

MICHIGAN

PARTS MANUAL

No. 1657

Series I

MODELS 55A and 55B TRACTOR SHOVEL

Information contained herein pertains to
machine serial numbers listed below:

55A — 3726 thru 3855, 1BCO134 thru 1BCO282,
2BCO1 thru 2BCO999

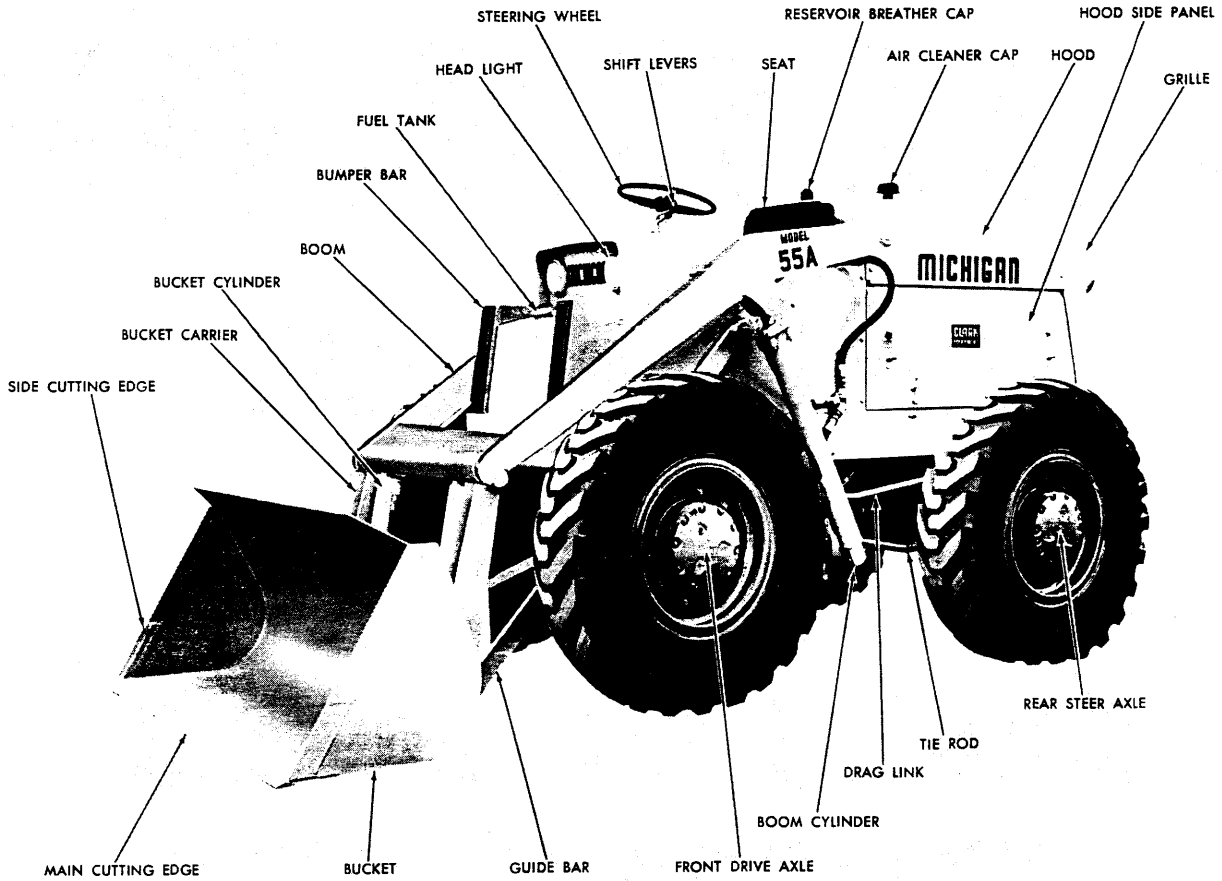
55B — 50BCO1 thru 50BCO999

Record Your Machine
Serial Number Here

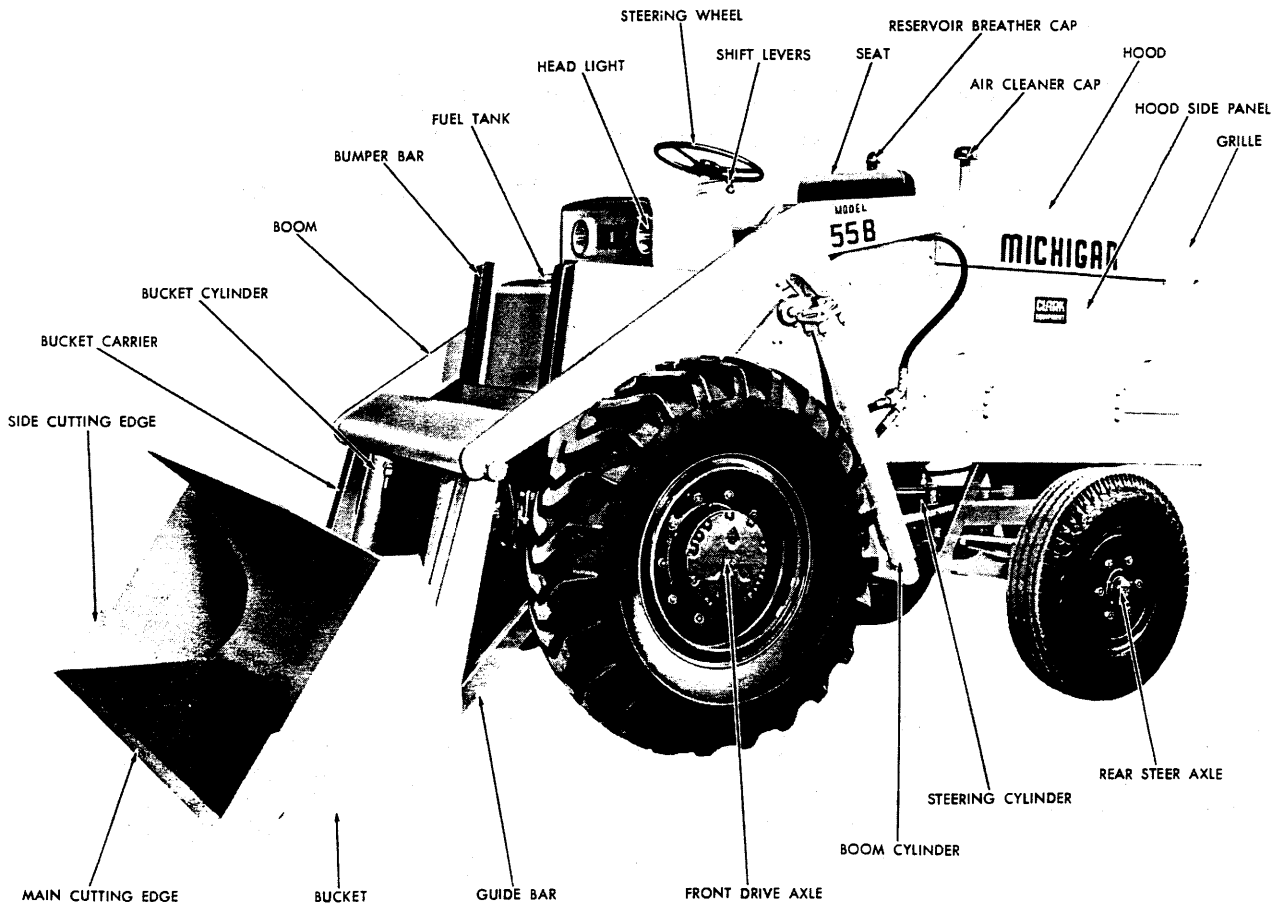
CLARK
EQUIPMENT

CLARK EQUIPMENT COMPANY
Construction Machinery Division
BENTON HARBOR, MICHIGAN, U.S.A.
In Canada: Canadian Clark, Ltd., St. Thomas, Ontario

MICHIGAN



Model 55A Series I



Model 55B Series I

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ENGINE AND ACCESSORIES — CONTINENTAL POWERED

All orders for engine assembly or components thereof should be placed with the nearest Continental Motors Corporation Distributor. Always give model, specifications and serial number of your engine. This data will be found on nameplate attached to side of the engine.

Item No.	Part No.	Description	No. Req'd.
ENGINE SUPPORT PARTS			
1	524699	STUD, Front Engine Mounting	1
2	524703	MOUNTING, Upper Rubber	1
3	524702	CUP, Retainer Upper	1
4	710066	MOUNTING, Lower Rubber.....	1
5	524704	WASHER, Front Lower Mounting	2
6	524705	WASHER, Front Upper Mounting	2
7	4D-10	NUT, Front Mounting Stud	1
8	1F-424	COTTER, Front Mounting Stud.....	1
ENGINE ACCESSORIES			
9	551323	SENDER UNIT, Engine Temperature....	1
10	550832	**SENDER UNIT, Oil Pressure	1
11	636260	SWITCH, Hourmeter Pressure	1

GENERATOR AND MOUNTING PARTS

12	940133	GENERATOR (D.R.#1102009)	1
		For Serial: 55A — 3726 thru 3855, 1BCO134 thru 1BCO282, 2MCO1 thru 2BCO999.	
		55B — 50BCO1 thru 50BCO32.	

NOTE: For 55B Serial 50BCO33 and thereafter see page 1A.

13	940135	ARMATURE, Generator (D.R.#1927182)	1
14	1801015	BRUSH, Generator	2
15	619052	FAN, Generator	1
16	630506	BAFFLE, Generator	1
17	529688	PULLEY, Generator	1
18	2C-518	BOLT, Generator to Bracket.....	2
19	2D-05	NUT, Generator to Bracket	2

*NOTE: For complete replacement of 520901 Starter, use 585314 Starter. **NOTE: For replacement refer to Service Gram S.G.-326B.

Item No.	Part No.	Description	No. Req'd.
20	8D-05	NUT, Generator to Bracket	2
21	878125	CLIP, Generator Adjusting Strap	1
22	1C-516	BOLT, Adjusting Strap to Generator ..	1
23	4E-05	LKWSHR, Adjusting Strap to Generator	1
STARTER AND MOUNTING PARTS			
24	520901	*STARTER (12V) (D.R.#1107842)	1
24A	585314	STARTER (12V) (D.R.#1107851)	1
25	850813	ARMATURE, Starter (For D.R.#1107842)	1
25A	871513	ARMATURE, Starter (For D.R.#1107851)	1
26	940139	BRUSH, Starter (For D.R.#1107842)	1
26A	871518	BRUSH, Starter (For D.R.#1107851)	4
27	852135	DRIVE ASSY, Starter	1
28	943413	HOUSING, Starter Drive (For D.R.#1107842)	1
28A	945383	HOUSING, Starter Drive (For D.R.#1107851)	1
29	1D-06	NUT, Starter to Flywheel Housing	3
30	4E-06	LKWSHR, Starter to Flywheel Housing ..	3

SOLENOID SWITCH AND MOUNTING PARTS

31	551530	SWITCH, Solenoid	1
32	2C-412	BOLT, Solenoid to Bracket	2
33	2D-04	NUT, Solenoid to Bracket	2
34	4E-04	LKWSHR, Solenoid to Bracket	2

VOLTAGE REGULATOR AND MOUNTING PARTS

35	940105	REGULATOR, Voltage	1
36	2C-412	BOLT, Regulator to Bracket	3
37	2D-04	NUT, Regulator to Bracket	3
38	4E-04	LKWSHR, Regulator to Bracket	3
39	550862	BRACKET, Voltage Regulator Mtg.....	1
40	2C-620	BOLT, Bracket to Frame	2
41	2D-06	NUT, Bracket to Frame	2
42	4E-06	LKWSHR, Bracket to Frame	2

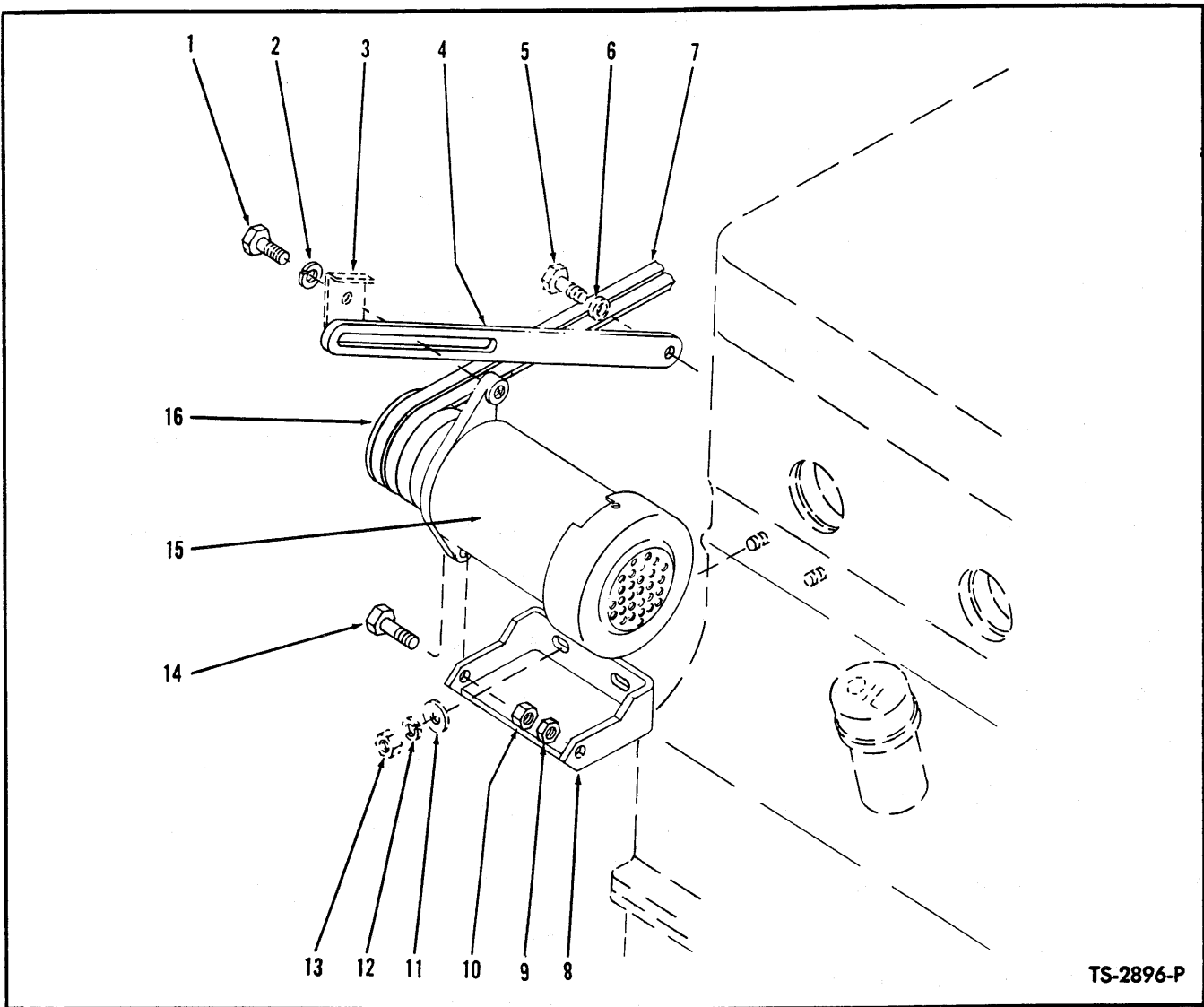
ENGINE AND ACCESSORIES — CONTINENTAL POWERED (Continued)

Item No.	Part No.	Description	No. Req'd.
CARBURETOR AND MOUNTING PARTS			
43	990820	CARBURETOR	1
44	531279	STUD, Carburetor to Manifold	2
45	529686	VALVE BOX, Throttle	1
46	648872	GASKET, Carburetor to Valve Box & Manifold	2
47	1D-06	NUT, Carb. to Manifold Stud	4
48	4E-06	LKWSHR, Carb. to Manifold Stud	4
49	944412	REPAIR KIT, Carburetor	—
50	957740	GASKET KIT, Carburetor	—
51	944413	JET, Adjustable Main	1
52	361938	BALL JOINT, Gov. Rod to Carb.	1
53	2D-04	NUT, Ball Joint	1
54	873791	SCREW, Gov. to Carb. Rod (Yoke End)	1
55	529690	ROD, Governor to Carburetor — See Note "A"	1
FAN BLADE AND MOUNTING PARTS			
56	527723	BLADE, Fan	1
57	1C-512	BOLT, Fan Blade to Hub	4
58	4E-05	LKWSHR, Fan Blade to Hub	4
59	631550	BELT, (Matched Set of Two(2))	1
IGNITION COIL AND CABLES			
60	722593 ***	COIL, Ignition	1
61	2C-512	BOLT, Coil to Bracket	2
62	25E-15	WASHER, Coil to Bracket	2
63	4E-05	LKWSHR, Coil to Bracket	2
64	2D-05	NUT, Coil to Bracket	2

Item No.	Part No.	Description	No. Req'd.
65	527824	CABLE KIT, Ignition (Inc. 66 thru 70)..	1
66	717995	CABLE (Distributor to #3, 4, 5, 6 Cyl.)	4
67	730401	CABLE (Distributor to #2 Cyl.).....	1
68	742234	CABLE (Distributor to #1 Cyl.).....	1
69	742235	CABLE (Distributor to Coil) Hi-Tens.	1
70	653973	CABLE (Distributor to Coil) Low-Tens.	1
DISTRIBUTOR AND MOUNTING PARTS			
71	527725	DISTRIBUTOR	1
72	639496	CLAMP, Distributor Hold Down	2
73	1C-616	BOLT, Distributor Mounting	2
74	4E-06	LKWSHR, Distributor Mounting	2
75	857852	CAP, Distributor	1
76	853628	POINT SET, Distributor	1
77	850091	ROTOR, Distributor	1
78	850085	CONDENSER, Distributor	1

Item No.	Part No.	Description	No. Req'd.
FUEL PUMP AND MOUNTING PARTS			
79	877647	PUMP, Fuel (Inc. 80)	1
80	899584	GASKET, Fuel Pump Mounting	1
81	952779	WASHER, Fuel Pump Mounting	2
82	1D-05	NUT, Fuel Pump Mounting	2
83	42F-3	ELBOW, Fuel Pump Outlet	1
84	527833	HOSE, Fuel Pump to Carburetor	1
85	877646	REPAIR KIT, Fuel Pump	—

***NOTE: For replacement use 2503976 Coil plus 1—897894 Bracket.
NOTE "A": For replacement use 1—1308261 Rod plus 1—961895 Yoke.



TS-2896-P

GENERATOR AND MOUNTING PARTS — DUST PROOF
For Serial: 55B — 50BC033 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1C-616	BOLT, Adjusting Strap to Generator	1	11	—	*WASHER, Bracket to Engine	2
2	4E-06	LKWSHR, Adjusting Strap to Generator	1	12	—	*LKWSHR, Bracket to Engine	2
3	—	*CLIP, Adjusting Strap	1	13	—	*NUT, Bracket to Engine	2
4	944762	STRAP, Generator Adjusting	1	14	2C-828	BOLT, Generator to Bracket	2
5	—	*BOLT, Adjusting Strap to Engine	1	15	538245	**GENERATOR ASSY (Inc. 15A, 15B, 15C)	1
6	—	*LKWSHR, Adjusting Strap to Engine	1	15A	944764	†ARMATURE, Generator	1
7	538305	BELT SET, Generator [Matched Set of two (2)]	1	15B	858028	†BRUSH, Generator	2
8	944761	BRACKET, Generator Mounting	1	15C	944765	†FAN & BAFFLE, Generator	1
9	8D-08	NUT, Generator to Bracket Jam	2	16	538304	PULLEY, Generator	1
10	2D-08	NUT, Generator to Bracket	2	17	538246	†VOLTAGE REGULATOR	1

*NOTE: These parts are furnished with engine.

**NOTE: This Dust Proof Generator Installation may be installed on Serial Numbers as listed below:
For 55A — 3726 thru 3855, 1BC0134 thru 1BC0282, 2BC01 thru 2BC0999.
For 55B — 50BC01 thru 50BC032.

See Wiring Diagram on page 1B for Dust Proof Generator Installation.

