13) (Cylinder A) (4)
11	701 777 C1	PACKING, (used with PISTON, 295 902 R13) (Cylinder A) (2)
12		PISTON, hydraulic cylinder (order PISTON ASSEMBLY, 612 435 C11) (Cylinder A) (2)
13		END, relief valve (order VALVE, 296 590 R91) (4)

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CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

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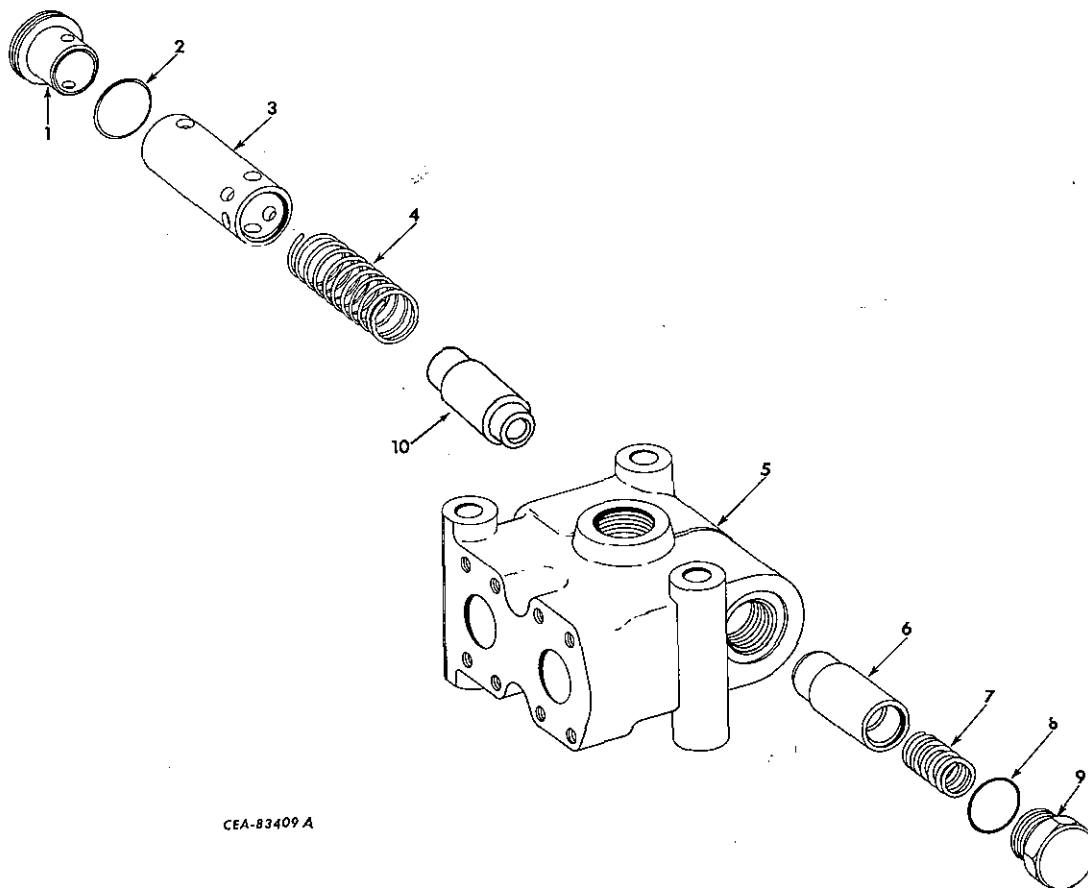
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CYLINDERS - CONTINUED

14	623 823 C91	PISTON ASSEMBLY, hydraulic cylinder (will work for PISTON, 295 902 R13 and 612 435 C11) (Composed of - § 1 PISTON 1 RING 625 269 C1 1 RING 295 903 R1 1 VALVE 296 590 R91 § 1 STEM § 1 END)
15	343 926 R1	"O" RING, 4-7/8 x 5-1/8 x 1/8" (2)
16	333 275 R2 179 867 179 871	CAP, cylinder (2) 7/16 x 2-1/4" hex-hd cap SCREW (12) 7/16 x 3-1/4" hex-hd cap SCREW (4)
17	329 299 R91	PACKING, rod (2)
18	294 515 R1	SHIM (20)
19	333 276 R1	GLAND, packing (2)
20	327 219 R91	SEAL, wiper (Cylinder A) (2)
20	619 072 C91	SEAL, wiper (Cylinder B) (2)
21	294 516 R1 179 884	PLATE, dust seal retainer (Cylinder A) (2) 1/2 x 1-3/8" hex-hd cap SCREW (8)
22	320 784 R11	ROD ASSEMBLY, piston (Cylinder A) (2) (Composed of - 1 BEARING 321 247 R91 1 PLATE 320 741 R1 1 PLATE 320 742 R1 § 1 ROD)
22	333 356 R11	ROD ASSEMBLY, piston (Cylinder B) (2) (Composed of - 1 BEARING 321 247 R91 1 FITTING 109 461 1 PLATE 320 741 R1 1 PLATE 320 742 R1 § 1 ROD)
23	320 742 R1 179 891	PLATE, inner locking (2) 1/2 x 2-1/2" hex-hd cap SCREW (6)
24	321 247 R91	BEARING, piston rod (2)
26	320 741 R1	PLATE, outer locking (2)
30		PISTON, hydraulic cylinder (order PISTON ASSEMBLY, 623 823 C91) (2)
31	702 742 C1	PACKING, piston (used with PISTON ASSEMBLY, 612 435 C11) (2) (See NOTE)
32	612 436 C1	RETAINER, packing (used with PISTON ASSEMBLY, 612 435 C11) (2) 3/8 x 1-1/2" hex-hd cap SCREW (12)
33	295 903 R1	RING, piston wear (used with PISTON ASSEMBLY, 612 435 C11 and 623 823 C91) (2)
34	619 078 C1	ADAPTER, female (used with PISTON ASSEMBLY, 612 435 C11) (see NOTE)
35	625 269 C1	RING, seal (used with PISTON ASSEMBLY (623 823 C91)
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (6)
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
	296 590 R1	VALVE w/END and STEM, relief (X)
		NOTE - Letter "H" Must Be Stamped on Adapter. When Adapter is Not Stamped with Letter "H" Order New Adapter 619 078 C1 and Packing 702 742 C1. (X)- As Required. § - Not Furnished Separately.

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

QUICK DROP VALVE



CEA-83409 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	656 169 C91	VALVE ASSY, quick drop (will work for VALVE ASSY, 608 341 C91 and VALVE ASSY, 605 259 C91)
	9 413 954	NUT, 7/16" stover lock (3)
	190 909	7/16 x 5" hex-hd cap SCREW (3) (Consists of the following parts -
1	605 261 C1	SLEEVE
2	328 249 R1	"O" RING, 1-5/8 x 1-3/4 x 1/16"
3		SPOOL (Not Furnished Separately)
4	605 263 C1	SPRING, spool (used with VALVE ASSY, 608 341 C91 and 605 259 C91)
4	656 266 C1	SPRING, spool (used with VALVE ASSY, 656 169 C91)
5		BODY (Not Furnished Separately)

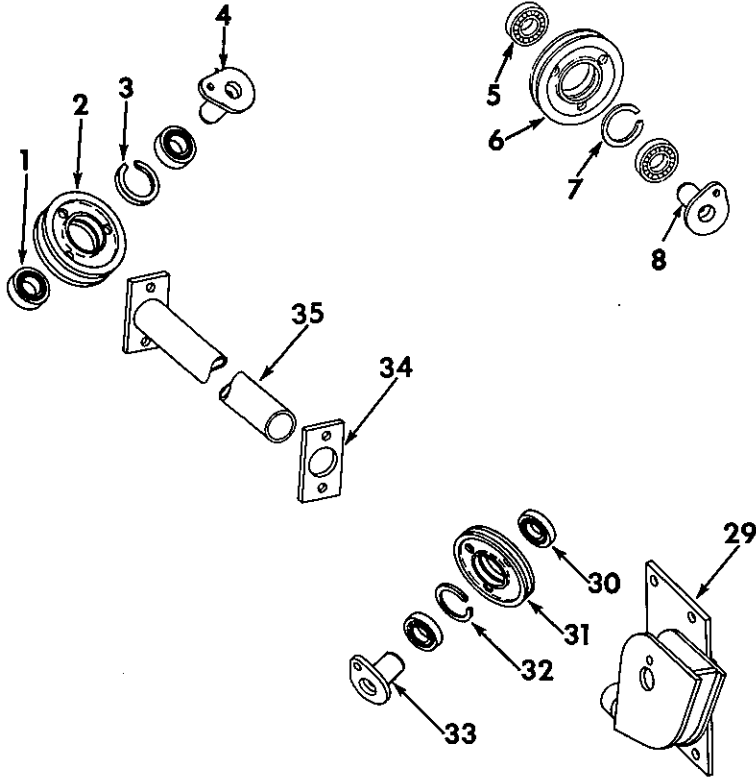
CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

QUICK DROP VALVE -- CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	616 514 C1	POPPET (Together with SPRING, 300 761 R1 will work for POPPET, 605 265 C1)
7	605 264 C1	SPRING, check, valve (used with POPPET, 605 265 C1)
7	300 761 R1	SPRING, check valve (used with POPPET, 616 514 C1)
8	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
9	324 605 R1	PLUG
10	656 167 C1	STOP, spool
	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (not part of valve assy)
	9 410 363	PLUG, 1" straight thread (not part of valve assy)

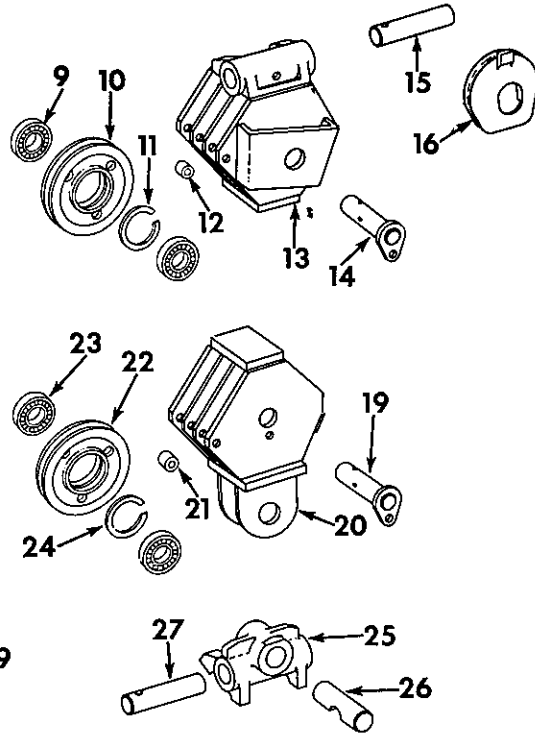
CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

SHEAVE BLOCKS AND SHEAVES



CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

SHEAVE BLOCKS AND SHEAVES - CONTINUED



IPA-66797A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
(X)		KEY TO UNITS - A - SHEAVE BLOCKS AND SHEAVES (for use with front cable control unit) B - SHEAVE BLOCKS AND SHEAVES (for use with rear cable control unit)
(X)		Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.
1	ST 596	BEARING, cable control unit adapter sheave (2 for Unit B)
2	294 611 R1	SHEAVE, cable control unit adapter (Unit B)
3	290 358 R1	RING, cable control unit adapter sheave bearing retainer (Unit B)
4	289 273 R11 271 554	SHAFT, cable control unit adapter sheave (Unit B) 5/8 x 1" hex-hd cap SCREW
5	ST 596	BEARING, upper corner sheave (2)
6	294 611 R1	SHEAVE, upper corner

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
7	290 358 R1	RING, upper corner sheave bearing retainer
8	289 273 R11 271 553	SHAFT, corner sheave 5/8 x 7/8" hex-hd cap SCREW
9	ST 596	BEARING, upper sheave block sheave (6)
10	294 611 R1	SHEAVE, upper sheave block (3)
11	290 358 R1	RING, upper sheave block bearing retainer (3)
12	12 576 R1 102 637	SPACER, upper sheave block cheek plate (1/2" std pipe x 1-9/16" long - obtain locally) (3) BOLT, 1/2 x 6-3/4" 1/2" NUT
13	333 229 R91	BLOCK, upper sheave
14	309 715 R11 271 553	SHAFT, upper sheave block sheave 5/8 x 7/8" hex-hd cap SCREW
15	315 504 R1 9 413 956 179 894	PIN, upper sheave block mounting NUT, 1/2" stover lock 1/2 x 3-1/4" hex-hd cap SCREW
16	309 888 R1	LOCK, cable

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CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

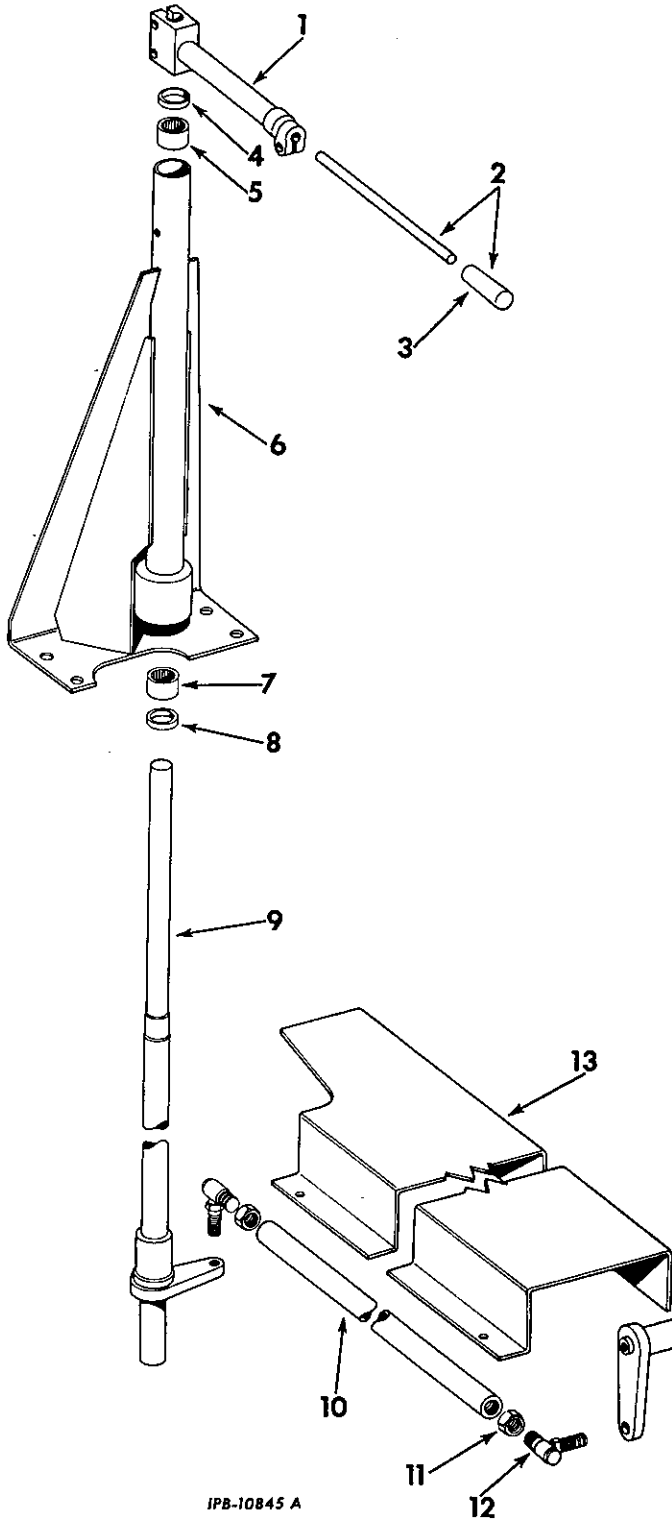
REF. NO.	I. H. PART NUMBER	DESCRIPTION
SHEAVE BLOCKS AND SHEAVES - CONTINUED		
19	309 715 R11 271 553	SHAFT, lower sheave block sheave 5/8 x 7/8" hex-hd cap SCREW
20	333 232 R91	BLOCK, lower sheave
21		SPACER, lower sheave block cheek plate (1/2" std-pipe x 1-9/16" long - obtain locally) (3)
	102 637 12 576 R1	1/2" NUT BOLT, 1/2 x 6-3/4"
22	294 611 R1	SHEAVE, lower sheave block (3)
23	ST 596	BEARING, lower sheave block sheave (6)
24	290 358 R1	RING, lower sheave block bearing retainer (3)
25	320 896 R1	UNIVERSAL, lower sheave block
26	309 883 R1	PIN, universal lower sheave block
27	315 504 R1 9 413 956 179 894	PIN, lower sheave block mounting NUT, 1/2" stover lock 1/2" x 3-1/4" hex-hd cap SCREW
29	333 237 R91 271 609	BLOCK, lower corner sheave (Unit B) 3/4 x 1-3/4" hex-hd cap SCREW (4)
30	ST 596	BEARING, side sheave (2 for Unit B)
31	294 611 R1	SHEAVE, lower corner (Unit B)
32	290 358 R1	RING, lower corner sheave bearing retainer (Unit B)
33	289 273 R11 271 553	SHAFT, side sheave (Unit B) 5/8 x 7/8" hex-hd cap SCREW
34	333 243 R1 102 637 179 887 103 323	PLATE, tube mounting (Unit B) 1/2" NUT (2) 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
35	333 242 R11 102 637 179 887 103 323	TUBE, cable guide (used to guide cable from radiator guard to rear mounted cable control unit) (Unit B) 1/2" NUT (2) 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
	109 461	FITTING, lubrication, 1/8" (Lincoln 5000) (optional with 138 322 H) (used with sheave block shafts) (6)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (used with sheave block shafts) (6)
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (used with upper sheave block and universal) (2)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (used with upper sheave block and universal) (2)
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (used with corner sheave) (2)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (used with corner sheave) (2)

CABLE AND HYDRAULIC BULLGRADERS AND BULLDOZERS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SHEAVE BLOCKS AND SHEAVES - CONTINUED		
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (used with lower corner sheave) (Unit B)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (used with lower corner sheave) (Unit B)
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (used with cable control unit adapter sheave) (Unit B)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1510BL) (optional with 109 461) (used with cable control unit adapter sheave) (Unit B)
		ROPE, 1/2" x 60' steel (Unit A) ROPE, 1/2" x 80' steel (Unit B)
	294 610 R1	SPACER, upper corner sheave check plate (Unit A)
	9 413 956 179 893 103 321	NUT, 1/2" stover lock 1/2 x 3" hex-hd cap SCREW 1/2" lock WASHER

MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

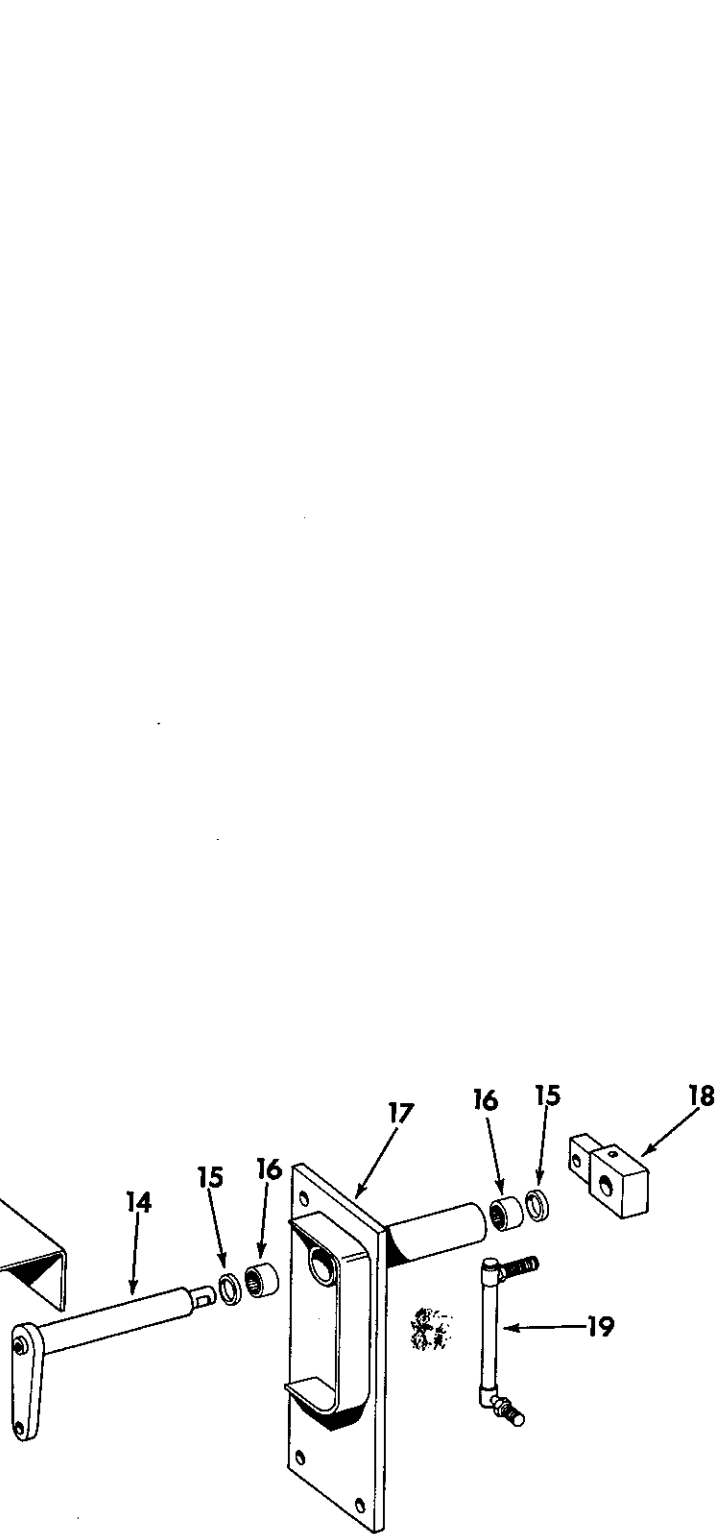
CABLE OPERATING CONTROLS
(Front Mounted)



IPB-10845 A

MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

CABLE OPERATING CONTROLS - CONTINUED
(Front Mounted)



MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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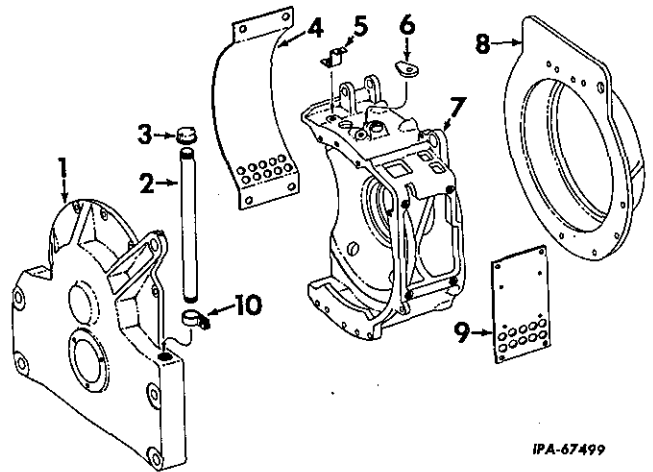
CABLE OPERATING CONTROLS - CONTINUED (Front Mounted)

1	319 187 R91	LEVER, tiller
	114 505	1/2" jam NUT (2)
	102 639	5/8" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (2)
	103 329	1/2" heavy lock WASHER (2)
2	293 808 R91	SHAFT w/GRIP, 619 405 C1 control
3	619 405 C1	GRIP, control
4	287 058 R91	OIL SEAL, tiller bracket
5	298 175 R91	BEARING, tiller bracket
6	333 245 R91	BRACKET ASSEMBLY, tiller
	102 637	1/2" NUT (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
7	324 394 R91	BEARING, tiller bracket
8	324 396 R91	OIL SEAL, tiller bracket
9	333 251 R91	SHAFT w/RACE, 284 030 R1 and RACE, 324 395 R1, rear control
	103 028	1/2NF NUT (2)
10	333 256 R11	ROD, reach
11	218 443	NUT, 3/4" jam (2)
12	333 845 R91	JOINT, ball (2)
13	342 438 R21	GUARD, reach rod
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
14	333 259 R11	SHAFT, front control TD-15BP 6001 to 22000
14	611 718 C11	SHAFT, front control TD-15BP 22001 up
15	287 058 R91	OIL SEAL, front control bracket (2)
16	298 175 R91	RACE, outer (2)
17	333 261 R92	BRACKET, front control
	271 609	3/4 x 1-3/4" hex-hd cap SCREW (3)
18	333 266 R91	LEVER
	295 535 R1	BOLT, lever lock
9	413 952	NUT, 5/16" stover lock
19	333 838 R91	LINK, front cable control unit
	114 496	1/2NF jam NUT (2)
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (2)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610B) (optional with 109 461) (2)
	284 030 R1	RACE, inner upper
	324 395 R1	RACE, inner lower

§ - Not Furnished Separately.

MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

HOUSING



IPA-67499

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	299 601 R2	HOUSING, main
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (4)
2	286 332 R2	PIPE, oil filler
3	108 689	CAP, 1" pipe - M. L.
4	299 605 R1	COVER, LH perforated side
	179 833	3/8 x 1/2" hex-hd cap SCREW (4)
5	315 525 R1	BRACKET, brake band spring
	179 851	3/8 x 3" hex-soc-hd dog pt set SCREW (2)
	114 505	1/2" jam NUT (2)
6	286 556 R1	WEDGE, cable (3)
	179 843	3/8 x 1-1/2" hex-hd cap SCREW
7	299 602 R2	HOUSING, gear
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (6)
8	299 607 R1	COVER, drum
	179 881	1/2 x 1" hex-hd cap SCREW (8)
9	299 606 R1	COVER, RH perforated side
	179 833	3/8 x 1/2" hex-hd cap SCREW (4)
10	299 609 R1	CLAMP, oil filler mounting
	9 409 949	PLUG, csk-hd, 3/4" NPT (steel) (3)
		SCREW, 7/8 x 3-1/2" hex-hd cap (for mounting cable control unit) (4)
	103 347	15/16 x 1-3/4" x 10 ga WASHER (4)
	278 027 R1	WIRE, bulk locking 16 ga (customer must specify length required) (X)

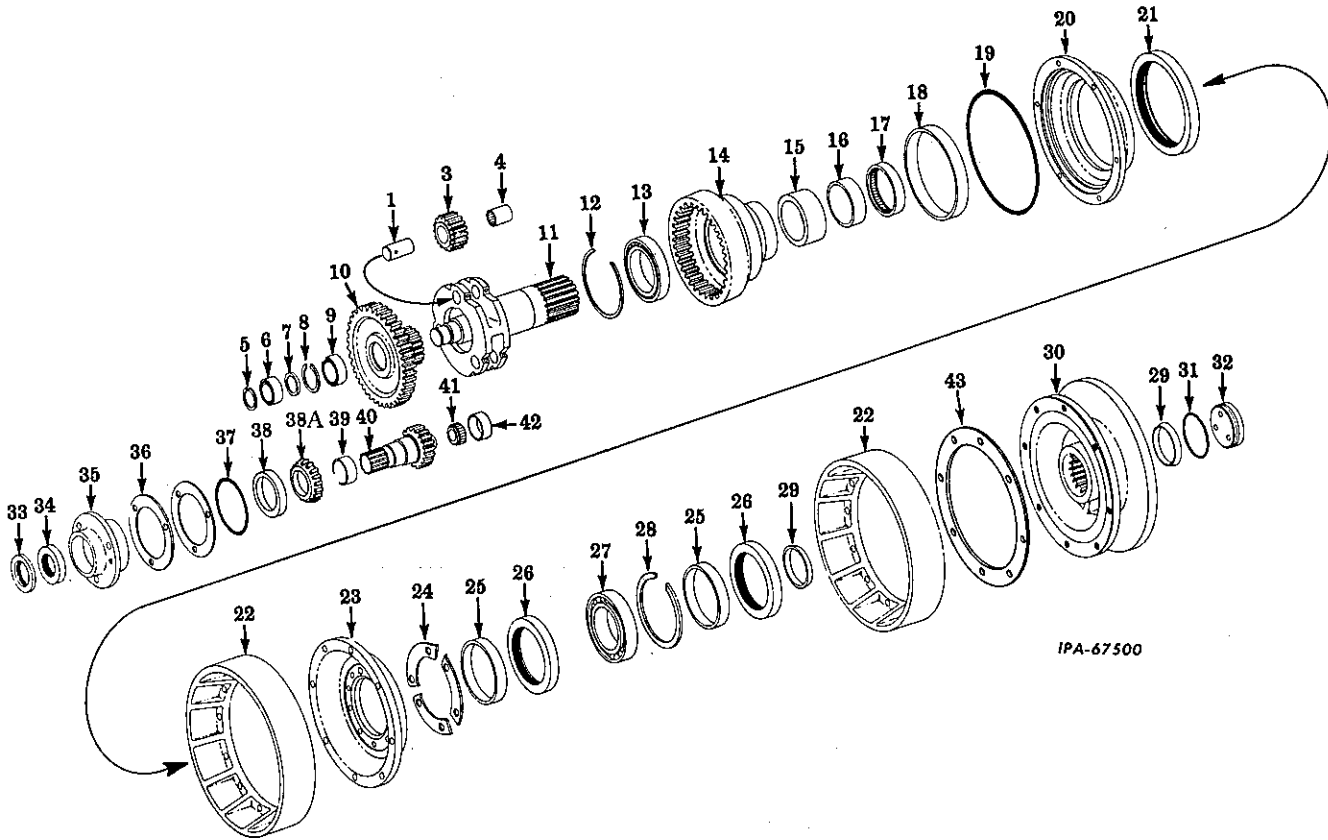
(X) - As Required.

MODEL 110 SINGLE DRUM
FRONT CABLE CONTROL UNIT

TRANSMISSION

MODEL 110 SINGLE DRUM
FRONT CABLE CONTROL UNIT

TRANSMISSION - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	299 621 R1	PIN, planet gear (3)
3	299 620 R1	GEAR, planet (3)
4	550 768 R91	BEARING, planet gear needle (3)
5	659 380 R1	RING, main shaft bearing snap
6	ST 291	BEARING, main shaft - outer
7	299 613 R1	SPACER, cluster gear
8	299 612 R1	RING, cluster gear snap
9	ST 214	BEARING, main shaft inner
10	299 611 R1	GEAR, cluster
11	299 610 R1	SHAFT, main
12	299 616 R1	RING, ring gear snap

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	ST 632	BEARING, ring gear inner
14	299 617 R11	GEAR w/SLEEVE, 317 586 R1 and SLEEVE, 317 588 R1, planetary ring
15	299 614 R1	SPACER, ring gear bearing
16	299 615 R1	RACE, ring gear inner bearing
17	299 489 R91	BEARING, ring gear inner
18	299 913 R1	SLEEVE, oil seal (large)
19	299 618 R1	GASKET, planetary ring gear
20	299 622 R1 179 839	SUPPORT, oil seal 3/8 x 1" hex-hd cap SCREW (6)
21		OIL SEAL, seal support (order 308 678 R93)
22	299 627 R1 179 880	DRUM, clutch and brake (2) 1/2 x 7/8" hex-hd cap SCREW (16)

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MODEL 110 SINGLE DRUM
FRONT CABLE CONTROL UNIT

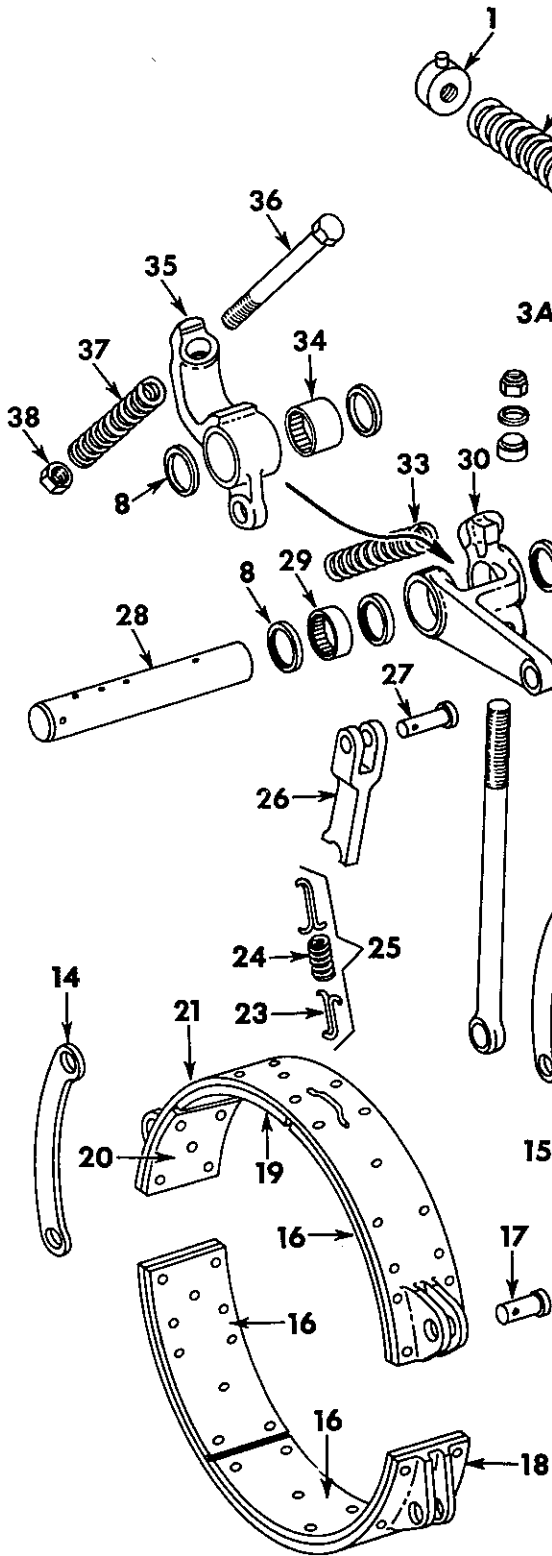
MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED		
23	299 625 R1 179 881 187 149	MOUNT, clutch drum 1/2 x 1" hex-hd cap SCREW (6) PIN, clutch drum mount dowel (3)
24	299 626 R1	RETAINER, clutch drum mount dowel pin (3)
25	299 914 R1	SLEEVE, oil seal (small) (2)
26		OIL SEAL, ring gear (order 308 679 R93) (2)
27	ST 283 A	BEARING, main shaft, main
28	300 047 R1	RING, gear housing snap
29	299 630 R1	WEDGE, cable drum (2)
30	299 628 R11	DRUM w/SLEEVE, 317 588 R1, cable
31	299 632 R1	GASKET, cable drum cap
32	299 631 R1 179 883	CAP, cable drum 1/2 x 1-1/4" hex-hd cap SCREW (3)
32	299 496 R1	SEAL, 1/2" dyna (3)
33	299 491 R91	OIL SEAL, power take-off shaft wiper
34		OIL SEAL, power take-off shaft (order 308 677 R92)
35	299 603 R1 179 837	CARRIER, power take-off shaft oil seal 3/8 x 3/4" hex-hd cap SCREW (3)
36	308 586 R1	SHIM, power take-off shaft oil seal carrier (.020") (X)
36	308 587 R1	SHIM, power take-off shaft oil seal carrier (.007") (X)
36	308 588 R1	SHIM, power take-off shaft oil seal carrier (.005") (X)
37	299 604 R1	GASKET, power take-off shaft oil seal carrier
38	ST 970	CUP, power take-off shaft bearing
38A	ST 775 A	CONE, power take-off shaft bearing
39	299 492 R1	SLEEVE, power take-off shaft oil seal wear
40	299 624 R11	SHAFT, w/wear SLEEVE, 317 589 R1, power take-off
41	371 882 R91	CONE, power take-off shaft end bearing
42	371 883 R1	CUP, power take-off shaft end bearing
43	311 525 R1	GASKET, cable drum
	308 677 R93	PACKAGE, field service (consists of OIL SEAL, and oil seal wear SLEEVE, 299 492 R1) (X)
	308 678 R93	PACKAGE, field service (consists of OIL SEAL and oil seal wear SLEEVE, 299 913 R1) (X)
	308 679 R93	PACKAGE, field service (consists of OIL SEAL and oil seal wear SLEEVE, 299 914 R1) (X)
	308 785 R1	RING, oil collector

X - As Required.

