

MICHIGAN

PARTS MANUAL

No. 2447

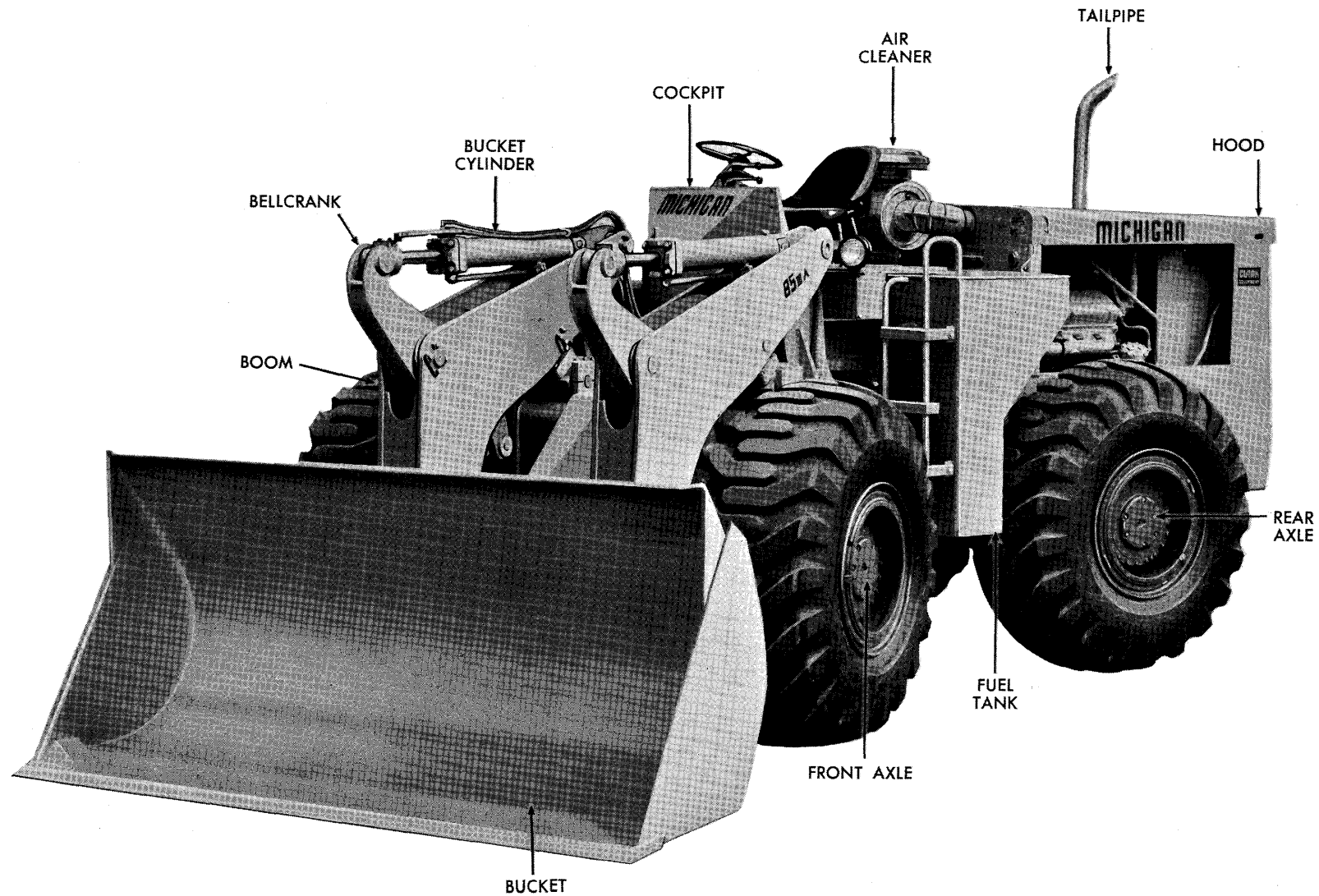
Model 85 IIIA Articulated Tractor Shovel

Information contained herein pertains to Machine Serial
Numbers listed below:

85 III A G.M. – 401A103 and After

Record Your Machine
Serial Number Here

CLARK EQUIPMENT COMPANY
Construction Machinery Division



MODEL 85 III A TRACTOR SHOVEL

TS-8998

WHEN ORDERING REPAIR PARTS

To assure the best results and to maintain the original quality built into the machine it is important that only Clark-Approved Parts be used when new parts are required. **IMPORTANT: Always furnish the distributor with the machine serial number when ordering parts.**

Order through your nearest Clark Distributor, for THE MICHIGAN LINE.
Always give serial number of machine.
Furnish: Quantity, Part Number and Description.

WHEN PARTS ARE RECEIVED

Check immediately for quantity, correctness and condition.
Advise your Michigan Distributor of any error.
Claims for damages, during shipment, should be made to the carrier immediately.

INDEX MODEL 85 III A

A	Page		Page
Accelerator Pedal and Linkage.....	15	Brake Lever Assembly, Parking.....	31
Accelerator Rods	15	Brake Pedals	51
Accessories, Engine	1	Brake Valve, Air	51
Air Brake Pedals	51	Brake Valve and Controls.....	51
Air Brake Valve.....	51	Breather, Torque Converter Air.....	37
Air Breather Check Valve, Torque Converter	37	Bucket Assembly Data	10
Air Breather, Torque Converter.....	37	Bucket and Boom Hydraulic Pump.....	63
Air Cleaner Assembly	12	Bucket and Boom Hydraulic System	67, 69
Air Cleaner Connections	12	Bucket Cutting Edges.....	10
Air Cleaner, Element.....	12	Bucket Cylinder Assembly	64
Air Lines, Brake	53	Bucket Leveler	9
Air Pressure Gauge	79	Bucket Leveler Piping.....	9
Air Pressure Sender Unit	53	Bucket Leveler Valve	11
Air Reservoir	53	Bucket Pushrods.....	9
Air Valve Assembly, Bucket Leveler	11	Bucket, Seat	77
Alternator	1	Bucket Seat Assembly	77
Alternator Belt.....	1	Button, Starter	79
Ammeter	79		
Axle Assembly — Front Drive	41	C	
Axle Assembly — Rear Drive.....	45	Cab Assembly	83, 85
		Cab Head Lamp	83, 85
B		Cab Wiring Harness	83, 85
Back Rest Cushion	77	Cables, Battery	86
Back-Up Lamp Assembly	17	Cap, Fuel Tank	18
Battery, Battery Hold Down and Cables	80	Cap, Oil Reservoir	19
Battery Box	80	Cap, Radiator	13
Battery Cables	86	Cap, Steering Gear Filler	55
Battery Hold Down	80	Case, Transmission.....	23
Bearing Assembly, Mid Mount	38	Cartridge Kit, Transmission and Converter Filter	37
Bellcranks, Boom and Push Rod	9	Charging Pump, Converter	33
Belts	1	Cleaner, Air	12
Boom	9	Clips, Wiring, Pipe and Hose	87
Boom Cylinder Assembly	65	Clutch Group, Forward, Reverse and Low.....	26
Brake Air Lines	53	Clutch Group — High.....	27
Brake Assembly — Front and Rear	49	Cockpit	76
Brake Assembly, Parking.....	29	Cockpit Wiring Harness	86
Brake Controls, Parking.....	30	Column Assembly, Steering.....	55

	Page
Connections, Muffler, Tailpipe and Air Cleaner	12
Connections, Radiator	13
Control Valve Assembly — Transmission	28
Control Valve Assembly — Main	73, 75
Converter Assembly, Torque	33
Converter Charging Pump	33
Converter Pressure Regulating Valve	33
Converter to Transmission Prop Shaft	39
Cushion, Back Rest	77
Cushion, Seat	77
Cutting Edges, Main	10
Cutting Edges, Side	10
Cylinder Assembly, Boom	65
Cylinder Assembly, Bucket	64
Cylinder Assembly, Steering	59
D	
Dash Lamp	79
Decals and Name Plates	86
De-Clutch Valve, Transmission	28
Diagram, Cockpit Wiring	92
Diagram, Engine Wiring	93
Differential and Carrier Assembly — Front Drive	43
Differential and Carrier Assembly — Rear Drive	47
Dipstick, Fuel Tank	18
Dipstick, Oil Reservoir	19
Drag Link Assembly	57
Drawbar Pin	5
E	
Element, Air Cleaner	12
Element, Hydraulic Reservoir Filter	1, 19
Element, Lighter	79
Engine and Accessories	1
Engine Filter Elements	1
Engine Hourmeter	3
Engine Oil Pressure Gauge	79
Engine Support Parts	3
Engine Temperature Gauge	79
F	
Fan	1
Fan Belt	1
Filler Cap, Oil Reservoir	19
Filler Cap, Steering Gear	55
Filter Assembly, Hydraulic Reservoir Oil	19
Filter Assembly, Transmission and Converter Oil	37
Filter Element, Hydraulic Reservoir Oil	19
Filter Elements, Engine	1
Forward, Reverse and Low Clutch Group	26
Foot Switch, Horn	76
Foot Valve, Brake	51
Frame, Front and Rear	5
Front Drive Axle Assembly	41
Front Drive Differential and Carrier Assembly	43
Front Drive Planet Carrier Assembly	48

	Page
Fuel Lines	18
Fuel Tank	18
Fuel Tank Cap	18
Fuel Tank Dipstick	18
Fuel Tank Inspection Plate	18
Fuel Tank Strainer	18
Fuse — .75 Amp	79
Fuse — 20 Amp	79
Fuse, Lighter	79
G	
Gauge, Air Pressure	79
Gauge, Engine Oil Pressure	79
Gauge, Engine Temperature	79
Gauge, Torque Converter Temperature	79
Gear Assembly, Steering	55
Glass Pattern Kit	85
Grille	17
Group, Seat and Support	77
Group, Steering Gear Mounting	56
H	
Hand Brake Control Lever	31
Hand Rails	18, 19
Harness, Cab Wiring	83
Harness, Cockpit Wiring	86
Harness, Instrument Panel Wiring	79, 86
Harness, Main Wiring	86
Harness, Tail Light Wiring	86
Head Lamp Assembly — Cab	79
Head Lamp Assembly — Standard	5
High Clutch Group	27
Hood, Hand Rail, Cover and Grille	17
Horn and Foot Switch	76
Hourmeter, Engine	3
Hydraulic Oil Reservoir	19
Hydraulic Pump — Bucket and Boom	63
Hydraulic Pump — Steering	62
Hydraulic Reservoir Filter Assembly	1, 19
Hydraulic System — Bucket and Boom	67, 69
Hydraulic System — Steering	61
Hydraulic System — Transmission and Torque Converter	37
I	
Ignition Switch	79
Inspection Plate, Fuel Tank	18
Inspection Plate, Oil Reservoir	19
Instrument Panel Assembly	79
Instrument Wiring Harness	79, 86
K	
Kit, Brake Lining — Parking Brake	29
Kit, Glass Pattern	85
Kit, Transmission and Converter Oil Filter Cartridge	37
L	
Lamp Assembly, Back-Up	17

	Page		Page
Lamp Assembly, Cab Head	83	Pump, Steering Hydraulic	62
Lamp Assembly, Head — Standard	5		
Lamp Assembly, Tail and Stop	5	Q	
Lamp, Dash	79	Quadrant, Shift	21
Levers, Transmission Control	21		
Levers, Valve Control	71	R	
Light Switch	79	Radiator Assembly	13
Lighter Element	79	Radiator Cap	13
Lighter Fuse	79	Radiator and Connections	13
Lighter Receptacle	79	Rail, Hand	18, 19
Lines, Fuel	18	Rear Drive Axle Assembly	45
Link, Drag	57	Rear Drive Differential and Carrier Assembly	47
Linkage, Accelerator Pedal	15	Rear Frame	5
Linkage, Transmission Control Levers	21	Regulator, Voltage	3
Linkage, Valve Control Levers	71	Reservoir, Air	53
Lubrication Instruction Plate	86	Reservoir, Hydraulic Oil	19
		Rods, Accelerator	15
M		Rods, Shift	21
Main Control Valve	73, 75	Rods, Valve Control	71
Main Cutting Edges	10		
Main Wiring Harness	86	S	
Michigan Name Plate	17	Seat Assembly, Bucket	77
Mid-Mount Bearing Assembly	38	Seat Bucket	77
Mounts, Engine	3	Seat Cushion	77
Mounts, Transmission	5	Seat Support	77
Muffler, Tailpipe and Air Cleaner Connections	12	Seat and Support Group	77
		Sender Unit, Air Pressure	53
N		Sender Unit, Engine Oil Pressure	3
Neutral Start Switch	28	Sender Unit, Engine Temperature	3
		Sender Unit, Torque Converter Temperature	37
O		Shaft Assemblies, Propeller	39
Oil Reservoir Cap	19	Shift Levers	21
Oil Reservoir Dipstick	19	Shift Quadrant	21
Oil Reservoir, Hydraulic	19	Shift Quadrant Plate	21
Oil Reservoir Inspection Plate	19	Shift Rods	21
		Side Cutting Edges	10
P		Starter	1
Parking Brake Assembly	29	Starter Button	79
Parking Brake Controls	30	Steering Column Assembly	55
Parking Brake Lever Assembly	31	Steering Cylinder Assembly	59
Pedal, Accelerator	15	Steering Gear Assembly	55
Pedals, Brake	51	Steering Gear Mounting Group	56
Pitman Arm, Steering Gear	55	Steering Hydraulic System	61
Planet Carrier Assembly — Front and Rear	48	Steering Pressure Relief Valve Assembly	58
Plate, Lubrication Instruction	86	Steering System Hydraulic Pump	62
Plate, Michigan Name	17	Steering Wheel	55
Plate, Oil Reservoir Inspection	19	Stop Lamp Assembly	5
Plate, Patent	86	Support, Seat	77
Plate, Shift Quadrant	21	Supports, Engine	3
Plates, Cockpit Inspection	17	Switch, Horn Foot	76
Pressure Regulating Valve Assembly	33	Switch, Ignition	79
Pressure Relief Valve — Steering System	58	Switch, Light	79
Propeller Shaft Assemblies	39	Switch, Neutral Start	28
Pushrods, Bellcrank to Bucket	9		
Pump, Bucket and Boom Hydraulic	63	T	
Pump, Converter Charging	33	Tail Light Wiring Harness	86

	Page		Page
Tailpipe	12	V	
Tailpipe Connections	12	Valve Assembly, Air Brake	51
Tail and Stop Lamp Assembly	5	Valve Assembly, Control	73, 75
Tank, Fuel	18	Valve Assembly, Foot	51
Tank, Oil Reservoir	19	Valve Assembly, Pressure Regulating	33
Tire Data	81	Valve Assembly, Steering Gear	55
Torque Converter Air Breather	37	Valve Assembly, Steering Pressure Relief	58
Torque Converter Air Breather Check Valve	37	Valve Assembly, Transmission De-Clutch	28
Torque Converter Assembly	33, 35	Valve Assembly, Transmission Control	28
Torque Converter Temperature Gauge	79	Valve Control Levers and Linkage	71
Transmission Assembly	23	Valve, Torque Converter Air Breather Check	37
Transmission Case	23	Voltage Regulator	3
Transmission Control Valve Assembly	28		
Transmission Control Levers and Linkage	21	W	
Transmission and Converter Oil Filter	37	Water Pump Belt	1
Transmission De-Clutch Valve Assembly	28	Wheel, Steering	55
Transmission Mounts	5	Wheel and Tire Data	81
Transmission to Front Axle Prop Shaft	39	Wiring	86
Transmission to Rear Axle Prop Shaft	39	Wiring Diagram — Cockpit	88
Transmission and Torque Converter Hydraulic System	37	Wiring Diagram — Engine	89
		Wiring Harness, Cab	83, 86
U		Wiring Harness, Cockpit	86
Unit, Air Pressure Sender	53	Wiring Harness, Instrument Panel	83, 86
Unit, Engine Oil Pressure Sender	3	Wiring Harness, Main	86
Unit, Engine Temperature Sender	3	Wiring Harness, Tail Light	86
Unit, Torque Converter Temperature Sender	37	Wiring, Pipe and Hose Clips	87

NOTES

ENGINE AND ACCESSORIES — G.M.

All orders for engine assembly or components thereof should be placed with the nearest G.M. Diesel Distributor. To obtain proper items, it is necessary to provide your engine model, serial number and necessary group type number for the equipment required. This data is stamped on the options and accessories plate on the rocker cover of engine.

ENGINE ACCESSORIES

Item No.	Part No.	Description	No. Req'd.
1	946132	*ALTERNATOR (Delco #1117774)	1
2	539824	*STARTER ASSY (Delco #1113873).....	1
3	556703	*VOLTAGE REGULATOR (Delco #9000591)	1
4	-----	*AIR COMPRESSOR (G.M. #5131513)	1
5	-----	*OIL FILTER ASSY — FULL FLOW (G.M. #5134392)	1
6	-----	*FAN, Radiator (G.M. #5171229)	1

*NOTE: The above listed accessory items are serviced by the engine manufacturer. Specifications on these items are subject to change without notice. It is, therefore, recommended that complete model, specifications and serial number of the engine be provided to your G.M. Engine Distributor when ordering these parts.

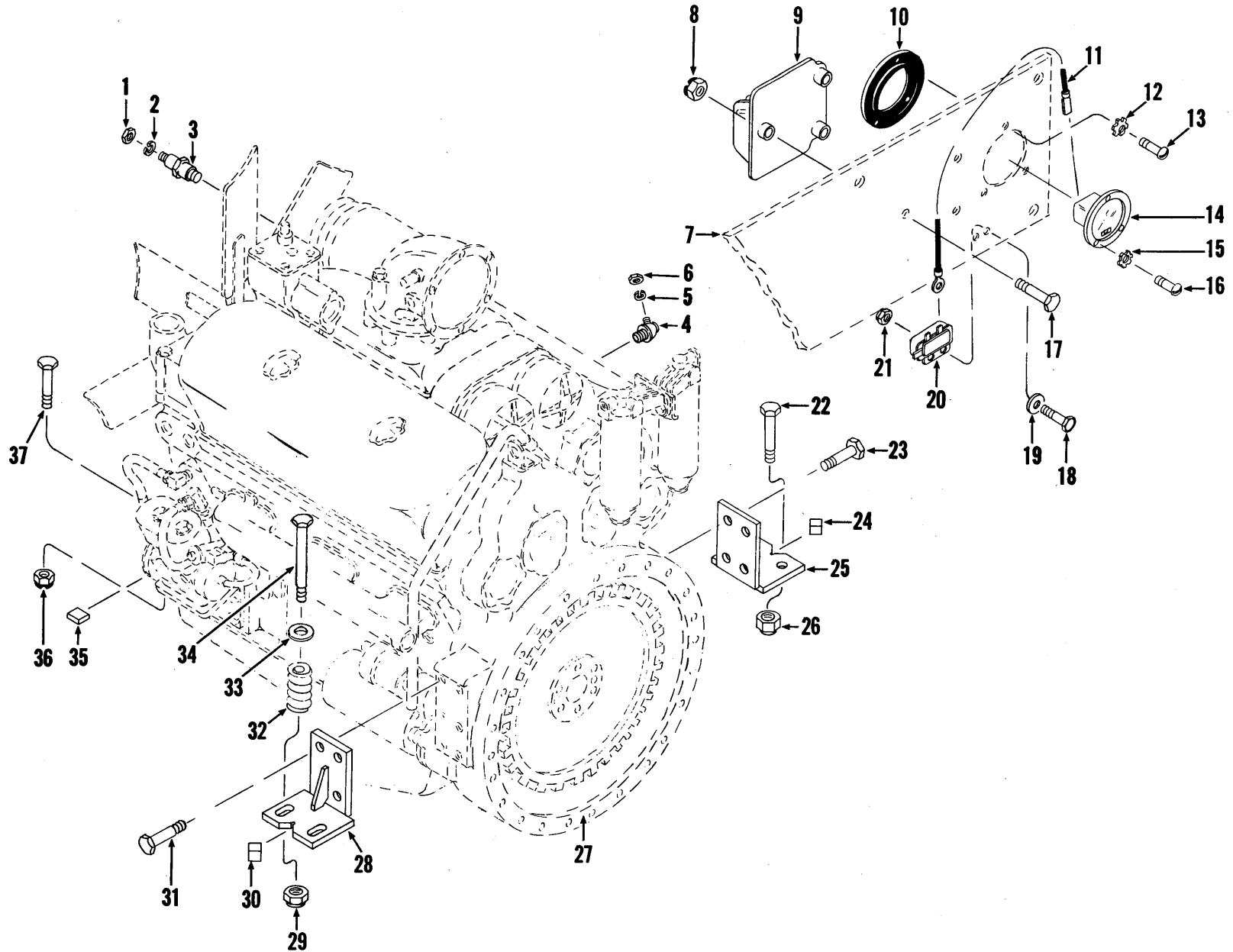
ALTERNATOR, WATER PUMP, AND FAN BELTS

Item No.	Part No.	Description	No. Req'd.
7	557527	BELT, Alternator Drive	1
8	947952	BELT, Water Pump	1
9	947951	BELT, Fan Drive	1

REPLACEMENT FILTERS AND ELEMENTS

Item No.	Part No.	Description	No. Req'd.
10	946897	CARTRIDGE, Air Cleaner	1
11	947953	ELEMENT, Fuel Filter — Primary	1
12	947575	ELEMENT, Fuel Filter — Secondary	1
13	215502	ELEMENT, Engine Oil Filter	1
14	1532445	FILTER, Hydraulic Oil Reservoir — Suction	1
15	945989	CARTRIDGE KIT, Hydraulic Oil Reservoir — Pressure.....	1
16	215502	CARTRIDGE KIT, Transmission & Torque Converter Hydraulic System.....	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



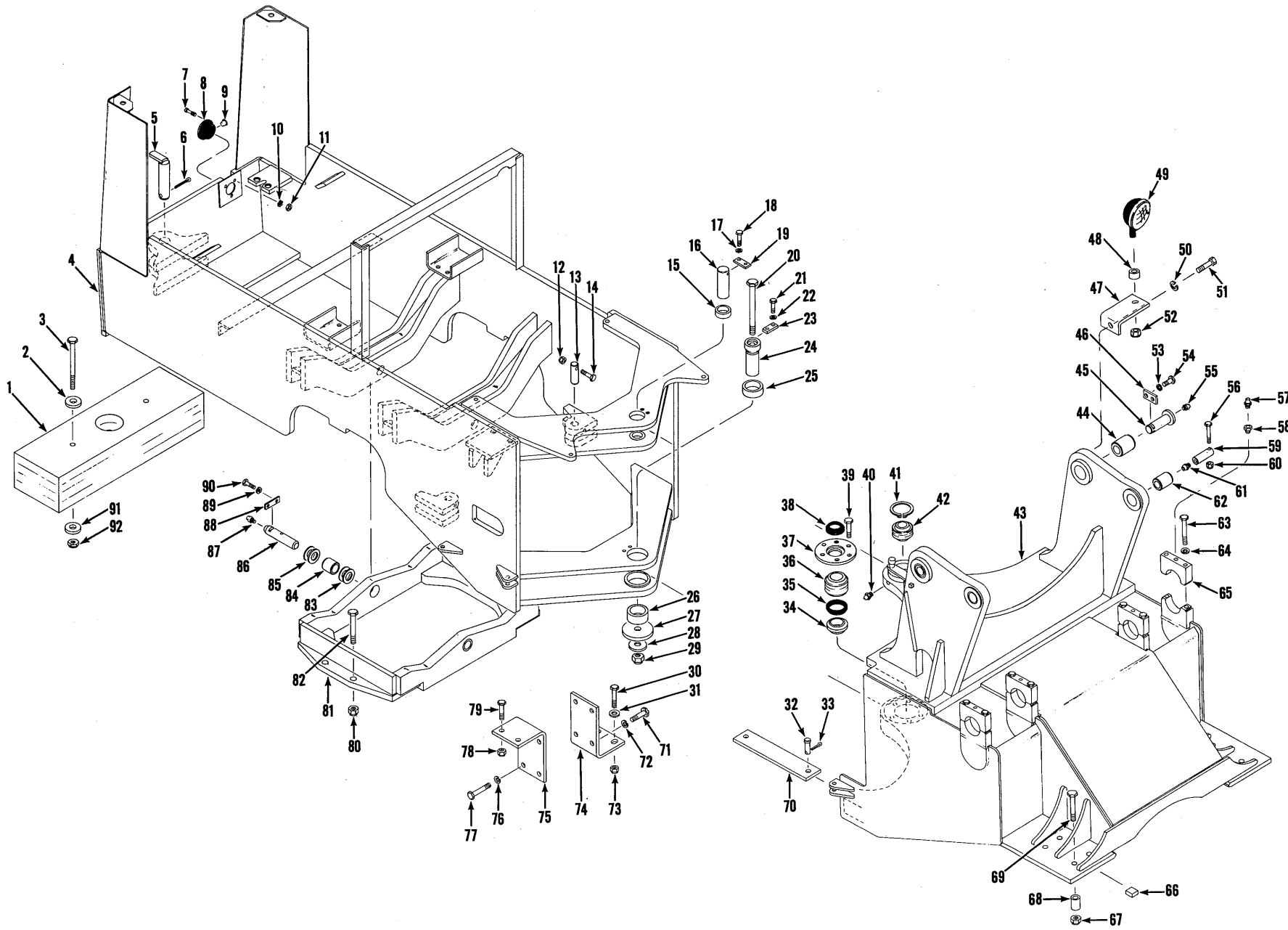
ENGINE SUPPORT AND AUXILIARY PARTS

TS-9006-P

ENGINE AUXILIARY AND SUPPORT PARTS

Item No.	Part No.	Description	No. Req'd.
1	14D-10	NUT, Sender Unit	1
2	14E-10	LKWSHR, Sender Unit	1
3	551323	SENDER, Engine Temp.	1
4	1618574	SENDER, Engine Oil Press.	1
5	14E-10	LKWSHR, Sender Unit	1
6	14D-10	NUT, Sender Unit	1
7	-----	PANEL, Hourmeter Mounting — See Index	1
8	18D-04	NUT, Regulator Mounting	3
9	556703	REGULATOR, Voltage	1
10	551251	DAMPENER, Hourmeter Vibration	1
11	558960	WIRE, Hourmeter to Relay	1
12	12E-6	LKWSHR, Dampener Mtg.	3
13	85G-608	SCREW, Dampener Mtg.	3
14	1508624	HOURMETER (Inc. 15, 16)	1
15	12E-6	LKWSHR, Hourmeter Mounting	3
16	85G-608	SCREW, Hourmeter Mounting	3
17	24C-420	BOLT, Regulator Mounting	3
18	24C-412	BOLT, Relay Mounting	2
19	619018	WASHER, Relay Mounting	2
20	1526006	RELAY, Hourmeter	1
21	18D-04	NUT, Relay Mounting	2
22	24C-1236	BOLT, Mount to Frame	2
23	8C-824	BOLT, Mount to Engine	4
24	608241	RECT. FLAT (Welded to Frame)	1
25	1502993	MOUNT, Engine to Frame	1
26	18D-12	NUT, Mount to Frame	2
27	-----	ENGINE — See G.M. Engine Parts Manual	1
28	1502994	MOUNT, Engine to Frame	1
29	18D-12	NUT, Mount to Frame	2
30	608241	RECT. FLAT (Welded to Frame)	1
31	8C-824	BOLT, Mount to Engine	4
32	570419	SPRING, Mount to Frame — R.H. Only	2
33	616809	WASHER, Mount to Frame — R.H. Only	2
34	24C-1236	BOLT, Mount to Frame	2
35	604185	RECT. FLAT (Welded to Frame)	2
36	18D-10	NUT, Engine to Frame — Rear	2
37	24C-1036	BOLT, Engine to Frame — Rear	2

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



FRONT AND REAR FRAME AND CRADLE

TS-9031-P

[4]

PM 2447

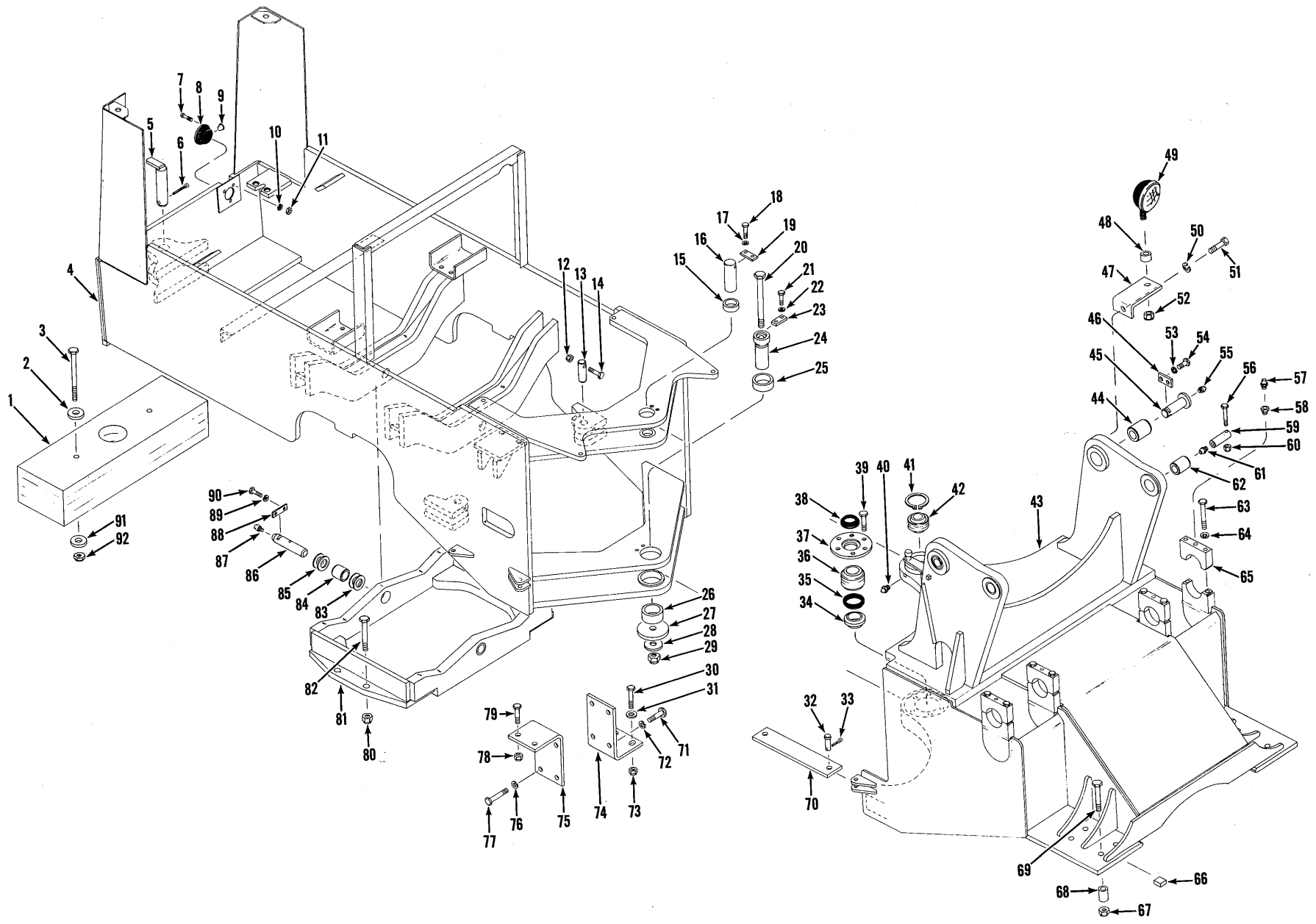
FRONT AND REAR FRAME AND CRADLE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1502915	COUNTERWEIGHT	1	26	572818	BUSHING, Lower Hinge — Lower	1
2	1506753	WASHER, Counterweight	2	27	1522429	PLATE, Bushing Retaining	1
3	24C-12184	BOLT, Counterweight	2	28	1522428	WASHER, Nut to Plate	1
4	1531766	FRAME, Rear (Inc. 15, 25, 26)	1	29	537015	NUT, Lower Hinge Pin	1
5	1506818	PIN, Drawbar	1	30	24C-1248	BOLT, Bracket to Frame	2
6	1F-1252	COTTER, Drawbar Pin	1	31	585972	WASHER, Bracket to Frame — L.H. Side Only	2
7	86G-1012	SCREW, Lamp to Frame	6	32	1302700	PIN, Safety Link	2
8	560967	LAMP, Stop & Tail (Inc. 8A, 8B)	2	33	1F-424	COTTER, Safety Link Pin	2
8A	1103680	†LENS, Lamp	2	34	1531573	SPACER, Hinge Bushing	1
8B	946064	†BULB, Lamp	2	35	1530842	SEAL, Lower Hinge — Lower ..	1
9	1010736	PLUG, Tail Lamp — For R.H. Side Only	1	36	1301478	BUSHING, Hinge Pin — Lower	1
10	17E-10	LKWSHR, Lamp to Frame	6	37	1507655	CAP, Bushing Retaining	1
11	14D-10	NUT, Lamp to Frame	6	38	1530843	SEAL, Lower Hinge — Upper ..	1
12	18D-08	NUT, Pin Retaining	4	39	24C-1032	BOLT, Cap to Frame	6
13	1506939	PIN, Steer Cyl. to Frame	4	40	10H-25	FITTING, Hinge Grease	2
14	24C-872	BOLT, Pin Retaining	4	41	710943	RING, Bushing Retaining	1
15	1522035	BUSHING, Upper Hinge	2	42	669896	BUSHING, Hinge Pin Upper ..	1
16	1530845	PIN, Upper Hinge	1	43	1504949	FRAME FRONT (Inc. 44, 62, 63, 64, 65)	1
17	4E-08	LKWSHR, Retainer	2	43A	1530949	†BUSHING, Boom Cyl. to Frame	4
18	24C-820	BOLT, Retainer	2	44	1531346	BUSHING, Boom Pivot	2
19	1532917	RETAINER, Hinge Pin	1	45	1504663	PIN, Boom to Frame	2
20	24C-20168	BOLT, Lower Hinge Pin	1	46	560594	LOCKPLATE, Boom Pin	4
21	24C-820	BOLT, Retainer	2	47	1530931	BRACKET, Head Light Mtg.	2
22	4E-08	LKWSHR, Retainer	2	48	652448	SPACER, Head Light to Bracket	2
23	1532917	RETAINER, Hinge Pin	1	49	548088	LAMP, Head (Inc. 49A, 49B) ..	2
24	1507654	PIN, Lower Hinge	1				
25	1531727	BUSHING, Lower Hinge — Upper	1				

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

[6]



FRONT AND REAR FRAME AND CRADLE

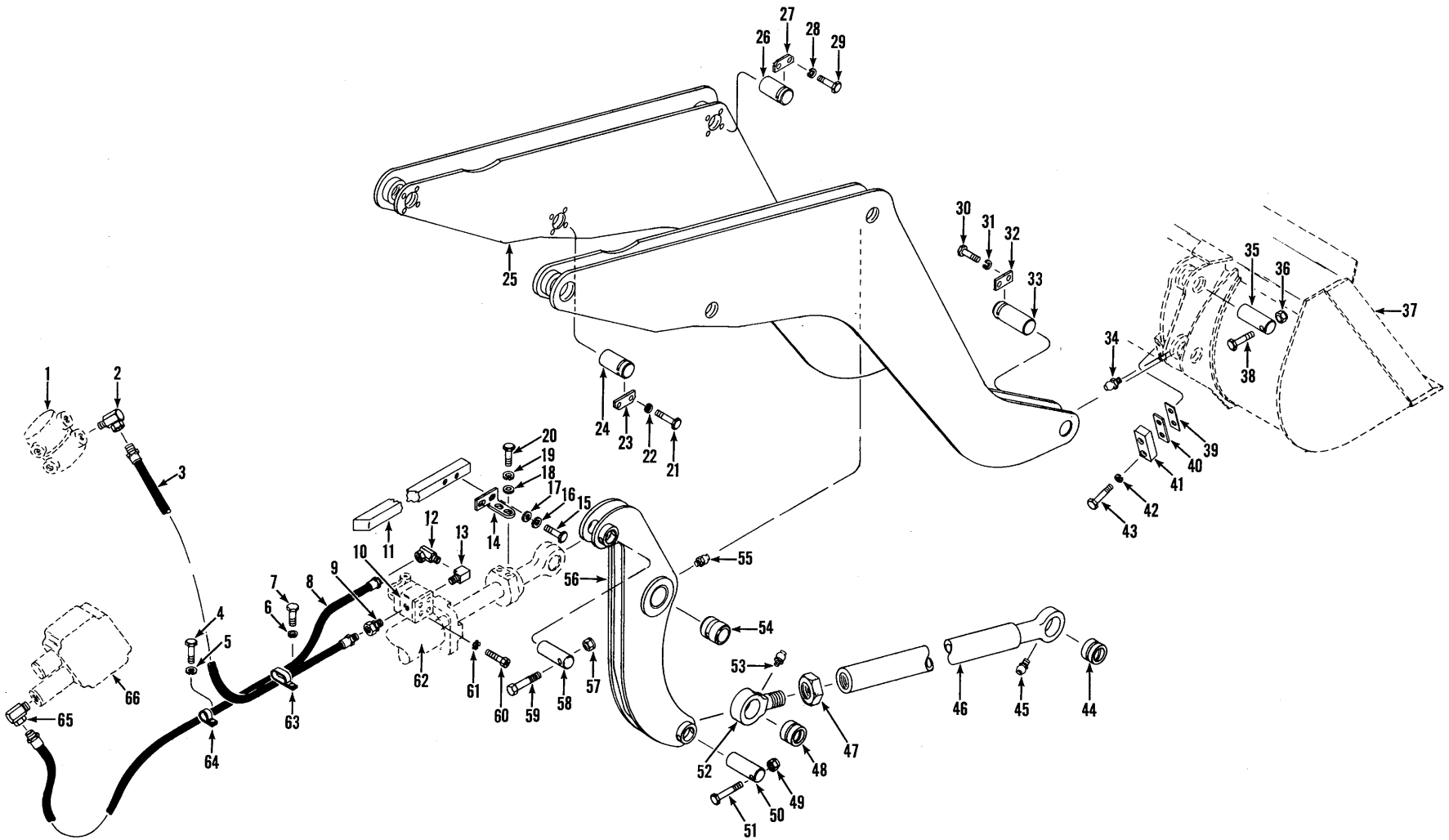
TS-9031-P

FRONT AND REAR FRAME AND CRADLE (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
49A	944872	†RETAINER	2	73	68D-12	NUT, Bracket to Frame	2
49B	551244	†SEALED UNIT, Head Lamp	2	74	1531787	BRACKET, Trans. Mtg. — L.H.	1
50	4E-08	LKWSHR, Bracket to Frame ..	2	75	1531788	BRACKET, Trans. Mtg. — R.H.	1
51	24C-820	BOLT, Bracket to Frame	2	76	4E-12	LKWSHR, Trans. to Bracket ..	6
52	18D-08	NUT, Lamp to Bracket	2	77	23C-1232	BOLT, Trans. to Bracket	6
53	4E-10	LKWSHR, Lockplate to Frame	8	78	68D-12	NUT, Bracket to Frame	2
54	24C-1024	BOLT, Lockplate to Frame	8	79	24C-1248	BOLT, Bracket to Frame	2
55	10H-25	FITTING, Boom Pin Grease	2	80	68D-16	NUT, Axle Mounting	8
56	24C-880	BOLT, Pin Retaining	2	81	1531775	CRADLE ASSY (Inc. 84)	1
57	10H-3	FITTING, Boom Cylinder Pivot Grease	2	82	24C-1672	BOLT, Axle Mounting	8
58	1531650	BOLT, Tapped	2	83		WASHER, Cradle Shim	
59	568649	PIN, Bucket Cylinder	2	83A	552146	‡1/16"	—
60	18D-08	NUT, Pin Retaining	2	83B	552147	‡1/8"	—
61	10H-25	FITTING, Pin Grease	2	84	1521804	BUSHING, Cradle	2
62	1531345	BUSHING, Bucket Cylinder to Frame	2	85		WASHER, Cradle Shim	
63	24C-1280	BOLT, Anchor Cap	8	85A	552146	‡1/16"	—
64	4E-12	LKWSHR, Anchor Cap	8	85B	552147	‡1/8"	—
65	1530953	CAP, Boom Cylinder Anchor	4	86	1531783	PIN, Cradle to Frame	2
66	675316	RECTANGULAR FLAT (Welded to Frame)	4	87	11H-15	FITTING, Cradle Pin Grease ..	2
67	68D-16	NUT, Axle Mounting	8	88	568259	LOCKPLATE, Pin Retaining	2
68	574031	SPACER, Axle Mounting	8	89	4E-08	LKWSHR, Lockplate	4
69	24C-16152	BOLT, Axle Mounting	8	90	24C-820	BOLT, Lockplate	4
70	1531954	LINK, Safety	1	91	1506753	WASHER, Counter Weight	2
71	23C-1236	BOLT, Parking Brake Brk. & Trans. to Brk.	2	92	18D-12	NUT, Counterweight	2
72	4E-12	LKWSHR, Parking Brake Brk. & Trans. to Brk.	2				

†Not Illustrated
‡As Required

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BOOM, BELLCRANKS, PUSHRODS, BUCKET LEVELER AND PIPING

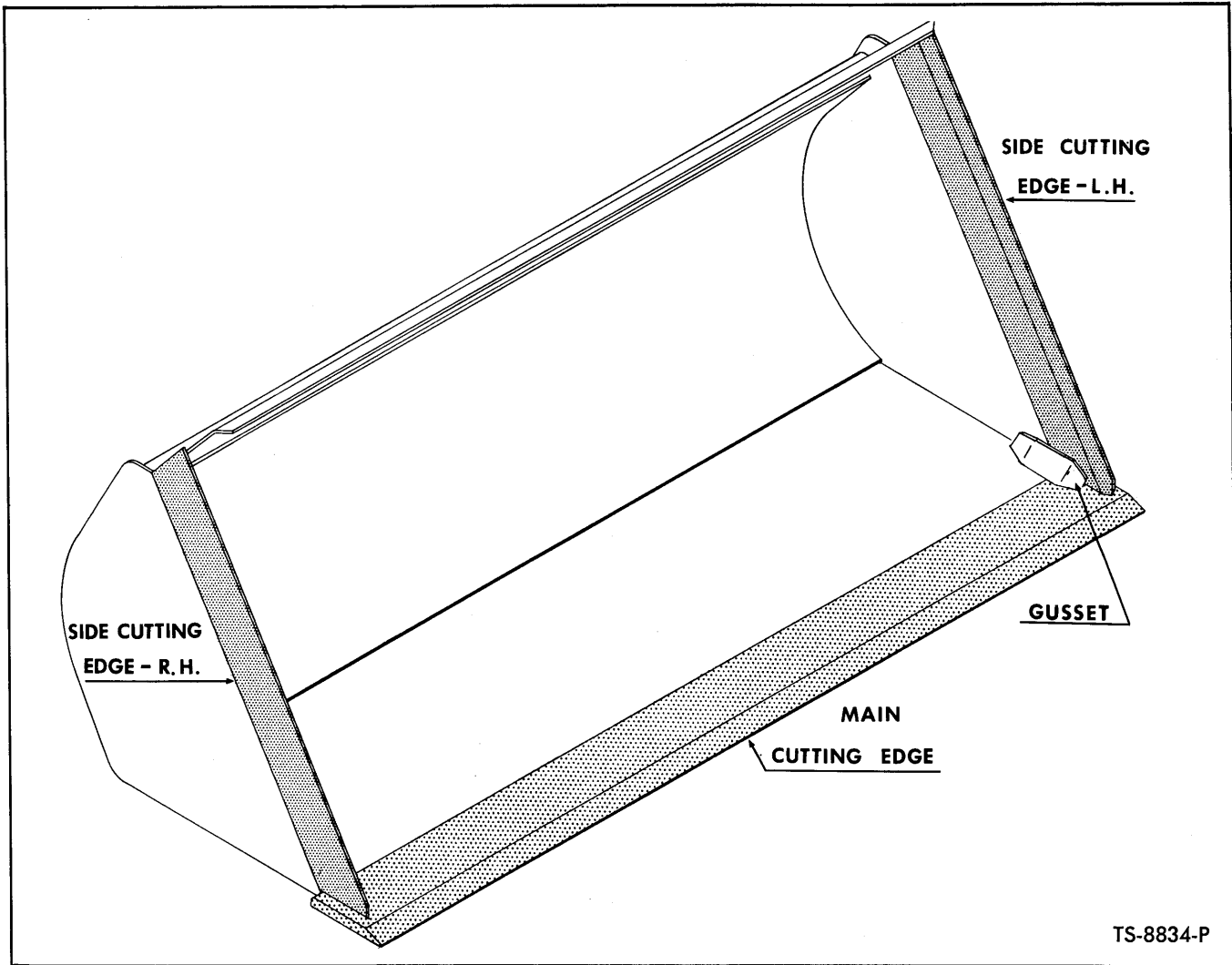
TS-9073-P

BOOM, BELLCRANKS, PUSHRODS, BUCKET LEVELER AND PIPING

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	BRAKE FOOT VALVE — See Index	1	35	1530441	PIN, Pushrod to Bucket	2
2	31F-2	ELBOW, Hose to Foot Valve ..	1	36	18D-08	NUT, Pin Retaining	2
3	1502576	HOSE, Foot Valve to Air Valve	1	37	-----	BUCKET ASSY — See Index ..	1
4	24C-612	BOLT, Clip Attaching	5	37A	525805	†BUSHING, Bucket	4
5	4E-06	LKWSHR, Clip Attaching	5	38	24C-876	BOLT, Pin Retaining	2
6	4E-06	LKWSHR, Clip Attaching	4	39	1503591	‡SPACER, Bucket Stop (1/16") ..	—
7	24C-612	BOLT, Clip Attaching	4	40	1503592	‡SPACER, Bucket Stop (1/8") ..	—
8	1502576	HOSE, Control Valve to Air Valve	1	41	1503593	STOP, Bucket	2
9	36F-2	ADAPTER UNION, Hose to Air Valve	1	42	4E-06	LKWSHR, Bucket Stop	4
10	-----	AIR VALVE — See Index	1	43	24C-632	BOLT, Bucket Stop	4
11	1528637	CAM, Bucket Leveler	1	44	566790	BUSHING, Pushrod	2
12	31F-2	ADAPTER, Hose to Elbow	1	45	10H-25	FITTING, Pushrod Grease	2
13	29F-1	ELBOW, Adapter to Valve	1	46	1530438	PUSHROD — (Inc. 44)	2
14	1528638	BRACKET, Leveler Cam	1	47	569963	NUT, Jam	2
15	24C-616	BOLT, Cam to Bracket	2	48	566790	BUSHING, Pushrod Eye	2
16	4E-06	LKWSHR, Cam to Bracket	2	49	570131	EYE, Pushrod Adjusting (Inc. 48)	2
17	619021	WASHER, Cam to Bracket	2	50	18D-08	NUT, Pin Retaining	2
18	619021	WASHER, Bracket to Cylinder ..	2	51	1530441	PIN, Pushrod to Bellcrank	2
19	4E-06	LKWSHR, Bracket to Cylinder ..	2	52	24C-876	BOLT, Pin Retaining	2
20	24C-616	BOLT, Bracket to Cylinder	2	53	10H-25	FITTING, Pushrod Eye Grease ..	2
21	24C-1024	BOLT, Lockplate to Boom	8	54	1506938	BUSHING, Bellcrank	2
22	4E-10	LKWSHR, Lockplate to Boom	8	55	10H-25	FITTING, Bellcrank Grease ..	2
23	560594	LOCKPLATE, Pin Retaining	4	56	1530450	BELLCRANK (Inc. 54)	2
24	1532552	PIN, Boom Cylinder to Boom ..	2	57	18D-08	NUT, Pin Retaining	2
25	1530636	BOOM	1	58	1530442	PIN, Bucket Cylinder to Bellcrank	2
26	1530623	PIN, Bellcrank to Boom	2	59	24C-876	BOLT, Pin Retaining	2
27	588292	LOCKPLATE, Pin Retaining	4	60	86G-1010	SCREW, Air Valve Mtg.	4
28	4E-10	LKWSHR, Lockplate to Boom	8	61	12E-10	LKWSHR, Air Valve Mtg.	4
29	24C-1024	BOLT, Lockplate to Boom	8	62	-----	BUCKET CYLINDER — See Index	2
30	24C-820	BOLT, Lockplate to Boom	8	63	31H-42	CLIP, Hose	4
31	4E-08	LKWSHR, Lockplate to Boom	8	64	30H-46	CLIP, Hose	6
32	568259	LOCKPLATE, Pin Retaining	4	65	31F-2	ELBOW, Hose to Control Valve	1
33	1530621	PIN, Bucket to Boom	2	66	-----	CONTROL VALVE ASSY — See Index	1
34	10H-25	FITTING, Bucket Grease	2				