†Not Illustrated

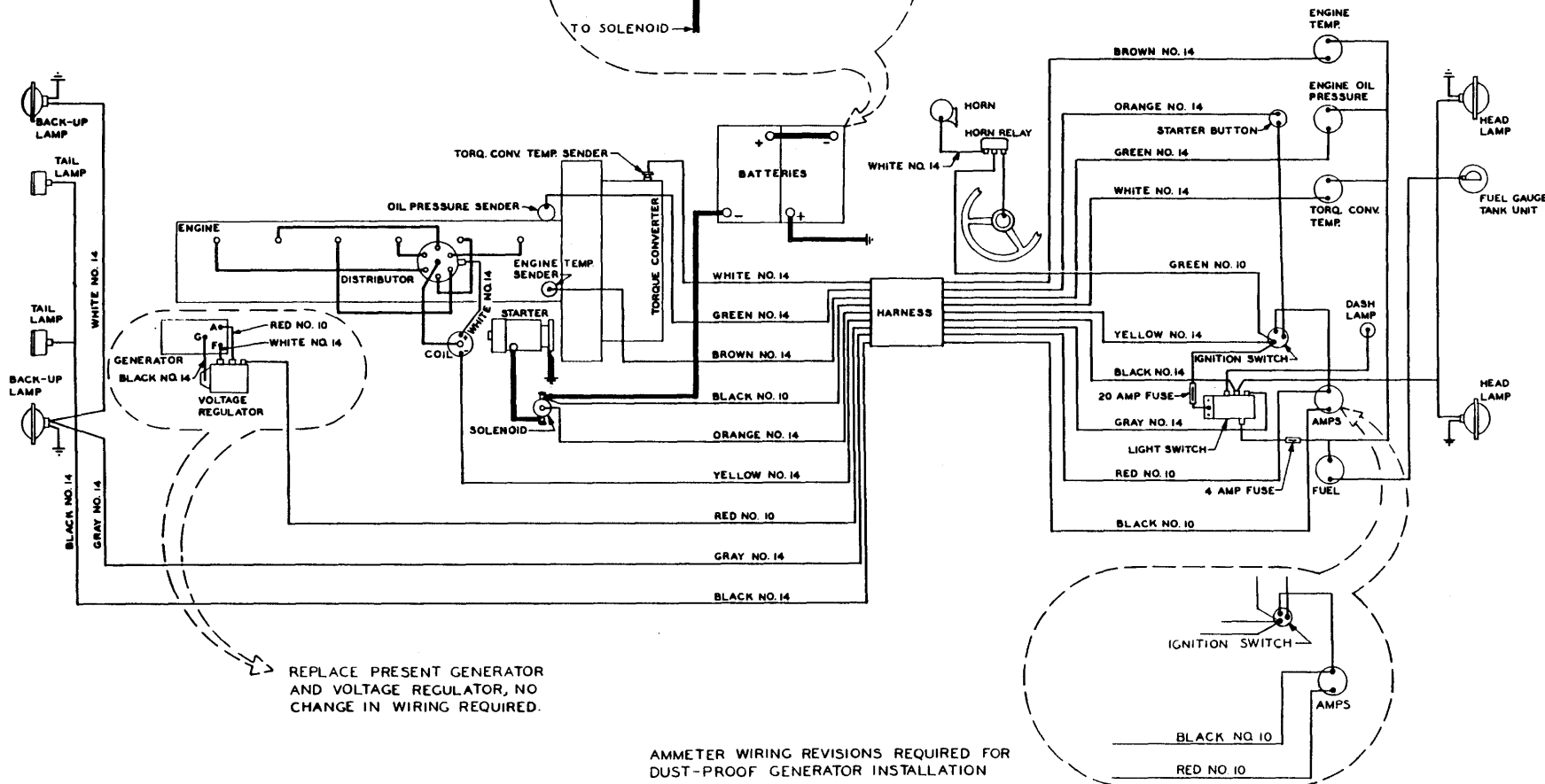
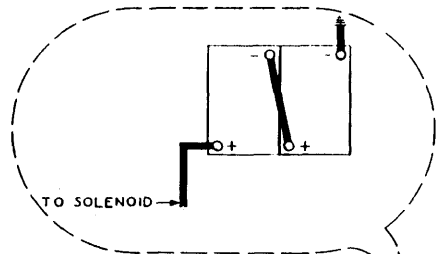
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

PM 1657

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BATTERY WIRING REVISIONS REQUIRED FOR
DUST-PROOF GENERATOR INSTALLATION

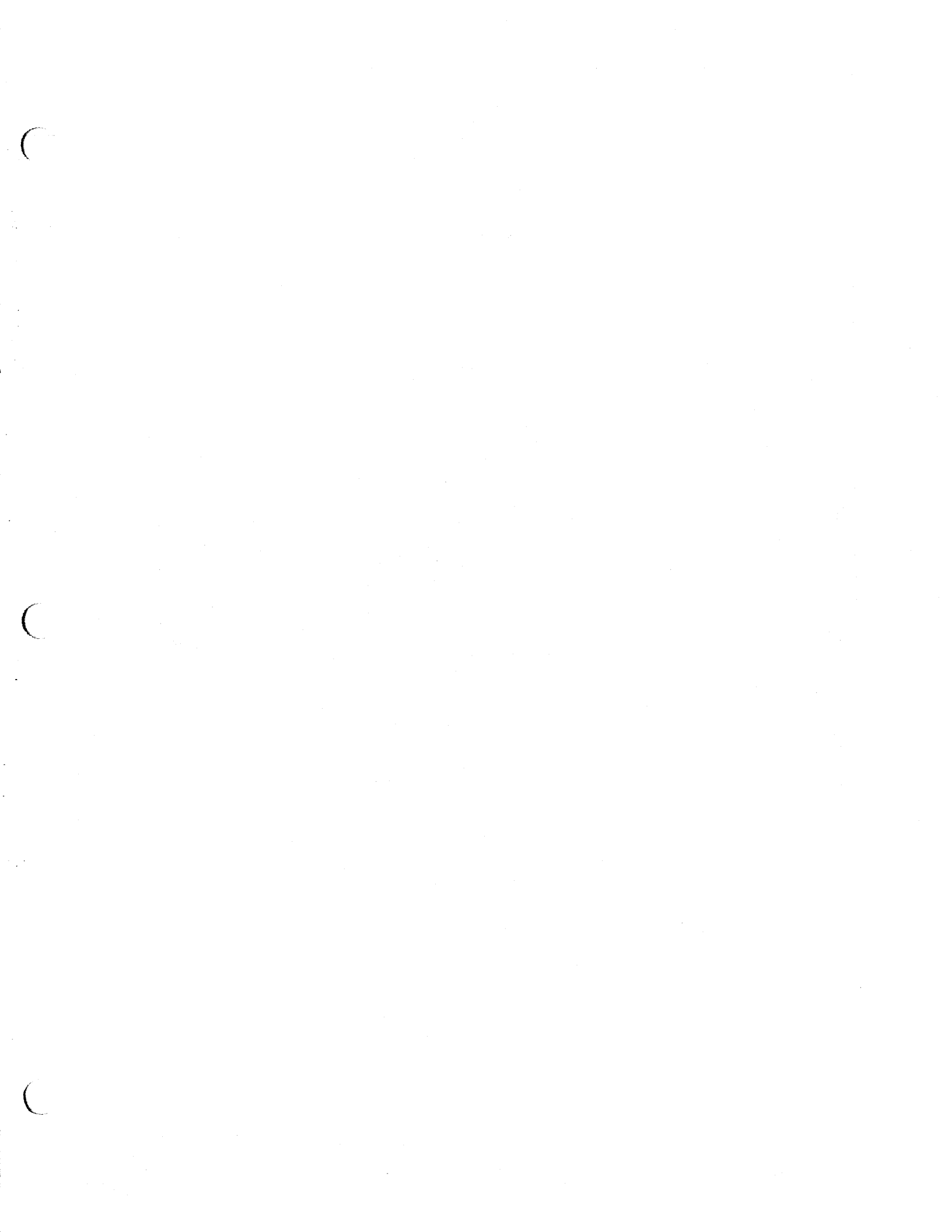


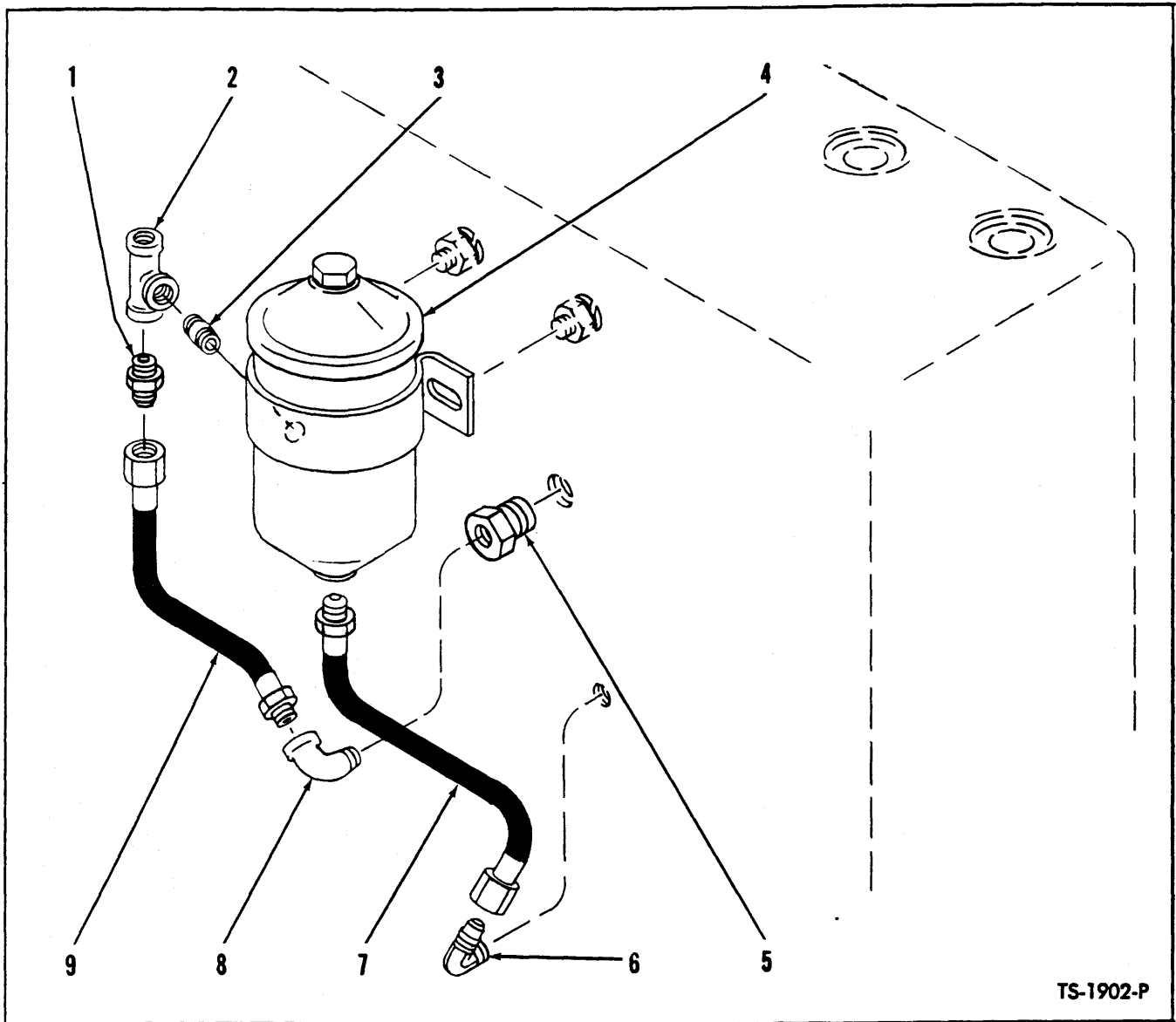
REPLACE PRESENT GENERATOR
AND VOLTAGE REGULATOR, NO
CHANGE IN WIRING REQUIRED.

AMMETER WIRING REVISIONS REQUIRED FOR
DUST-PROOF GENERATOR INSTALLATION

WIRING DIAGRAM — DUST PROOF GENERATOR

TS-2897

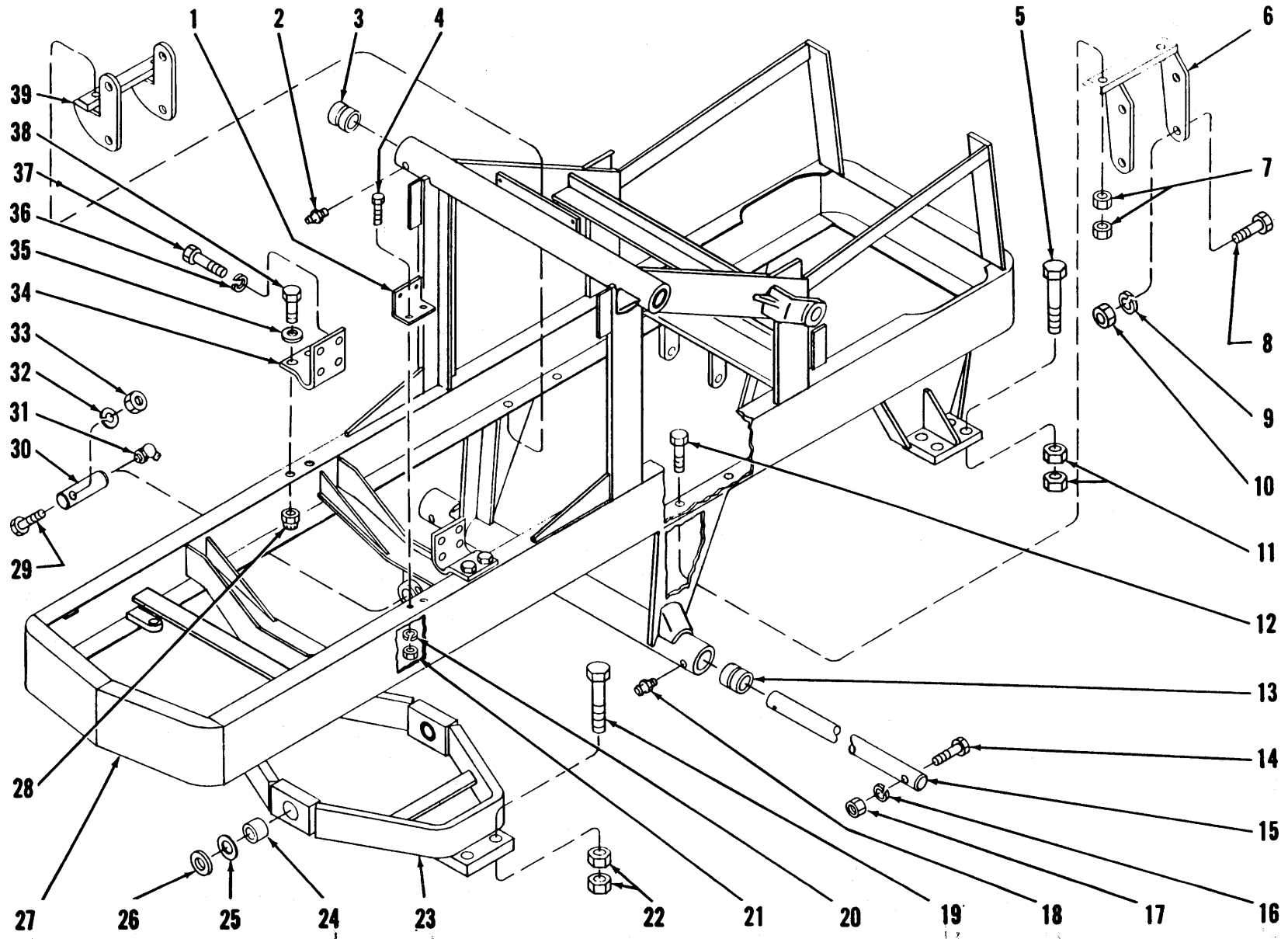




ENGINE BY-PASS OIL FILTER AND CONNECTIONS

Item No.	Part No.	Description	No. Req'd.
1	38F-3	CONNECTOR, Hose to Tee	1
2	18F-1	TEE, Filter to Hose	1
3	5K-108	NIPPLE, Filter to Tee	1
4	529687	FILTER ASSY, By-Pass Oil (Inc. 4A)	1
4A	944426	CARTRIDGE KIT, Oil Filter	1
5	356611	BUSHING, Reducing—Cylinder Block to Elbow	1
6	42F-3	ELBOW, Cylinder Block to Hose.....	1
7	529691	HOSE, Cylinder Block to Filter	1
8	26F-1	ELBOW, Hose to Reducing Bushing	1
9	529692	HOSE, Cylinder Block to Tee	1

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



FRAME AND CRADLE ASSEMBLY

TS-1530-P

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PM 1657

FRAME AND CRADLE ASSEMBLY

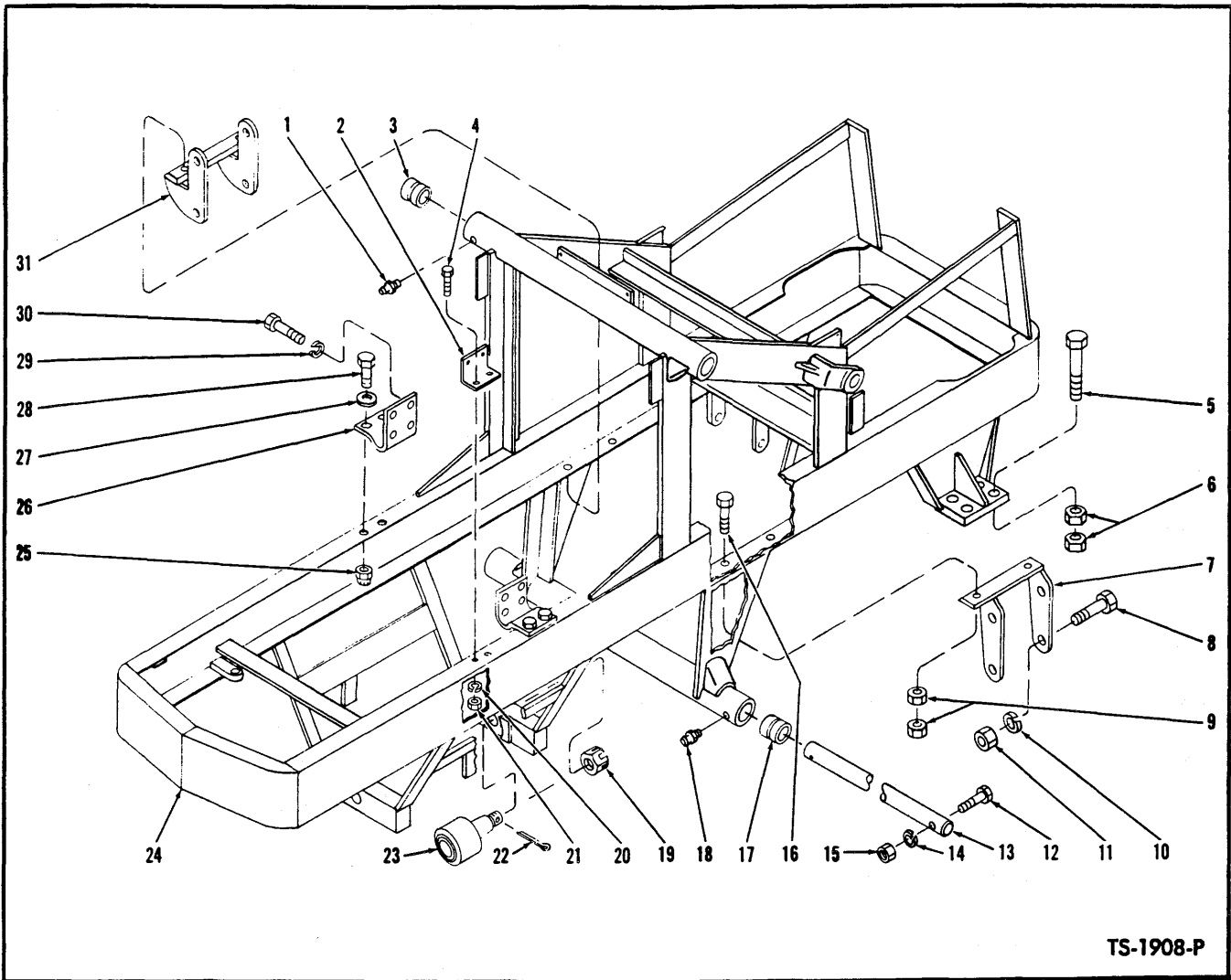
Model 55A

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	528304	*BRACKET, Solenoid Mounting	1	25	551348	‡WASHER, Cradle to Frame— $\frac{1}{8}$ "	—
2	10H-25	FITTING, Upper Tube Grease	2	26	551347	‡WASHER, Cradle to Frame— $\frac{1}{8}$ "	—
3	523044	BUSHING, Upper Pivot Tube	2	27		FRAME ASSY (Inc. 3, 13)	
4	2C-616	BOLT, Bracket to Frame	2	27A	523036	For Serial 3726 thru 3785	1
5	24C-12112	BOLT, Front Axle to Frame	8	27B	533651	For Serial 3786 thru 3855, IBCO 134 & thereafter	1
6	523591	BRACKET, Trans. Mounting—R.H.	1	28	21D-08	NUT, Support to Frame	4
7	68D-08	NUT, Bracket to Frame	4	29	2C-856	BOLT, Pin Retaining	2
8	2C-1044	BOLT, Bracket to Transmission	8	30	523080	PIN, Cradle Pivot	2
9	OMIT	LKWSHR, Bracket to Trans. Bolt	—	31	15H-15	FITTING, Pivot Pin Grease	2
10	18D-10	NUT, Bracket to Trans. Bolt	8	32	4E-08	LKWSHR, Pin Retaining Bolt	2
11	68D-12	NUT, Front Axle to Frame	8	33	2D-08	NUT, Pin Retaining Bolt	2
12	18C-836	BOLT, Bracket to Frame	4	34		SUPPORT, Engine	
13	523044	BUSHING, Lower Pivot Tube	2	34A	524535	L.H., For Serial 3726 thru 3855, IBCO 134 thru IBCO 186	1
14	2C-656	BOLT, Shaft Retaining	2	34B	526680	R.H., For Serial 3726 thru 3855, IBCO 134 thru IBCO 186	1
15	523081	SHAFT, Boom Cylinder to Frame	1	34C	528302	For Serial IBCO 187 & thereafter	2
16	4E-06	LKWSHR, Shaft Retaining Bolt	2	35	25E-21	WASHER, Support to Frame	4
17	2D-06	NUT, Shaft Retaining Bolt	2	36	4E-08	LKWSHR, Support to Flywheel Hsg.	8
18	10H-25	FITTING, Lower Tube Grease	2	37	1C-824	BOLT, Support to Flywheel Housing	8
19	24C-12120	BOLT, Rear Axle to Frame	8	38	2C-832	BOLT, Support to Frame	4
20	4E-06	LKWSHR, Bracket to Frame	2	39	523593	BRACKET, Trans. Mounting—L.H.	1
21	2D-06	NUT, Bracket to Frame	2				
22	68D-12	NUT, Rear Axle to Frame	8				
23	533025	CRADLE ASSY, Rear Axle (Inc. 24)	1				
24	550066	BUSHING, Cradle	2				

*NOTE: First Used on Machine Serial IBCO 187 and thereafter.