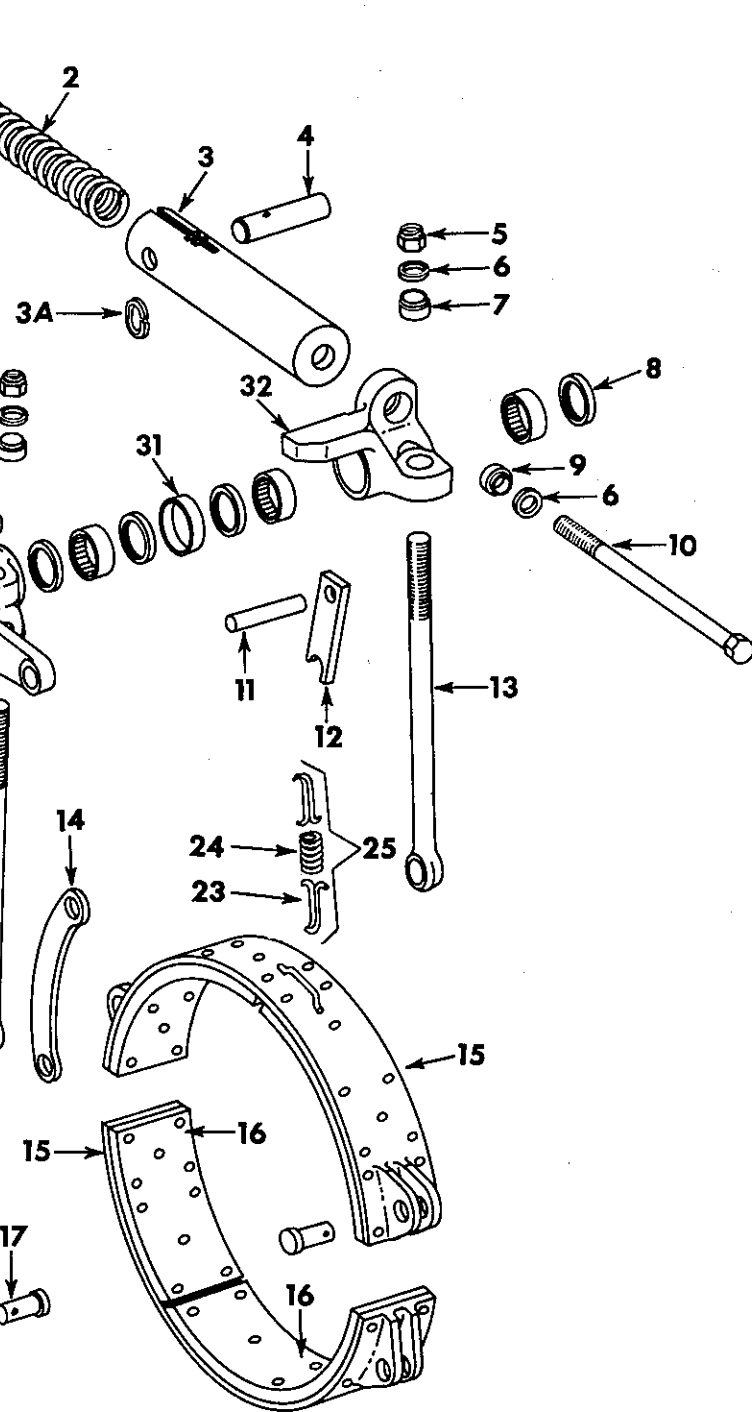
MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

OPERATING LEVERS AND BRAKE BAND



MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

OPERATING LEVERS AND BRAKE BAND - CONTINUED



MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

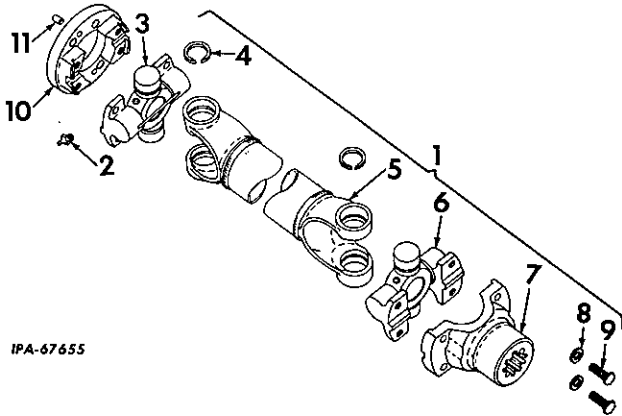
REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - CONTINUED		
1	297 722 R11	BLOCK w/DOWEL, brake spring guide end
2	287 015 R2	SPRING, brake
3	297 720 R11	HOUSING, brake spring
3A	311 501 R1	RING, pick-up spring retaining
4	299 660 R1 103 419	PIN, brake spring housing 1/4 x 1-1/4" cotter PIN
5	454 522 R1	NUT, 1/2" elastic stop (2)
6	297 714 R1	SPACER, adjusting screw (3)
7	298 098 R91	BUSHING, tension rod self-aligning (2)
8	287 058 R91	OIL SEAL, lever bearing (8)
9	298 098 R91	BUSHING, brake adjusting screw
10	297 721 R1	BOLT, brake adjusting
11	299 654 R1	PIN, brake anchor
12	299 653 R1	PAWL, brake anchor
13	299 655 R1	ROD, tension (2)
14	299 648 R1	LINK, brake band connecting (2)
15	299 640 R91	BAND, 299 642 R11, w/two lining, 299 645 R1 and sixteen RIVET, 21 406 H, brake (2)
15	299 642 R11	BAND, brake (2)
16	299 645 R1 21 406 H	LINING, brake and clutch (7) RIVET, 3/16 x 3/8" brass (56)
17	299 650 R1 141 283	PIN, brake and clutch band end (8) 1/2 x 1" cotter PIN (8)
18	299 640 R91	BAND w/two LINING, 299 645 R1 and sixteen RIVET, 130 966 H, clutch
19	299 646 R1 21 406 H	LINING, clutch RIVET, 3/16 x 3/8" brass (5)
20	299 647 R1 21 406 H	LINING, clutch-metallic RIVET, 3/16 x 3/8" brass (5)
21	299 641 R91	BAND ASSEMBLY, clutch (Composed of - 1 LINING 299 645 R1 1 LINING 299 646 R1 1 LINING 299 647 R1 18 RIVET 21 406 H)
21	299 643 R11	BAND, clutch
23	56 476 DA	HOOK, band hold-off spring (2)
24	56 475 D	SPRING, band hold-off
25	56 478 DA	SPRING, 56 475 D w/two HOOK, 56 476 DA, band hold-off
26	299 651 R1	PAWL, clutch anchor
27	299 652 R1 141 283	PIN, clutch anchor 1/2 x 1" cotter PIN
28	299 659 R1 179 809 103 319	SHAFT, operating lever 1/4 x 3" hex-hd cap SCREW 1/4" NUT
29	283 375 R91	BEARING, brake and clutch lever (4)
30	299 657 R1	LEVER, clutch
31	298 274 R1	SPACER, brake lever

MODEL 110 SINGLE DRUM FRONT CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - CONTINUED		
32	299 656 R1	LEVER, brake
33	286 611 R1	SPRING, clutch
34	914 455 R91	BEARING, brake release lever
35	299 658 R1	LEVER, brake release
36	271 570	SCREW, 5/8 x 4" hex-hd cap
37	287 020 R1	SPRING, brake release
38	114 507 103 345	NUT, 5/8" jam 21/32 x 1-5/16 x .095" WASHER
	109 461	FITTING, 1/8" straight operating lever shaft lubrication (optional with 138 322 H)
	138 322 H	FITTING, 1/8" straight operating lever shaft lubrication (optional with 109 461)

**MODEL 110 SINGLE DRUM
FRONT CABLE CONTROL UNIT**

**ADAPTER UNIT
(Mechanics)**

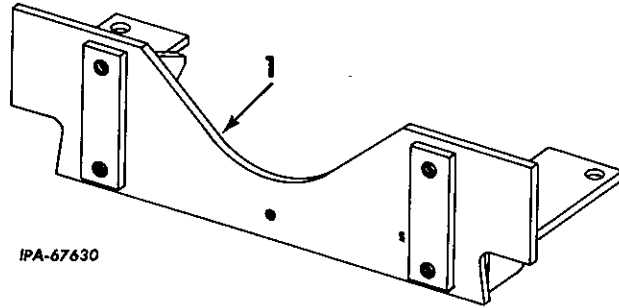


IPA-67655

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	333 865 R91	SHAFT w/"U" JOINT ASSEMBLY, power take-off
	181 377	3/8NF x 1-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
2	110 146 R91	FITTING, lubrication (optional with 102 467 H) (2)
2	102 467 H	FITTING, lubrication (optional with 110 146 R91) (2)
3	317 721 R92	SPIDER w/BEARING
4	97 710 H	RING, snap(4)
5	338 871 R91	TUBE
6	317 722 R91	SPIDER w/BEARING
7	317 708 R1	YOKE, fitting
8	103 321	WASHER, 3/8" light lock (4)
9	37 479 HA	BOLT, 3/8NF x 7/8" (4)
10	333 325 R1	FLANGE, adapter
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
	103 323	1/2" lock WASHER (4)
11	269 292 R1	DOWEL, adapter (2)
	305 109 R91	RETAINER and SEAL (8)
	37 335 H	SHIELD, dust (8)

**MODEL 110 SINGLE DRUM
FRONT CABLE CONTROL UNIT**

MOUNTING BRACKET

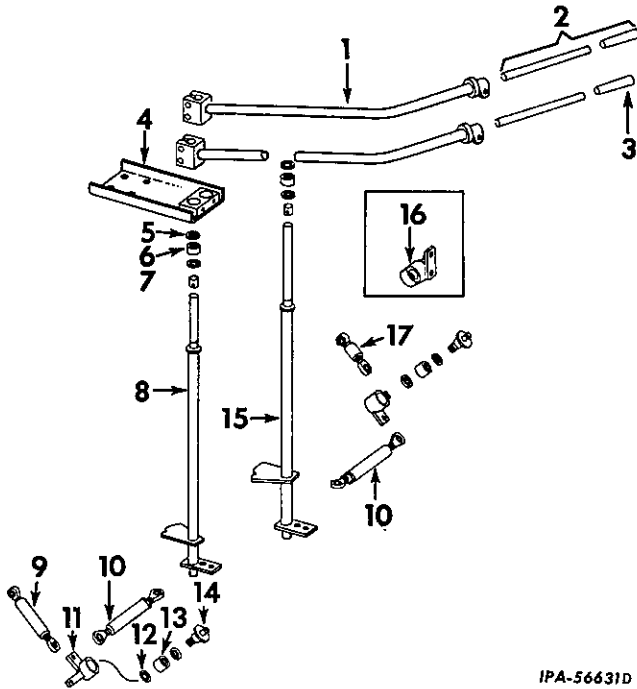


IPA-67630

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	333 216 R91	BRACKET, cable control unit mounting (also listed with "Adapter Unit") TD-15BP 6001 to 22000
	179 891	1/2 x 2-1/2" hex-hd cap SCREW (4)
1	611 714 C91	BRACKET, cable control unit mounting TD-15BP 22001 up

MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

CABLE OPERATING CONTROLS
(Rear Mounted)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	342 491 R11 102 639 271 564	LEVER, tower tiller (2) 5/8" NUT (4) 5/8 x 2-1/2" hex-hd cap SCREW (4)
2	293 808 R91 179 883 103 323	HANDLE w/GRIP, 619 405 C1 tower tiller lever (2) 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" heavy lock WASHER (2)
3	619 405 C1	GRIP, tower tiller lever handle (2)
4	308 807 R11 271 556	SUPPORT, tower tiller upper 5/8 x 1-1/4" hex-hd cap SCREW (4)
5	287 058 R91	OIL SEAL, tower tiller upper bearing oil (4)
6	298 175 R91	BEARING, tower tiller upper (2)
7	308 813 R1	RACE, tower tiller post inner (4)
8	308 810 R12	POST w/two RACE, 308 813 R1 tower tiller-bowl
9	308 820 R91 103 028 181 431 181 433	LINK, control, long 1/2NF NUT (2) 1/2NF x 1-1/2" hex-hd cap SCREW 1/2NF x 1-3/4" hex-hd cap SCREW
10	308 822 R91 103 028 181 431	LINK, control adjustable (2) 1/2NF NUT (4) 1/2NF x 1-1/2" hex-hd cap SCREW (4)

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MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

REF. NO. I. H. PART NUMBER DESCRIPTION

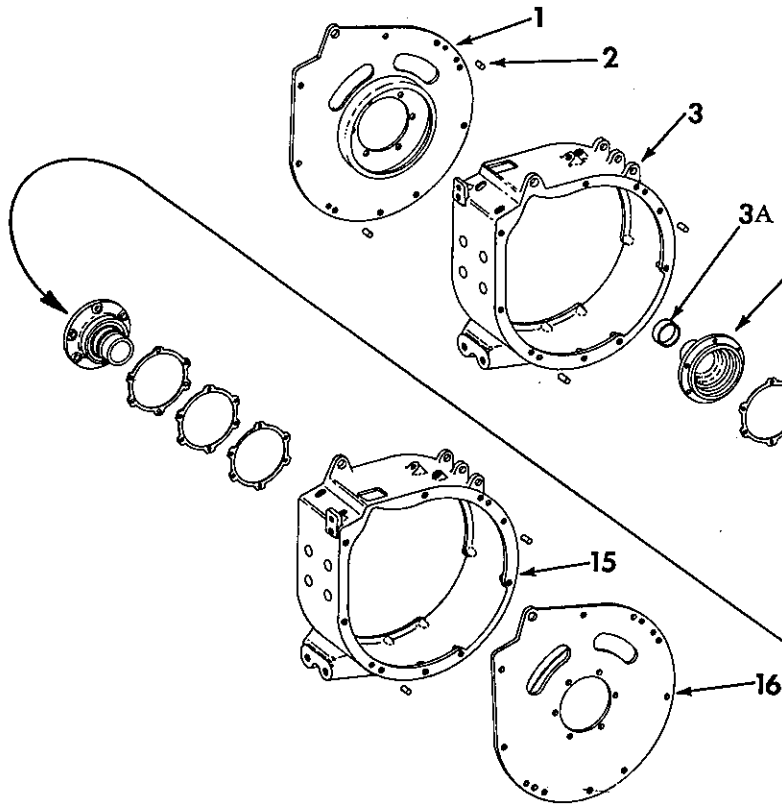
CABLE OPERATING CONTROLS - CONTINUED
(Rear Mounted)

11	308 815 R91	BELLCRANK, control link (2)
12	287 058 R91	OIL SEAL, control link bellcrank bearing (4)
13	914 455 R91	BEARING, control link bellcrank (2)
14	308 818 R11 218 443	BOLT, control link bellcrank (2) 3/4" jam NUT (2)
15	308 809 R12	POST, w/two RACE, 308 813 R1 tower tiller-ejector
16	308 814 R1 102 637 179 889	BRACKET, LH bellcrank (only used with LH mounting BRACKET, 335 960 R1) 1/2" NUT (2) 1/2 x 2" hex-hd cap SCREW (2)
17	308 819 R91 103 028 181 433 181 431	LINK, control short 1/2NF NUT (2) 1/2NF x 1-3/4" hex-hd cap SCREW 1/2NF x 1-1/2" hex-hd cap SCREW
	109 460	FITTING, 1/8" x 60° lubrication (4)
	102 467 H	FITTING, 1/4" straight lubrication (optional with 110 146 R91) (4)
	110 146 R91	FITTING, 1/4" straight lubrication (optional with 102 467 H) (4)
	126 118	FITTING, 1/8" x 90° lubrication (optional with 273 352) (2)
	273 352	FITTING, 1/8" x 90° lubrication (optional with 126 118) (2)
	117 175	FITTING, 1/4" x 45° lubrication (optional with 274 508) (4)
	274 508	FITTING, 1/4" x 45° lubrication (optional with 117 175) (4)

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MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT

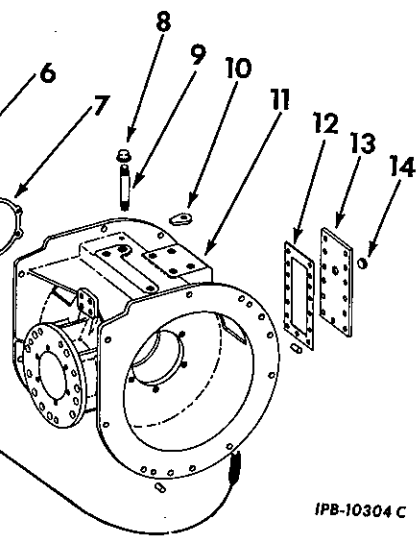
HOUSING



IPB-10304 C

MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT

HOUSING - CONTINUED



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	611 741 C11 271 554 271 556	SUPPORT w/RING, RH outboard bearing 5/8 x 1" hex-hd cap SCREW (4) 5/8 x 1-1/4" hex-hd cap SCREW (5)
2	286 958 R1	PIN, dowel outer housing (8)
3	297 787 R2	HOUSING, RH outer
3A	307 833 R1	SLEEVE, oil seal wear (2)
4	326 450 R11 25 125 D 102 637	QUILL w/SLEEVE, 307 833 R1, drum (2) (Together w/BLOCK, 326 451 R1 and RING, 324 738 R1 will work for QUILL, 297 783 R21) STUD, drum quill (12) 1/2" NUT (12)
5	286 355 R1	SHIM, drum quill (.005) (6 or as required)
6	286 356 R1	SHIM, drum quill (.007) (6 or as required)
7	286 357 R1	SHIM, drum quill (.020) (2 or as required)
8	108 689	CAP, 1" pipe (M1)
9	297 782 R1	PIPE, filler
10	286 556 R1 179 843	WEDGE, cable (spare) (6) 3/8 x 1-1/2" hex-hd cap SCREW (2)

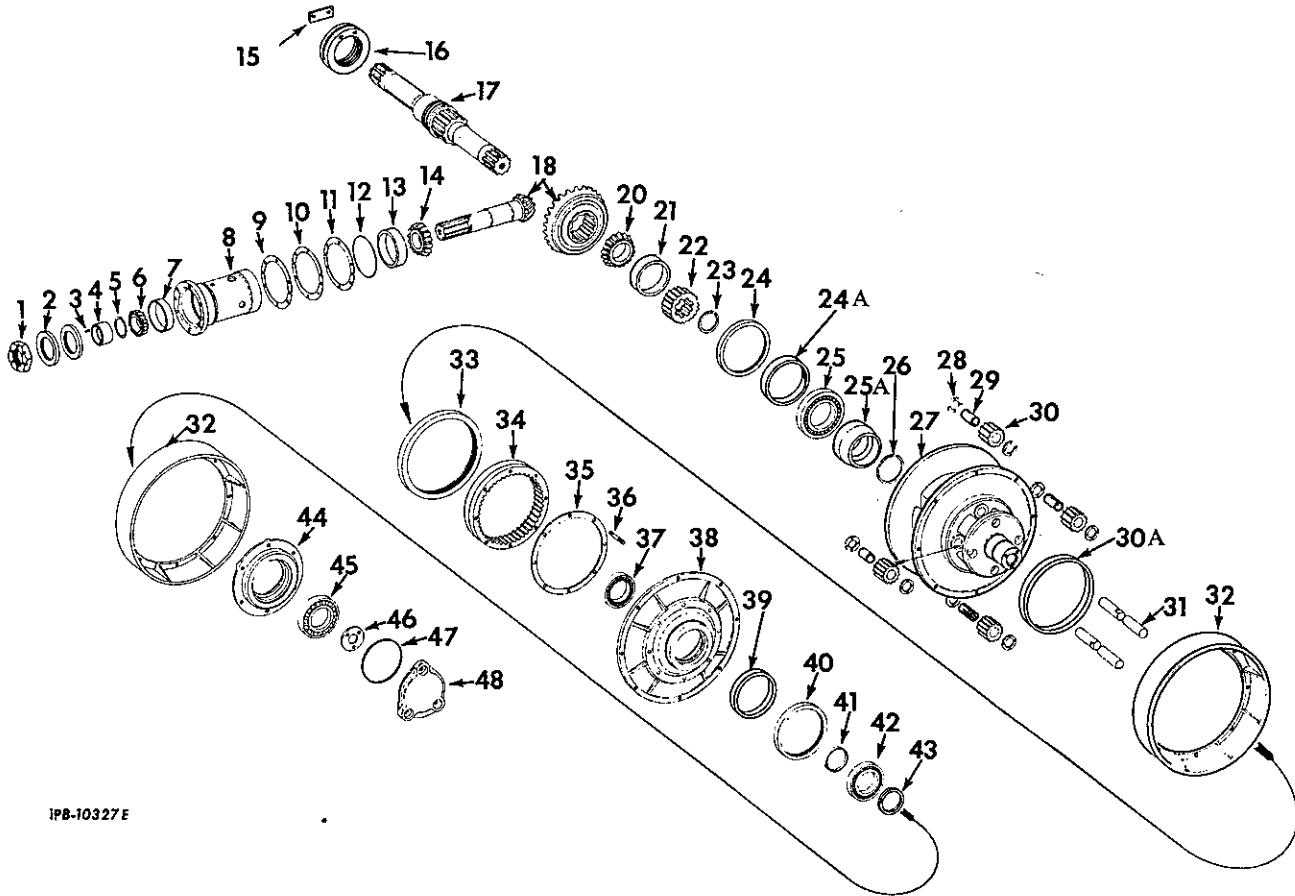
REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	298 552 R3 271 556	HOUSING, main 5/8 x 1-1/4" hex-hd cap SCREW (14)
12	297 781 R1	GASKET, main housing access cover
13	297 780 R1 179 839 103 321	COVER, main housing access 3/8 x 1" hex-hd cap SCREW (13) 3/8" lock WASHER (13)
14	271 848 R1	PLUG, 3/4" csk-hd pipe (stl)
15	297 786 R2	HOUSING, LH outer
16	611 740 C11 271 554 271 556	SUPPORT w/RING, LH outboard bearing 5/8 x 1" hex-hd cap SCREW (6) 5/8 x 1-1/4" hex-hd cap SCREW (7)
	9 409 949	PLUG, 3/4" csk-hd pipe (stl)
	308 701 R1	RING, inner collector (2)
		WIRE, filler pipe breather hole locking (order 278 027 R1)
	278 027 R1	WIRE, bulk lock (No. 16 ga.) (.0625) (customer must specify amount required)

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MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT

TRANSMISSION



IPB-10327 E

MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT

TRANSMISSION - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	37 608 H 103 413	NUT, spiral bevel pinion lock 3/16 x 2-1/2" cotter PIN
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing
8	333 402 R1 179 840 103 321	CAGE, pinion 3/8 x 1-1/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
9	286 336 R1	SHIM, pinion cage (.005) (6 or as required)
10	286 337 R1	SHIM, pinion cage (.007) (6 or as required)
11	286 338 R1	SHIM, pinion cage (.020) (2 or as required)
12	297 801 R1	GASKET, pinion cage

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	107 577 R1	CUP, rear spiral bevel pinion tapered roller bearing
14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
15	311 774 R1 179 881	PLATE, lock 1/2 x 1" hex-hd cap SCREW (2)
16	311 731 R1	NUT, lock
17	311 728 R1	SHAFT, spiral bevel gear
18	333 403 R92	SHAFT, bevel pinion (matched set)
20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)
21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)
22	286 361 R1	GEAR, sun (20-T) (2)
23	297 811 R1	RING, sun gear snap (2)
24		(Order 323 656 R91)
24A	307 833 R1	SLEEVE, oil seal wear (2)

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**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

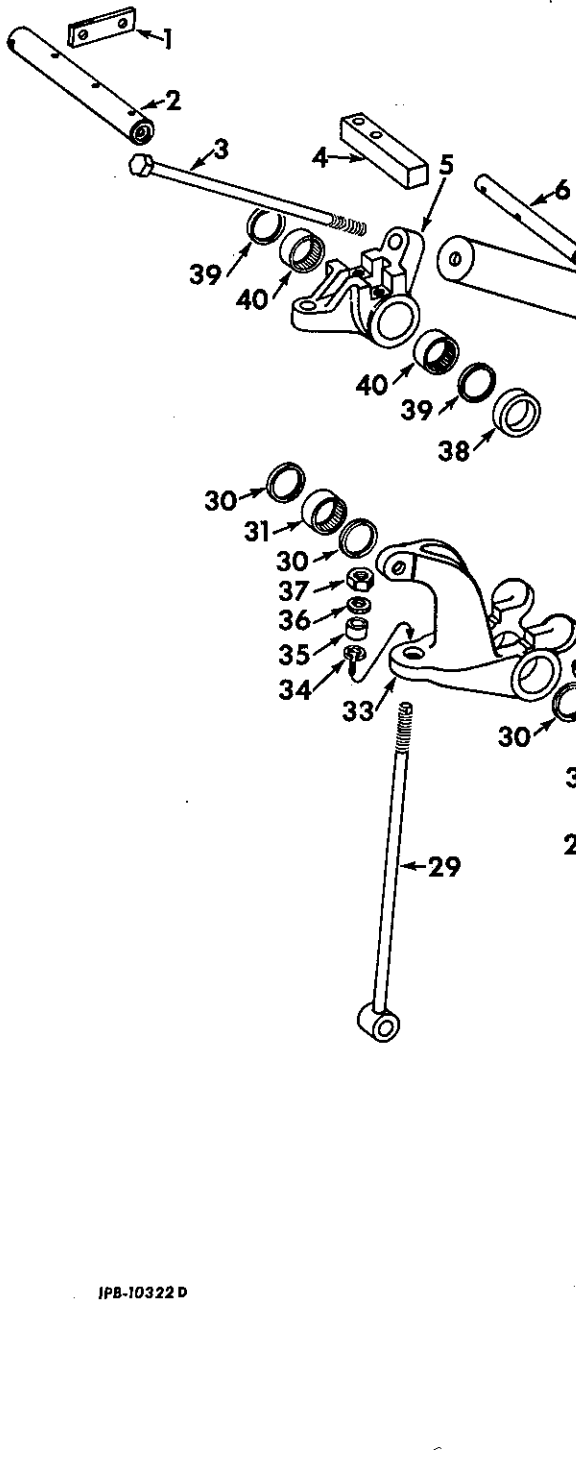
REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED		
25	298 190 R91	BEARING, cable drum cylindrical roller (2)
25A	326 451 R1	BLOCK, guide (2)
26	324 738 R1	RING, cable drum bearing snap (2)
27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable (2)
28	286 514 R1	WASHER, planet pinion gear thrust (16)
29	M 85 097	BEARING, planet pinion gear journal roller (8)
30	286 513 R1	GEAR, planet pinion (8)
30A	307 832 R1	SLEEVE, oil seal wear (2)
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (8) PIN, cotter (8)
32	297 813 R1 179 882	DRUM, brake (4) 1/2 x 1-1/8" hex-hd cap SCREW (32)
33		(Order 323 657 R91)
34	286 981 R1	GEAR, ring (2)
35	286 521 R1	GASKET, ring gear (2)
36	286 520 R1 17 234 R1	STUD, 3/8NF x 2-3/4" ring head (16) NUT, 3/8NF elastic stop (16)
37		BEARING, planetary housing inner (order 324 739 R91) (2)
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary (2)
39	307 833 R1	SLEEVE, oil seal wear (2)
40		(Order 323 656 R91)
41		SPACER, planetary housing bearing (order 324 739 R91) (2)
42		BEARING, planetary housing outer (order 324 739 R91) (2)
43	326 308 R1	SPACER, brake drum hub bearing (2)
44	297 814 R2	HUB, brake drum (2)
45	ST 274	BEARING, brake drum hub (2)
46	297 816 R2 179 839 103 321	RETAINER, brake drum hub bearing (2) 3/8 x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
47	297 820 R1	GASKET, end cover (2)
48	8 232 DB 179 881	COVER, end (2) 1/2 x 1" hex-hd cap SCREW (6)
	324 739 R91	BEARING, planetary housing (consists of Ref Nos 37, 41 and 42) (2)
	311 524 R1	GASKET, cable drum (2)
	323 656 R91	PACKAGE, oil seal and wear sleeve service (consists of OIL SEAL and SLEEVE, 307 833 R1) (X)
	323 657 R91	PACKAGE, oil seal and wear sleeve service (consists of OIL SEAL and SLEEVE, 307 832 R1) (X)

**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED		
308 782 R1		SHIM, outer bearing retainer (.020) (2 or as required)
308 783 R1		SHIM, outer bearing retainer (.007) (6 or as required)
308 784 R1		SHIM, outer bearing retainer (.005) (6 or as required)
311 627 R1		SHIM, roller bearing (.005) (X)
311 628 R1		SHIM, roller bearing (.007) (X)

MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

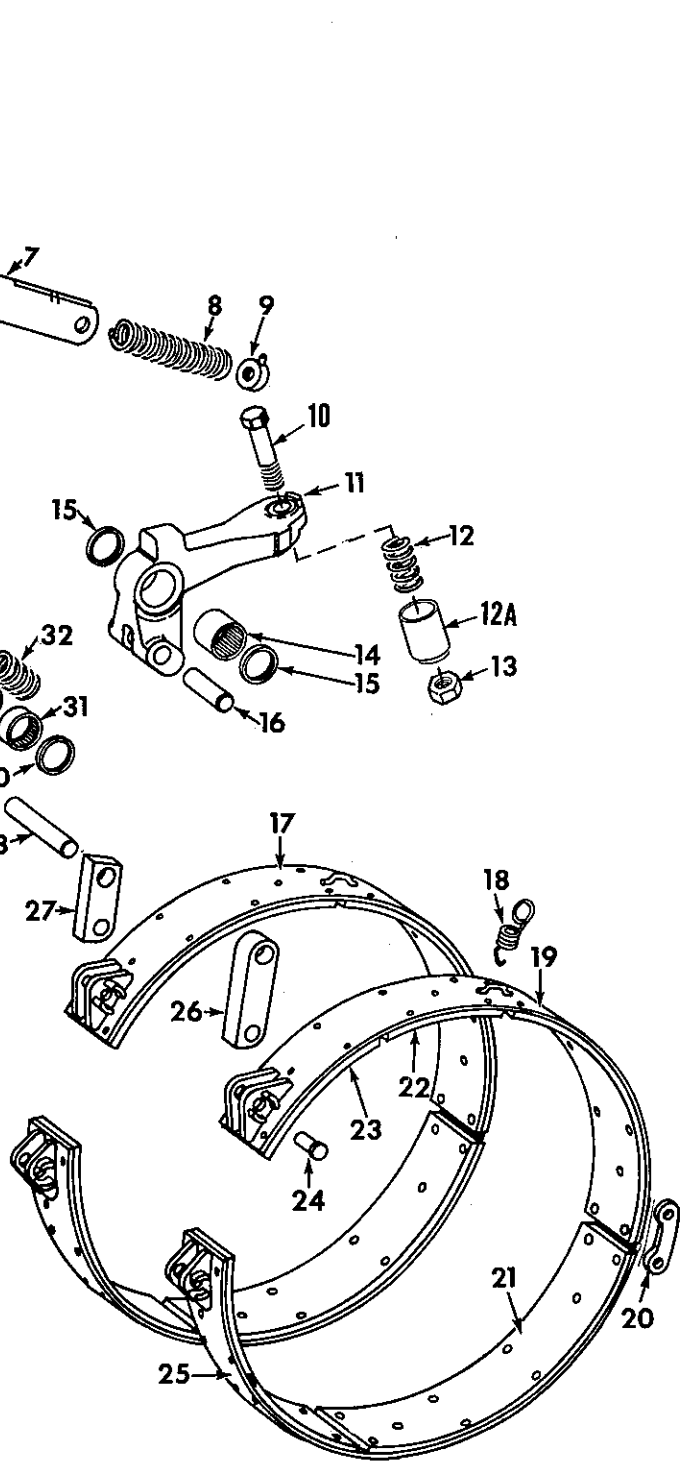
OPERATING LEVERS AND BRAKE BAND



IPB-10322D

MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

OPERATING LEVERS AND BRAKE BAND -- CONTINUED



MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND -- CONTINUED		
1	298 273 R1 179 814 103 320	PLATE, operating lever shaft lock (2) 5/16 x 5/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
2	297 719 R1	SHAFT, operating lever (2)
3	297 721 R1	SCREW, brake adjusting (2)
4	297 716 R1 179 885	BAR, brake lever (2) 1/2 x 1-1/2" hex-hd cap SCREW (4)
5	297 715 R2	LEVER, brake (2)
6	297 723 R1 103 408	PIN, brake spring housing 3/16 x 1-1/4" cotter PIN (4)
7	297 720 R11	HOUSING, brake spring (2)
8	287 015 R2	SPRING, brake (2)
9	297 722 R11	BLOCK w/DOWEL, brake spring guide end (2)
10	271 570	SCREW, 5/8 x 4" hex-hd cap (brake release lever) (2)
11	297 718 R1 265 923 R1	LEVER, brake release (2) PIN, 3/16 x 1-1/4" roll
12	287 020 R1 103 345	SPRING, brake release lever (2) 21/32 x 1-5/16" x 13 ga WASHER (2)
12A	623 485 C1	STOP, brake release lever
13	114 507	NUT, 5/8" jam (2)
14	914 455 R91	BEARING, brake release lever needle (2)
15	287 058 R91	OIL SEAL, brake release lever bearing (4)
16	297 709 R1	PIN, clutch anchor upper (2)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (4)
18	309 944 R1	SPRING, extension (4)
19	298 926 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, LH clutch (upper)
19	299 516 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, RH clutch (upper)
20	297 706 R1	LINK, brake band connecting (4)
21	297 704 R1 21 407 H	LINING, brake and clutch (7) RIVET, 3/16 x 7/16" (70)
22	299 715 R1 21 407 H	LINING, clutch RIVET, 3/16 x 7/16" (5)
22	323 562 R1 21 407 H	LINING, clutch (part of ATTACHMENT, 323 560 R91) (15) RIVET, 3/16 x 7/16" (85)
23	299 714 R1 21 407 H	LINING, metallic clutch RIVET, 3/16 x 7/16" (5)
23	299 714 R1 21 407 H	LINING, metallic (part of ATTACHMENT, 323 560 R91) RIVET, 3/16 x 7/16" (5)
24	297 707 R1	PIN, brake band connecting link (8) 1/8 x 1-3/4" cotter PIN (8)
24	297 707 R1	PIN, brake anchor lower (2) 1/8 x 1-3/4" cotter PIN (2)
24	297 707 R1	PIN, clutch anchor lower (2) 1/8 x 1-3/4" cotter PIN (2)

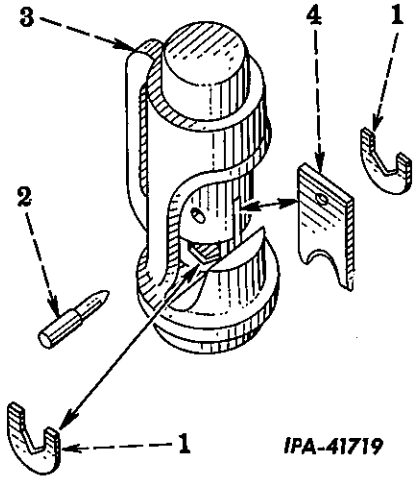
MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND -- CONTINUED		
24	297 707 R1 103 388	PIN, tension rod lower (4) 1/8 x 1-3/4" cotter PIN (4)
25	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, clutch (lower) (2)
26	297 708 R2	PAWL, clutch anchor (2)
27	297 710 R2	PAWL, brake anchor (2)
28	297 711 R1	PIN, brake anchor upper (2)
29	297 712 R2	ROD, tension (4)
30	287 058 R91	OIL SEAL, clutch lever bearing (8)
31	298 175 R91	BEARING, clutch lever needle (4)
32	287 009 R1	SPRING, clutch (2)
33	297 717 R1	LEVER, clutch (2)
34	238 627 R1	RING, clutch lever bushing snap (2)
35	298 098 R91	BUSHING, clutch lever self-aligning (2)
35	298 098 R91	BUSHING, brake lever self-aligning (4)
36	297 714 R1	SPACER, tension rod (6)
37	454 522 R1	NUT, 1/2" elastic stop (4)
38	298 274 R1	SPACER, brake lever (2)
39	287 058 R91	OIL SEAL, brake lever bearing (4)
40	298 175 R91	BEARING, brake lever needle (4)
	323 560 R91	ATTACHMENT, heavy duty lining (See NOTE 3) (composed of - fifteen LINING, 323 562 R1, LINING, 299 714 R1 and ninety RIVET, 21 407 H)
	114 505	NUT, 1/2" jam (4)
	103 865	PLUG, 1/8" NPT sq-hd pipe (2)
	138 806	SCREW, 1/2 x 3" hex-soc ov-pt set (4)
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.		

MODEL 15B-260 DOUBLE DRUM REAR-CABLE CONTROL UNIT

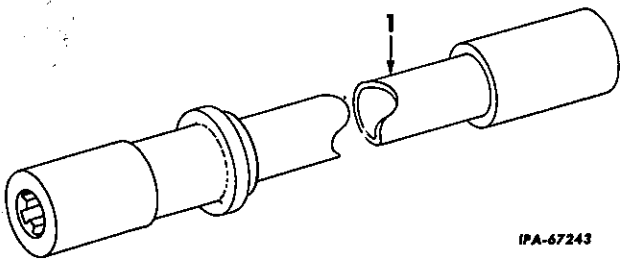
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CABLE CUTTER



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	289 203 R1	BLADE, bottom (2)
2	289 204 R1	PIN, top cutting blade locking
3	286 552 R91	CUTTER ASSEMBLY, cable (Composed of -
	1	BLADE 289 202 R1
	2	BLADE 289 203 R1
	1	PIN 265 923 R1
	1	PIN 289 204 R1)
4	289 202 R1	BLADE, top cutting
	265 923 R1	PIN, 3/16 x 1-1/4" roll

POWER TAKE-OFF SHAFT



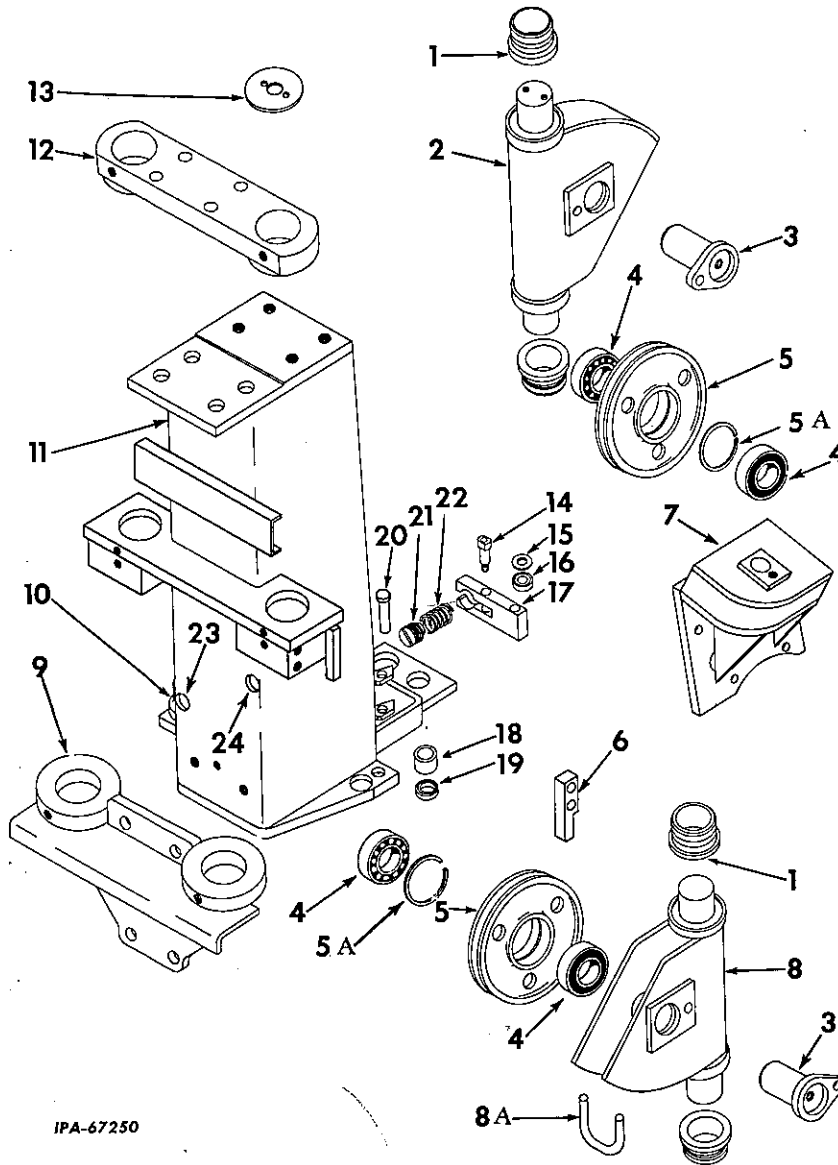
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	333 425 R11	SHAFT, power take-off

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**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

FAIRLEAD



IPA-67250

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	286 385 R1	BUSHING, fairlead frame (8)
2	308 770 R91	FRAME, upper fairlead (2)
3	289 273 R11 271 554	SHAFT, fairlead sheave (4) 5/8 x 1" hex-hd cap SCREW (4)
4	ST 596	BEARING, fairlead sheave (8)
5	294 866 R1	SHEAVE, fairlead (4)
5A	290 358 R1	RING, sheave bearing retainer (4)

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**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

FAIRLEAD - CONTINUED

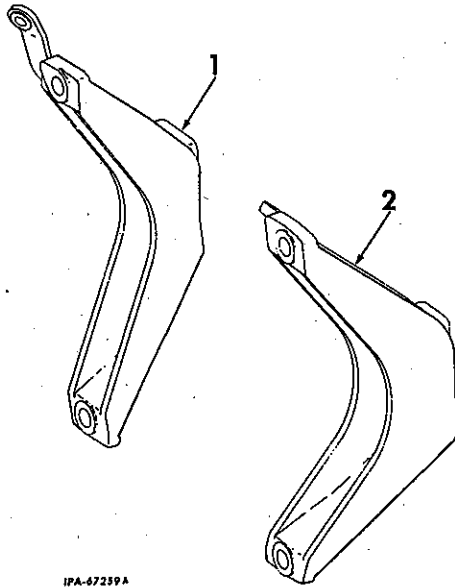
REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	326 122 R1 271 562	STOP, lower movable sheave 5/8 x 2" hex-hd cap SCREW (2)
7	333 413 R91 271 560	HOUSING, side sheave 5/8 x 1-3/4" hex-hd cap SCREW (4)
8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead (2)
8A	308 802 R2	STIFFENER, lower, fairlead frame (2)
9	308 765 R11 220 081 271 611	SUPPORT, tower lower bearing 3/4" NUT (2) 3/4 x 2" hex-hd cap SCREW (4)

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**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FAIRLEAD - CONTINUED		
10	286 552 R91	CUTTER, cable (for components see list of parts under details of "Cable Cutter")
11	620 720 C91	TOWER w/CUTTER, 286 552 R91, side and fairlead sheave
	271 611	3/4 x 2" hex-hd cap SCREW (4)
12	308 764 R11	SUPPORT, tower upper bearing
	220 081	3/4" NUT (4)
	271 614	3/4 x 2-3/4" hex-hd cap SCREW (4)
13	286 464 R1	SHIELD, fairlead frame bushing dust (2)
	179 791	1/4 x 1/2" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
14	308 762 R1	SHAFT, tower tiller lockout follower (2)
	102 635	3/8" NUT (2)
	103 321	3/8" lock WASHER (2)
15	308 761 R1	WASHER, tower tiller lockout follower thrust (4)
16	309 059 R91	BEARING, tower tiller lockout roller follower (2)
17	308 760 R1	FOLLOWER, tower tiller lockout spring (2)

MOUNTING BRACKET



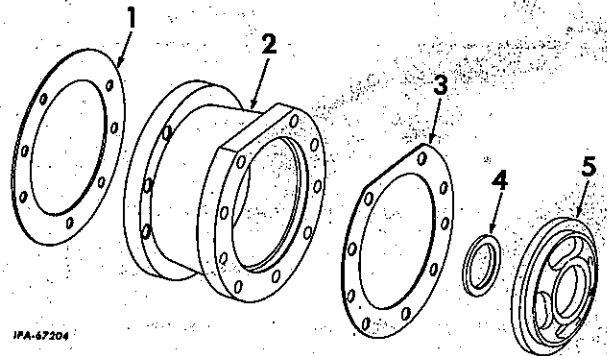
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	600 666 C1	BRACKET, LH mounting (will work for BRACKET, 335 960 R1)
	271 652	7/8 x 2-1/4" hex-hd cap SCREW (2)
	274 185	1-1/8 x 2-1/2" hex-hd cap SCREW (2)
2	335 961 R2	BRACKET, RH mounting
	271 658	7/8 x 2-1/2" hex-hd cap SCREW (2)
	274 185	1-1/8 x 2-1/2" hex-hd cap SCREW (2)

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**MODEL 15B-260 DOUBLE DRUM
REAR-CABLE CONTROL UNIT**

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FAIRLEAD - CONTINUED		
18	298 175 R91	BEARING, tower tiller support needle (2)
19	287 058 R91	OIL SEAL, tower tiller support bearing (4)
20	309 749 R1	PIN, end (2)
	108 630	1/8 x 7/8" cotter PIN (2)
21	308 763 R1	ADJUSTMENT, tower tiller lockout spring (2)
22	287 009 R1	SPRING, tower tiller lockout (2)
23		(Screw adjustment hole)
24		(Screw adjustment hole)
	138 322 H	FITTING, lubrication 1/8" (optional with 109 461) (12)
	109 461	FITTING, lubrication 1/8" (optional with 138 322 H) (12)
	109 462	FITTING, lubrication (optional with 271 285) (2)
	271 285	FITTING, lubrication (optional with 109 462) (2)

ADAPTER AND RELATED PARTS

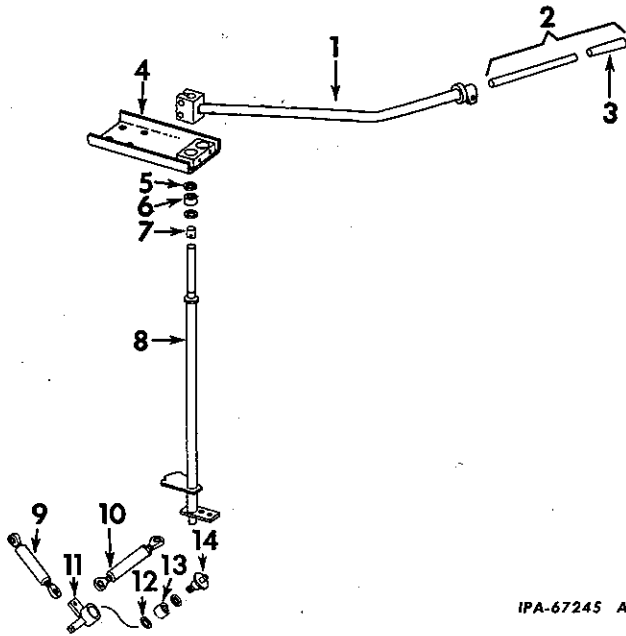


REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	286 442 R1	GASKET, adapter to gear case
2	335 959 R1	ADAPTER
	102 639	5/8" NUT (7)
	271 559	5/8 x 1-5/8" hex-hd cap SCREW (9)
	271 563	5/8 x 2-1/4" hex-hd cap SCREW (7)
3	325 429 R1	GASKET, adapter to tractor
4	286 450 R1	WASHER, thrust
5	286 449 R1	PLATE, centering

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**MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT**

**CABLE OPERATING CONTROLS
(Rear Mounted)**



IPA-67245 A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	342 491 R11 102 639 271 565	LEVER, tower tiller 5/8" NUT (2) 5/8 x 2-3/4" hex-hd cap SCREW (2)
2	293 808 R91 179 883 103 323	HANDLE, w/GRIP, 619 405 C1, tower tiller lever 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" heavy lock WASHER (2)
3	619 405 C1	GRIP, tower tiller lever handle
4	308 807 R11 271 556	SUPPORT, tower tiller upper 5/8 x 1-1/4" hex-hd cap SCREW (4)
5	287 058 R91	OIL SEAL, tower tiller upper bearing oil (2)
6	298 175 R91	BEARING, tower tiller upper
7	308 813 R1	RACE, tower tiller post inner (2)
8	308 810 R12	POST, w/two RACE, 308 813 R1, tower tiller bowl
9	308 820 R91 102 637 179 887 179 885	LINK, control (long) 1/2NF NUT (2) 1/2NF x 1-3/4" hex-hd cap SCREW 1/2NF x 1-1/2" hex-hd cap SCREW
10	308 822 R91 103 028 181 431	LINK, control adjustable 1/2NF hex NUT (2) 1/2NF x 1-1/2" hex-hd cap SCREW (2)
11	308 815 R91	BELLCRANK, control link

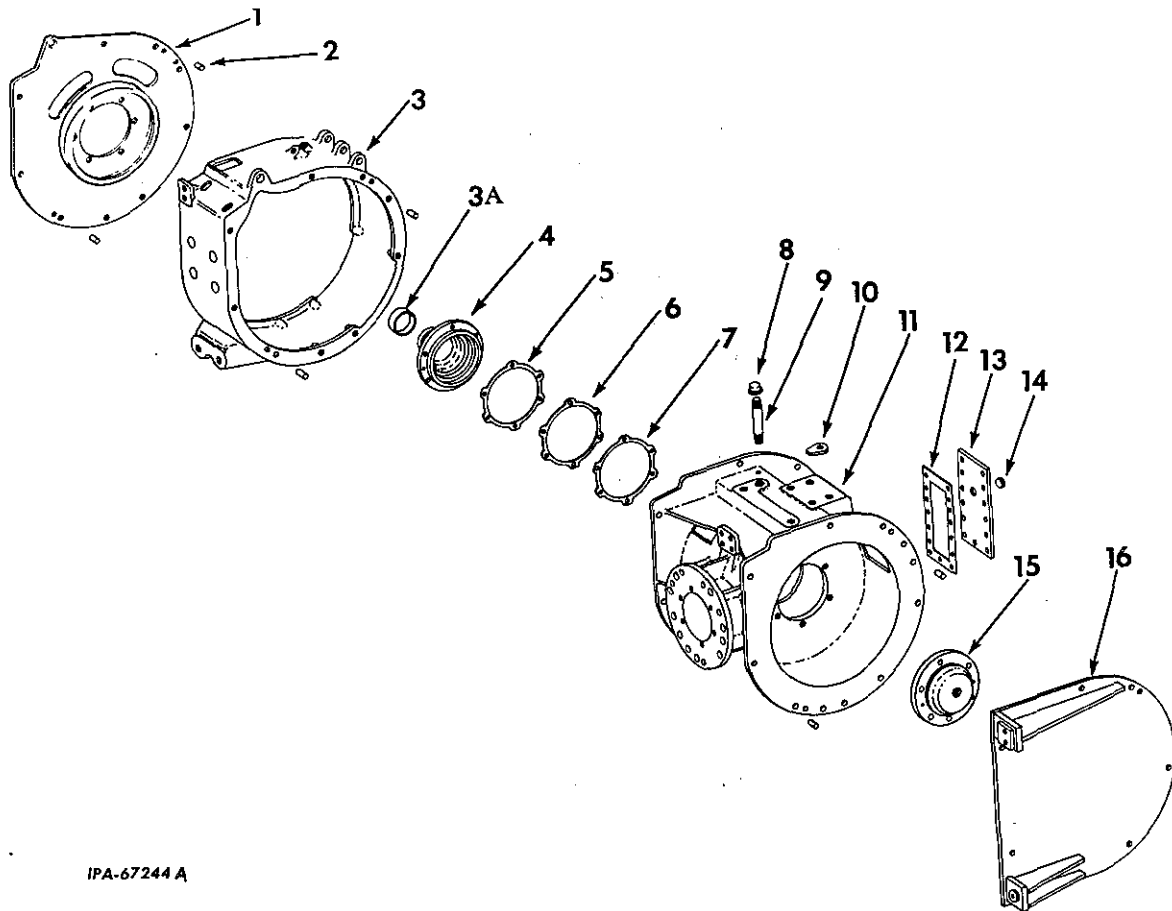
**MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT**

**CABLE OPERATING CONTROLS - CONTINUED
(Rear Mounted)**

REF. NO.	I.H. PART NUMBER	DESCRIPTION
12	287 058 R91	OIL SEAL, control link bellcrank bearing oil (2)
13	914 455 R91	BEARING, control link bellcrank
14	308 818 R11 218 443	BOLT, control link bellcrank 3/4" jam NUT
	109 460	FITTING, 1/8" x 60° lubrication (2)
	102 467 H	FITTING, 1/4" straight lubrication (optional with 110 146 R91) (2)
	110 146 R91	FITTING, 1/4" straight lubrication (optional with 102 467 H) (2)
	126 118	FITTING, 1/8" x 90° lubrication (optional with 273 352)
	273 352	FITTING, 1/8" x 90° lubrication (optional with 126 118)
	117 175	FITTING, 1/4 x 45° lubrication (optional with 274 508) (2)
	274 508	FITTING, 1/4" x 45° lubrication (optional with 117 175) (2)

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

HOUSING



IPA-67244 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	611 741 C11 271 556 271 554	SUPPORT w/RING, outboard bearing 5/8 x 1-1/4" hex-hd cap SCREW (4) 5/8 x 1" hex-hd cap SCREW (5)
2	286 958 R1	PIN, dowel outer housing (4)
3	297 787 R2	HOUSING, RH outer
3A	307 833 R1	SLEEVE, oil seal wear
4	326 450 R11 25 125 D 102 637	QUILL w/SLEEVE, 307 833 R1, drum (Together w/BLOCK, 326 451 R1 and RING, 324 738 R1 will work for QUILL, 297 783 R21) STUD, drum quill (12) 1/2" NUT (12)
5	286 355 R1	SHIM, drum quill (.005) (6)
6	286 356 R1	SHIM, drum quill (.007) (6)
7	286 357 R1	SHIM, drum quill (.020) (2)
8	108 689	CAP, 1" pipe (MI)
9	297 782 R1	PIPE, filler
10	286 556 R1 179 843	WEDGE, cable (spare) (3) 3/8 x 1-1/2" hex-hd cap SCREW

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MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

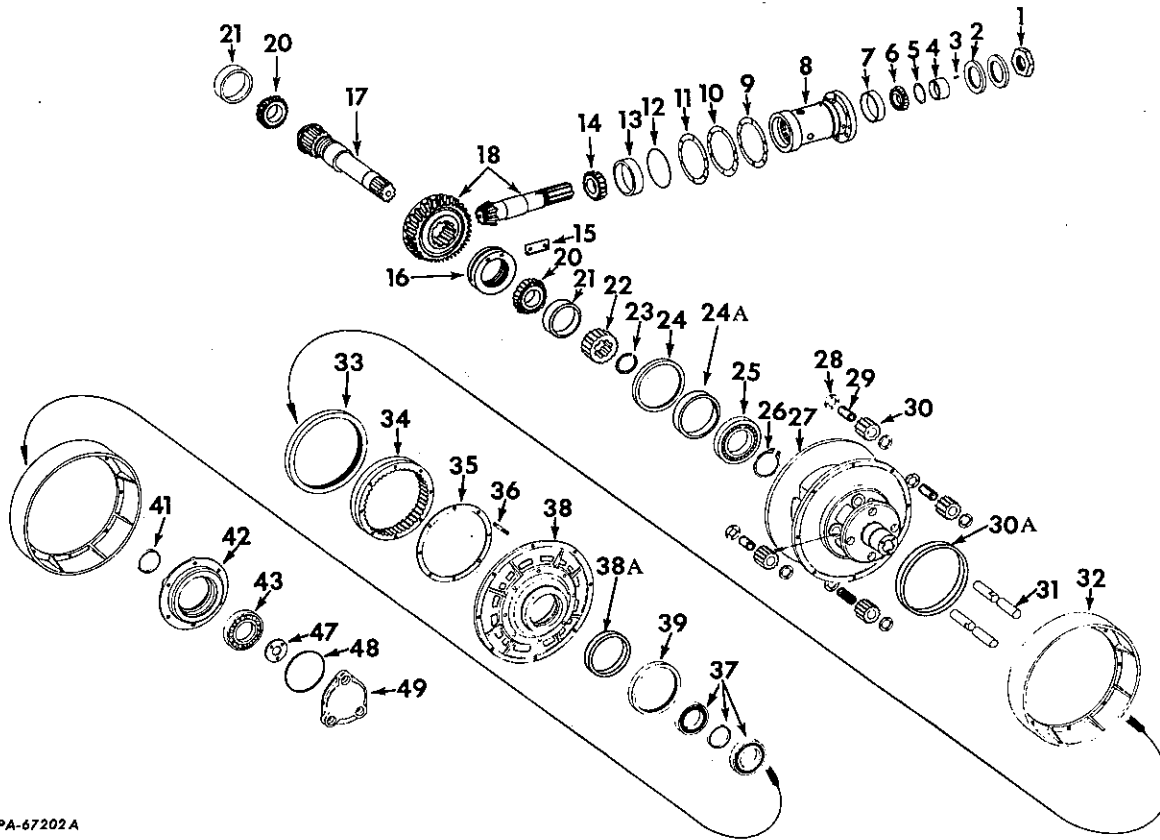
HOUSING - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
11	298 552 R3 271 556	HOUSING, main 5/8 x 1-1/4" hex-hd cap SCREW (7)
12	297 781 R1	GASKET, main housing access cover
13	297 780 R1 179 839 103 321	COVER, main housing access 3/8 x 1" hex-hd cap SCREW (13) 3/8" lock WASHER (13)
14	9 409 949	PLUG, 3/4" csk-hd pipe (stl) (2)
15	342 029 R11	SUPPORT, main shaft
16	600 667 C91 102 639 271 560	PLATE, side cover 5/8" NUT (7) 5/8 x 1-3/4" hex-hd cap SCREW (7)
	342 031 R1	PLATE, dowel pin support (2)
	308 701 R1	RING, inner collector
		WIRE, filler pipe breather hole locking (order 278 027 R1)
	278 027 R1	WIRE, bulk locking (No. 16 ga.) (.0625) (customer must specify amount required)

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MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

TRANSMISSION



IPA-67202A

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

TRANSMISSION - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	37 608 H 103 413	NUT, spiral bevel pinion lock 3/16 x 2-1/2" cotter PIN
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing
8	333 402 R1 179 840 103 321	CAGE, pinion 3/8 x 1-1/8" hex-hd cap SCREW (6) 3/8" lock WASHER
9	286 336 R1	SHIM, pinion cage (.005) (6 or as required)
10	286 337 R1	SHIM, pinion cage (.007) (6 or as required)
11	286 338 R1	SHIM, pinion cage (.020) (2 or as required)
12	297 801 R1	GASKET, pinion cage

REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	107 577 R1	CUP, spiral bevel pinion tapered roller bearing
14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
15	311 774 R1 179 881	PLATE, lock 1/2 x 1" hex-hd cap SCREW (2)
16	311 731 R1	NUT, lock
17	342 036 R1	SHAFT, spiral bevel gear
18	333 403 R92	SHAFT w/GEAR, bevel pinion (matched set)
20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)
21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)
22	286 361 R1	GEAR, sun (20-T)
23	297 811 R1	RING, sun gear snap (Order 323 656 R91)
24		

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED		
24A	307 833 R1	SLEEVE, oil seal wear
25	298 190 R91	BEARING, cable drum cylindrical roller
26	324 738 R1	RING, cable drum bearing snap
27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable
28	286 514 R1	WASHER, planet pinion gear thrust (8)
29	M 85 097	BEARING, planet pinion gear journal roller (4)
30	286 513 R1	GEAR, planet pinion (4)
30A	307 832 R1	SLEEVE, oil seal wear
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (4) PIN, cotter (4)
32	297 813 R1 179 882	DRUM, brake (2) 1/2 x 1-1/8" hex-hd cap SCREW (16)
33		(Order 323 657 R91)
34	286 981 R1	GEAR, ring
35	286 521 R1	GASKET, ring gear
36	286 520 R1 17 234 R1	STUD, 3/8NF x 2-3/4" ring head (8) NUT, 3/8NF elastic stop (8)
37	324 739 R91	BEARING, planetary housing inner
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary
38A	307 833 R1	SLEEVE, oil seal wear
39		(Order 323 656 R91)
41	326 308 R1	SPACER, brake drum hub bearing
42	297 814 R2	HUB, brake drum
43	ST 274	BEARING, brake drum hub
47	297 816 R2 179 839 103 321	RETAINER, brake drum hub bearing 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
48	297 820 R1	GASKET, end cover
49	8 232 DB 179 881	COVER, end 1/2 x 1" hex-hd cap SCREW (3)
	326 451 R1	BLOCK, guide
	311 524 R1	GASKET, cable drum
	323 657 R91	PACKAGE; oil seal and wear sleeve service (consists of SLEEVE, 307 832 R1 and OIL SEAL)
	323 656 R91	PACKAGE, oil seal and wear sleeve service (consists of SLEEVE, 307 833 R1, and OIL SEAL) (2)

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED		
308 782 R1		SHIM, outer bearing retainer (.020) (1 or as required)
308 783 R1		SHIM, outer bearing retainer (.007) (3 or as required)
308 784 R1		SHIM, outer bearing retainer (.005) (3 or as required)
311 627 R1		SHIM, roller bearing (.005) (X)
311 628 R1		SHIM, roller bearing (.007) (X)
307 832 R1		SLEEVE, oil seal wear (large)
307 833 R1		SLEEVE, oil seal wear (small) (2)

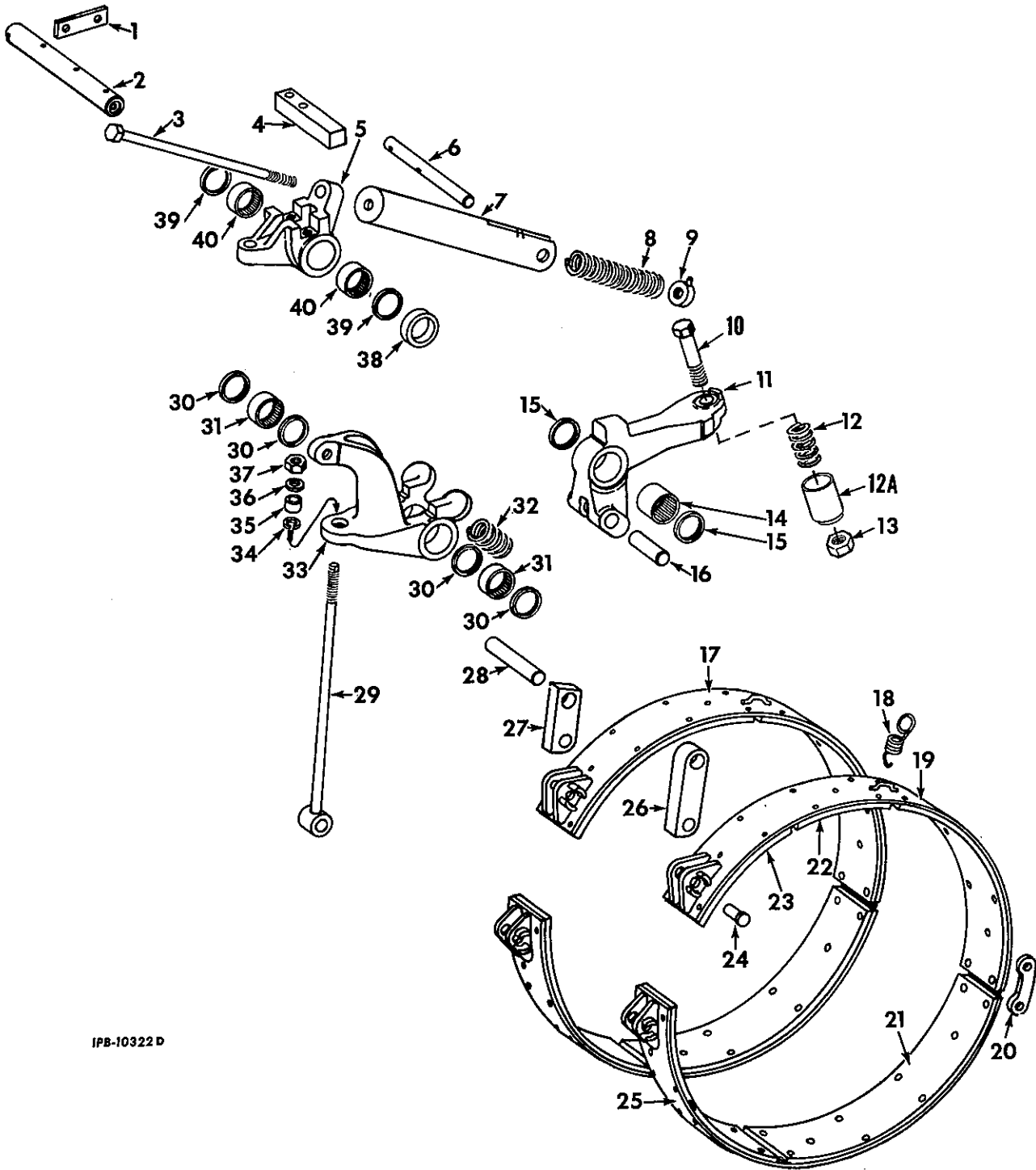
X - As Required.