†Not Illustrated
‡As Required

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

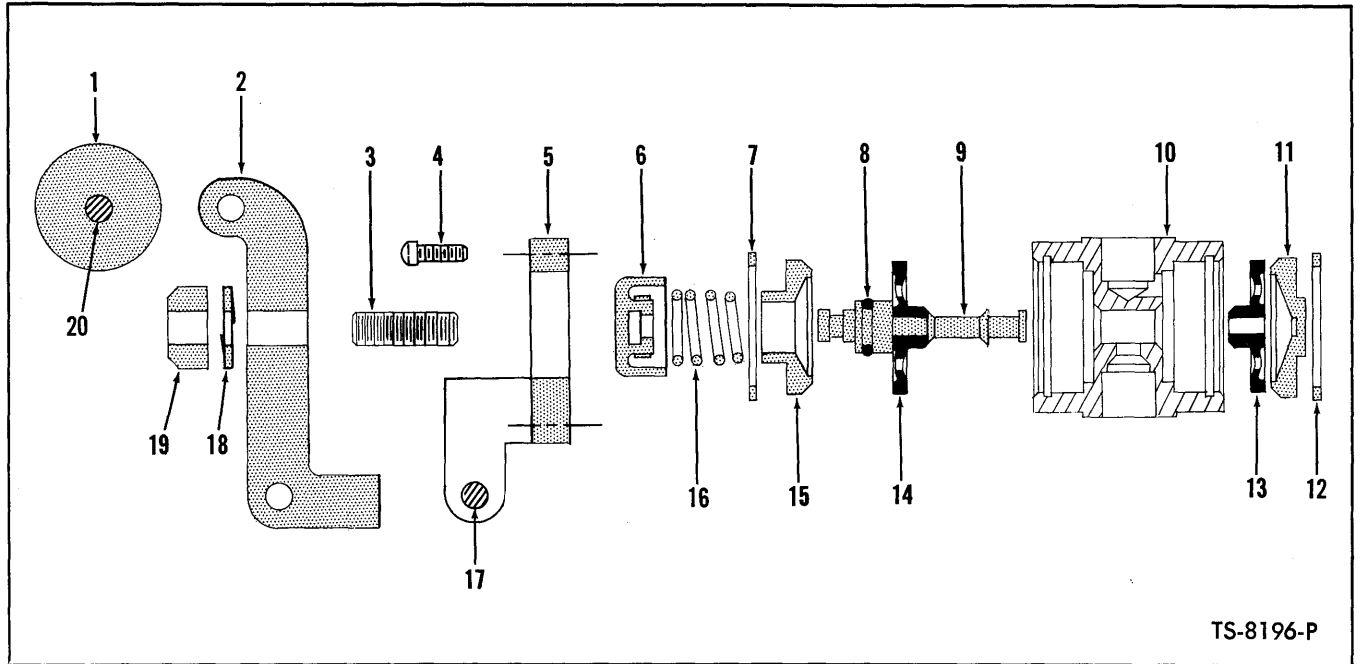


TS-8834-P

BUCKET ASSEMBLY DATA

BUCKET				MAIN CUTTING EDGE			SIDE CUTTING EDGES			CORNER GUSSET 2 Req'd.
ITEM #	S.A.E. HEAPED CAPACITY CU. YD.	WIDTH	PART NO.	PART NO.	SIZE	L.H. PART NO.	R.H. PART NO.	SIZE	PART NO.	
1	3	114 ³ / ₄ "	1503047	1530739	1 ³ / ₈ " x 10" x 114 ³ / ₄ "	1508483	1508484	1 ¹ / ₄ " x 9" x 48 ³ / ₈ "	1536086	
2	3 ¹ / ₂	114 ⁷ / ₈ "	1503141	588251	1 ³ / ₈ " x 10" x 114 ³ / ₄ "	1508493	1508494	1 ¹ / ₄ " x 9" x 51 ³ / ₈ "	1536086	
3	4	114 ⁷ / ₈ "	1503765	588251	1 ³ / ₈ " x 10" x 114 ³ / ₄ "	1507346	1507345	1 ¹ / ₄ " x 9" x 53 ¹ / ₂ "	1536086	
4										
5										
6										
7										

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



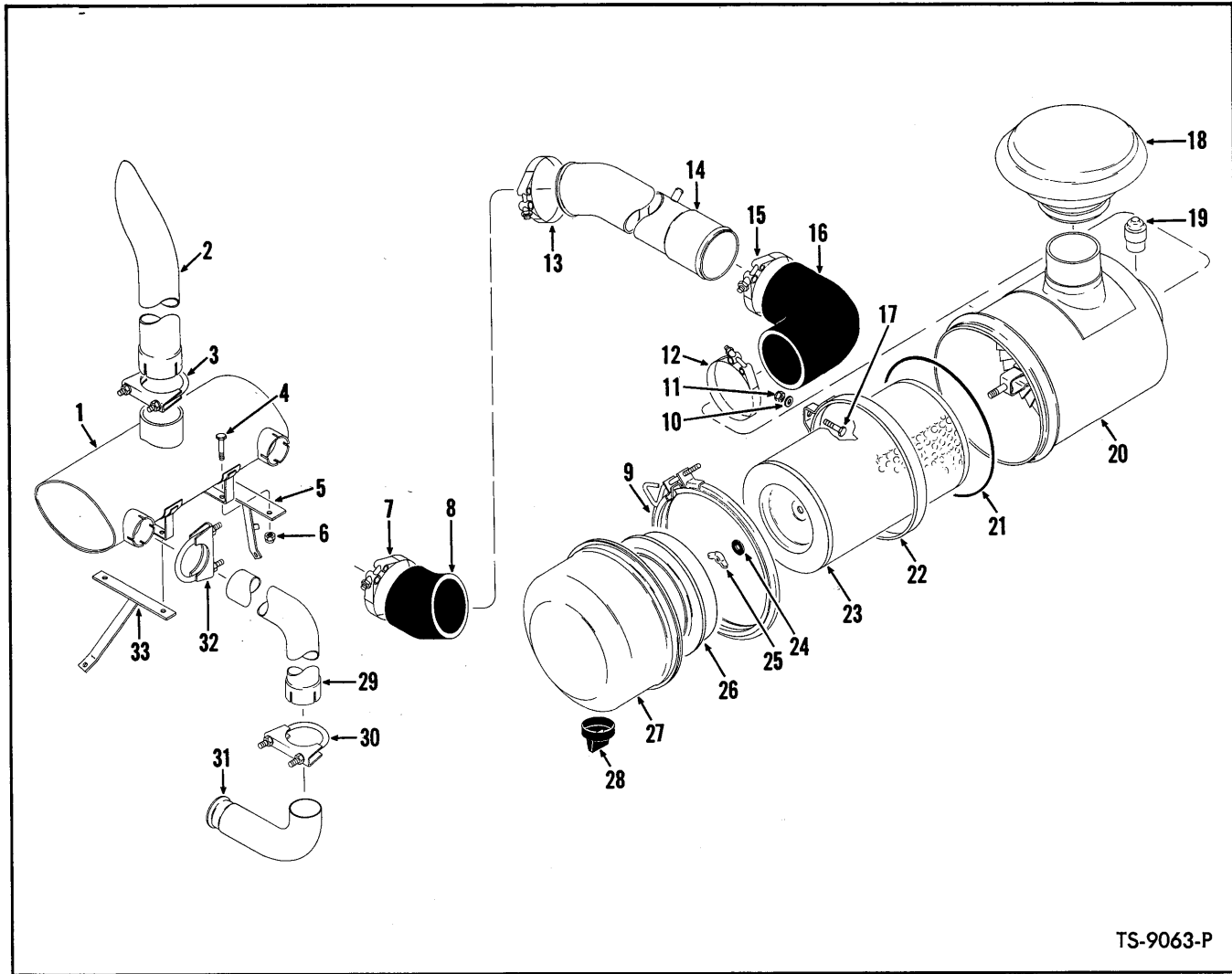
TS-8196-P

AIR VALVE ASSEMBLY — BUCKET LEVELER

Item No.	Part No.	Description	No. Req'd.
A	559784	AIR VALVE ASSY (Inc. 1 thru 20)	1
B	895683	SEAL REPAIR KIT (Inc. 6, 8, 9, 13, 14, 16)	1
1	947178	ROLLER, Air Valve Lever	1
2	947175	LEVER, Air Valve	1
3	15G-416	SCREW, Adjusting	1
4	42G-1008	SCREW, Cover Bracket Attaching	4
5	947176	BRACKET, Top Cover	1
6	947177	BUTTON ASSY (Inc. 16)	1
7	1303319	RING, Retaining	1
8	25K-20012	O-RING, Stem	1
9	947165	BUTTON & STEM ASSY (Inc. 6 & 16)	1
10	-----	§BODY — See "A"	—
11	947226	CLOSED END CAP	1
12	1303319	RING, Retaining	1
13	889239	DIAPHRAGM	1
14	889239	DIAPHRAGM	1
15	947225	OPEN END CAP	1
16	889242	SPRING	1
17	947179	PIVOT PIN	1
18	4E-04	LKWSHR, Adjusting Screw	1
19	1D-04	NUT, Adjusting Screw Lock	1
20	947179	PIVOT PIN	1

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

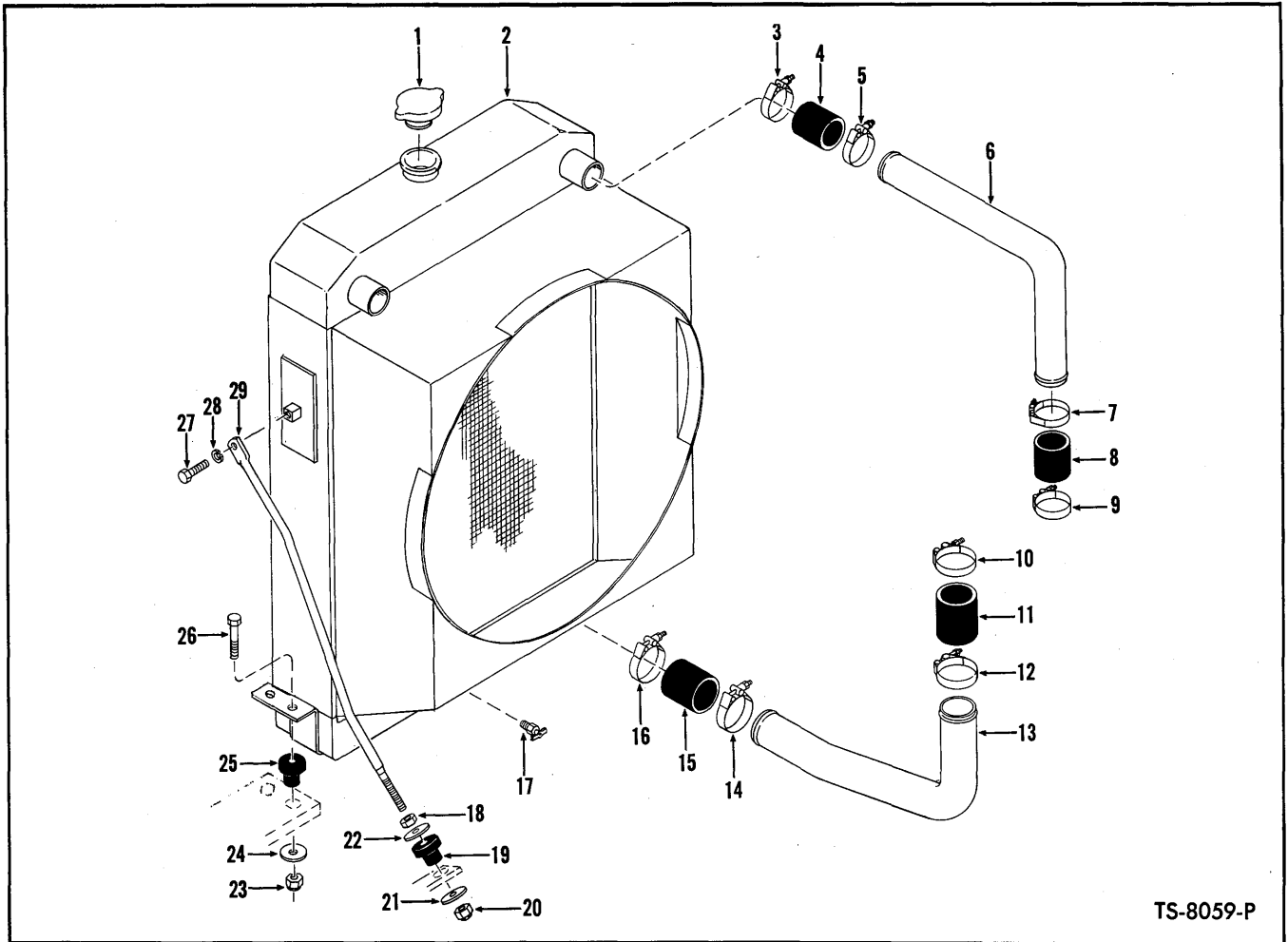


TS-9063-P

MUFFLER, TAIL PIPE, AIR CLEANER AND CONNECTIONS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	560186	MUFFLER	1	18	1530002	CAP, Air Cleaner	1
2	562609	PIPE, Tail	1	19	1529625	INDICATOR, Service	1
3	556289	CLAMP, Tail Pipe	1	20	1530009	AIR CLEANER ASSY (Inc. 9, 21, 23 thru 28)	1
4	24C-516	BOLT, Muffler to Bracket	4	21	944404	O-RING, Cup to Body	1
5	1502665	BRACKET, Muffler — L.H.	1	22	1530004	BAND, Air Cleaner Mtg.	2
6	18D-05	NUT, Muffler to Bracket	4	23	946897	CARTRIDGE, Air Cleaner	1
7	540797	CLAMP, Hose to Engine	1	24	886527	GASKET, Wing Nut	1
8	513865	HOSE, Tube to Engine	1	25	886526	WING NUT, Cartridge Retaining	1
9	944810	CLAMP, Air Cleaner Cup	1	26	946898	BAFFLE, Cup	1
10	656672	WASHER, Air Cleaner Mtg. ...	4	27	946899	CUP, Air Cleaner	1
11	18D-06	NUT, Air Cleaner Mtg.	4	28	946860	VALVE, Vacuator	1
12	1500793	CLAMP, Hose to Air Cleaner	1	29	556426	PIPE, Exhaust	2
13	540797	CLAMP, Hose to Tube	1	30	544288	CLAMP, Pipe to Stem	2
14	1531815	TUBE, Air Intake	1	31	544268	STEM, Exhaust	2
15	1500793	CLAMP, Hose to Tube	1	32	507069	CLAMP, Pipe to Muffler	2
16	1529315	HOSE, Tube to Air Cleaner ..	1	33	1502664	BRACKET, Muffler — R.H.	1
17	24C-620	BOLT, Air Cleaner Mtg.	4				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

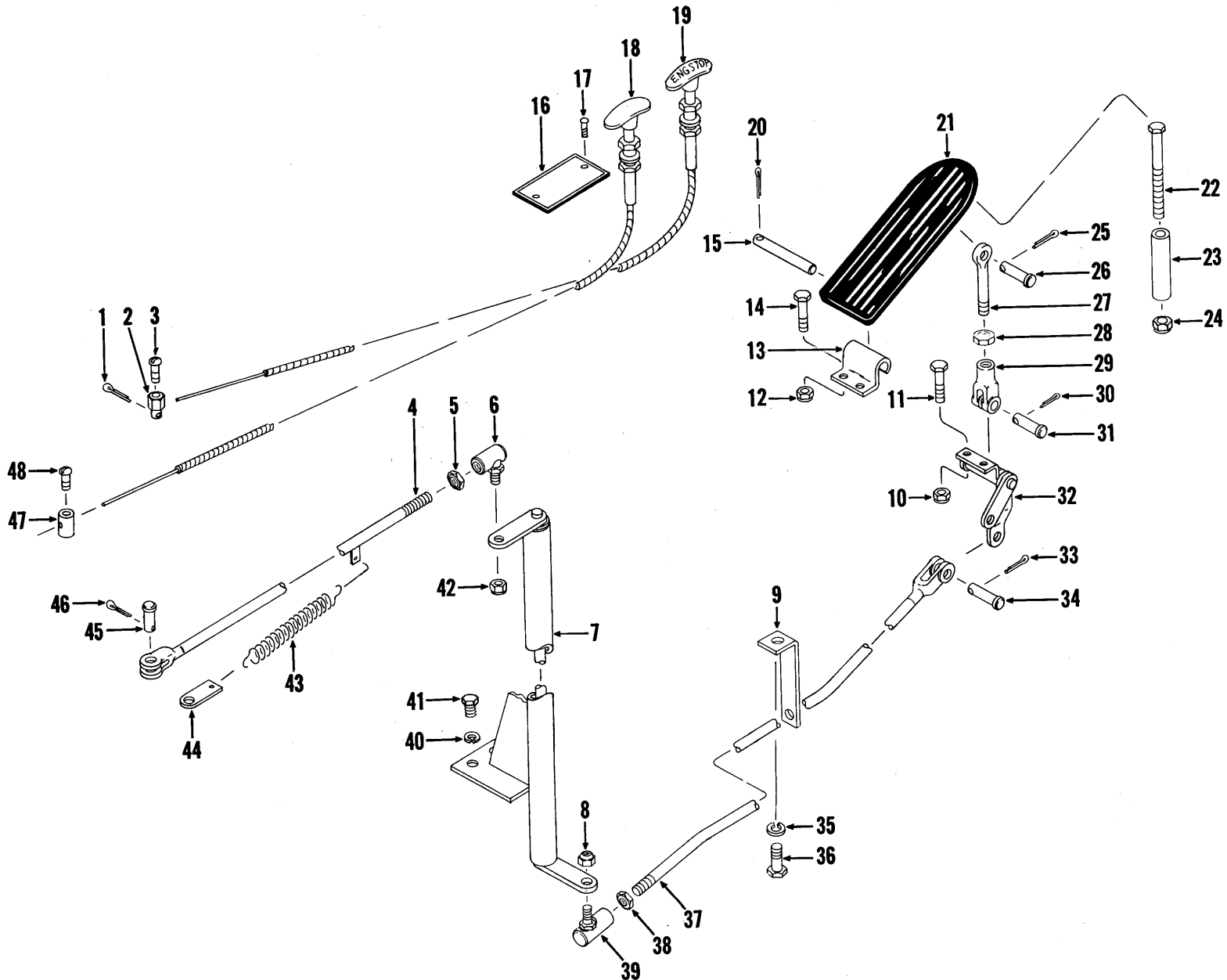


TS-8059-P

RADIATOR AND CONNECTIONS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	863364	CAP, Radiator	1	17	72F-2	DRAIN COCK	1
2	1531773	RADIATOR ASSY (Inc. 1)	1	18	8D-08	NUT, Jam	2
3	540266	CLAMP, Hose to Radiator	2	19	569739	DAMPENER, Vibration	2
4	555979	HOSE, Tube to Radiator	2	20	18D-08	NUT, Support Rod to Frame	2
5	540266	CLAMP, Hose to Tube	2	21	616796	WASHER, Support Rod to Frame	2
6	1531809	TUBE, Radiator to Engine — Upper	2	22	616796	WASHER, Support Rod to Frame	2
7	540266	CLAMP, Hose to Tube	2	23	18D-08	NUT, Radiator to Frame	4
8	555979	HOSE, Tube to Engine	2	24	616796	WASHER, Radiator to Frame	4
9	540266	CLAMP, Hose to Engine	2	25	569739	DAMPENER, Vibration	4
10	540108	CLAMP, Hose to Engine	10	26	24C-844	BOLT, Radiator to Frame	4
11	1M-16040	HOSE, Tube to Engine	1	27	24C-820	BOLT, Support Rod to Radiator	2
12	540108	CLAMP, Hose to Tube	1	28	4E-08	LKWSHR, Support Rod to Radiator	2
13	1503267	TUBE, Radiator to Engine — Lower	1	29	1531786	ROD, Radiator Support	2
14	540108	CLAMP, Hose to Tube	1				
15	1M-16040	HOSE, Radiator to Tube	1				
16	540108	CLAMP, Hose to Tube	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



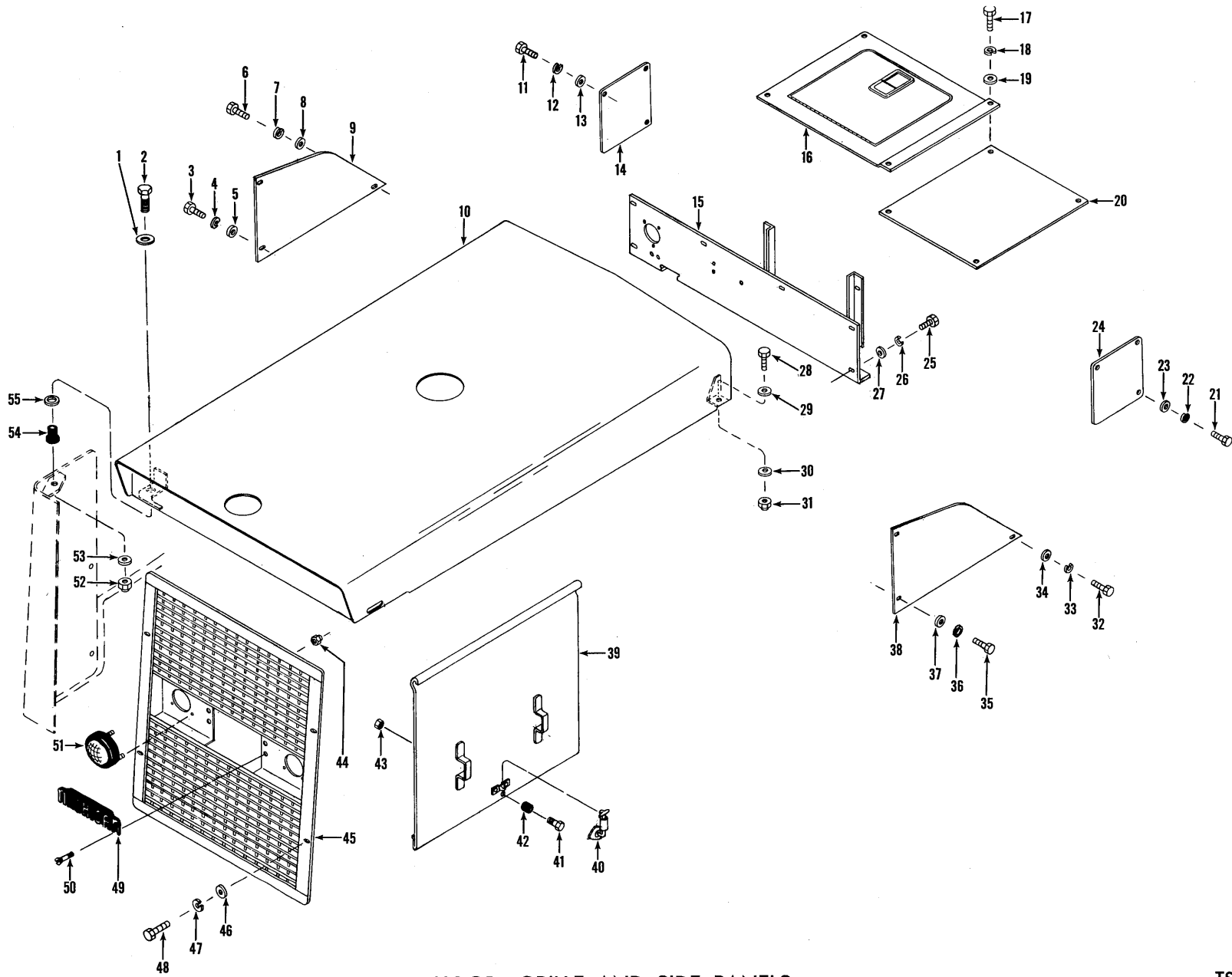
ACCELERATOR PEDAL AND LINKAGE

TS-9062-P

ACCELERATOR PEDAL AND LINKAGE

Item No.	Part No.	Description	No. Req'd.
1	1F-208	COTTER, Cable Connector	1
2	1523209	CONNECTOR, Cable	1
3	86G-1008	SCREW, Cable Connector	1
4	1531703	ROD, Throttle (Inc. 5, 6)	1
5	8D-05	NUT, Ball Joint Jam	1
6	1301361	BALL JOINT, Throttle Rod	1
7	1503266	BELLCRANK, Engine	1
8	66D-05	NUT, Ball Joint	1
9	1532184	BRACKET, Rod Support	1
10	18D-04	NUT, Bellcrank Mtg.	2
11	24C-416	BOLT, Bellcrank Mtg.	2
12	18D-04	NUT, Bracket to Floor	2
13	623760	BRACKET, Acc. Pedal	1
14	24C-416	BOLT, Bracket to Floor	2
15	623762	PIN, Pedal to Bracket	1
16	569389	PLATE, Emergency Stop	1
17	6C-605	SCREW, Plate to Cockpit	2
18	1520190	CABLE, Emergency Stop	1
19	1520193	CABLE, Engine Stop	1
20	1F-316	COTTER, Pedal Pin	1
21	623829	PEDAL, Accelerator	1
22	24C-448	BOLT, Pedal Stop	1
23	551016	STOP, Accelerator Pedal	1
24	18D-04	NUT, Pedal Stop	1
25	1F-208	COTTER, Clevis Pin	1
26	4F-04051	PIN, Clevis	1
27	550619	ROD, Pedal to Bellcrank	1
28	8D-04	NUT, Clevis Jam	1
29	2J-4200	CLEVIS, Rod to Bellcrank	1
30	1F-208	COTTER, Clevis Pin	1
31	4F-04051	PIN, Clevis	1
32	568941	BELLCRANK	1
33	1F-208	COTTER, Clevis Pin	1
34	4F-04051	PIN, Clevis	1
35	4E-06	LKWSHR, Bracket to Cockpit	1
36	24C-616	BOLT, Bracket to Cockpit	1
37	1531707	ROD, Accelerator (Inc. 9, 38, 39)	1
38	8D-05	NUT, Ball Joint	1
39	1301361	BALL JOINT, Rod to Bellcrank	1
40	4E-06	LKWSHR, Bellcrank to Engine	2
41	23C-616	BOLT, Bellcrank to Engine	2
42	66D-05	NUT, Ball Joint	1
43	551090	SPRING, Return	1
44	530509	ANCHOR, Spring	1
45	4F-05062	PIN, Clevis	1
46	1F-312	COTTER, Clevis Pin	1
47	1523210	CONNECTOR, Cable	1
48	85G-806	SCREW, Cable Connector	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HOOD, GRILLE AND SIDE PANELS

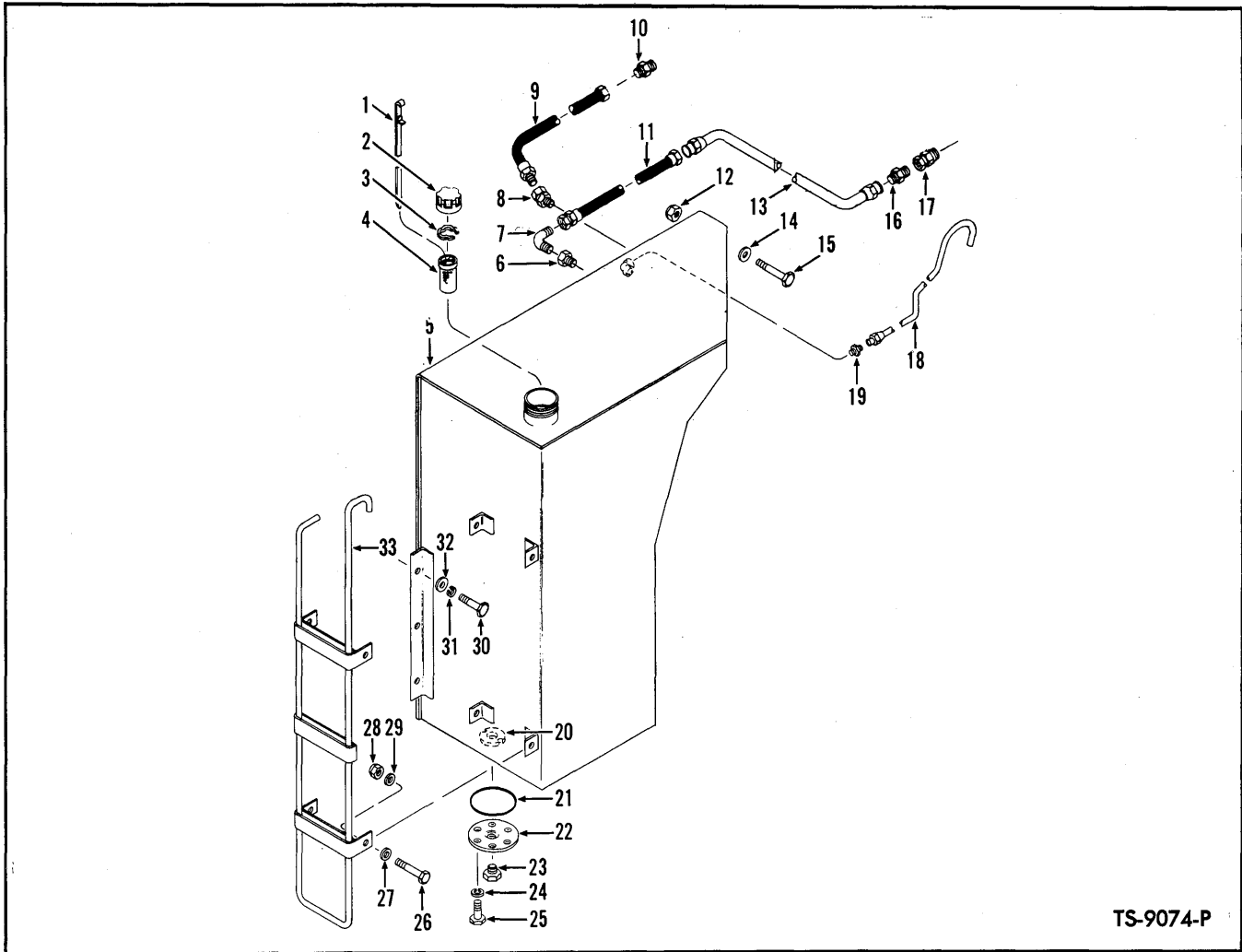
TS-9076-P

HOOD, GRILLE AND PANELS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	619021	WASHER, Hood Mtg.	2	29	619021	WASHER, Hood Mtg.	2
2	24C-632	BOLT, Hood Mtg.	2	30	619021	WASHER, Hood Mtg.	2
3	23C-616	BOLT, Plate to Frame	2	31	18D-06	NUT, Hood Mtg.	2
4	4E-06	LKWSHR, Plate to Frame	2	32	24C-620	BOLT, Plate to Frame	1
5	656672	WASHER, Plate to Frame	2	33	4E-06	LKWSHR, Plate to Frame	1
6	24C-620	BOLT, Plate to Frame	1	34	656672	WASHER, Plate to Frame	1
7	4E-06	LKWSHR, Plate to Frame	1	35	23C-616	BOLT, Plate to Frame	2
8	656672	WASHER, Plate to Frame	1	36	4E-06	LKWSHR, Plate to Frame	2
9	1531803	PLATE, Access	1	37	656672	WASHER, Plate to Frame	2
10	1531805	HOOD	1	38	1531803	PLATE, Access	1
11	23C-616	BOLT, Plate to Cockpit	3	39	588003	*PANEL, Engine Side	4
12	4E-06	LKWSHR, Plate to Cockpit	3	40	587989	*CATCH, Side Panel	4
13	656672	WASHER, Plate to Cockpit	3	41	85G-814	*SCREW, Bumper to Panel	4
14	1532766	PLATE, Cockpit Side	1	42	551434	*BUMPER, Side Panel	4
15	1531793	PLATE, Air Cleaner Mtg.	1	43	12D-8	*NUT, Bumper to Panel	4
16	1539265	PLATE, Cover — L.H.	1	44	50D-10	NUT, Lamp to Grille	6
17	23C-620	BOLT, Cover Plates to Frame ..	6	45	567976	GRILLE	1
18	4E-06	LKWSHR, Cover Plates to Frame ..	6	46	635682	WASHER, Grille Mtg.	4
19	656672	WASHER, Cover Plates to Frame ..	6	47	4E-08	LKWSHR, Grille Mtg.	4
20	1531804	PLATE, Cover — R.H.	1	48	24C-824	BOLT, Grille Mtg.	4
21	23C-616	BOLT, Plate to Cockpit	3	49	535649	NAMEPLATE — "Michigan" ...	1
22	4E-06	LKWSHR, Plate to Cockpit	3	50	7G-418	SCREW, Nameplate to Grille ..	4
23	656672	WASHER, Plate to Cockpit	3	50A	20E-04	†LKWSHR, Nameplate to Grille ..	4
24	1532766	PLATE, Cockpit Side	1	51	547416	LAMP ASSY — Back-Up (Inc. 51A, 51B)	2
25	23C-620	BOLT, Mounting Plate to Frame ..	6	51A	946389	†RETAINER	2
26	4E-06	LKWSHR, Mounting Plate to Frame ..	6	51B	551245	†SEALED UNIT	2
27	656672	WASHER, Mounting Plate to Frame ..	6	52	18D-06	NUT, Hood Mtg.	2
28	24C-624	BOLT, Hood Mtg.	2	53	619021	WASHER, Hood Mtg.	2
				54	568276	DAMPENER, Vibration	2
				55	619021	WASHER, Hood Mtg.	2

*NOTE: Optional equipment — Not furnished with machine.
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



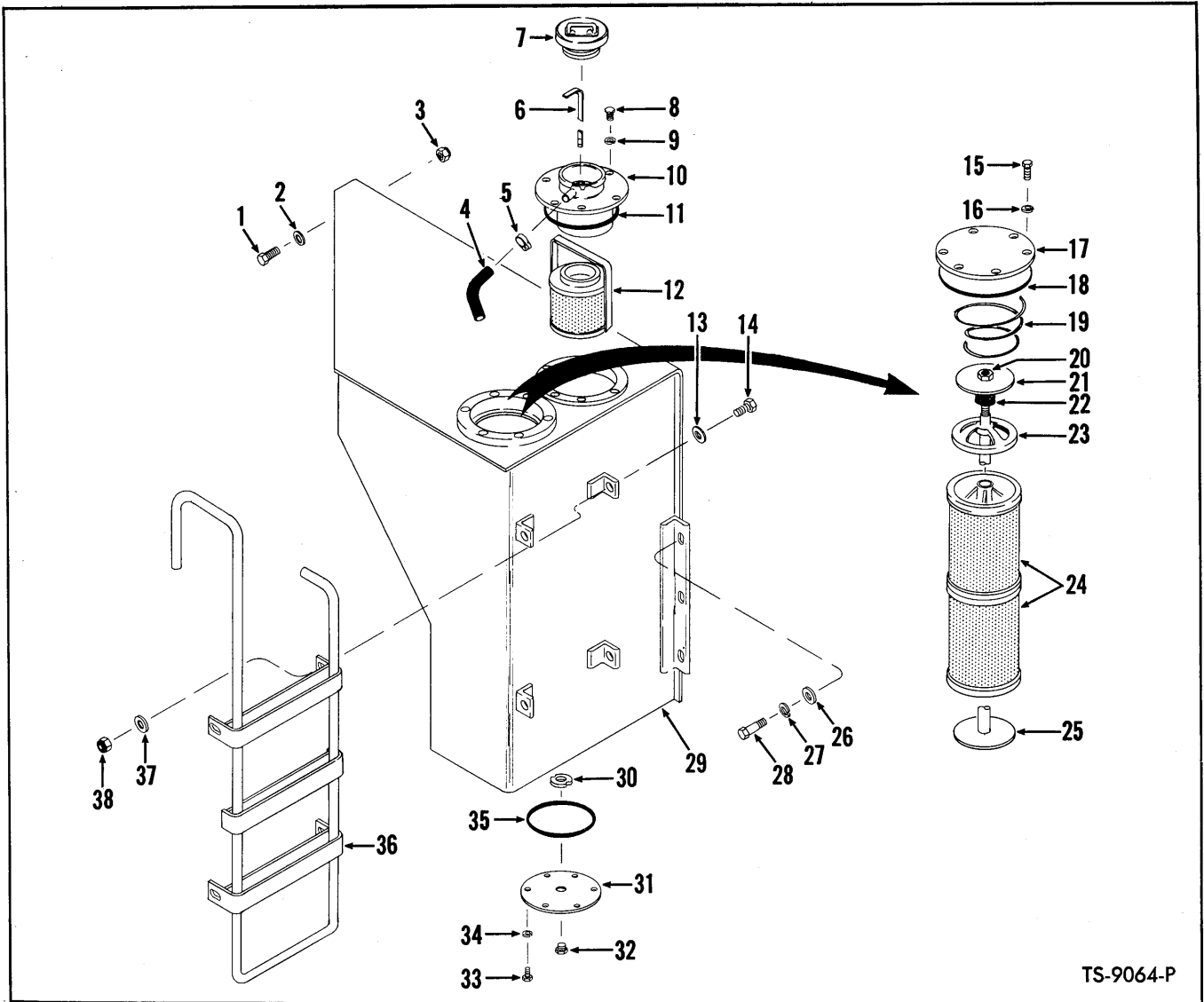
TS-9074-P

FUEL TANK AND LINES

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1531710	DIPSTICK, Fuel Tank	1	16	38F-9	CONNECTOR, Tube to Check	1
2	556655	CAP, Filler (Inc. 2A, 2B)	1	17	425413	VALVE, Check	1
2A	946953	†GASKET, Filler Cap	1	18	1503579	TUBE, Breather	1
2B	946954	†PLATE, Gasket Back-Up	1	19	38F-4	CONNECTOR, Breather Tube	1
3	569914	RING, Screen Retaining	1	20	525293	MAGNET	1
4	943957	SCREEN, Filler	1	21	25K-40428	O-RING, Inspection Plate	1
5	1531719	TANK, Fuel	1	22	587613	PLATE, Inspection	1
6	19F-6	BUSHING, Reducing	1	23	40K-16	PLUG, Inspection Plate	1
7	42F-8	ELBOW, Hose to Tank	1	24	4E-06	LKWSHR, Plate	6
8	31F-3	ADAPTER, Hose to Tank	1	25	24C-612	BOLT, Plate	6
9	533506	HOSE, Fuel Return	1	26	24C-828	BOLT, Step to Tank	4
10	38F-7	CONNECTOR, Hose to Engine	1	27	619029	WASHER, Step to Tank	4
11	524959	HOSE, Suction	1	28	18D-08	NUT, Step to Tank	4
12	18D-10	NUT, Tank to Frame	1	29	619029	WASHER, Step to Tank	4
13	1531853	TUBE, Fuel Suction	1	30	24C-1024	BOLT, Tank to Frame	5
14	616800	WASHER, Tank to Frame	1	31	4E-10	LKWSHR, Tank to Frame	5
15	24C-1032	BOLT, Tank to Frame	1	32	616800	WASHER, Tank to Frame	5
				33	1531714	STEP — L.H.	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

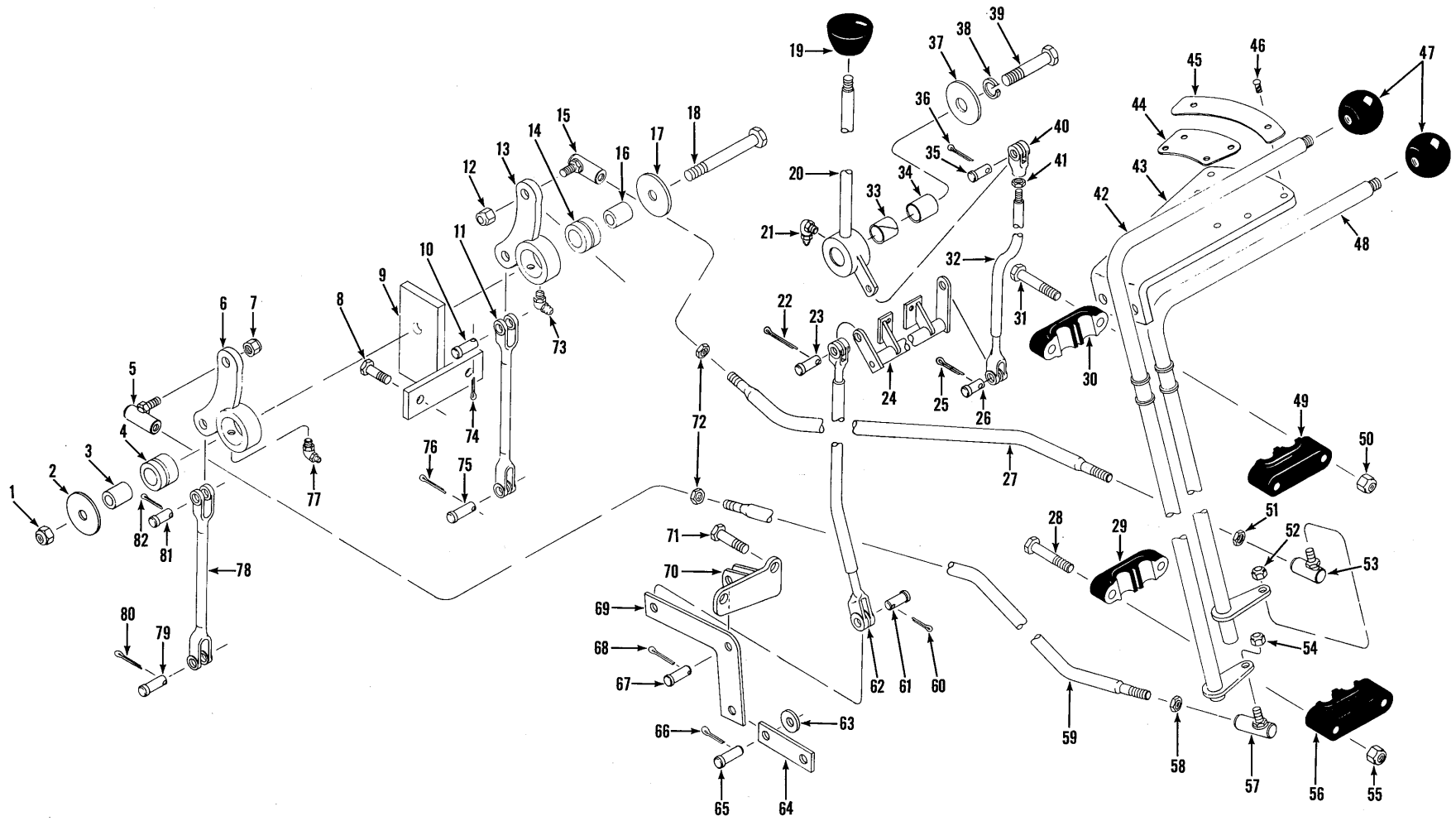


TS-9064-P

HYDRAULIC OIL RESERVOIR, STEP AND FILTERS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	24C-1032	BOLT, Reservoir Mtg.	1	20	18D-06	NUT, Guide Rod	1
2	616800	WASHER, Reservoir Mtg.	1	21	1529704	WASHER, Guide Rod	1
3	18D-10	NUT, Reservoir Mtg.	1	22	1530598	SPRING, Retaining	1
4	743563	HOSE, Vent (7" lg.)	1	23	1529679	RETAINER, Filter	1
5	521874	CLAMP, Hose	1	24	945989	KIT, Filter Cartridge - Return	1
6	1521875	DIPSTICK, Reservoir	1	25	1529702	ROD, Guide	1
7	554843	CAP, Filler	1	26	616800	WASHER, Reservoir Mtg.	5
8	24C-612	BOLT, Filler Neck	6	27	4E-10	LKWSHR, Reservoir Mtg.	5
9	4E-06	LKWSHR, Filler Neck	6	28	24C-1024	BOLT, Reservoir Mtg.	5
10	567742	FILLER NECK	1	29	1531600	RESERVOIR, Hydraulic Oil ...	1
11	25K-40624	O-RING, Filler Neck	1	30	525293	MAGNET	1
12	1532445	FILTER, Suction	1	31	587613	COVER, Inspection	1
13	619029	WASHER, Step to Reservoir..	4	32	40K-16	PLUG, Drain	1
14	24C-828	BOLT, Step to Reservoir	4	33	24C-612	BOLT, Inspection Cover	6
15	24C-614	BOLT, Cover Plate	6	34	4E-06	LKWSHR, Inspection Cover....	6
16	4E-06	LKWSHR, Cover Plate	6	35	25K-40428	O-RING, Inspection Cover....	1
17	1529896	PLATE, Cover	1	36	1531593	STEP - R.H.	1
18	25K-40808	O-RING, Cover Plate	1	37	619029	WASHER, Step to Reservoir..	4
19	1530599	SPRING, Relief	1	38	18D-08	NUT, Step to Reservoir.....	4

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



[20]