‡As Required

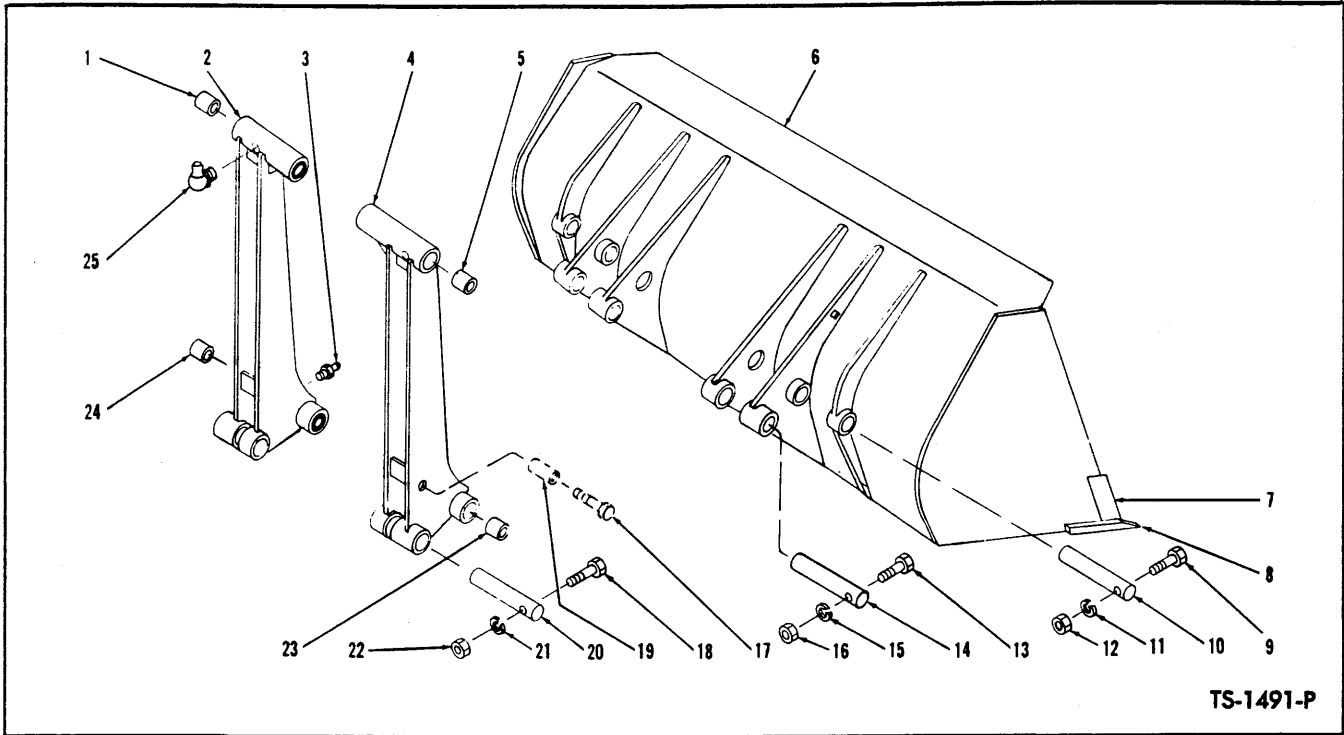
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



FRAME ASSEMBLY
MODEL 55B

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	10H-25	FITTING, Upper Tube Grease	2	19	4D-24	NUT, Pivot Pin	2
2	508304	BRACKET, Solenoid Mounting	1	20	4E-06	LKWSHR, Bracket to Frame	2
3	523044	BUSHING, Upper Pivot Tube	2	21	2D-06	NUT, Bracket to Frame	2
4	2C-616	BOLT, Bracket to Frame	2	22	1F-848	COTTER, Pivot Pin	2
5	24C-12112	BOLT, Front Axle to Frame	8	23	626561	PIN ASSY, Pivot & Bushing (Inc. 23A, 23B)	2
6	68D-12	NUT, Front Axle to Frame	8	23A	626515	PIN, Pivot	2
7	523591	BRACKET, Transmission Mounting — R.H.	1	23B	626516	BUSHING, Silent Block	2
8	2C-1044	BOLT, Bracket to Transmission	8	24	509576	FRAME ASSY (Inc. 3, 17)	1
9	68D-08	NUT, Bracket to Frame	4	25	21D-08	NUT, Support to Frame	4
10	OMIT	LKWSHR, Bracket to Transmission Bolt	—	26	528302	SUPPORT, Engine	2
11	18D-10	NUT, Bracket to Transmission Bolt	8	27	25E-21	WASHER, Support to Frame	4
12	2C-656	BOLT, Shaft Retaining	2	28	2C-832	BOLT, Support to Frame	4
13	523081	SHAFT, Boom Cylinder to Frame	1	29	4E-08	LKWSHR, Support to Flywheel Housing	8
14	4E-06	LKWSHR, Shaft Retaining Bolt	2	30	1C-824	BOLT, Support to Flywheel Housing	8
15	2D-06	NUT, Shaft Retaining Bolt	2	31	523593	BRACKET, Transmission Mounting—L.H.	1
16	18C-836	BOLT, Bracket to Frame	4				
17	523044	BUSHING, Lower Pivot Tube	2				
18	10H-25	FITTING, Lower Tube Grease	2				

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



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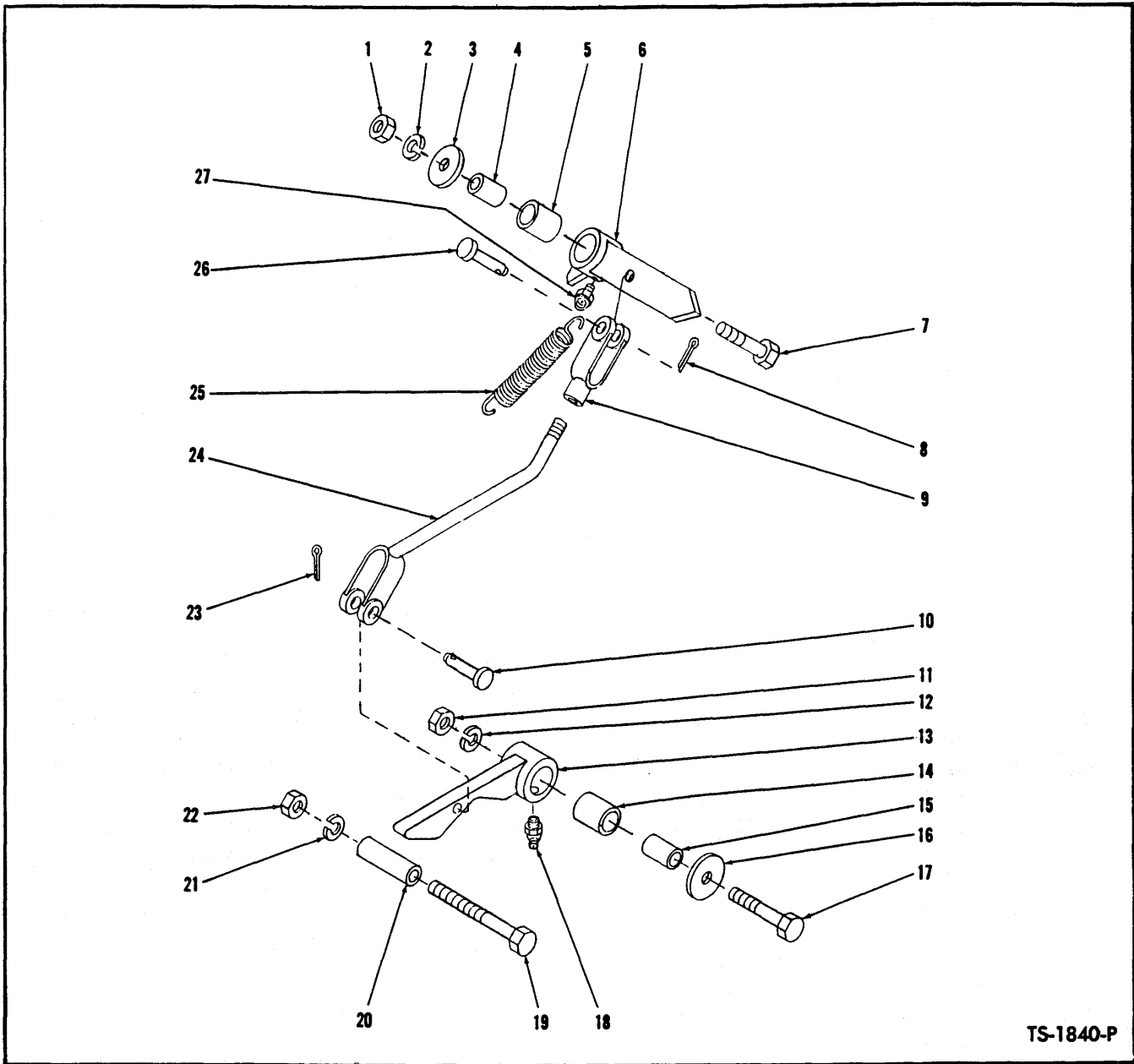
BUCKET AND CARRIER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550066	BUSHING, Bucket Carrier	2	13	2C-644	BOLT, Cylinder Pin Retaining	2
2	522800	CARRIER ASSY—L.H. (Inc. 1, 24)	1	14	523116	PIN, Cylinder to Bucket	2
3	10H-25	FITTING, Carrier Grease	2	15	4E-06	LKWSHR, Cylinder Pin Retaining	2
4	522799	CARRIER ASSY—R.H. (Inc. 5, 23)	1	16	2D-06	NUT, Cylinder Pin Retaining	2
5	550066	BUSHING, Bucket Carrier	2	17	—	BOLT—See Bucket Indicator, Index	—
6	—	BUCKET—See Chart Below	—	18	2C-644	BOLT, Guide Bar Pin Retaining	2
7	—	SIDE CUTTING EDGE—See Chart Below	—	19	—	TUBE, See Bucket Indicator, Index	—
8	—	MAIN CUTTING EDGE—See Chart Below	—	20	522810	PIN, Guide Bar to Carrier	2
9	2C-648	BOLT, Carrier to Bucket Pin Retaining	2	21	4E-06	LKWSHR, Guide Bar Pin Retaining	2
10	522809	PIN, Carrier to Bucket	2	22	2D-06	NUT, Guide Bar Pin Retaining	2
11	4E-06	LKWSHR, Pin Retaining	2	23	550066	BUSHING, Bucket Carrier	2
12	2D-06	NUT, Pin Retaining	2	24	550066	BUSHING, Bucket Carrier	2
				25	12H-25	FITTING, Carrier Grease	2

BUCKET ASSEMBLY DATA

WIDTH		BUCKET ASSEMBLY	MAIN CUTTING EDGE	SIDE CUTTING EDGE REPLACEMENT
61"	18 cu. ft. Struck	531818	553798	940173 R.H. 940172 L.H.
79"	Standard	523143	523146	940173 R.H. 940172 L.H.
85"	1 cu. yard Struck	531849	529115	940173 R.H. 940172 L.H.
85"	Light Material	529112	529115	940173 R.H. 940172 L.H.
85"	Extra Light Material	509694	529115	940173 R.H. 940172 L.H.

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

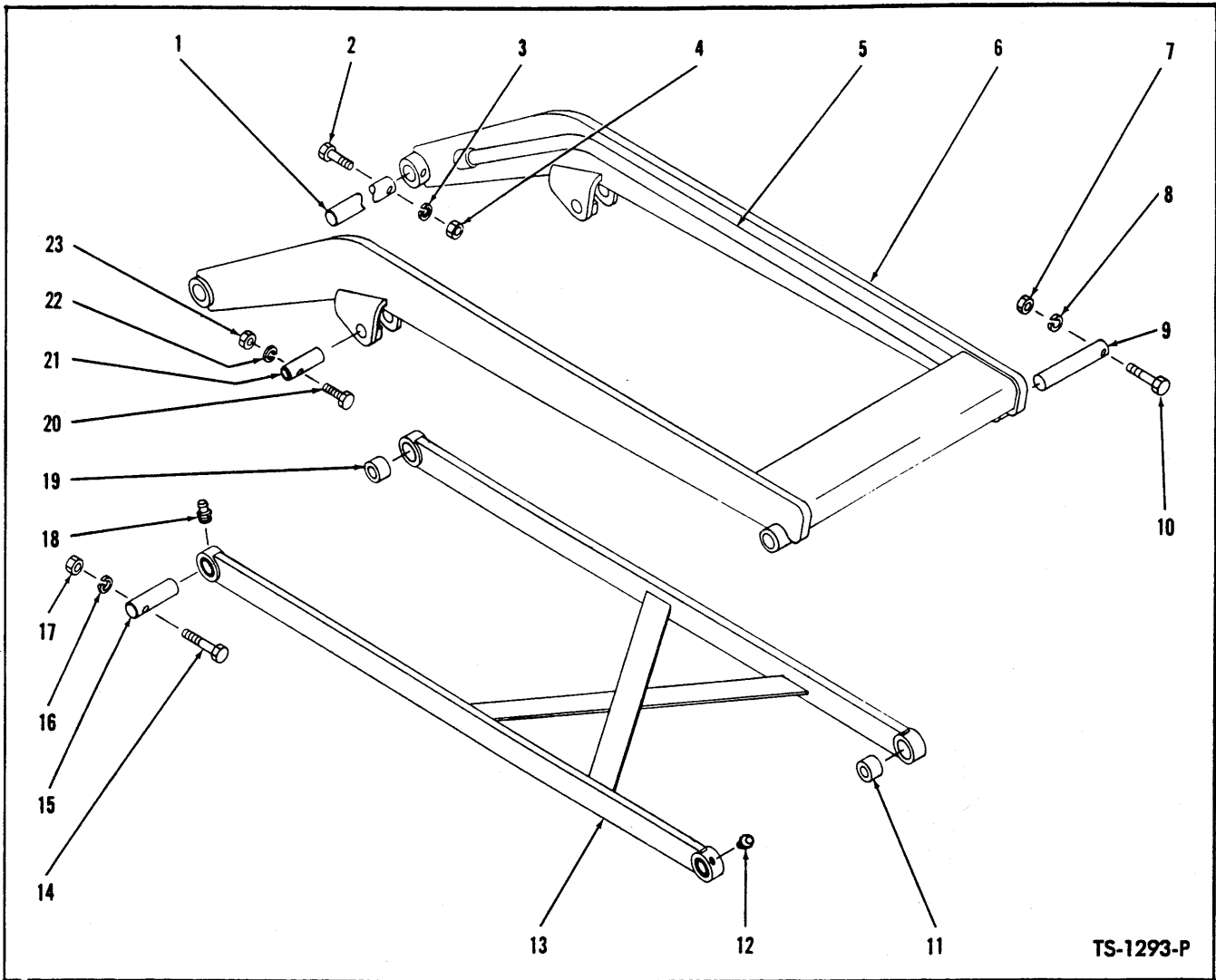


TS-1840-P

BUCKET INDICATOR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2D-08	NUT, Pointer to Bucket	1	15	550646	SLEEVE, Cam to Bucket	1
2	4E-08	LKWSHR, Pointer to Bucket	1	16	616796	WASHER, Cam to Bucket	1
3	616796	WASHER, Pointer to Bucket	1	17	2C-840	BOLT, Cam to Bucket	1
4	550646	SLEEVE, Pointer to Bucket	1	18	12H-15	FITTING, Cam Grease	1
5	526767	BUSHING, Pointer	1	19	2C-1072	BOLT, Tube to Carrier	1
6	551521	POINTER	1	20	551523	TUBE, Bucket Indicator	1
7	2C-840	BOLT, Pointer to Bucket	1	21	4E-10	LKWSHR, Tube to Carrier	1
8	1F-414	COTTER, Clevis Pin	1	22	2D-10	NUT, Tube to Carrier	1
9	2J-8300	CLEVIS, Rod to Pointer	1	23	1F-414	COTTER, Clevis Pin	1
10	4F-08127	PIN, Rod to Cam	1	24	528982	ROD, Pointer Indicator	1
11	2D-08	NUT, Cam to Bucket	1	25	551644	SPRING, Pointer Return	1
12	4E-08	LKWSHR, Cam to Bucket	1	26	4F-08127	PIN, Clevis to Pointer	1
13	551517	CAM	1	27	12H-15	FITTING, Pointer Grease	1
14	526767	BUSHING, Cam	1				

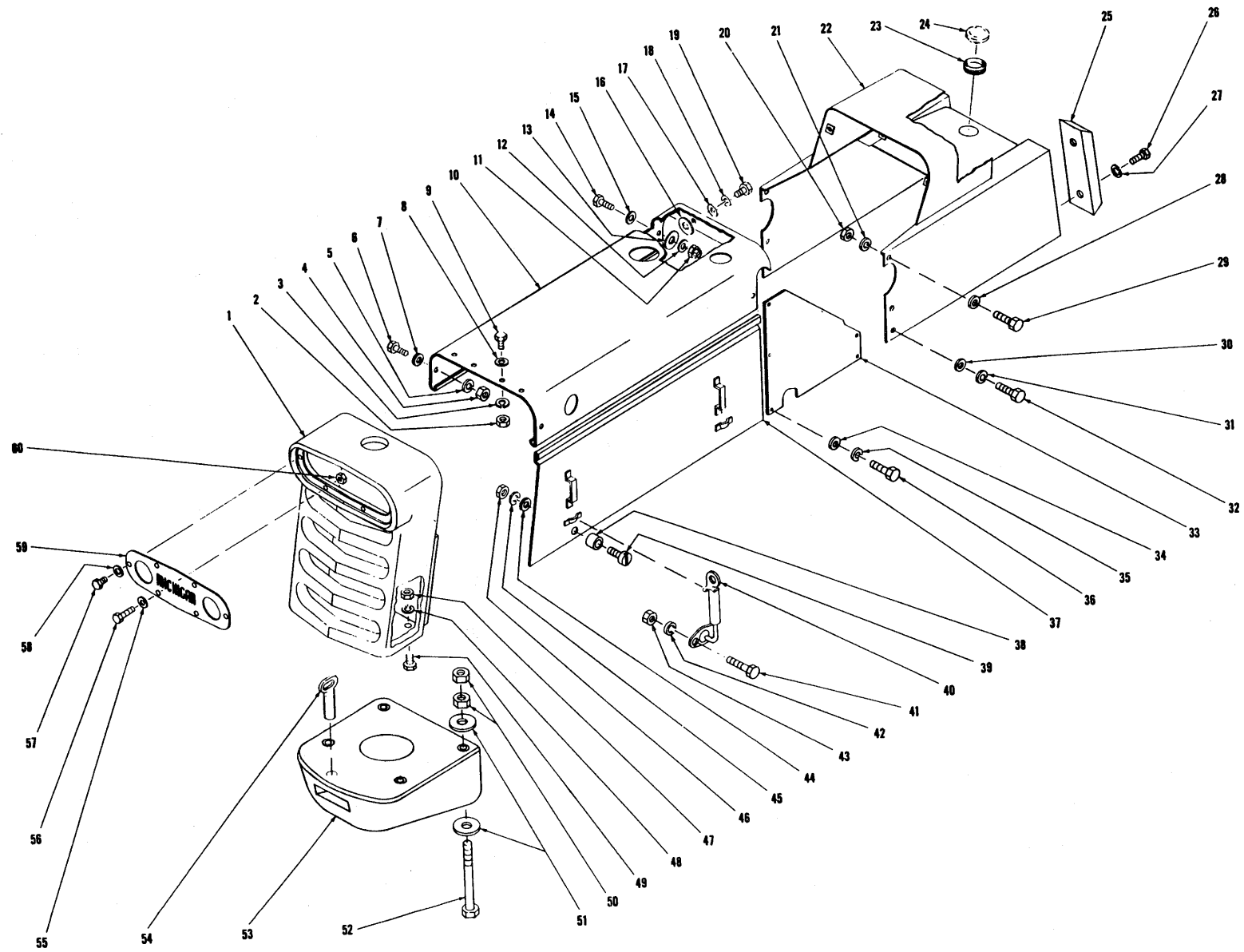
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BOOM AND GUIDE BAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	523103	SHAFT, Boom Pivot	1	12	10H-25	FITTING, Guide Bar Grease	2
2	2C-868	BOLT, Shaft Retaining	2	13	522864	GUIDE BAR ASSY (Inc. 11, 19)	1
3	4E-08	LKWSHR, Shaft Retaining	2	14	2C-660	BOLT, Guide Bar Pin Retaining	2
4	2D-08	NUT, Shaft Retaining	2	15	522870	PIN, Guide Bar to Frame	2
5	527601	PIPE, Boom—R.H.	1	16	4E-06	LKWSHR, Guide Bar Pin Retaining	2
5A	527603	PIPE, Boom—L.H.	1	17	2D-06	NUT, Guide Bar Pin Retaining	2
6	527600	BOOM ASSY (Inc. 5, 5A)	1	18	10H-35	FITTING, Guide Bar Grease	2
7	2D-06	NUT, Boom to Carrier & Cylinder	2	19	522868	BUSHING, Guide Bar	2
8	4E-06	LKWSHR, Boom to Carrier Pin Ret.	2	20	2C-644	BOLT, Cylinder Pin Retaining	2
9	522808	PIN, Boom to Carrier & Cylinder	2	21	523104	PIN, Cylinder to Boom	2
10	2C-648	BOLT, Boom to Carrier Pin Ret.	2	22	4E-06	LKWSHR, Cylinder Pin Retaining	2
11	553082	BUSHING, Guide Bar	2	23	2D-06	NUT, Cylinder Pin Retaining	2

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



GRILLE, COUNTERWEIGHT AND BODY PANEL ASSEMBLY

TS-1531-P

10

(1D23)