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

OPERATING LEVERS AND BRAKE BAND

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

OPERATING LEVERS AND BRAKE BAND - CONTINUED



IPB-10322 D

MODEL 15B-260S SINGLE DRUM REAR-CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - CONTINUED		
1	298 273 R1 179 814 103 320	PLATE, operating lever shaft lock 5/16 x 5/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
2	297 719 R1	SHAFT, operating lever
3	297 721 R1	SCREW, brake adjusting
4	297 716 R1 179 885	BAR, brake lever 1/2 x 1-1/2" hex-hd cap SCREW (2)
5	297 715 R2	LEVER, brake
6	297 723 R1 103 408	PIN, brake spring housing 3/16 x 1-1/4" cotter PIN (2)
7	297 720 R11	HOUSING, brake spring
8	287 015 R2	SPRING, brake
9	297 722 R11	BLOCK w/DOWEL, brake spring guide end
10	271 570	SCREW, 5/8 x 4" pitman arm stop
11	297 718 R1 265 923 R1	LEVER, brake release PIN, 3/16 x 1-1/4" roll
12	287 020 R1 103 345	SPRING, brake release lever 21/32 x 1-5/16 x 13 ga WASHER
12A	623 485 C1	STOP, brake release lever
13	114 507	NUT, 5/8" jam
14	914 455 R91	BEARING, brake release lever needle
15	287 058 R91	OIL SEAL, brake release lever bearing (2)
16	297 709 R1	PIN, clutch anchor upper
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (2)
18	309 944 R1	SPRING, extension (2)
19	299 516 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING 299 715 R1 and twenty RIVET, 21 407 H, RH clutch (upper)
20	297 706 R1	LINK, brake band connecting (2)
21	297 704 R1 21 407 H	LINING, brake and clutch (7) RIVET, 3/16 x 7/16" (70)
22	299 715 R1 21 407 H	LINING, clutch RIVET, 3/16 x 7/16" (5)
22	323 562 R1 21 407 H	LINING, clutch (part of ATTACHMENT, 323 560 R91) (15) RIVET, 3/16 x 7/16" (90)
23	299 714 R1 21 407 H	LINING, metallic clutch RIVET, 3/16 x 7/16" (5)
23	299 714 R1 21 407 H	LINING, metallic (part of ATTACHMENT, 323 560 R91) RIVET, 3/16 x 7/16" (5)
24	297 707 R1 103 388	PIN, brake band connecting link (4) 1/8 x 1-3/4" cotter PIN (4)
24	297 707 R1 103 388	PIN, brake anchor lower 1/8 x 1-3/4" cotter PIN
24	297 707 R1 103 384	PIN, clutch anchor lower 1/8 x 3/4" cotter PIN
24	297 707 R1 103 384	PIN, tension rod lower (2) 1/8 x 3/4" cotter PIN (2)
25	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, clutch (lower)

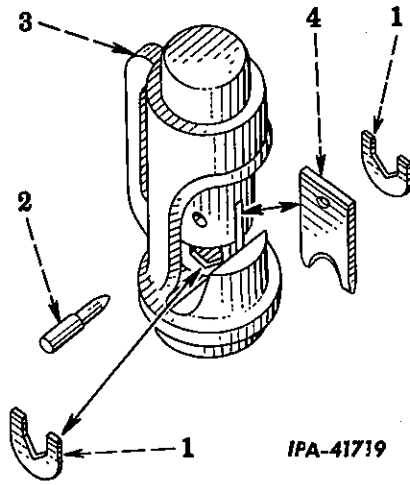
MODEL 15B-260S SINGLE DRUM REAR-CABLE CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - CONTINUED		
26	297 708 R2	PAWL, clutch anchor
27	297 710 R2	PAWL, brake anchor
28	297 711 R1	PIN, brake anchor upper
29	297 712 R2	ROD, tension (2)
30	287 058 R91	OIL SEAL, clutch lever bearing (4)
31	298 175 R91	BEARING, clutch lever needle (2)
32	287 009 R1	SPRING, clutch
33	297 717 R1	LEVER, clutch
34	238 627 R1	RING, clutch lever bushing stop
35	298 098 R91	BUSHING, clutch lever self-aligning
35	298 098 R91	BUSHING, brake lever self-aligning (2)
36	297 714 R1	SPACER, tension rod (3)
37	454 522 R1	NUT, 1/2" elastic stop (2)
38	298 274 R1	SPACER, brake lever
39	287 058 R91	OIL SEAL, brake lever bearing (2)
40	298 175 R91	BEARING, brake lever needle (2)
	323 560 R91	ATTACHMENT, heavy duty lining (See NOTE 3) (composed of - fifteen LINING, 323 562 R1, LINING, 299 714 R1 and ninety RIVET, 21 407 H)
	114 505	NUT, 1/2" jam (2)
	103 865	PLUG, 1/8" NPT sq-hd pipe
	139 886	SCREW, 1/2 x 3" hex-soc oval pt set (2)
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.		

MODEL 15B-260S SINGLE DRUM REAR-CABLE CONTROL UNIT

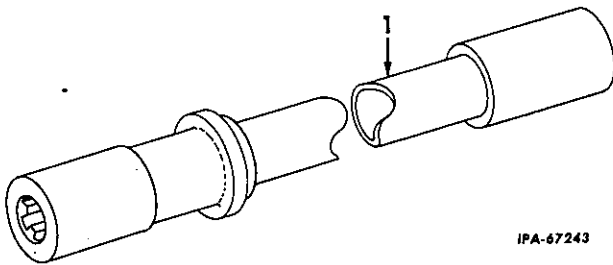
MEMORANDA

CABLE CUTTER



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	289 203 R1	BLADE, bottom (2)
2	289 204 R1	PIN, top cutting blade locking
3	286 552 R91	CUTTER ASSEMBLY, cable (Composed of - 1 BLADE 289 202 R1 2 BLADE 289 203 R1 1 PIN 265 923 R1 1 PIN 289 204 R1)
4	289 202 R1	BLADE, top cutting
	265 923 R1	PIN, 3/16 x 1-1/4" roll

POWER TAKE-OFF SHAFT



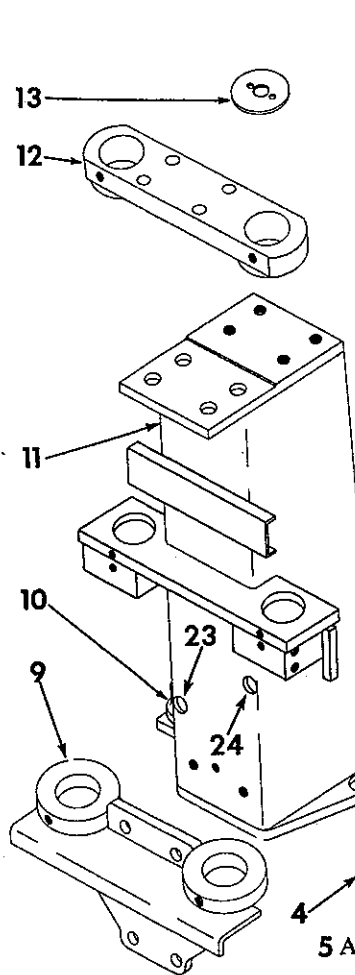
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	333 425 R11	SHAFT, power take-off

MEMORANDA

MEMORANDA

MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

FAIRLEAD



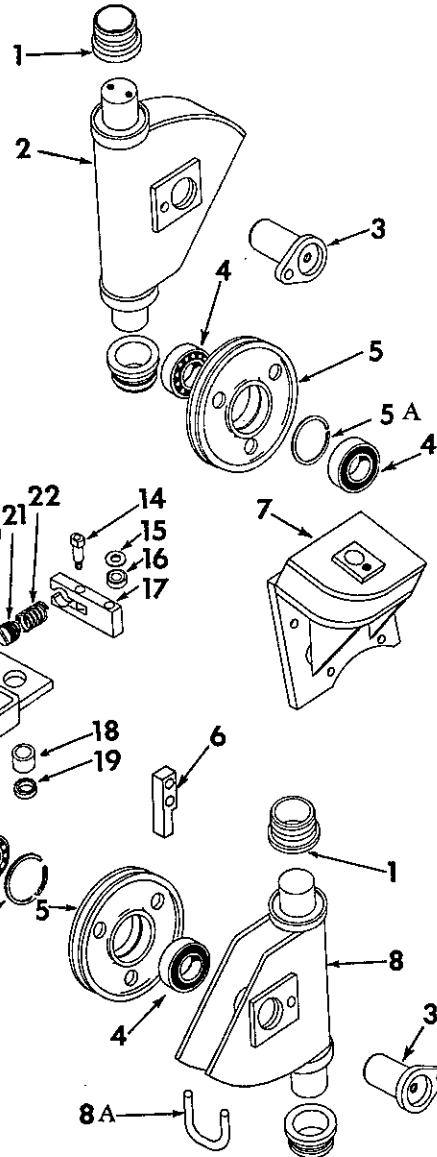
IPA-67250

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	286 385 R1	BUSHING, fairlead frame (4)
2	308 770 R91	FRAME, upper fairlead
3	289 273 R11 271 554	SHAFT, fairlead sheave (2) 5/8 x 1" hex-hd cap SCREW (2)
4	ST 596	BEARING, fairlead sheave (4)
5	294 866 R1	SHEAVE, fairlead (2)
5A	290 358 R1	RING, sheave bearing retainer (2)

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MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

FAIRLEAD - CONTINUED



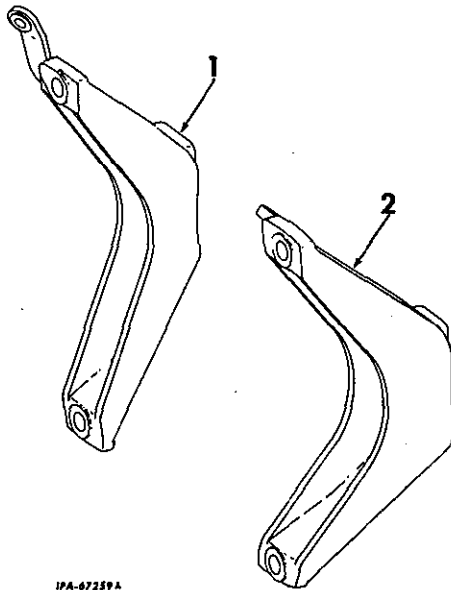
REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	326 122 R1 271 561	STOP, lower movable sheave 5/8 x 2" hex-hd cap SCREW (2)
7	333 413 R91 271 560	BRACKET, side sheave 5/8 x 1-3/4" hex-hd cap SCREW (4)
8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead
8A	308 802 R2	STIFFENER, lower fairlead frame
9	308 765 R11 220 081 271 611	SUPPORT, tower lower bearing 3/4" NUT (2) 3/4 x 2" hex-hd cap SCREW (4)

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**MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT**

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FAIRLEAD - CONTINUED		
10	286 552 R91	CUTTER, cable (for components see list of parts under details of "Cable Cutter")
11	620 720 C91	TOWER w/CUTTER, 286 552 R91, side and fairlead sheave
	271 611	3/4 x 2" hex-hd cap SCREW (4)
12	308 764 R11	SUPPORT, tower upper bearing
	220 081	3/4" NUT (4)
	271 614	3/4 x 2-3/4" hex-hd cap SCREW (4)
13	286 464 R1	SHIELD, fairlead frame bushing dust (2)
	179 791	1/4 x 1/2" hex-hd cap SCREW (4)
	103 319	1/4" lock WASHER (4)
14	308 762 R1	SHAFT, tower tiller lockout follower (2)
	220 081	3/8" NUT (2)
	103 321	3/8" lock WASHER (2)
15	308 761 R1	WASHER, tower tiller lockout follower thrust (4)
16	309 059 R91	BEARING, tower tiller lockout roller follower (2)
17	308 760 R1	FOLLOWER, tower tiller lockout spring (2)

MOUNTING BRACKET



IPA-67259A

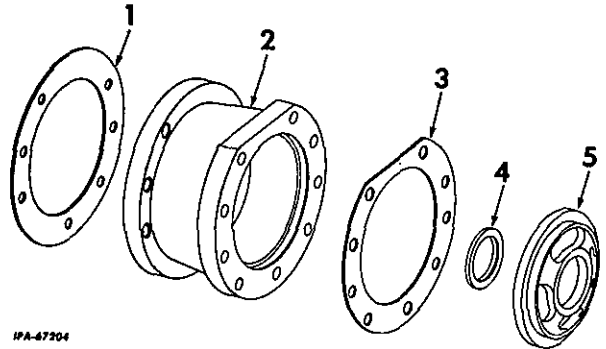
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	600 666 C1	BRACKET, LH mounting
	271 657	7/8 x 2-1/4" hex-hd cap SCREW (2)
	274 185	1-1/8 x 2-1/2" hex-hd cap SCREW (2)
2	335 961 R2	BRACKET, RH mounting
	271 658	7/8 x 2-1/2" hex-hd cap SCREW (2)
	274 185	1-1/8 x 2-1/2" hex-hd cap SCREW (2)

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**MODEL 15B-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT**

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FAIRLEAD - CONTINUED		
18	298 175 R91	BEARING, tower tiller support needle (2)
19	287 058 R91	OIL SEAL, tower tiller support bearing (4)
20	309 749 R1	PIN, end (2)
	108 630	1/8 x 7/8" cotter PIN (2)
21	308 763 R1	ADJUSTMENT, tower tiller lockout spring (2)
22	287 009 R1	SPRING, tower tiller lockout (2)
23		(Screw adjustment hole)
24		(Screw adjustment hole)
	138 322 H	FITTING, lubrication, 1/8" (optional with 109 461) (6)
	109 461	FITTING, lubrication, 1/8" (optional with 138 322 H) (12)
	109 462	FITTING, lubrication (optional with 271 285) (2)
	271 285	FITTING, lubrication (optional with 109 462) (2)

ADAPTER AND RELATED PARTS



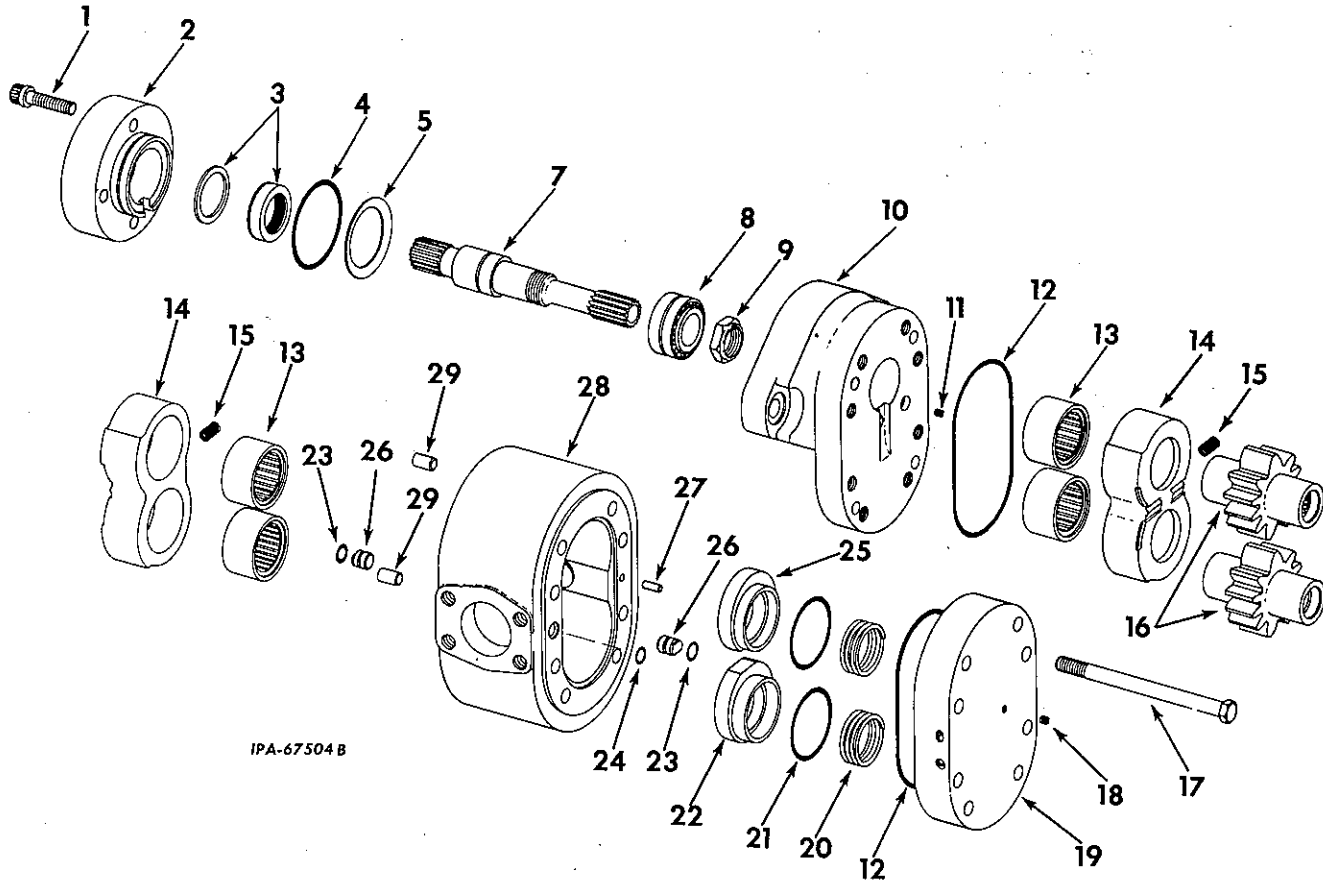
IPA-67204

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	286 442 R1	GASKET, adapter to gear case
2	335 959 R1	ADAPTER
	102 639	5/8" NUT (7)
	271 559	5/8 x 1-5/8" hex-hd cap SCREW (9)
	271 563	5/8 x 2-1/4" hex-hd cap SCREW (7)
3	325 429 R1	GASKET, adapter to tractor
4	286 450 R1	WASHER, thrust
5	286 449 R1	PLATE, centering

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MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC PUMP
(For Manual Shift and Power Shift Crawler Tractors)
TD-15BP 6001 to 20259, TD-15BG 7260 to 20259



MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC PUMP - CONTINUED
(For Manual Shift and Power Shift Crawler Tractors)
TD-15BP 6001 to 20259, TD-15BG 7260 to 20259

REF. NO.	I.H. PART NUMBER	DESCRIPTION
329 071 R91	PUMP ASSY, hydraulic	
		TD-15BP 6001 to 20259
		TD-15BG 7260 to 20259
		(Order the following parts -
	1 PUMP	610 729 C91
	1 TUBE	611 665 C91
	1 TUBE	611 666 C91
271 562	5/8 x 2" hex-hd cap SCREW (2)	
1	328 110 R1	BOLT (4)
2	328 120 R1	PILOT, mounting
3	600 228 C91	PACKAGE, oil seal and spacer field service
4	343 924 R1	"O" RING (203/4 x 2-15/16 x 3/32")
5	328 111 R1	WASHER, spring
7	342 038 R2	SHAFT, pump
8	328 107 R91	BEARING, shaft
9	20 017 R1	NUT, bearing lock
10	328 126 R11	FLANGE w/PLUG, 328 127 R1, mounting
11	328 127 R1	PLUG, orifice
12	343 942 R1	"O" RING (5-3/8 x 5-5/8 x 1/8") (2)

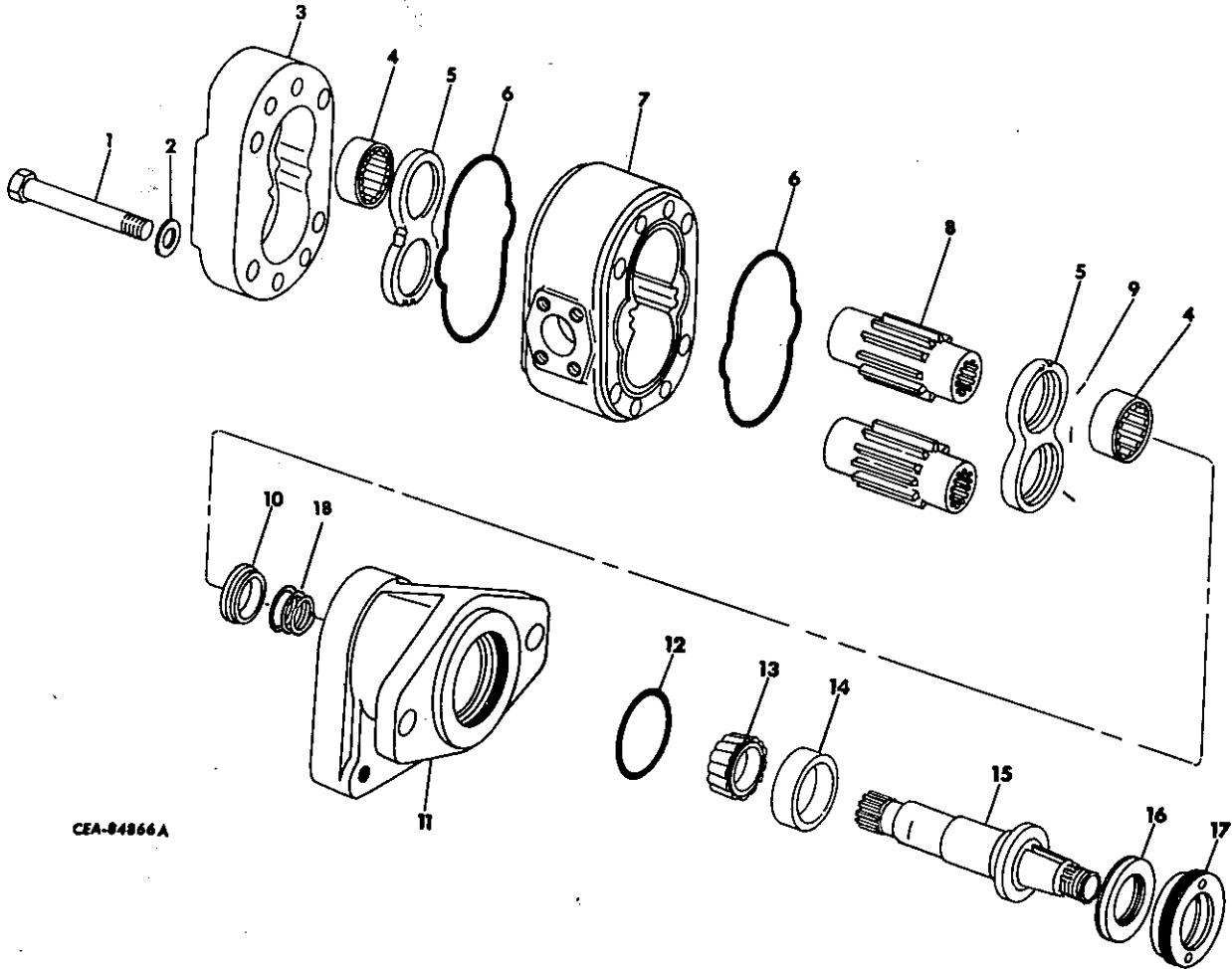
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REF. NO.	I.H. PART NUMBER	DESCRIPTION
13	324 905 R91	BEARING, pump (4)
14	328 122 R1	ADAPTER, pump bearing (2)
15	328 112 R1	SPRING, bearing adapter (2)
16	332 901 R91	GEARS, pump (matched set)
17	186 296	SCREW, 1/2 x 7" hex-hd cap (8)
18	444 854	PLUG, 1/8" sq-soc pipe
19	328 117 R11	COVER, end
20	328 113 R1	SPRING, seal ring (2)
21	343 939 R1	"O" RING (2-1/2 x 2-3/4 x 1/8") (2)
22	328 118 R1	RING, LH loading seal pressure
23	470 585 R1	"O" RING (1/2 x 11/16 x 3/32") (2)
24	382 997 R1	"O" RING (1/2 x 5/8 x 1/16")
25	328 119 R1	RING, RH loading seal pressure
26	328 116 R1	PLUG (2)
27	357 557 R1	PIN, 1/4 x 5/8" roll
28	329 074 R11	HOUSING w/two PIN, 141 279 and PIN, 357 557 R1, pump
29	141 279	PIN, 1/2 x 3/4" dowel (2)

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MODEL 1540 (SERIES B)
HYDRAULIC CONTROL UNIT

HYDRAULIC PUMP
(Commercial Shearing and Stamping Co.)
(For Manual Shift and Power Shift Crawler Tractors)
TD-15BP 20260 up, TD-15BG 20260 up



CEA-84866A

MODEL 1540 (SERIES B)
HYDRAULIC CONTROL UNIT

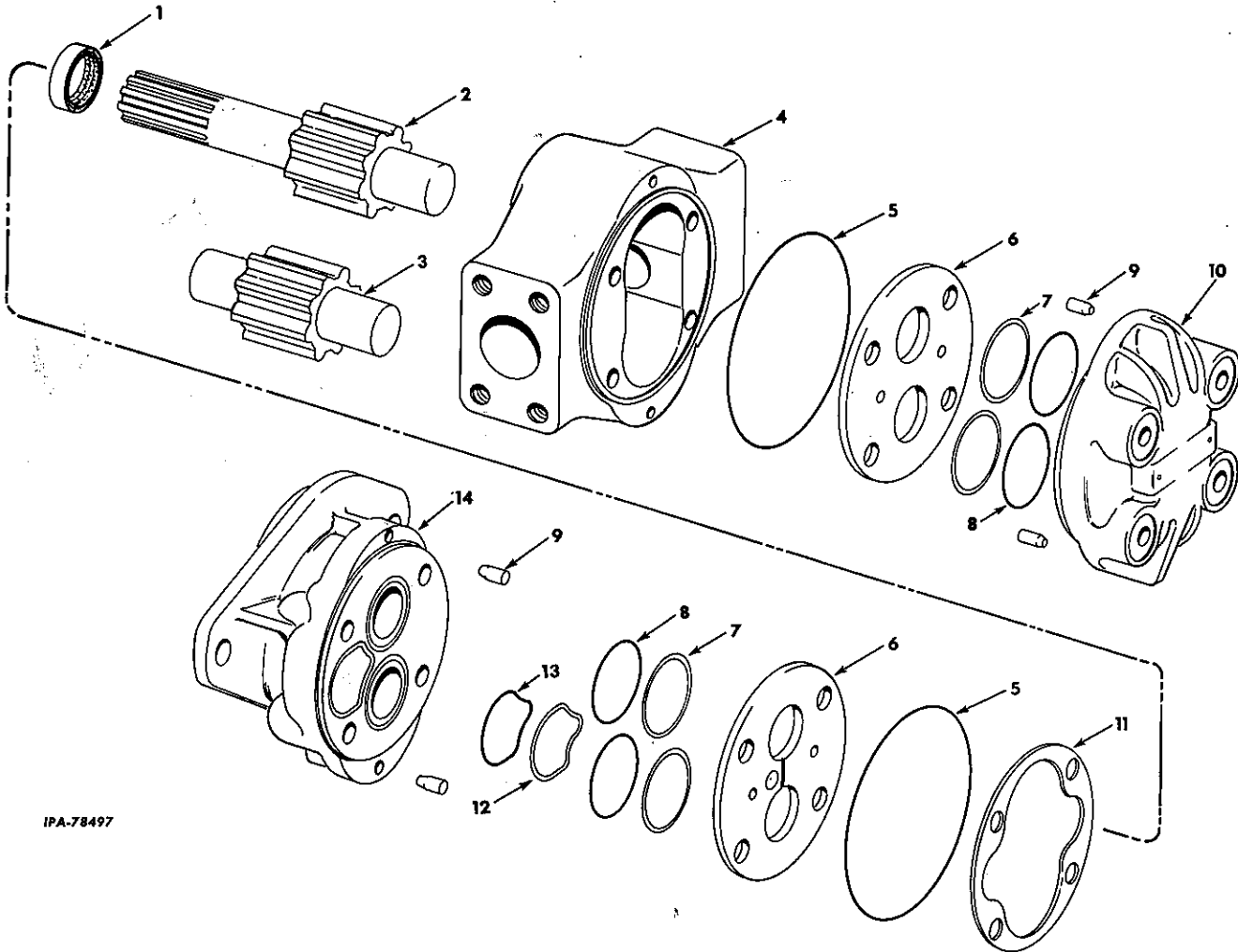
HYDRAULIC PUMP - CONTINUED
(Commercial Shearing and Stamping Co.)
(For Manual Shift and Power Shift Crawler Tractors)
TD-15BP 20260 up, TD-15BG 20260 up

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	610 729 C91 271 566	PUMP ASSY, hydraulic 5/8 x 3" hex-hd cap SCREW (2) (Consists of the following parts -
1	306 887 C1	SCREW, 1/2 x 6-3/4 hex-hd cap (8)
2	306 873 C1	WASHER (8)
3	306 885 C1	COVER, port end
4	306 880 C91	BEARING, roller (4)
5	306 886 C1	PLATE, thrust (2)
6	343 926 R1	"O" RING, gasket (2) (Circle "O" RING, form as shown)
7	610 943 C1	HOUSING, gear
8	306 874 C91	SET, drive and driven gear

REF. NO.	I.H. PART NUMBER	DESCRIPTION
9	610 859 C1	SEAL, pocket (12)
10	306 884 C1	BUSHING, shaft
11		COVER, front (Not Furnished Separately)
12	384 250 R1	"O" RING (2-3/4 x 3 x 1/8")
13	197 609 R91	CONE, bearing
14	197 608 R1	CUP, bearing
15	306 875 C1	SHAFT, drive
16	306 889 C91	SEAL, oil
17	306 891 C1	RING, oil seal retainer
18	306 883 C1	SPRING
	625 322 C1	PLUG, (in cover port end)

**MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT**

HYDRAULIC PUMP
(Hydreco) (For Agr. and Custom Crawler Tractors)



IPA-78497

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	603 514 C91	PUMP, hydraulic (consists of the following parts)
	271 556	5/8" x 1-1/4" hex-hd cap SCREW (2)
1	606 105 C91	OIL SEAL
2	606 109 C1	GEAR, drive
3	606 110 C1	GEAR, driven
4		HOUSING (Not Furnished Separately)
5	252 735 R1	"O" RING (5 x 5-1/4 x 1/8") (2)
6	606 108 C1	PLATE, wear (2)
7	606 107 C1	RING, back-up (1-9/16 x 1-3/4 x 3/32") (4)

**MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT**

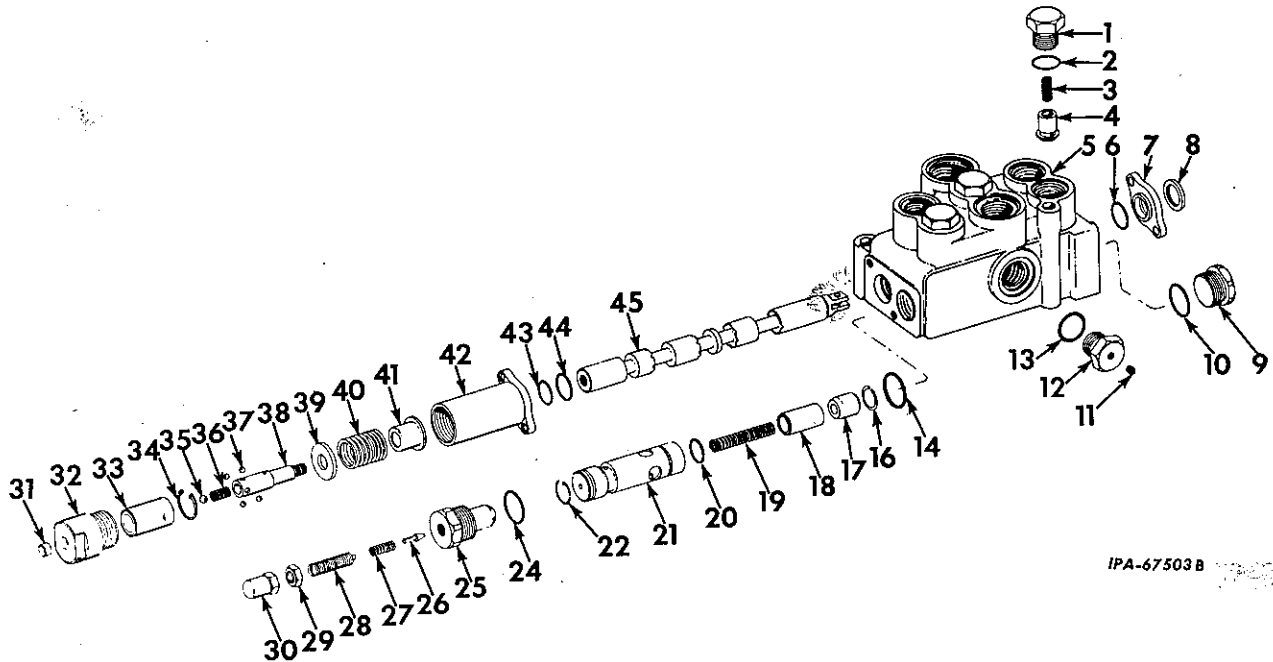
HYDRAULIC PUMP - CONTINUED
(Hydreco) (For Agr. and Custom Crawler Tractors)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	327 085 R1	"O" RING (4)
9	272 843 R1	PIN, dowel (4)
10	606 104 C91	COVER and BUSHING ASSY
11	296 937 R1	SHIM (.001" thick) (X)
11	296 938 R1	SHIM (.002" thick) (X)
12	606 111 C1	RING, back-up
13	382 781 R1	"O" RING (1-3/4 x 1-15/16 x 3/32")
14	606 112 C91	ADAPTER and BUSHING ASSY

(X) - As Required.