TRANSMISSION CONTROL LEVERS AND LINKAGE

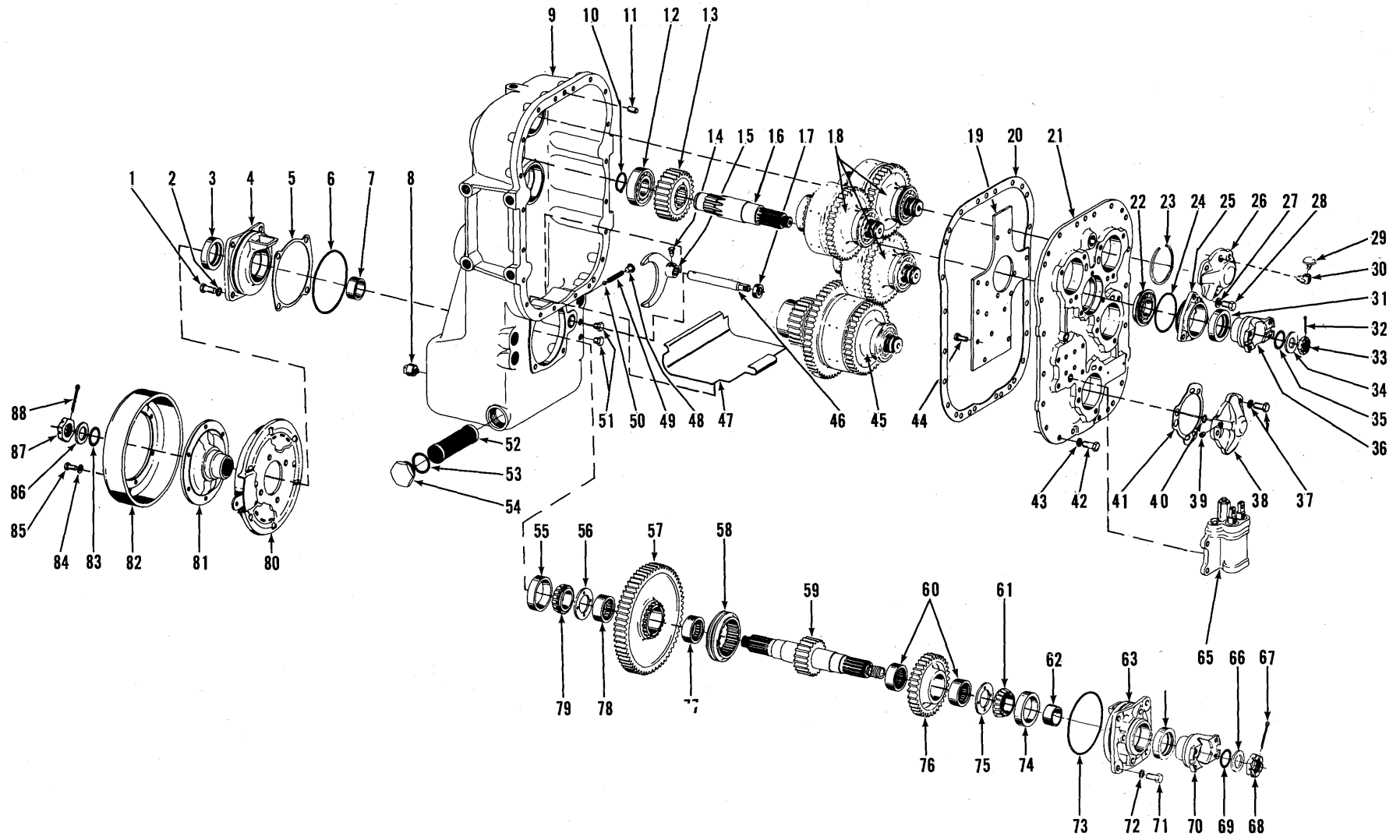
TS-9044-P

TRANSMISSION CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Bellcrank to Brk.	1	41	8D-06	NUT, Clevis Jam.....	1
2	616795	WASHER, Bellcrank to Brk....	2	42	1533876	LEVER, Forward & Reverse...	1
3	585596	SLEEVE, Bellcrank.....	1	43	1536275	QUADRANT, Shift	1
4	585597	BUSHING, Bellcrank.....	1	43A	24C-620	† BOLT, Shift Quadrant	1
5	1301361	BALL JOINT, Control Rod.....	1	43B	18D-06	† NUT, Shift Quadrant	1
6	585500	BELLCRANK, Transmission Control	1	44	567977	PLATE, High-Low	1
7	66D-05	NUT, Ball Joint	1	45	567947	PLATE, Forward-Reverse	1
8	23C-724	BOLT, Bracket to Transmission	2	46	6C-605	SCREW, Plate to Quadrant....	6
9	1533873	BRACKET, Bellcrank	1	47	509772	KNOB, Shift Lever	2
10	4F-06106	PIN, Clevis	1	48	1533875	LEVER, High & Low.....	1
11	1522220	ROD, Bellcrank to Control Valve	1	49	1508846	SUPPORT, Shift Lever (Inc. 30)	1
12	66D-05	NUT, Ball Joint	1	50	18D-05	NUT, Lever Support	2
13	585500	BELLCRANK, Transmission Control	1	51	8D-05	NUT, Ball Joint Jam	1
14	585597	BUSHING, Bellcrank.....	1	52	66D-05	NUT, Ball Joint.....	1
15	1301361	BALL JOINT, Control Rod.....	1	53	1301361	BALL JOINT, Control Rod.....	1
16	585596	SLEEVE, Bellcrank.....	1	54	66D-05	NUT, Ball Joint	1
17	616795	WASHER, Bellcrank to Brk....	2	55	18D-05	NUT, Lever Support	2
18	24C-860	BOLT, Bellcrank to Brk.....	1	56	1508846	SUPPORT, Shift Lever (Inc. 29)	1
19	563753	KNOB, High & Low Lever.....	1	57	1301361	BALL JOINT, Control Rod.....	1
20	1531667	LEVER, High & Low	1	58	8D-05	NUT, Ball Joint Jam	1
21	12H-15	FITTING, Lever Grease	1	59	1531663	ROD, Control (Inc. 5, 57, 58, 72)	1
22	1F-308	COTTER, Clevis Pin.....	1	60	1F-308	COTTER, Clevis Pin.....	1
23	4F-06106	PIN, Clevis	1	61	4F-06106	PIN, Clevis	1
24	1531680	BELLCRANK	1	62	1531672	ROD, High-Low-Lower	1
24A	23C-616	† BOLT, Bellcrank Mtg.	2	63	980055	WASHER, Clevis Pin	2
24B	4E-06	† LKWSHR, Bellcrank Mtg.	2	64	743878	LINK, Connecting	2
25	1F-308	COTTER, Clevis Pin.....	1	65	4F-06106	PIN, Clevis	2
26	4F-06106	PIN, Clevis	1	66	1F-308	COTTER, Clevis Pin	2
27	1531663	ROD, Control (Inc. 15, 51, 53, 72)	1	67	4F-06106	PIN, Clevis	1
28	24C-536	BOLT, Lever Support	2	68	1F-308	COTTER, Clevis Pin	1
29	1508846	SUPPORT, Shift Lever (Inc. 56)	1	69	1522219	BELLCRANK, High & Low	1
30	1508846	SUPPORT, Shift Lever (Inc. 49)	1	70	1522216	BRACKET, Bellcrank	1
31	24C-536	BOLT, Lever Support	2	71	23C-724	BOLT, Bracket to Trans.	2
32	1531670	ROD, High & Low — Upper (Inc. 40, 41)	1	72	8D-05	NUT, Ball Joint Jam	2
33	585596	SLEEVE, Lever.....	1	73	12H-15	FITTING, Bellcrank Grease ..	1
34	585597	BUSHING, Lever	1	74	1F-310	COTTER, Clevis Pin.....	1
35	4F-06106	PIN, Clevis	1	75	4F-06106	PIN, Clevis	1
36	1F-308	COTTER, Clevis Pin.....	1	76	1F-310	COTTER, Clevis Pin.....	1
37	616795	WASHER, Lever Mtg.	1	77	12H-15	FITTING, Bellcrank Grease....	1
38	4E-08	LKWSHR, Lever Mtg.	1	78	1522220	ROD, Bellcrank to Control Valve	1
39	24C-828	BOLT, Lever Mtg.	1	79	4F-06106	PIN, Clevis	1
40	2J-6208	CLEVIS, High & Low Rod	1	80	1F-310	COTTER, Clevis Pin.....	1
				81	4F-06106	PIN, Clevis	1
				82	1F-310	COTTER, Clevis Pin.....	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



[22]

TRANSMISSION ASSEMBLY

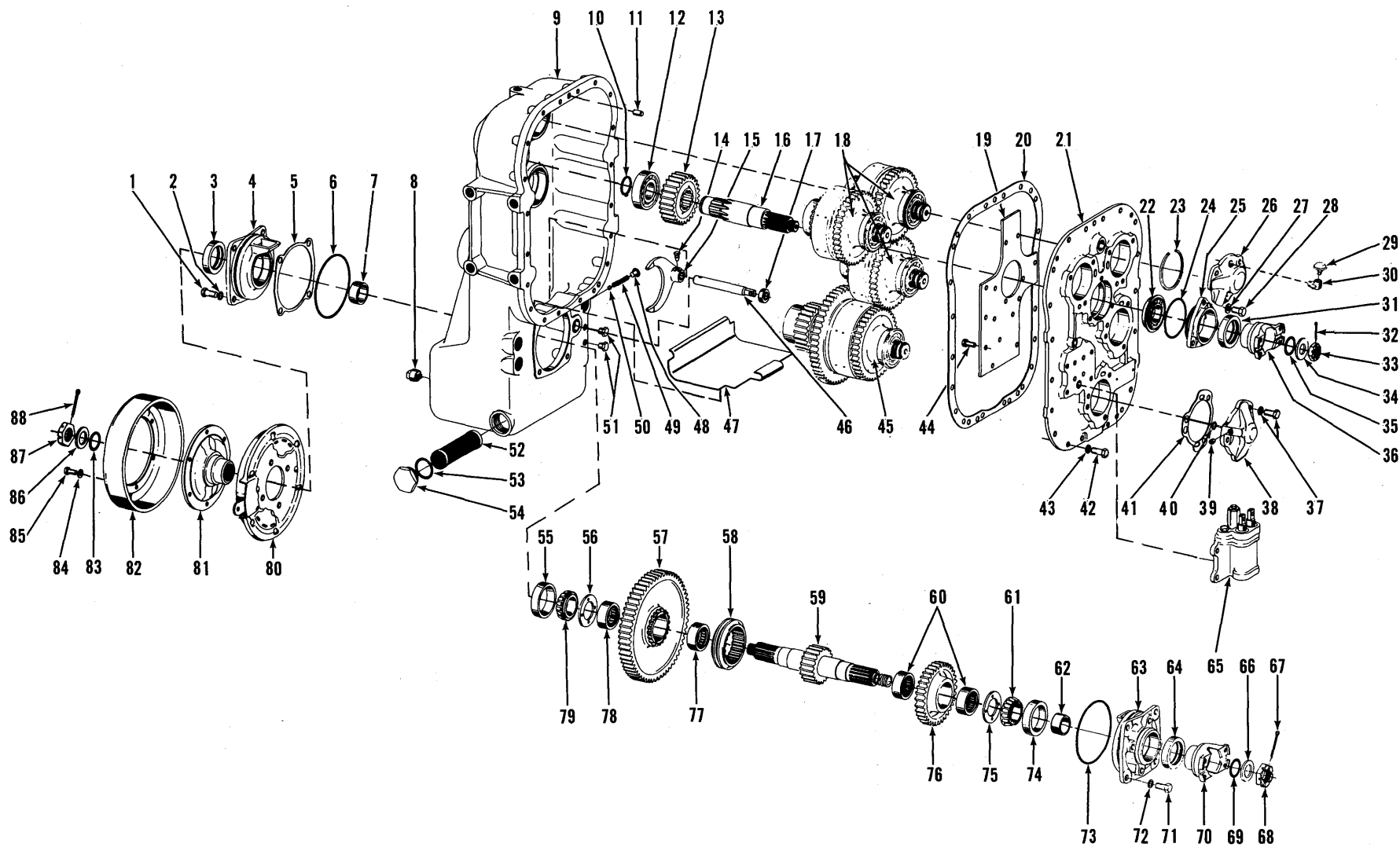
TS-6988-P

TRANSMISSION ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	282900	TRANSMISSION ASSY (2420H-20) (Inc. 1 thru 88)	1	20	215144	GASKET, Cover to Case	1
1	1C-820	BOLT, Bearing Cap	4	21	215141	COVER ASSY, Trans. (Inc. 19, 44, 44A)	1
2	5E-08	LKWSHR, Bearing Cap	4	22	225824	BEARING, Shaft Locating	1
3	225823	SEAL, Bearing Cap Oil	1	23	945374	RING, Brg. Retaining	4
4	227960	CAP, Bearing	1	24	25K-40316	O-RING, Bearing Cap	1
5	215156	‡SHIM, Cap — .004"	—	25	215198	CAP, Input Brg. (Inc. 31)	1
5A	215157	‡SHIM, Cap — .007"	—	26	—	BEARING CAP — See Item 38	—
5B	215158	‡SHIM, Cap — .010"	—	27	4E-07	LKWSHR, Bearing Cap	3
6	25K-40524	O-RING, Bearing Cap	1	28	1C-718	BOLT, Bearing Cap	3
7	227945	SPACER, Brake Flange	1	29	—	OMIT, Not Used	—
8	215757	PLUG, Drain	1	30	—	OMIT, Not Used	—
9	801363	CASE, Transmission	1	31	206864	SEAL, Input Shaft Oil	1
9A	218353	†BORE PLUG, Case	1	32	1F-428	COTTER, Flange Nut	1
9B	14F-12	†PLUG, Dipstick Hole	1	33	201951	NUT, Input Flange	1
10	659065	RING, Brg. Retaining	1	34	102745	WASHER, Flange Nut	1
11	214295	PIN, Case Dowel	2	35	25K-40112	O-RING, Input Flange	1
12	225078	BEARING, Input Shaft	1	36	228859	FLANGE, Input (6-C)	1
13	215166	GEAR, Input Shaft (26T)	1	37	1C-718	BOLT, Bearing Cap	12
14	201566	SCREW, Shift Fork Lock	1	37A	4E-07	LKWSHR, Bearing Cap	12
15	215146	FORK, Range Shift	1	38	215163	CAP, Bearing	4
16	215165	SHAFT, Input	1	39	16F-02	PLUG, Brg. Cap Pipe	4
17	225075	SEAL, Shift Rail Oil	1	40	25K-30016	O-RING, Bearing Cap	4
18	—	CLUTCH GROUP — Forward, Reverse & Low — See Index	3	41	215164	GASKET, Bearing Cap	4
19	215143	PLATE, Oil Circuit	1	42	1C-718	BOLT, Cover to Case	20
				43	4E-07	LKWSHR, Cover to Case	20

‡As Required
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



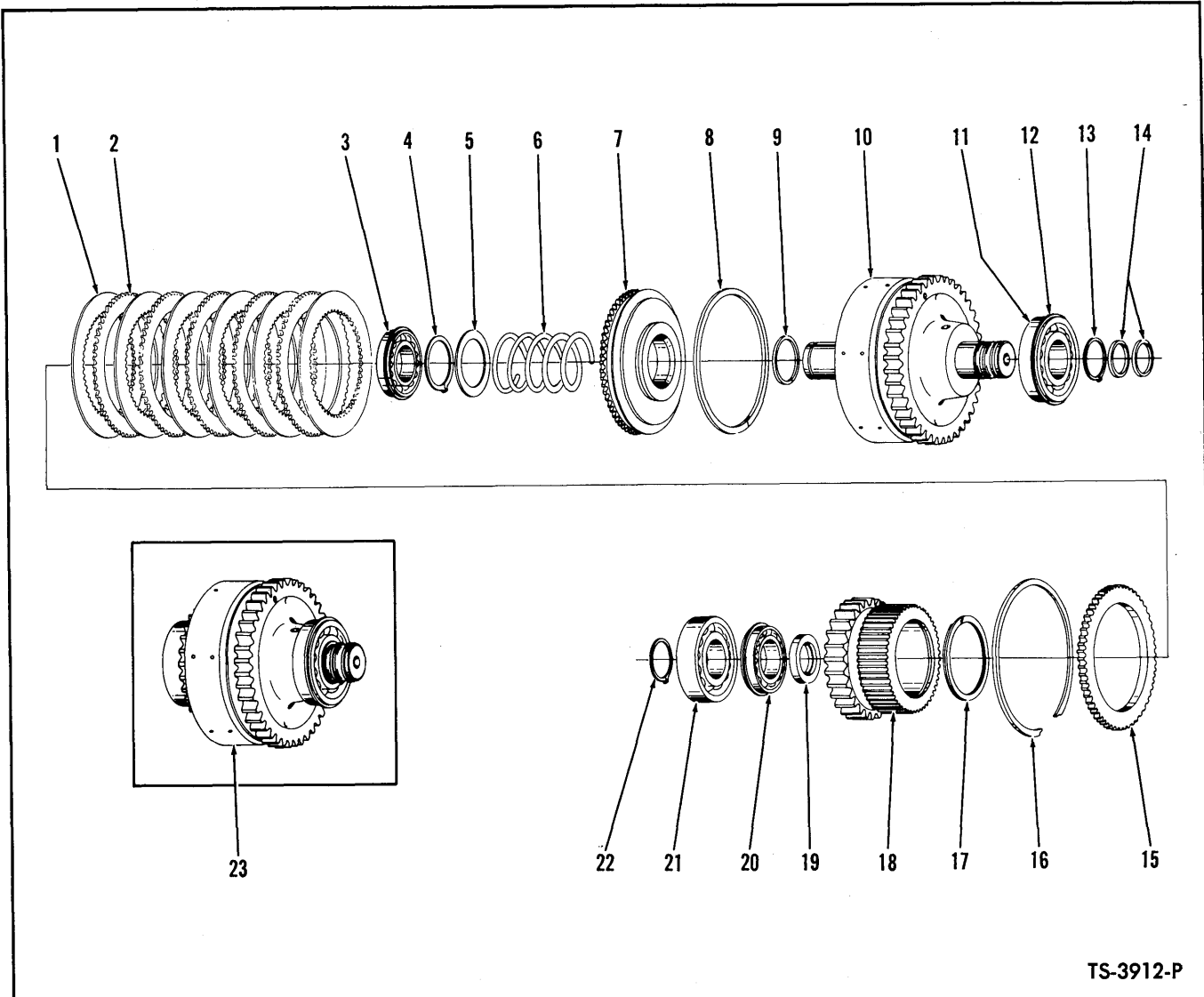
TRANSMISSION ASSEMBLY

TS-6988-P

TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
44	1C-614	BOLT, Plate to Cover	15	66	222179	WASHER, Flange Nut	1
44A	5E-06	LKWSHR, Plate to Cover	15	67	1F-436	COTTER, Flange Nut	1
45	-----	CLUTCH GROUP, High — See Index	1	68	205928	NUT, Output Flange.....	1
46	215145	RAIL, Range Shift	1	69	25K-60116	O-RING, Output Flange.....	1
47	228943	PLATE, Baffle	1	70	222233	FLANGE, Output (7-C)	1
48	40K-04	PLUG, Detent Spring	1	71	1C-820	BOLT, Bearing Cap	4
49	215191	SPRING, Detent	1	72	5E-08	LKWSHR, Bearing Cap.....	4
50	10J-12	BALL, Detent	1	73	25K-40524	O-RING, Bearing Cap	1
51	40K-04	PLUG, Oil Level	2	74	661721	CUP, Shaft Bearing	1
52	215205	SCREEN, Suction	1	75	227947	WASHER, Thrust.....	1
53	219373	GASKET, Plug.....	1	76	228069	GEAR, High (34T)	1
54	219370	PLUG, Suction Screen	1	77	227944	BEARING, Low Gear	1
55	661721	CUP, Output Bearing	1	78	227944	BEARING, Low Gear	1
56	227947	WASHER, Thrust.....	1	79	227946	CONE, Shaft Bearing	1
57	228068	GEAR, Low (61T)	1	80	-----	BRAKE ASSY, Parking — See Index	1
58	215149	HUB, Output Shaft Shift	1	81	228234	FLANGE, Brake (7-C)	1
59	228887	SHAFT, Output	1	82	215160	DRUM, Brake	1
60	227944	BEARING, High Gear.....	2	83	25K-60116	O-RING, Flange	1
61	227946	CONE, Shaft Bearing	1	84	4E-06	LKWSHR, Drum to Flange	6
62	227945	SPACER, Brake Flange.....	1	85	2C-612	BOLT, Drum to Flange	6
63	227960	CAP, Output Bearing	1	86	222179	WASHER, Flange Nut	1
64	225823	SEAL, Bearing Cap Oil.....	1	87	205928	NUT, Flange	1
65	-----	CONTROL VALVE — See Index	1	88	1F-436	COTTER, Flange Nut	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-3912-P

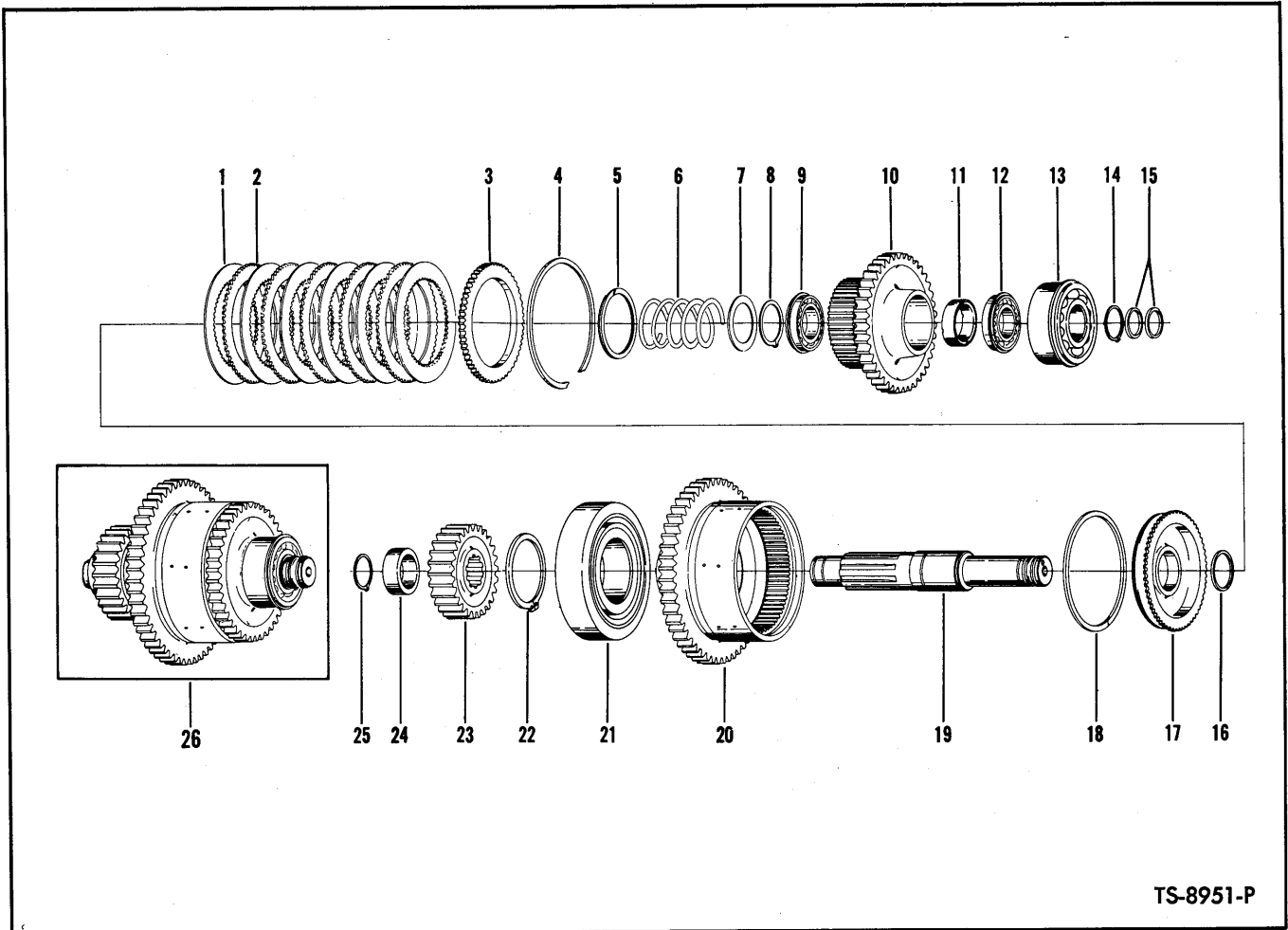
CLUTCH GROUP – FORWARD, REVERSE AND LOW

(This Group used 3 times in Transmission – Quantities listed below are for 1 Clutch Group)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	228114	DISC, Clutch Inner	6	11	228245	BEARING, Clutch Shaft (Inc. 12)	1
2	224772	DISC, Clutch Outer	5	12	945374	RING, Bearing Retaining	1
3	225076	BEARING, Clutch Disc Hub	1	13	659065	RING, Bearing Retaining	1
4	654613	RING, Return Spring Ret.	1	14	215183	RING, Clutch Shaft Seal	2
5	616848	WASHER, Spring Ret.	1	15	224774	PLATE, Clutch Disc End	1
6	215179	SPRING, Piston Return	1	16	215190	RING, End Plate Ret.	1
7	215177	PISTON, Clutch	1	17	225077	RING, Hub Oil Baffle	1
8	224771	RING, Piston Outer Seal	1	18	215180	GEAR & HUB ASSY (28T)	1
9	223085	RING, Piston Inner Seal	1	19	215182	SPACER, Hub Bearing	1
10	227955	DRUM ASSY, Clutch (Inc. 10A, 10B) (40T)	1	20	225076	BEARING, Disc Hub	1
10A	215176	†SEAT, Bleed Valve Ball	1	21	225078	BEARING, Clutch Shaft	1
10B	10J-06	†BALL, Bleed Valve	1	22	659065	RING, Bearing Ret.	1
				23	228223	CLUTCH ASSY (Inc. 1 thru 22)	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-8951-P

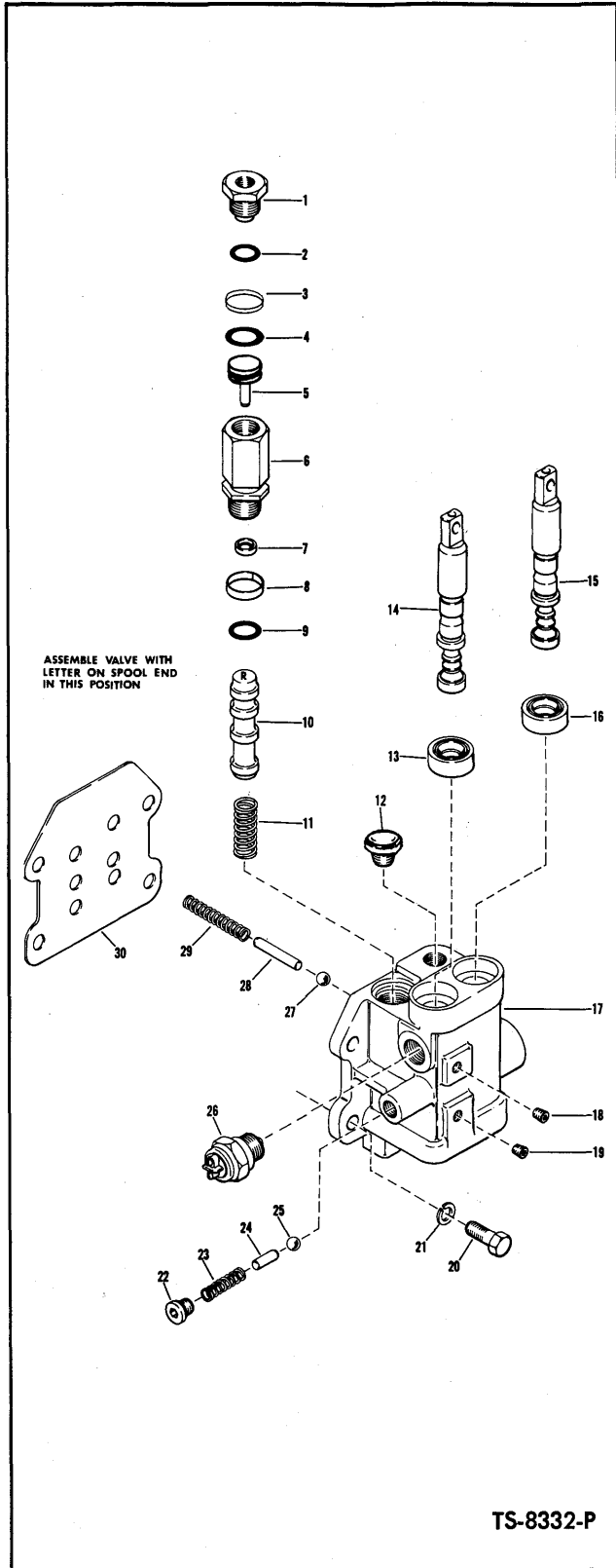
CLUTCH GROUP – HIGH

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	228114	DISC, Clutch Inner	6	15	215183	RING, Clutch Shaft Sealing	2
2	224772	DISC, Clutch Outer	5	16	223085	RING, Piston Inner Sealing ..	1
3	224774	PLATE, Clutch Disc End	1	17	215177	PISTON, Clutch	1
4	215190	RING, End Plate Ret.	1	18	224771	RING, Piston Outer Sealing ..	1
5	225077	RING, Hub Oil Baffle	1	19	215184	SHAFT, Clutch	1
6	215179	SPRING, Piston Return	1	20	227952	DRUM & GEAR ASSY, Clutch (Inc. 20A, 20B) (53T)	1
7	616848	WASHER, Spring Ret.	1	20A	215176	†SEAT, Bleed Valve Ball	1
8	654613	RING, Return Spring Ret.	1	20B	10J-06	†BALL, Bleed Valve	1
9	225076	BEARING, Disc Hub	1	21	228246	BEARING, High Gear	1
10	227950	HUB & GEAR, Clutch Disc (40T)	1	22	507688	RING, Bearing Retaining	1
11	227959	SPACER, Hub Bearing	1	23	215166	GEAR, High Clutch Shaft (26T)	1
12	225076	BEARING, Disc Hub	1	24	227949	SPACER, Gear	1
13	228245	BEARING, Clutch Shaft	1	25	659065	RING, Retaining	1
14	659065	RING, Bearing Retaining	1	26	228222	CLUTCH ASSY (Inc. 1 thru 25)	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

CONTROL VALVE – TRANSMISSION

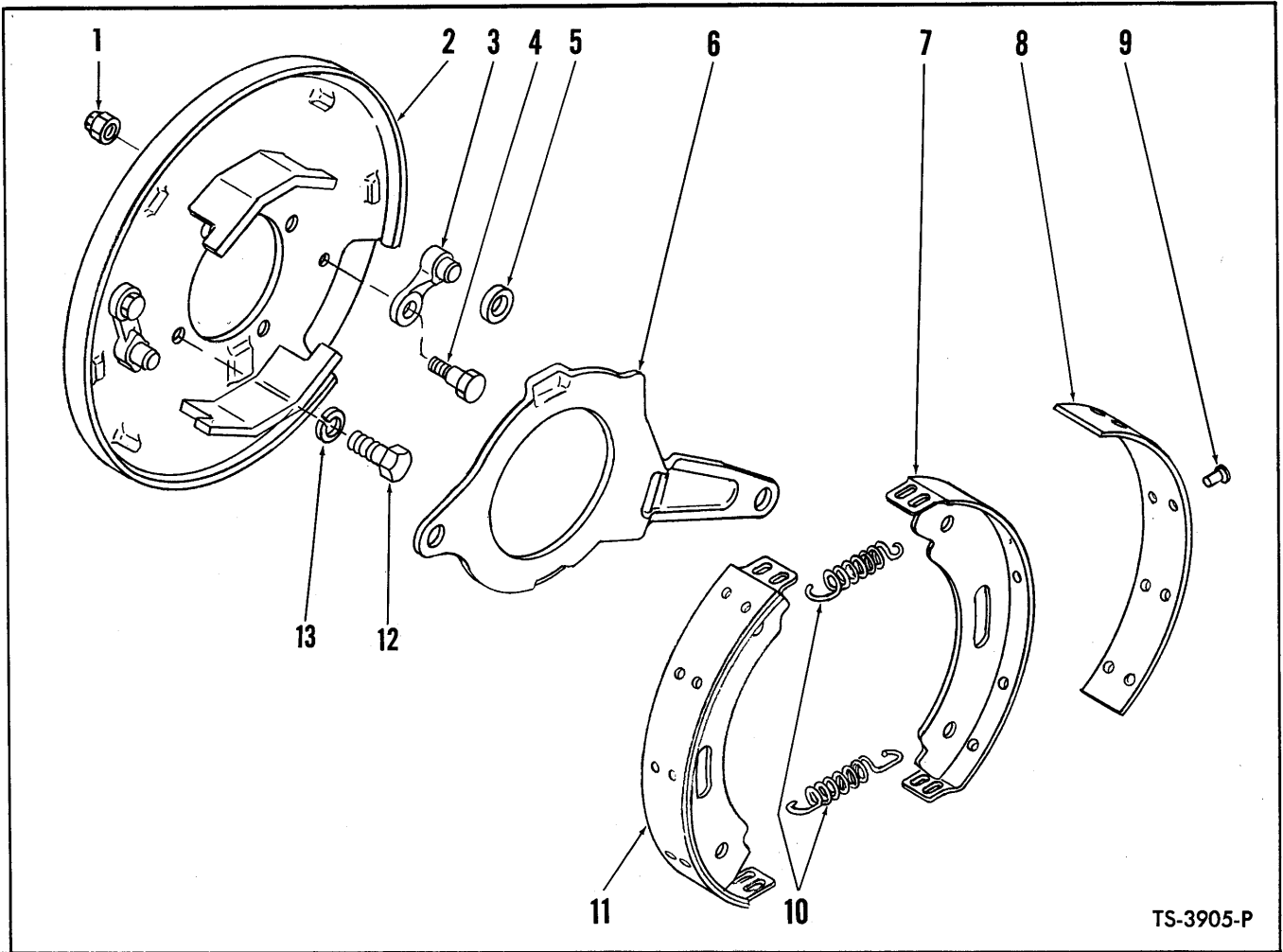


Item No.	Part No.	Description	No. Req'd.
A	230505	CONTROL VALVE ASSY (Inc. 1 thru 30)	1
1	217928	PLUG, Stop	1
2	91F-8	O-RING, Stop Plug	1
3	227672	SEAL, Piston – Outer	1
4	25K-30020	O-RING, Piston	1
5	227674	PISTON	1
6	219342	VALVE, De-Clutch (Inc. 1 thru 5, 7, 8, 9)	1
7	224315	SEAL, Oil	1
8	228931	SEAL, Band	1
9	25K-30022	O-RING	1
10	---	*§ VALVE, De-Clutch Control – See "A"	---
11	219344	SPRING, Control Valve	1
12	211433	BREATHER	1
13	225075	SEAL, Manual Control Valve Oil	1
14	---	§ VALVE, Manual Control – See "A"	---
15	---	§ VALVE, Manual Control – See "A"	---
16	225075	SEAL, Manual Control Valve Oil	1
17	---	§ HOUSING, Control Valve – See "A"	---
18	16F-01	PLUG	1
19	16F-01	PLUG	1
20	1C-718	BOLT, Housing to Trans.	4
21	4E-07	LKWSHR, Housing to Trans.	4
22	47K-3	PLUG, Detent	1
23	202200	SPRING, Detent	1
24	229010	PIN, Detent	1
25	10J-12	BALL, Detent	1
26	224620	SWITCH, Neutral Start	1
27	10J-12	BALL, Detent	1
28	215194	PIN, Detent Stop	1
29	215147	SPRING, Detent	1
30	229009	GASKET, Housing to Trans.	1

§Not Sold Separately

*NOTE: For correct operation of the de-clutch feature for this application Item 10 must be installed with the letter "R" in the upright position.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



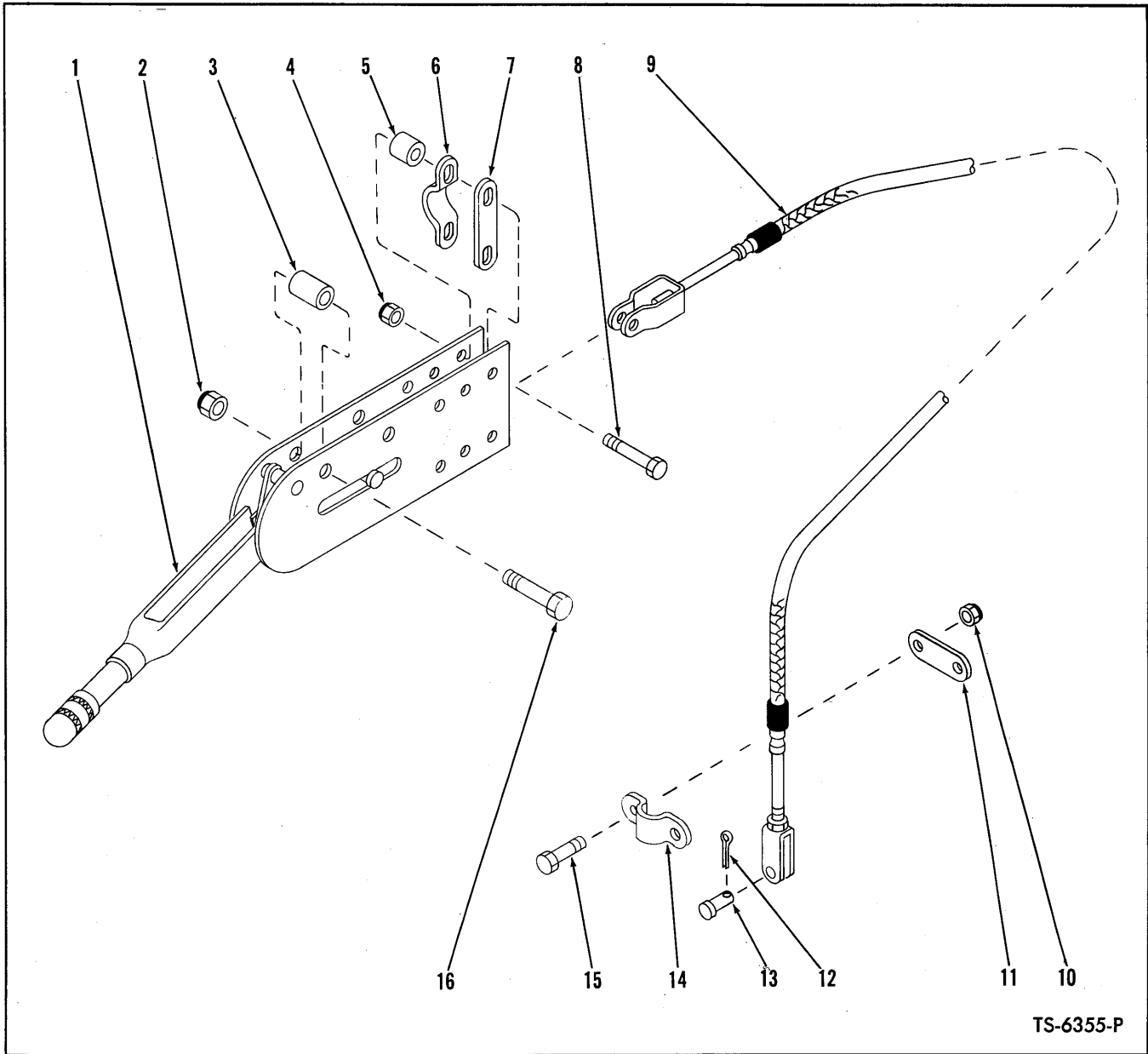
TS-3905-P

PARKING BRAKE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	215159	BRAKE ASSY (Inc. 1 thru 13)	1
1	43D-06	NUT, Pawl to Plate	2
2	801217	PLATE ASSY, Brake Backing (Inc. 1, 3, 4, 5)	1
3	801213	PAWL KIT, Brake (Inc. 1, 4, 5)	2
4	886718	BOLT, Pawl to Plate	2
5	801215	ROLLER, Brake Actuating	1
6	801216	LEVER, Operating Cam	1
7	-----	§SHOE, Brake — See 11	—
8	801214	LINING KIT, Brake (Inc. 9)	1
9	23H-504	RIVET, Lining to Shoe	20
10	801193	SPRING, Shoe Return	2
11	801192	SHOE ASSY, Brake (Inc. 7, 8, 9)	2
12	1C-916	BOLT, Brake Mounting	4
13	4E-09	LKWSHR, Brake Mounting	4

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



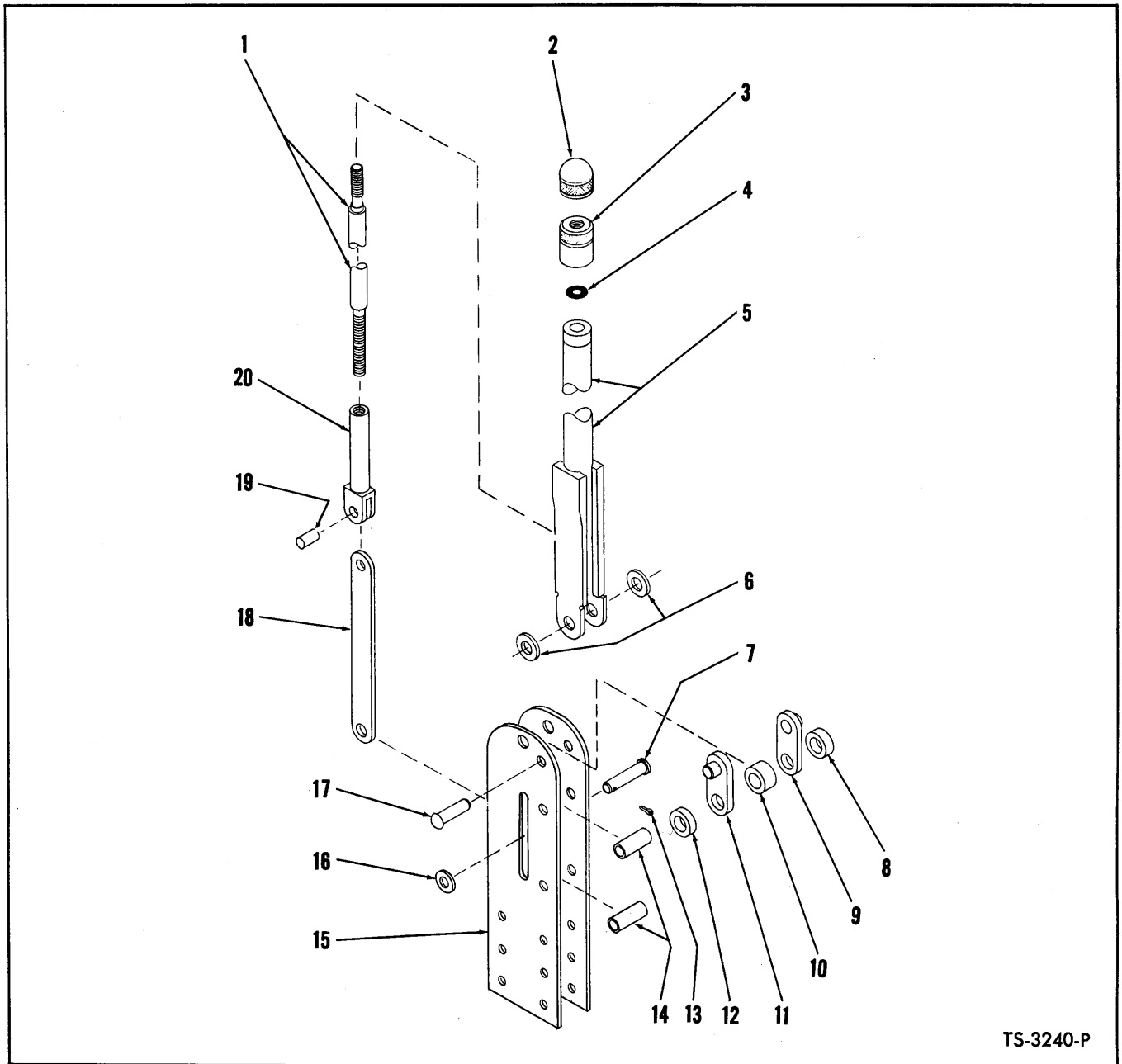
TS-6355-P

PARKING BRAKE CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	HAND BRAKE LEVER ASSY — See Index -----	—	8	24C-528	BOLT, Cable Clamp to Lever	2
2	18D-06	NUT, Lever Mounting	2	9	1531660	CABLE, Parking Brake	1
2A	545006	†SPACER, Lever Mounting	1	10	18D-05	NUT, Clamp	2
3	545005	SPACER, Lever Mounting	2	11	645092	LINK, Cable Clamp	1
4	18D-05	NUT, Cable Mounting	2	12	1F-312	COTTER, Clevis Pin	1
4A	545006	†SPACER, Lever Mounting	1	13	4F-06106	PIN, Cable Clevis	1
5	545006	SPACER, Cable Mounting	2	14	544512	CLAMP, Cable	1
6	544512	CLAMP, Cable	1	15	24C-520	BOLT, Cable Clamp to Lug	2
7	645092	LINK, Cable Clamp	1	16	24C-644	BOLT, Lever Mounting	2
				17	1531661	†BRACKET	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

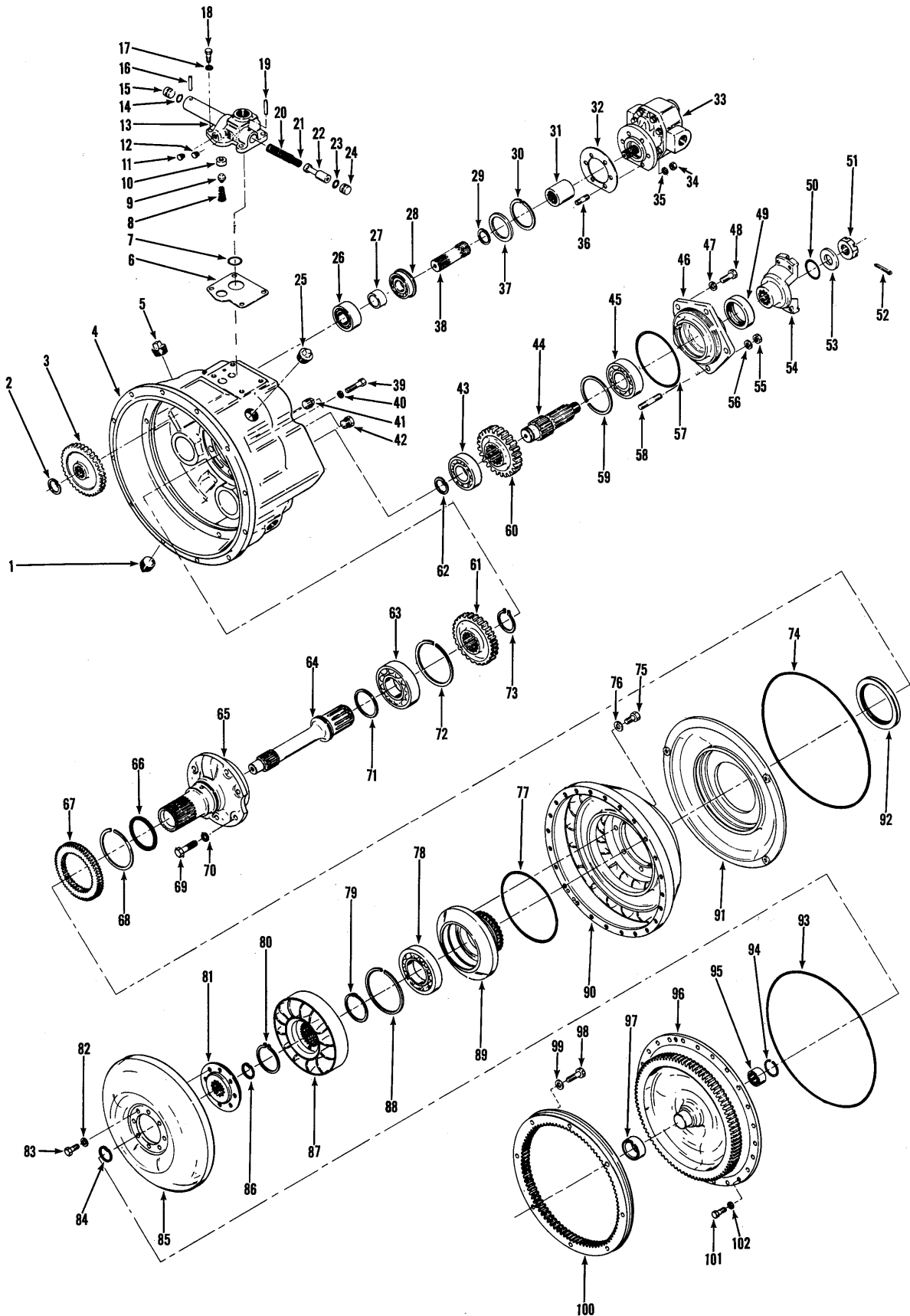


TS-3240-P

PARKING BRAKE LEVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	544998	LEVER ASSY (Inc. 1 thru 20) ...	1	10	862655	SPACER, Pivot Bracket	1
1	866349	SCREW, Adjusting	1	11	862653	BRACKET, Pivot	1
2	941227	CAP, Adjusting Knob	1	12	862656	SPACER, Pivot Bracket	1
3	941226	BASE, Adjusting Knob	1	13	1F-312	COTTER, Link Pivot Pin	1
4	25K-30012	O-RING	1	14	645095	SPACER, Mounting Bracket ...	2
5	866348	BODY, Brake Lever	1	15	944969	BRACKET, Lever Mounting	2
6	619024	WASHER, Body to Bracket	2	16	619019	WASHER, Link Pivot Pin	1
7	862738	PIN, Adjusting Screw Link Pivot	1	17	944054	RIVET, Pivot Bracket	1
8	862656	SPACER, Pivot Bracket	1	18	862652	LINK, Adjusting Screw	1
9	862653	BRACKET, Pivot	1	19	941238	PIN, Link to Tube	1
				20	944968	TUBE, Adjusting Screw	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TORQUE CONVERTER ASSEMBLY