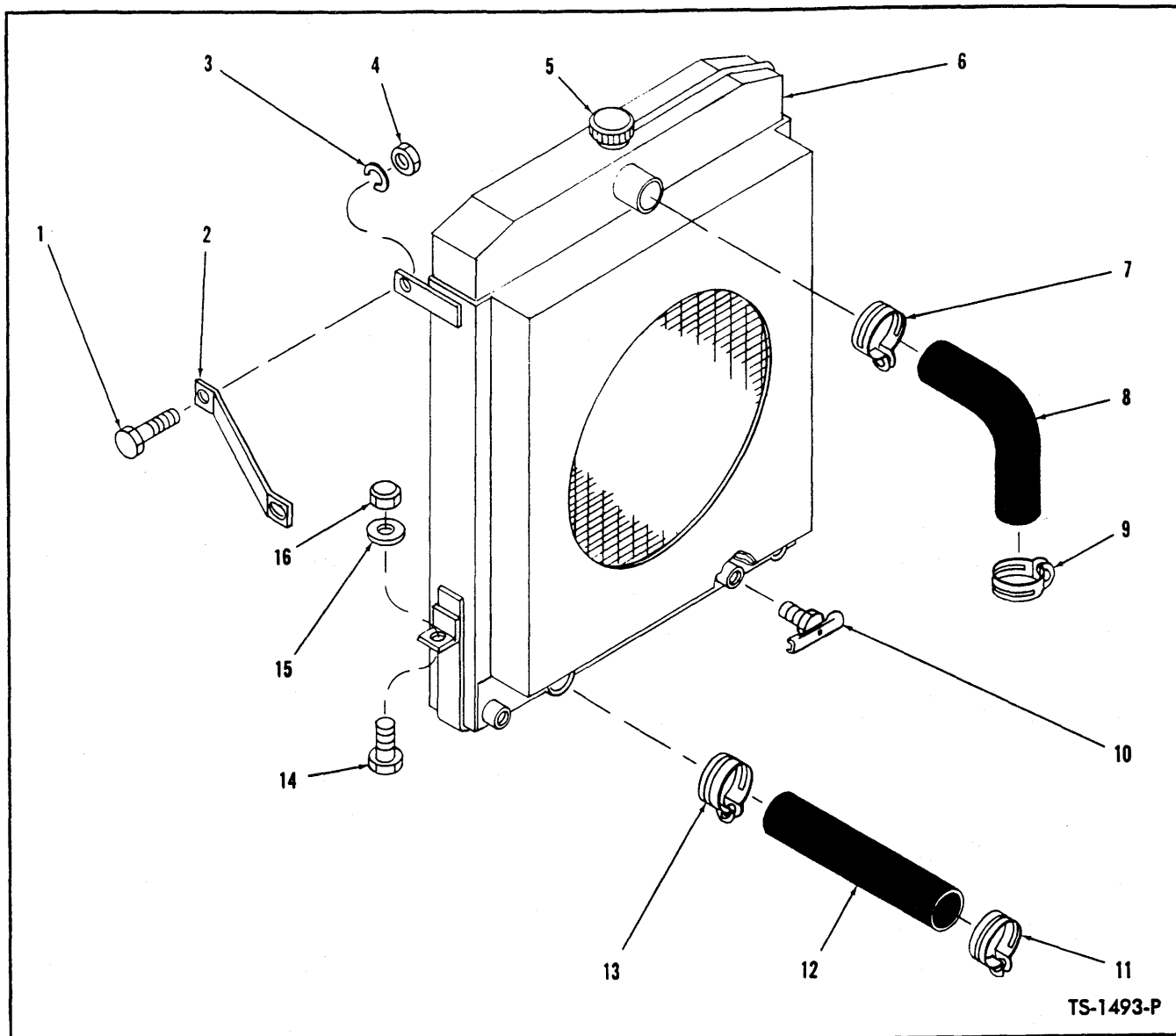
PM 1657

GRILLE, COUNTERWEIGHT AND BODY PANEL ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550252	GRILLE	1	36	2C-610	BOLT, Side Panel	12
2	2D-06	NUT, Hood to Grille	4	37	523924	PANEL, Hood Side — R.H.	1
3	4E-06	LKWSHR, Hood to Grille	4	37A	523925	†PANEL, Hood Side — L.H.	1
4	2D-06	NUT, Hood to Grille	2	38	551434	BUMPER, Hood Side Panel	4
5	4E-06	LKWSHR, Hood to Grille	2	39	2G-1014	SCREW, Bumper	4
6	2C-620	BOLT, Hood to Grille	2	40	552336	CATCH, Hood Side Panel	4
7	551835	WASHER, Hood to Grille	2	41	2G-1014	SCREW, Hood Catch	8
8	551835	WASHER, Hood to Grille	4	42	12E-10	LKWSHR, Hood Catch	8
9	2C-616	BOLT, Hood to Grille	4	43	14D-10	NUT, Hood Catch	8
10	523922	HOOD	1	44	616775	WASHER, Bumper	4
11	103376	NUT, Hood to Clip Lock	2	45	13E-10	LKWSHR, Bumper	4
12	25E-18	WASHER, Hood to Clip	2	46	14D-10	NUT, Bumper	4
13	518233	PAD, Hood to Clip	2	47	2D-10	NUT, Grille	2
14	2C-622	BOLT, Hood to Clip	2	48	4E-10	LKWSHR, Grille	2
15	551835	WASHER, Hood to Clip	2	49	2C-1052	BOLT, Grille	2
16	518233	PAD, Hood to Frame	2	50	68D-12	NUT, Counterweight	4
17	616791	WASHER, Hood to Frame	2	51	25E-27	WASHER, Counterweight	4
18	4E-08	LKWSHR, Hood to Frame	2	52		<i>BOLT, Counterweight to Frame</i>	
19	2C-824	BOLT, Hood to Frame	2	52A	16C-12180	For Model 55A	4
20	2D-06	NUT, Shroud to Frame	2	52B	24C-12224	For Model 55B	4
21	4E-06	LKWSHR, Shroud to Frame	2	53		COUNTERWEIGHT	
22	526548	SHROUD, Front	1	53A	522978	For Model 55A	1
23	553849	GROMMET, Front Shroud	1	53B	530961	For Model 55B	1
24	—	CAP, Fuel Tank (See Index)	—	54		<i>PIN, Drawbar</i>	
25	551539	BAR, Bumper	2	54A	550586	For Model 55A	1
26	2C-836	BOLT, Bumper Bar	4	54B	531766	For Model 55B	1
27	4E-08	LKWSHR, Bumper Bar	4	55	4E-05	LKWSHR, Mounting Plate to Grille	2
28	103293	WASHER, Shroud to Frame	2	56	1C-520	BOLT, Mounting Plate to Grille	2
29	2C-610	BOLT, Shroud to Frame	2	57	1C-510	BOLT, Mounting Plate to Grille	4
30	103293	WASHER, Shroud to Frame	4	58	4E-05	LKWSHR, Mounting Plate to Grille	4
31	4E-06	LKWSHR, Shroud to Frame	4	59	550880	PLATE, Light Mounting	1
32	2C-610	BOLT, Shroud to Frame	4	60	1D-05	NUT, Mounting Plate to Grille	2
33	523923	PANEL, Side	2				
34	103293	WASHER, Side Panel	12				
35	4E-06	LKWSHR, Side Panel	12				

†Not Illustrated

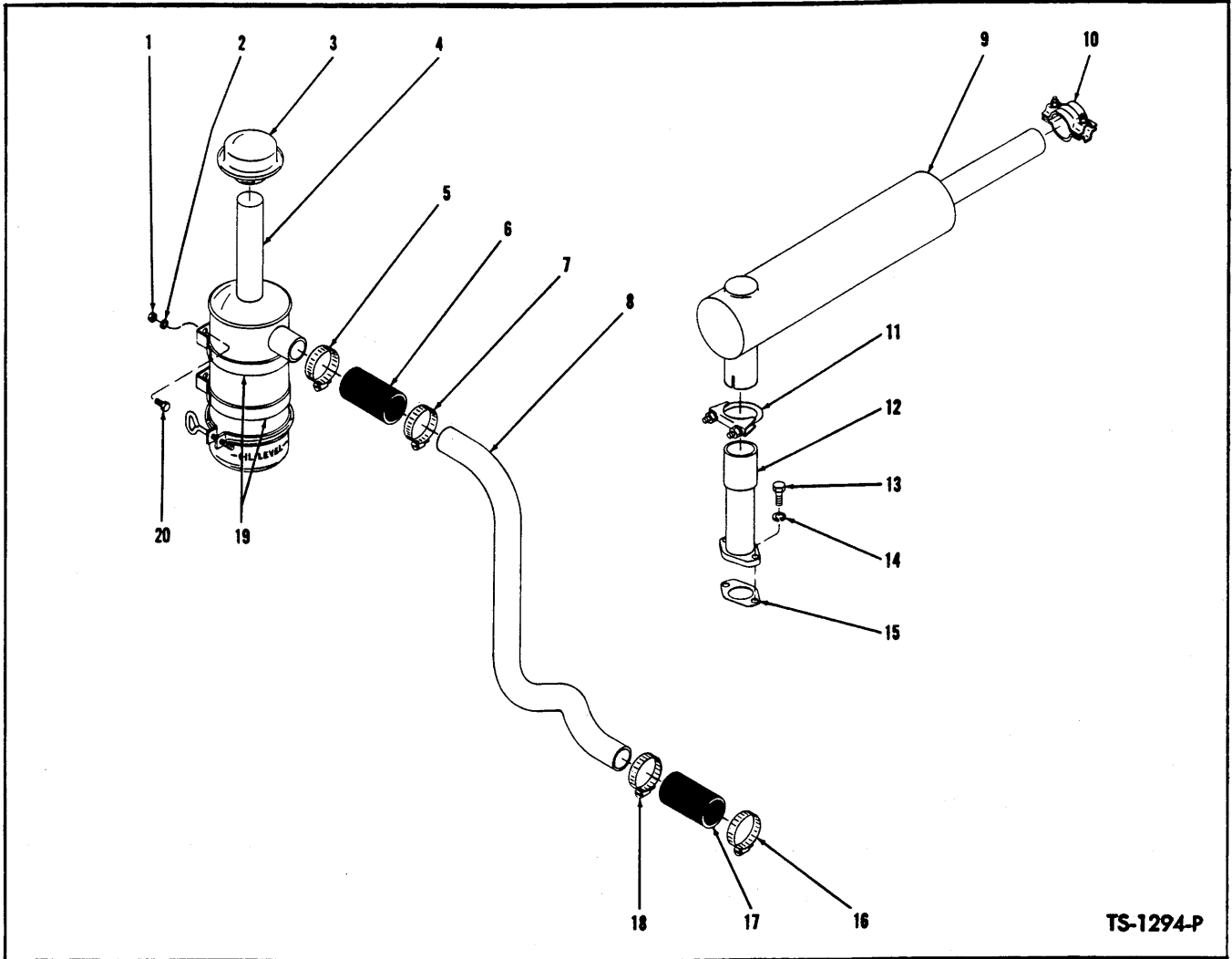
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



RADIATOR AND CONNECTIONS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-620	BOLT, Clip to Radiator	2	9	784663	CLAMP, Upper Radiator Hose	1
2	514658	CLIP, Radiator to Grille	2	10	73F-2	DRAIN COCK, Radiator	1
3	4E-06	LKWSHR, Clip to Radiator	2	11	784663	CLAMP, Lower Radiator Hose	1
4	2D-06	NUT, Clip to Radiator	2	12	523698	HOSE, Lower Radiator	1
5	351495	CAP, Radiator	1	13	784663	CLAMP, Lower Radiator Hose	1
6	1518428	RADIATOR	1	14	2C-828	BOLT, Radiator to Frame	2
7	784663	CLAMP, Upper Radiator Hose	1	15	518233	PAD, Radiator to Frame	2
8	523699	HOSE, Upper Radiator	1	16	21D-08	NUT, Radiator to Frame	2

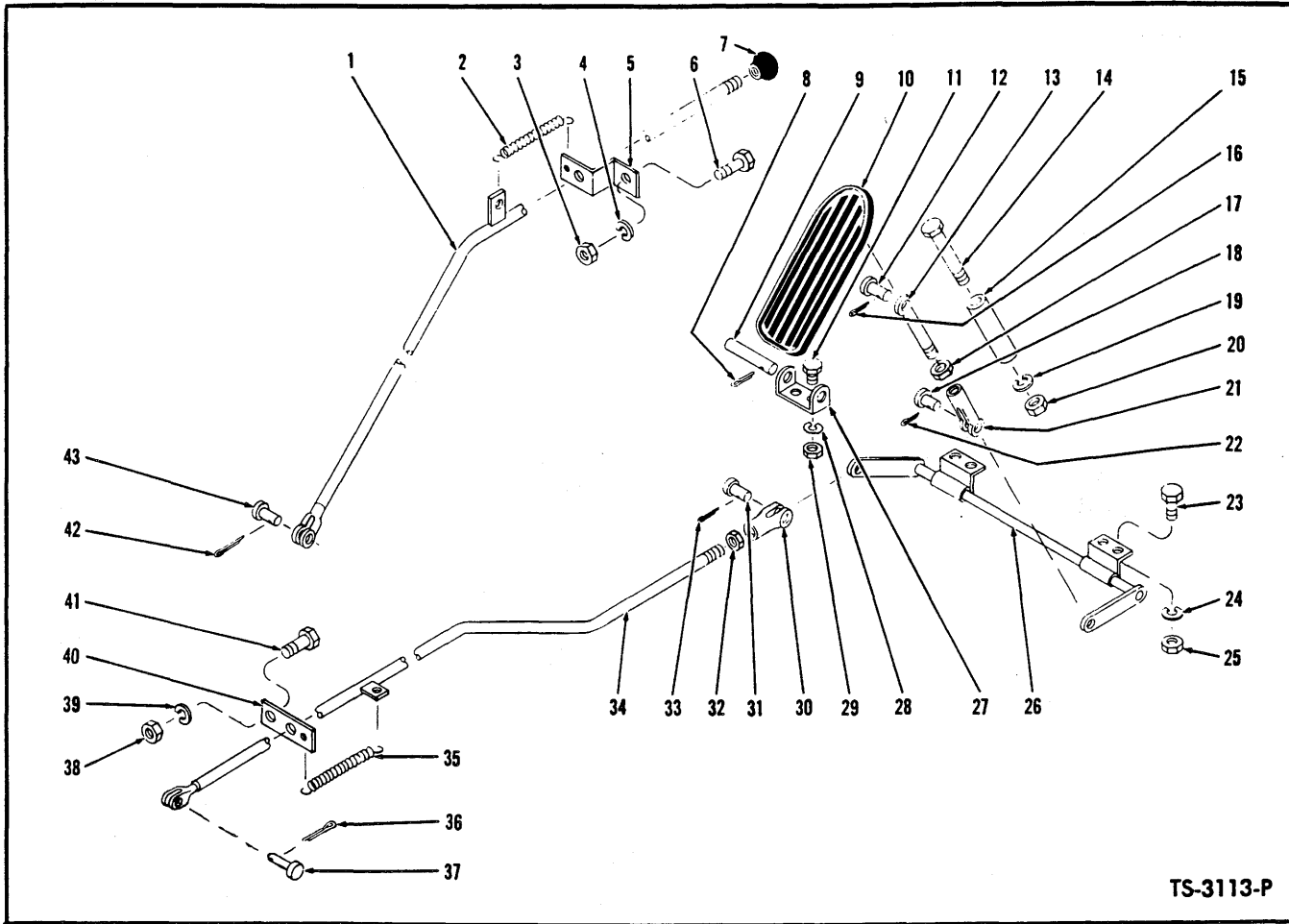
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AIR CLEANER AND MUFFLER *

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2D-04	NUT, Air Cleaner to Reservoir	4	11	550652	CLAMP, Muffler	1
2	4E-04	LKWSHR, Air Cleaner to Reservoir.....	4	12	524192	ADAPTER, Manifold to Muffler	1
3	663879	CAP, Air Cleaner	1	13	1C-620	BOLT, Adapter to Manifold	2
4	524186	AIR CLEANER	1	14	4E-06	LKWSHR, Adapter to Manifold	2
5	875248	CLAMP, Hose	1	15	524221	GASKET, Adapter to Manifold	1
6	1M-16030	HOSE, Air Cleaner	1	16	875248	CLAMP, Hose	1
7	875248	CLAMP, Hose	1	17	1M-16030	HOSE, Tube to Carburetor	1
8	524190	TUBE, Air Cleaner	1	18	875248	CLAMP, Hose	1
9	550650	MUFFLER	1	19	524188	STRAP, Air Cleaner Mounting	2
10	551528	CLAMP, Tail Pipe to Hood	1	20	2C-410	BOLT, Air Cleaner to Reservoir	4

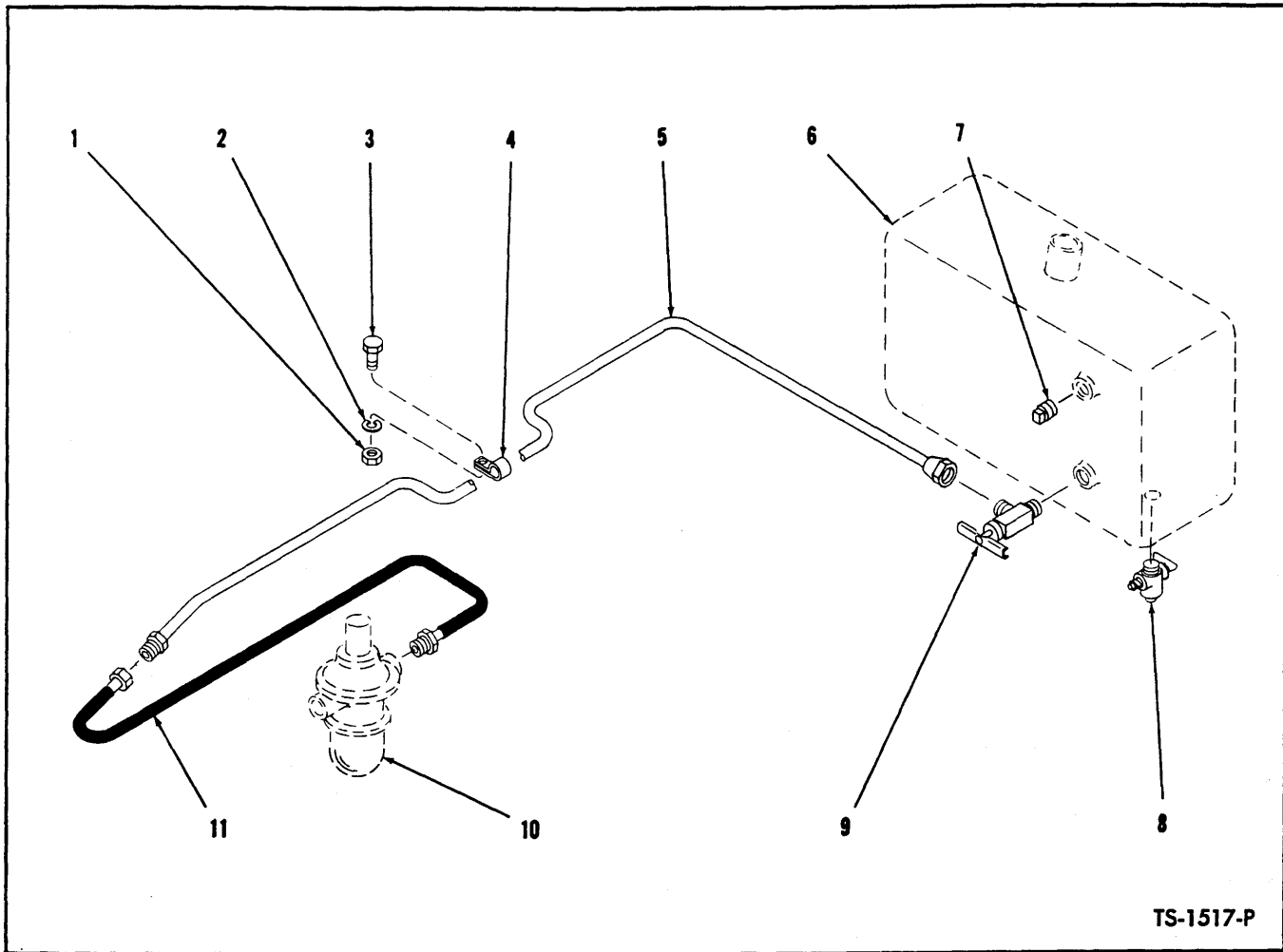
*Ref. SG-711



ACCELERATOR PEDAL AND LINKAGE

Item No	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		CHOKE ROD		20	2D-04	NUT, Pedal Stop	1
1A	525662	For 55A Serial 3726 thru 3825	1	21	2J-4200	YOKE, Pedal Rod	1
1B	528283	For Serial: 55A — 3826 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999 55B — 50BCO1 thru 50BCO999	1	22	1F-207	COTTER, Pedal Rod Yoke Pin	1
2	551090	SPRING, Return	1	23	2C-410	BOLT, Bell Crank Mounting	4
3	2D-06	NUT, Spring Return Support	1	24	4E-04	LKWSHR, Bell Crank Mounting	4
4	4E-07	LKWSHR, Spring Return Support	1	25	2D-04	NUT, Bell Crank Mounting	4
5	526604	SUPPORT, Spring Return	1	26	525522	BELL CRANK	1
6	2C-616	BOLT, Spring Return Support	1	27	551015	BRACKET, Pedal Pivot	1
7	551178	KNOB, Choke Rod	1	28	4E-04	LKWSHR, Bracket to Floorboard	2
8	1F-316	COTTER, Pedal to Bracket Pin	1	29	2D-04	NUT, Bracket to Floorboard	2
9	623762	PIN, Pedal to Bracket	1	30	2J-4200	YOKE, Accelerator Rod	1
10	623829	PEDAL, Accelerator	1	31	4F-04051	PIN, Rod to Bell Crank	1
11	2C-410	BOLT, Bracket to Floorboard	1	32	8D-04	NUT, Yoke Jam	1
12	4F-04051	PIN, Pedal Rod to Pedal	1	33	1F-207	COTTER, Yoke Pin	1
13	550619	ROD, Pedal	1	34	525528	ROD, Accelerator	1
14	2C-444	BOLT, Pedal Stop	1	35	551090	SPRING, Accelerator Rod Return	1
15	551016	STOP, Pedal	1	36	1F-207	COTTER, Rod to Carburetor	1
16	1F-207	COTTER, Pedal Rod to Pedal Pin	1	37	4F-04051	PIN, Rod to Carburetor	1
17	8D-04	NUT, Pedal Rod Jam	1	38	2D-06	NUT, Accelerator Rod Guide	1
18	4F-04051	PIN, Pedal Rod Yoke	1	39	4E-06	LKWSHR, Accelerator Rod Guide	1
19	4E-04	LKWSHR, Pedal Stop	1	40	526639	GUIDE, Accelerator Rod	1
				41	2C-616	BOLT, Accelerator Rod Guide	1
				42	1F-208	COTTER, Clevis Pin	1
				43	4F-03038	PIN, Clevis	1

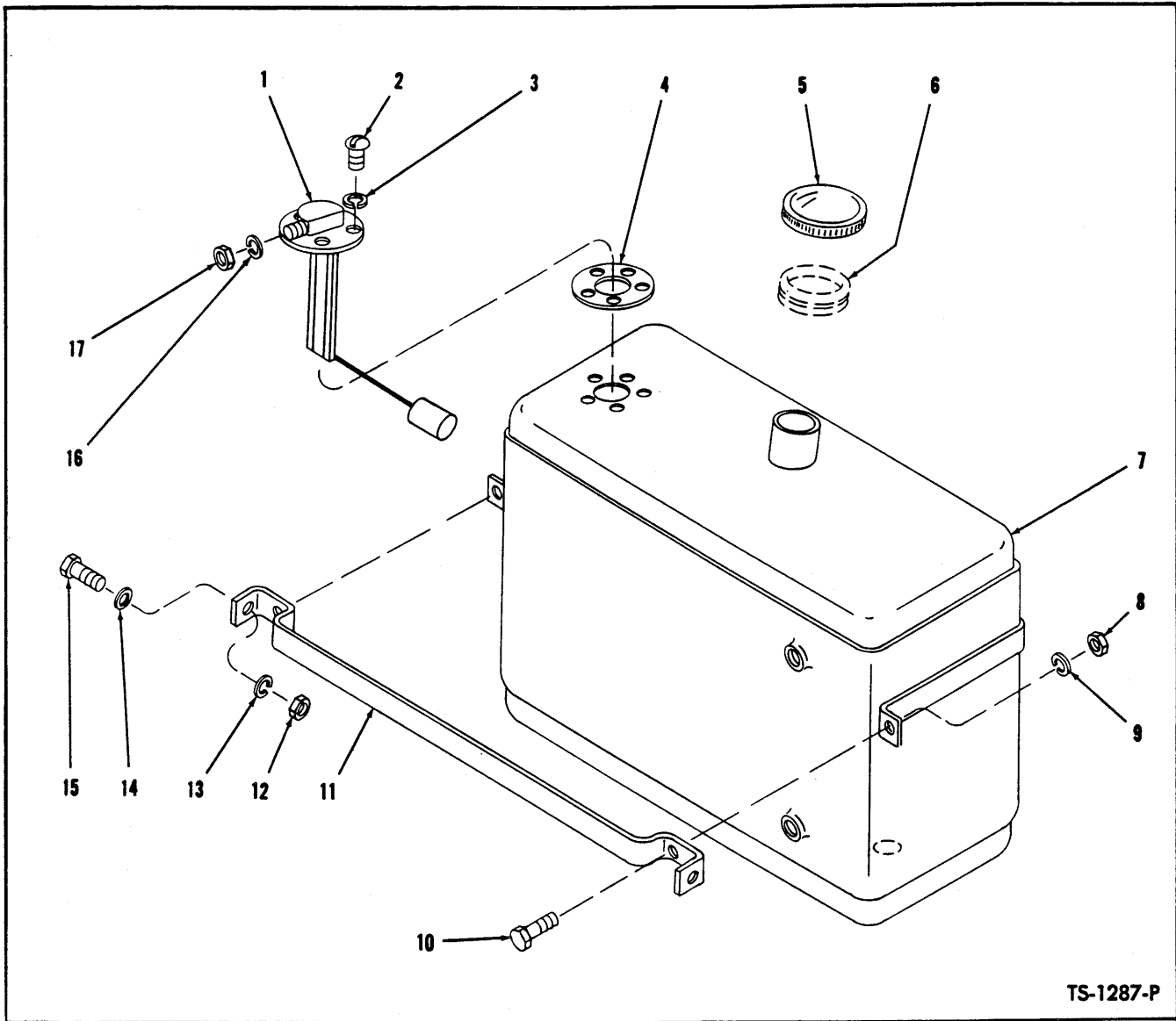
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