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC VALVE
(Single Spool)



HYDRAULIC VALVE - CONTINUED
(Single Spool)

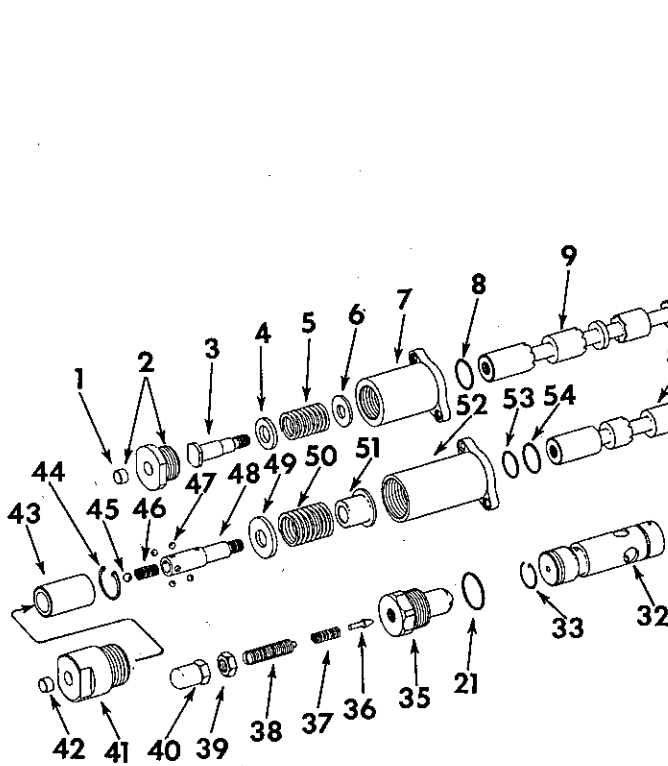
IPA-67503 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	332 976 R94	VALVE ASSY, hydraulic (single spool) (used on Agr. Crawler Tractors)
	332 975 R94	VALVE ASSY, hydraulic (single spool) (used on Manual Shift, Power Shift and Custom Crawler Tractors)
	9 413 956	NUT, 1/2" stover lock (3)
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)
	187 238	1/2 x 6" hex-hd cap SCREW (Consists of the following parts -
1	335 579 R1	CAP, valve (2)
2	296 247 R1	"O" RING (1.171 x 1.403 x .116") (2)
3	335 618 R1	SPRING, valve (2)
4	335 617 R1	PLUNGER, valve (2)
5		Not Furnished Separately.
6	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")
7	335 613 R1	PLATE, wiper
	179 818	5/16 x 1" hex hd cap SCREW (2)
8	277 181 R91	SEAL, wiper
9	342 016 R1	PLUG, relief valve
10	310 928 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")
11	444 612	PLUG, 1/8" pipe (2)
12	335 633 R1	PLUG, port (2)
13	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)
14	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1/16")
16	342 008 R1	RING, poppet retaining
17	342 005 R1	SEAT, valve
18	342 006 R11	POPPET, relief
19	342 004 R1	SPRING, pilot relief
20	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")
21	342 010 R3	HOUSING, pilot relief

REF. NO.	I. H. PART NUMBER	DESCRIPTION
22	342 007 R1	WIRE, pilot relief
24	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")
25	342 327 R1	CAP, relief valve
26	342 011 R2	POPPET
27	605 031 C1	SPRING
28	342 014 R1	SCREW, adjusting
	59 657 D	WASHER (2)
29	114 496	NUT, 1/2NF jam
30	342 015 R1	COVER, adjusting screw
31	376 429 R1	FILTER, bronze
32	335 595 R1	CAP
33	342 019 R1	SLEEVE, detent
34	301 230 R1	RING, snap
35	16 014 R1	BALL, 7/16" steel
36	342 018 R1	SPRING, detent
37	16 011 R1	BALL, 11/32" steel (4)
38	602 013 C1	PIN
39	335 598 R2	SPACER, spring
40	335 599 R2	SPRING, centering
41	335 601 R1	HOLDER, spring
42	335 602 R11	PLATE, retaining
	179 818	5/16 x 1" hex-soc-hd cap SCREW (2)
43	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")
44	298 382 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")
45		Not Furnished Separately.
	346 177 R1	SPACER (used with HOUSING, 342 010 R1)

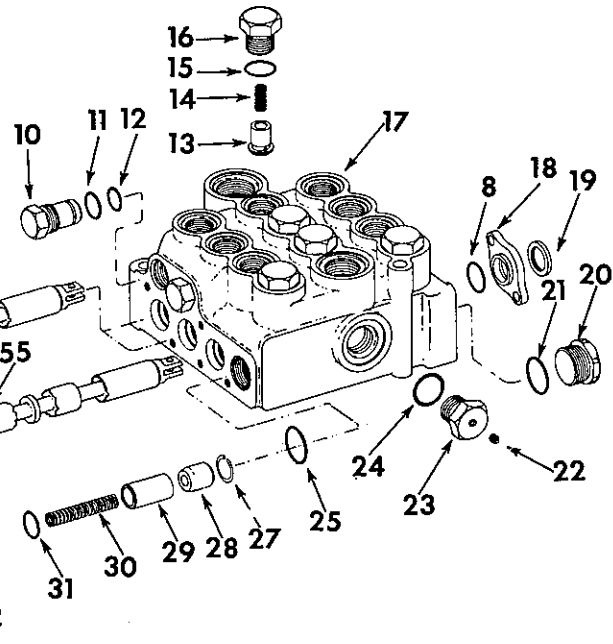
MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROL VALVE
(Triple Spool)



MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROL VALVE - CONTINUED
(Triple Spool)



IPA-67474B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	346 183 R92	VALVE ASSY, hydraulic (triple spool) (used on Manual Shift, Power Shift and Custom Crawler Tractors)
	346 184 R92	VALVE ASSY, hydraulic (triple spool) (used on Agr. Crawler Tractors)
	9 413 956	NUT, 1/2" stover lock (3)
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)
	187 238	1/2 x 6" hex-hd cap SCREW
		(Consists of the following parts -
1	376 429 R1	FILTER, detent cap bronze (2)
2	335 606 R11	CAP w/FILTER, 376 429 R1, detent (2)
3	335 607 R1	PIN (2)
4	335 608 R2	SPACER (2)
5	335 609 R1	SPRING, centering (2)
6	335 611 R2	SPACER (2)
7	342 002 R1 179 818	HOUSING, detent (2) 5/16 x 1" hex-soc-hd cap SCREW (4)
8	350 818 R1	"O" RING (1 x 1-1/4 x 1/8") (5)
9		SPOOL, double acting (Not Furnished Separately).

REF. NO.	I. H. PART NUMBER	DESCRIPTION
10	342 020 R1	PLUG (4)
11	368 269 R1	"O" RING (.924 x 1.156 x .116") (4)
12	364 840 R1	"O" RING (13/16 x 15/16 x 1/16") (4)
13	335 617 R1	PLUNGER, valve (4)
14	335 618 R1	SPRING, valve (4)
15	296 247 R1	"O" RING (1.171 x 1.403 x .116") (4)
16	335 579 R1	CAP, valve (4)
17		BODY, valve (Not Furnished Separately)
18	335 613 R1 179 818	PLATE, wiper (3) 5/16 x 1" hex-soc-hd cap SCREW (6)
19	277 181 R91	SEAL, wiper (3)
20	342 016 R1	PLUG
21	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8") (2)
22	444 612	PLUG, 1/8" pipe (2)
23	335 633 R1	PLUG, 1-1/4" port (2)
24	307 915 R1	"O" RING (1.475 x 1.711 x .188") (2)
25	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1-1/16")

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

MEMORANDA

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL VALVE - CONTINUED
(Triple Spool)

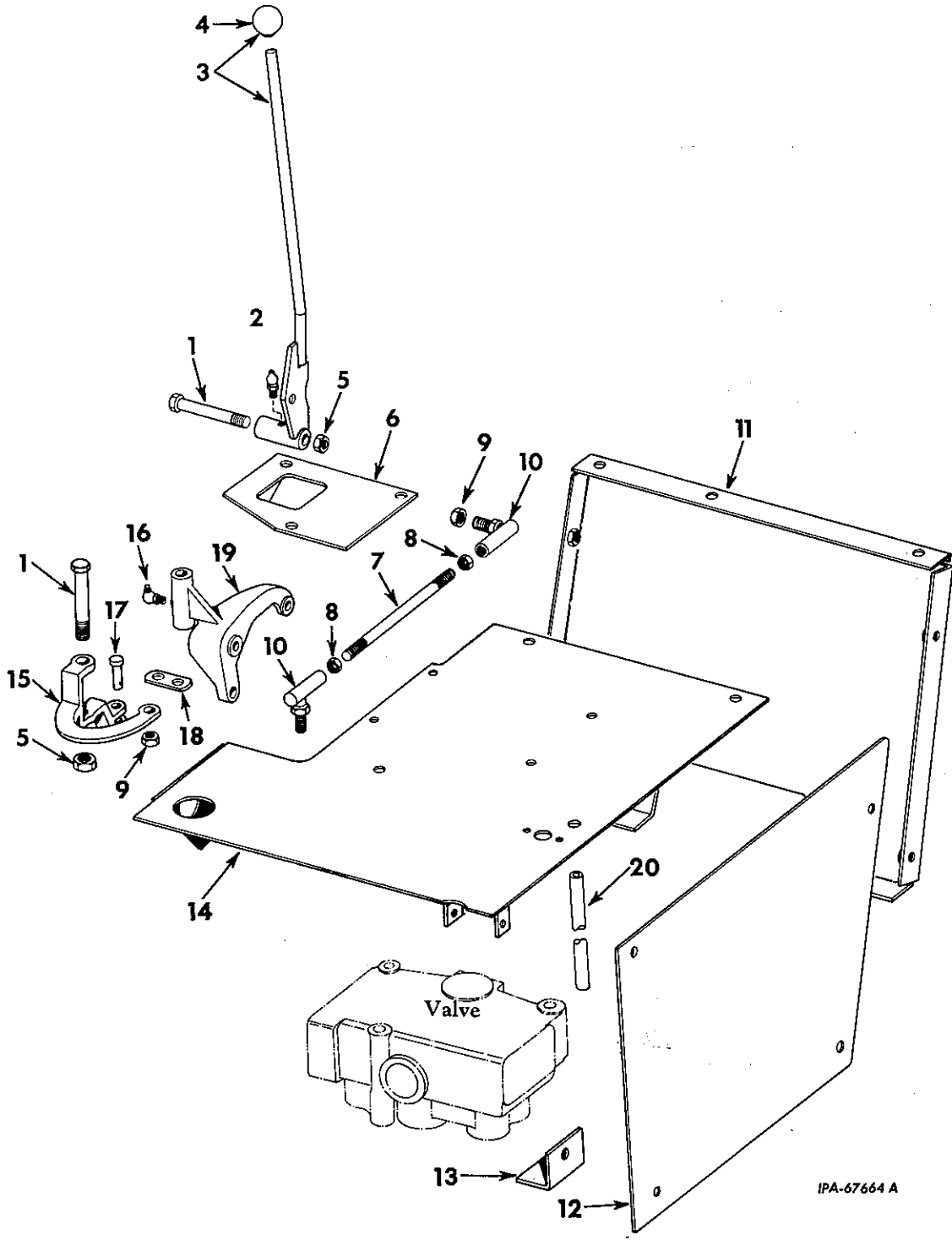
27	342 008 R1	RING, popper retaining
28	342 005 R1	SEAT, valve
29	342 006 R11	POPPET, relief
30	342 004 R1	SPRING, pilot relief
31	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")
32	342 010 R3	HOUSING, pilot relief
33	342 007 R1	WIRE, pilot relief
35	342 327 R1	CAP, relief valve
36	342 011 R2	POPPET, pilot relief
37	605 031 C1	SPRING
38	342 014 R1 59 657 D	SCREW, adjusting WASHER (2)
39	114 505	NUT, 1/2 jam
40	342 015 R1	COVER, adjusting
41	335 595 R1	CAP
42	376 429 R1	FILTER, bronze
43	342 019 R1	SLEEVE, detent
44	383 878 R1	RING, snap
45	16 014 R1	BALL, 7/16" dia steel
46	602 014 C1	SPRING, detent
47	17 011 R1	BALL, 11/32" dia (4)
48	602 013 C1	PIN
49	335 598 R2	SPACER, spring
50	335 599 R2	SPRING, centering
51	335 601 R1	HOLDER, spring
52	602 881 C1 179 818	PLATE, retaining 5/16 x 1" hex-hd cap SCREW (2)
53	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")
54	347 070 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")
55		SPOOL, float (Not Furnished Separately)
	343 521 R1	PLATE, number
	40 329 DA	RIVET, plate securing (2)
	346 177 R1	SPACER (used with HOUSING, 342 010 R1)

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS
(For use with single spool valve)

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS - CONTINUED
(For use with single spool valve)



IPA-67664 A

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS - CONTINUED (For use with single spool valve)		
1	333 795 R1	BOLT, 1/2NF x 3-15/16" (2)
2	126 152	FITTING, 1/8" straight lubrication (Alemite 1610B)
3	333 057 R91	LEVER w/HANDLE 264 097 R2 lift and tilt (will work for 611 589 C91)
4	264 097 R2	HANDLE, lift and tilt lever
5	9 413 957	NUT, 1/2NF stover lock (2)
6	333 197 R91 102 637 179 883 103 323	BRACKET, control handle 1/2" NUT (3) 1/2 x 1-1/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)
7	337 817 R1	STUD
8	9 413 957	NUT, 1/2NF stover lock (2)
9	114 496	NUT, 1/2NF jam (2)
10	333 805 R1	JOINT, ball (2)
11	333 070 R11	BRACKET, support TD-15BP 6001 to 8230 TD-15BG 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230
11	602 057 C11	BRACKET, support TD-15BP 8231 to 20134 TD-15BG 8231 to 20134 TD-15B(Agr)BGA 8231 to 20134
11	608 380 C11	BRACKET, support TD-15BP 20135 to 21059 TD-15BG 20135 to 21059 TD-15B(Agr)BGA 20135 to 20159
11	602 057 C11	BRACKET, support TD-15BP 21060 up TD-15BG 21060 up TD-15B(Agr)BGA 2160 to 25000 TD-15B(Custom)BGA 25001 up
	102 635	3/8" NUT (2)
	102 637	1/2" NUT
	179 881	1/2 x 1" hex-hd cap SCREW
	179 839	3/8 x 1" hex-hd cap SCREW
	103 343	17/32 x 1-1/16" x 13 ga WASHER
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 321	3/8" lock WASHER (2)
	103 323	1/2" lock WASHER
12	333 071 R1 179 839 103 321 615 031 R1	PLATE, side cover 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 7/8" flat WASHER (4)
13	333 069 R1 102 637 179 883 103 323	ANGLE 1/2" NUT (2) 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

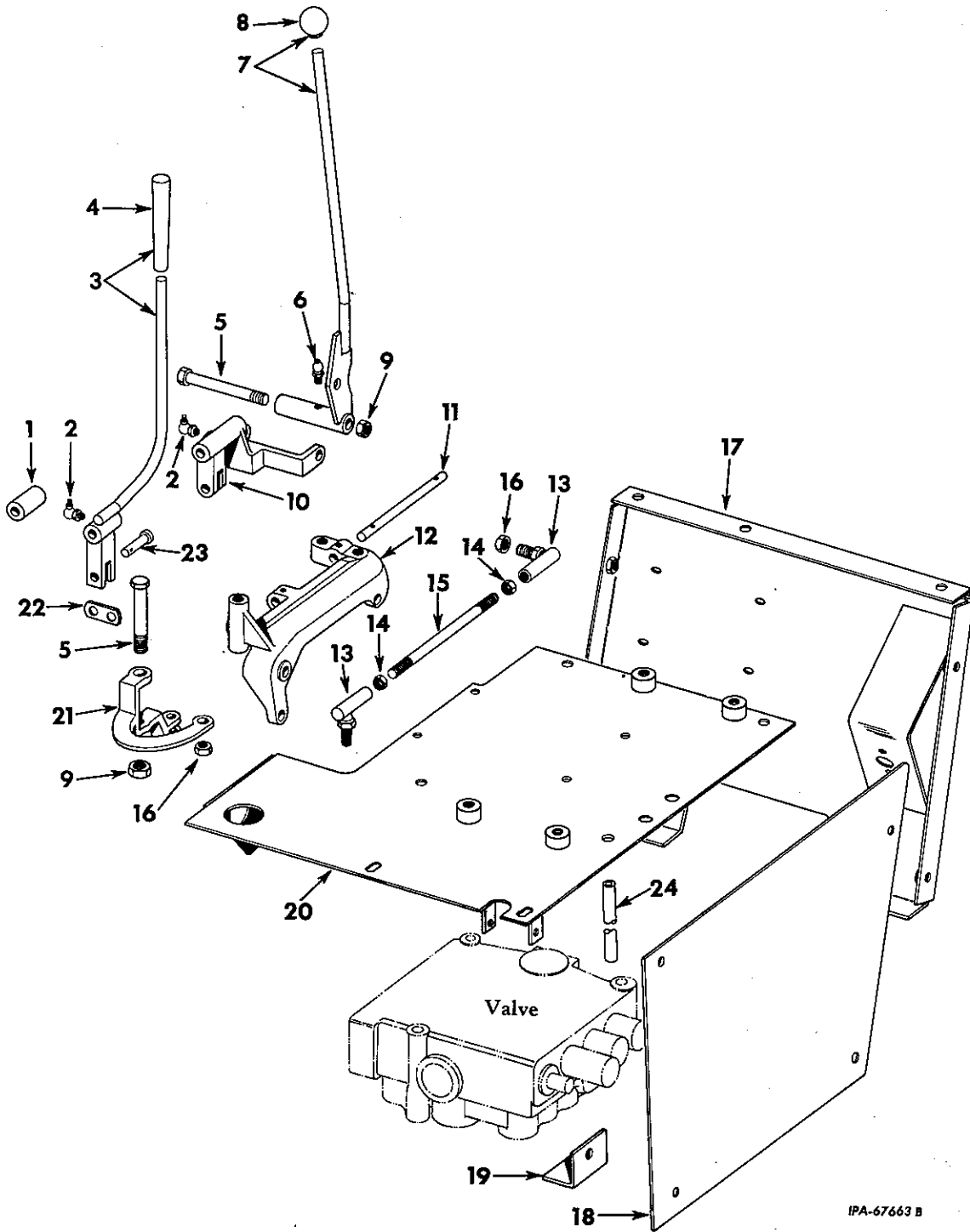
REF. NO.	I.H. PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS - CONTINUED (For use with single spool valve)		
14	337 819 R12	PLATE, mounting TD-15BP 6001 to 8230 TD-15BD 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230
	102 637	1/2" NUT
	179 881	1/2 x 1" hex-hd cap SCREW
	103 323	1/2" lock WASHER
14	602 802 C12	PLATE, mounting TD-15BP 8231 up TD-15BG 8231 up TD-15B(Agr)BGA 8231 to 25000 TD-15B(Custom)BGA 25001 up
	102 637	1/2" NUT (3)
	179 881	1/2 x 1" hex-hd cap SCREW
	103 323	1/2" lock WASHER (3)
15	337 816 R2	BELLCRANK
16	271 285	FITTING, 1/8 x 90° lubrication (Alemite 1613B) (optional with 109 462)
16	109 462	FITTING, 1/8 x 90° lubrication (Lincoln 5400) (optional with 271 285)
17	103 496 103 341 103 373	PIN, rod end (2) 13/32 x 13/16" x 16 ga WASHER (2) 3/32 x 3/4" cotter PIN (2)
18	342 490 R1	LINK, valve control (4)
19	337 461 R3 179 883 103 323	BRACKET, control 1/2 x 1-1/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)
20	346 200 R1 179 885 103 323	BAR, support 1/2 x 1-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS
(For use with triple spool valve)

MODEL 1540 SERIES B HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS - CONTINUED
(For use with triple spool valve)



IPA-67663 B

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROLS - CONTINUED
(For use with triple spool valve)

Parts without letters after the description indicates the part is used for both Controls listed below: Letters "A" and "B" are used to identify separate controls.

A - Service parts for Hydraulic Controls (for use with Model D-2 with ripper and with or without tilt or Model G-2 with ripper)

B - Service parts for Hydraulic Controls (for use with Model D-2 with tilt)

1	335 567 R1	SPACER (Controls B)
2	109 462	FITTING, 1/8" x 90° lubrication (3 for Controls A, 2 for Controls B)
3	335 556 R91	LEVER w/HANDLE, 41 597 DA, ripper (Controls A)
4	619 405 C1	HANDLE, ripper (Controls A)
5	333 795 R1	BOLT, 1/2NF x 3-15/16" (2)
6	126 152	FITTING, 1/8" straight lubrication
7	333 057 R91	LEVER w/HANDLE, 264 097 R2 lift and tilt (will work for 611 589 C91)
8	264 097 R2	HANDLE, lift and tilt lever
9	9 413 957	NUT, 1/2NF stover lock (2)
10	337 815 R2	ARM, control (lift and tilt)
11	333 053 R1	SHAFT, main control
12	337 814 R3 318 625 R1 114 496 179 883 103 323	BRACKET, control BOLT, 1/2NF x 2-1/4" (2) 1/2NF jam NUT (2) 1/2 x 1-1/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)
13	333 805 R1	JOINT, ball (2)
14	114 496	NUT, 1/2NF jam (2)
15	337 817 R1	STUD
16	9 413 957	NUT, 1/2NF stover lock (2)
17	333 070 R11	BRACKET, support TD-15BP 8231 to 20134 TD-15BP 6001 to 8230 TD-15BG 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230
17	602 057 C11	BRACKET, support TD-15BP 8231 to 20134 TD-15BG 8231 to 20134 TD-15B(Agr)BGA 8231 to 20134
17	608 380 C11	BRACKET, support TD-15BG 20135 to 21059 TD-15BP 20135 to 21059 TD-15B(Agr)BGA 20135 to 21059
17	602 057 C11	BRACKET, support TD-15BP 21060 up TD-15BG 21060 up TD-15B(Agr)BGA 21060 to 25000 TD-15B(Custom)BGA 25001 up
	102 635	3/8" NUT (2)
	102 637	1/2" NUT (2)
	179 837	3/8 x 1" hex-hd cap SCREW (2)
	179 881	1/2 x 1" hex-hd cap SCREW (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
	103 321	3/8" lock WASHER (2)
	103 323	1/2" lock WASHER (2)

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

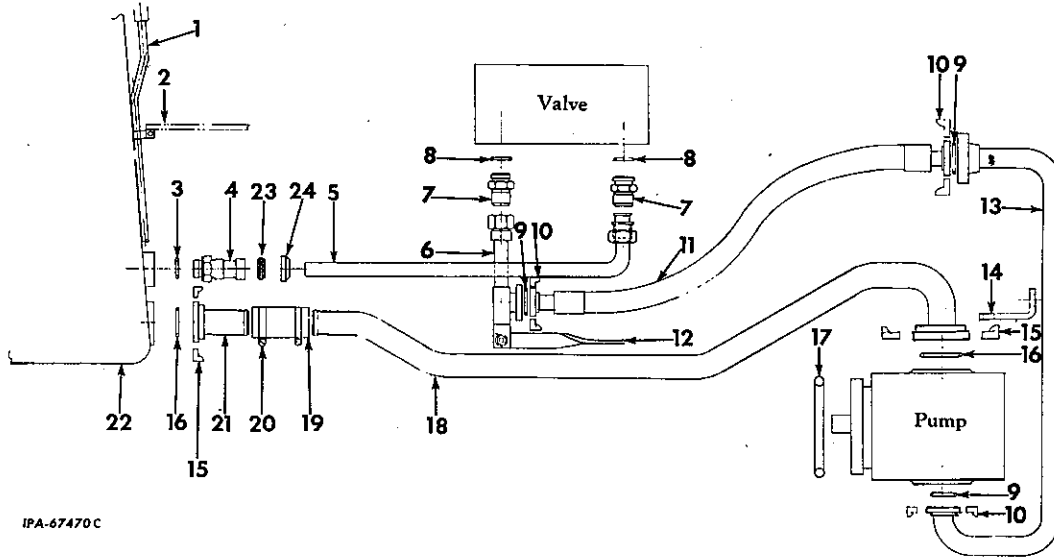
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROLS - CONTINUED
(For use with triple spool valve)

18	333 071 R1 179 839 615 031 R1 103 321	PLATE, side cover 3/8 x 1" hex-hd cap SCREW (4) 7/8" flat WASHER (4) 3/8" lock WASHER (4)
19	333 069 R1 102 637 179 883 103 323	ANGLE 1/2" NUT (2) 1/2 x 1-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
20	337 819 R12 102 637 179 881 103 323	PLATE, mounting TD-15BP 6001 to 8230 TD-15BG 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230 1/2" NUT (2) 1/2 x 1" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
20	602 802 C12	PLATE, mounting TD-15BP 8231 up TD-15G 8231 up TD-15B(Agr)BGA 8231 to 25000 TD-15B(Custom)BGA 25001 up
	102 637 179 881 103 323	1/2" NUT (3) 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER (3)
21	337 816 R2	BELLCRANK
22	342 490 R1	LINK, control valve (12 for Controls A; 8 for Controls B)
23	103 496 103 373 103 341	PIN, rod end (6 for Controls A; 4 for Controls B) 3/32 x 3/4" cotter PIN (6 for Controls A; 4 for Controls B) 13/32 x 13/16 x 16 ga WASHER (3 for Controls A; 4 for Controls B)
24	346 200 R1 179 885 103 323	BAR, support TD-15BP 6001 to 20836 TD-15BG 7260 to 20836 TD-15B(Agr)BGA 7260 to 20836 1/2 x 1-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
	333 800 R1	BOLT (2 for Controls A; 1 for Controls B)

**MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT**

HYDRAULIC PIPING
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134
TD-15B(Agr)BGA 7260 to 20134



IPA-67470C

**MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT**

HYDRAULIC PIPING - CONTINUED
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134
TD-15B(Agr)BGA 7260 to 20134

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	335 345 R1	TUBE, overflow
2	335 346 R1	CLIP, overflow tube (used with PLATE, 337 819 R11)
2	299 902 R1	CLIP, overflow tube (used with PLATE, 337 819 R12)
	179 839	3/8 x 1" hex-hd cap SCREW
	102 635	3/8" NUT
	103 321	3/8" lock WASHER
3	307 915 R1	"O" RING (1.475 x 1.711 x .118")
4	336 047 R91	CONNECTOR w/RETAINER, 346 568 R1 and SEAL, 346 602 R1 tube
5	335 340 R1	TUBE, return line (for crawler tractors equipped with triple spool valve)
5	335 341 R1	TUBE, return line (for crawler tractors equipped with single spool valve)
6	342 421 R91	TUBE, pressure (for crawler tractors equipped with triple spool valve)
6	342 421 R91	TUBE, pressure (for crawler tractors equipped with single spool valve)
7	9 410 208	CONNECTOR, tube (2)
8	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)
9	252 482 R1	"O" RING (1-1/2 x 1-3/4 x 1/8") (3)
10	290 045 R1	CLAMP-HALF, hose (split-flange) (6)
	179 862	7/16 x 1-1/2" hex-hd cap SCREW (12)
	103 322	7/16" lock WASHER (12)
11	343 516 R91	HOSE w/FITTINGS (HOSE, 1-1/4" ID x 44" long including FITTINGS)
12	342 423 R1	BRACKET, pressure tube
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW
	179 887	1/2 x 1-3/4" hex-hd cap SCREW
	103 323	17/32 x 1-1/16 x .095" WASHER
		1/2" lock WASHER (2)
13	342 420 R91	TUBE, pump pressure

REF. NO.	I. H. PART NUMBER	DESCRIPTION
14	342 422 R1	BRACKET, pump pressure tube
	102 637	1/2" NUT
	179 881	1/2 x 1" hex-hd cap SCREW
	103 323	1/2" lock WASHER
15	300 525 R1	CLAMP-HALF, hose (split flange) (4)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (8)
	103 323	1/2" lock WASHER (8)
16	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8") (2)
17	343 927 R1	"O" RING, pump mounting (5 x 5-1/4 x 1/8")
18	342 419 R92	TUBE, suction
19	327 255 R1	HOSE, suction
20	327 257 R91	CLAMP, hose (2)
21	342 418 R92	TUBE, tank suction
22		TANK, hydraulic (for components see list of parts under details of "Hydraulic Tank")
	179 839	3/8 x 1" hex-hd cap SCREW (3)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER
	179 887	17/32 x 1-1/16 x .095" WASHER (3)
	103 323	1/2" lock WASHER (3)
23	346 602 R1	SEAL, flexmaster
24	346 568 R1	RETAINER, seal
	9 410 363	PLUG, "O" Ring boss cylinder port (X)
	2 751 900 R1	PRODUCT GRAPHIC, oil level (for tractors painted I. H. yellow)
	2 751 901 R1	PRODUCT GRAPHIC, oil level (for tractors painted other than I. H. yellow)
	2 751 906 R1	PRODUCT GRAPHIC, closed hydraulic system (for tractors painted I. H. yellow)
	2 751 907 R1	PRODUCT GRAPHIC, closed hydraulic system (for tractors painted other than I. H. yellow)
	296 247 R1	"O" RING, cylinder port (1.475 x 1.711 x .118") (X)

X - As Required.