TS-8081-P

TORQUE CONVERTER ASSEMBLY

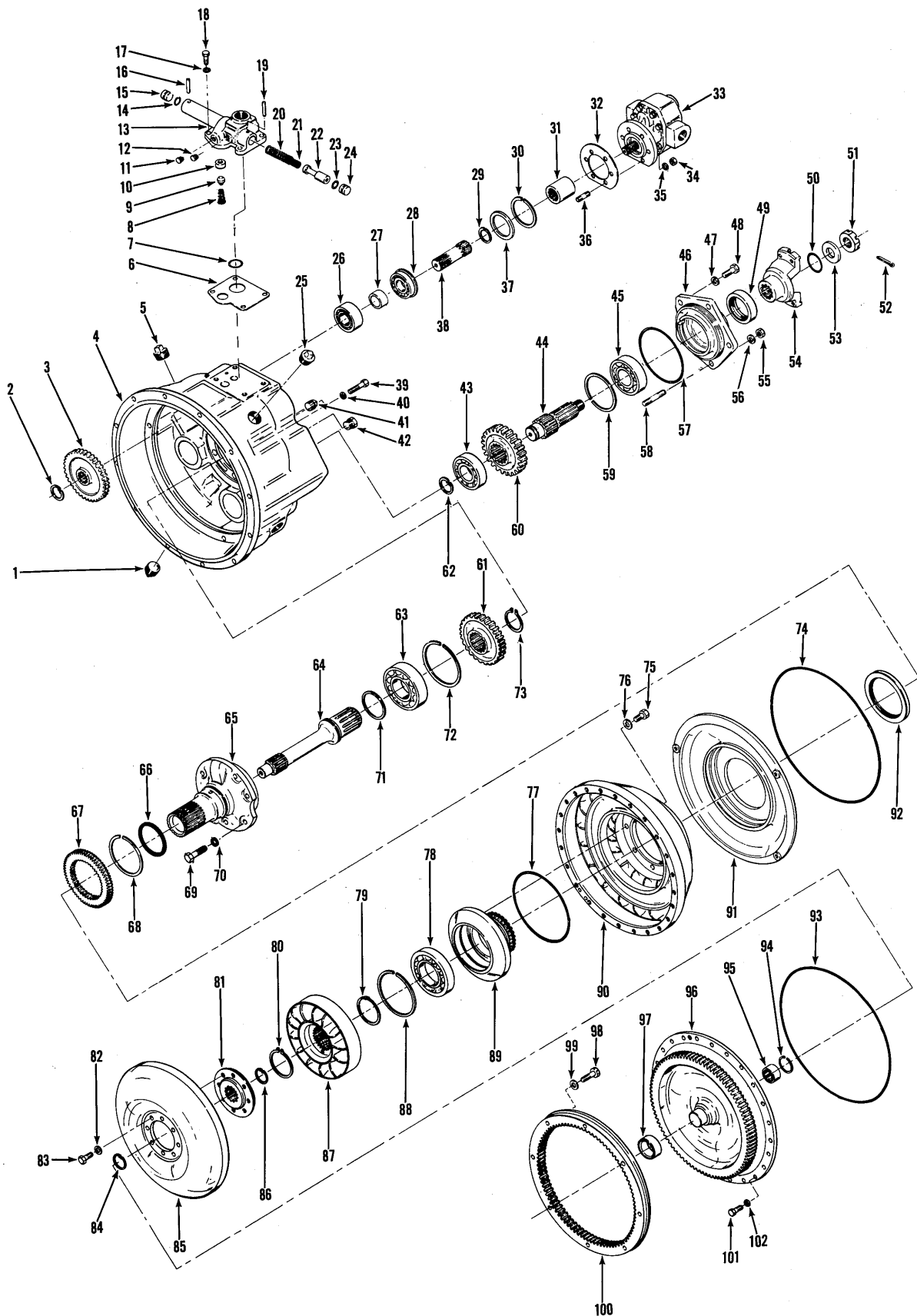
Item No.	Part No.	Description	No. Req'd.
A	282901	CONVERTER ASSY, Torque (C273T-53) (Inc. 1 thru 97, 100, 101, 102)	1
1	13F-16	PLUG, Pipe	1
2	711298	RING, Gear Retaining	3
3	214931	GEAR, Pump Drive (38T)	3
4	801546	HOUSING, Converter	1
5	13F-16	PLUG, Pipe	2
6	214949	GASKET, Regulating Valve to Converter	1
7	25K-40104	O-RING, Regulating Valve to Converter	1
8	222312	SPRING, Safety Valve	1
9	222318	PLUNGER, Safety Valve	1
10	214946	SEAT, Safety Valve	1
11	40K-02	PLUG, Valve Housing	1
12	40K-02	PLUG, Valve Housing	1
13	214943	VALVE ASSY, Pressure Regulating (Inc. 10, 14, 15, 16, 19 thru 24)	1
14	25K-30018	O-RING, Piston Stop	1
15	220983	STOP, Piston	1
16	660178	PIN, Piston Stop	1
17	4E-06	LKWSHR, Valve to Converter	4
18	1C-616	BOLT, Valve to Converter	4
19	660178	PIN, Piston Stop	1
20	220981	SPRING, Valve — Outer	1
21	220982	SPRING, Valve — Inner	1
22		§ PISTON, Valve — See 13	—
23	25K-30018	O-RING, Piston Stop	1
24	220983	STOP, Piston	1
25	13F-16	PLUG, Pipe	1
26	214936	BEARING, Pump Drive Shaft	3
27	214930	SPACER, Pump Drive Shaft	3
28	214956	BEARING, Pump Drive Shaft	3
28A	214954	† RING, Bearing Retaining	3
29	224039	RING, Bearing Retaining	3
30	713186	RING, Washer Retaining	3
31	214961	SLEEVE, Pump Drive Adapter	1
32	551906	GASKET, Pump to Converter	1
33	450230	* PUMP, Converter Charging	1
34	8D-06	NUT, Pump Mounting	6
35	4E-06	LKWSHR, Pump Mounting	6
36	207647	STUD, Pump Mounting	6
37	214929	WASHER, Pump Drive Shaft	3
38	214928	SHAFT, Pump Drive	3
39	1C-628	BOLT, Baffle to Housing	3
40	4E-06	LKWSHR, Baffle to Housing	3
41	16F-08	PLUG, Pipe	1
42	40K-02	PLUG, Pipe	2
43	742056	BEARING, Output Shaft — Front	1
44	214937	SHAFT, Output	1
45	743439	BEARING, Output Shaft — Rear	1
46	214945	RETAINER & SEAL, Bearing — (Inc. 49)	1
47	4E-07	LKWSHR, Bearing Ret.	3
48	1C-720	BOLT, Bearing Retainer	3
49	206864	SEAL, Oil	1
50	25K-40112	O-RING, Flange	1
51	201951	NUT, Output Shaft	1
52	1F-424	PIN, Cotter	1
53	102745	WASHER, Output Shaft	1
54	214985	FLANGE, Companion (6-C)	1
55	8D-07	NUT, Bearing Retainer	2

§ Not Sold Separately

† Not Illustrated

* NOTE: When Converter Charging Pump replacement is required, only a new factory built and tested pump should be used. Proper operation of converter and transmission is dependent on an efficient charging pump. Damage possible by use of a field rebuilt pump can result in repair cost exceeding cost of a new pump alone.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TORQUE CONVERTER ASSEMBLY

TS-8081-P

TORQUE CONVERTER ASSEMBLY (Continued)

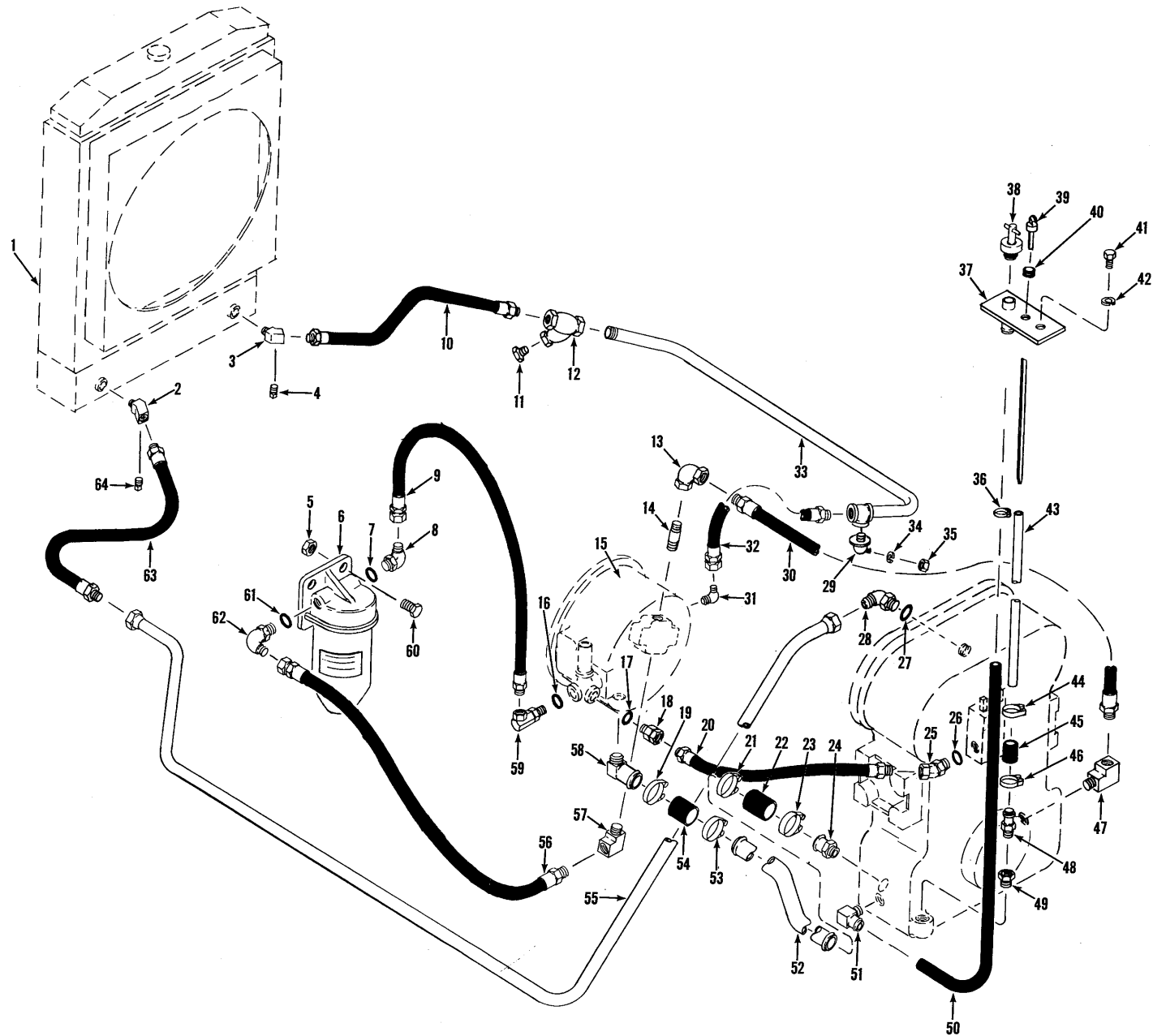
Item No.	Part No.	Description	No. Req'd.
56	4E-07	LKWSHR, Bearing Ret.	2
57	25K-40512	O-RING, Bearing Ret.	1
58	214730	STUD, Bearing Retainer	2
59	223901	RING, Bearing Retaining	1
60	214938	GEAR, Output Shaft (27T)	1
61	214935	GEAR, Turbine Shaft (28T)	1
62	214955	RING, Bearing Retaining	1
63	742002	BEARING, Turbine Shaft	1
64	214933	SHAFT, Turbine	1
65	214932	STATOR SUPPORT ASSY	1
66	221653	RING, Sealing	1
67	214951	GEAR, Impeller Hub	1
68	224009	RING, Gear Retaining	1
69	1C-820	BOLT, Support to Hsg.	6
70	7E-08	LKWSHR, Support to Hsg.	6
71	222079	RING, Turbine Shaft Sealing	1
72	214953	RING, Bearing Retaining	1
73	224026	RING, Gear Retaining	1
74	214939	O-RING, Oil Baffle	1
75	4C-714	BOLT, Hub to Impeller	8
75A	—	††LOCKWIRE, Impeller Hub Bolt (18 ga.)	—
76	619025	WASHER, Hub to Impeller	8
77	25K-40616	O-RING, Impeller Hub	1
78	214596	BEARING, Impeller Hub	1
79	214934	SPACER, Reaction Member	1
80	743035	RING, Reaction Member Retaining	1
81	214924	**HUB, Turbine	1
82	619023	WASHER, Turbine Hub	8
83	209313	BOLT, Turbine Hub	8
83A	—	††LOCKWIRE, Turbine Hub Bolt (18 ga.)	—
84	659065	RING, Turbine Hub Ret.	1
85	223833	**TURBINE	1
86	659065	RING, Turbine Hub Ret.	1
87	801608	MEMBER, Reaction	1
87A	658244	†PIN, Member to Spacer — Lock	1
88	214953	RING, Bearing Retaining	1
89	214958	HUB, Impeller	1
90	214959	IMPELLER	1
91	214925	BAFFLE, Oil	1
92	214941	SEAL, Oil Baffle	1
93	214939	O-RING, Impeller to Cover	1
94	666542	RING, Bearing Retaining	1
95	214988	BEARING, Impeller Cover	1
96	214922	COVER, Impeller	1
97	222006	SLEEVE, Impeller Cover	1
98	224795	BOLT, Gear to Flywheel	8
98A	—	†LOCKWIRE, Impeller Bolt (18 ga. 20' lg.)	4
99	215909	WASHER, Gear to Flywheel	8
100	215264	GEAR, Converter Drive	1
101	1C-616	BOLT, Impeller to Cover	24
102	4E-06	LKWSHR, Impeller to Cover	24
103	23C-620	†BOLT, Converter to Flywheel Housing	12
104	4E-06	†LKWSHR, Converter to Flywheel Housing	12

†Not Illustrated

‡As Required

*NOTE: Machine Serial 401A108 thru 401A111, 401A113 thru 401A123 received a one piece Turbine Assembly. If replacement becomes necessary, service with items 81 thru 86.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

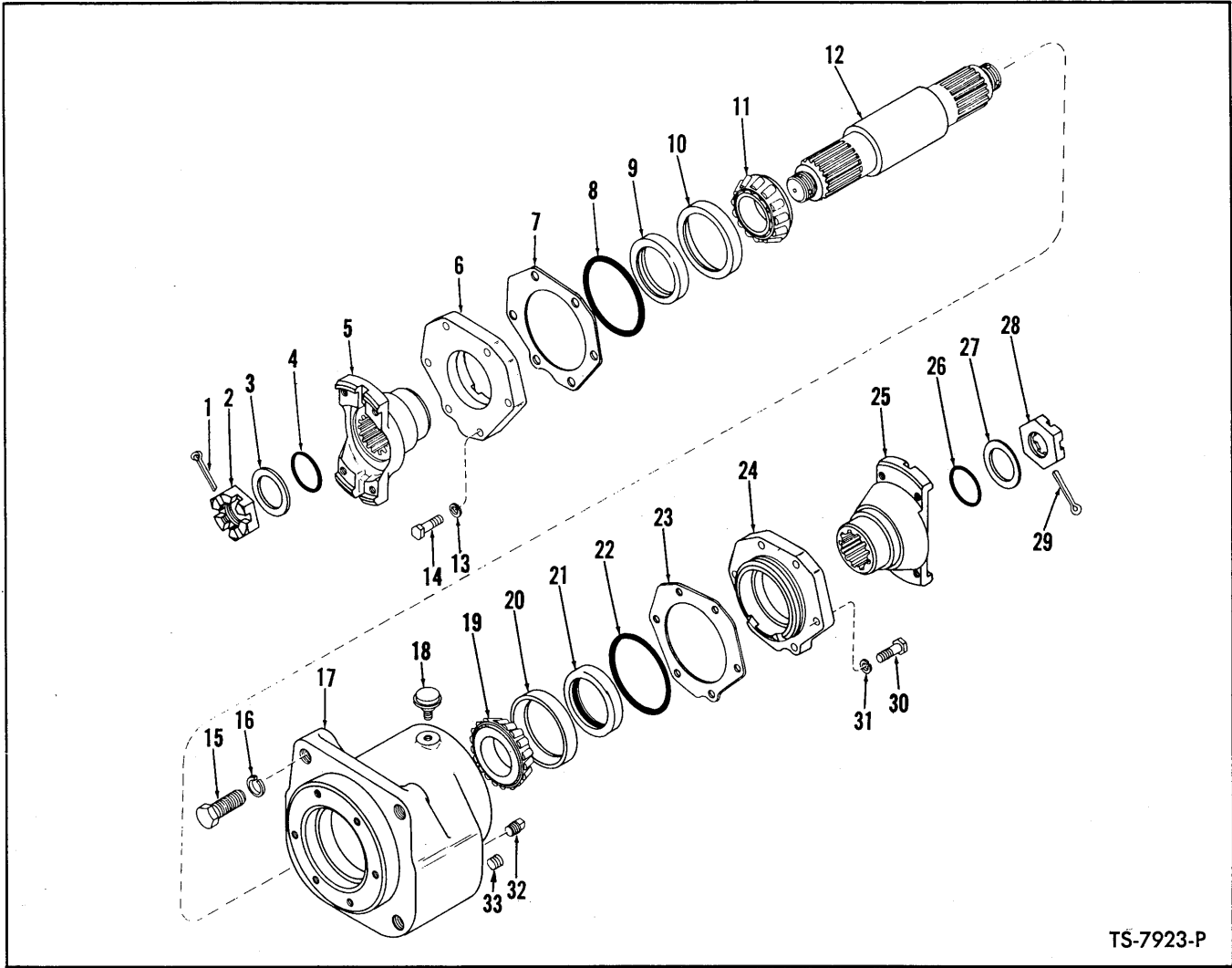
TS-9059-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR ASSY — See Index	1	30	1531403	HOSE, Trans. to Converter	1
2	1529949	ELBOW, Hose to Radiator	1	31	18K-8	ELBOW, Hose to Converter ..	1
3	1529949	ELBOW, Hose to Radiator	1	32	1531419	HOSE, Pipe to Converter	1
4	40K-02	PLUG, Elbow	2	33	1532806	PIPE, Cooler Inlet	1
5	18D-06	NUT, Filter Mounting	4	33A	24C-620	† BOLT, Pipe to Frame	2
6	1533614	FILTER, Trans. & Converter (Inc. 6A)	1	33B	619024	† WASHER, Pipe to Frame	2
6A	215502	† CARTRIDGE KIT, Filter	1	33C	4E-06	† LKWSHR, Pipe to Frame	2
7	91F-8	O-RING, Elbow	1	34	14E-10	LKWSHR, Sender Unit	1
8	17K-8	ELBOW, Hose to Filter (Inc. 7) ..	1	35	14D-10	NUT, Sender Unit	1
9	1531419	HOSE, Filter to Converter	1	36	540103	CLAMP, Hose	2
10	559453	HOSE, Pipe to Radiator	1	37	568807	FILLER PLATE	1
10A	36F-5	† ADAPTER, Hose to Strainer ..	1	38	568824	PLUG, Filler	1
11	40K-06	PLUG, Strainer	1	39	1504638	DIPSTICK, Oil Level	1
12	1532819	STRAINER, Oil (Inc. 12A)	1	40	560640	GROMMET, Dipstick Tube	1
12A	946943	† SCREEN, Strainer	1	41	23C-616	BOLT, Filler Plate	2
13	32F-6	ELBOW, Hose to Pump	1	42	4E-06	LKWSHR, Filler Plate	2
14	5K-828	NIPPLE, Pipe	1	43	1504636	TUBE, Dipstick	1
15	-----	TORQUE CONVERTER ASSY — See Index	1	44	521874	CLAMP, Hose to Tube	1
15A	211433	† BREATHER, Torque Converter ..	1	45	743563	HOSE, Tube to Nipple (3' lg.)	1
15B	227265	† VALVE, Breather Check	1	46	521874	CLAMP, Hose to Nipple	1
16	91F-8	O-RING, Elbow	1	47	29F-5	ELBOW, Hose to Trans.	1
17	91F-6	O-RING, Adapter	1	48	666865	NIPPLE, Hose	1
18	690279	ADAPTER, Hose to Converter (Inc. 17)	1	49	356618	BUSHING, Reducing	1
19	540103	CLAMP, Hose to Nipple	1	50	1504635	HOSE, Filler	1
20	1524878	HOSE, Control Valve to Converter	1	51	666846	NIPPLE, Filler Hose	1
21	540103	CLAMP, Hose to Tube	1	52	1503853	TUBE, Converter Drain	1
22	529979	HOSE, Tube to Nipple	1	53	540103	CLAMP, Hose to Tube	1
23	540103	CLAMP, Hose to Nipple	1	54	529979	HOSE, Tube to Nipple	1
24	667289	NIPPLE, Hose to Trans.	1	55	1531395	TUBE, Cooler Return	1
25	574290	ADAPTER, Hose to Valve (Inc. 26)	1	56	1521083	HOSE, Converter to Filter	1
26	91F-6	O-RING, Adapter	1	57	29F-4	ELBOW, Hose to Pump	1
27	91F-8	O-RING, Elbow	1	58	666846	NIPPLE, Hose	1
28	17K-8	ELBOW, Tube to Trans. (Inc. 27)	1	59	526676	ELBOW, Hose to Converter (Inc. 16)	1
29	551323	SENDER, Converter Temperature	1	60	24C-624	BOLT, Filter Mounting	4
				61	91F-8	O-RING, Elbow	1
				62	17K-8	ELBOW, Hose to Filter (Inc. 61)	1
				63	1531401	HOSE, Tube to Radiator	1
				64	40K-02	PLUG, Elbow	2

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



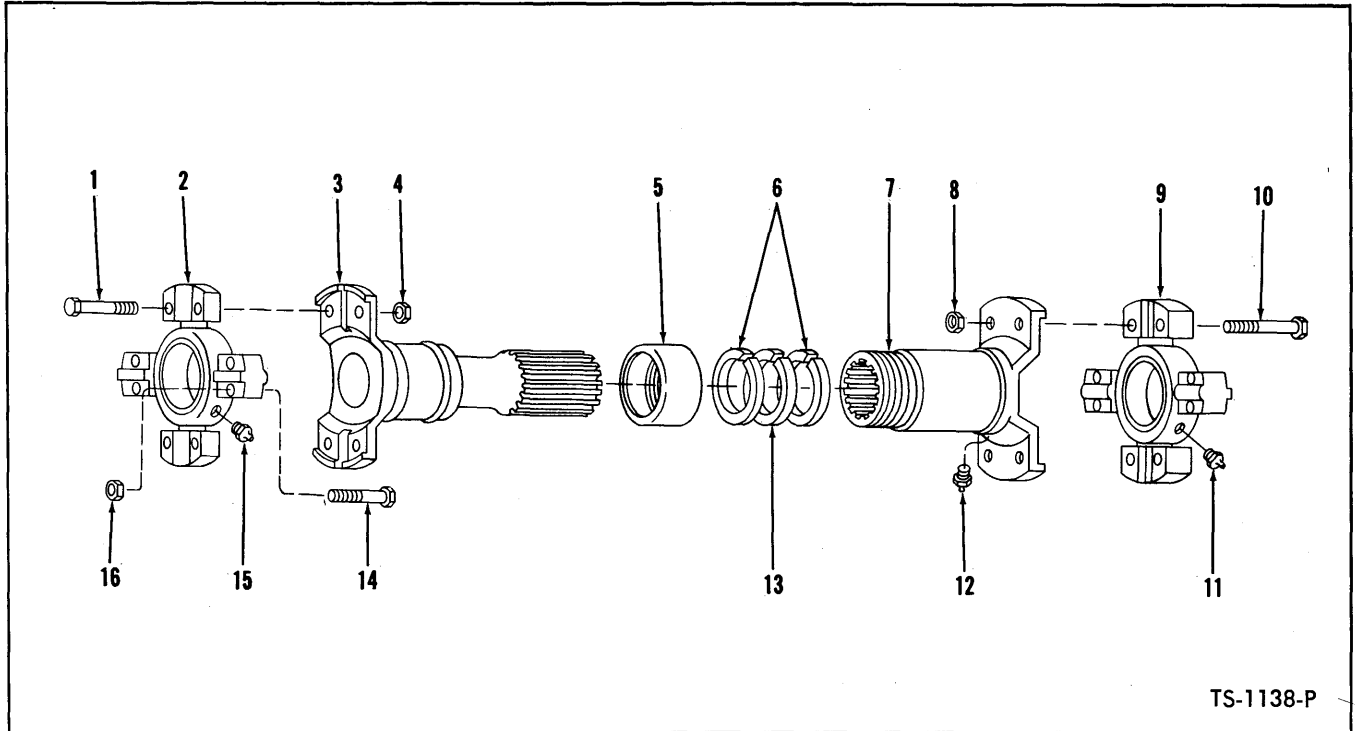
TS-7923-P

MID-MOUNT BEARING ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	230553	BEARING ASSY, Mid-Mount (Inc. 1 thru 14, 17 thru 33)	1	17	230529	HOUSING, Bearing	1
1	1F-436	COTTER, Flange Pin	1	18	211433	BREATHER, Bearing	1
2	205928	NUT, Flange	1	19	654141	CONE, Bearing	1
3	222179	WASHER, Flange	1	20	856250	CUP, Bearing	1
4	25K-60116	O-RING, Flange	1	21	225823	SEAL, Brg. Cap	1
5	222233	FLANGE	1	22	25K-40308	O-RING, Brg. Cap	1
6	230690	CAP, Bearing	1	23	217566	‡SHIM, Brg. Cap (.004)	—
7	217566	‡SHIM, Brg. Cap (.004)	—	23A	217567	‡SHIM, Brg. Cap (.007)	—
7A	217567	‡SHIM, Brg. Cap (.007)	—	23B	217568	‡SHIM, Brg. Cap (.010)	—
7B	217568	‡SHIM, Brg. Cap (.010)	—	24	217565	CAP, Bearing	1
8	25K-40308	O-RING, Brg. Cap	1	25	222233	FLANGE	1
9	225823	SEAL, Brg. Cap	1	26	25K-60116	O-RING, Flange	1
10	856250	CUP, Bearing	1	27	222179	WASHER, Flange	1
11	654141	CONE, Bearing	1	28	205928	NUT, Flange	1
12	218504	SHAFT, Mid-Mt. Brg.	1	29	1F-436	COTTER, Flange Pin	1
13	4E-07	LKWSHR, Cap to Hsg.	4	30	1C-722	BOLT, Cap to Hsg.	4
14	1C-722	BOLT, Cap to Hsg.	4	31	4E-07	LKWSHR, Cap to Hsg.	4
15	23C-1040	BOLT, Brg. to Frame	4	32	13F-12	PLUG	1
16	4E-10	LKWSHR, Brg. to Frame	4	33	215757	PLUG, Drain	1

‡As Required

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

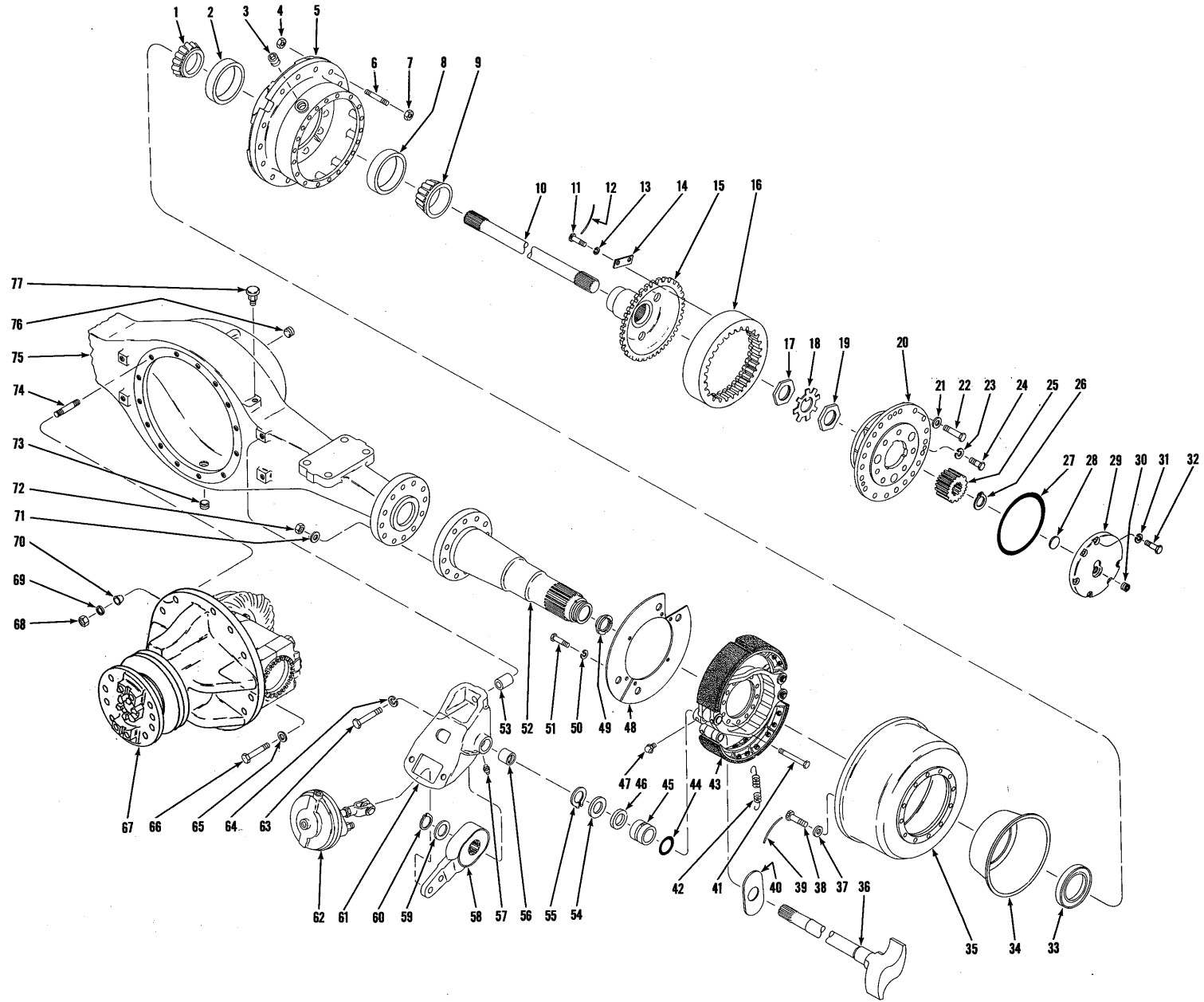


TS-1138-P

PROPELLER SHAFT ASSEMBLIES

Item No.	Description	Transmission to Rear Axle	Converter to Transmission	Mid Mount Bearing to Front Axle	Transmission to Mid Mount Bearing	No. Req'd.
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16)	549040	534174	513928	513928	1
1	BOLT, Spider & Bearing to Tube	940229	940089	940229	940229	4
2	SPIDER & BEARING ASSY	942735	944862	942735	942735	1
3	TUBE	945740	945057	946101	946101	1
4	NUT, Spider & Bearing to Tube	8D-08	8D-06	8D-08	8D-08	4
5	RETAINER, Felt	940250	940090	940250	940250	1
6	WASHER, Felt Retainer	940251	940091	940251	940251	2
7	SLIP YOKE (Inc. 12)	942734	940093	942734	942734	1
8	NUT, Spider & Bearing to Slip Yoke	8D-08	8D-06	8D-08	8D-08	4
9	SPIDER & BEARING ASSY	942735	944862	942735	942735	1
10	BOLT, Spider & Bearing to Slip Yoke	940229	940089	940229	940229	4
11	FITTING, Spider & Bearing Grease	944688	10H-35	10H-35	10H-35	1
12	FITTING, Slip Yoke Grease	10H-25	10H-25	10H-25	10H-25	1
13	FELT WASHER	942749	940092	942749	942749	1
14	BOLT, Spider & Bearing Attaching	940229	940089	940229	940229	8
15	FITTING, Spider & Bearing Grease	944688	10H-35	10H-35	10H-35	1
16	NUT, Spider & Bearing Attaching	8D-08	8D-06	8D-08	8D-08	8

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



[40]

AXLE ASSEMBLY — FRONT DRIVE

TS-7726-P

AXLE ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	190531	AXLE ASSY (Inc. 1 thru 47, 49, 52 thru 77)	1	45	107739	BUSHING, Brake Spider	2
1	774025	CONE, Inner Hub Bearing	2	46	11E-135	RETAINER, Cam Shaft Grease	2
2	774024	CUP, Inner Hub Bearing	2	47	12H-15	FITTING, Brake Spider Grease	2
3	119369	PLUG, Hub Filler	2	48	118041	*COVER, Brake Dust	4
4	121062	NUT, Wheel Stud	20	48A	112695	†*PLATE, Dust Cover	2
5	118383	HUB ASSY (Inc. 2, 8)	2	49	119853	RING, Sun Gear Thrust	2
6	120218	STUD, Wheel	20	50	4E-06	*LKWSHR, Dust Cover	8
7	103522	NUT, Wheel	20	51	18C-612	*BOLT, Dust Cover	4
8	742262	CUP, Outer Hub Bearing	2	51A	18C-616	*BOLT, Dust Cover	4
9	742263	CONE, Outer Hub Bearing	2	52	120604	SPINDLE	2
10	106234	SHAFT, Axle	2	53	110941	SPACER, Air Chamber Brk.	4
11	4C-820	BOLT, Hub to Gear	24	54	107736	WASHER, Cam Shaft	2
12	---	‡LOCKWIRE — 18 Gauge	—	55	660516	RING, Bushing Retaining	2
13	4E-08	LKWSHR, Hub to Gear	24	56	102189	BUSHING, Air Chamber Brk.	2
14	119214	PLATE, Hub to Gear Ret.	12	57	10H-25	FITTING, Air Chamber Brk.	2
15	119213	HUB, Internal Gear	2	58	107247	**ADJUSTER, Slack — B.W. #222485	2
16	119211	GEAR, Internal Ring	2	59	107010	WASHER, Slack Adjuster	2
17	110559	NUT, Spindle	2	60	659764	RING, Slack Adjuster Ret.	2
18	118786	LOCK, Spindle Nut	2	61	---	BRACKET ASSY, Air Chamber (Inc. 56)	—
19	110559	NUT, Spindle	2	61A	107632	RIGHT HAND	1
20	---	PLANET CARRIER — See Index	—	61B	107631	†LEFT HAND	1
21	106547	WASHER, Carrier to Hub	40	62	117697	**CHAMBER, Air — B.W. #279507 (Inc. 62A)	2
22	117225	BOLT, Carrier to Hub	40	62A	946213	†DIAPHRAGM, Air Chamber B.W. #234099	2
23	3E-09	LKWSHR, Planet Puller Hole	6	63	1C-1056	BOLT, Bracket to Housing	4
24	1C-908	BOLT, Planet Puller Hole	6	64	4E-10	LKWSHR, Bracket to Hsg.	4
25	117448	GEAR, Sun	2	65	106547	WASHER, Carrier to Hsg.	11
26	224023	RING, Sun Gear Retaining	2	66	17C-928	BOLT, Carrier to Housing	7
27	113292	O-RING, Thrust Cap	2	66A	17C-932	BOLT, Carrier to Housing	2
28	106457	WASHER, Sun Gear Thrust	2	66B	17C-940	BOLT, Carrier to Housing	2
29	815565	KIT, Sun Gear Thrust Cap (Inc. 27, 28, 30, 31)	2	67	---	DIFF. & CARRIER ASSY — See Index	—
30	11F-12	PLUG, Thrust Cap	2	67A	---	‡†PERMATEX #2 — Diff. & Carrier to Housing	—
31	112278	LKWSHR, Thrust Cap	12	68	64D-09	NUT, Carrier to Housing	3
32	1C-720	BOLT, Thrust Cap	12	69	106547	WASHER, Carrier to Housing	3
33	112412	SEAL, Hub Oil	2	70	112295	DOWEL, Carrier to Stud	3
34	117445	CATCHER, Oil	2	71	104412	WASHER, Brake & Spindle to Housing	20
35	118805	DRUM, Brake	2	72	106998	NUT, Brake & Spindle to Housing	20
36	---	CAM SHAFT, Brake	—	73	119469	PLUG, Housing Drain	1
36A	110939	RIGHT HAND	1	74	112294	STUD, Carrier to Housing	3
36B	110940	†LEFT HAND	1	75	120607	HOUSING, Axle	1
37	104412	WASHER, Drum to Hub	24	75A	12F-204	†PLUG, Housing Expansion	1
38	118381	BOLT, Drum to Hub	24	76	11F-12	PLUG, Housing Filler	1
39	---	‡LOCKWIRE, 18 Gauge	—	77	106656	BREATHING, Housing	1
40	107735	WASHER, Cam Shaft Thrust	2				
41	118349	BOLT, Brake & Spindle to Housing	20				
42	119650	SPRING, Brake Shoe Return	2				
43	---	BRAKE ASSY, Front — See Index	—				
44	25K-60124	O-RING, Cam Shaft	2				

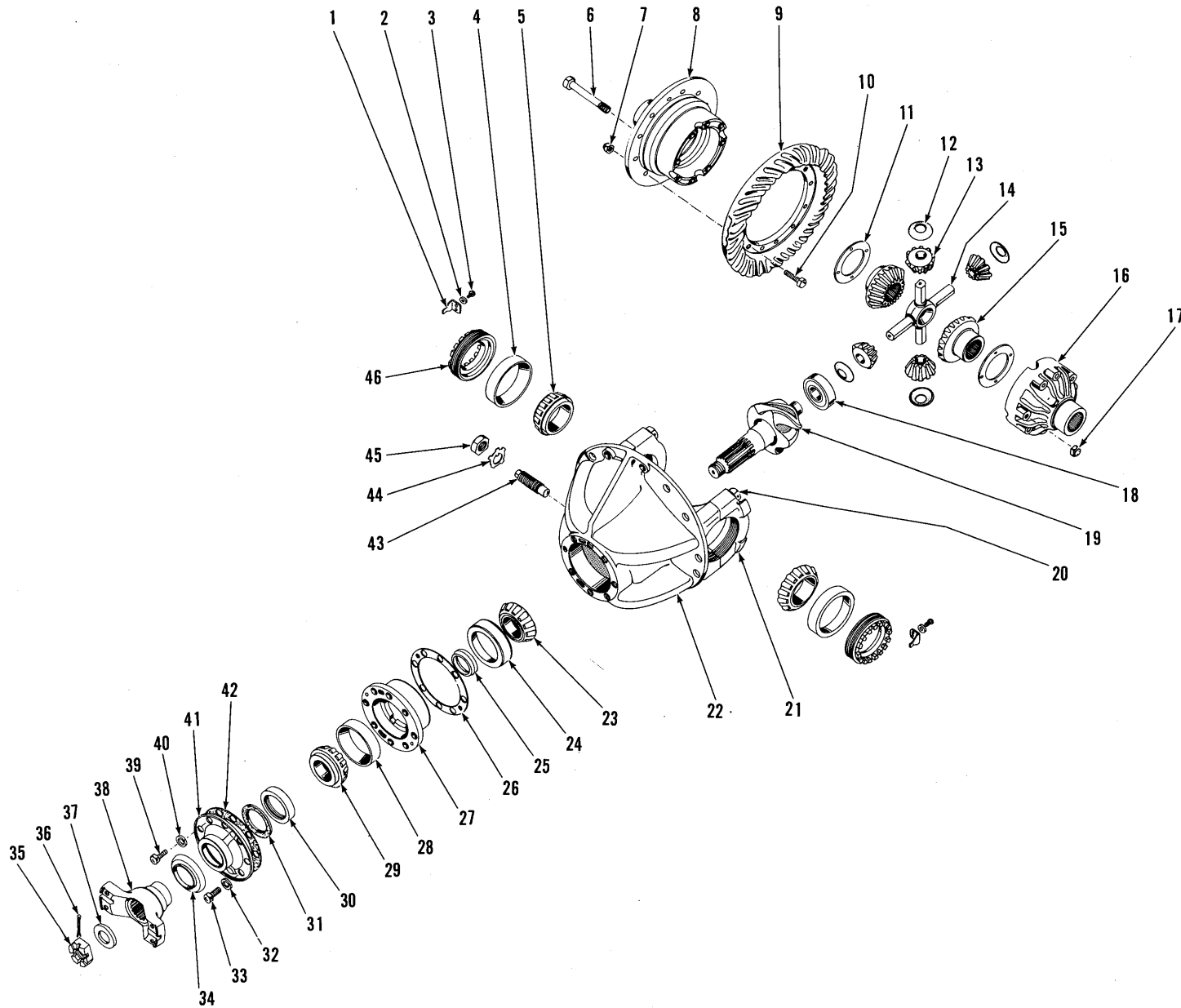
†Not Illustrated

‡As Required

*NOTE: Optional Equipment — Not furnished with machine.

**NOTE: Your Bendix-Westinghouse Distributor is equipped to service components of these parts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	118959	DIFF. & CARRIER ASSY (Inc. 1 thru 46)	1	26A	101219	‡‡SHIM, Bearing Cage — Medium	—
1	100941	LOCK, Adjusting Nut	2	26B	101220	‡‡SHIM, Bearing Cage — Thick	—
2	4E-06	LKWSHR, Adjusting Nut Lock	2	27	101211	CAGE, Outer Pinion Brg. (Inc. 24, 28)	1
3	3C-614	BOLT, Adjusting Nut Lock	2	28	675259	CUP, Outer Pinion Bearing ..	1
4	675252	CUP, Differential Bearing	2	29	675260	CONE, Outer Pinion Bearing ..	1
5	675254	CONE, Differential Bearing ..	2	30	111721	SEAL, Pinion Shaft Oil	1
6	118479	BOLT, Differential Case	8	31	101217	GASKET, Pinion Shaft Oil Seal	1
7	104168	NUT, Ring Gear	12	32	4E-10	LKWSHR, Oil Seal Retainer ..	7
8	-----	§DIFFERENTIAL CASE, Flange Half — See Item 50	1	33	1C-1032	BOLT, Oil Seal Retainer	7
9	-----	§RING GEAR — See Item 49 ..	1	34	101222	DEFLECTOR, Pinion Dust	1
10	101196	BOLT, Ring Gear	12	35	101223	NUT, Pinion Shaft	1
11	118478	WASHER, Side Gear Thrust ..	2	36	1F-740	COTTER, Pinion Shaft Nut	1
12	101204	WASHER, Differential Pinion Thrust	4	37	101224	WASHER, Pinion Shaft	1
13	815746	PINION KIT, Differential	1	38	108871	FLANGE, Companion	1
14	117105	SPIDER, Differential	1	39	1C-828	BOLT, Oil Seal Retainer Locating	1
15	106206	GEAR, Differential Side	2	40	4E-08	LKWSHR, Oil Seal Retainer Locating	1
16	-----	§DIFFERENTIAL CASE, Plain Half — See Item 50	1	41	101214	RETAINER, Oil Seal	1
17	110523	NUT, Differential Case	8	42	107483	GASKET, Oil Seal Retainer ..	1
18	675265	BEARING, Inner Pinion	1	43	121241	SCREW, Differential Thrust ..	1
19	-----	§PINION — See Item 49	—	44	-----	OMIT — Not Used	—
20	101210	BOLT, Carrier Cap	4	45	121242	NUT, Differential Thrust Screw	1
20A	111658	†WASHER, Carrier Cap	4	46	101213	NUT, Differential Adjusting ..	2
21	-----	§CAP, Differential Carrier — See Item 22	2	47	121243	†DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
22	815521	CARRIER ASSY, Differential (Inc. 20, 20A, 21)	1	48	121237	†DIFFERENTIAL BODY SUB-ASSY (Inc. 6, 8, 11 thru 17) ..	1
23	675263	CONE, Center Pinion Bearing ..	1	49	117693	†GEAR & PINION SET (Inc. 9, 19)	1
24	675262	CUP, Center Pinion Bearing ..	1	50	815737	†DIFFERENTIAL CASE KIT (Inc. 6, 8, 11, 12, 16, 17)	1
25	815200	SPACER KIT, Pinion Bearing ..	1				
26	101218	‡SHIM, Bearing Cage — Thin ..	—				

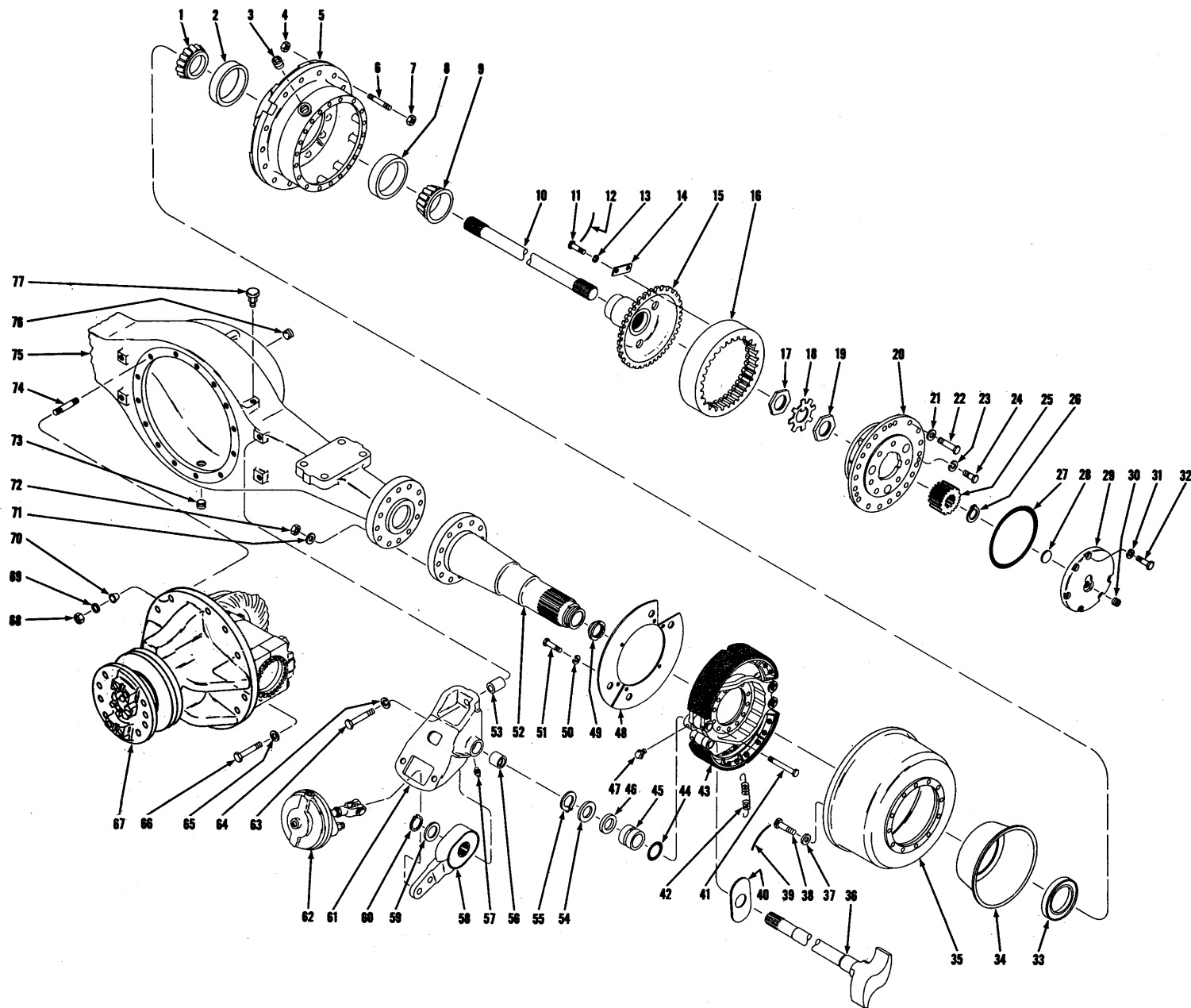
§Not Sold Separately

†Not Illustrated

‡As Required

*NOTE: 815521 Differential and Carrier Assembly also includes 1 — 101226 Thrust Screw, 1 — 101227 Thrust Screw Lock, 1 — 8D-18 Thrust Screw Nut, 3 — 64D-09 Stud Nut, 7 — 17C-928 Carrier Bolt, 2 — 17C-932 Carrier Bolt, 2 — 17C-940 Carrier Bolt, 3 — 112294 Carrier Stud, 3 — 112295 Taper Dowel and 14 — 106547 Carrier Washer.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AXLE ASSEMBLY — REAR DRIVE