FUEL LINES

Item No.	Part No.	Description	No. Req'd.
1	2D-06	NUT, Fuel Line Clip	3
2	4E-06	LKWSHR, Fuel Line Clip	3
3	2C-624	BOLT, Fuel Line Clip	3
4	6H-9	CLIP, Fuel Line	3
5	526607	LINE, Fuel	1
6	—	FUEL TANK (See Index)	—
7	13F-04	PLUG, Pipe	1
8	71F-2	DRAINCOCK, Fuel Tank	1
9	69F-4	VALVE, Fuel Shut-Off	1
10	—	FUEL PUMP (See Index)	—
11	550984	HOSE, Fuel Line to Fuel Pump	1

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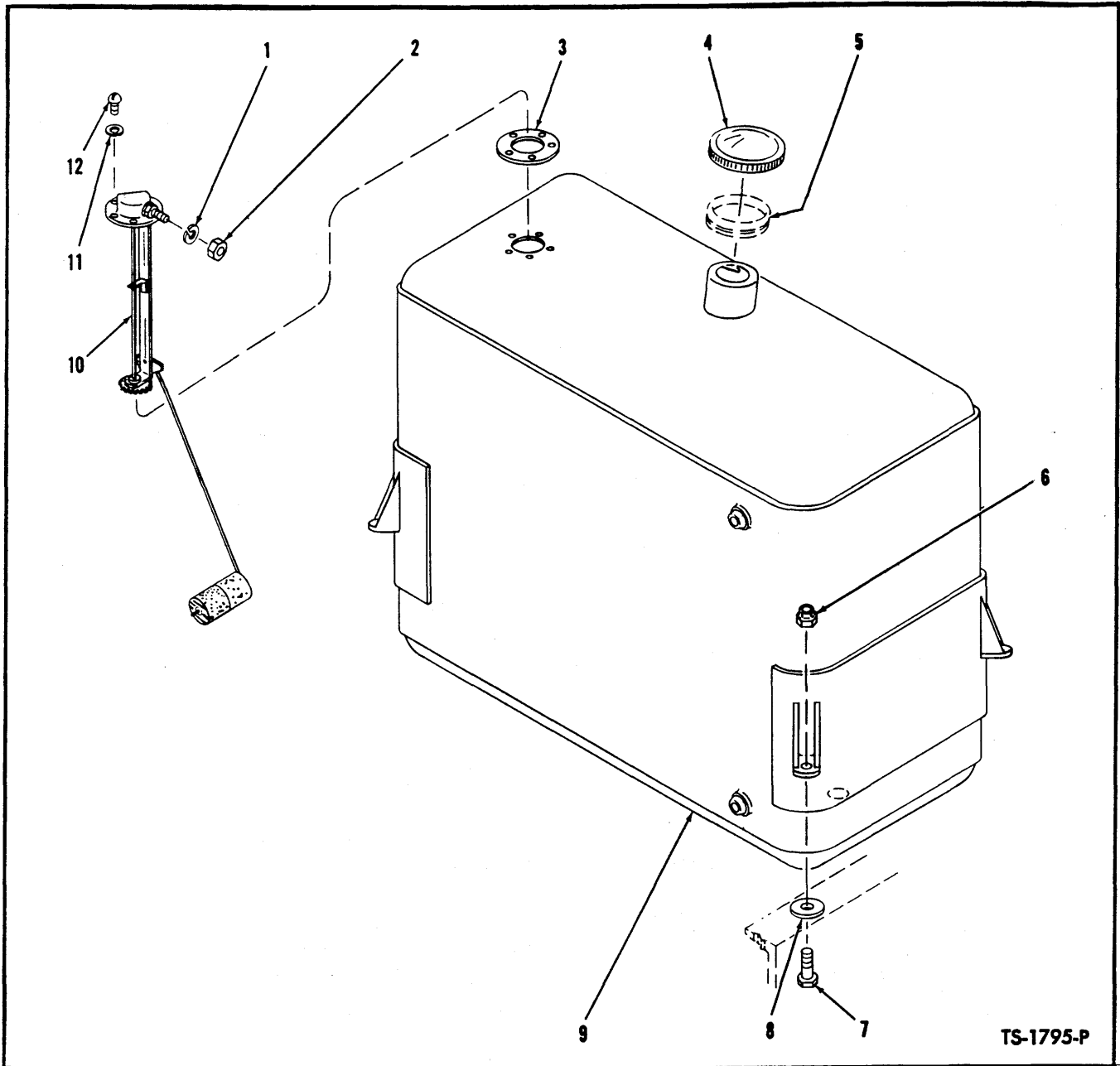
TS-1287-P

FUEL TANK – MODEL 55A

For Serial 3726 thru 3785

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	528100	GAUGE, Fuel Tank	1	10	2C-424	BOLT, Brace to Strap	2
2	3G-1008	SCREW, Fuel Gauge to Tank	5	11	526514	BRACE, Fuel Tank	1
3	12E-10	LKWSHR, Fuel Gauge to Tank	5	12	2D-06	NUT, Brace to Shroud	2
4	627982	GASKET, Fuel Gauge to Tank	1	13	4E-06	LKWSHR, Brace to Shroud	2
5	539837	CAP, Fuel Tank	1	14	103293	WASHER, Brace to Shroud	2
6	—	GROMMET (See Shroud, Index)	—	15	2C-614	BOLT, Brace to Shroud	2
7	526510	TANK, Fuel	1	16	12E-10	LKWSHR, Fuel Gauge Terminal	1
8	2D-04	NUT, Brace to Strap	2	17	14D-10	NUT, Fuel Gauge Terminal	1
9	4E-04	LKWSHR, Brace to Strap	2				

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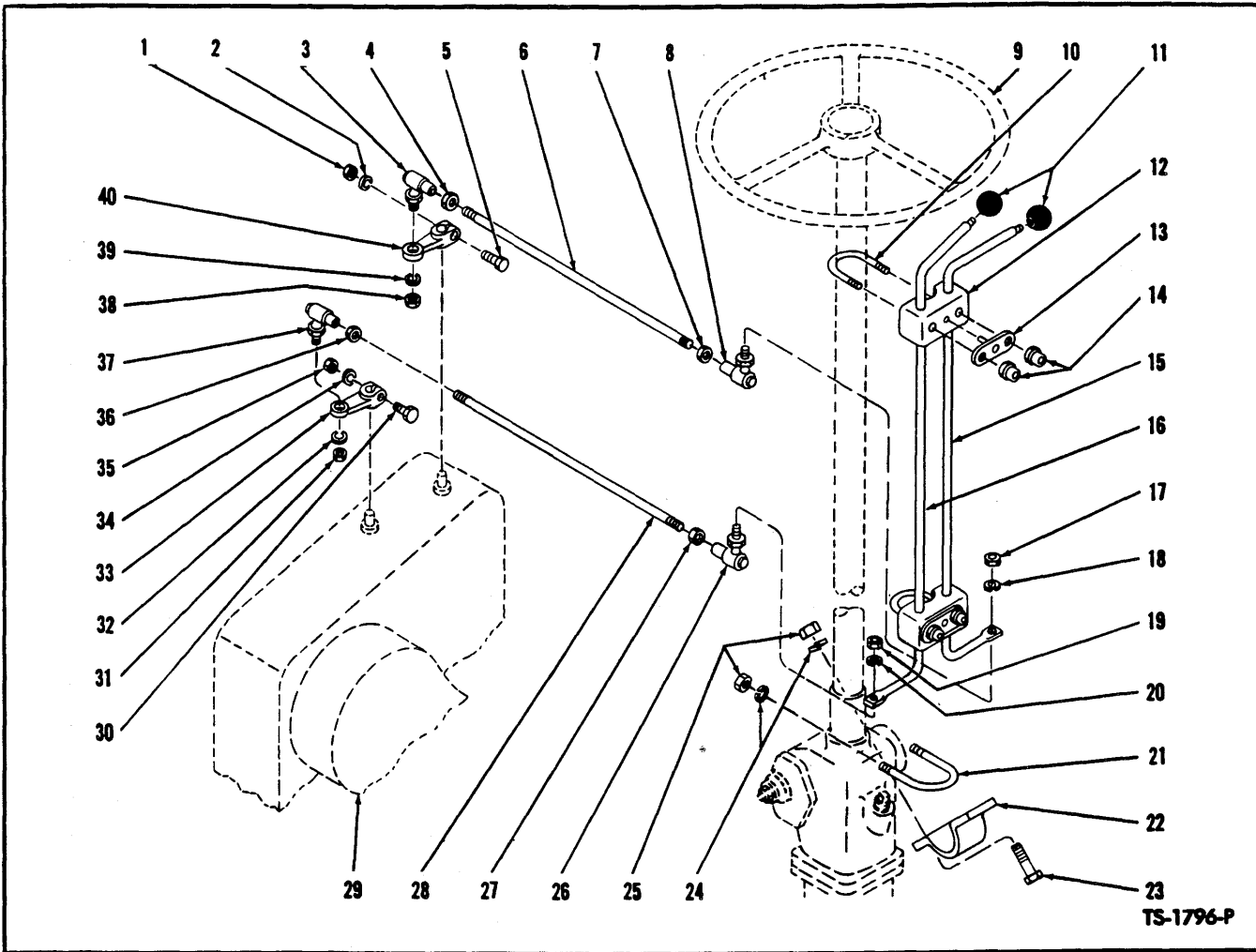
TS-1795-P

FUEL TANK

For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999
55B — 50BCO1 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.
1	12E-10	LKWSHR, Fuel Gauge Terminal	1
2	14D-10	NUT, Fuel Gauge Terminal	1
3	627982	GASKET, Fuel Gauge to Tank	1
4	539837	CAP, Fuel Tank	1
5	-----	GROMMET (See Shroud, Index)	—
6	21D-08	NUT, Fuel Tank Mounting	4
7	2C-828	BOLT, Fuel Tank Mounting	4
8	518233	PAD, Fuel Tank to Frame	4
9	527324	TANK, Fuel	1
10	528100	GAUGE, Fuel Tank	1
11	12E-10	LKWSHR, Fuel Gauge to Tank	5
12	3G-1008	SCREW, Fuel Gauge to Tank	5

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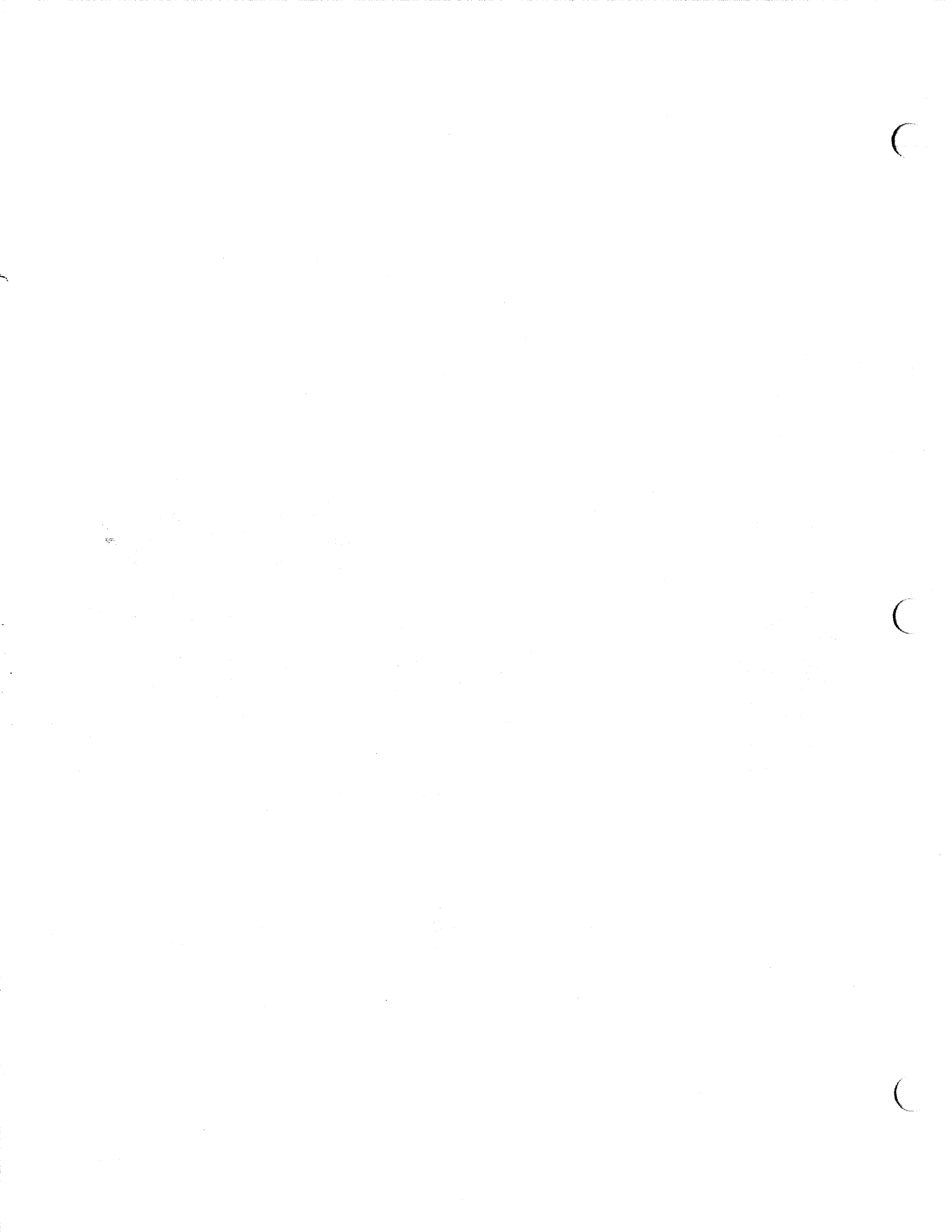


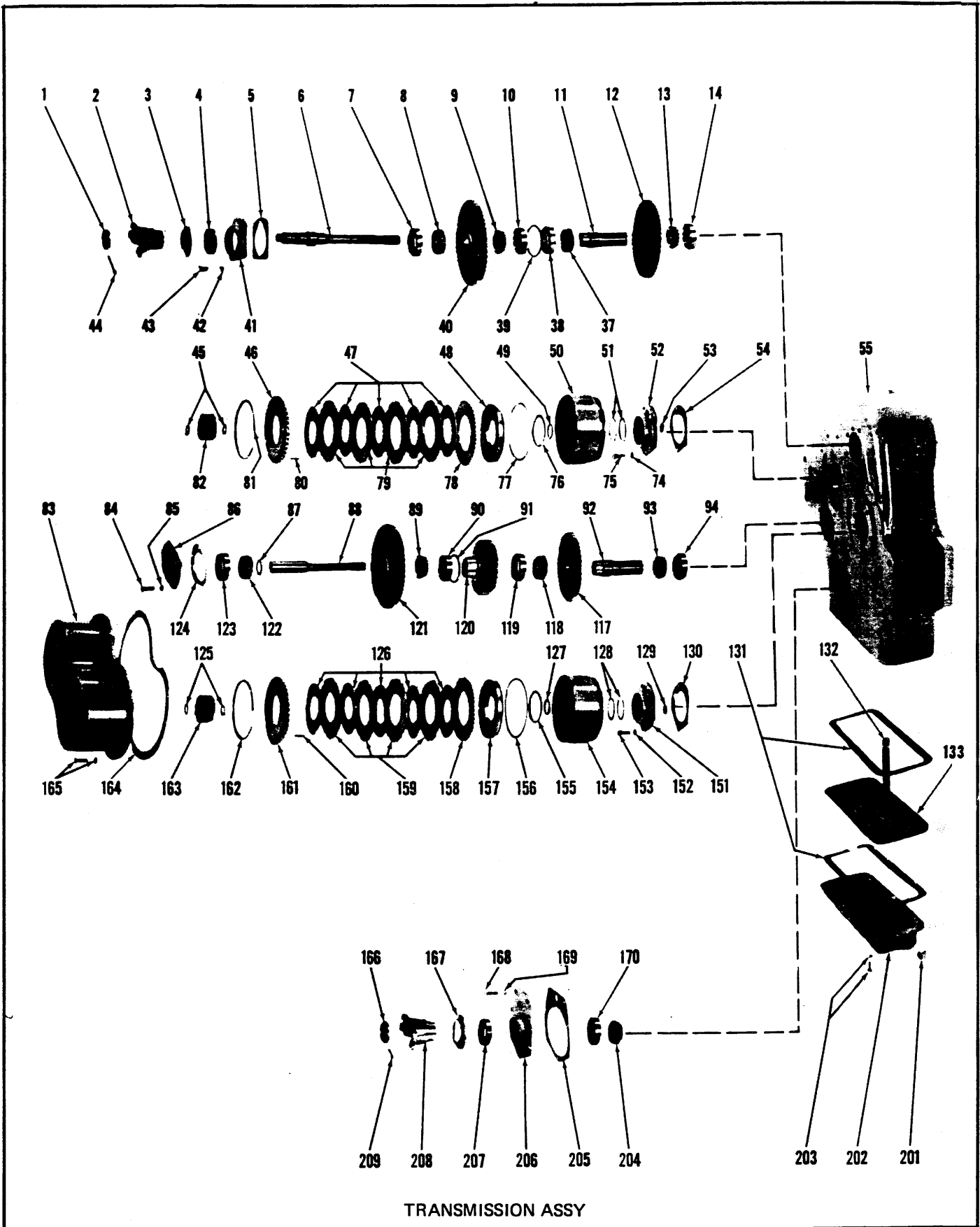
TS-1796-P

GEAR SHIFT LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2D-04	NUT, Transmission Valve Lever	1	19	8D-06	NUT, Ball Socket to Lever	1
2	4E-04	LKWSHR, Transmission Valve Lever	1	20	4E-06	LKWSHR, Ball Socket to Lever	1
3	2520677	BALL SOCKET, Rod to Trans. Lever	1	21	523783	U-BOLT, Steering Gear to Frame	1
4	8D-06	NUT, Ball Socket Jam	1	22	550044	CLAMP, Steering Gear to Frame	1
5	2C-424	BOLT, Transmission Valve Lever	1	23	2C-832	BOLT, Clamp to Frame	2
6	550674	ROD, Shift	1	24	4E-08	LKWSHR, Clamp & U-Bolt to Frame....	4
7	8D-06	NUT, Ball Socket Jam	1	25	2D-08	NUT, Clamp & U-Bolt to Frame	4
8	2520677	BALL SOCKET, Rod to Shift Lever	1	26	2520677	BALL SOCKET, Rod to Shift Lever	1
9	---	STEERING WHEEL (See Index)	—	27	8D-06	NUT, Ball Socket Jam	1
10	550672	U-BOLT, Support to Steering Column..	2	28	550674	ROD, Shift	1
11	509772	KNOB, Shift Lever	2	29	---	TRANSMISSION (See Index)	—
12	---	*SUPPORT, Shift Levers		30	2C-424	BOLT, Lever to Transmission	1
12A	581978	Male Half	2	31	8D-06	NUT, Ball Socket to Trans. Lever	1
12B	581979	Female Half	2	32	4E-06	LKWSHR, Ball Socket to Trans. Lever ..	1
13	550669	PLATE, Shift Lever Support	2	33	550803	LEVER, Rod to Transmission	1
14	18D-05	NUT, U-Bolt	4	34	4E-04	LKWSHR, Lever to Transmission	1
15	526562	LEVER, High & Low Shift	1	35	2D-04	NUT, Lever to Transmission	1
16	526560	LEVER, Forward & Reverse Shift	1	36	8D-06	NUT, Ball Socket Jam	1
17	8D-06	NUT, Ball Socket to Lever	1	37	2520677	BALL SOCKET, Rod to Trans. Lever	1
18	4E-06	LKWSHR, Ball Socket to Lever	1	38	8D-06	NUT, Ball Socket to Trans. Lever	1
				39	4E-06	LKWSHR, Ball Socket to Trans. Lever..	1
				40	550803	LEVER, Rod to Transmission	1

NOTE: When 581978 and 581979 Nylon Supports are installed in place of (one piece) rubber support, 550669 Plate Item 13 is not required.