MEMORANDA

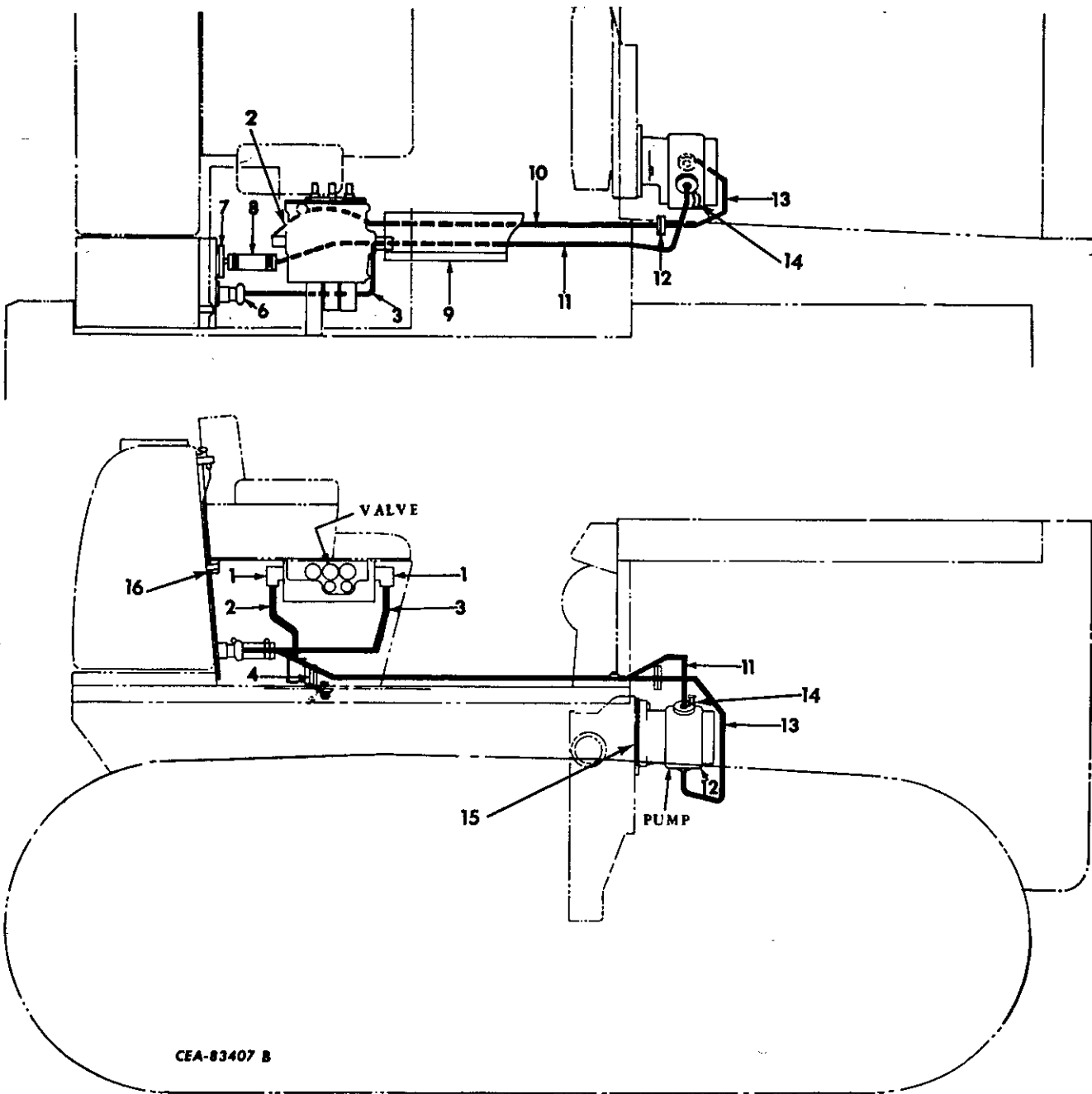
MEMORANDA

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC PIPING
TD-15BP 20135 up
TD-15BG 20135 up
TD-15B(Agr)BGA 20135 to 25000
TD-15B(Custom)BGA 25001 up

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC PIPING - CONTINUED
TD-15BP 20135 up
TD-15BG 20135 up
TD-15B(Agr)BGA 20135 to 25000
TD-15B(Custom)BGA 25001 up



MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED		
TD-15BP 20135 up		
TD-15BG 20135 up		
TD-15B(Agr)BGA 20135 to 25000		
TD-15B(Custom)BGA 25001 up		
1	9 410 982 307 915 R1	ELBOW, 1-1/4" x 90° (2) "O" RING, 1.475 x 1.711 x .118" (2)
2	608 376 C91	TUBE, rear pressure
3	608 378 C91	TUBE, return line (for crawler tractors equipped with triple spool valve)
3	608 379 C91	TUBE, return line (for crawler tractors equipped with single spool valve)
4	290 045 R1 343 909 R1 179 862 179 864 103 322	CLAMP-HALF, split flange (pressure tube) (2) "O" RING, 1-1/2 x 1-3/4 x 1/8" 7/16 x 1-1/2" hex-hd cap SCREW (2) 7/16 x 1-3/4" hex-hd cap SCREW (2) 7/16" lock WASHER (4)
6	336 047 R91 307 915 R1 346 602 R1 346 568 R1	CONNECTOR w/RETAINER, 346 568 R1 and SEAL, 346 602 R1, valve return "O" RING, 1.475 x 1.711 x .118" SEAL, flexmaster RETAINER, seal
7	342 418 R92 300 525 R1 293 726 R1 179 885 103 323	TUBE, pump suction (at tank) CLAMP-HALF, split flange (2) "O" RING, 2-1/4 x 2-1/2 x 1/8" 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
8	327 255 R1 327 257 R91	HOSE, tube connecting CLAMP, tube hose (2)
9	608 369 C11 102 635 179 839 103 321	COVER, pump tubes (on RH fender) TD-15BP 20135 to 21059 TD-15BG 20135 to 21059 TD-15B(Agr)BGA 20135 to 21059 3/8" NUT (3) 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
9	342 310 R21 102 635 179 839 103 321	COVER, pump tubes (on RH fender) TD-15BP 21060 up TD-15BG 21060 up TD-15B(Agr)BGA 21060 to 25000 TD-15B(Custom)BGA 25001 up 3/8" NUT (3) 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
10	343 516 R91	HOSE w/two FITTING, 310 919 R91, pump pressure (HOSE, 1-1/4" ID x 44" long including FITTINGS)
10	310 919 R91	HOSE w/o FITTINGS, cut length 1-1/4" ID x 38" long cut from bulk HOSE No. 313 246 R1 FITTING, straight split flange hose (Aeroquip No. 4744-20) (2)
11	342 419 R92	TUBE, pump suction (for power shift and manual shift crawler tractors) TD-15BP 20135 to 20259 TD-15BG 20135 to 20259
11	611 665 C91	TUBE, pump suction (for power shift and manual shift crawler tractors) TD-15BP 20260 to 22000 TD-15BG 20260 to 22000
11	611 721 C91 300 525 R1 343 923 R1 179 885 103 323	TUBE, pump suction (for power shift and manual shift crawler tractors) TD-15BP 22001 up TD-15BG 22001 up CLAMP-HALF, split flange (2) "O" RING, 2-1/4 x 2-1/2 x 1/8" 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
11	602 471 C91	TUBE, pump suction (for Agr. crawler tractors) TD-15B(Agr)BGA 7260 to 22000

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC PIPING - CONTINUED		
TD-15BP 20135 up		
TD-15BG 20135 up		
TD-15B(Agr)BGA 20135 to 25000		
TD-15B(Custom)BGA 25001 up		
11	611 723 C91 301 844 R1 343 921 R1 179 885 103 323	TUBE, pump suction (for Agr and Custom crawler tractors) TD-15BGA 22001 to 25000 CLAMP-HALF, split flange (2) "O" RING, 1-7/8 x 2-1/8 x 1/8" 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
12	290 045 R1 343 909 R1 179 862 103 322	CLAMP-HALF, split flange (2) "O" RING, 1-1/2 x 1-3/4 x 1/8" 7/16 x 1-1/2" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
13	342 420 R91	TUBE, pump pressure (for power shift and manual shift crawler tractors) TD-15BP 20135 to 20259 TD-15BG 20135 to 20259
13	611 666 C91	TUBE, pump pressure (for power shift and manual shift crawler tractors) TD-15BP 20260 up TD-15BG 20260 up
13	602 470 C91	TUBE, pressure (for Agr. crawler tractors) TD-15B(Agr)BGA 7260 to 25000
13	611 722 C91	TUBE, pressure (for Custom crawler tractor) TD-15B(Custom)BGA 25001 up
14	342 422 R1	BRACKET, pump pressure tube (front) (for power shift and manual shift crawler tractors) TD-15BP 20135 to 22000 TD-15BG 20135 to 22000
14	613 494 C1 102 637 179 881 103 323	BRACKET, pump pressure tube (front) (for power shift and manual shift crawler tractors) TD-15BP 22001 up TD-15BG 22001 up 1/2" NUT 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER
14	602 472 C11	BRACKET, pump pressure tube (front) (for Agr. crawler tractors) TD-15B(Agr)BGA 7260 to 25000
14	614 017 C91 102 637 179 881 103 323	BRACKET, pump pressure tube (front) (for Agr. crawler tractors) TD-15B(Custom)BGA 25001 up 1/2" NUT 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER
15	343 927 R1	"O" RING, pump mounting (5 x 5-1/4 x 1/8")
16	299 902 R1 102 635 179 839 103 321 105 422 313 246 R1 105 404 9 410 363 296 247 R1 342 775 R91	CLIP, overflow tube 3/8" NUT 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER ELBOW, 1/8" x 90° (at valve) HOSE, 1-1/4" ID bulk (X) NIPPLE, 1/8 x 3/4" pipe (at valve) PLUG, 1" cylinder port (X) "O" RING, 1.475 x 1.711 x .118" (X) PLUG, quick disconnect (at valve)

X - As Required.
⊗ - Order Cut Length As Required.

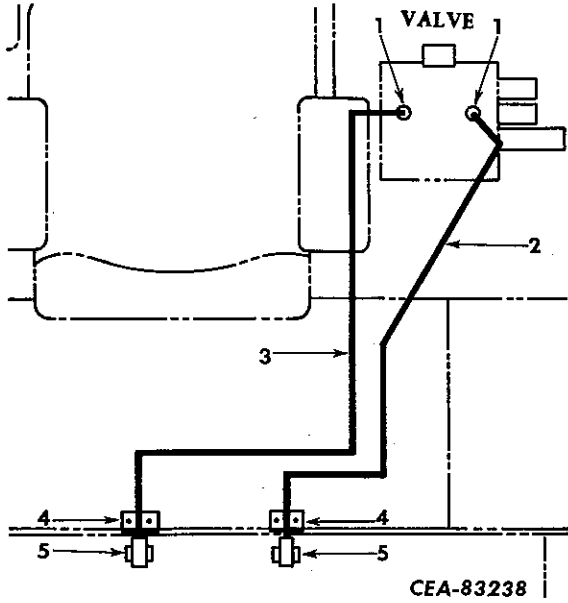
MODEL 1540 (SERIES B) HYDRAULIC CONTROL UNIT

MEMORANDA

HYDRAULIC PIPING

(For Use With Triple Spool Valve and Rear Mounted Trailing Equipment)

- TD-15BP 7358 up
- TD-15BG 7358 up
- TD-15B(Agr)BGA 7358 to 25000
- TD-15B(Custom)BGA 25001 up

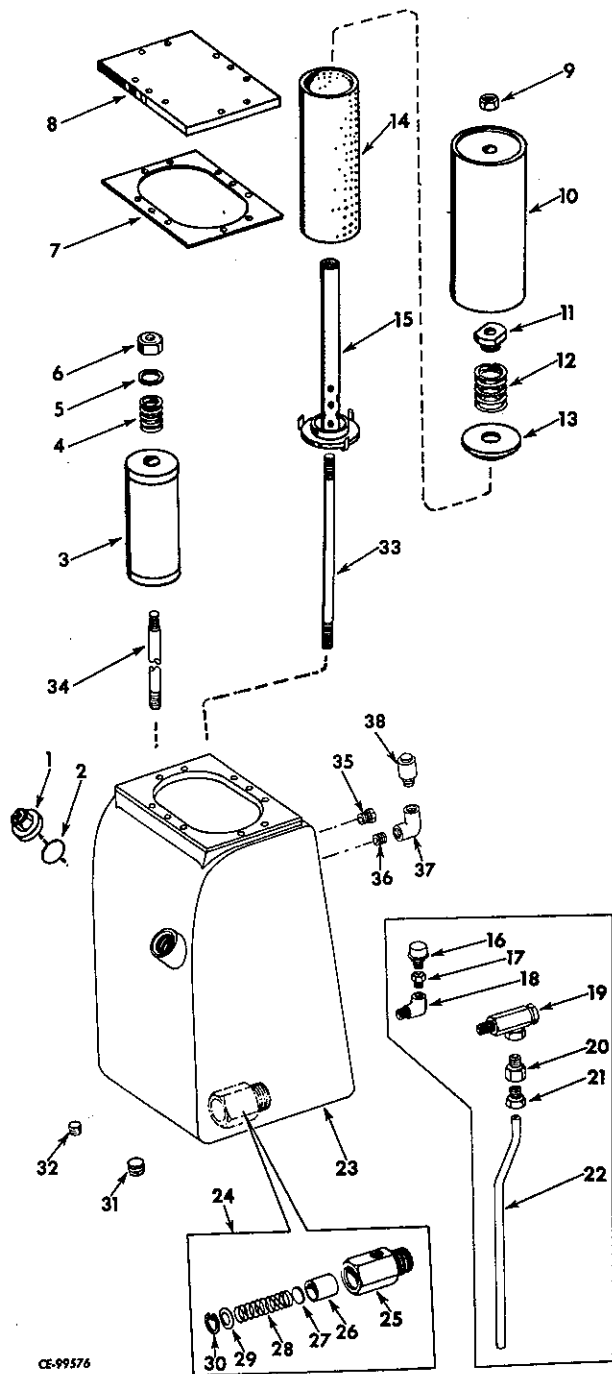


CEA-83238

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	9 410 207 296 247 R1	CONNECTOR, tube (2) "O" RING, 1.475 x 1.171 x .118" (2)
2	602 834 C91	TUBE, head end
3	602 833 C91	TUBE, rod end
4	602 832 C1 602 449 C1 102 635 179 839 103 321	BRACKET, tube support (2) CLAMP, tube support (2) 3/8" NUT (8) 3/8 x 1" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
5	295 698 R1 343 906 R1 179 841 103 321	CLAMP-HALF, split flange (4) "O" RING, 1-5/16 x 1-9/16 x 1/8" (2) 3/8 x 1-1/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
	603 517 C1	PLUG, flange (used for shipping purposes only) (2)

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

HYDRAULIC TANK AND RELATED PARTS



CE-99576

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	294 118 R2	PLUG, hydraulic oil filler
2	253 172 R1	"O" RING (1.250 x 1.600 x .175")
3	336 527 R91	FILTER
4	250 567 R1	SPRING, suction strainer
5	103 343	WASHER, 17/32 x 1-1/16" x 16 ga
6	454 522 R1	NUT, 1/2" lock
7	335 776 R2	GASKET, cover
8	335 777 R1 179 840 103 341	COVER, tank 3/8 x 1-1/8" hex-hd cap SCREW (10) 13/32 x 13/16" x 16 ea copper WASHER (10)
9	17 161 R1	NUT, 3/4" lock
10	335 778 R91	SHROUD
11	335 775 R1	RETAINER, spring
12	605 049 C1	SPRING, compression
13	335 770 R91	SUPPORT, filter
14	336 670 R5	FILTER, element
15	335 769 R92	BASE, filter
16	324 042 R91	FILTER, breather TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
17	331 811 R91	VALVE, check TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
18	444 040	ELBOW, 1/4" pipe TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
19	338 863 R91	VALVE, check TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
20	42 409 D	CONNECTOR, overflow tube TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912

X - As Required.

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TANK AND RELATED PARTS

21	37 165 D	NUT, overflow tube connector TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
22	335 345 R1	TUBE, overflow TD-15BP 6001 to 25912 TD-15BG 7260 to 25912 TD-15B(Agr)BGA 7260 to 25000 TD-15B(Custom)BGA 25001 to 25912 TD-15BPS 9371 to 25912 TD-15BGF 21281 to 25912 TD-15BGS 21676 to 25912
23	335 754 R92	TANK, hydraulic TD-15BP 6001 to 8230 TD-15BG 7260 to 8230 TD-15B(Agr)BGA 7260 to 8230
23	602 800 C91	TANK, hydraulic TD-15BP 8231 up TD-15BG 8231 up TD-15B(Agr)BGA 8231 to 25000 TD-15B(Custom)BGA 25001 up 3/8 x 1-1/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 1/2 x 1-1/2" hex-hd cap SCREW (3) 1/2" lock WASHER (3) 17/32 x 1-1/16" x 13 ga. WASHER (3) 13/32 x 13/16" x 16 ga. WASHER (3) 9/16" flat SHIM (X)
24	335 321 R92	VALVE ASSEMBLY, surge
25	335 320 R1	HOUSING
26	335 322 R2	POPPET
27	321 997 R1	SPACER (X)
28	328 253 R1	SPRING
29	103 347	WASHER, 15/16 x 1-3/4" x 10 ga
30	631 449 R1	RING, snap
31	271 849 R1	PLUG, 3/4" NPT pipe
32	444 577	PLUG, pipe
33	335 764 R1	STUD, return tube filter (mounted on return tube in hydraulic tank)
34	335 768 R1	STUD, strainer
35	444 654	PLUG, 1/4"NPT TD-15BP 25913 up TD-15BPS 25913 up TD-15BG 25913 up TD-15BGF 25913 up TD-15BGS 25913 up TD-15B(Custom)BGA 25913 up
36	121 207	NIPPLE, 3/8NPT x 1" long TD-15BP 25913 up TD-15BPS 25913 up TD-15BG 25913 up TD-15BGF 25913 up TD-15BGS 25913 up TD-15B(Custom)BGA 25913 up
37	217 984	ELBOW, 3/8NPT x 3/4"NPT TD-15BP 25913 up TD-15BPS 25913 up TD-15BG 25913 up TD-15BGF 25913 up TD-15BGS 25913 up TD-15B(Custom)BGA 25913 up

MODEL 1540 SERIES B
HYDRAULIC CONTROL UNIT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TANK AND RELATED PARTS - CONTINUED

38	657 882 C91	VALVE, pressure vacuum relief (also see Seal Repair KIT, 883 170 C91 for service) TD-15BP 25913 up TD-15BPS 25913 up TD-15BG 25913 up TD-15BGF 25913 up TD-15BGS 25913 up TD-15B(Custom)BGA 25913 up
	883 170 C91	KIT, seal repair (for VALVE, 657 882 C91) (Consists of - § 1 RING, lock § 1 SEAL, filter § 1 SEAL, poppet § 1 SEAL, sleeve)

X - As Required
§ - Not Furnished Separately.

MEMORANDA

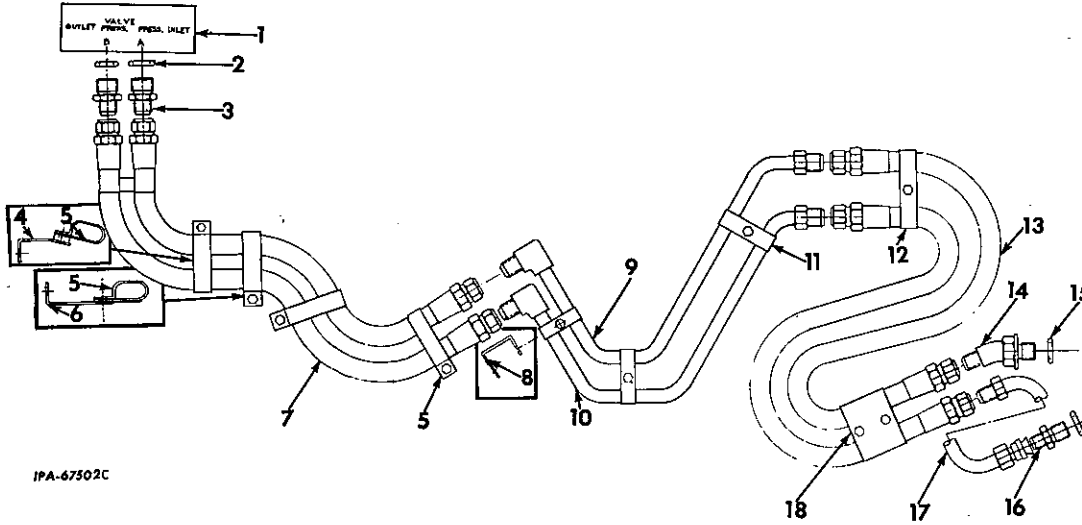
MEMORANDA

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS

(Used On Units That Have Hoses Located Under The
Seat To The L.H. Side Of The Machine)
(Model 15B D-1 and 15B D-3)



IPA-67502C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	342 217 R91	ATTACHMENT, hydraulic (For Model 15B D-1) (*)
	342 435 R91	ATTACHMENT, hydraulic (For Model 15B D-3) (*)
1		VALVE, hydraulic (for components see list of parts under details of "Hydraulic Valve")
	102 635	3/8" NUT (3)
	179 851	3/8 x 3" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
2	364 885 R1	"O" RING (.755 x .949 x .097") (2)
3	333 458 R1	CONNECTOR, straight boss (2)
4	342 732 R11	BRACKET, hose clamp
	271 560	5/8 x 1-3/4" hex-hd cap SCREW
5	326 078 R1	CLAMP, hose (4)
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
6	342 428 R1	BRACKET, hose clamp
	271 560	5/8 x 1-3/4" hex-hd cap SCREW
7	343 585 R91	HOSE w/two FITTING, 103 393 R91 (HOSE, 13/32" ID x 94" long including FITTINGS) (2)
7		HOSE w/o FITTINGS, cut length 13/32" ID x 90-3/4" long cut from bulk HOSE No. 319 708 R1) (2)
	103 393 R91	FITTING, swivel hose (4)
	319 708 R1	HOSE, 13/32" ID bulk (X)
8	342 427 R1	BRACKET, tube clamp
9	342 425 R91	TUBE, hydraulic cylinder (rod end)
10	342 426 R91	TUBE, hydraulic cylinder (head end)
11	323 284 R1	CLAMP, tube (3)
	102 635	3/8" NUT (2)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	179 843	3/8 x 1-1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (3)

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT - CONTINUED

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS

(Used On Units That Have Hoses Located Under The
Seat To The L.H. Side Of The Machine)
(Model 15B D-1 and 15B D-3)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
12	326 239 R1	CLAMP, tapped half
12	326 240 R1	CLAMP, drilled half
	179 885	1/2 x 1-1/2" hex-hd cap SCREW
	103 323	1/2" lock WASHER
13	603 927 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 111" long including FITTINGS)
13		HOSE w/o FITTINGS, cut length 3/8" ID x 108" long cut from bulk HOSE No. 324 658 R1
	324 695 R91	FITTING, swivel hose
	603 925 C91	FITTING, 90° swivel hose
14	9 411 105	ELBOW, 3/4" x 45° hydraulic
15	570 828 R1	"O" RING (.644 x .818 x .087") (2)
16	9 410 203	CONNECTOR, 3/4" hydraulic
17	326 235 R91	TUBE, cylinder
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
18	326 239 R1	CLAMP, tapped (2)
18	326 241 R11	GUARD, hose
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	289 366 R1	COUPLING, 3/4 x 3/4 x 1" pipe
	326 233 R91	CYLINDER, tilt (for components see list of parts under details of "Tilt Cylinder")
	324 658 R1	HOSE, 3/8" ID bulk (X)
	192 084	NIPPLE, 3/4 x 4-1/2" pipe
	326 236 R11	GUARD, cylinder tube
	102 637	1/2" NUT
	187 201	1/2 x 4-3/4" hex-hd cap SCREW
	103 323	1/2" lock WASHER
	106 265	9/16 x 1-3/8" x 12 ga WASHER (2)

(X) - Order Cut Length As Required.

(*) - Attachment No Longer Available Service Parts will be Furnished.

MEMORANDA

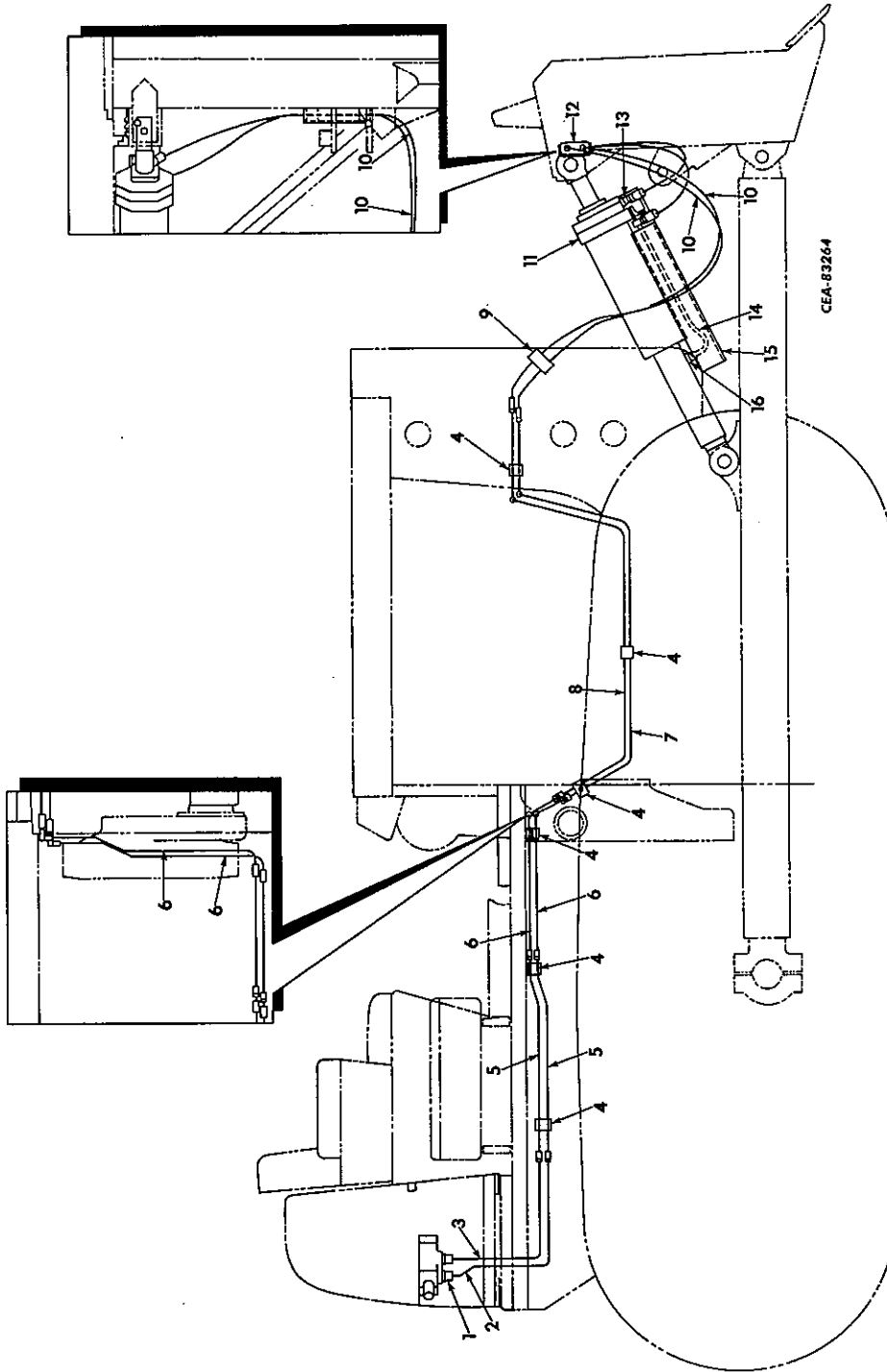
MEMORANDA

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS

(Used On Units That Have Tubes Located On The R.H.
Side Of The Frame To A Crossover Tube At the Flywheel Housing)
(Model 15B D-1 and 15B D-3)



CEA-83264

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS - Continued

(Used On Units That Have Tubes Located on the R.H.
Side Of The Frame Crossover Tube At the Flywheel Housing)
(Model 15B D-1 and 15B D-3)

MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TILT		
HYDRAULIC TILT CYLINDER PIPING AND RELATED PARTS - Continued (Used On Units That Have Tubes Located On The R. H. Side Of The Frame To A Crossover Tube At The Flywheel Housing) (Model 15B D-1 and 15B D-3)		
	342 217 R91	ATTACHMENT, hydraulic (For Model 15B D-1) (*)
	342 435 R91	ATTACHMENT, hydraulic (For Model 15B D-3) (see NOTE 2)
1	333 458 R1 364 885 R1	CONNECTOR, straight boss (2) "O" RING, .755 x .949 x .097" (2)
2	602 103 C91	TUBE, valve to intermediate tube (inner)
3	602 102 C91	TUBE, valve to intermediate tube (outer)
4	323 284 R1 102 635 179 841 179 843 103 321	CLAMP, tube (6) 3/8" NUT (4) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8 x 1-1/2" hex-hd cap SCREW (4) 3/8" lock WASHER (6)
5	602 100 C91	TUBE, intermediate (2)
6	602 971 C91	TUBE, RH to LH side crossover (2)
7	342 426 R91	TUBE, crossover tube to hose (lower)
8	342 425 R91	TUBE, crossover tube to hose (upper)
9	326 239 R1	CLAMP, tapped half
9	326 240 R1 179 885 103 323	CLAMP, drilled half 1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER
10	603 927 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 111" long including FITTINGS) (2)
10	324 695 R91 603 925 C91	HOSE w/o FITTINGS, cut length 3/8" ID x 108" long cut from bulk HOSE No. 324 658 R1 FITTING, swivel hose (2) FITTING, 90° swivel hose (2)
11		CYLINDER, tilt (for components see list of parts under details of "Tilt Cylinder")
12	326 239 R1 326 241 R11 179 887 103 323	CLAMP, hose (2) GUARD, hose 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
13	9 411 105 570 828 R1	ELBOW, 3/4" x 45° hydraulic "O" RING, .644 x .818 x .087"
14	326 235 R91 179 840 103 321	TUBE, cylinder 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
15	326 236 R11 102 631 187 201 103 323 106 265	GUARD, cylinder tube 1/2" NUT 1/2 x 4-3/4" hex-hd cap SCREW 1/2" lock WASHER 9/16 x 1-3/8" x 12 ga WASHER (2)

MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TILT		
HYDRAULIC TILT CYLINDER PIPING AND RELATED PARTS - Continued (Used On Units That Have Tubes Located On The R. H. Side Of The Frame To A Crossover Tube At The Flywheel Housing) (Model 15B D-1 and 15B D-3)		
16	9 410 203 570 828 R1	CONNECTOR, 3/4" hydraulic "O" RING, .644 x .818 x .087"
	324 658 R1	HOSE, 3/8" ID bulk (X)

(*) - Attachment no Longer Available Service Parts will be Furnished As Ordered.

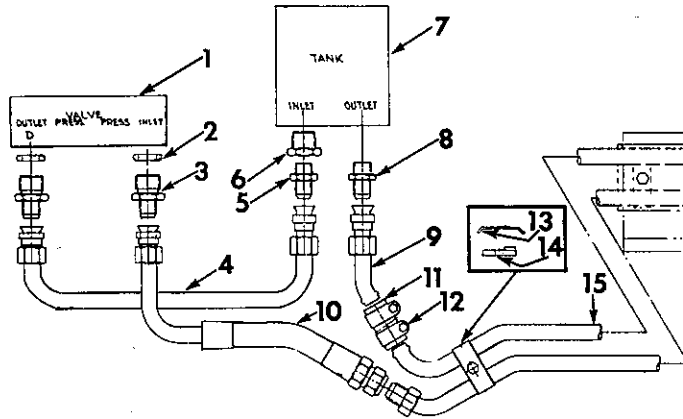
(X) - Order Cut Length As Required.

NOTE 2 - Field Application - Order on Machine Order Form.

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

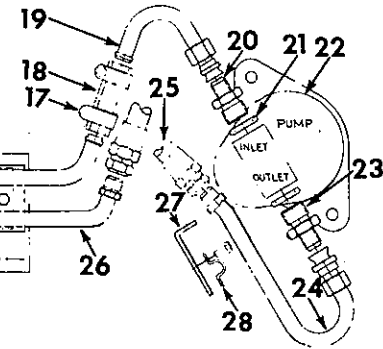
HYDRAULIC TILT PUMP PIPING
AND RELATED PARTS
(Part Of Hydraulic Tilt Attachments 342 217 R91 and 342 435 R91)
(Model 15B D-1 and 15B D-3)



MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT PUMP PIPING
AND RELATED PARTS - Continued
(Part Of Hydraulic Tilt Attachments 342 217 R91 and 342 435 R91)
(Model 15B D-1 and 15B D-3)



CEA-83262

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1		VALVE, hydraulic (for components see list of parts under details of "Hydraulic Valve")
	102 635	3/8" NUT (3)
	179 851	3/8 x 3" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
2	297 459 R1	"O" RING, 1.048 x 1.280 x .116" (2)
3	315 044 R1	CONNECTOR, straight boss (2)
4	342 236 R91	TUBE, valve to tank
5	9 402 711	CONNECTOR, 37° flared tube
6	128 003	BUSHING, reducer
7	275 930 R91	RESERVOIR, oil
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
8	9 402 713	CONNECTOR
9	342 431 R92	TUBE, suction (at valve)
10	343 574 R91	HOSE w/FITTINGS (HOSE, 3/4" ID x 14" long including FITTINGS)
11	343 825 R1	HOSE, 1 x 1-5/8 x 5" long
12	327 081 R91	CLAMP (2)
13	342 432 R2	CLAMP, tube (part of ATTACHMENT, 342 435 R91)
	102 635	3/8" NUT
	179 849	3/8 x 2-1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER
13	342 432 R2	CLAMP, tube (part of ATTACHMENT, 342 217 R91) (3)
	102 635	3/8" NUT (3)
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
14	325 565 R11	SPACER (3)
15	346 003 R1	TUBE, suction
16	342 433 R2	GUARD, channel (part of ATTACHMENT, 342 435 R91)
	102 635	3/8" NUT (2)
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
17	327 081 R91	CLAMP, hose (2)
18	343 825 R1	HOSE, 1 x 1-5/8 x 5" long
19	346 002 R91	TUBE, suction (at pump)
20	574 018 R1	CONNECTOR
21	368 269 R1	"O" RING (.924 x 1.156 x .116") (2)
22	333 880 R91	PUMP, hydraulic (for components see list of parts under details of "Hydraulic Pump")
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (2)
23	9 410 205	CONNECTOR, straight boss
24	346 004 R91	TUBE, pressure (at pump)
25	343 971 R91	HOSE w/two FITTING, 313 376 R91 (HOSE, 3/4" ID x 10" long including FITTINGS)
	25	HOSE w/o FITTINGS, cut length 3/4" ID x 7" long cut from bulk HOSE No. 313 244 R1
	313 376 R91	FITTING, swivel hose (2)
26	346 007 R91	TUBE, pressure
27	346 005 R1	BRACKET, tube mounting
28	346 006 R1	CLAMP
	102 635	3/8" NUT (2)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	326 236 R11	GUARD, cylinder tube
	102 637	1/2" NUT
	187 201	1/2 x 4-3/4" hex-hd cap SCREW
	103 328	1/2" lock WASHER
	179 905	9/16 x 1-3/8" x 12 ga WASHER (2)
	313 244 R1	HOSE, 3/4" ID bulk
	252 735 R1	"O" RING (5 x 5-1/4 x 1/8") (pump mounting)
	444 678	PLUG, 1"NPT pipe
	342 443 R11	STICK, dip
	354 868 R93	STRAINER, oil reservoir

(X) - Order Cut Length As Required.