TS-7726-P

AXLE ASSEMBLY — REAR DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	190533	AXLE ASSY (Inc. 1 thru 47, 49, 52 thru 77)	1	44	25K-60124	O-RING, Cam Shaft	2
1	774025	CONE, Inner Hub Bearing	2	45	107739	BUSHING, Brake Spider	2
2	774024	CUP, Inner Hub Bearing	2	46	11E-135	RETAINER, Cam Shaft Grease	2
3	119369	PLUG, Hub Filler	2	47	12H-15	FITTING, Brake Spider Grease	2
4	121062	NUT, Wheel Stud	20	48	118041	*COVER, Brake Dust	4
5	118383	HUB ASSY (Inc. 2, 8)	2	48A	112695	†*PLATE, Dust Cover	2
6	120218	STUD, Wheel	20	49	119853	RING, Sun Gear Thrust	2
7	103522	NUT, Wheel	20	50	4E-06	*LKWSHR, Dust Cover	8
8	742262	CUP, Outer Hub Bearing	2	51	18C-612	*BOLT, Dust Cover	4
9	742263	CONE, Outer Hub Bearing	2	51A	18C-616	*BOLT, Dust Cover	4
10	106234	SHAFT, Axle	2	52	120604	SPINDLE	2
11	4C-820	BOLT, Hub to Gear	24	53	110941	SPACER, Air Chamber Brk.	4
12	-----	‡LOCKWIRE — 18 Gauge	—	54	107736	WASHER, Cam Shaft	2
13	4E-08	LKWSHR, Hub to Gear	24	55	660516	RING, Bushing Retaining	2
14	119214	PLATE, Hub to Gear Ret.	12	56	102189	BUSHING, Air Chamber Brk.	2
15	119213	HUB, Internal Gear	2	57	10H-25	FITTING, Air Chamber Brk.	2
16	119211	GEAR, Internal Ring	2	58	107247	**ADJUSTER, Slack — B.W. #222485	2
17	110559	NUT, Spindle	2	59	107010	WASHER, Slack Adjuster	2
18	118786	LOCK, Spindle Nut	2	60	659764	RING, Slack Adjuster Ret.	2
19	110559	NUT, Spindle	2				
20	-----	PLANET CARRIER — See Index	—	61		BRACKET ASSY, Air Chamber (Inc. 56)	
21	106547	WASHER, Carrier to Hub	40	61A	107632	LEFT HAND	1
22	117225	BOLT, Carrier to Hub	40	61B	107631	†RIGHT HAND	1
23	3E-09	LKWSHR, Planet Puller Hole	6	62	117697	**CHAMBER, Air — B.W. #279507 (Inc. 62A)	2
24	1C-908	BOLT, Planet Puller Hole	6	62A	946213	†DIAPHRAGM, Air Chamber	2
25	117448	GEAR, Sun	2	63	1C-1056	BOLT, Bracket to Housing	4
26	224023	RING, Sun Gear Retaining	2	64	4E-10	LKWSHR, Bracket to Hsg.	4
27	113292	O-RING, Thrust Cap	2	65	106547	WASHER, Carrier to Hsg.	11
28	106457	WASHER, Sun Gear Thrust	2	66	17C-928	BOLT, Carrier to Housing	7
29	815565	KIT, Sun Gear Thrust Cap (Inc. 27, 28, 30, 31)	2	66A	17C-932	BOLT, Carrier to Housing	2
30	11F-12	PLUG, Thrust Cap	2	66B	17C-940	BOLT, Carrier to Housing	2
31	112278	LKWSHR, Thrust Cap	12	67	-----	DIFF. & CARRIER ASSY — See Index	—
32	1C-720	BOLT, Thrust Cap	12	67A	-----	‡†PERMATEx #2 — Diff. & Carrier to Housing	—
33	112412	SEAL, Hub Oil	2	68	64D-09	NUT, Carrier to Housing	3
34	117445	CATCHER, Oil	2	69	106547	WASHER, Carrier to Housing	3
35	118805	DRUM, Brake	2	70	112295	DOWEL, Carrier to Stud	3
36		CAM SHAFT, Brake		71	104412	WASHER, Brake & Spindle to Housing	20
36A	110939	LEFT HAND	1	72	106998	NUT, Brake & Spindle to Housing	20
36B	110940	†RIGHT HAND	1	73	119469	PLUG, Housing Drain	1
37	104412	WASHER, Drum to Hub	24	74	112294	STUD, Carrier to Housing	3
38	118381	BOLT, Drum to Hub	24	75	120607	HOUSING, Axle	1
39	-----	‡LOCKWIRE, 18 Gauge	—	75A	12F-204	†PLUG, Housing Expansion	1
40	107735	WASHER, Cam Shaft Thrust	2	76	11F-12	PLUG, Housing Filler	1
41	118349	BOLT, Brake & Spindle to Housing	20	77	106656	BREATHER, Housing	1
42	119650	SPRING, Brake Shoe Return	2				
43	-----	BRAKE ASSY, Rear — See Index	—				

†Not Illustrated

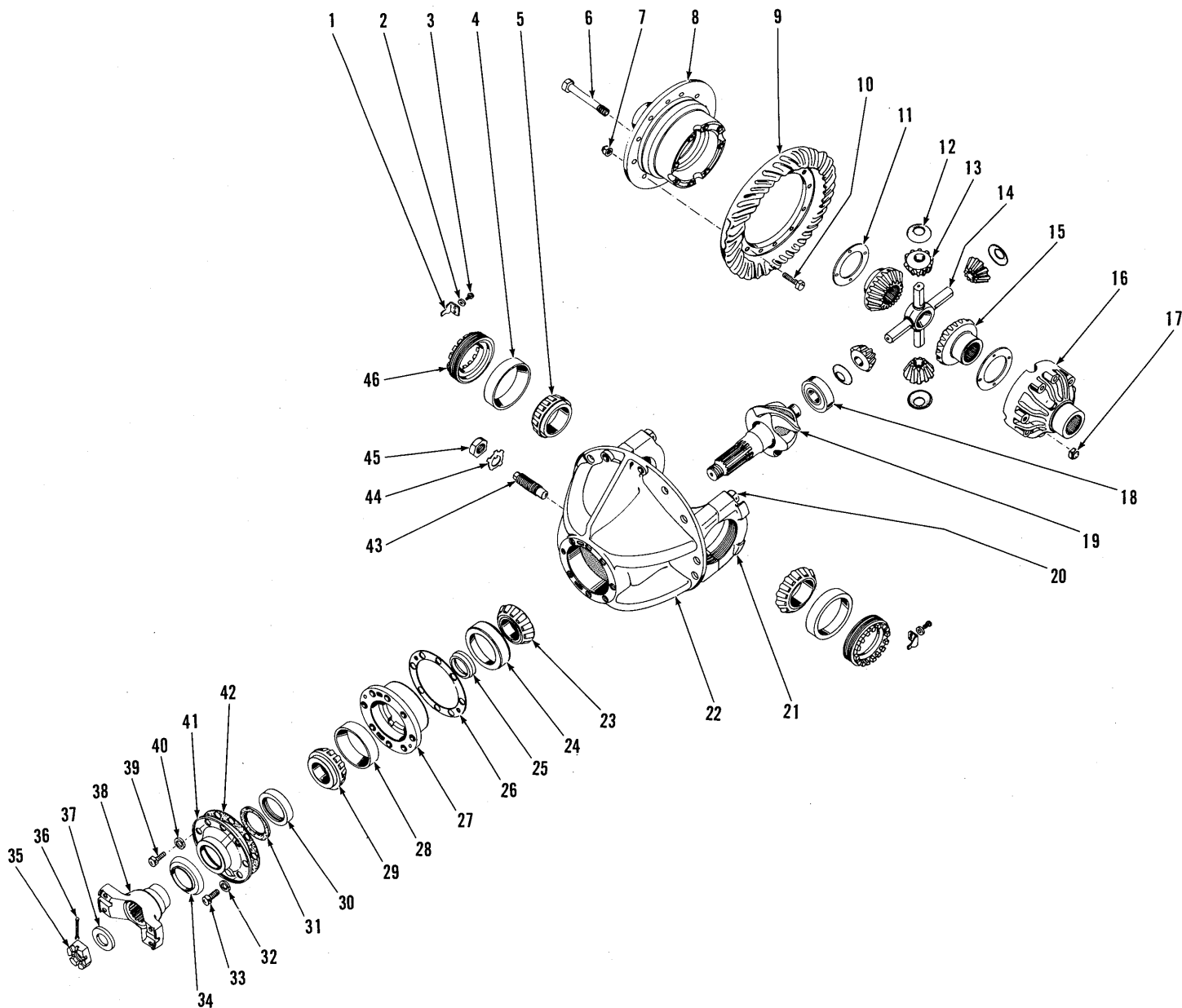
§Not Sold Separately

‡As Required

*NOTE: Optional Equipment — Not furnished with machine.

**NOTE: Your Bendix-Westinghouse Distributor is equipped to service components of these parts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	118511	DIFF. & CARRIER ASSY (Inc. 1 thru 46)	1	26	114351	‡SHIM, Brg. Cage — Thin	—
1	100941	LOCK, Adjusting Nut	2	26A	114352	‡‡SHIM, Brg. Cage — Medium	—
2	4E-06	LKWSHR, Adjusting Nut	2	26B	114353	‡‡SHIM, Brg. Cage — Thick	—
3	3C-614	BOLT, Adjusting Nut Lock	2	27	101211	CAGE, Outer Pinion Brg. (Inc. 24, 28)	1
4	675252	CUP, Differential Bearing	2	28	675259	CUP, Outer Pinion Brg.	1
5	675254	CONE, Differential Bearing	2	29	675260	CONE, Outer Pinion Brg.	1
6	118479	BOLT, Differential Case	8	30	111721	SEAL, Pinion Shaft Oil	1
7	104168	NUT, Ring Gear	12	31	101217	GASKET, Pinion Oil Seal	1
8	-----	§DIFFERENTIAL CASE, Flange Half — See Item 50	1	32	4E-10	LKWSHR, Seal Retainer	7
9	-----	§RING GEAR — See Item 49	1	33	1C-1032	BOLT, Oil Seal Retainer	7
10	101196	BOLT, Ring Gear	12	34	101222	DEFLECTOR, Pinion Dust	1
11	118478	WASHER, Side Gear Thrust	2	35	101223	NUT, Pinion Shaft	1
12	101204	WASHER, Diff. Pinion Thrust	4	36	1F-740	COTTER, Pinion Shaft Nut	1
13	815746	PINION KIT, Differential	1	37	101224	WASHER, Pinion Shaft	1
14	117105	SPIDER, Differential	1	38	108871	FLANGE, Companion	1
15	106206	GEAR, Differential Side	2	39	1C-828	BOLT, Oil Seal Retainer	1
16	-----	§DIFFERENTIAL CASE, Plain Half — See Item 50	1	40	4E-08	LKWSHR, Oil Seal Retainer	1
17	110523	NUT, Differential Case	8	41	101214	RETAINER, Oil Seal	1
18	675265	BEARING, Inner Pinion	1	42	107483	GASKET, Oil Seal Retainer	1
19	-----	§PINION — See Item 49	—	43	101226	SCREW, Differential Thrust	1
20	101210	BOLT, Carrier Cap	4	44	101227	LOCK, Diff. Thrust Screw	1
20A	111658	†WASHER, Carrier Cap	4	45	8D-18	NUT, Diff. Thrust Screw	1
21	-----	§CAP, Differential Carrier — See Item 22	2	46	101213	NUT, Diff. Adjusting	2
22	815521	*CARRIER ASSY, Differential (Inc. 20, 20A, 21)	1	47	118515	†DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
23	675263	CONE, Center Pinion Brg.	1	48	118504	†DIFFERENTIAL BODY SUB-ASSY (Inc. 6, 8, 11 thru 17)	1
24	675262	CUP, Center Pinion Brg.	1	49	116632	†GEAR & PINION SET (Inc. 9, 19)	1
25	815200	SPACER KIT, Pinion Brg.	1	50	815737	†DIFFERENTIAL CASE KIT (Inc. 6, 8, 11, 12, 16, 17)	1

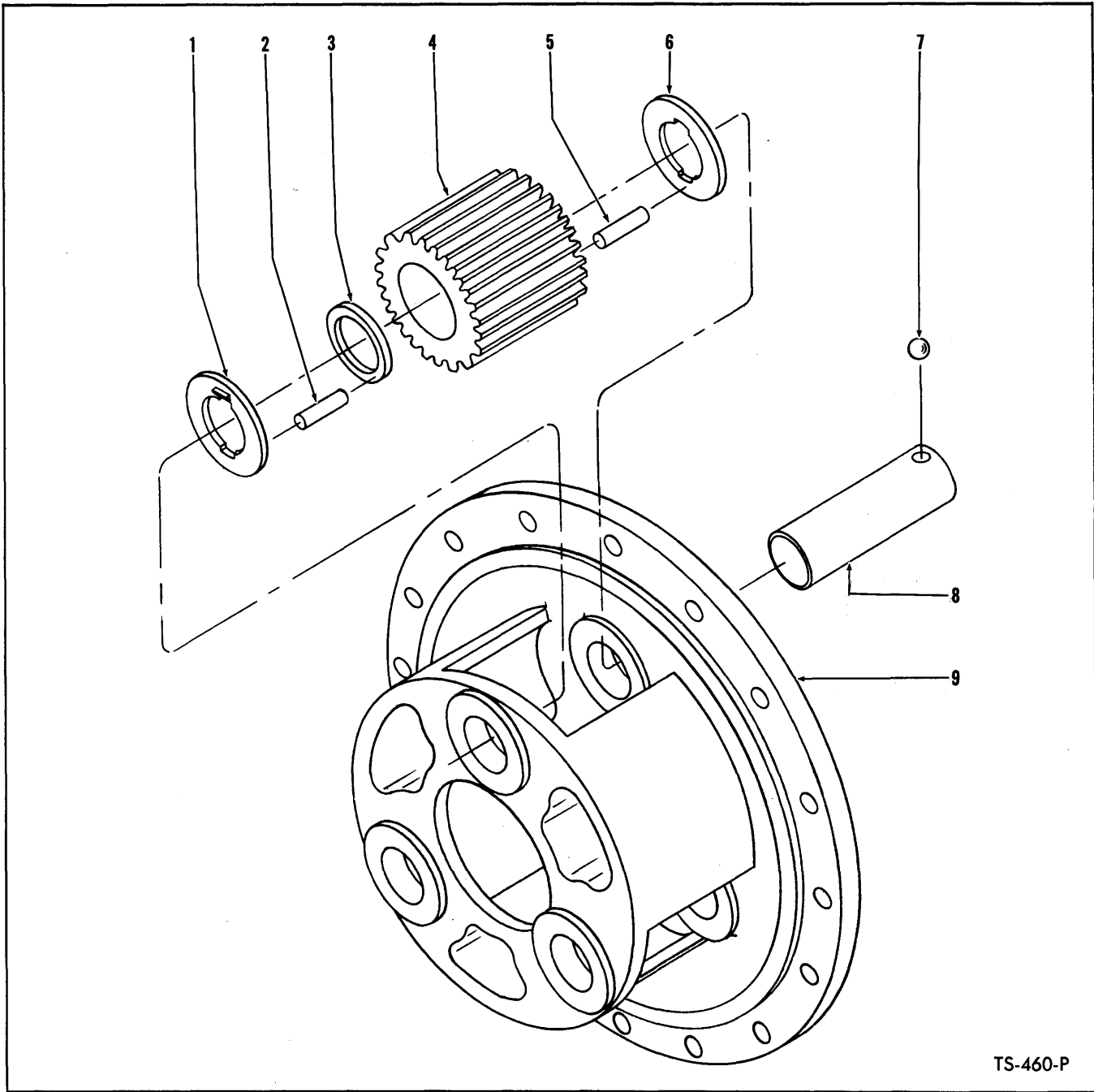
§Not Sold Separately

†Not Illustrated

‡As Required

*NOTE: 815521 Carrier Assembly also includes 1 — 101226 Thrust Screw, 1 — 101227 Thrust Screw Lock, 1 — 8D-18 Thrust Screw Nut, 3 — 64D-09 Stud Nut, 7 — 17C-928 Carrier Bolt, 2 — 17C-932 Carrier Bolt, 2 — 17C-940 Carrier Bolt, 3 — 112294 Carrier Stud, 3 — 112295 Taper Dowel and 14 — 106547 Carrier Washer.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

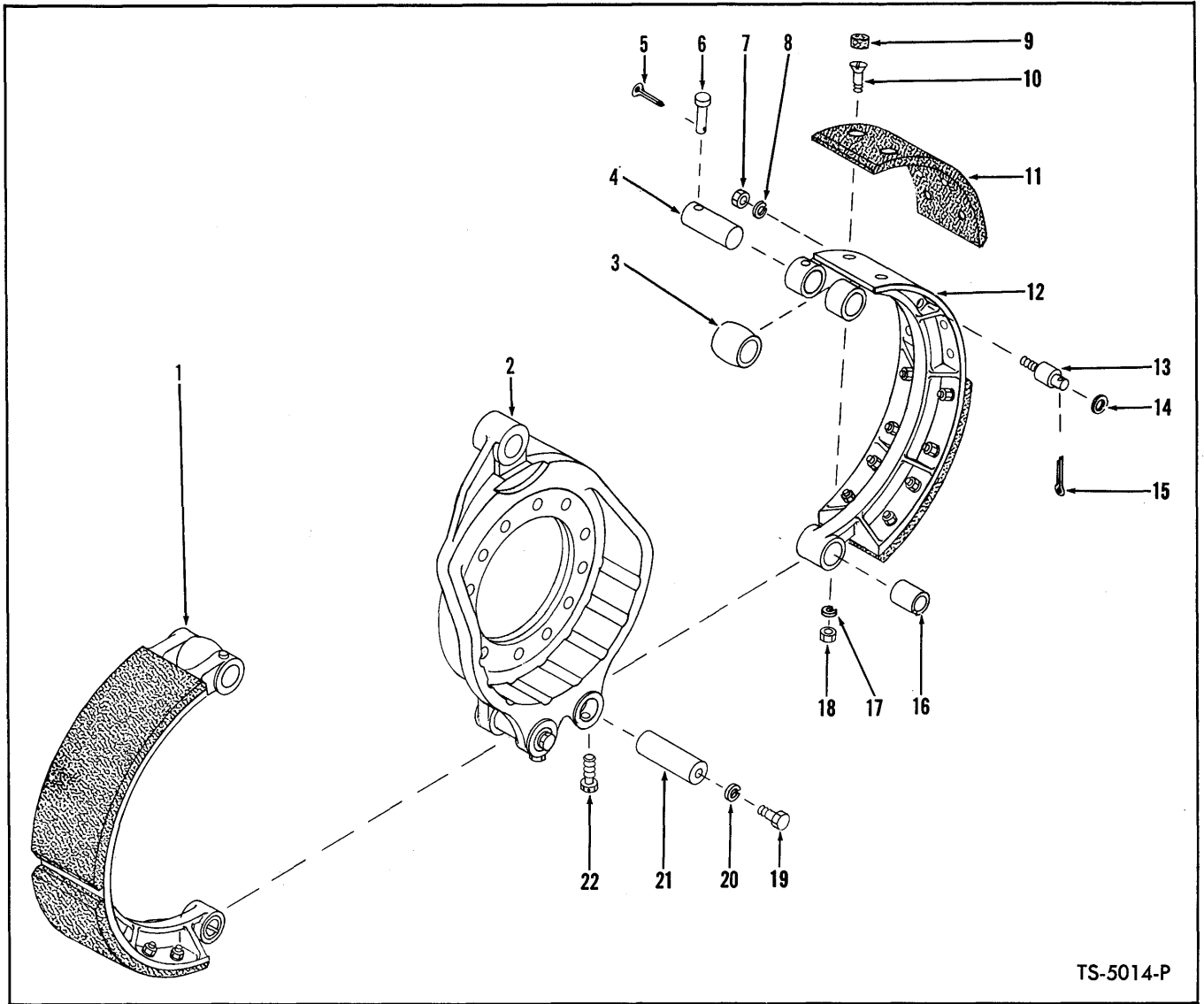


TS-460-P

PLANET CARRIER ASSEMBLY – FRONT AND REAR

Item No.	Part No.	Description	No. Req'd.
A	119021	CARRIER ASSY (Inc. 1 thru 9)	4
NOTE: Two Carriers are used on axle – Quantities listed below are for (1) Carrier.			
1	106357	WASHER, Pinion Thrust	3
2	106358	ROLLER, Pinion	75
3	106359	SPACER, Pinion Roller	3
4	116584	PINION	3
5	106358	ROLLER, Pinion	75
6	106357	WASHER, Pinion Thrust	3
7	10J-12	BALL, Pinion Shaft Lock	3
8	106355	SHAFT, Pinion	3
9	117505	CARRIER, Planet	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



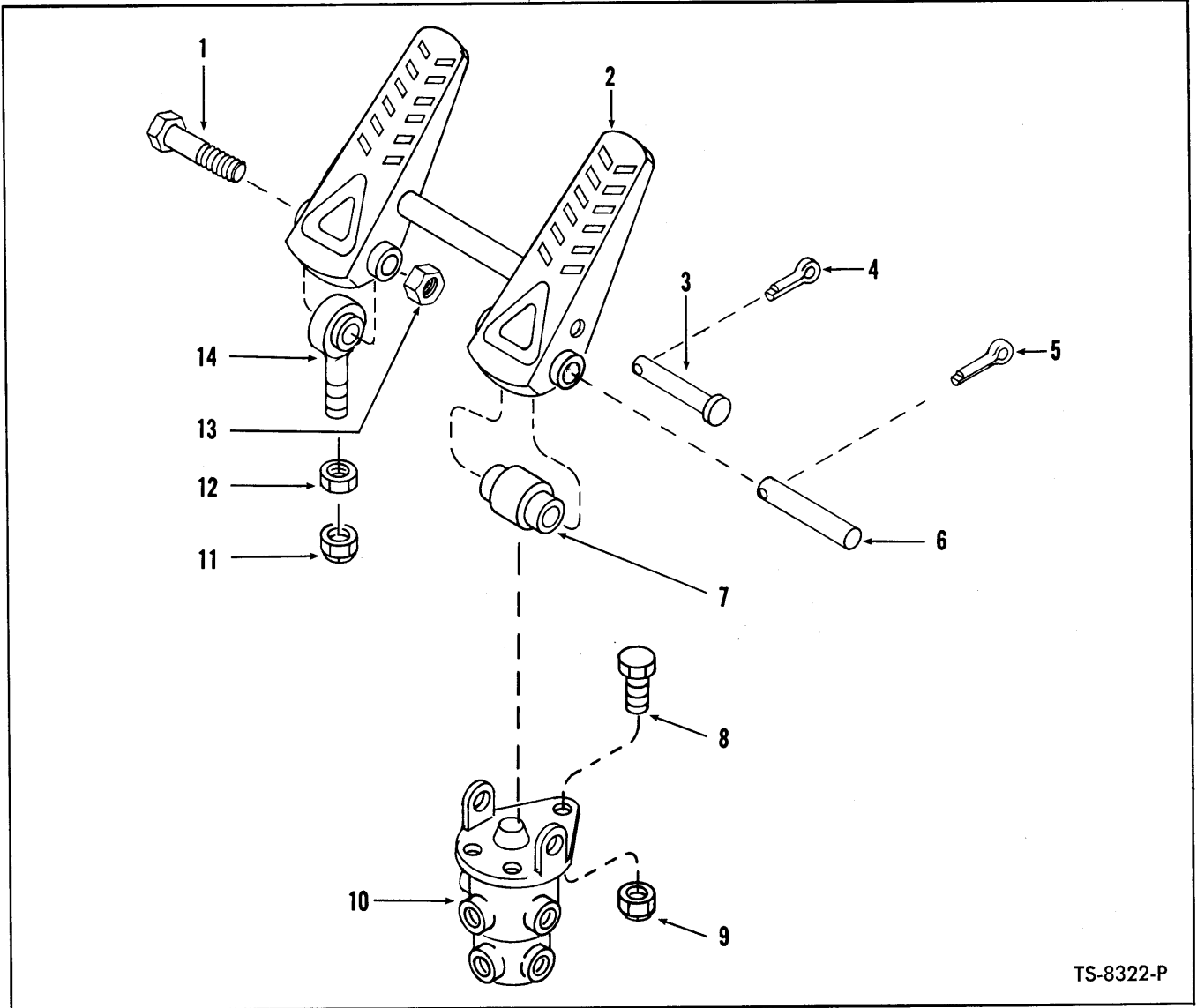
TS-5014-P

BRAKE ASSEMBLY — FRONT AND REAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	120605	BRAKE ASSY (Inc. 1 thru 13, 16 thru 22)	4	10	111439	BOLT, Lining to Shoe	32
<p>NOTE: Four Brakes are used on machine — Quantities listed below are for 1 Brake.</p>				11		LINING, Brake Shoe	
1	114299	SHOE ASSY, Brake (Inc. 3 thru 6, 9 thru 12, 16 thru 18)	2	11A	114301	STANDARD	4
2	113481	SPIDER, Brake	1	11B	114302	OVERSIZE (1/8")	4
3	112210	ROLLER, Brake Cam	2	12		§SHOE, Brake — See 1	2
4	112211	PIN, Brake Cam Roller	2	13	112216	PIN, Spring Anchor	2
5	1F-308	COTTER, Roller Pin Lock	2	14	619027	WASHER, Spring Anchor Pin	2
6	110855	PIN, Cam Roller Pin Lock	2	15	1F-412	COTTER, Spring Anchor Pin	2
7	62D-06	NUT, Spring Anchor Pin	2	16	112212	BUSHING, Brake Shoe	2
8	4E-06	LKWSHR, Spring Anchor Pin	2	17	24E-06	LKWSHR, Lining to Shoe	32
9	113249	PLUG, Brake Lining	32	18	62D-06	NUT, Lining to Shoe	32
				19	1C-812	BOLT, Puller Hole Plug	2
				20	4E-08	LKWSHR, Puller Hole Plug	2
				21	112213	PIN, Anchor	2
				22	109597	SCREW, Anchor Pin Set	2

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



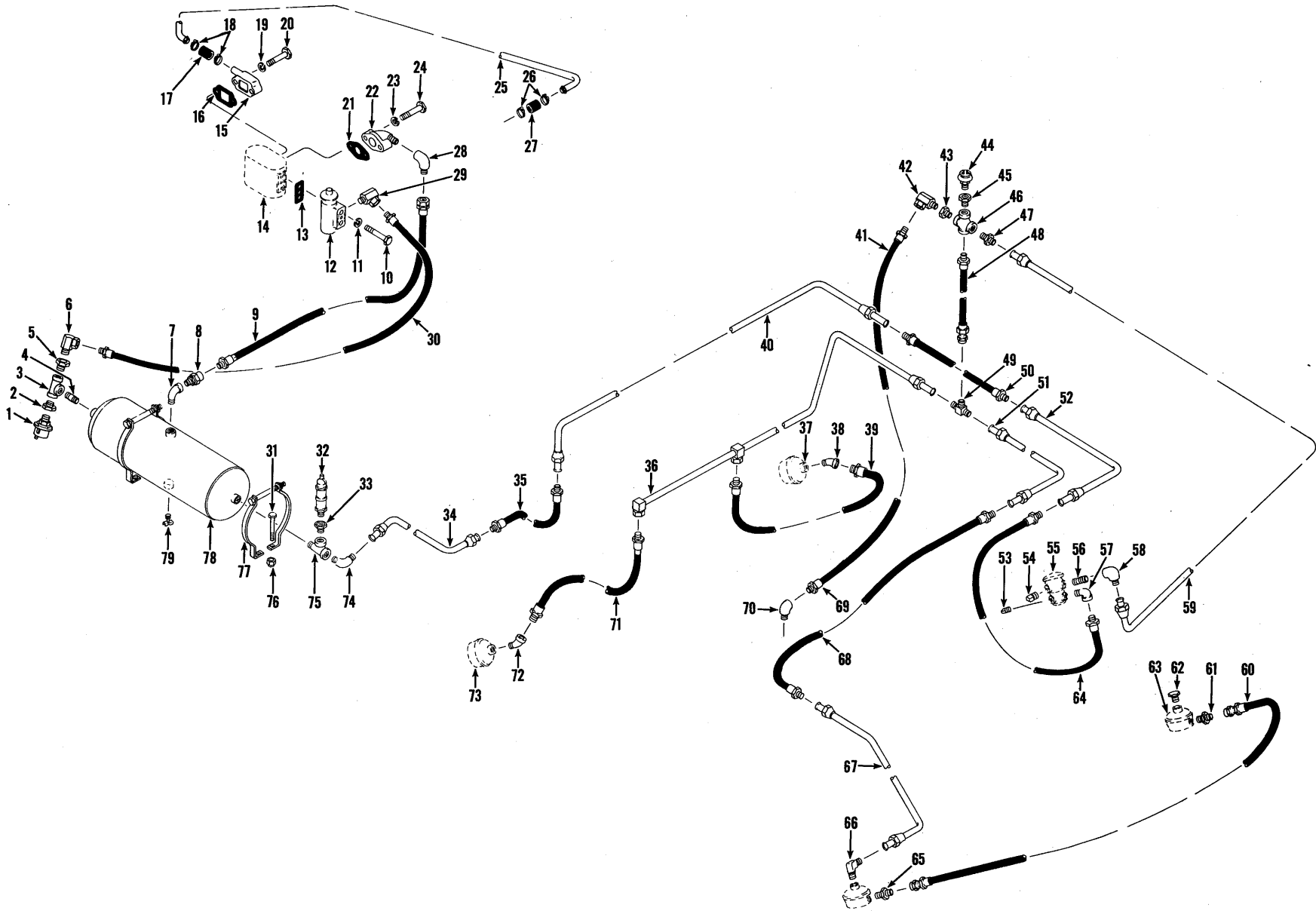
TS-8322-P

BRAKE VALVE AND CONTROLS

Item No.	Part No.	Description	No. Req'd.
1	24C-664	BOLT, Pedal to Bearing	1
2	568659	PEDAL ASSY, Air Brake	1
3	875766	PIN, Pedal to Roller	1
4	1F-312	COTTER, Pedal Pin	1
5	1F-320	COTTER, Pedal Pin	1
6	875767	PIN, Pedal to Valve	1
7	518259	ROLLER, Pedal	1
8	24C-520	BOLT, Valve Mounting	3
9	18D-05	NUT, Valve Mounting	3
10	945996	*VALVE, Air Brake — B.W. #277472	1
11	66D-06	NUT, Bearing Mounting	1
12	8D-06	NUT, Bearing Jam	1
13	66D-06	NUT, Pedal to Bearing	1
14	1525089	BEARING, Spherical	1

*NOTE: Your local authorized Bendix-Westinghouse Distributor is equipped to service components of these parts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BRAKE AIR LINES

TS-9079-P

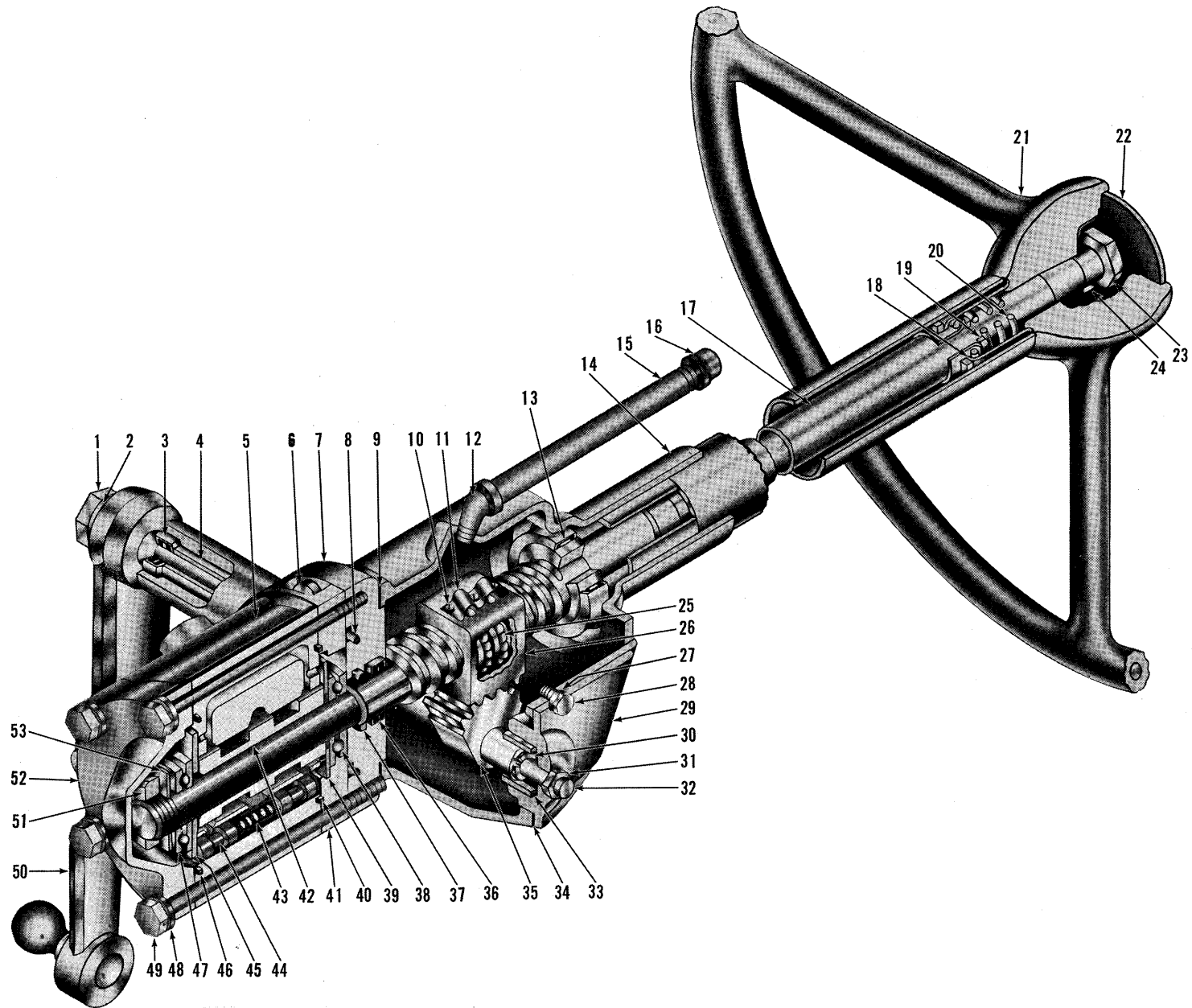
BRAKE AIR LINES

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1534135	SENDER, Air Pressure	1	41	540915	HOSE, Cross to Trans.	1
1A	12E-10	†LKWSHR, Sender Unit	1	42	31F-1	ADAPTER, Hose to Cross	1
1B	14D-10	†NUT, Sender Unit	1	43	19F-4	BUSHING, Reducing	1
2	19F-4	BUSHING, Reducing	1	44	636260	SWITCH, Stop Light	1
3	28F-3	TEE, Hose & Sender to Res.	1	45	19F-4	BUSHING, Reducing	1
4	5K-409	NIPPLE, Pipe	1	46	21F-4	CROSS	1
5	19F-4	BUSHING, Reducing	1	47	38F-10	CONNECTOR, Tube to Cross ..	1
6	31F-1	ADAPTER, Hose to Tee	1	48	1506902	HOSE, Cross to Tee	1
7	26F-4	ELBOW, Hose to Res.	1	49	1306699	CONNECTOR, Tee	1
8	593370	VALVE, Check	1	50	1531983	HOSE, Tube to Tube	1
9	1531984	HOSE, Compressor to Res.	1	51	1531851	TUBE, Hose to Tee	1
10	23C-544	BOLT, Governor to Comp.	2	52	568581	TUBE, Reservoir to Valve Feed	1
11	4E-05	LKWSHR, Governor to Comp.	2	53	13F-08	PLUG, Pipe	4
12	540306	*GOVERNOR (B.W. #275200)	1	54	13F-04	PLUG, Pipe	1
13	942646	GASKET, Governor	1	55	-----	BRAKE FOOT VALVE — See Index	1
14	-----	COMPRESSOR — Furnished with Engine	1	56	5K-420	NIPPLE, Pipe	1
15	540888	INLET, Compressor	1	57	26F-4	ELBOW, Hose to Valve	1
16	875012	GASKET, Inlet to Comp.	1	58	43F-8	ELBOW, Tube to Valve	1
17	549243	HOSE, Tube to Inlet	1	59	1531855	TUBE, Cross to Valve	1
18	540103	CLAMP, Hose	2	60	1506854	HOSE, Air Chamber Connecting	1
19	4E-05	LKWSHR, Inlet to Comp.	2	61	38F-7	ADAPTER, Hose to Chamber ..	1
20	23C-532	BOLT, Inlet to Comp.	2	62	40K-04	PLUG, Air Chamber	1
21	951948	GASKET, Flange to Comp.	1	63	-----	AIR CHAMBER, Front — See Index	2
22	522846	FLANGE, Discharge	1	64	571695	HOSE, Tube to Valve	1
23	4E-05	LKWSHR, Discharge Flange ..	2	65	38F-7	ADAPTER, Hose to Chamber ..	1
24	23C-528	BOLT, Discharge Flange	2	66	524657	ELBOW, Tube to Air Chamber ..	1
25	1531854	TUBE, Air Intake	1	67	1531873	TUBE, Hose to Air Chamber ..	1
26	540103	CLAMP, Hose	2	68	1502825	HOSE, Tube Connecting	1
27	549243	HOSE, Intake Tube	1	69	-----	HOSE — See Item 41	1
28	85F-7	ELBOW, Flange to Hose	1	70	620588	ELBOW, Hose to Trans.	1
29	31F-1	ADAPTER, Hose to Governor ..	1	71	1531982	HOSE, Tube to Chamber	1
30	594306	HOSE, Governor to Res.	1	72	25F-2	ELBOW, Hose to Chamber	1
31	24C-620	BOLT, Bracket to Frame	4	73	-----	AIR CHAMBER, R.H. Rear — See Index	1
32	507815	VALVE, Safety	1	74	42F-9	ELBOW, Tube to Tee	1
33	19F-5	BUSHING, Reducing	1	75	17F-4	TEE, Connecting	1
34	1531857	TUBE, Hose to Reservoir	1	76	18D-06	NUT, Bracket to Frame	4
35	571882	HOSE, Tube to Tube	1	77	941813	*BRACKET, Reservoir Mounting (B.W. #221399)	2
36	1531850	TUBE, Rear Cross	1	78	549717	RESERVOIR, Air	1
37	-----	AIR CHAMBER — L.H. Rear — See Index	1	79	72F-4	DRAIN COCK, Reservoir	1
38	25F-2	ELBOW, Hose to Chamber	1				
39	1531982	HOSE, Tube to Chamber	1				
40	1531856	TUBE, Reservoir to Valve Feed	1				

†Not Illustrated

*NOTE: Your local authorized Bendix-Westinghouse Distributor is equipped to service components of these parts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



STEERING GEAR ASSEMBLY

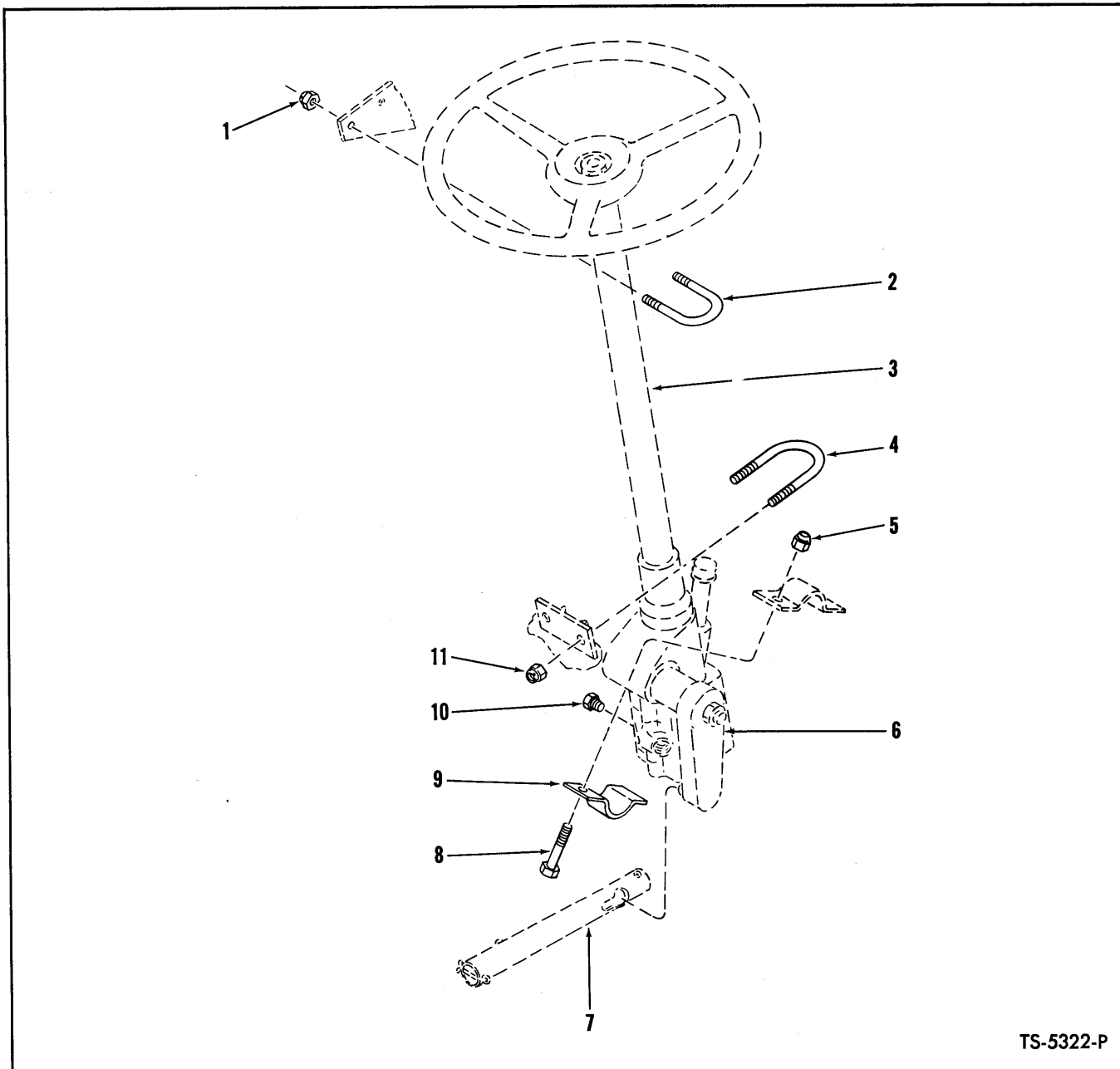
TS-4787-P

STEERING GEAR ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	566434	GEAR ASSY (Inc. 1 thru 11, 13 thru 20, 24 thru 49, 51, 52, 53)	1	25	10J-09	BALL	106
1	850756	NUT, Pitman Arm	1	25A	853526	†GUIDE, Ball Return	4
2	4E-18	LKWSHR, Pitman Arm	1	26	853525	NUT, Ball	1
3	853391	SEAL, Pitman Shaft Grease ..	1	27	2E-06	LKWSHR, Side Cover	3
4	853357	BUSHING, Pitman Shaft	1	28	1C-612	BOLT, Side Cover	3
5	945334	VALVE ASSY (Inc. 42, 43, 44)	1	29	853182	COVER, Hsg. Side (Inc. 33) ..	1
6	73G-732	BOLT, Adapter to Housing ..	4	30	853187	SHIM KIT, Lash Adjuster	1
6A	4E-07	†LKWSHR, Adapter to Hsg.	4	31	8D-07	NUT, Lash Adjuster	1
7	943426	ADAPTER, Valve to Hsg. (Inc. 36, 37)	1	32	851770	ADJUSTER, Lash	1
8	886851	O-RING, Spacer to Adapter ..	1	33	-----	§BUSHING, Side Cover	—
9	853380	GASKET, Adapter to Housing	1	34	851756	GASKET, Side Cover	1
10	851762	BOLT & WASHER ASSY, Clamp	3	35	940111	GEAR, Pitman Shaft	1
11	853527	CLAMP, Ball Return Guide	1	36	861741	BEARING, Adapter	1
12	-----	*ELBOW, Filler	1	37	25K-40108	O-RING, Adapter	1
13	730143	BEARING, Needle	1	38	860997	BEARING, Worm Thrust	1
14	946138	HOUSING ASSY (Inc. 4, 13) ..	1	39	943438	WASHER, Worm Thrust	1
15	5K-432	NIPPLE, Filler	1	40	1306626	O-RING, Valve to Spacer	1
16	22F-4	CAP, Filler	1	41	943440	SPACER, Valve	1
17	946139	SHAFT ASSY (Inc. 10, 11, 25, 25A, 26)	1	42	-----	§SPOOL, Valve — See Item 5 —	—
18	857729	BEARING ASSY, Upper	1	43	943437	SPRING, Valve	4
19	861768	WASHER, Upper Bearing	1	44	943436	PLUNGER, Valve	8
20	853395	SPRING, Upper Bearing	1	45	943438	WASHER, Bearing Thrust	1
21	518331	WHEEL, Steering	1	46	1306626	O RING, Valve to Spacer	1
22	548074	PLATE, Operating Precaution	1	47	860997	BEARING, Worm Thrust	1
22A	65G-406	†SCREW, Plate Attaching	4	48	3E-08	LKWSHR, End Cover	6
23	648304	NUT, Steering Wheel	1	49	1C-888	BOLT, End Cover	6
24	853384	KEY, Steering Wheel	1	50	566433	ARM, Pitman	1
				51	873250	NUT, Worm Bearing Lock	1
				52	943439	COVER, Valve End	1
				53	943429	SPRING, Valve Spool Preload	1

§Not Sold Separately
 †Not Illustrated
 *NOTE: This item is not used on this machine.