TRANSMISSION ASSY

TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
71	4E-07	LKWSHR, Bearing Cap	4	106	5C-614	BOLT & LKWSHR, Clutch Cover	10
72	209365	‡SHIM, Bearing Cap —.004	—	107	216673	HUB, Clutch Disc	1
72A	209366	‡SHIM, Bearing Cap —.007	—	108	223942	RING, End Plate Retaining	1
72B	209367	‡SHIM, Bearing Cap —.010	—	109	208760	PLATE, Clutch Disc End	1
73	209375	GEAR, 1st & 3rd Drop (44T)	1	110	216697	SPRING, Clutch Disc Release	10
74	4E-07	LKWSHR, Bearing Cap	4	111	208773	DISC, Clutch Outer	4
75	1C-718	BOLT, Bearing Cap	4	112	221998	DISC, Clutch Outer	1
76	234038	RING, Clutch Piston Inner Sealing	1	113	224097	RING, Clutch Drum Hub Retaining.....	1
77	208776	SEAL, Clutch Piston Outer	1	114	1C-718	BOLT, Bearing Cap	4
78	221998	DISC, Clutch Outer	1	115	4E-07	LKWSHR, Bearing Cap	4
79	208773	DISC, Clutch Outer	4	116	209391	CAP, Clutch Bearing	1
80	216697	SPRING, Clutch Disc Release	10	117	209369	GEAR, 2nd & 4th Drive (43T)	1
81	223942	RING, End Plate Retaining	1	118	675548	CONE, 2nd & 4th Shaft Bearing	1
82	216673	HUB, Clutch Disc	1	119	675544	CUP, 2nd & 4th Shaft Bearing	1
83	209357	COVER, Clutch	1	120	220395	GEAR, 2nd & 4th Low Drive (32T).....	1
84	1C-718	BOLT, Bearing Cap	4	121	209421	GEAR, 2nd & 4th Drive Shaft Hi (57T) 1	1
85	4E-07	LKWSHR, Bearing Cap	4	122	675545	CONE, 2nd & 4th Shaft Bearing	1
86	209416	CAP, 2nd & 4th Bearing	1	123	675542	CUP, 2nd & 4th Shaft Bearing	1
87	224031	RING, 2nd & 4th High Gear Locating 1	1	124	209417	‡SHIM, 2nd & 4th Bearing Cap —.004 ..	—
88	216672	SHAFT, 2nd & 4th Drive	1	124A	209418	‡SHIM, 2nd & 4th Bearing Cap —.007..	—
89	675546	CONE, 2nd & 4th Shaft Bearing	1	124B	209419	‡SHIM, 2nd & 4th Bearing Cap —.010 ..	—
90	675542	CUP, 2nd & 4th Shaft Bearing	1	125	224068	RING, Clutch Disc Hub Retaining	2
91	223951	RING, 2nd & 4th Shaft Brng. Locating 1	1	126	216677	DISC, Clutch Inner	5
92	209368	SHAFT, 2nd & 4th Quill	1	127	224097	RING, Clutch Drum Hub Retaining	1
93	675548	CONE, 2nd & 4th Shaft Bearing	1	128	209387	RING, Hub Oil Seal	2
94	675544	CUP, 2nd & 4th Shaft Bearing	1	129	25K-30016	"O" RING, Bearing Cap	1
95	221401	GASKET, Clutch Cover	1	130	209392	‡SHIM, Clutch Bearing Cap —.004	—
96	209392	‡SHIM, Clutch Bearing Cap —.004	—	130A	209393	‡SHIM, Clutch Bearing Cap —.007	—
96A	209393	‡SHIM, Clutch Bearing Cap —.007	—	130B	209394	‡SHIM, Clutch Bearing Cap —.010	—
96B	209394	‡SHIM, Clutch Bearing Cap —.010	—	130C	221208	‡SHIM, Clutch Bearing Cap —.020	—
96C	221208	‡SHIM, Clutch Bearing Cap —.020	—	131	209353	GASKET, Oil Pan	2
97	25K-30016	"O" RING, Bearing Cap	1	132	220673	PIPE, Oil Suction	1
98	209387	RING, Hub Oil Seal	2	133	220669	SCREEN, Sump	1
99	222410	DRUM ASSY (Inc. 99A, 99B)	1	134	223881	RING, Reverse Shaft Bearing Locating 2	2
99A	222407	†HOUSING, Bleed Valve	1	135	675544	CUP, Reverse Shaft Bearing	1
99B	10J-06	†BALL, Bleed Valve	1	136	675547	CONE, Reverse Shaft Bearing	1
100	234038	RING, Clutch Piston Inner Sealing	1	137	675547	CONE, Reverse Shaft Bearing	1
101	208776	SEAL, Clutch Piston Outer	1	138	675544	CUP, Reverse Shaft Bearing	1
102	221996	PISTON, Clutch	1	139	4E-07	LKWSHR, Reverse Bearing Cap	4
103	216677	DISC, Clutch Inner	5	140	1C-718	BOLT, Reverse Bearing Cap	4
104	224068	RING, Clutch Disc Hub Retaining	2	141	209364	CAP, Reverse Bearing	1
105	209358	COVER, Clutch	1	142	209365	‡SHIM, Reverse Bearing Cap —.004.....	—

‡As Required
†Not Illustrated

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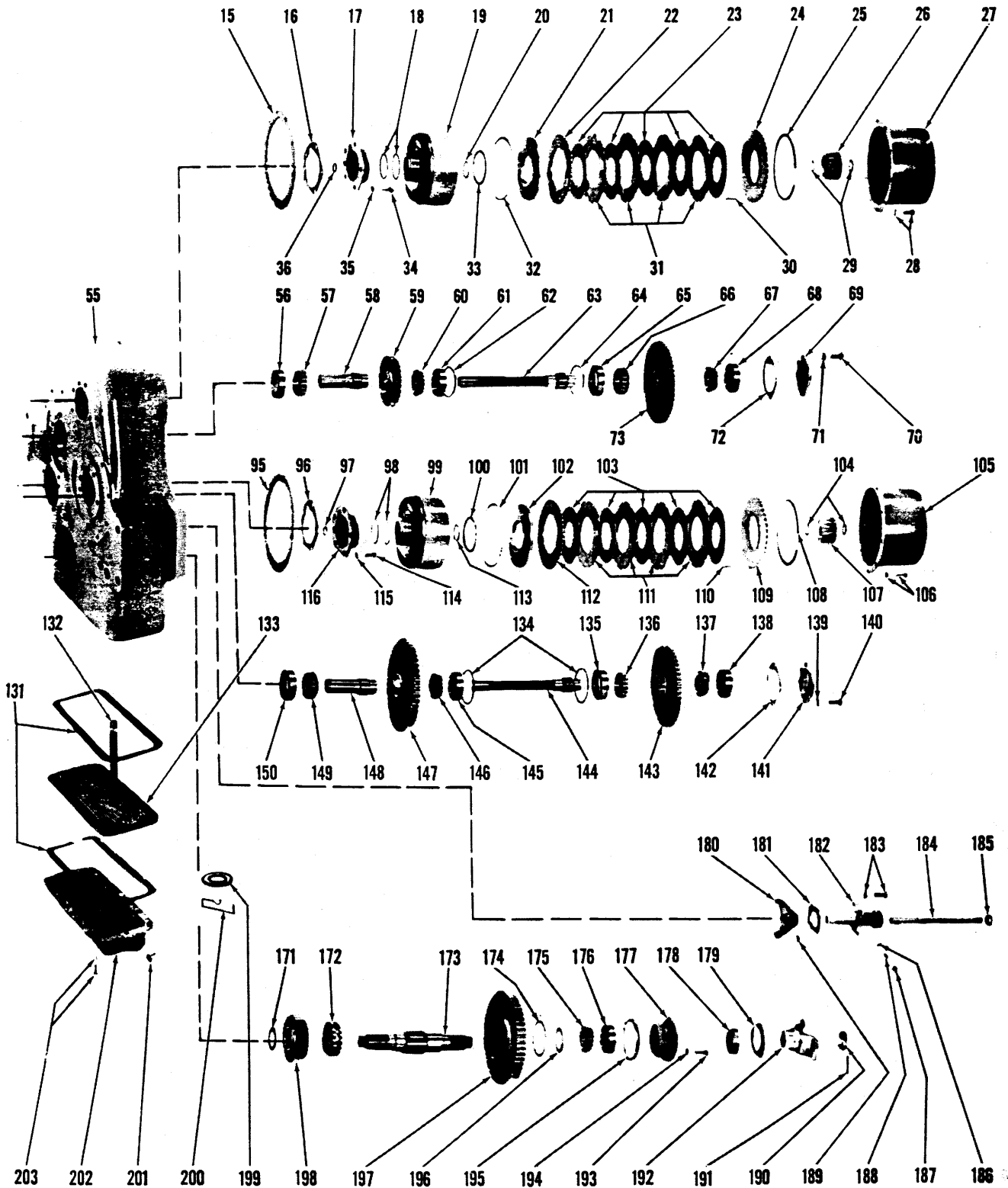
TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
142A	209366	‡SHIM, Reverse Bearing Cap —.007	—	180	209403	FORK, High & Low Shift	1
142B	209367	‡SHIM, Reverse Bearing Cap —.010	—	181	209406	GASKET, Shift Shaft Support	1
143	209372	GEAR, Reverse Idler (52-T)	1	182	209405	SUPPORT, Shift Shaft	1
144	216671	SHAFT, Reverse	1	183	5C-616	BOLT & LKWSHR, Shift Shaft Support	4
145	675544	CUP, Reverse Shaft Bearing	1	184	209404	SHAFT, High & Low Shift	1
146	675548	CONE, Reverse Shaft Bearing	1	185	208871	SEAL, Shift Shaft Support Oil	1
147	209371	GEAR, Reverse Shaft Drive (54-T)	1	186	10J-12	BALL, Mesh Lock (Support)	1
148	209368	SHAFT, Reverse Quill	1	187	40K-04	PLUG, Mesh Lock (Support)	1
149	675548	CONE, Reverse Shaft Bearing	1	188	201844	SPRING, Mesh Lock (Support)	1
150	675544	CUP, Reverse Shaft Bearing	1	189	201566	SCREW, Fork Lock	1
151	209391	CAP, Clutch Bearing	1	189A	28H-18	†LOCKWIRE, Fork Lock Screw	1
152	4E-07	LKWSHR, Bearing Cap	4	190	205928	NUT, Output Shaft Flange	1
153	1C-718	BOLT, Bearing Cap	4	191	1F-432	COTTER, Flange Nut	1
154	222410	DRUM ASSY, Clutch (Inc. 154A, 154B)	1	192	224465	FLANGE ASSY, Output (Inc. 181)	1
154A	222407	†HOUSING, Bleed Valve	1	193	1C-718	BOLT, Bearing Cap	4
154B	10J-06	†BALL, Bleed Valve	1	194	4E-07	LKWSHR, Bearing Cap	4
155	234038	RING, Clutch Piston Inner Sealing	1	195	209701	‡SHIM, Bearing Cap —.004	—
156	208776	SEAL, Clutch Piston Outer	1	195A	209702	‡SHIM, Bearing Cap —.007	—
157	221996	PISTON, Clutch	1	195B	209703	‡SHIM, Bearing Cap —.010	—
158	221998	DISC, Clutch Outer	1	196	209407	WASHER, Output Shaft Gear Thrust	1
159	208773	DISC, Clutch Outer	4	197	800656	GEAR & BUSHING ASSY, Low (55-T) (Inc. 174, 197A)	1
160	216697	SPRING, Clutch Disc Release	10	197A	209402	†BUSHING, Low Gear	1
161	208760	PLATE, Clutch Disc End	1	198	209396	GEAR & BUSHING ASSY, High (29-T) (Inc. 198A)	1
162	223942	RING, End Plate Retaining	1	198A	209398	†BUSHING, High Gear	1
163	216673	HUB, Clutch Disc	1	199	525293	MAGNET, Sump Screen	1
164	209370	GASKET, Cover	1	200	223780	SPRING, Magnet Retaining	1
165	5C-614	BOLT & LKWSHR, Cover	16	201	201120	PLUG, Drain — Magnetic	1
166	205928	NUT, Output Shaft Flange	1	202	215644	COVER, Oil	1
167	100949	DEFLECTOR, Flange	1	203	5C-616	BOLT & LKWSHR, Oil Pan	14
168	1C-720	BOLT, Rear Output Shaft Brng. Ret.	7	204	675548	CONE, Output Shaft Rear Bearing	1
169	4E-07	LKWSHR, Rear Output Shaft Bearing Retainer	7	205	209411	SHIM, Output Shaft Rear Brng. Ret.	1
170	675544	CUP, Output Shaft Rear Bearing	1	206	209410	RETAINER, Output Shaft Rear Bearing	1
171	209407	WASHER, Output Shaft Gear Thrust	1	207	206864	SEAL, Output Shaft Rear Oil	1
172	209409	HUB, Output Shaft Hi & Low Shift	1	208	224465	FLANGE ASSY, Output (Inc. 208)	1
173	209408	SHAFT, Output	1	209	1F-432	COTTER, Flange Nut	1
174	209673	RING, Low Gear Oil	1	210	19F-8	†BUSHING, Reducing 3/8 x 3/4	1
175	675548	CONE, Output Shaft Front Bearing	1	211	356626	†BUSHING, Reducing 1 x 1 1/4	1
176	675544	CUP, Output Shaft Front Bearing	1	212	13F-12	†PLUG, Oil Level 3/4"	1
177	209692	CAP, Output Shaft Bearing	1	213	13F-06	†PLUG, Breather Hole	1
178	206864	SEAL, Output Shaft Front Oil	1				
179	100949	DEFLECTOR, Flange	1				

†Not Illustrated

‡As Required

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



TRANSMISSION ASSEMBLY

TS-1889-P

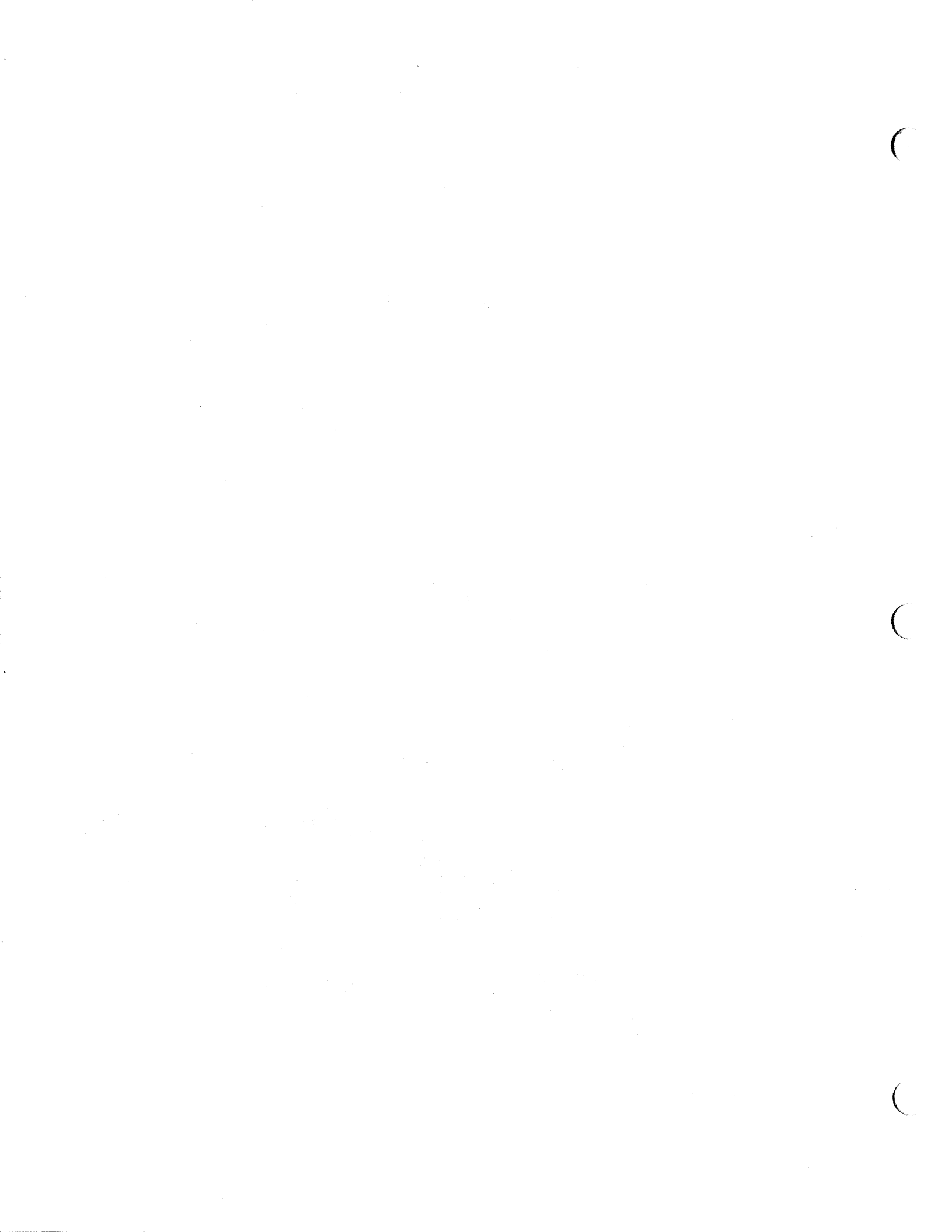
TRANSMISSION ASSEMBLY

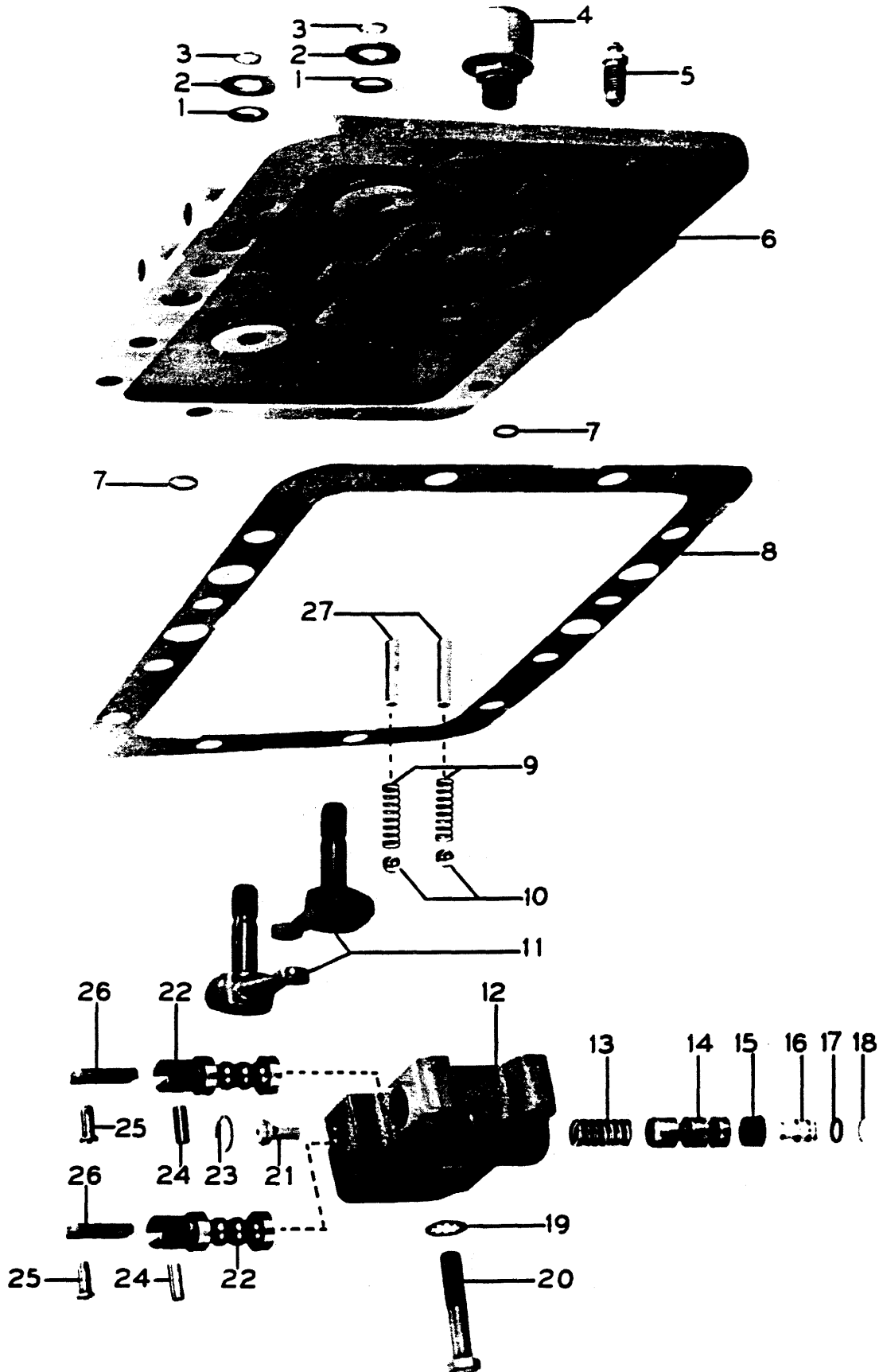
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281041	*TRANSMISSION ASSY (Inc. 1 thru 213) — T75A-6	1	34	1C-718	BOLT, Bearing Cap	4
1	201951	NUT, Input Flange	1	35	4E-07	LKWSHR, Bearing Cap	4
2	209343	FLANGE ASSY, Input (Inc. 3)	1	36	25K-30016	"O" RING, Bearing Cap	1
3	100949	DEFLECTOR, Input Flange	1	37	675548	CONE, Input Shaft Bearing	1
4	206864	SEAL, Input Shaft Oil	1	38	675544	CUP, Input Shaft Bearing	1
5	209340	‡SHIM, Bearing Cap —.004	—	39	223881	RING, Input Shaft Bearing Locating	2
5A	209341	‡SHIM, Bearing Cap —.007	—	40	209377	GEAR, Input Shaft Reverse (45T)	1
5B	209342	‡SHIM, Bearing Cap —.010	—	41	209339	CAP, Input Shaft Bearing	1
6	216674	SHAFT, Input	1	42	4E-07	LKWSHR, Bearing Cap	4
7	675544	CUP, Input Shaft Bearing	1	43	1C-718	BOLT, Bearing Cap	4
8	675547	CONE, Input Shaft Bearing	1	44	1F-424	COTTER, Input Flange Nut	1
9	675547	CONE, Input Shaft Bearing	1	45	224068	RING, Clutch Disc Hub Retaining	2
10	675544	CUP, Input Shaft Bearing	1	46	208760	PLATE, Clutch Disc End	1
11	209368	SHAFT, Forward Gear Quill	1	47	216677	DISC, Clutch Inner	5
12	209369	GEAR, Input Shaft Forward (54T)	1	48	221996	PISTON, Clutch	1
13	675548	CONE, Input Shaft Bearing	1	49	224097	RING, Clutch Drum Hub Retaining	1
14	675544	CUP, Input Shaft Bearing	1	50	222410	DRUM ASSY, Clutch (Inc. 50A, 50B)	1
15	221401	GASKET, Clutch Cover	1	50A	222407	†HOUSING, Bleed Valve	1
16	209392	‡SHIM, Clutch Bearing Cap —.004	—	50B	10J-06	†BALL, Bleed Valve	1
16A	209393	‡SHIM, Clutch Bearing Cap —.007	—	51	209387	RING, Hub Oil Seal	2
16B	209394	‡SHIM, Clutch Bearing Cap —.010	—	52	209391	CAP, Clutch Bearing	1
16C	221208	‡SHIM, Clutch Bearing Cap —.020	—	53	25K-30016	"O" RING, Bearing Cap	1
17	209391	CAP, Clutch Bearing	1	54	209392	‡SHIM, Clutch Bearing Cap —.004	—
18	209387	RING, Hub Oil Seal	2	54A	209393	‡SHIM, Clutch Bearing Cap —.007	—
19	222410	DRUM ASSY, Clutch (Inc. 19A, 19B)	1	54B	209394	‡SHIM, Clutch Bearing Cap —.010	—
19A	222407	†HOUSING, Bleed Valve	1	54C	221208	‡SHIM, Clutch Bearing Cap —.020	—
19B	10J-06	†BALL, Bleed Valve	1	55	220672	CASE, Transmission	1
20	224097	RING, Clutch Drum Hub Retaining	1	56	675544	CUP, 1st & 3rd Shaft Bearing	1
21	221996	PISTON, Clutch	1	57	675548	CONE, 1st & 3rd Shaft Bearing	1
22	221998	DISC, Clutch Outer	1	58	209368	SHAFT, 1st & 3rd Quill	1
23	216677	DISC, Clutch Inner	5	59	209374	GEAR, 1st & 3rd Drive (29T)	1
24	208760	PLATE, Clutch Disc End	1	60	675548	CONE, 1st & 3rd Shaft Bearing	1
25	223942	RING, End Plate Retaining	1	61	675544	CUP, 1st & 3rd Shaft Bearing	1
26	216673	HUB, Clutch Disc	1	62	223881	RING, 1st & 3rd Shaft Brng. Locating	1
27	209358	COVER, Clutch	1	63	216671	SHAFT, 1st & 3rd Drive	1
28	5C-614	BOLT & LKWSHR, Clutch Cover	10	64	223881	RING, 1st & 3rd Shaft Brng. Locating	1
29	224068	RING, Clutch Disc Hub Retaining	2	65	675544	CUP, 1st & 3rd Shaft Bearing	1
30	216697	SPRING, Clutch Disc Release	10	66	675547	CONE, 1st & 3rd Shaft Bearing	1
31	208773	DISC, Clutch Outer	4	67	675547	CONE, 1st & 3rd Shaft Bearing	1
32	208776	SEAL, Clutch Piston Outer	1	68	675544	CUP, 1st & 3rd Shaft Bearing	1
33	234038	RING, Clutch Piston Inner Sealing	1	69	209364	CAP, 1st & 3rd Shaft Bearing	1
				70	1C-718	BOLT, Bearing Cap	4

‡As Required
†Not Illustrated

*NOTE: For complete replacement use 282983 Transmission Assy. plus 1—356621 Reducing Bushing.