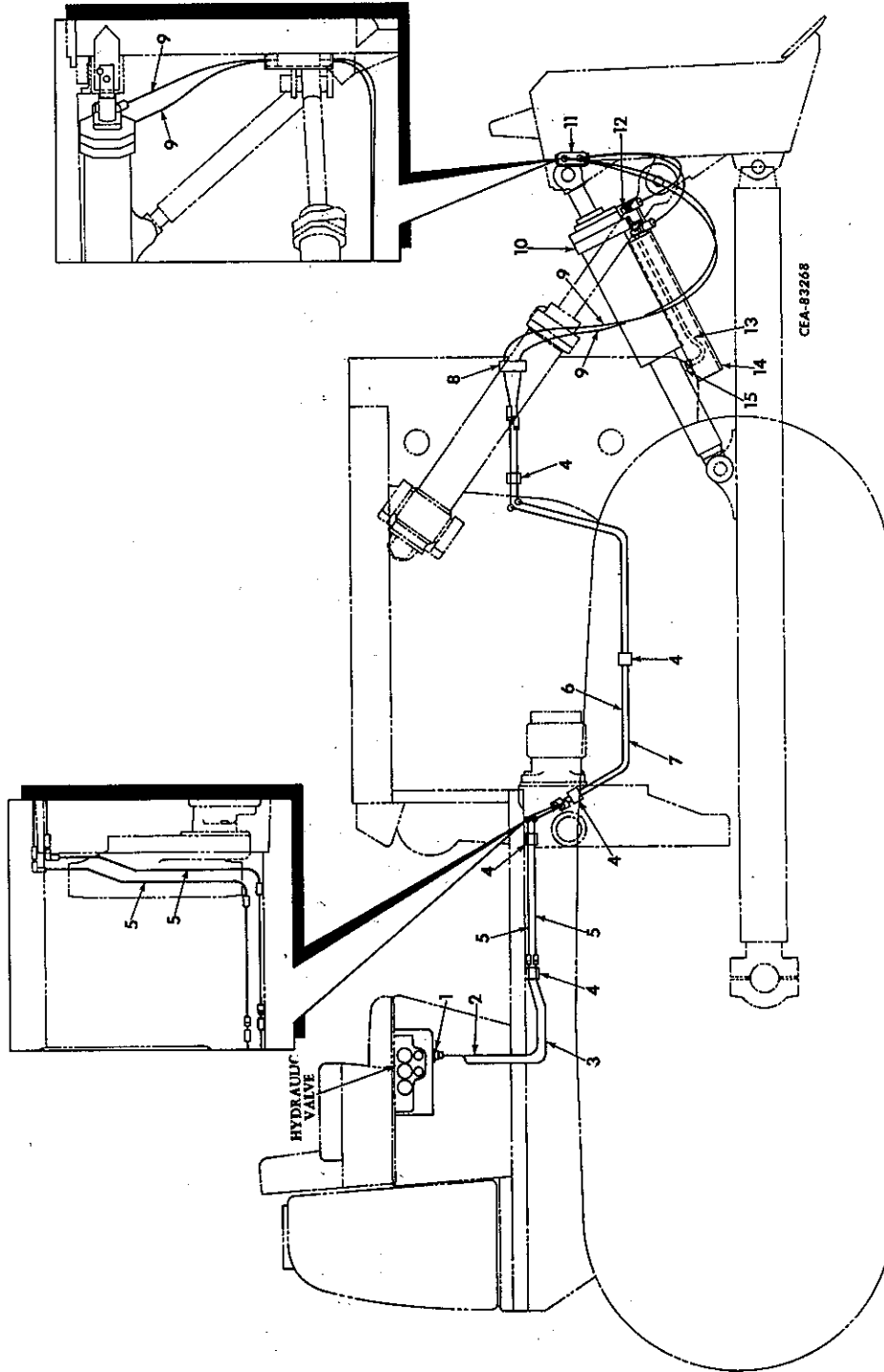
MEMORANDA

MEMORANDA

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS
(Model 15B D-2)
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134



MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS - Continued
(Model 15B D-2)
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134

MISCELLANEOUS
(For Tractor Equipment)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS - Continued
(Model 15B D2)
TD-15BP 6001 to 20134
TD-15BG 7260 to 20134

	342 215 R91	ATTACHMENT, hydraulic tilt (see NOTE 2)
1	333 457 R1 296 247 R1	CONNECTOR, straight boss (2) "O" RING, 1.717 x 1.403 x .116" (2)
2	346 206 R91	TUBE, inboard valve port
3	346 207 R91	TUBE, outboard valve port
4	323 284 R1 102 635 179 841 179 843 179 845 103 321	CLAMP, tube (5) 3/8" NUT (3) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8 x 1-1/2" hex-hd cap SCREW 3/8 x 1-3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (5)
5	602 971 C91	TUBE, crossover (2)
6	342 426 R91	TUBE, hydraulic cylinder (head end)
7	342 425 R91	TUBE, hydraulic cylinder (rod end)
8	326 239 R1	CLAMP, tapped-half
8	326 240 R1 179 885 103 323	CLAMP, drilled half 1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER
9	702 426 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 96" long including FITTINGS)
9		HOSE w/o FITTINGS, cut length 3/8" ID x 93" long cut from bulk HOSE No. 324 658 R1
	324 695 R91	FITTING, swivel hose (Aeroquip No. 4721-8-6)
	603 925 C91	FITTING, 90° swivel hose (Aeroquip No. 190264-8-6)
10		CYLINDER ASSY, tilt (for components see list of parts under details of "Hydraulic Tilt Cylinder")
11	326 239 R1	CLAMP, tapped (2)
11	326 241 R11 179 887 103 323	GUARD, hose 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
12	9 411 105 570 828 R1	ELBOW, 3/4" x 45° "O" RING, .644 x .818 x .087"
13	326 235 R91 179 840 103 321	TUBE, cylinder 3/8 x 1-1/8" cap SCREW (2) 3/8" lock WASHER (2)
14	326 236 R11 102 637 187 201 103 323 106 265	GUARD, cylinder tube 1/2" NUT 1/2 x 4-3/4" hex-hd cap SCREW 1/2" lock WASHER 9/16 x 1-3/8" x 12 ga WASHER (2)
15	9 410 203 570 828 R1	CONNECTOR, 3/4" "O" RING, .644 x .818 x .087"
	324 658 R1	HOSE, 3/8" ID bulk ⊗

⊗ - Order Cut Length As Required.
NOTE 2 - Field Application - Order On
Machine Order Form.

MISCELLANEOUS
(For Tractor Equipment)

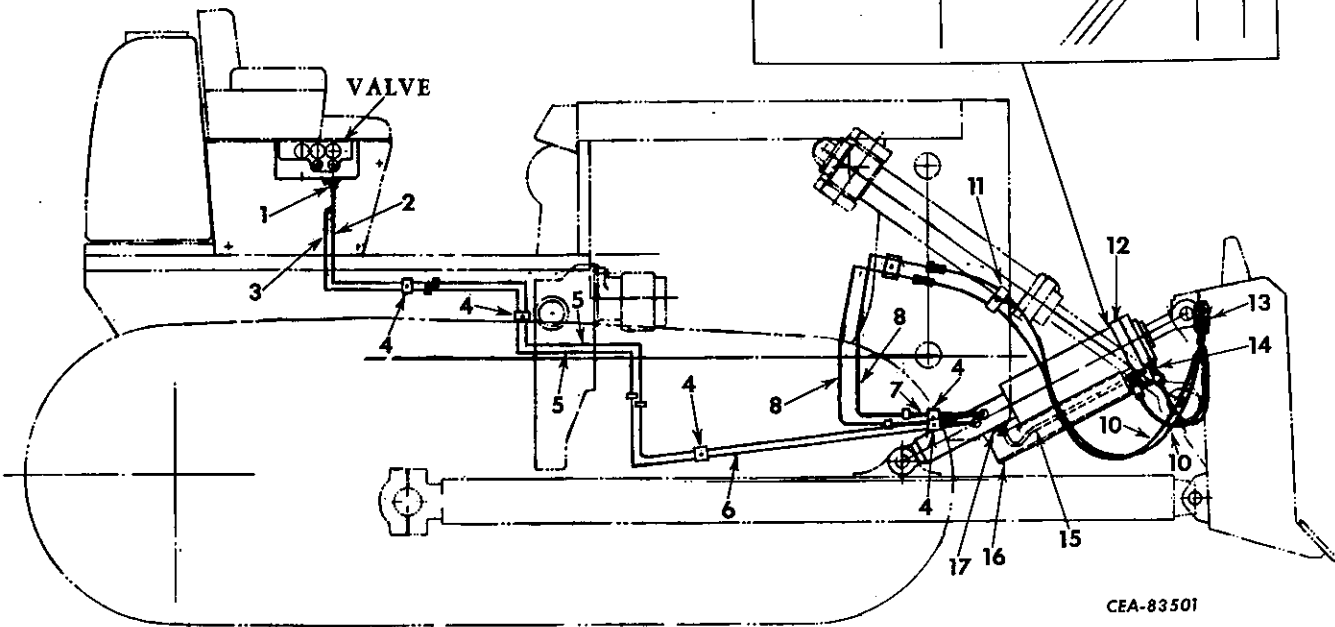
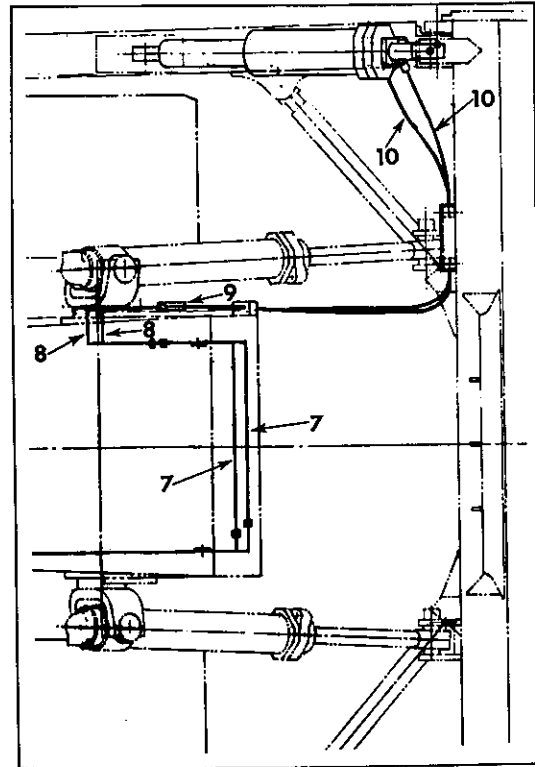
HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS
(Model 15B D-2)
TD-15BG 20135 up

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS - Continued
(Model 15B D-2)
TD-15BG 20135 up



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MISCELLANEOUS
(For Tractor Equipment)

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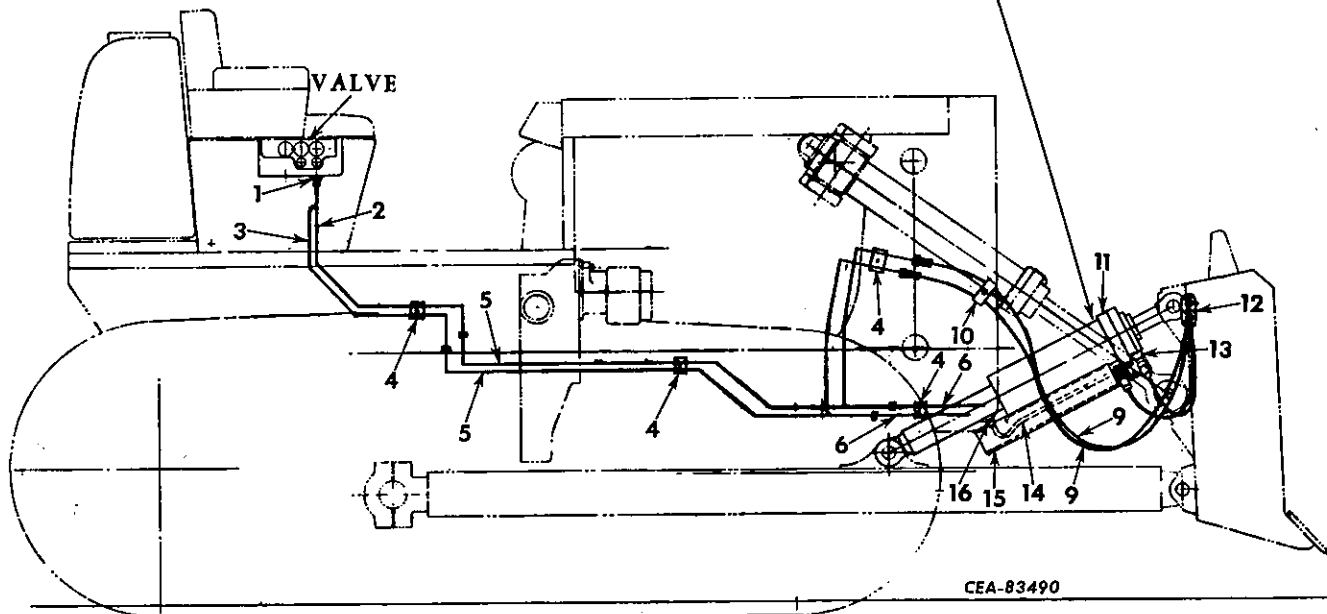
REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TILT		
HYDRAULIC TILT CYLINDER PIPING AND RELATED PARTS - Continued (Model 15B D-2) TD-15BG 20135 up		
	611 634 C91	ATTACHMENT, hydraulic tilt (see NOTE 2)
1	333 457 R1 296 247 R1	CONNECTOR, tube (at valve) (2) "O" RING, 1.171 x 1.403 x .116" (2)
2	611 630 C91	TUBE, inboard valve tube
3	611 631 C91	TUBE, outboard valve tube
4	323 284 R1 102 635 179 841 179 845 600 591 C1 103 321	CLAMP, tube (5) 3/8" NUT 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8 x 1-3/4" hex-hd cap SCREW SPACER, tube clamp (2) 3/8" lock WASHER (5)
5	611 629 C91	TUBE, intermediate (2)
6	611 632 C91	TUBE, front (2)
7	608 285 C91	TUBE, crossover (2)
8	608 284 C91	TUBE, hydraulic cylinder (2)
9	259 050 R1 600 591 C1 102 635 179 845 103 321	CLAMP, tube SPACER, tube clamp 3/8" NUT 3/8 x 1-3/4" hex-hd cap SCREW 3/8" lock WASHER
10	702 426 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 96" long including FITTINGS) (2)
10		HOSE w/o FITTINGS, cut length 3/8" ID x 93" long cut from bulk HOSE, 324 658 R1
	324 695 R91	FITTING, female swivel hose (at tube) (Aeroquip No. 4721-816) (2)
	603 925 C91	FITTING, 90° female swivel hose (at cylinder) (Aeroquip No. 190264-8-6) (2)
11	326 239 R1 326 240 R1 179 885 103 323	CLAMP, tapped half CLAMP, drilled half 1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER
12		CYLINDER, hydraulic tilt (for components see list of parts under details of "Hydraulic Tilt Cylinder")
13	326 239 R1 326 241 R11 179 887 103 323	CLAMP, tapped half (2) GUARD, hole 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
14	9 411 105 570 828 R1	ELBOW, 3/4" x 45° hose connecting "O" RING, .644 x .818 x .087"
15	326 235 R91 179 840 103 321	TUBE, cylinder 3/8 x 1-1/8" hex hd cap SCREW (2) 3/8" lock WASHER (2)
16	326 236 R11 102 637 187 201 106 265	GUARD, cylinder tube 1/2" NUT 1/2 x 4-3/4" hex-hd cap SCREW 9/16 x 1-3/8" x 12 ga WASHER (2)
17	9 410 203 570 828 R1 324 658 R1	CONNECTOR, 3/4" "O" RING, .644 x .818 x .087" HOSE, 3/8" ID bulk ⊗

⊗ - Order Cut Length As Required.
NOTE 2 - Field Application - Order On
Machine Order Form.

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS
(Model TD-15B D-2)
TD-15BP 20135 up

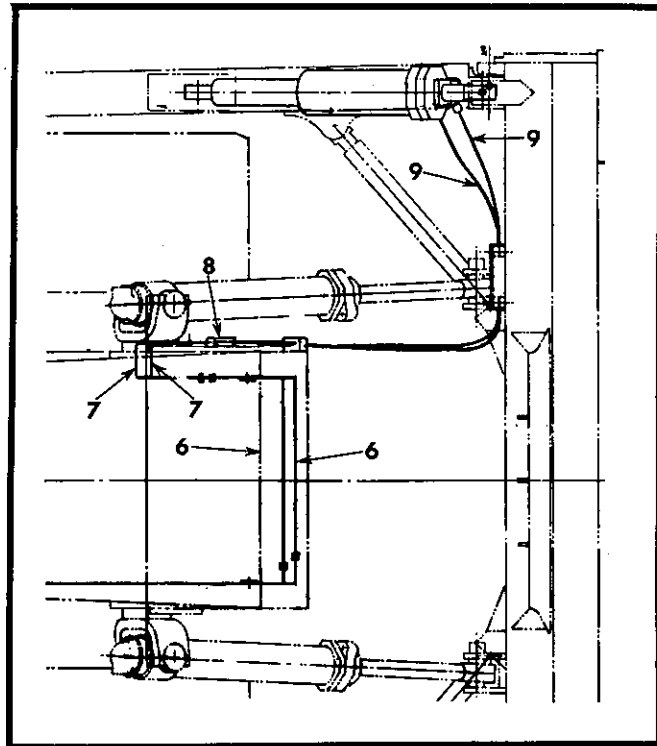


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MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT

HYDRAULIC TILT CYLINDER PIPING
AND RELATED PARTS - Continued
(Model TD-15B D-2)
TD-15BP 20135 up



-501-
MISCELLANEOUS
 (For Tractor Equipment)

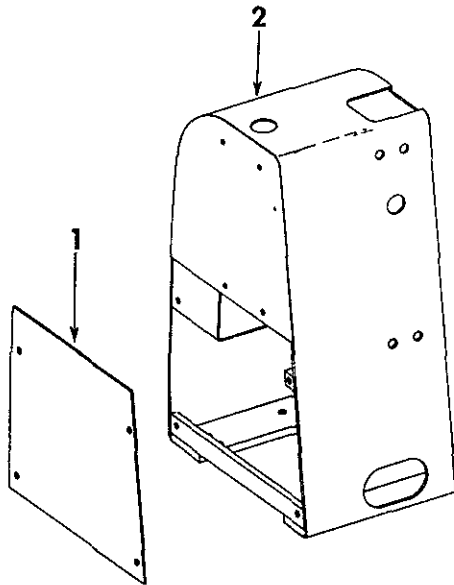
-501-
MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC TILT		
HYDRAULIC TILT CYLINDER PIPING AND RELATED PARTS - Continued		
(Model TD-15B D-2)		
TD-15BP 20135 up)		
	608 290 C91	ATTACHMENT, hydraulic tilt (See NOTE 2)
1	333 457 R1 296 247 R1	CONNECTOR tube (at valve) (2) "O" RING, 1.171 x 1.403 x .116" (2)
2	608 287 C91	TUBE, inboard valve tube
3	608 288 C91	TUBE, outboard valve tube
4	323 284 R1 600 591 C1 102 635 179 841 179 845 103 321	CLAMP, tube (4) SPACER, tube clamp 3/8" NUT 3/8 x 1-1/4" hex-hd cap SCREW (3) 3/8 x 1-3/4" hex-hd cap SCREW 3/8" lock WASHER (4)
5	608 286 C91	TUBE, intermediate (2)
6	608 285 C91	TUBE, crossover (2)
7	608 284 C91	TUBE, hydraulic cylinder (2)
8	259 050 R1 600 591 C1 102 635 179 845 103 321	CLAMP, tube SPACER, tube clamp 3/8" NUT 3/8 x 1-3/4" hex-hd cap SCREW 3/8" lock WASHER
9	603 926 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 5/8" ID x 96" long including FITTINGS) (2)
9	324 695 R91 603 925 C91	HOSE w/o FITTINGS, cut length 3/8" ID x 93" long cut from bulk HOSE No. 324 658 R1 FITTING, female swivel hose (at tube) (Aeroquip No. 4721-8-6) (2) FITTING, 90° female swivel hose (at tube) (Aeroquip No. 190264-8-6) (2)
10	326 239 R1 326 240 R1 179 885 103 323	CLAMP, tapped half CLAMP, drilled half 1/2 x 1-1/2" hex-hd cap SCREW 1/2" lock WASHER
11		CYLINDER, hydraulic tilt (for components see list of parts under details of "Hydraulic Tilt Cylinder")
12	326 239 R1 326 241 R11 179 887 103 323	CLAMP, tapped (2) GUARD, hose 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
13	9 411 105 570 828 R1	ELBOW, 3/4" x 45° hose connecting "O" RING, .644 x .818 x .087"
14	326 235 R91 179 840 103 321	TUBE, cylinder 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
15	326 236 R11 187 201 102 637 106 265 103 323	GUARD, cylinder tube 1/2 x 4-3/4" hex-hd cap SCREW 1/2" NUT 9/16 x 1-3/8" x 12 ga WASHER (2) 1/2" lock WASHER
16	9 410 203 570 828 R1 324 658 R1	CONNECTOR, 3/4" "O" RING, .644 x .818 x .087" HOSE, 5/8" ID bulk ⊗

⊗ - Order Cut Length As Required.
 NOTE 2 - Field Application - Order On
 Machine Order Form.

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HOUSING CONTROLS AND RELATED PARTS
(Models 15B-D1 and 15B-D3)

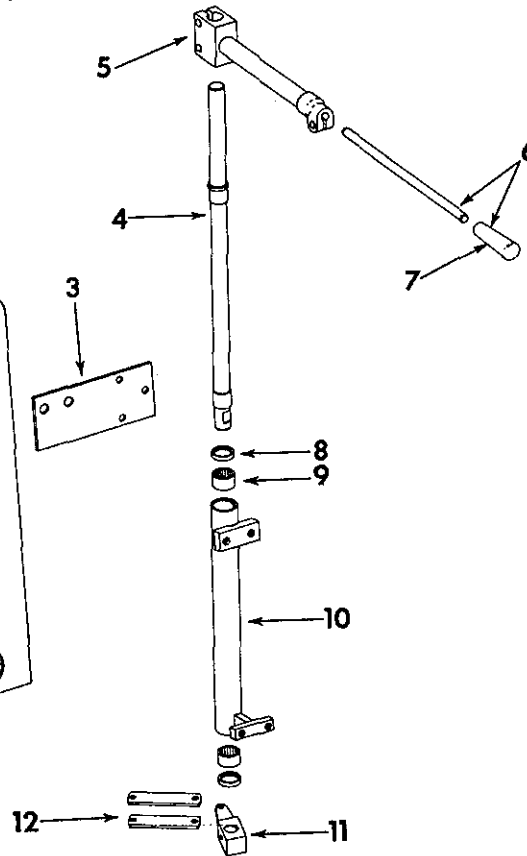


IPA-67463

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	342 226 R1	COVER
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
2	342 218 R11	HOUSING, tilt control
	179 881	1/2 x 1" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)
3	335 675 R2	PLATE, tilt box mounting
	179 842	3/8 x 1-3/8" hex-hd cap SCREW (3)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (3)
	103 323	1/2" lock WASHER (2)
4	342 233 R11	SHAFT w/two RACE, 308 813 R1, tiller
5	319 187 R91	LEVER, tiller
	102 639	5/8" NUT (2)
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (2)
6	293 808 R91	HANDLE w/GRIP, 619 405 C1, control
	179 883	1/2 x 1-1/4" hex-hd cap SCREW
	103 329	1/2" heavy lock WASHER
7	619 405 C1	GRIP, handle

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HOUSING CONTROLS AND RELATED PARTS - Continued
(Models 15B-D1 and 15B-D3)



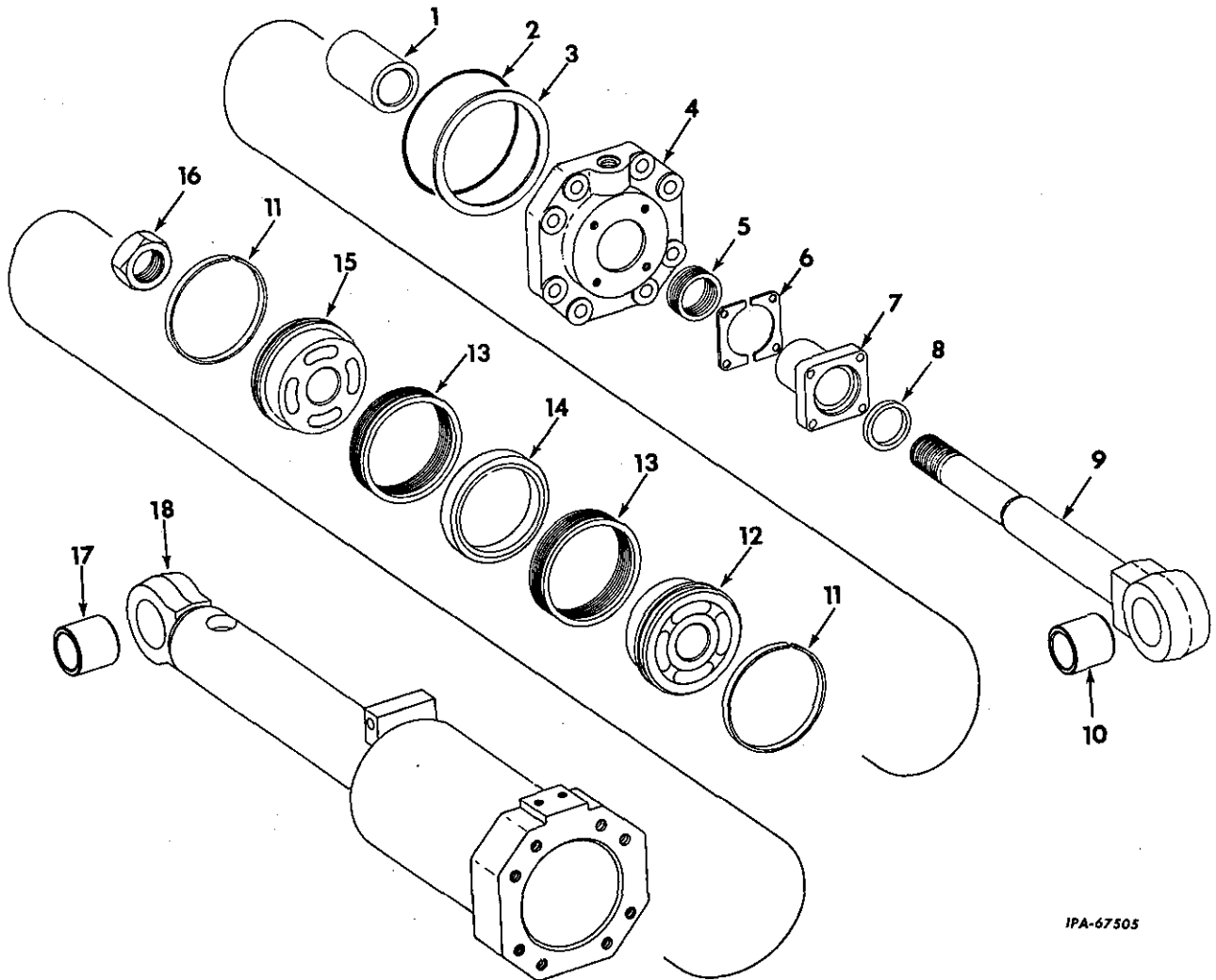
REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	287 058 R91	OIL SEAL, control shaft tube (2)
9	298 175 R91	BEARING, control shaft tube (2)
10	342 228 R11	TUBE, control shaft
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
11	342 237 R91	LEVER
	295 535 R1	BOLT, 5/16" locking 5/16" stover lock NUT
12	342 235 R1	LINK, tilt control (2)
	103 495	PIN, rod end (2)
	107 762	3/32 x 5/8" cotter PIN (2)
	271 282	FITTING, 1/8 x 30° extra short lubrication (optional with 109 459)
	109 459	FITTING, 1/8 x 30° extra short lubrication (optional with 271 282)
	308 813 R1	RACE, tiller shaft (2)

-503-
MISCELLANEOUS
(For Tractor Equipment)

-503-
MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HYDRAULIC TILT CYLINDER

HYDRAULIC TILT
HYDRAULIC TILT CYLINDER - Continued



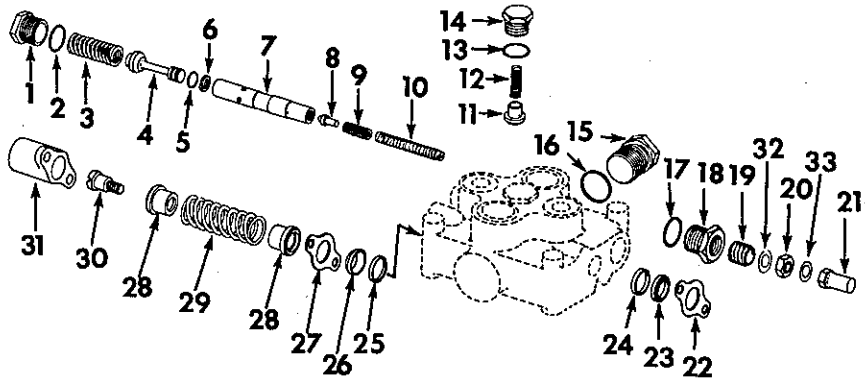
IPA-67505

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	326 233 R91	CYLINDER ASSEMBLY, Hydraulic tilt
1	317 126 R1	SPACER, piston rod
2	252 737 R1	"O" RING, 4-3/4 x 5-1/4 x 1/4"
3	327 251 R1	RING, back up
4	326 234 R1 179 911	CAP, cylinder 9/16 x 2-1/4" hex-hd cap SCREW (8)
5	294 512 R92	PACKING, piston rod chevron
6	294 515 R1	SHIM, cylinder cap packing gland (30)
7	294 514 R2 179 886 103 323	GLAND, cylinder cap packing 1/2 x 1-5/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
8	297 490 R91	SEAL, piston rod dust

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	317 096 R91	ROD w/BUSHING, 290 290 R2, piston
10	290 290 R2	BUSHING, piston rod
11	295 920 R1	RING, piston wear (2)
12	317 097 R1	PISTON, split front
13	317 099 R91	PACKING, piston (2)
14	317 098 R1	SPACER, packing
15	317 097 R1	PISTON, split rear
16	18 489 R1	NUT, 1-1/4" elastic stop
17	290 290 R2	BUSHING, cylinder housing
18	317 092 R91	HOUSING w/BUSHING, 290 290 R2, cylinder

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HYDRAULIC VALVE
(Model 15B-D1 and 15B-D3) (Husco)