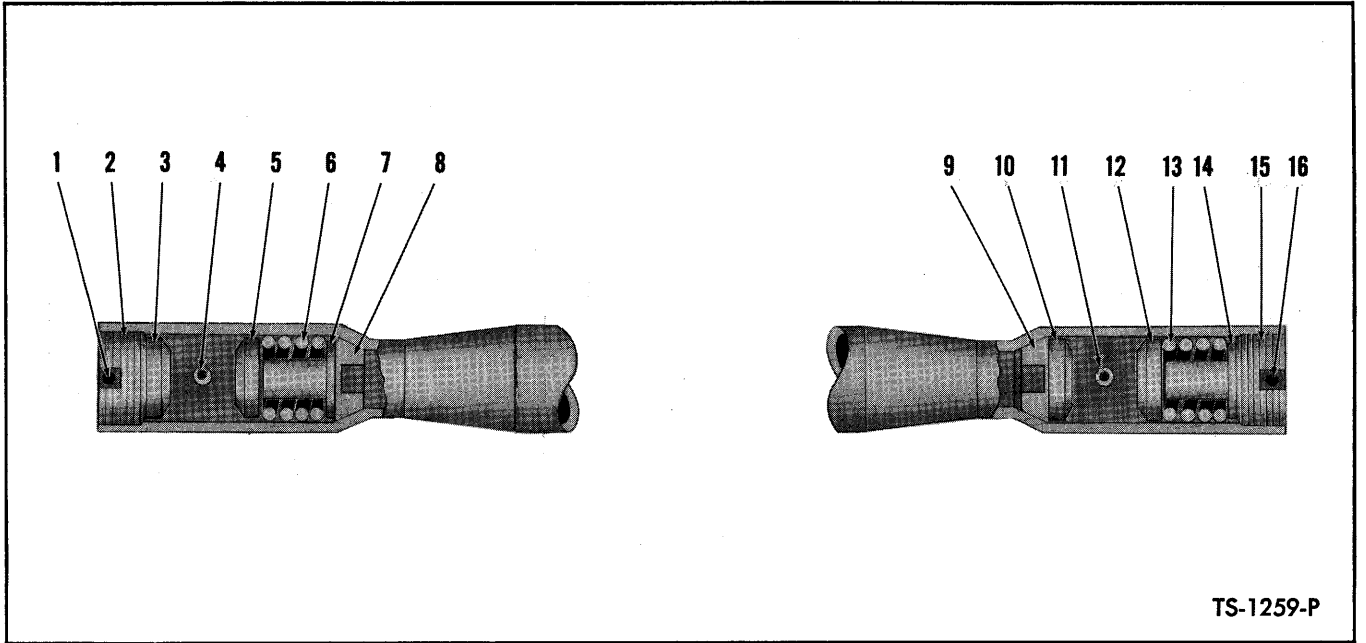
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



STEERING GEAR MOUNTING GROUP

Item No.	Part No.	Description	No. Req'd.
1	18D-06	NUT, "U" Bolt	2
2	571441	"U" BOLT, Steering Gear to Cockpit	1
3	-----	STEERING GEAR ASSY - See Index	—
4	545941	"U" BOLT, Steering Gear to Cockpit	1
5	18D-08	NUT, Steering Gear Clamp	2
6	-----	PITMAN ARM - See Index	—
7	-----	DRAG LINK - See Index	—
8	24C-836	BOLT, Steering Gear Clamp	2
9	550044	CLAMP, Steering Gear	1
10	40K-02	PLUG, Steering Valve	1
11	18D-08	NUT, "U" Bolt	2

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

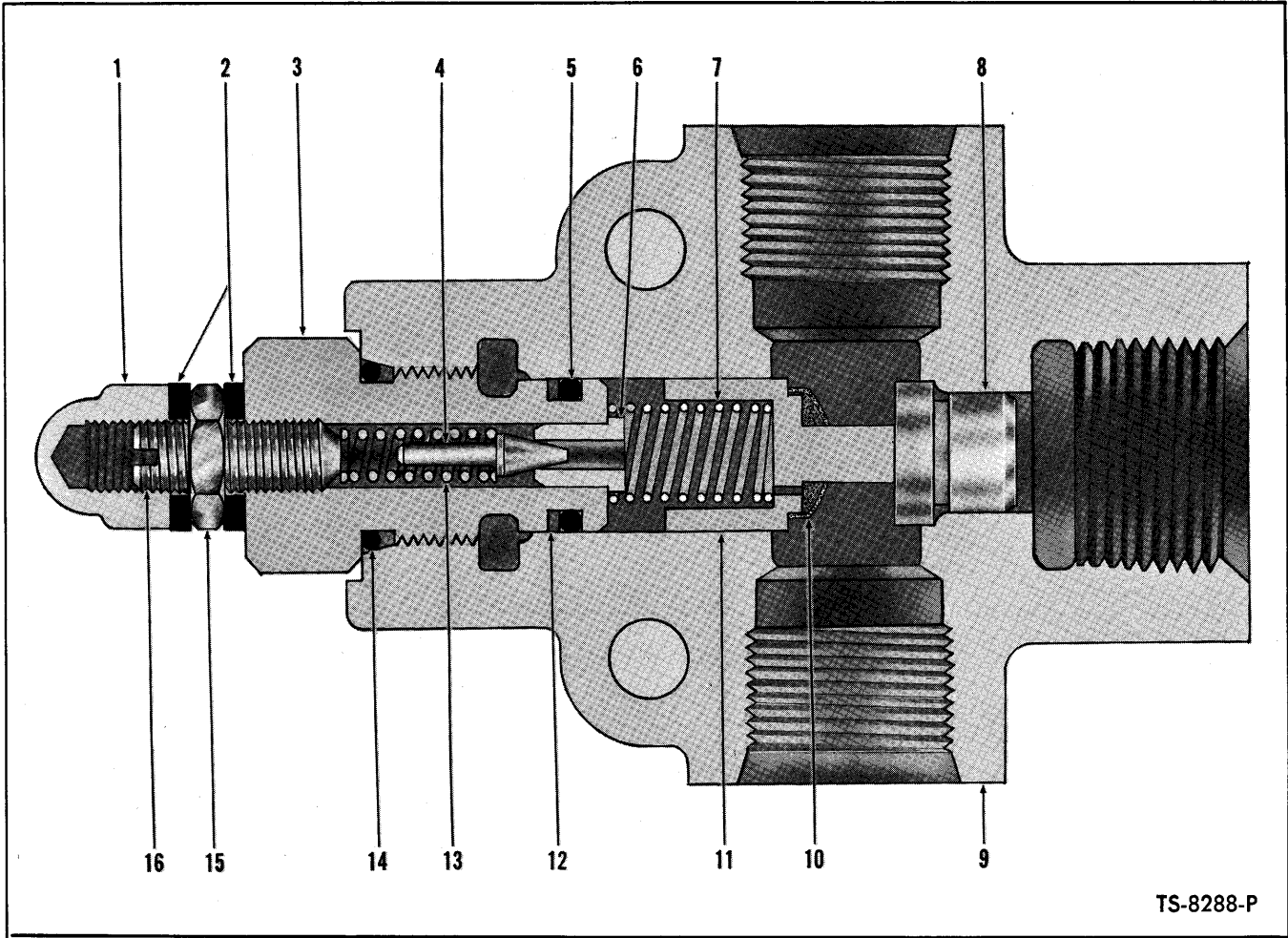


TS-1259-P

STEERING DRAG LINK

Item No.	Part No.	Description	No. Req'd.
A	568070	DRAG LINK ASSY (Inc. 2, 3, 5 thru 10, 12 thru 15)	1
1	1F-432	COTTER	1
2	876575	NUT, Adjusting	1
3	865965	SEAT, Ball Stud	1
4	12H-15	FITTING, Grease	1
5	865965	SEAT, Ball Stud	1
6	865961	SPRING	1
7	662691	SEAT, Spring	1
8	865963	SEAT	1
9	865963	SEAT	1
10	865965	SEAT, Ball Stud	1
11	10H-25	FITTING, Grease	1
12	865965	SEAT, Ball Stud	1
13	865961	SPRING	1
14	662691	SEAT, Spring	1
15	876575	NUT, Adjusting	1
16	1F-432	COTTER	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

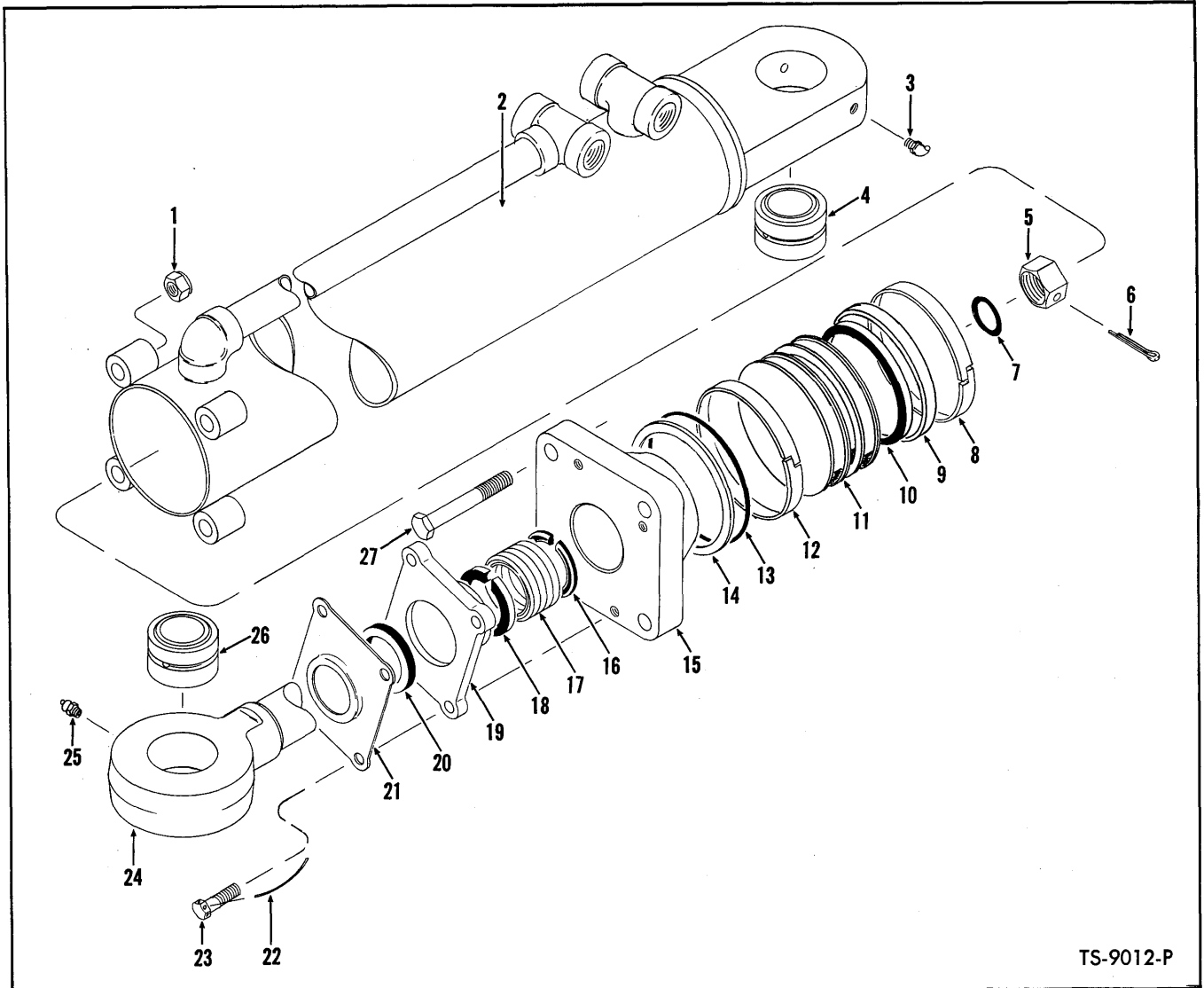


PRESSURE RELIEF VALVE – STEERING SYSTEM

Item No.	Part No.	Description	No. Req'd.
A	536539	VALVE ASSY (Inc. 1 thru 17)	2
NOTE: Two (2) Valves used per machine – Quantities listed below are for one (1) Valve.			
1	47D-05	NUT, Acorn	1
2	663792	WASHER, Stat-O-Seal	2
3	944467	CAP, Valve	1
4	883734	PLUNGER, Pilot	1
5	899039	O-RING	1
6	944469	SEAT, Pilot	1
7	944646	SPRING	1
8	944645	SEAT, Poppet	1
9	-----	§BODY, Valve – Order Item "A"	—
10	-----	§SCREEN, Poppet – Order Item 11	—
11	944643	POPPET ASSY (Inc. 10)	1
12	899038	RING, Back-Up	1
13	944471	SPRING, Pilot	1
14	91F-6	O-RING, Valve Cap	1
15	8D-05	NUT, Jam	1
16	33G-514	SCREW, Adjusting Set	1
17	40K-02	†PLUG	2

§Not Sold Separately
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

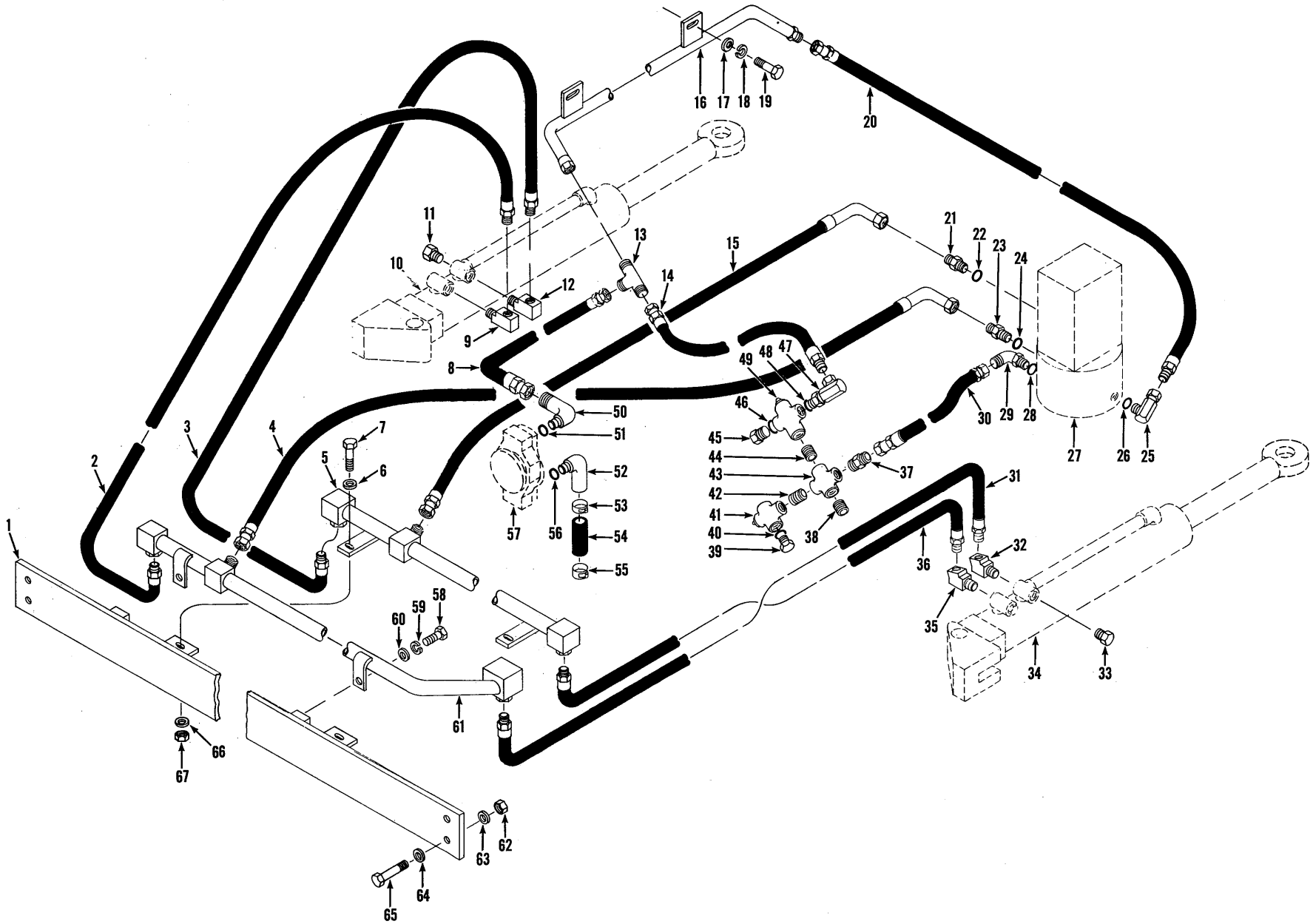


TS-9012-P

STEERING CYLINDER ASSEMBLY — 3½"

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1531950	STEERING CYLINDER ASSY (Inc. 1, 2, 5 thru 23, 25, 26)	2	12	1530264	RING, Piston Wear	1
NOTE: Two (2) Cylinders used per machine — Quantities listed below are for one (1) Cylinder.				13	25K-40308	O-RING, Cylinder Cap	1
1	18D-07	NUT, Cylinder Cap	4	14	532917	RING, Back-Up	1
2	1531949	CYLINDER	1	15	562318	CAP, Cylinder	1
3	11H-15	FITTING, Cylinder Grease	1	16	520400	ADAPTER, Male	2
4	713418	BUSHING, Cylinder	1	17	538068	PACKING ASSY	1
5	1503715	NUT, Piston Rod	1	18	520399	ADAPTER, Female	2
6	1F-640	COTTER, Piston Rod Nut	1	19	526451	GLAND, Packing	1
7	25K-40104	O-RING, Piston Rod	1	20	941568	SEAL, Piston Rod	1
8	1530264	RING, Piston Wear	1	21	512797	RETAINER, Seal	1
9	1503631	RING, Piston Outer Seal	1	22	---	LOCKWIRE (16 ga. x 20" lg.)	2
10	1503629	RING, Piston Inner Seal	1	23	4C-620	BOLT, Seal Retainer	4
11	1503639	PISTON	1	24	1531942	ROD, Piston	1
				25	11H-15	FITTING, Piston Rod Grease	1
				26	713418	BUSHING, Piston Rod	1
				27	24C-748	BOLT, Cylinder Cap	4

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



[60]

PM 2447

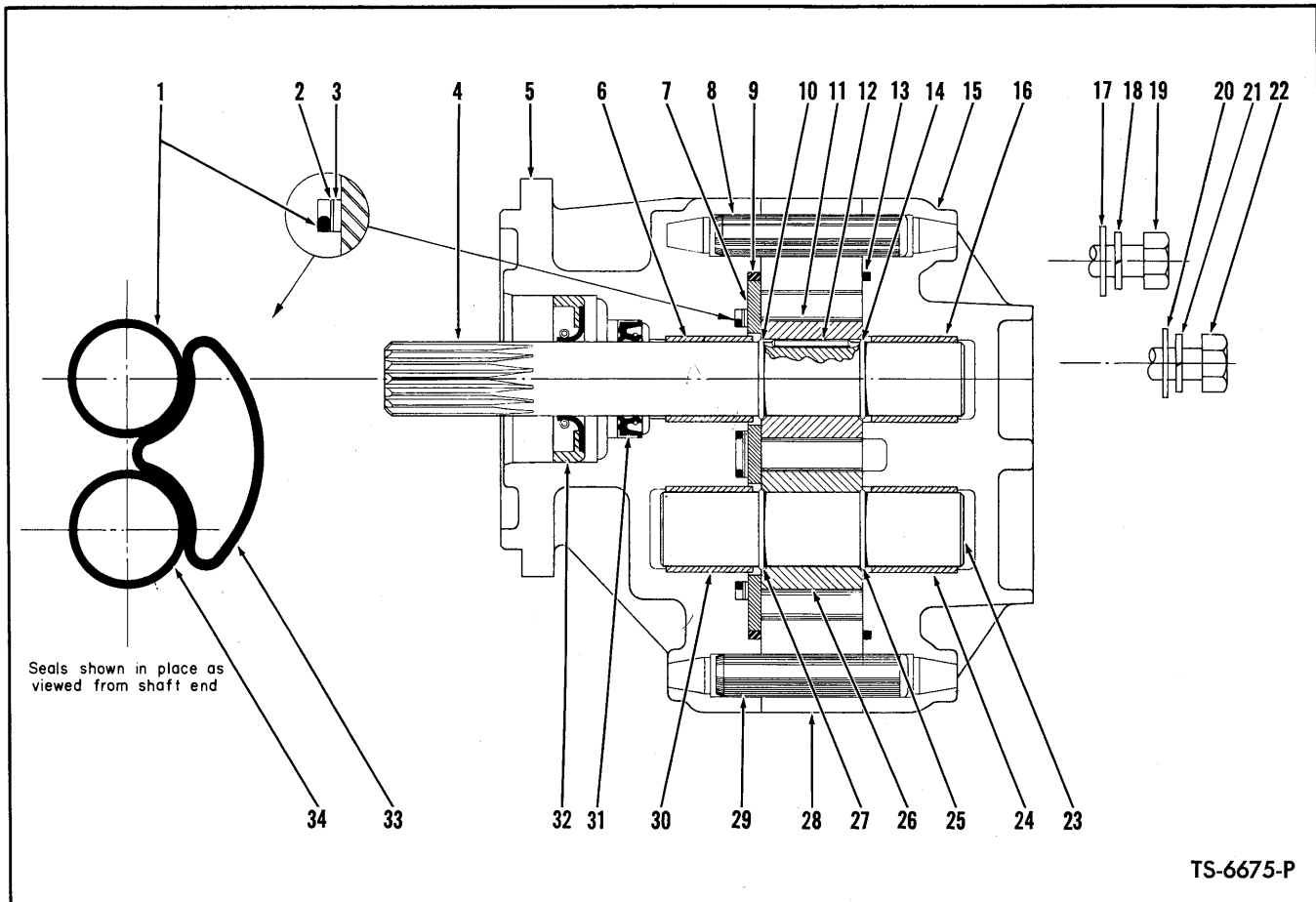
HYDRAULIC SYSTEM — STEERING

TS-9045-P

HYDRAULIC SYSTEM — STEERING

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1531784	PLATE, Steering Tube Mtg. ...	1	35	81F-3	ELBOW, Hose to Cylinder	1
2	610975	HOSE, Tube to Cylinder	1	36	610975	HOSE, Tube to Cylinder	1
3	1531929	HOSE, Tube to Cylinder	1	37	89F-8	CONNECTOR, Hose to Cross	1
4	1502703	HOSE, Tube to Steering Gear	1	38	5K-624	NIPPLE, Cross to Reservoir	1
5	1531927	TUBE, Lower Front	1	39	24K-7	PLUG, Relief Valve (Inc. 40) ..	1
6	656672	WASHER, Tube to Plate	2	40	91F-7	O-RING, Plug	1
7	24C-624	BOLT, Tube to Plate	2	41	-----	STEERING RELIEF VALVE — See Index	—
8	1502705	HOSE, Pump to Tee	1	42	5K-611	NIPPLE, Valve to Cross	1
9	29F-3	ELBOW, Hose to Cylinder	1	43	21F-5	CROSS, Connecting	1
10	-----	STEERING CYLINDER — See Index	—	44	5K-611	NIPPLE, Valve to Cross	1
11	40K-08	PLUG, Cylinder	2	45	24K-7	PLUG, Relief Valve (Inc. 46) ..	1
12	29F-3	ELBOW, Hose to Cylinder	1	46	91F-7	O-RING, Plug	1
13	10K-10	TEE, Connecting	1	47	531684	ADAPTER UNION (Inc. 48) ..	1
14	568372	HOSE, Tee to Relief Valve	1	48	91F-11	O-RING, Adapter Union	1
15	1502704	HOSE, Tube to Steering Gear	1	49	-----	STEERING RELIEF VALVE	1
16	568339	TUBE, Relief Valve to Steering Gear	1	50	18K-10	ELBOW, Hose to Pump (Inc. 51)	1
17	656672	WASHER, Tube Mounting	2	51	91F-10	O-RING, Elbow	1
18	4E-06	LKWSHR, Tube Mounting	2	52	564087	ELBOW, Hose to Pump (Inc. 56)	1
19	24C-620	BOLT, Tube Mounting	2	53	540129	CLAMP, Hose	1
20	568372	HOSE, Tube to Gear	1	54	585884	HOSE	1
21	731793	CONNECTOR (Inc. 22)	1	55	540129	CLAMP, Hose	1
22	91F-7	O-RING, Connector	1	56	91F-11	O-RING, Elbow	1
23	731793	CONNECTOR (Inc. 29)	1	57	-----	STEERING HYDRAULIC PUMP — See Index	—
24	91F-7	O-RING, Connector	1	58	24C-620	BOLT, Tube Mtg.	2
25	531684	ADAPTER UNION (Inc. 26) ..	1	59	4E-06	LKWSHR, Tube Mtg.	2
26	91F-7	O-RING, Adapter Union	1	60	656672	WASHER, Tube Mtg.	2
27	-----	STEERING GEAR ASSY — See Index	—	61	1531928	TUBE, Upper Rear	1
28	91F-7	O-RING, Elbow	1	62	18D-06	NUT, Plate to Frame	4
29	573576	ELBOW, Hose to Gear (Inc. 28)	1	63	656672	WASHER, Plate to Frame	4
30	568371	HOSE, Gear to Cross	1	64	656672	WASHER, Plate to Frame	4
31	604617	HOSE, Tube to Cylinder	1	65	24C-624	BOLT, Plate to Frame	4
32	81F-3	ELBOW, Hose to Cylinder	1	66	656672	WASHER, Tube Mtg.	2
33	40K-08	PLUG, Cylinder	2	67	18D-06	NUT, Tube Mtg.	2
34	-----	STEERING CYLINDER — See Index	—				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC PUMP — STEERING

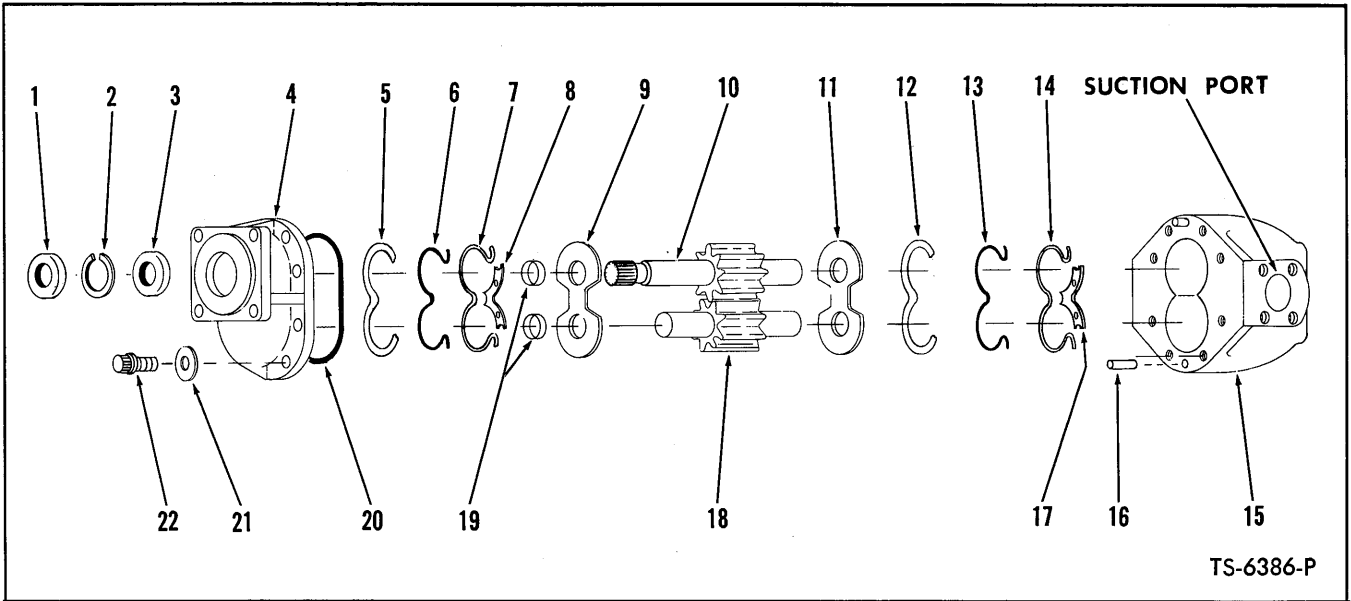
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	571497	*PUMP ASSY (Inc. 1 thru 34) ..	1	20	---	§WASHER, Cover Mounting ..	4
B	946372	SEAL KIT, Minor (Inc. 1, 2, 3, 9, 13, 31 thru 34) ..	1	21	---	§LKWSHR, Cover Mounting ..	4
1	---	§O-RING ..	1	22	---	§BOLT, Cover Mounting ..	4
2	---	§RING, Back-Up ..	1	23	---	§SHAFT, Driven ..	1
3	---	§RING, Back-Up ..	1	24	---	§BUSHING, Shaft ..	1
4	---	§SHAFT, Drive ..	1	25	---	§RING, Retaining ..	1
5	---	§ADAPTER, Pump ..	1	26	---	§GEAR, Driven ..	1
6	---	§BUSHING, Shaft ..	1	27	---	§RING, Retaining ..	1
7	---	§PLATE, Wear ..	1	28	---	§HOUSING, Pump ..	1
8	---	§DOWEL, Adapter & Cover ..	1	29	---	§DOWEL, Adapter & Cover ..	1
9	---	§O-RING ..	1	30	---	§BUSHING, Shaft ..	1
10	---	§RING, Retaining ..	1	31	---	§SEAL, Shaft ..	1
11	---	§GEAR, Drive ..	1	32	---	§SEAL, Shaft ..	1
12	---	§DOWEL ..	1	33	---	§SEAL ..	1
13	---	§O-RING ..	1	34	---	§O-RING ..	1
14	---	§RING, Retaining ..	1	35	551906	†GASKET, Pump Mounting ..	1
15	---	§COVER, Pump ..	1	36	214962	†SLEEVE, Pump Drive ..	1
16	---	§BUSHING, Shaft ..	1	37	207647	†STUD, Pump Mounting ..	3
17	---	§WASHER, Cover Mounting ..	4	38	4E-06	†LKWSHR, Pump Mounting ..	3
18	---	§LKWSHR, Cover Mounting ..	4	39	8D-06	†NUT, Pump Mounting ..	3
19	---	§BOLT, Cover Mounting ..	4	40	619023	†WASHER, Pump Mounting ..	3

†Not Illustrated

§Not Sold Separately

*NOTE: The above listed pump, with the exception of seal kit listed, is not considered rebuildable in the field. Due to extremely close tolerances involved and extensive break-in test required, the cost of equipment needed and parts plus labor would exceed cost of replacement pump. Order replacement pump by part number listed.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



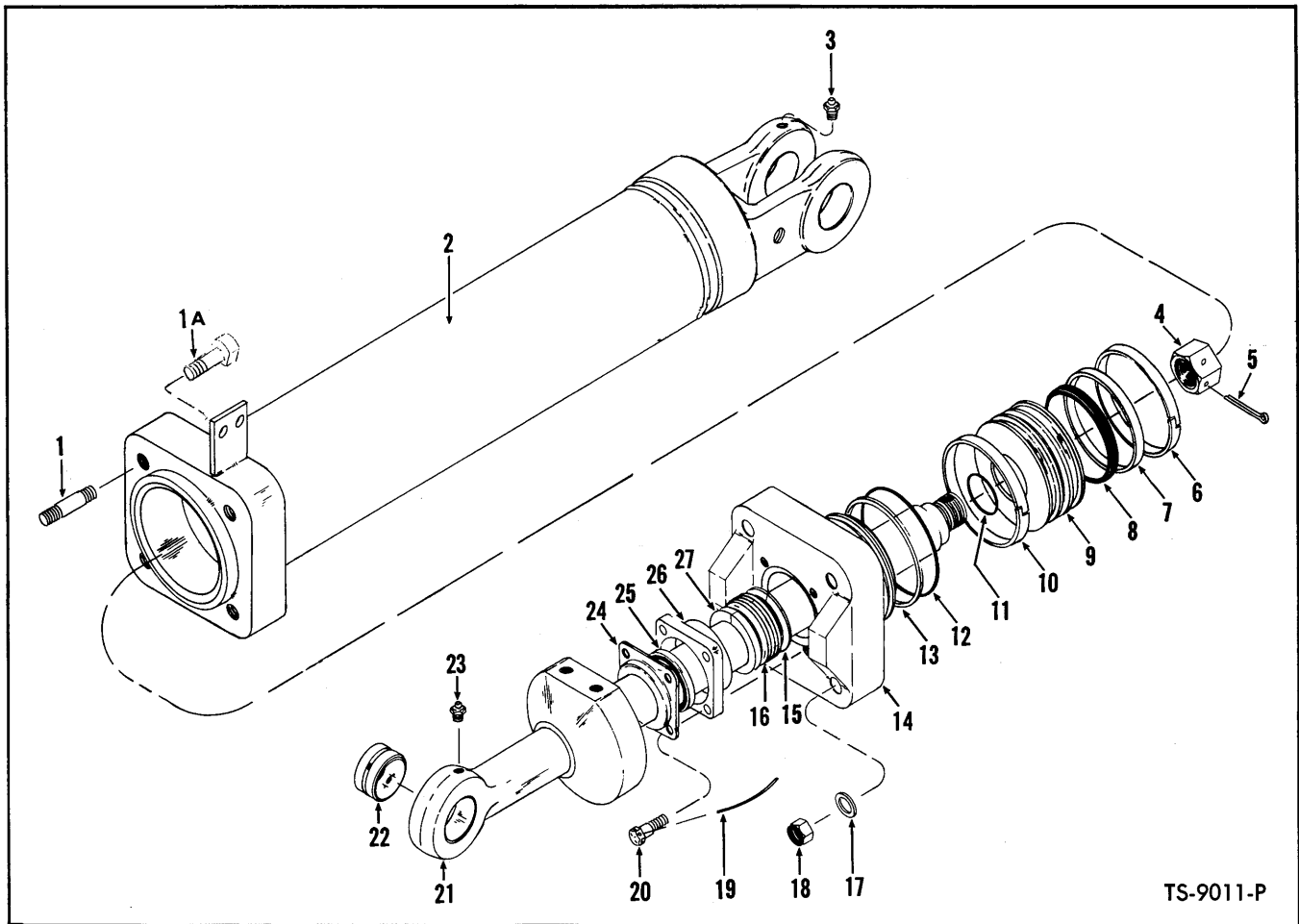
TS-6386-P

HYDRAULIC PUMP – BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.
A	573924	PUMP ASSY (Inc. 1 thru 22)	1
B	946257	SEAL KIT (Inc. 1, 2, 3, 5, 6, 7, 12, 13, 14, 20)	1
C	946258	REPAIR KIT, Major (Inc. 1, 2, 3, 5 thru 14, 16 thru 22)	1
1	946099	SEAL, Oil – See "B" or "C"	1
2	946205	SPACER, Oil Seal	1
3	946099	SEAL, Oil	1
4	946260	FLANGE, Cover	1
5	-----	§RETAINER, Ring – See "B" or "C"	1
6	-----	§O-RING – See "B" or "C"	1
7	-----	§RING, Back-Up – See "B" or "C"	1
8	-----	§PLATE, Isolation – See "C"	1
9	-----	§PLATE, Pressure – See "C"	1
10	-----	§GEAR, Drive – See "C"	1
11	-----	§PLATE, Pressure – See "C"	1
12	-----	§RETAINER, Ring – See "B" or "C"	1
13	-----	§O-RING – See "B" or "C"	1
14	-----	§RING, Back-Up – See "B" or "C"	1
15	946259	BODY	1
16	946100	PIN, Body	2
17	-----	§PLATE, Isolation – See "C"	1
18	-----	§GEAR, Driven – See "C"	1
19	-----	§RING, Spacer – See "C"	2
20	-----	§O-RING – See "B" or "C"	1
21	946271	WASHER	8
22	23C-820	BOLT, Flange	8
23	571511	†STUD, Pump Mtg.	4
24	62D-08	†NUT, Pump Mtg.	4
25	4E-08	†LKWSHR, Pump Mtg.	4
26	552161	†GASKET, Pump Mtg.	1
27	219413	†SLEEVE, Pump Drive	1

§Not Sold Separately
 NOTE: Pump is equipped with bushing type bearings. Bearings are machine finished after pressing in place and therefore are not replaceable service items.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-9011-P

CYLINDER ASSEMBLY – BUCKET 4½"

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1509813	CYLINDER ASSY (Inc. 1A, 2, 4 thru 22, 24 thru 27)	2	12	25K-40408	O-RING, Cylinder Cap	1
		NOTE: Two (2) Cylinders used on machine – Quantities listed below are for one (1) Cylinder.		13	548577	RING, Back-Up	1
1	1533801	*STUD, Cylinder Cap	4	14	567996	CAP, Cylinder	1
1A	1509548	BOLT, Cylinder Cap	4	15	591517	ADAPTER, Male Packing	2
2	1509812	**CYLINDER	1	16	531613	PACKING ASSY	1
3	12H-15	FITTING, Cylinder Grease	1	17	—	OMIT, Not Used	—
4	1535217	NUT, Piston Rod	1	18	18D-10	NUT, Cylinder Cap	4
5	1F-848	COTTER, Piston Rod Nut	1	19	—	LOCKWIRE (16 ga. x 15" lg.)	2
6	1523263	RING, Piston Wear	1	20	4C-616	BOLT, Seal Retainer	4
7	1536073	RING, Piston Outer Seal	1	21	567989	ROD, Piston (Inc. 22)	1
8	1503464	RING, Piston Inner Seal	1	22	567994	BUSHING, Piston Rod	1
9	1503026	PISTON	1	23	12H-15	FITTING, Piston Rod Grease	1
10	1523263	RING, Piston Wear	1	24	562701	RETAINER, Seal	1
11	25K-40112	O-RING, Piston Rod	1	25	591525	SEAL, Piston Rod	1
				26	562700	GLAND, Packing	1
				27	591516	ADAPTER, Female Packing	2

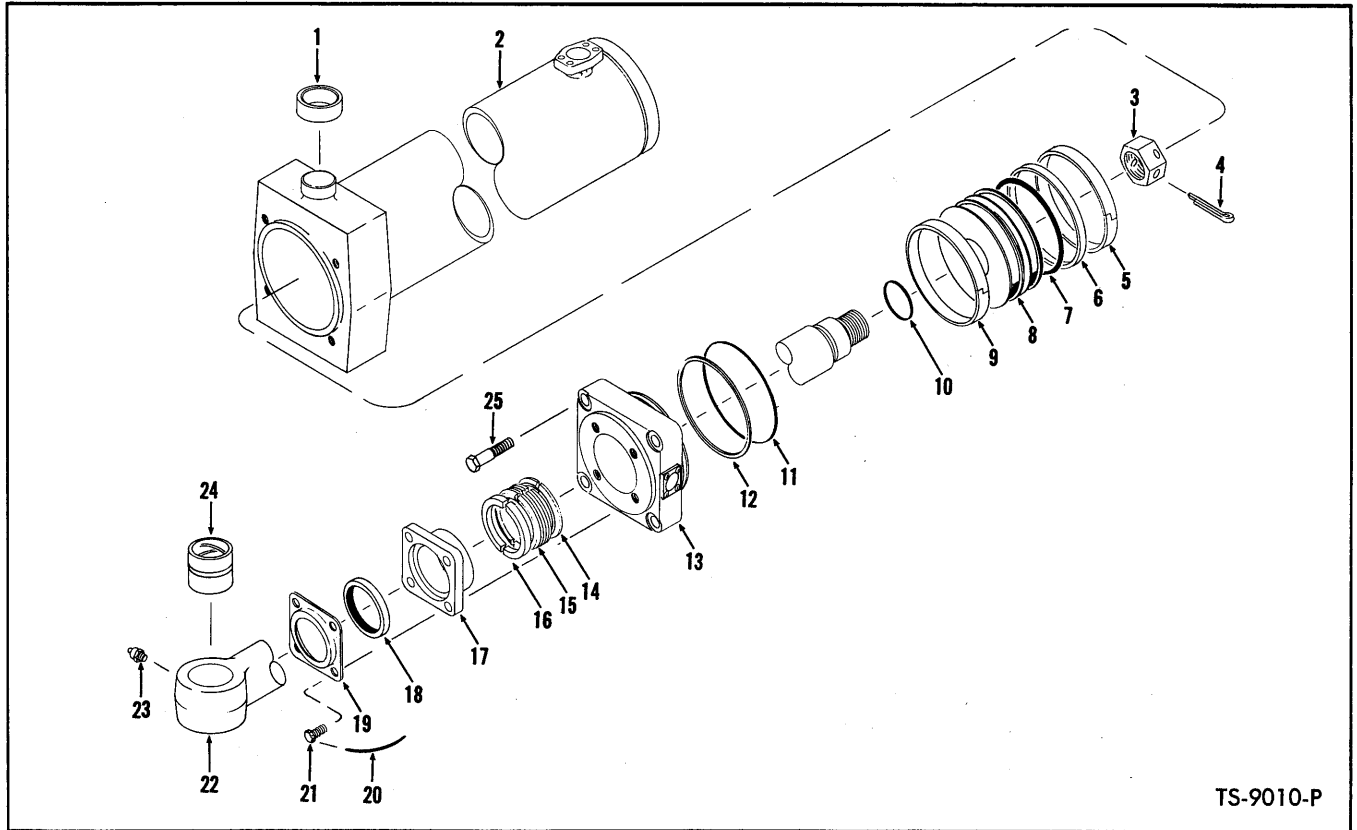
*NOTE: Stud not used on all cylinders. For replacement of studs use 4 #1509548 Bolts and follow replacement procedure below.

**NOTE: When replacing Cylinder on machines equipped with studs, 4 #1509548 Bolts will also be required. Follow steps 4 and 5 of Procedure below.

PROCEDURE

- 1 – Remove Nuts, Washers and Studs.
- 2 – Drill out tapped collar holes to 1/16" Dia.
- 3 – Grind Weld (Collar to Tube) away from Collar Holes to allow bolt head to rest flat on collar.
- 4 – Insert Bolts #1509548 through Collar, then Cap.
- 5 – Using same nuts and washers, Torque to 128 ft. lbs.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-9010-P

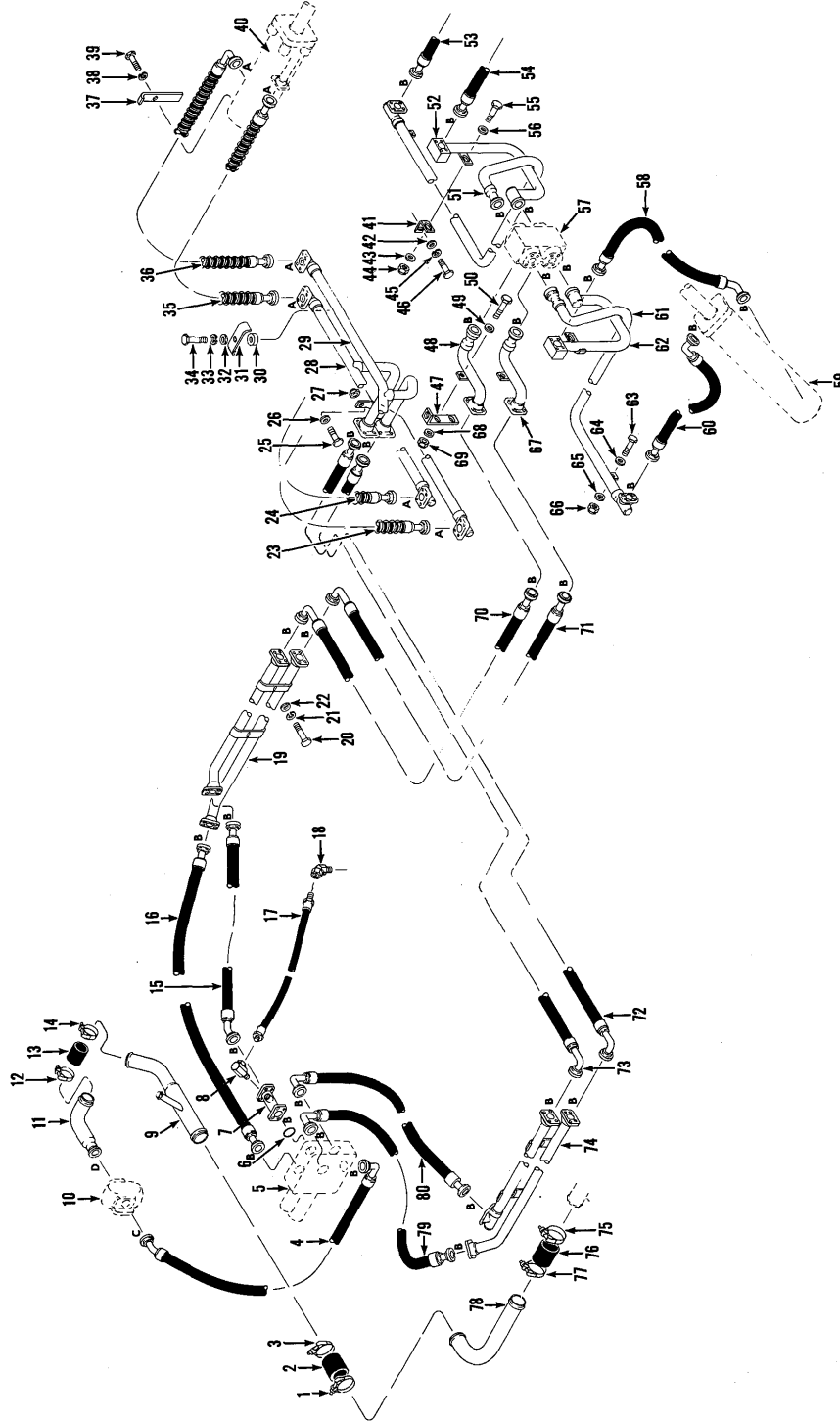
BOOM CYLINDER ASSEMBLY — 6"

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1502853	BOOM CYLINDER ASSY — L.H. (Inc. 1 thru 22, 24, 25)	1	11	25K-80516	O-RING, Cylinder Cap.....	1
B	1502854	BOOM CYLINDER ASSY — R.H. (Inc. 1 thru 22, 24, 25)	1	12	532563	RING, Cylinder Cap Back-Up	1
NOTE: Two (2) Cylinders used per machine — Quantities listed below are for one (1) Cylinder.				13	565934	CAP, Cylinder.....	1
1	1530777	BUSHING, Cylinder.....	2	14	527496	ADAPTER, Male.....	2
2	1502851	CYLINDER (Inc. 1).....	1	15	538154	PACKING ASSY.....	1
3	1502930	NUT, Piston Rod.....	1	16	527497	ADAPTER, Female.....	2
4	1F-852	COTTER, Piston Rod Nut.....	1	17	1520109	GLAND, Packing.....	1
5	1503013	RING, Piston Wear.....	1	18	550450	SEAL, Piston Rod.....	1
6	1502845	RING, Piston Outer Seal.....	1	19	522617	RETAINER, Seal.....	1
7	1503467	RING, Piston Inner Seal.....	1	20	-----	LOCKWIRE (16 ga. x 31" lg.)	2
8	1502846	PISTON.....	1	21	3C-818	BOLT, Seal Retainer.....	4
9	1503013	RING, Piston Wear.....	1	22	1502848	ROD, Piston (Inc. 24).....	1
10	25K-60120	O-RING, Piston Rod.....	1	23	10H-25	FITTING, Piston Rod Grease..	1
				24	556060	BUSHING, Piston Rod.....	1
				25	24C-1056	BOLT, Cylinder Cap.....	4

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TS-9088-P

HYDRAULIC SYSTEM — BUCKET AND BOOM



GROUP	No. Req'd. Per Connection	Flange Half 2	O-Ring 1	Bolt 4	Lkwshr 4	Size
A		663092	791553	23C-620	4E-06	3/4"
B		663093	1306622	23C-620	4E-06	1"
C		663094	1306623	23C-724	4E-07	1 1/4"
D		663096	1306625	23C-824	4E-08	2"

HYDRAULIC SYSTEM — BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	540107	CLAMP, Hose to Tube	1	22	619029	WASHER, Tubes to Frame	4
2	533139	HOSE, Tube to Tube	1	23	-----	HOSE, Bucket Cylinder — See 35	—
3	540107	CLAMP, Hose to Tube	1	24	-----	HOSE, Bucket Cylinder — See 36	—
4	1532183	HOSE, Pump to Valve	1	25	24C-828	BOLT, Tube Mounting	2
5	-----	CONTROL VALVE ASSY — See Index	1	26	635682	WASHER, Tube Mounting	2
6	1306622	O-RING, Tee to Valve	1	27	18D-08	NUT, Tube Mounting	2
7	1504810	TEE, Hoses to Valve	1	28	1502987	TUBE, Bucket Cylinder Rod End	1
	7A23C-624	†BOLT, Tee to Valve	4	29	1502990	TUBE, Bucket Cylinder Base End	1
	7B 4E-06	†LKWSHR, Tee to Valve	4	30	1506856	SPACER, Tube Mounting	2
8	526676	ELBOW, Hose to Tee	1	31	1502996	CLAMP, Tube Mounting	2
9	1503854	TUBE, Suction	1	32	656672	WASHER, Tube Mounting	2
10	-----	BUCKET AND BOOM HYDRAULIC PUMP — See Index	1	33	4E-06	LKWSHR, Tube Mounting	2
11	1531810	STEM, Suction	1	34	24C-624	BOLT, Tube Mounting	2
12	540106	CLAMP, Hose to Stem	1	35	1536854	HOSE, Bucket Cylinder — Rod End	2
13	585887	HOSE, Stem to Tube	1	36	1536855	HOSE, Bucket Cylinder — Base End	2
14	540106	CLAMP, Hose to Tube	1	37	1502656	GUIDE, Bucket Cylinder Hose	4
15	1536556	HOSE, Tee to Tube	1	38	4E-06	LKWSHR, Hose Guide	4
16	1536556	HOSE, Valve to Tube	1	39	24C-616	BOLT, Hose Guide	4
17	594032	HOSE, Tee to Pressure Relief Valve	1	40	-----	BUCKET CYLINDER — See Index	2
18	534894	ELBOW, Hose to Relief Valve (Inc. 18A)	1	41	1506747	BRACKET, Tube to Frame	2
	18A 91F-7	†O-RING, Elbow	1	42	635682	WASHER, Bracket to Frame ...	2
19	1531938	TUBE, Boom Feeder	1	43	635682	WASHER, Tube to Bracket	2
20	24C-820	BOLT, Tubes to Frame	4	44	18D-08	NUT, Tube to Bracket	2
21	4E-08	LKWSHR, Tubes to Frame	4				