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TRANSMISSION CONTROL COVER ASSEMBLY

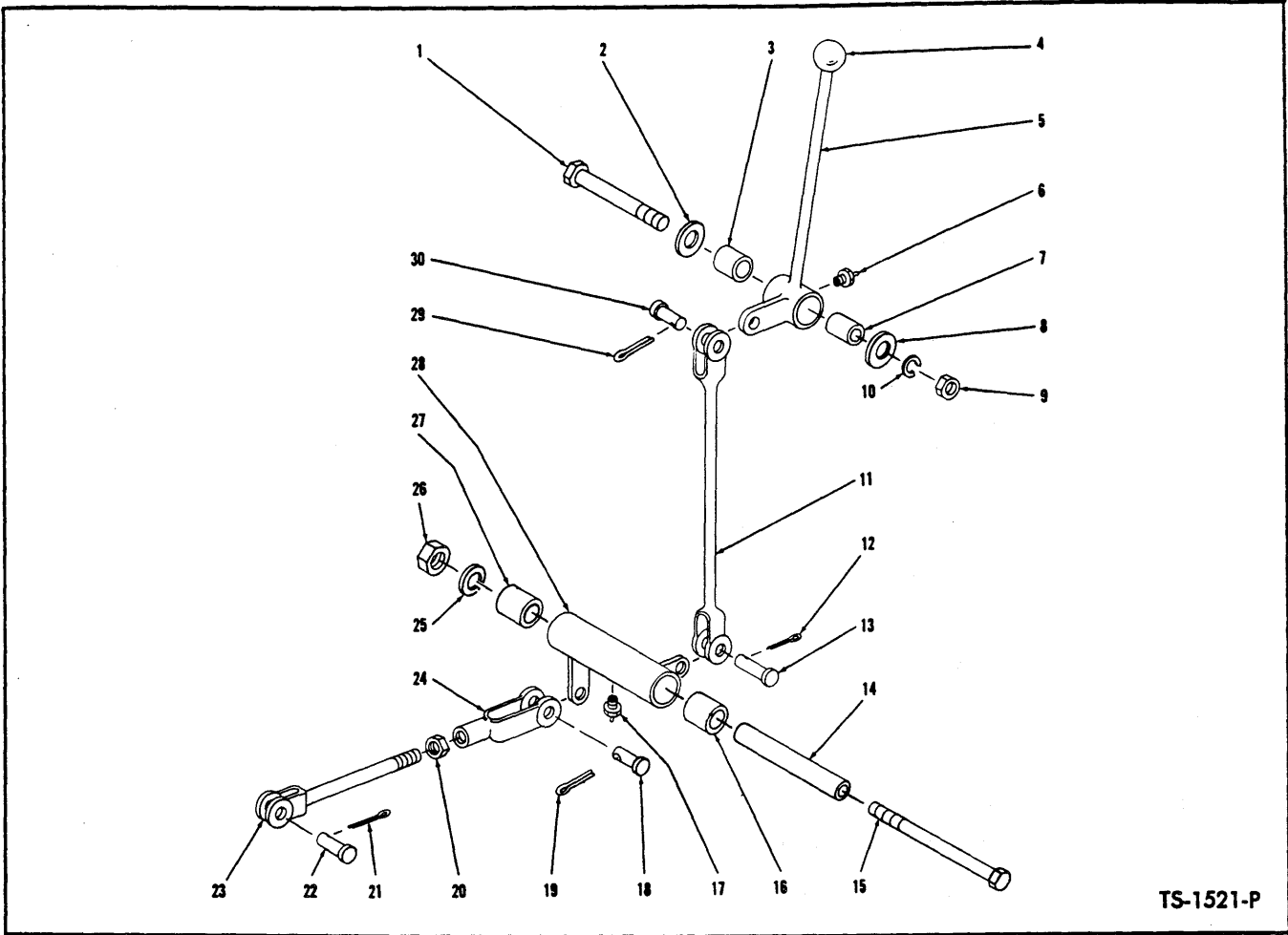
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TRANSMISSION CONTROL COVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	800657	CONTROL COVER & VALVE ASSY (Inc. 1 thru 29)	1
1	208812	SEAL, Selector Arm Shaft	2
2	25E-21	WASHER, Selector Arm Shaft	2
3	224095	RING, Selector Arm Shaft Washer Retaining	2
4	104942	BREATHER ASSEMBLY	1
5	208805	VALVE, Bleeder	1
6	209378	COVER, Control	1
7	25K-30016	"O" RING	5
8	209379	GASKET, Control Cover	1
9	203647	SPRING, Selector Valve Detent	2
10	10J-12	BALL, Selector Valve Detent Spring	2
11	209690	SELECTOR ARM & SHAFT ASSY	2
12	209380	HOUSING, Selector Valve	1
13	220363	SPRING, Shutoff Valve	1
14	208815	VALVE, Shutoff	1
15	227874	CUP, Shutoff Valve Sealing	1
16	209878	STOP, Shutoff Valve	1
17	25K-30014	SEAL, Shutoff Valve Stop	1
18	223944	RING, Shutoff Valve Stop Retaining	1
19	6E-06	LKWSHR, Control Valve Bolt	4
20	1C-628	BOLT, Control Valve	4
21	227873	GUIDE, Valve Spring	1
22	-----	§ SELECTOR VALVE (See 29)	2
23	223944	RING, Shutoff Valve Spring Retaining	1
24	208809	PIN, Selector Valve Link	2
25	208810	PIN, Selector Valve Link Clevis	2
26	209382	LINK, Selector Valve	2
27	209874	BALL STOP, Selector Valve Detent	2
28	1F-208	†COTTER, Valve Link Clevis	2
29	227968	†SELECTOR VALVE ASSY (Inc. 22, 24 & 26)	2
30	13F-02	†PLUG, Control Cover Oil Passage	5
31	1C-718	†BOLT, Control Cover to Case	9
32	4E-07	†LKWSHR, Control Cover to Case	9
33	227968	†SELECTOR CONTROL VALVE ASSY (Inc. 12 thru 18, 21 thru 24 & 26)	1

†Not Illustrated
§Not Sold Separately

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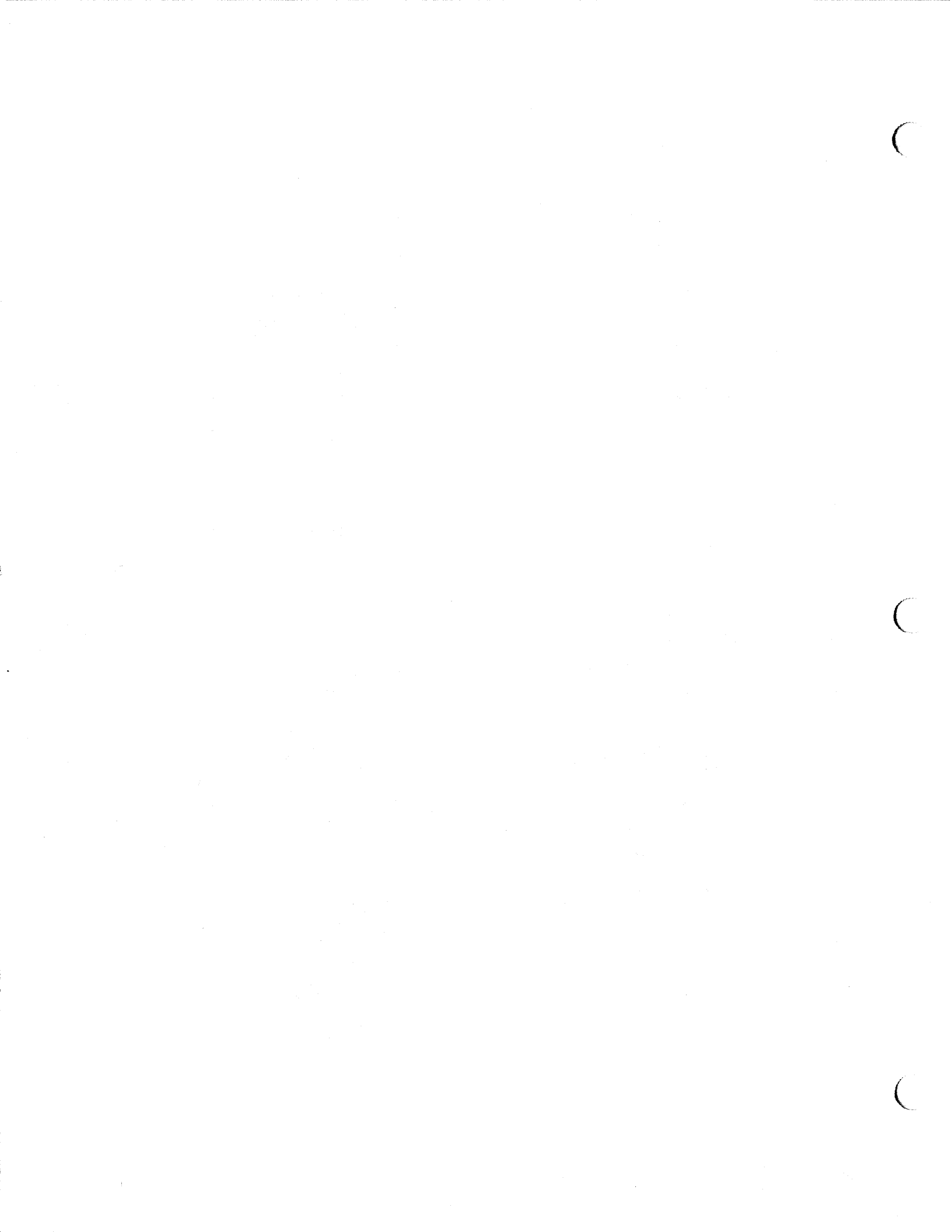


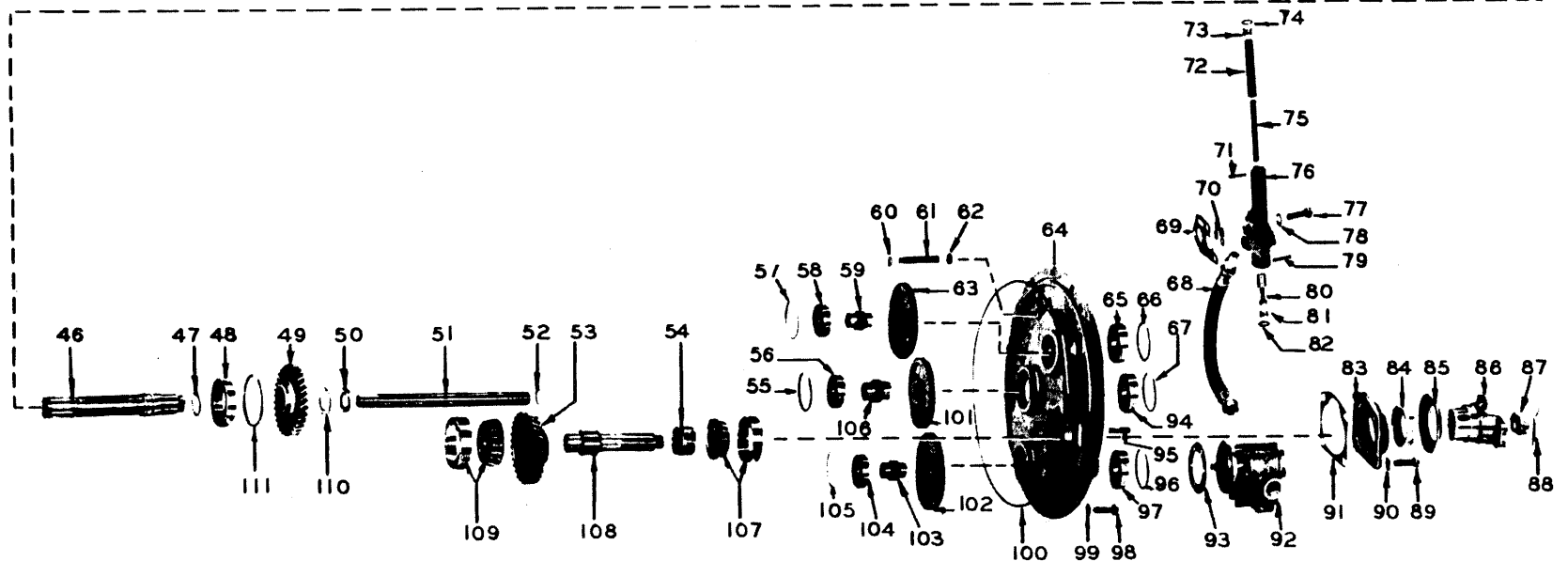
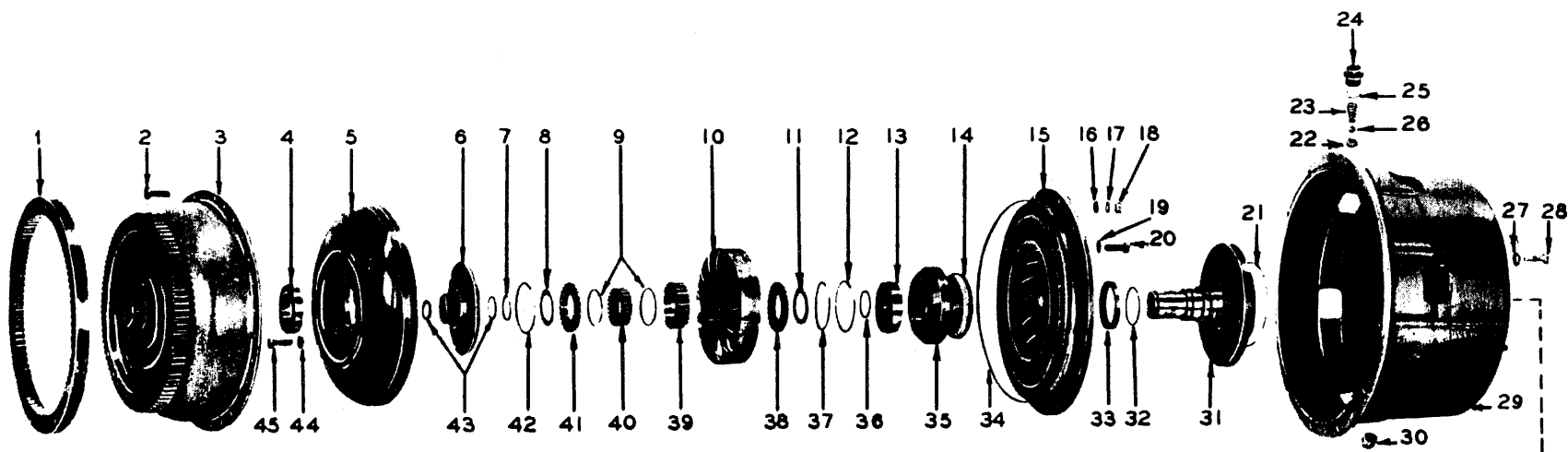
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TRANSMISSION CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-844	BOLT, Lever Mounting	1	16	526767	BUSHING, Bell Crank	1
2	616796	WASHER, Lever Mounting	1	17	12H-25	FITTING, Bell Crank Grease	1
3	526767	BUSHING, Range Lever	1	18	4F-08127	PIN, Clevis	1
4	509772	KNOB, Range Lever	1	19	1F-414	COTTER, Clevis Pin	1
5	550677	LEVER ASSY, Range (Inc. 3)	1	20	8D-08	NUT, Clevis Jam	1
6	12H-25	FITTING, Range Lever Grease	1	21	1F-310	COTTER, Clevis Pin	1
7	550646	SLEEVE, Lever Mounting	1	22	4F-06106	PIN, Clevis	1
8	616796	WASHER, Lever Mounting	1	23	550683	ROD, Range Shift—Lower	1
9	2D-08	NUT, Lever Mounting	1	24	2J-8300	CLEVIS, Rod to Bell Crank	1
10	4E-08	LKWSHR, Lever Mounting	1	25	4E-10	LKWSHR, Bell Crank Mounting	1
11	509733	ROD, Range Shift—Upper	1	26	2D-10	NUT, Bell Crank Mounting	1
12	1F-414	COTTER, Clevis Pin	1	27	526767	BUSHING, Bell Crank	1
13	4F-08127	PIN, Clevis	1	28	551494	BELL CRANK ASSY (Inc. 16 & 27)	1
14	551496	SLEEVE, Bell Crank Mounting	1	29	1F-414	COTTER, Clevis Pin	1
15	14C-10144	BOLT, Bell Crank Mounting	1	30	4F-08127	PIN, Clevis	1

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





TORQUE CONVERTER ASSEMBLY

3609-P-87-56

TORQUE CONVERTER ASSEMBLY — MODEL 55A

For Serial 3726 thru 3785

Item No.	Part No.	Description	No. Req'd.
A	281037	TORQUE CONVERTER ASSY (C-302-6) (Inc. 1 thru 122)	1
1	233089	GEAR, Converter Drive (See 120)	1
2	2C-618	BOLT, Impeller to Drive Disc	30
3	220483	DISC ASSY (See 120)	1
4	223358	BEARING, Disc Hub	1
5	220129	TURBINE, Converter	1
6	209333	HUB, Turbine	1
7	224028	RING, Front Thrust Washer Retaining	1
8	209319	WASHER, Front Thrust	1
9	209948	SPRING, Sprag	2
10	—	REACTION MEMBER, Converter (See 121)	1
11	209320	WASHER, Rear Thrust	1
12	223859	RING, Impeller Hub Bearing Retainer	1
13	223358	BEARING, Impeller Hub	1
14	25K-40520	"O" RING, Impeller to Hub	1
15	220123	IMPELLER, Converter	1
16	619023	WASHER, Impeller to Drive Disc	30
17	6E-06	LKWSHR, Impeller to Drive Disc	30
18	2D-06	NUT, Impeller to Drive Disc	30
19	619023	WASHER, Impeller to Hub	6
20	209313	BOLT, Impeller to Hub	6
21	25K-40600	"O" RING, Converter Support	1
22	208788	SEAT, By-Pass Ball	1
23	222312	SPRING, By-Pass	1
24	220847	FITTING, By-Pass Plug	1
25	221023	SEAL, By-Pass Plug	1
26	222318	PLUNGER, By-Pass	1
27	6E-08	LKWSHR, Converter Support to Housing	6
28	2C-820	BOLT, Converter Support to Housing	6
29	222344	HOUSING, Converter (Inc. 22)	1
29A	13F-12	PLUG, Housing Filler	1
30	201120	PLUG, Magnetic Drain	1
31	220706	SUPPORT	1
32	209307	RING, Converter Support Oil	1
33	228385	SEAL, Converter Support Oil	1
34	60K41200	"O" RING, Impeller to Drive Disc	1
35	222610	HUB, Converter Impeller	1
36	224075	RING, Impeller Hub Bearing Locating	1
37	223967	RING, End Plate Retainer	1
38	220480	END PLATE	1
39	220479	RACE, Reaction Member (See 121)	1
40	221947	CLUTCH ASSY, Over-Running (Inc. Item 9)	1
41	220480	END PLATE	1
42	223967	RING, End Plate Retainer	1

TORQUE CONVERTER ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.
43	224033	RING, Turbine Hub Retainer	2
44	619023	WASHER, Turbine to Hub	6
45	209313	BOLT, Turbine to Hub	6
46	221073	SHAFT, Main Drive Gear	1
47	209304	RING, Main Drive Shaft Oil	1
48	658016	BEARING, Main Drive Gear Retainer	1
49	220492	GEAR, Main Drive (33T)	1
50	221074	NUT, Main Drive Gear Retainer	1
51	209779	SHAFT, Oil Pump	1
52	209781	RING, Oil Pump Shaft Piston	1
53	209336	GEAR, Output Shaft (32T)	1
54	209337	SPACER, Output Gear	1
55	223863	RING, Oil Pump Drive Gear Hub Retainer	1
56	743458	BEARING, Oil Pump Drive Gear Hub	1
57	223981	RING, Oil Pump Driven Gear Hub Bearing Retainer	1
58	860668	BEARING, Oil Pump Driven Gear Hub	1
59	220987	HUB, Oil Pump Driven Gear	1
60	25K-30018	"O" RING, Oil Cross-Over Tube	1
61	209869	TUBE, Oil Cross-Over	1
62	25K-30018	"O" RING, Oil Cross-Over Tube	1
63	221082	GEAR, Oil Pump Driven (43T)	1
64	221072	COVER, Converter Housing	1
65	860668	BEARING, Oil Pump Driven Gear Hub	1
66	223981	RING, Oil Pump Driven Gear Hub Bearing Retainer	1
67	223863	RING, Oil Pump Drive Gear Hub Bearing Retainer	1
68	221084	HOSE, Valve Body to Converter Pump	1
69	220978	GASKET, Valve Body	1
70	58K-210	"O" RING, Valve Body to Converter Housing	2
71	660178	PIN, Regulating Valve Body Roll	1
72	220981	SPRING, Regulating Valve, Outer	1
73	220983	STOP, Regulating Valve Piston	1
74	25K-30018	"O" RING, Regulating Valve Stop	1
75	220982	SPRING, Regulating Valve, Inner	1
76	-----	§BODY, Regulating Valve (See 122)	—
77	1C-820	BOLT, Regulating Valve Body	2
77A	1C-840	BOLT, Regulating Valve Body	1
78	4E-08	LKWSHR, Regulating Valve Body	3
79	660178	PIN, Regulating Valve Body Roll	1
80	-----	§PISTON, Regulating Valve Body (See 122)	—
81	220983	STOP, Regulating Valve Body	1
82	25K-30018	"O" RING, Regulating Valve Stop	1
83	221076	CAP, Output Shaft	1
84	206864	SEAL, Output Shaft Oil	1
85	100949	DEFLECTOR, Output Shaft	1