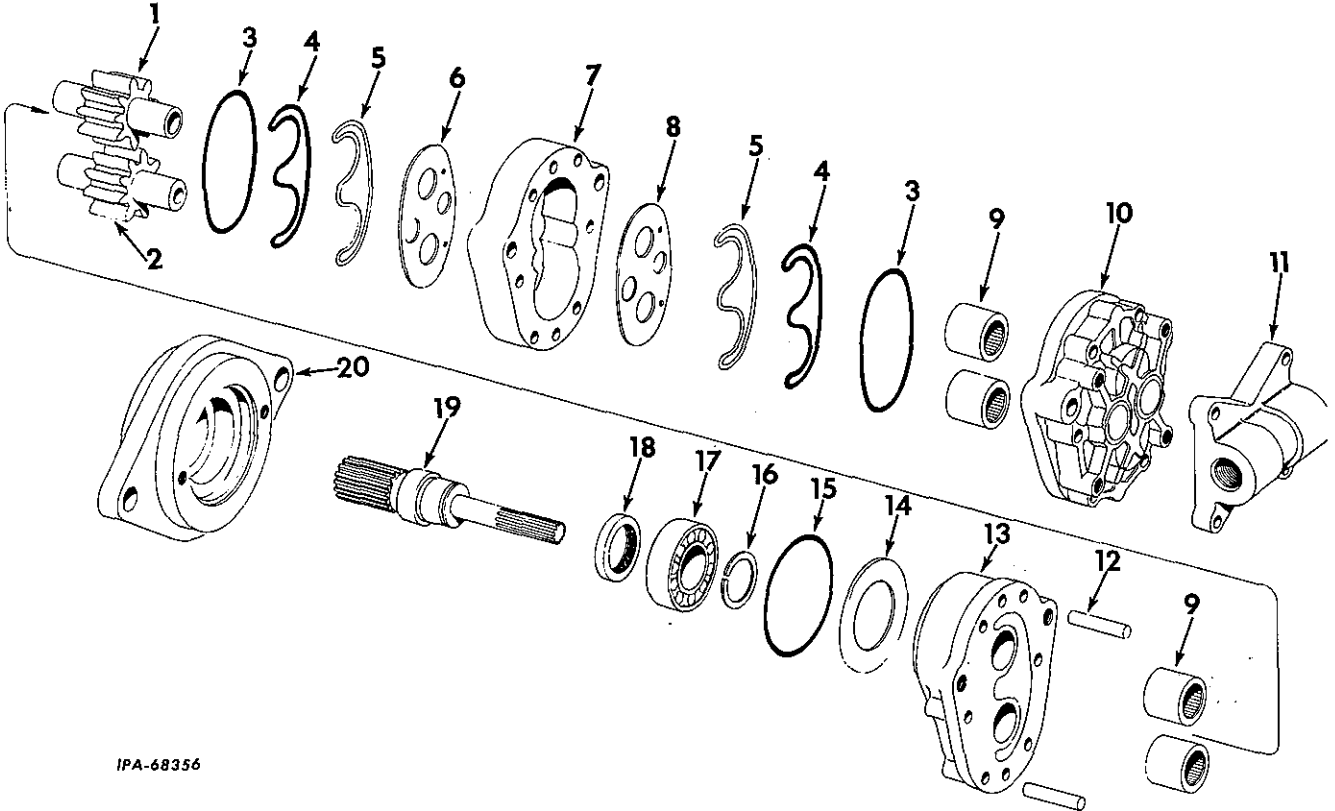
IPA-60884 B

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	313 578 R91	VALVE ASSEMBLY, single plunger hydraulic (Consists of the following parts - 102 635 3/8" NUT (3) 179 851 3/8 x 3" hex-hd cap SCREW (3) 103 321 3/8" lock WASHER (3)
1	310 807 R1	PLUG, relief valve
2	368 269 R1	"O" RING, 3/4" tubing
3	310 808 R1	SPRING, relief valve poppet
4	310 810 R1	POPPET, relief valve
5	355 967 R1	"O" RING, 1/2 x 3/8 x 1/16"
6	310 811 R1	RING, back-up
7	310 809 R1	SLEEVE, relief valve
8	310 812 R1	POPPET, relief valve pilot
9	310 813 R1	SPRING, relief valve pilot
10	310 816 R1	SCREW, relief valve adjusting
11	310 819 R1	POPPET, check valve
12	310 820 R1	SPRING, check valve poppet
13	364 885 R1	"O" RING, 5/8" tubing
14	310 821 R1	PLUG, check valve
15	310 850 R1	PLUG, port (2)
16	297 459 R1	"O" RING, 7/8" tubing (2)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
17	368 269 R1	"O" RING, 3/4" tubing
18	310 815 R1	PLUG, relief valve pilot
19	310 814 R1	SLEEVE, adjusting screw
20	310 817 R1	NUT, adjusting screw lock
21	310 818 R1	NUT, adjusting screw castle
22	310 798 R1 142 344	PLATE, seal (detent end) 1/4 x 3/8" rd-hd. sltd machine SCREW (2)
23	310 796 R1	SEAL and WIPER, oil (detent end)
24	310 797 R1	RING, seal support (detent end)
25	310 797 R1	RING, seal support (eye end)
26	310 796 R1	SEAL and WIPER, oil (eye end)
27	310 798 R1 142 344	PLATE, float plunger seal (eye end) 1/4 x 3/8" rd-hd. sltd. machine SCREW (2)
28	310 822 R1	SEAT, standard plunger detent spring (2)
29	310 823 R1	SPRING, standard plunger detent
30	310 824 R1	SCREW, standard plunger detent
31	310 825 R1 214 413	CAP, standard plunger detent (3324) 1/4 x 7/8" hex-soc-hd mach SCREW (2)
32	175 683 H1	WASHER
33	175 684 H1	WASHER

MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HYDRAULIC PUMP
(Webster)



IPA-68356

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	333 880 R91	PUMP, hydraulic (consists of the following parts)
1	346 786 R1	GEAR, drive
2	343 538 R1	GEAR, idler
3	215 748 H1	SEAL, retaining plate (2)
4	343 532 R1	RING, sealing (2)
5	343 531 R1	RING, back-up (2)
6	343 533 R1	PLATE, body wear
7	346 787 R1	PLATE, gear
8	343 534 R1	PLATE, cover wear
9	142 928 H	BEARING, needle (4 used w/BODY, 346 789 R91)
10	346 785 R91	COVER w/two BEARING, 142 928 H
	179 828	5/16 x 2-1/2" hex-hd cap SCREW (6)
	186 285	3/8 x 4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)

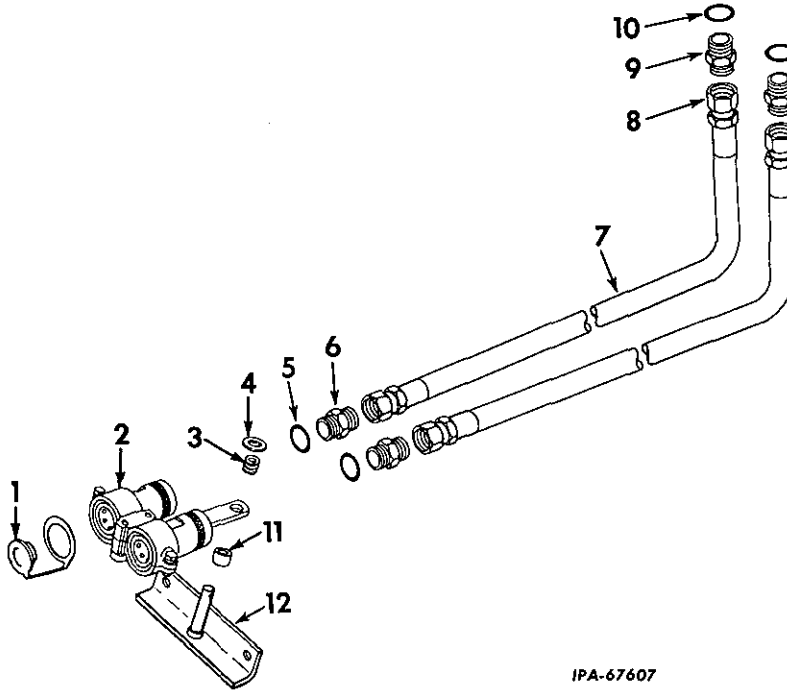
MISCELLANEOUS
(For Tractor Equipment)

HYDRAULIC TILT
HYDRAULIC PUMP - Continued
(Webster)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
11	346 783 R1 179 818	MANIFOLD 5/16 x 1" hex-hd cap SCREW (4)
12	346 788 R1	PIN, dowel (2)
13	205 384 H1	BODY, pump (will work for BODY ASSY, 346 789 R91)
14	346 791 R1	WASHER, thrust
15	346 798 R1	"O" RING, adapter (3-1/4 x 3-7/16 x 3/32")
16	346 799 R1	RING, retaining
17	ST 213	BEARING, ball
18	346 850 R91	OIL SEAL
19	346 800 R1	SHAFT, drive
20	346 790 R91	ADAPTER w/SEAL, 346 850 R91
	379 181 R1	"O" RING, cover (5/8 x 3/4 x 1/16") (2)

MISCELLANEOUS
(For Crawler Tractors)

BREAKAWAY COUPLING ATTACHMENT
BREAKAWAY COUPLING PIPING



IPA-67607

MISCELLANEOUS
(For Crawler Tractors)

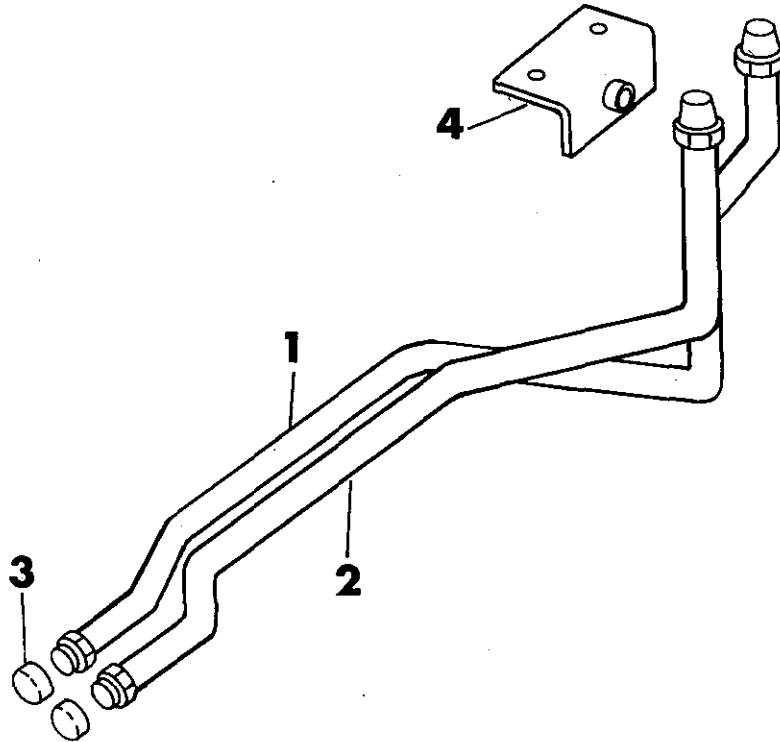
BREAKAWAY COUPLING ATTACHMENT
BREAKAWAY COUPLING PIPING- Continued

REF. NO.	I.H. PART NUMBER	DESCRIPTION
		Parts without letters after the description indicates the part is used for all attachments listed below: Letters "A" and "B" are used to identify separate attachments.
A	342 147 R91	ATTACHMENT, breakaway coupling (#) (used on units equipped with single spool hydraulic valve assembly) (used in conjunction with breakaway coupling ATTACHMENT, 605 033 C91, when unit is equipped with triple spool hydraulic valve assembly)
B	605 033 C91	ATTACHMENT, breakaway (#) (used on units equipped with triple spool hydraulic valve assembly) (ATTACHMENT, 342 147 R91, should be used in conjunction with this attachment)
1	373 220 R1	CAP, dust (2)
2	374 777 R92	COUPLING, hydraulic breakaway (for components see list of parts under details of "Breakaway and Self-Sealing Coupling")
3	353 213 R2 103 343 103 383	SPRING, breakaway coupling bracket WASHER, 17/32 x 1-1/16" x 13 ga 1/8 x 1" cotter PIN
5	364 885 R1	"O" RING, .755 x .949 x .097" (2)
6	9 410 204	ADAPTER, 7/8NF x 7/8NF (coupling end) (2)
7	324 882 R91	HOSE w/two FITTING, 100 797 R91 (HOSE, 1/2" ID x 48" long including FITTINGS) (Aeroquip No. A-150203-10-48) (2 for ATTACHMENT A)
7		HOSE w/o FITTINGS, cut length 1/2" ID x 44-1/4" long cut from Bulk Hose No. 319 709 R1 (2 for ATTACHMENT A)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	606 087 C91	HOSE w/two FITTING, 100 797 R91 (HOSE, 1/2" ID x 68" long including FITTINGS) (Aeroquip No. A-1503-10-68) (2 for ATTACHMENT B)
7		HOSE w/o FITTINGS, cut length 1/2" ID x 64-1/4" long cut from Bulk Hose No. 319 709 R1 (2 for ATTACHMENT B)
8	100 797 R91	FITTING, straight swivel hose (Aeroquip No. 4411-10) (4)
9	222 648 H1	ADAPTER (valve end) (2)
10	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (2)
11	23 111 H	SPACER, breakaway coupling bracket
12	335 347 R91 102 635 433 114 103 321	BRACKET, breakaway coupling 3/8" NUT (2) 3/8 x 4-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
	341 985 R1 102 635 179 839 103 321	CLAMP, hose (2 for ATTACHMENT B) 3/8" NUT 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER
	605 032 C1 308 579 R1	CLAMP, hose CLAMP, hose (2)
	580 883 R1 102 635 186 288	SPACER (ATTACHMENT A) 3/8" NUT (ATTACHMENT A) 3/8 x 4-1/2" hex-hd cap SCREW (ATTACHMENT A)
	103 321	3/8" lock WASHER (ATTACHMENT A)
	319 709 R1	HOSE, 1/2" ID bulk (X)
		(#) - Attachment No Longer Available Service Parts will be Furnished. (X) - Order Cut Length As Required.

MISCELLANEOUS
(For Tractor Equipment)

REAR HYDRAULIC PLUMBING ATTACHMENT
(Single Spool)



CE-92551

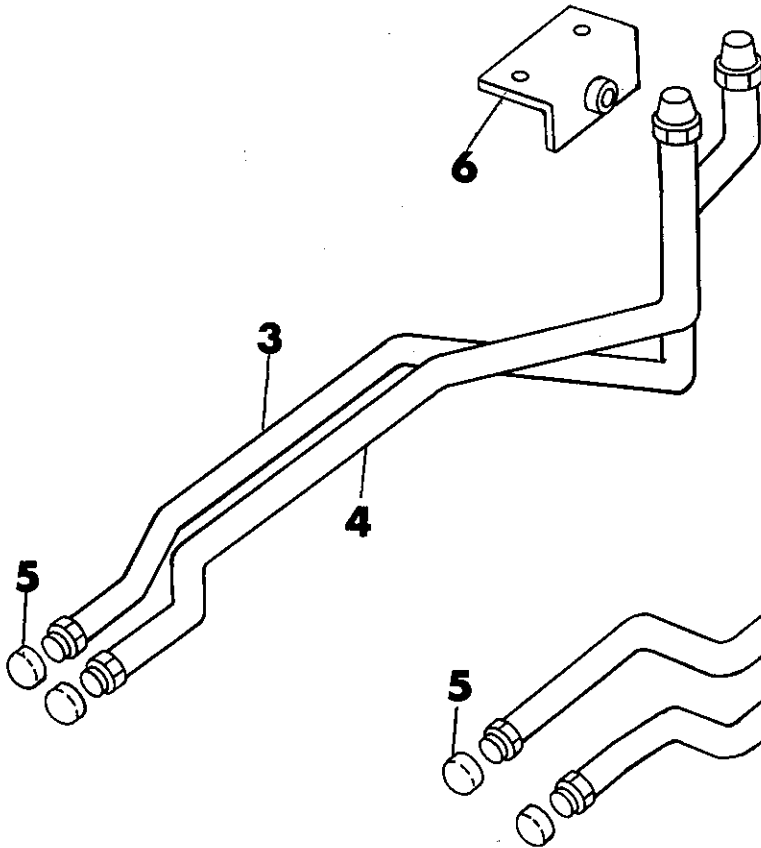
REF. NO.	I. H. PART NUMBER	DESCRIPTION
	614 253 C91	ATTACHMENT, rear hydraulic plumbing (Applicable to D2 and G2 if no blade is used) (See NOTE)
1	614 236 C1	TUBE, inboard
2	614 237 C1	TUBE, outboard
3	119 102	CAP, pipe (2)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4	614 238 C91	BRACKET
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	102 635	3/8" NUT (2)
	67 498 D	SPACER (2)
5	614 242 C1	CLAMP, tube
	179 882	1/2 x 1-1/8" hex-hd cap SCREW
	103 323	1/2" lock WASHER
	IZG 8218	DRAWING, rear hydraulic plumbing installation

NOTE 3 - Field Application - Order Through
Regular Service Parts Channels.

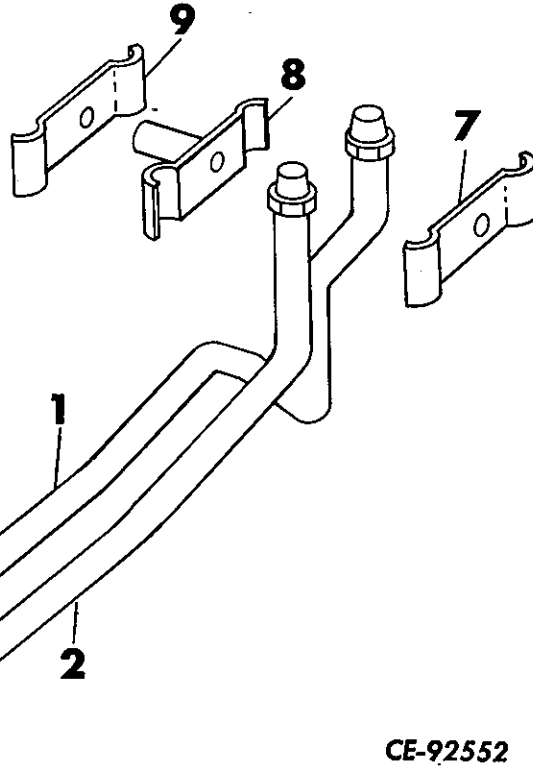
MISCELLANEOUS
(For Tractor Equipment)

REAR HYDRAULIC PLUMBING ATTACHMENT
(Triple Spool)



MISCELLANEOUS
(For Tractor Equipment)

REAR HYDRAULIC PLUMBING ATTACHMENT - CONTINUED
(Triple Spool)



CE-92552

REF. NO.	I. H. PART NUMBER	DESCRIPTION
Parts without letters after the description indicates the part is used for all attachments listed below: Letters "A" and "B" are used to identify separate attachments.		
A	614 254 C91	ATTACHMENT, rear hydraulic plumbing (For triple spool valve) (See NOTE 3)
B	614 252 C92	ATTACHMENT, rear hydraulic plumbing (614 254 C91 must be used in conjunction with this attachment) (See NOTES 1 and 3)
1	614 244 C1	TUBE, inboard (ATTACHMENT A)
2	614 245 C1	TUBE, outboard (ATTACHMENT A)
3	623 292 C1	TUBE, inboard (ATTACHMENT B)
4	614 248 C1	TUBE, outboard (ATTACHMENT B)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
5	119 102	CAP pipe (2)
6	614 238 C91 179 841 103 321 102 635 67 498 D	BRACKET (for ATTACHMENT A) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 3/8" NUT (2) SPACER (2)
7	614 242 C1 179 882 103 323	CLAMP, tube (For ATTACHMENT A) 1/2 x 1-1/8" hex-hd cap SCREW 1/2" lock WASHER
8	614 249 C91	CLAMP, tube (ATTACHMENT B)
9	614 242 C1 187 152 103 323 IZG 8218	CLAMP, tube (ATTACHMENT B) 1/2 x 5" hex-hd cap SCREW 1/2" lock WASHER DRAWING, rear hydraulic plumbing installation

NOTE 1 - Factory Application - Order On Machine Order Form.

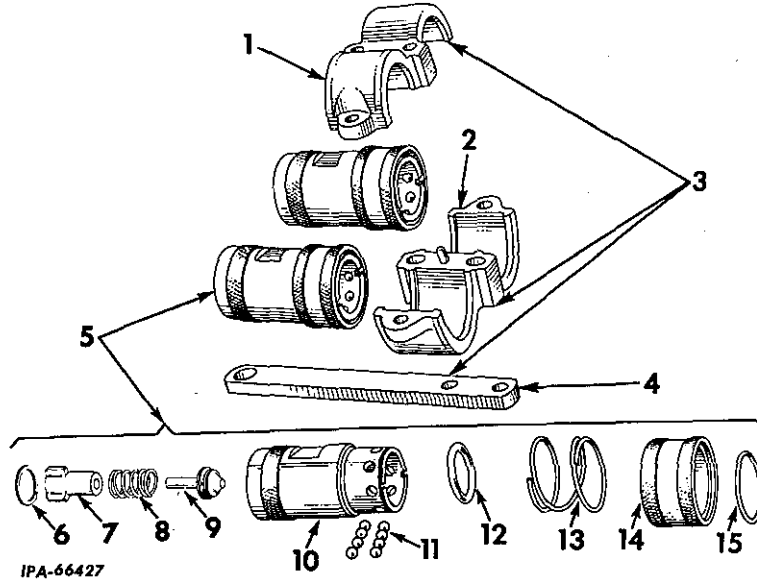
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Tractor Equipment)

BREAK-AWAY COUPLING ATTACHMENT
HYDRAULIC BREAK-AWAY AND SELF
SEALING COUPLINGS

MISCELLANEOUS
(For Tractor Equipment)

BREAK-AWAY COUPLING ATTACHMENT
HYDRAULIC BREAK-AWAY AND SELF
SEALING COUPLINGS - Continued



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	374 777 R92	COUPLING ASSEMBLY, breakaway (composed of FRAME, 371 110 R91 and two COUPLING, 374 780 R91)
1	371 115 R1 179 795 19 297 R1	CLAMP, self-sealing coupling frame 1/4 x 3/4" hex-hd cap SCREW (2) 1/4" cd-pltd lock WASHER (2)
2	371 114 R1	FRAME, self-sealing coupling
3	371 110 R91	FRAME ASSEMBLY, self-sealing coupling
4	371 116 R1 179 822	BRACKET, self-sealing coupling frame 5/16 x 1-1/2" hex-hd cap SCREW (2)
5	374 780 R92	COUPLING ASSEMBLY, self-sealing female (2)
6	378 043 R1	RETAINER, check valve spring
7	378 043 R1	RETAINER, check valve spring

REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	371 121 R1	SPRING, check valve retaining
9	378 042 R11	VALVE, check
10		BODY, self-sealing coupling - female (order COUPLING, 374 780 R92)
11		BALL, lock (order COUPLING, 374 780 R92)
12	254 691 R1	"O" RING, self-sealing coupling
13		SPRING, lock ball retainer (order COUPLING, 374 780 R92)
14		RETAINER, lock ball (order COUPLING, 374 780 R92)
15		STOP, lock ball retainer (order COUPLING, 374 780 R92)

MISCELLANEOUS
(For Tractor Equipment)

MEMORANDA

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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PRODUCT GRAPHICS

The following instructional Product Graphics are available.

For Model 110 Single Drum Front Cable Control Unit

- 2 751 192 R1 PRODUCT GRAPHIC, adjustment (+)
- 2 751 198 R1 PRODUCT GRAPHIC, adjustment (%)

For Model 15B-260 Double Drum Rear-Cable Control Unit and Model 15B-260S Single Drum Rear-Cable Control Unit

- 2 752 600 R1 PRODUCT GRAPHIC, oil level (+)
- 2 752 601 R1 PRODUCT GRAPHIC, oil level (%)
- 2 751 201 R1 PRODUCT GRAPHIC, adjustment (+)
- 2 752 207 R1 PRODUCT GRAPHIC, adjustment (%)

(+) - For Use On Units Painted IH Yellow.
(%) - For Use On Units Painted Other Than IH Yellow.

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		941 881	184	1 904 443	181	1 917 084	181
		1 100 062	185	1 905 406	109	1 917 119	107
		1 105 233	109	1 905 406	111	1 917 119	181
		1 105 233	184	1 905 406	183	1 917 123	109
114	407	1 105 237	110	1 905 406	184	1 917 123	111
116	407	1 105 237	182	1 905 406	186	1 917 123	183
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124	407	1 119 233	188	1 910 182	188	1 918 004	182
126	407	1 119 518	186	1 910 966	112	1 918 004	184
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130	407	1 119 677	187	1 910 966	187	1 922 599	113
132	407	1 119 896	107	1 910 966	188	1 922 599	187
134	407	1 119 896	181	1 912 159	112	1 922 599	188
136	407	1 843 646	107	1 912 159	113	1 922 996	187
138	407	1 853 342	107	1 912 159	187	1 923 517	112
140	407	1 853 342	181	1 912 159	188	1 923 517	188
195	407	1 855 936	117	1 912 176	112	1 923 935	107
719	407	1 855 936	190	1 912 176	113	1 924 764	112
719	408	1 855 978	113	1 912 176	187	1 924 764	113
861	407	1 855 978	187	1 912 176	188	1 924 764	187
453 290	107	1 858 749	109	1 913 688	109	1 924 764	188
453 319	108	1 858 749	110	1 913 688	184	1 928 021	107
453 435	107	1 858 749	182	1 913 689	109	1 928 021	181
453 435	108	1 858 749	184	1 913 689	110	1 928 022	107
453 435	110	1 864 099	116	1 913 689	182	1 928 022	181
453 460	109	1 867 150	107	1 913 689	184	1 930 236	109
453 465	107	1 867 150	181	1 913 743	109	1 930 236	110
453 479	109	1 872 678	107	1 913 743	110	1 930 236	182
453 844	110	1 872 678	181	1 913 743	182	1 930 236	184
453 996	107	1 873 796	108	1 913 743	184	1 930 237	109
805 258	107	1 873 796	181	1 913 828	117	1 930 237	110
805 258	181	1 878 493	113	1 913 828	190	1 930 237	182
805 790	107	1 878 493	187	1 913 960	107	1 930 237	184
805 790	181	1 878 503	112	1 913 960	181	1 930 685	116
809 062	109	1 878 503	113	1 914 579	109	1 930 694	107
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809 062	184	1 878 505	112	1 914 579	182	1 931 783	181
809 593	107	1 878 505	113	1 914 579	183	1 931 784	107
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809 763	109	1 878 505	188	1 914 580	109	1 931 886	112
809 763	110	1 878 507	112	1 914 580	184	1 931 886	188
809 763	181	1 878 507	113	1 914 593	108	1 931 887	112
809 763	182	1 878 507	187	1 914 593	181	1 931 887	113
809 763	184	1 878 507	188	1 914 750	109	1 931 887	187
809 945	109	1 878 516	112	1 914 750	111	1 931 887	188
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809 945	184	1 878 516	188	1 914 800	112	1 932 354	181
810 819	107	1 878 517	112	1 914 800	113	1 932 506	109
810 819	181	1 878 517	188	1 914 800	187	1 932 506	184
815 540	107	1 879 530	109	1 914 800	188	1 932 872	106
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821 453	107	1 879 663	112	1 914 816	112	1 933 239	112
821 453	181	1 879 663	113	1 914 816	184	1 933 239	188
823 551	109	1 879 663	187	1 914 816	188	1 933 941	112
823 551	184	1 879 663	188	1 914 873	107	1 933 941	113
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826 319	111	1 886 953	115	1 915 172	109	1 933 941	188
826 319	183	1 902 746	109	1 915 172	111	1 933 999	107
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1 943 386	186	1 950 069	107	1 962 546	181	9 402 745	382
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603 162 C1	220	603 558 C91	215	604 096 C1	385	604 792 C1	127
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603 202 C1	213	603 561 C91	69	604 186 C91	288	604 841 C91	225
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603 204 C2	213	603 561 C91	320	604 188 C91	287	604 871 C91	102
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603 206 C1	222	603 561 C91	326	604 198 C1	259	604 872 C91	103
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603 229 C1	222	603 562 C91	319	604 320 C91	225	604 872 C91	171
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NEW AND DISPLACED PARTS LIST

NOTE: This list is prepared to assist distributor parts personnel in keeping their inventory records current.

The information on this sheet will not be covered in future revisions, so you may want to retain this copy. Future revisions will include new and displaced parts information for that revision only.

New and displaced parts listed below are new and displaced parts for applications shown on pages listed for this machine, not necessarily new and displaced for other applications for this machine or in the IH system.

The following is a list of new and displaced parts for the Model TD-15B Parts Catalog, Form PC-TD15B-1 released since PC-TD15B dated April, 1969.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
11	610 795 C91	--	124	670 681 C1	326 562 R1
12	678 080 C91	--	124	670 678 C91	341 113 R94
13	678 080 C91	--	125	625 348 C1	19 857 R1
14	678 080 C91	--	127	272 478 R91	336 050 R91
19	9 409 949	273 469	129	607 142 C94	607 142 C93
23	625 348 C1	19 857 R1	129	674 295 C1	264 723 R1
25	272 478 R91	336 050 R91	130	257 883 C91	603 957 C91
29	674 295 C1	264 723 R1	134	606 929 C1	333 773 R1
30	321 877 R91	391 928 R91	135	650 443 C92	606 928 C94
37	606 929 C1	333 773 R1	135	619 688 C1	--
39	650 443 C92	606 928 C91	137	627 084 C91	--
40	618 688 C1	--	140	674 295 C1	264 723 R1
99	624 552 C91	610 821 C91	161	1258 X	2A9 Y
99	1258 X	2A9 Y	164	1258 X	2A9 Y
104	624 552 C91	610 821 C91	164	624 363 C91	624 362 C91
106	453 465	273 913	165	624 361 C91	--
106	1 947 350	1 936 465	165	62 862 D	--
108	1 946 542	--	165	358 111 R92	--
108	1 916 272	--	165	263 514 R91	--
107	1 951 180	--	165	263 717 R91	--
108	1 873 796	--	165	338 065 R1	--
107	1 935 994	1 943 628	165	330 714 R11	--
107	453 465	125 947	165	327 189 R91	--
107	1 916 439	1 909 654	165	624 361 C91	--
107	1 943 225	132 903	167	62 862 D	--
107	1 946 143	1 915 334	167	1258 X	2A9 Y
107	1 965 623	1 956 416	167	624 363 C91	624 362 C91
107	1 965 625	1 930 629	169	624 361 C91	--
107	1 914 873	1 913 534	169	62 862 D	--
117	624 552 C91	610 821 C91	169	358 111 R92	--
121	670 811 C1	343 433 R2	169	263 514 R91	--
121	670 812 C1	670 308 C1	169	263 717 R91	--
121	670 805 C1	--	169	338 065 R1	--
124	626 874 R1	326 751 R1	169	330 714 R11	--
124	670 675 C1	670 571 C1	169	327 189 R91	--
124	670 677 C1	670 294 C1	169	624 361 C91	334 145 R91
124	670 725 C91	670 297 C92	169	624 363 C91	624 362 C91
124	670 293 C21	--	171	1258 X	2A9 Y

* - For ordering procedure for displaced part shown, refer to this catalog.

- Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.

NEW AND DISPLACED PARTS LIST

The following is a list of new and displaced parts for the Model TD-15B Parts Catalog,
 Form PC-TD15B-1 released since PC-TD15B dated April, 1969

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
174	1258 X	2A9 Y	223	627 711 C1	--
178	1258 X	2A9 Y	223	654 206 C1	--
180	1 916 439	1 909 654	234	9 409 923	--
180	453 465	273 913	234	319 615 R1	--
180	1 947 350	1 936 465	234	624 998 C91	--
180	1 955 894	1 943 628	235	628 021 C91	--
180	453 465	125 947	243	627 365 C1	--
181	1 946 542	--	243	627 366 C1	--
181	1 916 272	--	243	627 367 C1	--
181	1 951 180	--	244	627 364 C1	--
181	1 873 796	--	244	627 669 C1	--
181	9 421 425	453 290	244	627 667 C1	--
181	1 943 225	132 903	244	627 666 C1	--
181	1 946 143	1 915 334	244	627 668 C1	--
181	1 965 623	1 956 416	246	--	* 627 172 C92
181	1 965 625	1 930 629	246	--	* 627 173 C92
181	1 914 873	1 913 534	247	627 370 C1	--
181	453 465	1 961 573	247	627 366 C1	--
186	1 970 384	1 969 042	247	627 367 C1	--
190	650 382 C91	276 678 R91	248	627 364 C1	--
192	624 552 C91	610 821 C91	248	627 669 C1	--
193	59 658 D	3 405 H	248	627 667 C1	--
199	624 990 C92	--	248	627 666 C1	--
199	318 588 R1	--	248	627 668 C1	--
203	624 561 C1	--	249	627 369 C91	--
203	624 558 C1	--	249	--	* 627 171 C92
203	603 280 C1	--	250	--	* 627 174 C92
209	650 238 C1	609 954 C21	254	373 692 R1	324 110 R1
209	650 235 C1	616 237 C1	256	628 059 C91	--
209	624 875 C1	325 420 R1	262	650 197 C91	--
209	650 231 C1	612 582 C1	262	650 194 C91	--
209	650 234 C1	612 580 C91	265	624 455 C91	--
209	444 654	306 970 R1	265	624 452 C1	--
209	20 988 R1	--	265	338 260 R91	--
211	650 377 C1	--	276	330 693 R2	620 193 C1
211	650 376 C1	--	293	628 055 C91	--
211	612 575 C91	331 934 R11	293	628 056 C91	--
211	612 576 C1	331 935 R1	293	654 718 C1	--
216	703 367 C92	703 367 C91	296	654 706 C1	--
216	603 164 C11	603 104 C11	301	624 996 C91	--
223	654 180 C91	--	301	650 345 C91	--
223	627 710 C1	--	313	9 402 864	--
223	364 885 R1	--	313	606 158 C91	--
223	627 709 R1	--	313	650 144 C91	616 420 C11
223	627 708 C1	--	319	625 623 C91	--

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NEW AND DISPLACED PARTS LIST

The following is a list of new and displaced parts for the Model TD-15B Parts Catalog,
 Form PC-TD15B-1 released since PC-TD15B dated April, 1969.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
335	3 402 934 R1	619 730 C1			
351	650 226 C1	334 748 R11			
351	650 229 C2	334 133 R11			
351	650 192 C1	624 210 C1			
351	650 228 C1	--			
351	650 211 C1	609 746 C11			
354	See NOTE	--			
354	See NOTE	--			
361	650 344 C91	--			
374	624 552 C91	610 821 C91			
375	346 666 R91	324 365 R91			
390	999 677 R91	--			
398	650 382 C91	276 678 R91			
403	628 166 C91	628 013 C94			
403	650 429 C91	650 289 C91			
406	See NOTE	--			
409	650 141 C1	2 752 940 R1			
413	320 843 R1	620 843 R1			
414	626 575 C91	--			
416	623 327 C91	--			
423	626 577 C91	--			
431	608 372 C91	608 370 C93			
431	608 370 C91	608 372 C91			
479	383 878 R1	301 230 R1			
479	602 014 C1	342 018 R1			
479	602 881 C1	335 602 R11			
479	347 070 R1	298 382 R1			
487	342 775 R91	--			
494	574 018 R1	343 824 R1			
508	614 238 C91	614 239 C91			

NOTE: All parts listed on these pages are new for this application.

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