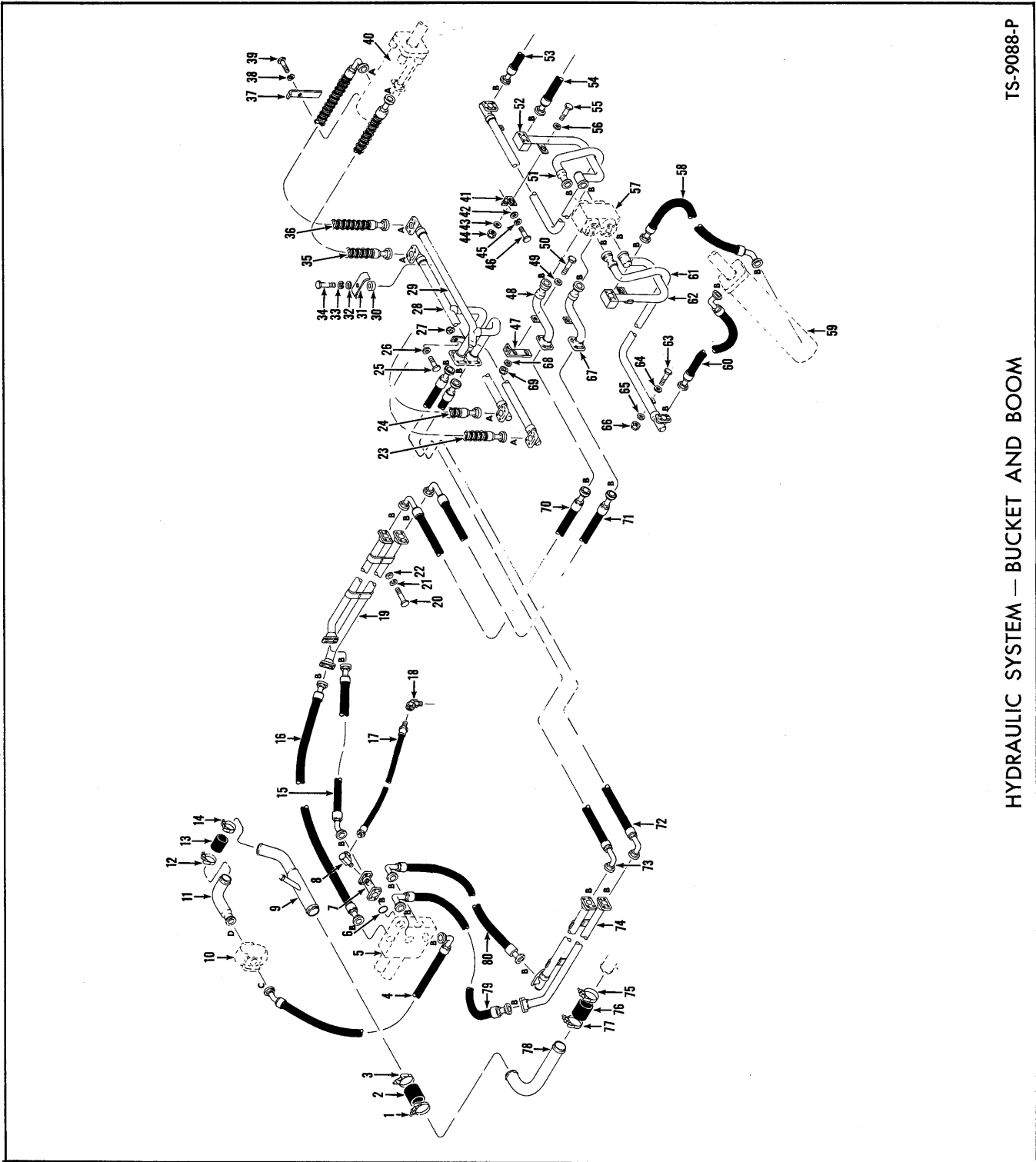
†Not Illustrated

NOTE: To determine part number of flange halves refer to letter designation on illustration, and then to Chart.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TS-9088-P

HYDRAULIC SYSTEM — BUCKET AND BOOM



GROUP	No. Req'd. Per Connection	Flange Half 2	O-Ring 1	Bolt 4	Lkwshr 4	Size
A		663092	791553	23C-620	4E-06	3/4"
B		663093	1306622	23C-620	4E-06	1"
C		663094	1306623	23C-724	4E-08	1 1/4"
D		663096	1306625	23C-824	4E-07	2"

HYDRAULIC SYSTEM — BUCKET AND BOOM (Continued)

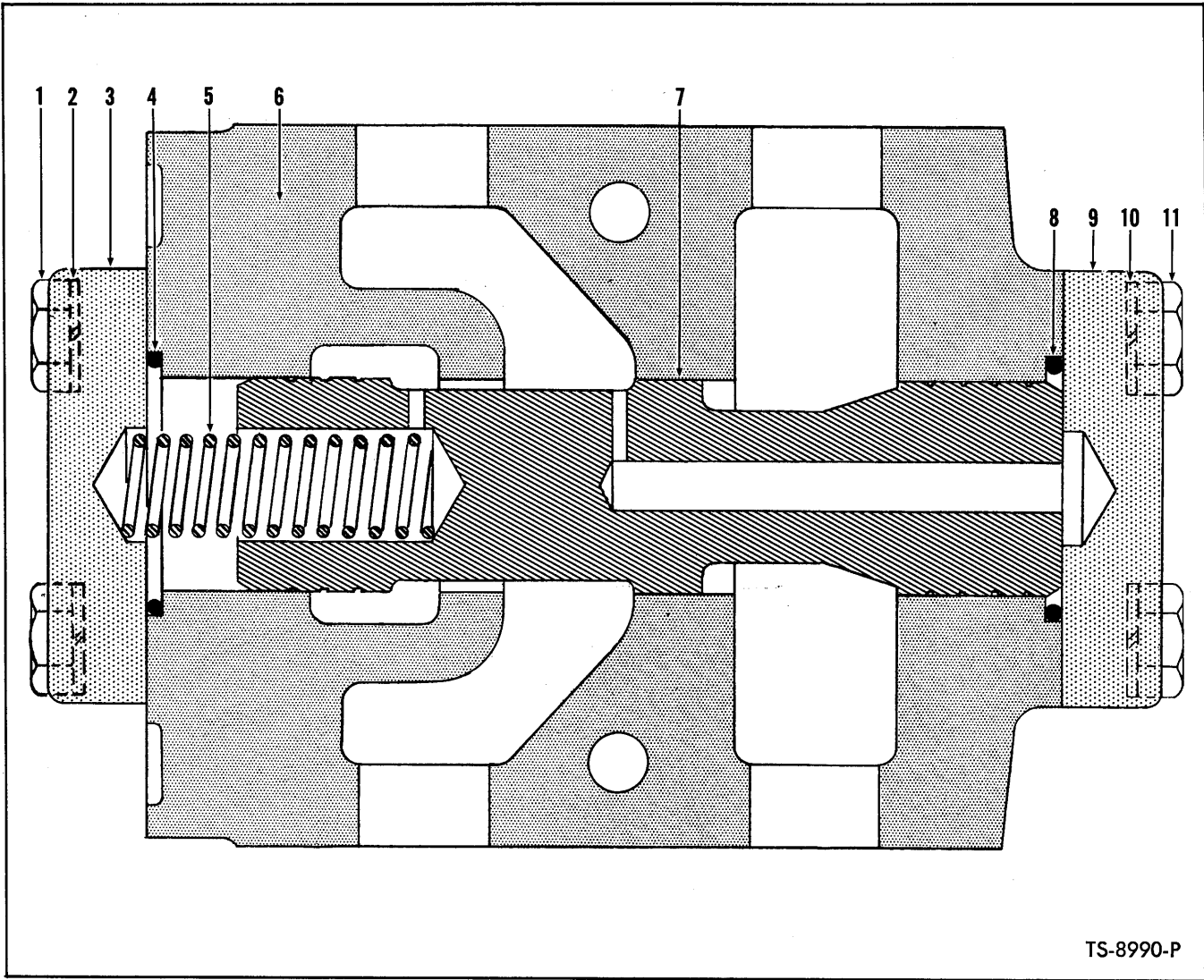
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
45	4E-08	LKWSHR, Bracket to Frame	2	60	1502645	HOSE, Boom Cylinder — Rod End	2
46	24C-820	BOLT, Bracket to Frame	2	61	1502983	TUBE, Boom Cylinder — Rod End	1
47	1506855	BRACKET, Tube to Frame	1	62	1502978	TUBE, Boom Cylinder — Base End	1
47A	24C-828	†BOLT, Bracket to Frame	1	63	24C-828	BOLT, Tube to Frame	2
47B	635682	†WASHER, Bracket to Frame	2	64	635682	WASHER, Tube to Frame	2
47C	18D-08	†NUT, Bracket to Frame	1	65	635682	WASHER, Tube to Frame	2
48	1502976	TUBE, Pivot Hose to Run Around Valve	1	66	18D-08	NUT, Tube to Frame	2
49	635682	WASHER, Tube to Bracket	2	67	1502976	TUBE, Pivot Hose to Run-Around Valve	1
50	24C-828	BOLT, Tube to Bracket	2	68	635682	WASHER, Tube to Bracket	2
51	1502981	TUBE, Boom Cylinder — Rod End	1	69	18D-08	NUT, Tube to Bracket	2
52	1502979	TUBE, Boom Cylinder — Base End	1	70	1531418	HOSE, Center Pivot	1
53	-----	HOSE, Boom Cylinder — See 60	—	71	1531418	HOSE, Center Pivot	1
54	-----	HOSE, Boom Cylinder — See 58	—	72	1531418	HOSE, Center Pivot	1
55	24C-828	BOLT, Tube to Bracket	2	73	1531418	HOSE, Center Pivot	1
56	635682	WASHER, Tube to Bracket	2	74	1531937	TUBE, Bucket Feeder	1
57	-----	RUN-AROUND VALVE — See Index	1	75	540107	CLAMP, Hose to Reservoir	1
57A	24C-788	†BOLT, Valve Mounting	2	76	533139	HOSE, Tube to Reservoir	1
57B	18D-07	†NUT, Valve Mounting	2	77	540107	CLAMP, Hose to Tube	1
58	1536947	HOSE, Boom Cylinder — Base End	2	78	1531813	TUBE, Suction	1
59	-----	BOOM CYLINDER — See Index	2	79	567671	HOSE, Valve to Tube	1
				80	1525629	HOSE, Valve to Tube	1

†Not Illustrated

NOTE: To determine part number of flange halves refer to letter designation on illustration, and then to Chart.

NOTES

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



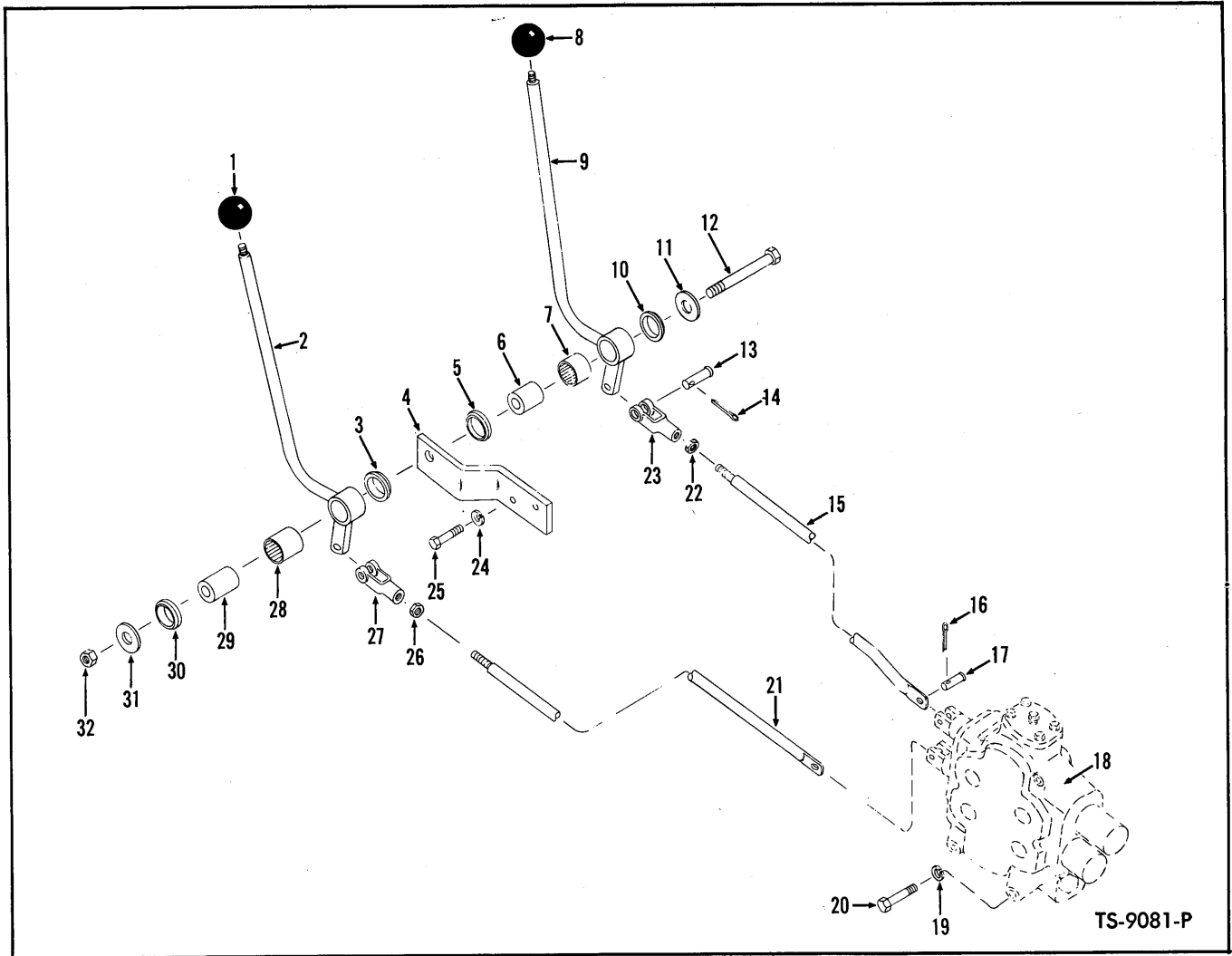
TS-8990-P

RUN AROUND VALVE

Item No.	Part No.	Description	No. Req'd.
A	1502570	VALVE ASSY, Run Around (Inc. 1 thru 11)	1
1	1C-820	BOLT, Cover to Housing	4
2	4E-08	LKWSHR, Cover to Housing	4
3	947835	COVER, Housing	1
4	25K-40124	O-RING, Cover	1
5	947836	SPRING	1
6	-----	§HOUSING — See "A"	1
7	-----	§PLUNGER — See "A"	1
8	25K-40124	O-RING, Cover	1
9	947835	COVER, Housing	1
10	4E-08	LKWSHR, Cover to Housing	4
11	1C-820	BOLT, Cover to Housing	4

§Not Sold Separately

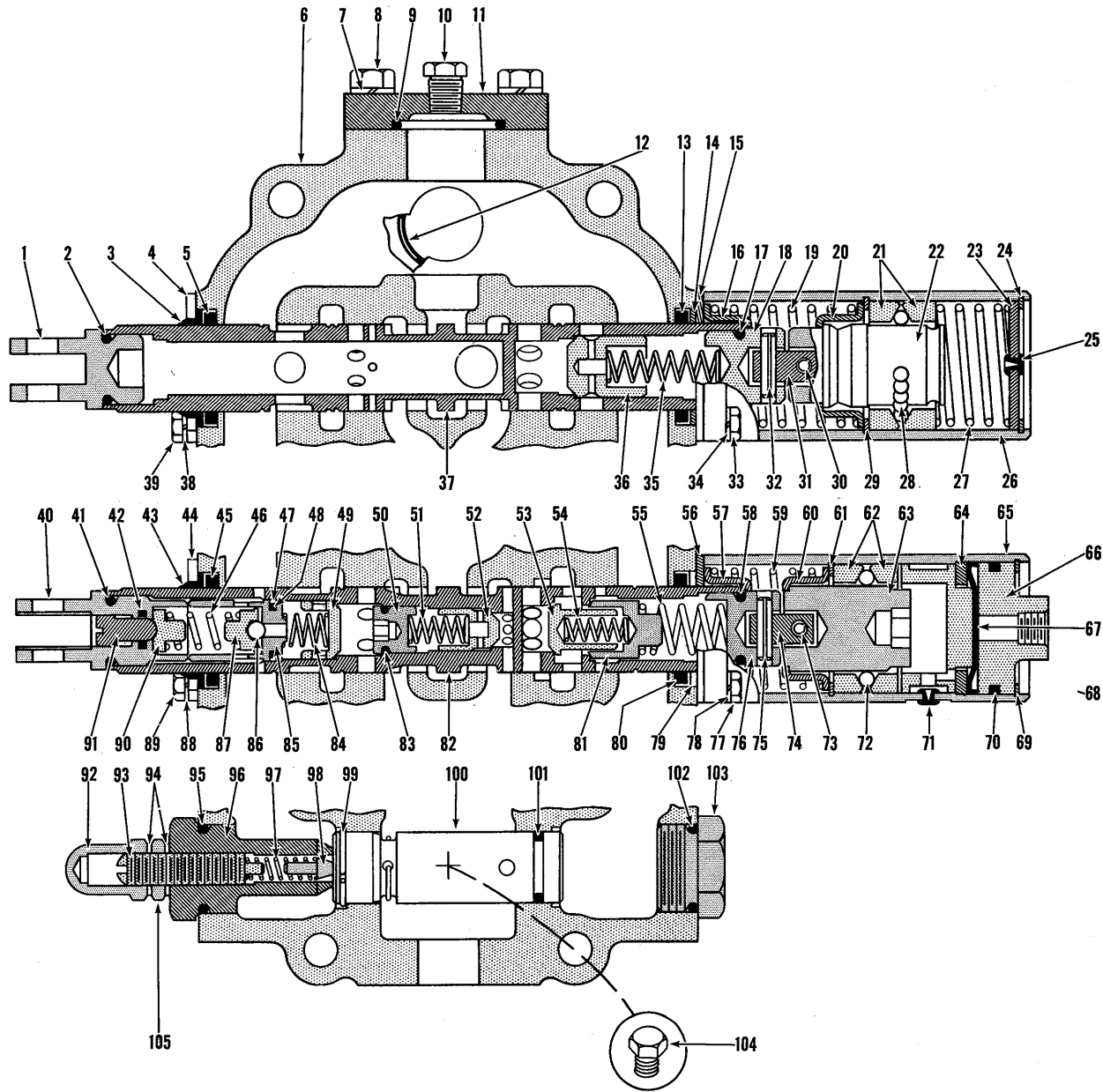
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



VALVE CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	565389	KNOB, Boom Lever	1	18	-----	CONTROL VALVE ASSY — See Index	1
2	1508478	LEVER, Boom Control	1	19	4E-08	LKWSHR, Valve Mounting	3
3	1522535	SEAL, Grease	1	20	24C-864	BOLT, Valve Mounting	3
4	1531554	BRACKET, Lever Mounting	1	21	1531555	ROD, Boom Control (Inc. 26, 27)	1
5	1522535	SEAL, Grease	1	22	8D-08	NUT, Clevis Jam	1
6	1503251	SLEEVE, Lever	1	23	2J-8300	CLEVIS, Rod to Lever	1
7	675227	BEARING, Lever	1	24	4E-08	LKWSHR, Bracket Mounting ..	2
8	565389	KNOB, Bucket Control	1	25	24C-824	BOLT, Bracket Mounting	2
9	1508479	LEVER, Bucket Control	1	26	8D-08	NUT, Clevis Jam	1
10	1522535	SEAL, Grease	1	27	2J-8300	CLEVIS, Rod to Lever	1
11	569909	WASHER, Lever Mounting	1	28	675227	BEARING, Lever	1
12	24C-880	BOLT, Lever Mounting	1	29	1503251	SLEEVE, Lever	1
13	4F-08127	PIN, Clevis to Lever	2	30	1522535	SEAL, Grease	1
14	1F-414	COTTER, Clevis Pin	2	31	569909	WASHER, Lever Mounting	1
15	1531557	ROD, Bucket Control (Inc. 22, 23)	1	32	18D-08	NUT, Lever Mounting	1
16	1F-414	COTTER, Clevis Pin	2				
17	4F-08127	PIN, Rod to Valve	2				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CONTROL VALVE ASSEMBLY

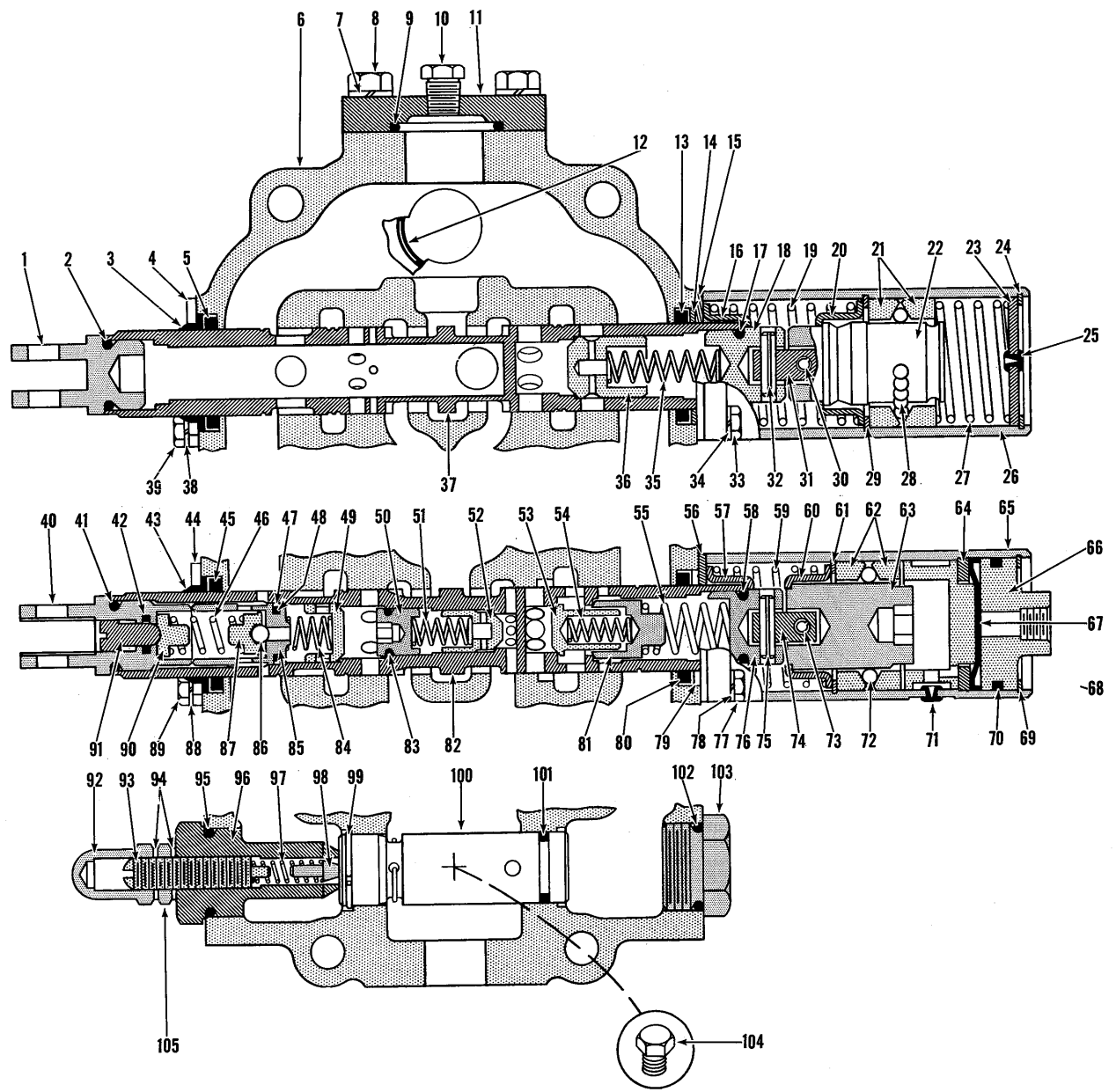
TS-8796-P

CONTROL VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1536236	VALVE ASSY (Inc. 1 thru 105)	1	27	945863	SPRING, Cap	1
1	946265	EYE, Plunger	1	28	10J-08	BALL	17
2	888295	O-RING, Plunger Eye	1	29	1302111	RING, Retaining	1
3	946638	WIPER, Plunger.....	1	30	302602	PIN, Roll	1
4	946637	PLATE, Retaining.....	1	31	944148	PIN, Cap.....	1
5	946584	SEAL, Plunger	1	32	302602	PIN, Roll	1
6	-----	§HOUSING — See Item "A".....	—	33	1C-416	BOLT, Cover to Hsg.....	4
7	4E-07	LKWSHR, Cover Mtg.	4	34	4E-04	LKWSHR, Cover to Hsg.	4
8	1C-720	BOLT, Cover Mtg.	4	35	940166	SPRING, Check.....	1
9	1306623	O-RING, Cover.....	1	36	941463	CHECK, Spring	1
10	40K-04	PLUG, Cover	1	37	-----	§PLUNGER — See Item "A".....	—
11	946382	COVER, Valve	1	38	4E-04	LKWSHR, Ret. to Hsg.	2
12	1306623	O-RING, Valve Mtg.....	1	39	1C-410	BOLT, Ret. to Hsg.	2
13	946584	SEAL, Plunger	1	40	946124	EYE, Plunger	1
14	888296	RING, Back-Up	1	41	888295	O-RING, Plunger Eye	1
15	946427	PLATE, Retaining	1	42	893675	O-RING, Adjusting Screw.....	1
16	888302	GUIDE, Spring	1	43	946638	WIPER, Plunger.....	1
17	888295	O-RING, Cap	1	44	946637	PLATE, Retaining.....	1
18	945067	CAP, Plunger	1	45	946584	SEAL, Plunger	1
19	945068	SPRING, Guide.....	1	46	946118	SPRING, Guide	1
20	888302	GUIDE, Spring	1	47	946120	SEAL, Valve Seat	1
21	945258	RETAINER, Ball	2	48	25K-20024	O-RING, Valve Seat.....	1
22	945865	CAP, Plunger	1	49	946428	CHECK, Spring	1
23	945074	PLUG, End	1	50	946429	CAP, Spring	1
24	661389	RING, Retaining	1	51	946430	SPRING, Check.....	1
25	886763	PLUG, Bleeder.....	1	52	940064	CHECK, Spring	1
26	945257	COVER, Detent.....	1	53	946431	CHECK, Spring	1

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CONTROL VALVE ASSEMBLY

TS-8796-P

[74]

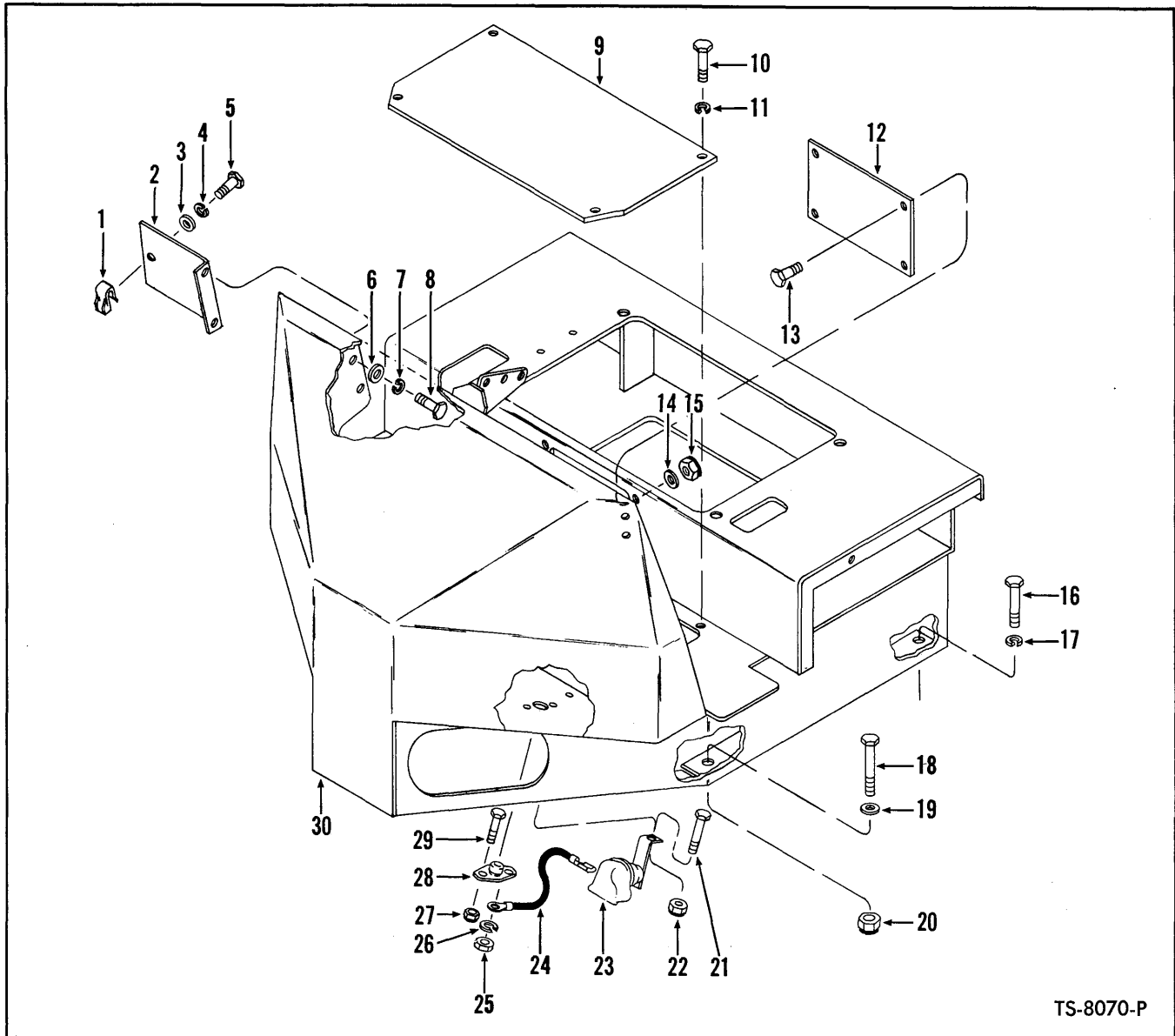
PM 2447

CONTROL VALVE ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
54	946813	SPRING, Check.....	1	80	946584	SEAL, Plunger.....	1
55	946433	SPRING, Check.....	1	81	946432	CHECK, Spring.....	1
56	946427	PLATE, Retaining.....	1	82	-----	§PLUNGER, See Item "A".....	—
57	888302	GUIDE, Spring.....	1	83	947237	O-RING, Cap.....	1
58	888295	O-RING, Cap.....	1	84	946809	SPRING, Check.....	1
59	888303	SPRING, Guide.....	1	85	946121	SEAT, Relief Valve.....	1
60	888302	GUIDE, Spring.....	1	86	-----	§BALL — See Item 87.....	—
61	1302111	RING, Retaining.....	1	87	946119	POPPET (Inc. 86).....	1
62	945258	RETAINER, Ball.....	2	88	4E-04	LKWSHR, Ret. to Hsg.....	2
63	947238	CAP, Detent.....	1	89	1C-410	BOLT, Ret. to Hsg.....	2
64	947232	SPACER, Plug.....	1	90	946117	GUIDE, Spring.....	1
65	947230	COVER, Detent.....	1	91	946126	SCREW, Adjusting.....	1
66	947231	PLUG, Cover.....	1	92	944853	NUT, Acorn.....	1
67	947214	DIAPHRAGM.....	1	93	944855	SCREW, Adjusting.....	1
68	947233	PLUG, Cover.....	1	94	613750	WASHER, Jam Nut.....	2
69	661389	RING, Retaining.....	1	95	25K-40104	O-RING, Cap.....	1
70	1306624	O-RING, Plug.....	1	96	945870	CAP, Relief Valve.....	1
71	886763	PLUG, Bleeder.....	1	97	886753	SPRING, Relief Valve.....	1
72	10J-08	BALL.....	17	98	886739	POPPET, Relief Valve.....	1
73	660178	PIN, Roll.....	1	99	945081	RING, Retaining.....	1
74	944148	PIN, Cap.....	1	100	945868	VALVE, Relief (Inc. 99, 101).....	1
75	302602	PIN, Roll.....	1	101	945869	O-RING, Valve.....	1
76	946452	CAP, Plunger.....	1	102	25K-40104	O-RING, Cap.....	1
77	1C-416	BOLT, Cover to Hsg.....	4	103	888294	CAP, Relief Valve.....	1
78	4E-06	LKWSHR, Cover to Hsg.....	4	104	40K-04	PLUG, Relief Valve.....	1
79	888296	RING, Back-Up.....	1	105	8D-08	JAM NUT.....	1

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

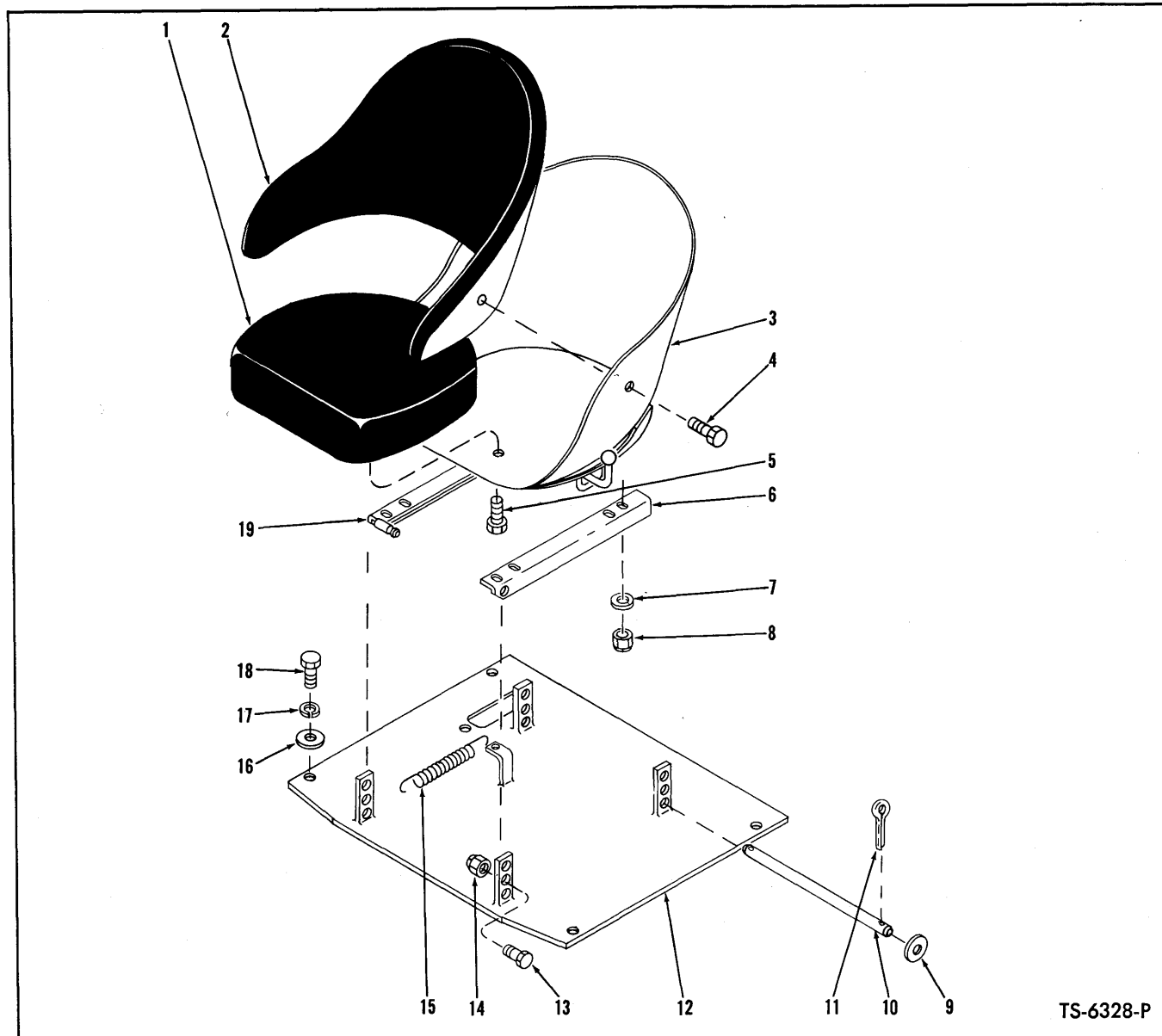


TS-8070-P

COCKPIT, HORN AND HORN SWITCH

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	572729	CAGED NUT, Panel to Cockpit	1	16	24C-840	BOLT, Cockpit Mounting	2
2	574026	PANEL, R.H.	1	17	4E-08	LKWSHR, Cockpit Mtg.	2
3	565280	WASHER, Panel to Cockpit....	1	18	24C-840	BOLT, Cockpit Mounting	2
4	4E-06	LKWSHR, Panel to Cockpit....	1	19	619029	WASHER, Cockpit Mtg.	4
5	23C-616	BOLT, Panel to Cockpit	1	20	18D-08	NUT, Cockpit Mounting	4
6	565280	WASHER, Panel to Cockpit....	2	21	24C-416	BOLT, Horn to Cockpit	1
7	4E-06	LKWSHR, Panel to Cockpit....	2	22	18D-04	NUT, Horn to Cockpit	1
8	23C-616	BOLT, Panel to Cockpit	2	23	885083	HORN	1
9	568946	COVER, Floorboard	1	24	572373	WIRE, Horn to Switch	1
10	23C-816	BOLT, Cover to Cockpit	4	25	15D-06	NUT, Wire to Switch	1
11	4E-08	LKWSHR, Cover to Cockpit....	4	26	4E-06	LKWSHR, Wire to Switch	1
12	1508950	COVER, Heater Hole	1	27	18D-04	NUT, Switch to Cockpit	2
13	23C-612	BOLT, Heater Hole Cover....	4	28	778570	FOOT SWITCH, Horn (Inc. 25, 26)	1
14	-----	OMIT	---	29	24C-416	BOLT, Switch to Cockpit....	2
15	17D-3	NUT, Heater Hole Cover	4	30	1532586	COCKPIT	1

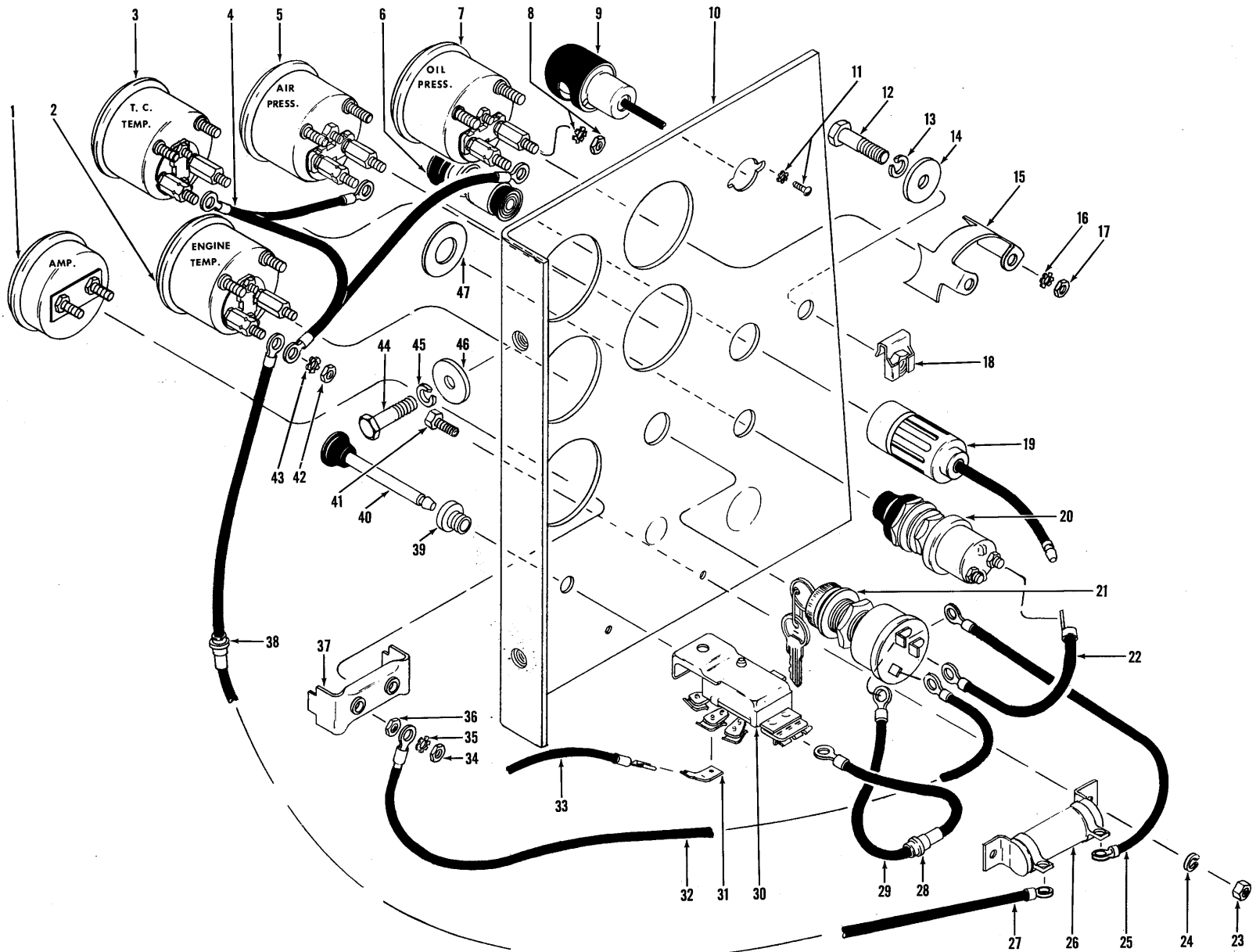
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



SEAT AND SUPPORT GROUP

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	546687	SEAT ASSY, Bucket (Inc. 1 thru 5)	1	11	1F-420	COTTER, Seat Mounting Bar	2
1	944499	CUSHION, Seat	1	12	568781	SUPPORT, Seat	1
2	944981	CUSHION, Back Rest	1	13	24C-824	BOLT, Seat Pivot	2
3	944982	BUCKET	1	14	18D-08	NUT, Seat Pivot	2
4	1C-610	BOLT, Cushion Mounting	3	15	550301	SPRING	1
5	1C-610	BOLT, Cushion Mounting	1	16	619029	WASHER, Seat Support to Frame	4
6	558779	ANGLE, Left Hand	1	17	4E-08	LKWSHR, Seat Support to Frame	4
7	619019	WASHER, Seat Mounting	4	18	23C-820	BOLT, Seat Support to Frame	4
8	18D-05	NUT, Seat Mounting	4	19	558777	ANGLE, Right Hand	1
9	664406	WASHER, Seat Mounting Bar	2				
10	557458	BAR, Seat Mounting	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



INSTRUMENT PANEL ASSEMBLY

TS-8392-P

[78]

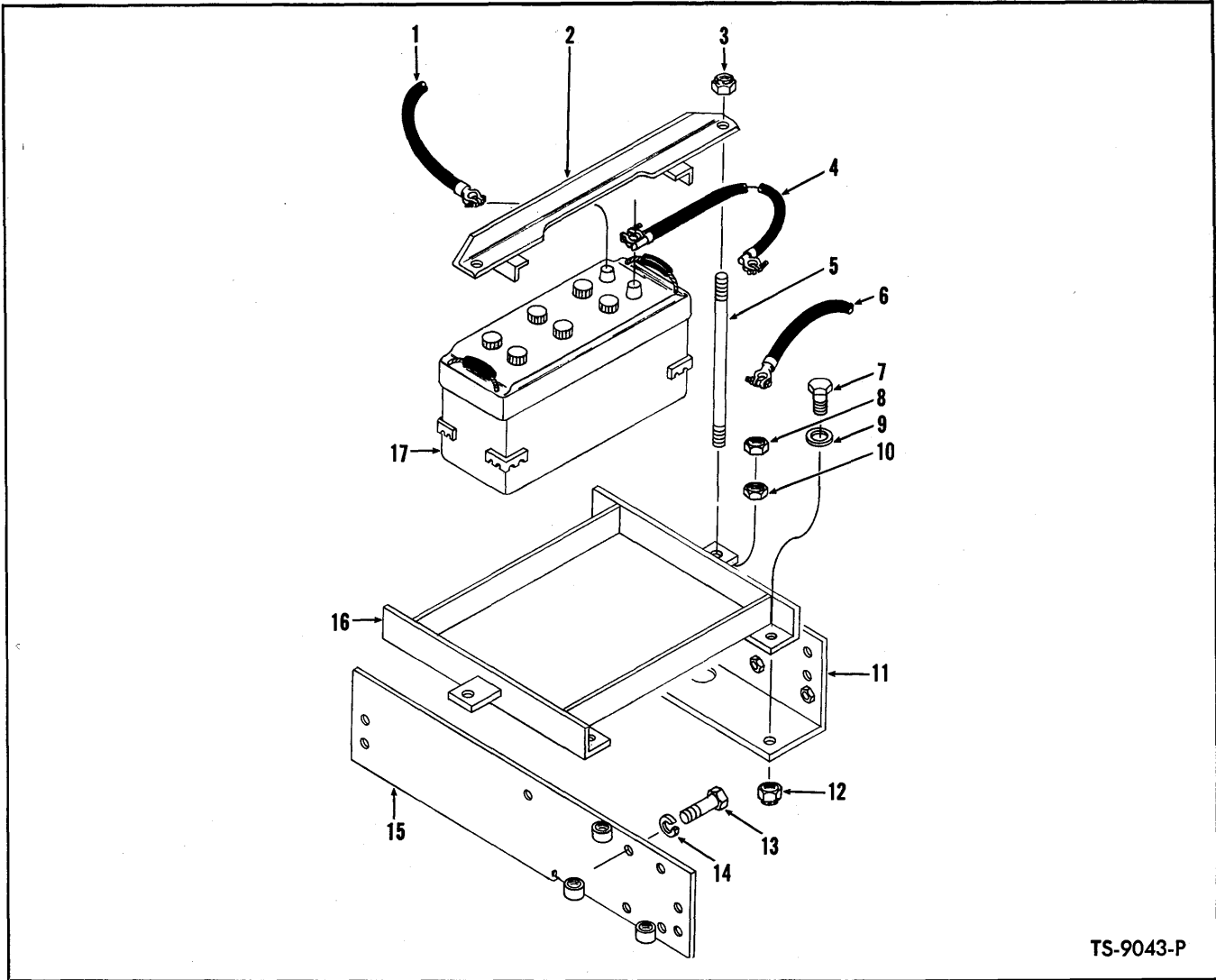
PM 2447

INSTRUMENT PANEL ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
1	1534137	AMMETER	1
2	1534143	GAUGE, Engine Temperature	1
3	1534144	GAUGE, Torque Converter Temperature	1
4	558673	HARNESS, Instrument Wiring	1
5	1534140	GAUGE, Air Pressure	1
6	944803	ELEMENT, Lighter	1
7	1534139	GAUGE, Engine Oil Pressure	1
8	14D-10	NUT, Terminal to Gauge	4
8A	12E-10	LKWSHR, Terminal to Gauge	4
9	574276	LAMP, Dash (Inc. 33)	1
9A	945055	†BULB, Dash Lamp	1
10	1526350	PANEL, Instrument	1
11	18G-606	SCREW, Dash Lamp Mounting	2
11A	12E-6	LKWSHR, Dash Lamp Mounting	2
12	23C-616	BOLT, Instrument Panel Mounting	1
13	4E-06	LKWSHR, Instrument Panel Mounting	1
14	565280	WASHER, Instrument Panel Mounting	1
15	1534136	CLAMP, Gauge Mounting	4
16	12E-10	LKWSHR, Gauge Mounting	8
17	14D-10	NUT, Gauge Mounting	8
18	572729	CAGED NUT, Panel Retaining	1
19	549024	RECEPTACLE, Lighter (Inc. 19A)	1
19A	944804	†FUSE, Lighter	1
20	600259	BUTTON, Starter Push (Inc. 20A)	1
20A	857420	†BOOT, Starter Button	1
21	573548	SWITCH, Ignition	1
22	553405	WIRE, Ignition Switch to Starter Button	1
23	12D-6	NUT, Resistor to Panel	2
24	17E-6	LKWSHR, Resistor to Panel	2
25	553405	WIRE, Ignition Switch to Resistor	1
26	556489	RESISTOR, Voltage	1
27	573587	WIRE, Resistor to Eng. Temp. Gauge (Inc. 38)	1
28	611074	FUSE — 20 Amp	1
29	552946	WIRE, Ignition Switch to Light Switch (Inc. 28)	1
30	550741	SWITCH, Light	1
31	574275	TAB, Light Switch	1
32	553405	WIRE, Ignition Switch to Ammeter	1
33	—	§WIRE, Dash Lamp (See Item 9)	—
34	14D-10	NUT, Terminal to Ammeter	2
35	12E-10	LKWSHR, Terminal to Ammeter	2
36	14D-10	NUT, Ammeter Mounting	2
37	601212	CLAMP, Ammeter Mounting	2
38	571021	FUSE — ¾ Amp	1
39	550743	BUSHING, Light Switch	1
40	550742	ROD, Light Switch	1
41	85G-608	SCREW, Resistor to Panel	2
42	12D-8	NUT, Terminal to Gauge	4
43	12E-8	LKWSHR, Terminal to Gauge	4
44	23C-616	BOLT, Instrument Panel Mounting	2
45	4E-06	LKWSHR, Instrument Panel Mounting	2
46	565280	WASHER, Instrument Panel Mounting	2
47	547237	PLATE, Starter Button	1

§Not Sold Separately
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

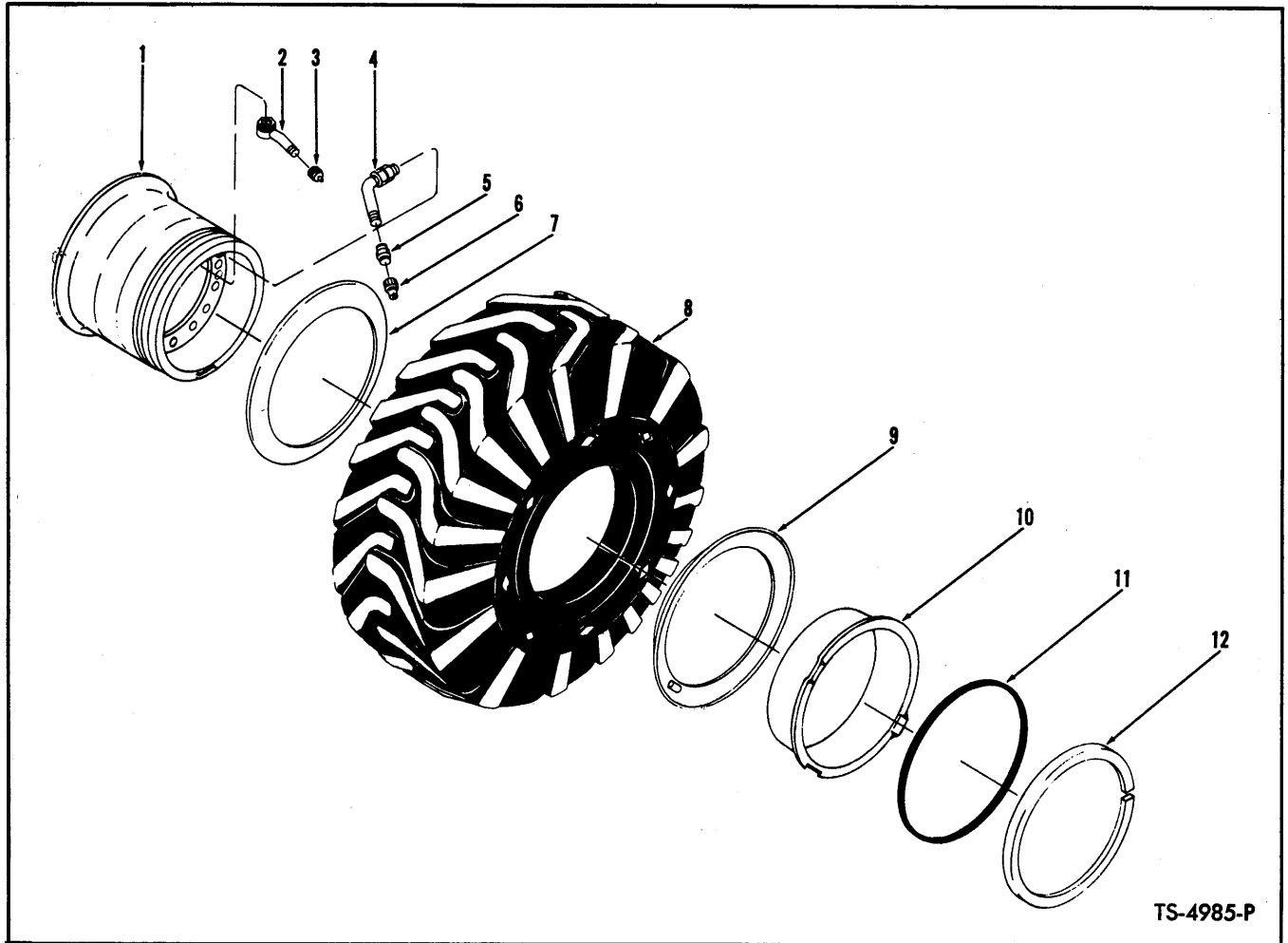


TS-9043-P

BATTERIES, BATTERY BOX AND HOLD DOWN

Item No.	Part No.	Description	No. Req'd.
1	593227	CABLE, Battery to Starter	1
2	5666629	HOLD DOWN, Battery	1
3	17D-2	NUT, Hold Down	2
4	529359	CABLE, Battery Connecting	1
5	600183	STUD, Hold Down	2
6	557334	CABLE, Ground	1
7	24C-620	BOLT, Battery Box to Carrier	4
8	7D-05	NUT, Jam	2
9	619024	WASHER, Battery Box to Carrier	4
10	7D-05	NUT, Jam	2
11	1531791	CARRIER, Front	1
12	18D-06	NUT, Battery Box to Carrier	4
13	23C-616	BOLT, Carrier to Mtg.	8
14	4E-06	LKWSHR, Carrier Mtg.	8
15	1531798	CARRIER, Rear	1
16	1531789	BATTERY BOX	1
17	1310121	BATTERY	2

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-4985-P

WHEEL AND TIRE

4 Wheels used per machine – Quantities listed below are for 1 Wheel only

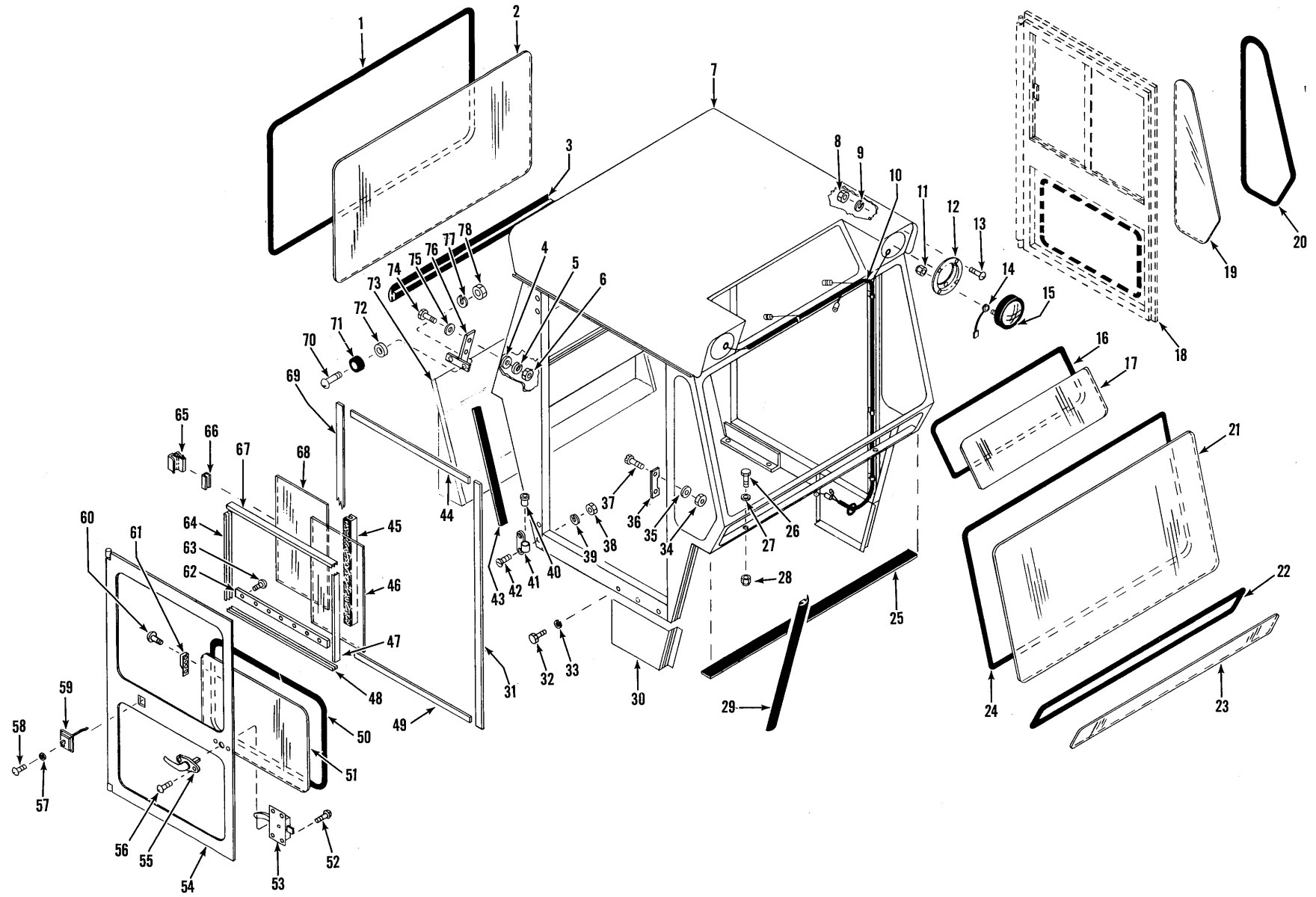
Item No.	Part No.	Description	No. Req'd.
	<u>20.5 x 25</u> <u>23.5 x 25</u>		
1	538566 509440	WHEEL	1
2	_____ 531112	STEM, Water Filling (Inc. 2A, 2B, 3)	1
2A	_____ 529605	†NUT	1
2B	_____ 529606	†GROMMET	1
3	_____ 531111	CAP	1
4	509445 509445	STEM, Valve (Inc. 5, 6)	1
5	551684 551684	ADAPTER, Valve Stem	1
6	551685 551685	CAP, Valve Stem	1
7	424964 551341	FLANGE	1
8	_____ _____	§TIRE	1
9	424964 551341	FLANGE	1
10	553956 553956	BAND, Bead Seat	1
11	580278 580278	O-RING	1
12	580274 580274	RING, Lock	1
13	_____ 573366	†SEAL, Bead Seat (See Note "A")	2

†Not Illustrated

§Not Sold Separately

NOTE "A" – Two (2) 573366 Seals used per wheel with 23.5 x 25 Michelin Tires only.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CAB ASSEMBLY

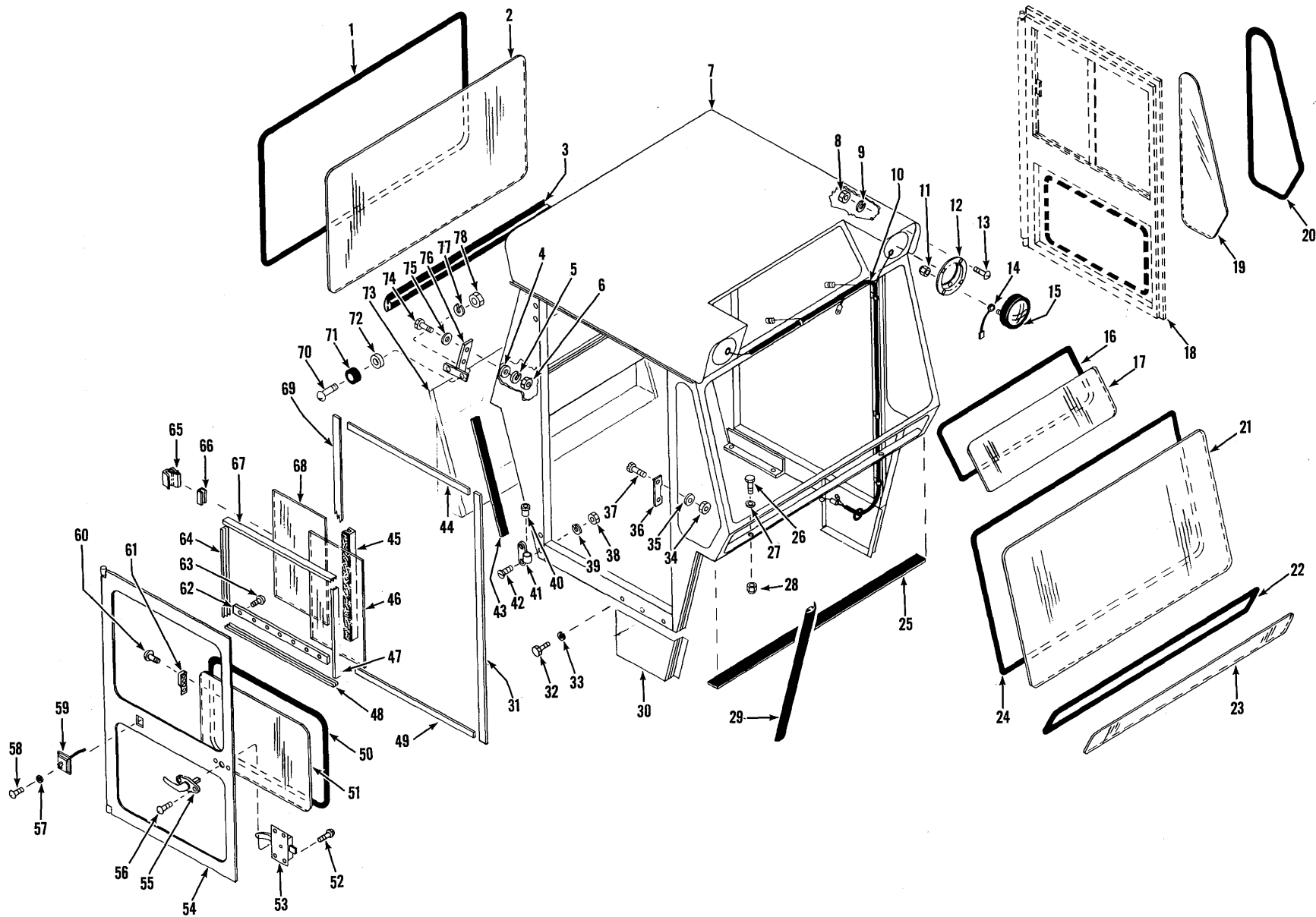
TS-8345-P

CAB ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1536572	CAB ASSY (Inc. 1 thru 9, 12, 13, 16 thru 25, 29 thru 72, 74 thru 78)	1	20	569694	MOULDING, Quarter Window	10 ft.
1	569694	MOULDING, Rear Window....	11 ft.	21	-----	GLASS PATTERN, Upper Windshield (See 79) ..	—
2	-----	§ GLASS PATTERN, Rear Window (See 79)....	—	22	569694	MOULDING, Lower Windshield.....	10 ft.
3	1521846	WEATHERSTRIP, Cab — Rear	5 ft.	23	-----	§ GLASS PATTERN, Lower Windshield (See 79) ..	—
4	619018	WASHER, Door Latch Strike Attaching	4	24	569694	MOULDING, Upper Windshield	12 ft.
5	4E-04	LKWSHR, Door Latch Strike Attaching	4	25	1521844	WEATHERSTRIP, Cab Front....	4 ft.
6	1D-04	NUT, Door Latch Strike Attaching	4	26	24C-628	BOLT, Cab Attaching (Front)	2
7	-----	§ CAB (See "A")	—	26A	24C-624	† BOLT, Cab Attaching (Side)..	4
8	12D-10	NUT, Head Lamp Adapter Attaching	8	27	616783	WASHER, Cab Attaching.....	6
9	17E-10	LKWSHR, Head Lamp Adapter Attaching	8	28	18D-06	NUT, Cab Attaching.....	6
10	568654	WIRING HARNESS, Cab	1	29	569692	WEATHERSTRIP, Cab Front....	5 ft.
10A	541988	† CLIP, Wiring Harness	4	30	568686	PANEL, Lower Quarter—R.H.	1
10B	515069	† GROMMET, Cab Wiring Harness	1	30A	568687	§ PANEL, Lower Quarter—L.H.	1
11	50D-10	NUT, Head Lamp Attaching..	6	31	943623	WEATHERSTRIP, Door—Front	7 ft.
12	568675	ADAPTER, Head Lamp	2	32	23C-410	BOLT, Quarter Panel to Cab..	6
13	85G-1012	SCREW, Head Lamp Adapter	8	33	4E-04	LKWSHR, Quarter Panel to Cab.....	6
14	540882	WIRE, Head Lamp Ground....	2	34	1D-04	NUT, Door Lock Strike Attaching	4
15	582057	HEAD LAMP ASSY — 24 VOLT (Inc. 15A & 15B) ..	2	35	4E-04	LKWSHR, Door Lock Strike Attaching	4
15A	551244	† SEALED UNIT, Head Lamp....	2	36	945576	STRIKE, Door Lock	2
15B	944977	† RETAINER, Head Lamp	2	37	47G-412	SCREW, Door Lock Strike Attaching	4
16	569694	MOULDING, Roof Glass.....	6 ft.	38	1D-05	NUT, Cab Door Hinge Attaching	8
17	-----	§ GLASS PATTERN, Roof (See 79)	—	39	4E-05	LKWSHR, Cab Door Hinge Attaching	8
18	-----	DOOR (See 54)	—	40	568700	BUSHING, Cab Door Hinge..	4
19	-----	§ GLASS PATTERN, Quarter Window (See 79) ..	—				

§ Not Sold Separately
† Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CAB ASSEMBLY

TS-8345-P

CAB ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
41	945555	HINGE, Cab Door — R.H. Upper & L.H. Lower	2	61	557465	STRIKE, Window Lock	4
41A	945554	†HINGE, Cab Door — L.H. Upper & R.H. Lower	2	62	945577	RETAINER, Glass Channel	2
42	76G-512	SCREW, Cab Door Hinge Attaching	8	63	65G-1008	SCREW, Retainer to Door	14
43	943623	WEATHERSTRIP, Cab Rear	3 ft.	64	569696	CHANNEL, Side Glass Run (Rear)	4 ft.
44	943623	WEATHERSTRIP, Door Upper ..	5 ft.	65	589571	LOCK, Sliding Glass	4
45	139149	CHANNEL, Glass Divider	4 ft.	66	946115	RUBBER, Lock to Glass Mounting	1 ft.
46	-----	§GLASS PATTERN, Sliding Door (See 79)	—	67	569696	CHANNEL, Side Glass Run (Upper)	4 ft.
47	569696	CHANNEL, Side Glass Run — Front	4 ft.	68	-----	§GLASS PATTERN, Sliding Door (See 79)	—
48	569696	CHANNEL, Side Glass Run — Lower	4 ft.	69	943623	WEATHERSTRIP, Door — Rear ..	7 ft.
49	943623	WEATHERSTRIP, Door Lower ..	5 ft.	70	85G-1016	SCREW, Bumper to Latch Strike	2
50	569694	MOULDING, Door Glass — Lower	10 ft.	71	560651	BUMPER, Latch Strike	2
51	-----	§GLASS PATTERN, Door Glass Lower (See 79)	—	72	874767	SPACER, Bumper Mounting ..	2
52	66G-1008	SCREW, Door Lock to Door ..	8	73	571854	PANEL, Cab — Rear	1
53	942874	LOCK, Door — R.H.	1	73A	24C-616	†BOLT, Panel Attaching	5
53A	138249	†LOCK, Door — L.H.	1	73B	664423	†WASHER, Panel Attaching	5
54	1536570	DOOR — R.H.	1	73C	18D-06	†NUT, Panel Attaching	5
54A	1536571	†DOOR — L.H.	1	74	23C-416	BOLT, Latch Strike Attaching ..	4
55	1525907	HANDLE, Door	2	75	619018	WASHER, Latch Strike Attaching	4
55A	1525710	†HANDLE, Door — Keyed (Optional Equip.)	2	76	574992	STRIKE, Door Latch — L.H.	1
56	32G-1008	SCREW, Handle to Door	4	76A	1501803	†STRIKE, Door Latch — R.H.	1
57	17E-10	LKWSHR, Door Catch Attaching	8	77	17E-10	LKWSHR, Bumper to Strike Attaching	2
58	87G-1010	SCREW, Door Catch Attaching	8	78	12D-10	NUT, Bumper to Strike Attaching	2
59	560650	CATCH, Door	2	79	945999	†GLASS PATTERN KIT (Inc. 2, 17, 19, 21, 23, 46, 51 & 68) ..	1
60	5G-606	SCREW & LKWSHR ASSY, Window Lock Strike Attaching	8				

†Not Illustrated
§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

DECALS AND NAME PLATES

Item No.	Part No.	Description	No. Req'd.
1	547852	*DECAL, Michigan	3
2	547851	*DECAL, Clark Equipment	2
3	1520495	*DECAL, "Best on Earth"	2
4	1503113	*DECAL, Model	2
5	1505536	*DECAL, Engine Warm-up Warning	1
6	572740	*DECAL, Warning	2
7	1505537	*DECAL, Safety Warning	1
8	1505581	*DECAL, Safety Wiring	1
9	538256	*DECAL, Drain	1
10	1534502	*DECAL, Transmission Filter	1
11	542074	PLATE, Patent	1
12	6C-605	SCREW, Patent Plate	4
13	562302	PLATE, Lubrication	1
14	6C-605	SCREW, Lubrication Plate	4
15	565139	STRIP, Non-Skid Abrasive 6" x 25"	2
16	1531606	STRIP, Non-Skid Abrasive 6" x 12½"	6
17	1527430	PLATE, Reservoir Strainer Service	1

*NOTE: Contact your local Michigan Distributor for the above listed decals.

WIRING

Item No.	Part No.	Description	No. Req'd.
1	1502598	HARNESS, Engine Wiring	1
2	1502600	HARNESS, Cockpit	1
3	1502658	HARNESS, Flood Lights — Front	1
4	572360	HARNESS, Flood Lights — Rear	1
5	1526349	HARNESS, Tail Light	1
6	558960	WIRE, Hourmeter	2
7	696048	WIRE, Back-Up Light Ground	2

BATTERY CABLES

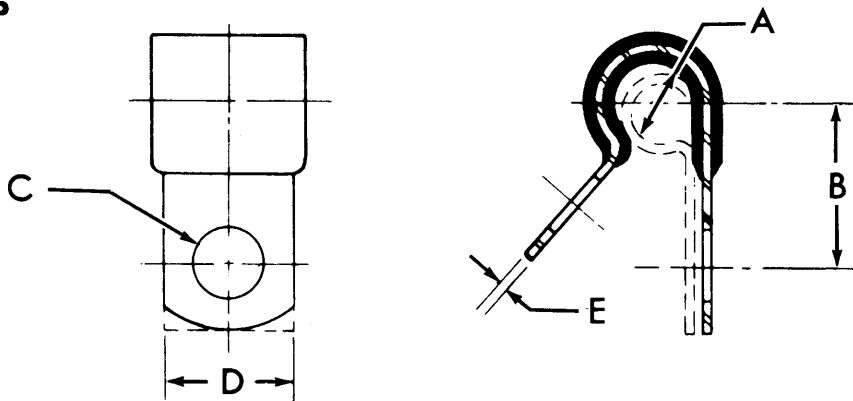
Item No.	Part No.	Description	No. Req'd.
1	557334	CABLE, Battery to Ground	1
2	593227	CABLE, Battery to Starter	1
3	529359	CABLE, Battery to Battery	1
4	532549	CABLE, Starter to Ground	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

WIRING, PIPE AND HOSE CLIPS

The following types of clips are used in connection with the various wiring, fuel, air and hydraulic piping systems employed in this unit. When replacing clips identification can be made by checking type and physical dimensions listed to obtain part number.

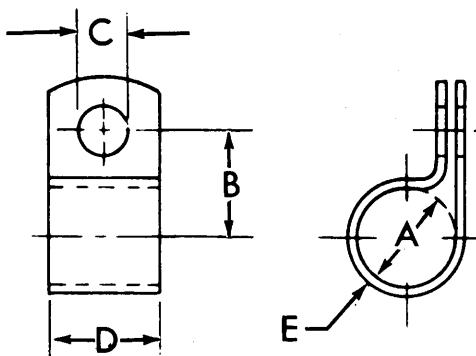
INSULATED CLIP



TS-5008-P

Item No.	PART NUMBER	A	B	C	D	E
1	30H-12	$\frac{3}{16}$	$\frac{5}{8}$	$\frac{13}{32}$	$\frac{3}{4}$.032
2	30H-16	$\frac{1}{4}$	$\frac{21}{32}$	$\frac{13}{32}$	$\frac{3}{4}$.032
3	30H-23	$\frac{3}{8}$	$\frac{23}{32}$	$\frac{13}{32}$	$\frac{3}{4}$.032
4	30H-31	$\frac{1}{2}$	$\frac{25}{32}$	$\frac{13}{32}$	$\frac{3}{4}$.050
5	30H-38	$\frac{5}{8}$	$\frac{27}{32}$	$\frac{13}{32}$	$\frac{3}{4}$.050
6	30H-42	$1\frac{1}{16}$	$\frac{7}{8}$	$\frac{13}{32}$	$\frac{3}{4}$.050
7	30H-46	$1\frac{3}{16}$	$1\frac{1}{16}$	$\frac{13}{32}$	$\frac{3}{4}$.050
8	30H-50	$1\frac{5}{16}$	1	$\frac{13}{32}$	$\frac{3}{4}$.050

CLOSED CLIP

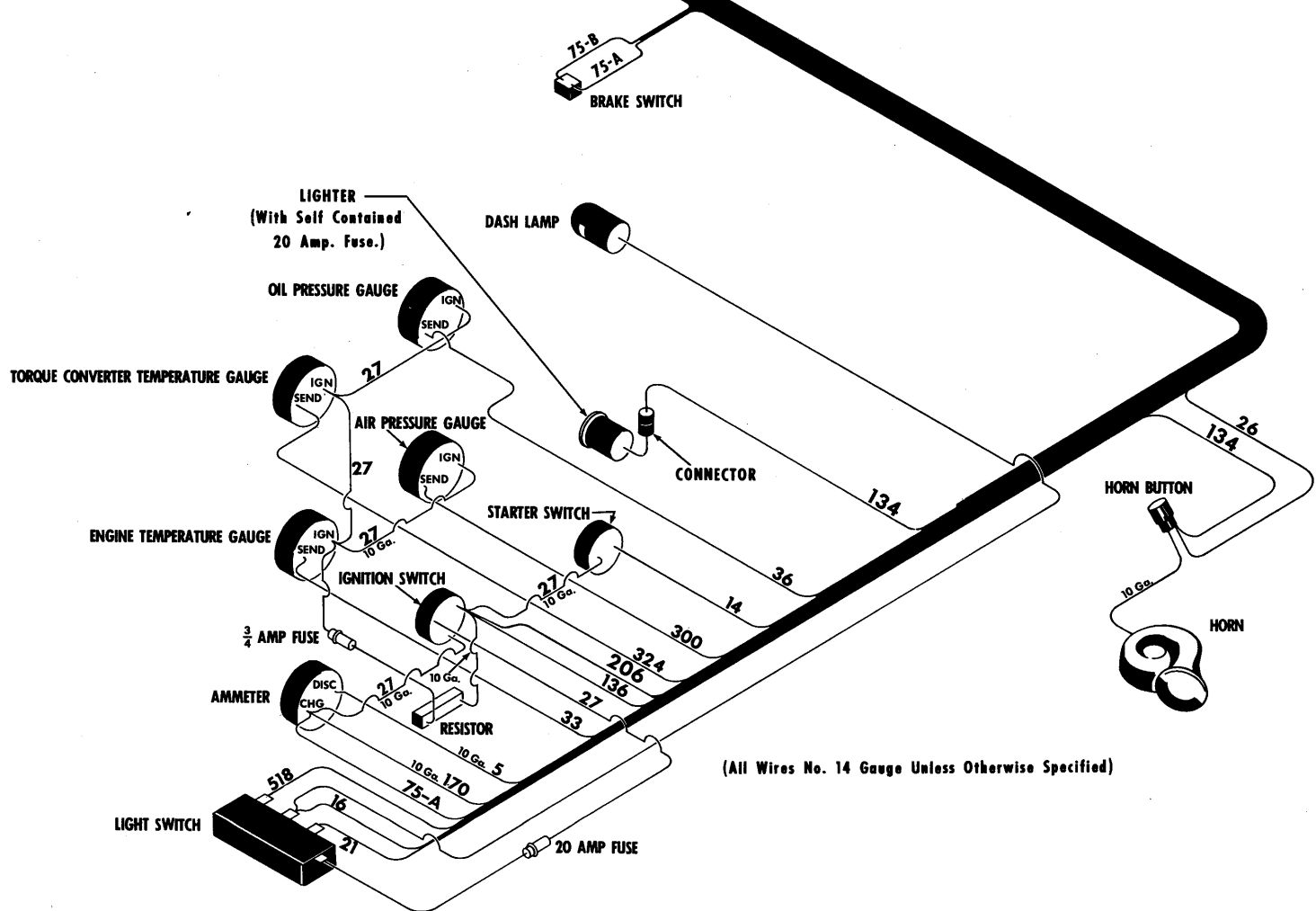
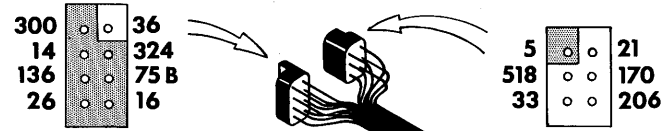


TS-5009-P

Item No.	PART NUMBER	A	B	C	D	E
9	6H-20	1	$1\frac{1}{16}$	$1\frac{1}{2}$	$\frac{7}{8}$.060

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

FRONT FACE OF PLUGS



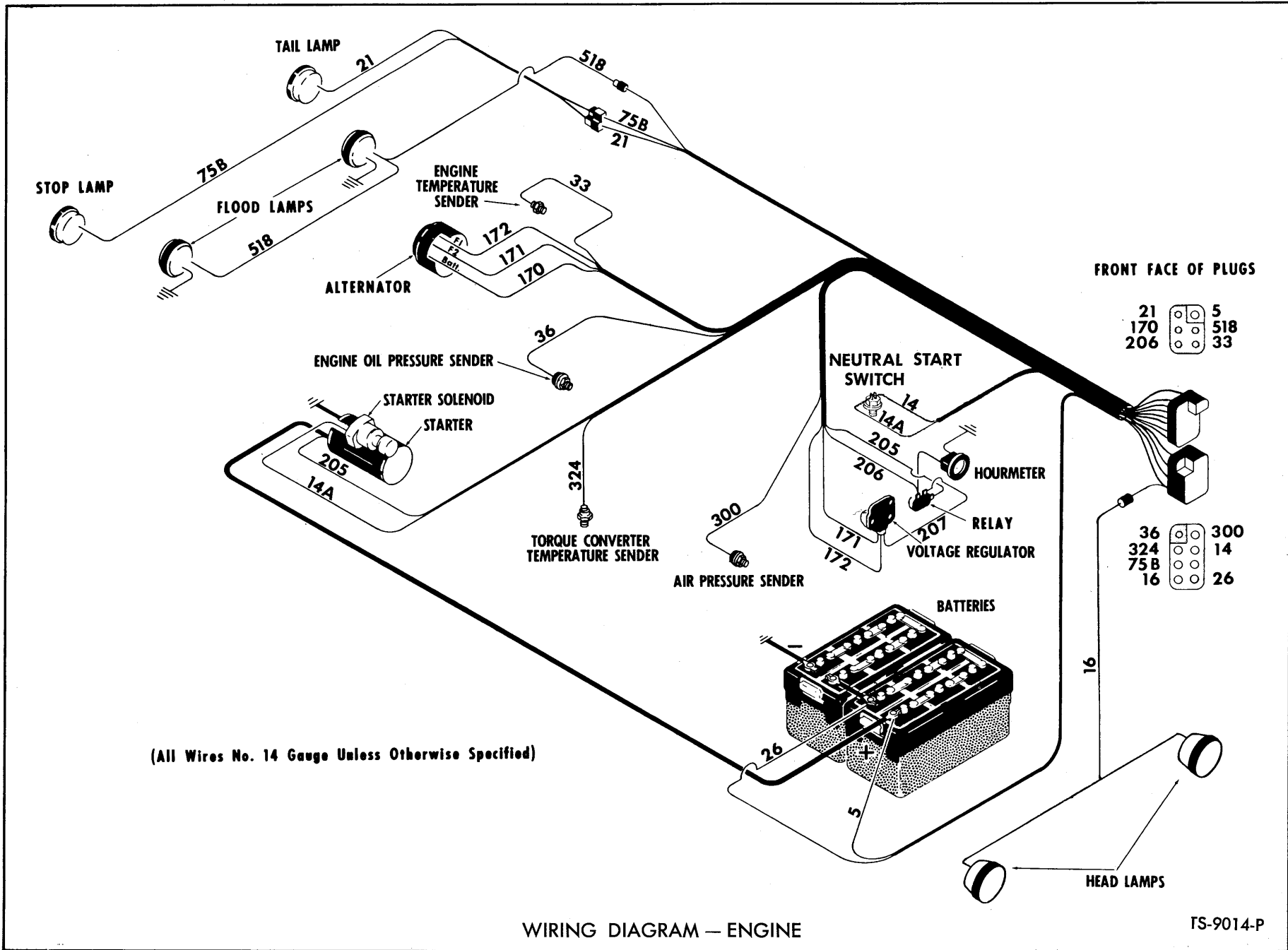
(All Wires No. 14 Gauge Unless Otherwise Specified)

WIRING DIAGRAM — COCKPIT

TS-8038-P

[88]

PM 2447



WIRING DIAGRAM — ENGINE

TS-9014-P

CLARK
EQUIPMENT

CONSTRUCTION MACHINERY DIVISION

MICHIGAN



NUMERICAL INDEX

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
100941	43, 47	116584	48	214945	33	224009	35
101196	43, 47	116632	47	214946	33	224023	41, 45
101204	43, 47	117105	43, 47	214949	33	224026	35
101210	43, 47	117225	41, 45	214951	35	224039	33
101211	43, 47	117445	41, 45	214953	35	224315	28
101213	43, 47	117448	41, 45	214954	33	224368	33
101214	43, 47	117505	48	214955	35	224369	33
101217	43, 47	117693	43	214956	33	224620	28
101218	43	117697	41, 45	214958	35	224771	26, 27
101219	43	118041	41, 45	214959	35	224772	26, 27
101220	43	118349	41, 45	214961	33	224774	26, 27
101222	43, 47	118381	41, 45	214962	62	224795	35
101223	43, 47	118383	41, 45	214985	33	225075	23, 28
101224	43, 47	118478	43, 47	214988	35	225076	26, 27
101226	43, 47	118479	43, 47	215141	23	225077	26, 27
101227	43, 47	118504	47	215143	23	225078	23, 26
102189	41, 45	118511	47	215144	23	225823	23, 25, 28
102745	23, 33	118515	47	215145	25	225824	23
103522	41, 45	118786	41, 45	215146	23	227265	37
104168	43, 47	118805	41, 45	215147	28	227672	28
104412	41, 45	118959	43	215149	25	227674	28
106206	43, 47	119021	48	215156	23	227944	25
106234	41, 45	119211	41, 45	215157	23	227945	23, 25
106355	48	119213	41, 45	215158	23	227946	25
106357	48	119214	41, 45	215159	29	227947	25
106358	48	119469	41, 45	215160	25	227949	27
106359	48	119650	41, 45	215163	23	227950	27
106457	41	119853	41, 45	215164	23	227952	27
106547	41, 43, 45, 47	120218	41, 45	215165	23	227955	26
106656	41, 45	120604	41, 45	215166	23, 27	227959	27
106998	41, 45	120605	49	215176	26, 27	227960	23, 25
107010	41, 45	120607	41, 45	215177	26, 27	228068	25
107247	41, 45	121062	41, 45	215179	26, 27	228069	25
107483	43, 47	121237	43	215180	26	228114	26, 27
107631	41, 45	121241	43	215182	26	228222	27
107632	41, 45	121242	43	215183	26, 27	228223	26
107735	41, 45	121243	43	215184	27	228234	25
107736	41, 45	138249	85	215190	26, 27	228245	26, 27
107739	41, 45	139149	85	215191	25	228246	27
108871	43, 47	190531	41	215194	28	228859	23
109597	49	190533	45	215198	23	228887	25
110523	43, 47	201566	23	215205	25	228931	28
110559	41, 45	201951	23, 33	215264	35	228943	25
110855	49	202200	28	215502	1, 37	229009	28
110939	41, 45	205928	25, 38	215757	23, 38	229010	28
110940	41, 45	206864	23, 33	215909	35	230505	28
110941	41, 45	207647	33, 62	217565	38	230529	38
111439	49	209313	35	217566	38	230553	38
111658	43, 47	211433	28, 37, 38	217567	38	230690	38
111721	43, 47	214295	23	217568	38	282900	23
112210	49	214596	35	217928	28	282901	33
112211	49	214730	35	218353	23	302602	73, 75
112212	49	214922	35	218504	38	356618	37
112213	49	214924	35	219342	28	424964	81
112216	49	214925	35	219344	28	425413	18
112278	41, 45	214928	33	219370	25	450230	33
112294	41, 43, 45, 47	214929	33	219373	25	507069	12
112295	41, 43, 45, 47	214930	33	219413	63	507688	27
112412	41, 45	214931	33	220983	33	507815	53
112695	41, 45	214932	35	221653	35	509440	81
113249	49	214933	35	222006	35	509445	81
113292	41, 45	214934	35	222079	35	509772	21
113481	49	214935	35	222179	25, 38	510452	53
114299	49	214936	33	222233	25, 38	512797	59
114301	49	214937	33	222312	33	513865	12
114302	49	214938	35	222318	33	513928	39
114351	47	214939	35	223085	26, 27	515069	83
114352	47	214941	35	223833	35	518259	51
114353	47	214943	33	223901	35	518331	55



CONSTRUCTION MACHINERY DIVISION



Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
520399	59	550741	79	568372	61	604617	61
520400	59	550742	79	568581	53	608241	3
521874	19, 37	550743	79	568649	7	610975	61
522617	65	551016	15	568654	84	611074	79
524657	53	551090	15	568659	51	613750	75
524959	18	551244	7, 83	568675	84	616783	83
525293	18, 19	551245	17	568686	84	616795	21
525805	9	551251	3	568687	84	616796	13
526451	59	551323	3, 37	568700	84	616800	18, 19
526676	37, 67	551341	81	568781	77	616809	3
527496	65	551434	17	568807	37	616848	26, 27
527497	65	551684	81	568824	37	619018	3, 83, 85
529359	80, 86	551685	81	568941	15	619019	31, 77
529605	81	551906	33, 62	568946	76	619021	9, 17
529606	81	552146	7	569389	15	619023	35, 62
529979	37	552147	7	569692	83	619024	31, 37, 80
530509	15	552161	63	569694	83, 85	619025	35
531111	81	552946	79	569696	85	619027	49
531112	81	553405	79	569739	13	619029	18, 19, 67, 76, 77
531613	64	553956	81	569909	71	620588	53
531684	61	554843	19	569914	18	623760	15
532549	86	555979	13	569963	9	623762	15
532563	65	556060	65	570131	9	623829	15
532917	59	556289	12	570419	3	635682	17, 67, 69
533139	67, 69	556426	12	571021	79	636260	53
533506	18	556489	79	571441	56	645092	30
534174	39	556655	18	571497	62	645095	31
534894	67	556703	1, 3	571511	63	648304	55
535649	17	557334	80, 86	571695	53	652448	5
536539	58	557458	77	571854	85	654141	38
537015	5	557465	85	571882	53	654613	26, 27
538068	59	557527	1	572360	84	656672	12, 17, 61, 67
538154	65	558673	79	572373	76	658244	35
538256	86	558777	77	572729	76, 79	659065	26, 27, 35
538566	81	558779	77	572740	86	659764	41, 45
539824	1	558960	3, 86	572818	5	660178	33, 75
540103	37, 53	559453	37	573366	81	660516	41, 45
540106	67	559784	11	573548	79	661389	73, 75
540107	67, 69	560186	12	573576	61	661721	25
540108	13	560594	5, 9	573587	79	662691	57
540129	61	560640	37	573924	63	663092	66, 68
540266	13	560650	85	574026	76	663093	66, 68
540306	53	560651	85	574031	7	663094	66, 68
540797	12	560967	5	574275	79	663096	66, 68
540882	83	562302	86	574276	79	664406	77
540888	53	562318	59	574290	37	664423	85
540915	53	562609	12	574992	85	666542	35
541988	83	562700	64	580274	81	666846	37
542074	86	562701	64	580278	81	666865	37
544268	12	563753	21	582057	83	667289	37
544288	12	564087	61	585500	21	669896	5
544512	30	565139	86	585596	21	675227	71
544998	31	565280	76, 79	585597	21	675252	43, 47
545005	30	565389	71	585884	61	675254	43, 47
545006	30	565934	65	585887	67	675259	43, 47
545941	56	566433	55	585972	5	675260	43, 47
546687	77	566434	55	587613	18, 19	675262	43, 47
547237	79	566629	80	587989	17	675263	43, 47
547416	17	566790	9	588003	17	675265	43, 47
547851	86	567671	69	588292	9	675316	7
547852	86	567742	19	589571	85	690279	37
548074	55	567947	21	591516	64	696048	86
548088	5	567976	17	591517	64	710943	5
548577	64	567977	21	591525	64	711298	33
549024	79	567989	64	593227	80, 86	713186	33
549040	39	567994	64	593370	53	713418	59
549243	53	567996	64	594032	67	730143	55
549717	53	568070	57	594306	53	730396	58
550044	56	568259	7, 9	600183	80	731793	61
550301	77	568276	17	600259	79	742002	35
550450	65	568339	61	601212	79	742056	33
550619	15	568371	61	604185	3	742262	41, 45

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
742263	41, 45	888296	73, 75	945374	23, 26	947233	75
743035	35	888302	73, 75	945554	85	947237	75
743439	33	888303	75	945555	85	947238	75
743563	19, 37	889239	11	945576	83	947575	1
743878	21	889242	11	945577	85	947835	70
774024	41, 45	893675	73	945740	39	947836	70
774025	41, 45	895683	11	945863	73	947951	1
778570	76	899038	58	945865	73	947952	1
791553	66, 68	899039	58	945868	75	947953	1
801192	29	940064	73	945869	75	951948	53
801193	29	940089	39	945870	75	980055	21
801213	29	940090	39	945989	1, 19	1010736	5
801214	29	940091	39	945996	51	1103680	5
801215	29	940092	39	945999	85	1301361	15, 21
801216	29	940093	39	946064	5	1301478	5
801217	29	940111	55	946099	63	1302111	73, 75
801363	23	940166	73	946100	63	1302700	5
801546	33	940229	39	946101	39	1303319	11
801608	35	940250	39	946115	85	1306622	66, 67, 68
815200	43, 47	940251	39	946117	75	1306623	66, 68, 73
815521	43, 47	941226	31	946118	73	1306624	75
815565	41, 45	941227	31	946119	75	1306625	66, 68
815737	43, 47	941238	31	946120	73	1306626	55
815746	43, 47	941463	73	946121	75	1306699	53
850756	55	941568	59	946124	73	1310121	81
851756	55	941813	53	946126	75	1500793	12
851762	55	942646	53	946132	1	1501803	85
851770	55	942734	39	946138	55	1502570	70
853182	55	942735	39	946139	55	1502576	9
853187	55	942749	39	946205	63	1502598	86
853357	55	942874	85	946213	41, 45	1502600	86
853380	55	943426	55	946257	63	1502645	69
853384	55	943429	55	946258	63	1502656	69
853391	55	943436	55	946259	63	1502658	86
853395	55	943437	55	946260	63	1502664	12
853525	55	943438	55	946265	73	1502665	12
853526	55	943439	55	946271	63	1502703	61
853527	55	943440	55	946372	62	1502704	61
856250	38	943623	83, 85	946382	73	1502705	61
857420	79	943957	18	946389	17	1502825	53
857729	55	944054	31	946427	73, 75	1502845	65
860997	55	944148	73, 75	946428	73	1502846	65
861741	55	944404	12	946429	73	1502848	65
861768	55	944467	58	946430	73	1502851	65
862652	31	944469	58	946431	73	1502853	65
862653	31	944471	58	946432	75	1502854	65
862655	31	944499	77	946433	75	1502915	5
862656	31	944643	58	946452	75	1502930	65
862738	31	944645	58	946584	73, 75	1502976	69
863364	13	944646	58	946637	73	1502978	69
865961	57	944688	39	946638	73	1502979	69
865963	57	944803	79	946809	75	1502981	69
865965	57	944804	79	946813	75	1502983	69
866348	31	944810	12	946860	12	1502987	67
866349	31	944853	75	946897	1, 12	1502990	67
873250	55	944855	75	946898	12	1502993	3
874767	85	944862	39	946899	12	1502994	3
875012	53	944872	7	946943	37	1502996	67
875766	51	944968	31	946953	18	1503013	65
875767	51	944969	31	946954	18	1503026	64
876575	57	944977	84	947165	11	1503113	86
883734	58	944981	77	947175	11	1503251	71
885083	76	944982	77	947176	11	1503266	15
886526	12	945055	79	947177	11	1503267	13
886527	12	945057	39	947178	11	1503464	64
886718	29	945067	73	947179	11	1503467	65
886739	75	945068	73	947214	75	1503579	18
886753	75	945074	73	947225	11	1503591	9
886763	73, 75	945081	75	947226	11	1503592	9
886851	55	945257	73	947230	75	1503593	9
888294	75	945258	73, 75	947231	75	1503629	59
888295	73, 75	945334	55	947232	75	1503631	59

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
1503639	59	1522535	71	1531419	37	1531857	53
1503715	59	1523209	15	1531554	71	1531873	53
1503853	37	1523210	15	1531555	71	1531927	61
1503854	67	1523263	64	1531557	71	1531929	61
1504635	37	1524878	37	1531573	5	1531937	69
1504636	37	1525089	51	1531593	19	1531938	67
1504638	37	1525629	69	1531600	19	1531942	59
1504663	5	1525710	84	1531606	86	1531949	59
1504810	67	1525907	84	1531650	7	1531950	59
1504949	5	1526006	3	1531660	30	1531954	7
1505536	86	1526349	86	1531661	30	1531982	53
1505537	86	1526350	79	1531663	21	1531983	53
1505581	86	1527430	86	1531667	21	1531984	53
1506747	69	1528637	9	1531670	21	1532183	67
1506753	5, 7	1528638	9	1531672	21	1532184	15
1506818	5	1529315	12	1531680	21	1532445	1, 19
1506854	53	1529625	12	1531703	15	1532552	9
1506855	69	1529679	19	1531707	15	1532586	76
1506856	67	1529702	19	1531710	18	1532766	17
1506902	53	1529704	19	1531714	18	1532806	37
1506938	9	1529896	19	1531719	18	1532819	37
1506939	5	1529949	37	1531727	5	1532917	5
1507654	5	1530002	12	1531766	5	1533614	37
1507655	5	1530004	12	1531773	13	1533801	64
1508478	71	1530009	12	1531775	7	1533873	21
1508479	71	1530264	59	1531783	7	1533875	21
1508624	3	1530438	9	1531784	61	1533876	21
1508846	21	1530441	9	1531786	13	1534135	53
1508950	76	1530442	9	1531787	7	1534136	79
1509155	67	1530450	9	1531788	7	1534137	79
1509548	64	1530598	19	1531789	80	1534139	79
1509812	64	1530599	19	1531791	80	1534140	79
1509813	64	1530621	9	1531793	17	1534143	79
1520109	65	1530623	9	1531798	80	1534144	79
1520190	15	1530636	9	1531801	17	1534502	86
1520193	15	1530777	65	1531803	17	1535217	64
1520495	86	1530842	5	1531804	17	1536073	64
1521083	37	1530843	5	1531805	17	1536236	73
1521804	7	1530845	5	1531809	13	1536275	21
1521844	83	1530931	5	1531810	67	1536556	67
1521846	83	1530949	5	1531813	69	1536570	85
1521875	19	1530953	7	1531815	12	1536571	85
1522035	5	1531345	7	1531850	53	1536572	83
1522216	21	1531346	5	1531851	53	1536854	67
1522219	21	1531395	37	1531853	18	1536855	69
1522220	21	1531401	37	1531854	53	1536947	69
1522428	5	1531403	37	1531855	53	1537313	67
1522429	5	1531418	69	1531856	53	1618574	3

NOTES



CONSTRUCTION MACHINERY DIVISION



NOTES

Lined area for notes with multiple horizontal lines.

CLARK
EQUIPMENT

CONSTRUCTION MACHINERY DIVISION

MICHIGAN