§Not Sold Separately

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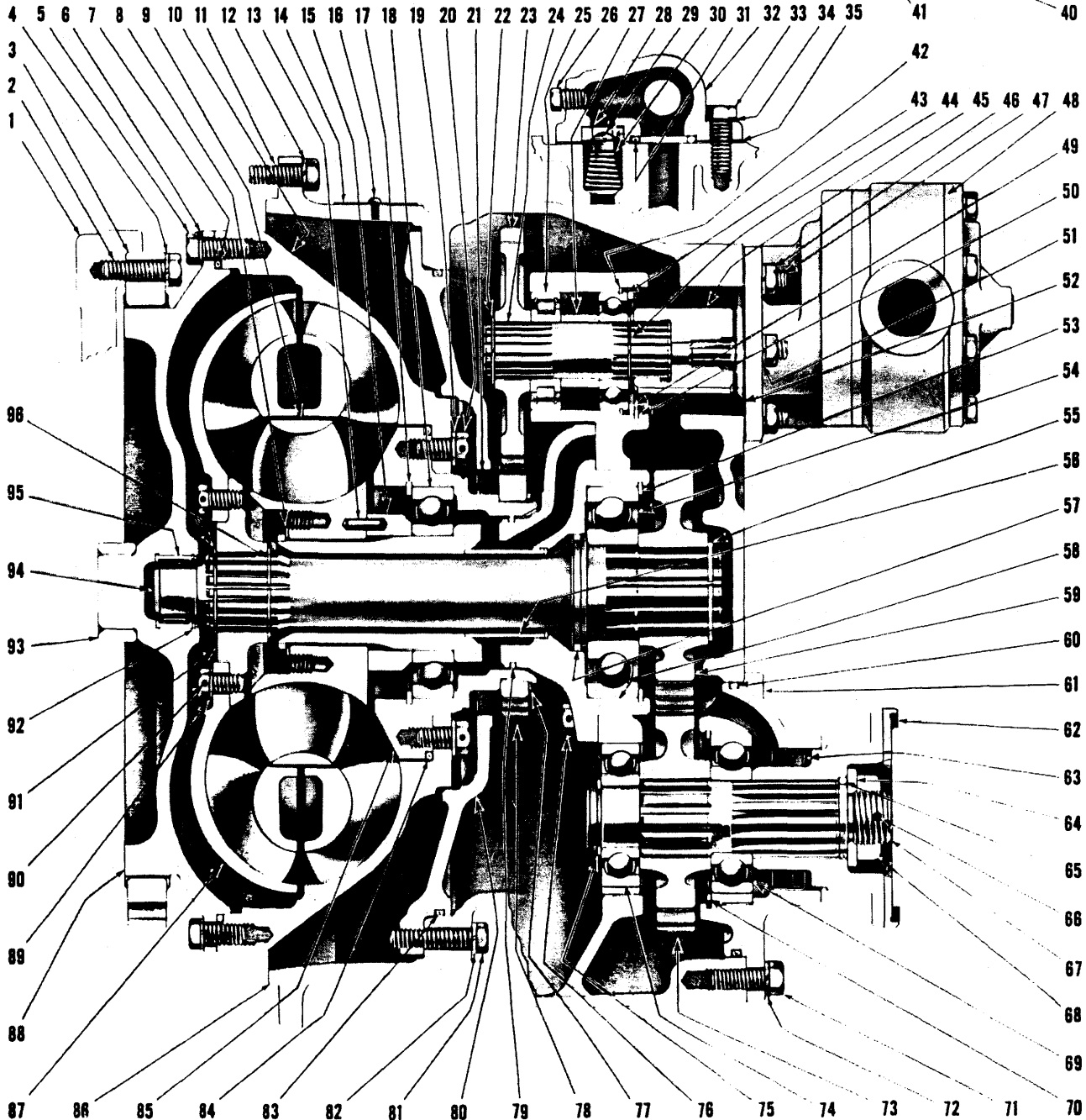
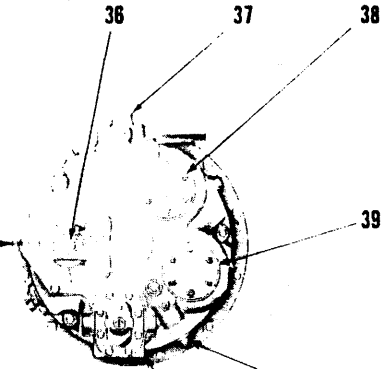
TORQUE CONVERTER ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.
86	209343	FLANGE & DEFLECTOR ASSY (Inc. Item 85)	1
87	201951	NUT, Output Shaft Flange	1
88	1F-432	COTTER, Flange Nut	1
89	1C-720	BOLT, Output Shaft Bearing Cap	4
90	4E-07	LKWSHR, Bearing Cap	4
91	221077	‡SHIM, Output Bearing Cap (.004)	—
91A	221078	‡SHIM, Output Bearing Cap (.007)	—
91B	221079	‡SHIM, Output Bearing Cap (.010)	—
92	—	PUMP, Converter Charging (See Index)	—
93	235961	GASKET, Oil Pump	1
94	743458	BEARING, Oil Pump Drive Gear Hub	1
95	207647	STUD, Oil Pump Mounting	3
96	223981	RING, Oil Pump Driven Gear Hub Retainer	1
97	860668	BEARING, Oil Pump Driven Gear Hub	1
98	1C-720	BOLT, Cover to Housing	12
99	4E-07	LKWSHR, Cover to Housing	12
100	209294	"O" RING, Housing to Cover Sealing	1
101	221080	GEAR, Oil Pump Drive (46T)	1
102	221082	GEAR, Oil Pump Driven (43T)	1
103	220987	HUB, Oil Pump Driven Gear	1
104	860668	BEARING, Oil Pump Driven Gear Hub	1
105	223981	RING, Oil Pump Driven Gear Hub Bearing Retainer	1
106	221081	HUB, Oil Pump Drive Gear	1
107	223271	BEARING, Output Shaft	1
108	209334	SHAFT, Output	1
109	223271	BEARING, Output Shaft	1
110	221075	WASHER, Main Drive Gear Nut Retainer	1
111	223947	‡RING, Main Drive Gear Bearing (.088-.090)	—
111A	223948	‡RING, Main Drive Gear Bearing (.091-.093)	—
111B	223949	‡RING, Main Drive Gear Bearing (.094-.096)	—
111C	223950	‡RING, Main Drive Gear Bearing (.097-.099)	—
112	224043	†RING, Main Drive Gear Bearing Retainer	1
113	220979	†DOWEL, Housing to Cover	1
114	207647	†STUD, Vehicle Pump Mounting	9
115	659041	†RING, Oil Pump Shaft Retainer	1
116	89F-8	†CONNECTOR, Hydraulic Tube	1
117	8D-06	†NUT, Converter Oil Pump	3
118	4E-06	†LKWSHR, Converter Oil Pump	3
119	221083	†SPACER, Oil Pump Drive Gear	1
120	800840	GEAR SET, Converter Drive & Driven (Inc. 1, 3 & 34)	1
121	801062	REACTION MEMBER & RACE ASSY (Inc. Items 10, 37, 38, 39)	1
122	—	PRESSURE REGULATOR VALVE ASSY (Inc. Items 69 thru 76 & 79 thru 82) (See Index)	—
TORQUE CONVERTER MOUNTING PARTS			
123	233092	†BOLT, Torque Converter to Flywheel	8
124	215909	†WASHER, Torque Converter to Flywheel	8
125	763428	†LKWSHR, Torque Converter to Flywheel	8
126	550099	†LOCKWIRE, Torque Converter to Flywheel	4
127	1C-620	†BOLT, Torque Converter to Flywheel Housing	12
128	4E-06	†LKWSHR, Torque Converter to Flywheel Housing	12

‡As Required
†Not Illustrated

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

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY

TS-1566-P

TORQUE CONVERTER ASSEMBLY

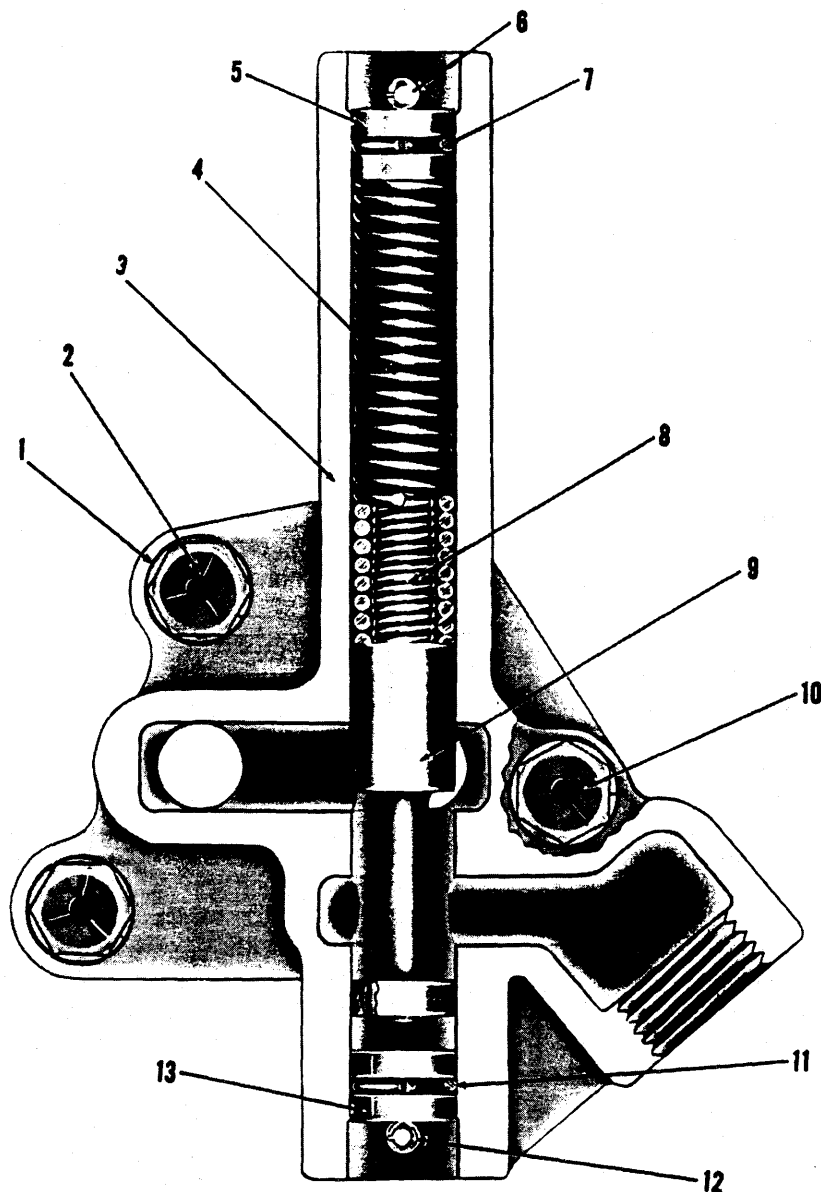
For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999
55B — 50BCO1 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281022	CONVERTER ASSY (C-272-2) (Inc. 3, 5 thru 96)	1	50	713186	RING, Washer Retaining	3
1	—	FLYWHEEL, Engine	—	51	4E-06	LKWSHR, Pump Stud	6
2	233092	BOLT, Ring Gear to Flywheel	8	52	235961	GASKET, Pump Mounting	1
3	233089	GEAR, Ring	1	53	214953	RING, Bearing Retainer	1
4	215909	WASHER, Ring Gear to Flywheel	8	54	231554	BEARING, Turbine Shaft	1
5	1C-616	BOLT, Impeller to Cover	24	55	22416	RING, Gear Snap	1
6	4E-06	LKWSHR, Impeller to Cover	24	56	—	§SLEEVE, Stator Support (Included in 58)	—
7	60K41200	"O" RING, Impeller to Cover	1	57	222079	RING, Turbine Shaft Sealing	1
8	743035	RING, Reaction Member Retaining	1	58	214932	STATOR SUPPORT ASSY (Inc. 56)	1
9	214921	*MEMBER, Reaction	1	59	214935	GEAR, Turbine Shaft	1
10	214920	IMPELLER	1	60	25K-40512	"O" RING, Bearing Retainer	1
11	1C-620	BOLT, Converter to Engine	12	61	214945	RETAINER, Bearing	1
12	4E-06	LKWSHR, Converter to Engine	12	62	214940	FLANGE, Companion	1
13	658244	PIN, Spacer to Reaction Member Lock	1	63	206864	SEAL, Oil	1
14	220725	PLATE, Name	1	64	102745	WASHER, Output Shaft	1
15	214934	SPACER, Reaction Member	1	65	25K-40112	"O" RING, Companion Flange	1
16	207873	SCREW, Name Plate Drive	2	66	1F-424	PIN, Cotter	1
17	214953	RING, Impeller Hub Bearing Retainer	1	67	214937	SHAFT, Output	1
18	214596	BEARING, Impeller Hub	1	68	201951	NUT, Output Shaft	1
19	25E-19	WASHER, Hub to Impeller Bolt	8	69	743439	BEARING, Output Shaft Rear	1
20	4C-714	BOLT, Hub to Impeller Bolt	8	70	223901	RING, Bearing Snap	1
21	214941	SEAL, Oil Baffle	1	71	1C-720	BOLT, Bearing Retainer	3
22	711298	RING, Gear Retainer	3	71A	214730	STUD, Bearing Retainer	2
23	214931	GEAR, Pump Drive (39T)	3	71B	8D-07	NUT, Bearing Retainer	2
24	237548	SHAFT, Pump Drive	3	72	4E-07	LKWSHR, Bearing Retainer	5
25	214936	BEARING, Pump Drive Shaft	3	73	214938	GEAR, Output Shaft	1
26	40K-02	PLUG, Valve Housing Pipe	2	74	235057	BEARING, Output Shaft Front	1
27	214930	SPACER, Pump Shaft	3	75	214955	RING, Bearing Snap	1
28	214946	SEAT, Safety Valve	1	76	1C-820	BOLT, Stator Support	6
29	222318	PLUNGER, Safety Valve	1	76A	7E-08	LKWSHR, Stator Support Bolt	6
30	222312	SPRING, Safety Valve	1	77	224009	RING, Gear Retaining	1
31	25K-40104	"O" RING, Valve to Converter	1	78	214951	GEAR, Impeller Hub (41-T)	1
32	—	REGULATOR VALVE ASSY (Same as Item 37)	—	79	221653	RING, Sealing	1
33	1C-616	BOLT, Valve Body	4	80	214925	BAFFLE, Oil	1
34	4E-06	LKWSHR, Valve Body	4	81	1C-628	BOLT, Oil Baffle	3
35	214949	GASKET, Valve to Converter	1	82	4E-06	LKWSHR, Oil Baffle	3
36	—	SHAFT, Output (See Item 67)	—	83	60K41200	"O" RING, Oil Baffle	1
37	—	VALVE ASSY, Pressure Regulator (See Index)	—	84	25K-40616	"O" RING, Impeller Hub	1
38	—	PAD, Pump Mounting	—	85	214923	HUB, Impeller	1
39	—	PAD, Pump Mounting	—	86	214950	HOUSING, Converter	1
40	13F-16	PLUG, Pipe	4	86A	14F-08	PLUG, Pipe	1
41	—	PUMP, Conv. Charging (See Index)	—	86B	40K-02	PLUG, Pipe	1
42	214954	RING, Bearing Snap	3	86C	13F-20	PLUG, Pipe	1
43	214956	BEARING, Shaft	3	87	222684	TURBINE	1
44	224039	RING, Bearing Retainer	3	88	214922	**COVER, Impeller	1
45	214961	SLEEVE, Pump Drive Adapter	1	89	619023	WASHER, Turbine Hub Bolt	8
46	8D-06	NUT, Pump Stud	6	90	209313	BOLT, Turbine to Hub	8
47	207647	STUD, Pump	6	91	214924	HUB, Turbine	1
48	—	PUMP, Conv. Steering (See Index)	—	92	666542	RING, Bearing Retainer	1
49	214929	WASHER, Pump Shaft	3	93	222006	SLEEVE	1
				94	214933	SHAFT, Turbine	1
				95	214988	BEARING, Impeller Cover	1
				96	659065	RING, Turbine Hub Snap	2

Not Sold Separately

*NOTE: For replacement use 801607 Kit, which consists of 1—229565 Reaction Member plus 1—229566 Reaction Member Spacer.

**NOTE: For replacement use 801524 Kit, which consists of 1—234503 Impeller Cover plus 1—222006 Impeller Cover Sleeve.



TS-1172-P

PRESSURE REGULATOR VALVE ASSEMBLY — MODEL 55A

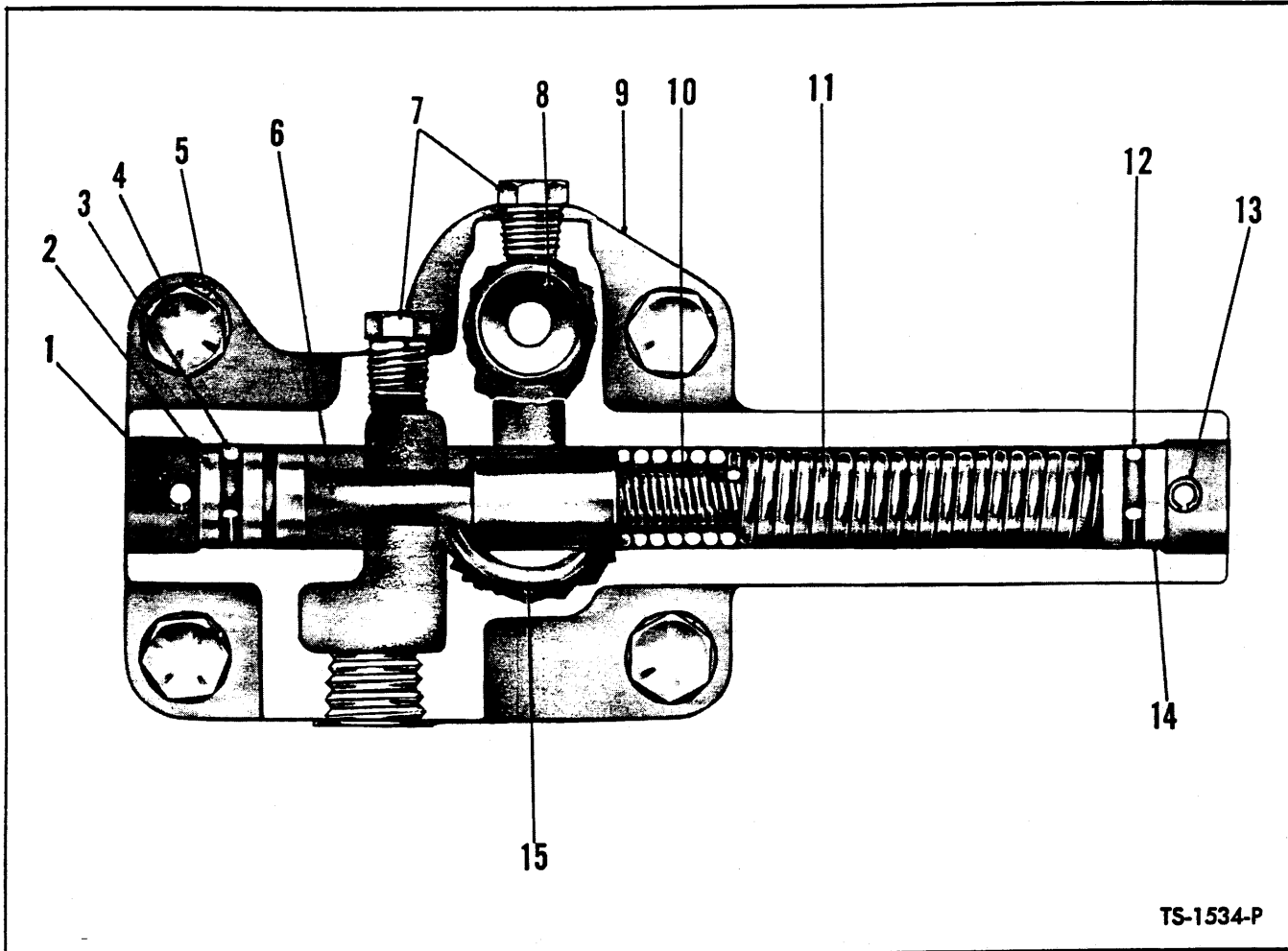
For Serial 3726 thru 3785

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	801067	VALVE ASSY, Pressure Regulator (Inc. 3 thru 9, 11 thru 15)	1	8	220982	SPRING, Valve—Inner	1
1	4E-08	LKWSHR, Valve to Converter	3	9	—	§PISTON, Valve (See A)	1
2	1C-820	BOLT, Valve to Converter—Short	2	10	1C-840	BOLT, Valve to Converter	1
3	—	§BODY, Valve (See A)	1	11	25K-30018	"O" RING, Piston Stop	1
4	220981	SPRING, Valve—Outer	1	12	660178	PIN	1
5	220983	STOP, Piston	1	13	220983	STOP, Piston	1
6	660178	PIN	1	14	220978	†GASKET, Valve to Converter	1
7	25K-30018	"O" RING, Piston Stop	1	15	58K-210	†"O" RING, Valve to Converter	1

†Not Illustrated

§Not Sold Separately

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



TS-1534-P

PRESSURE REGULATOR VALVE ASSEMBLY

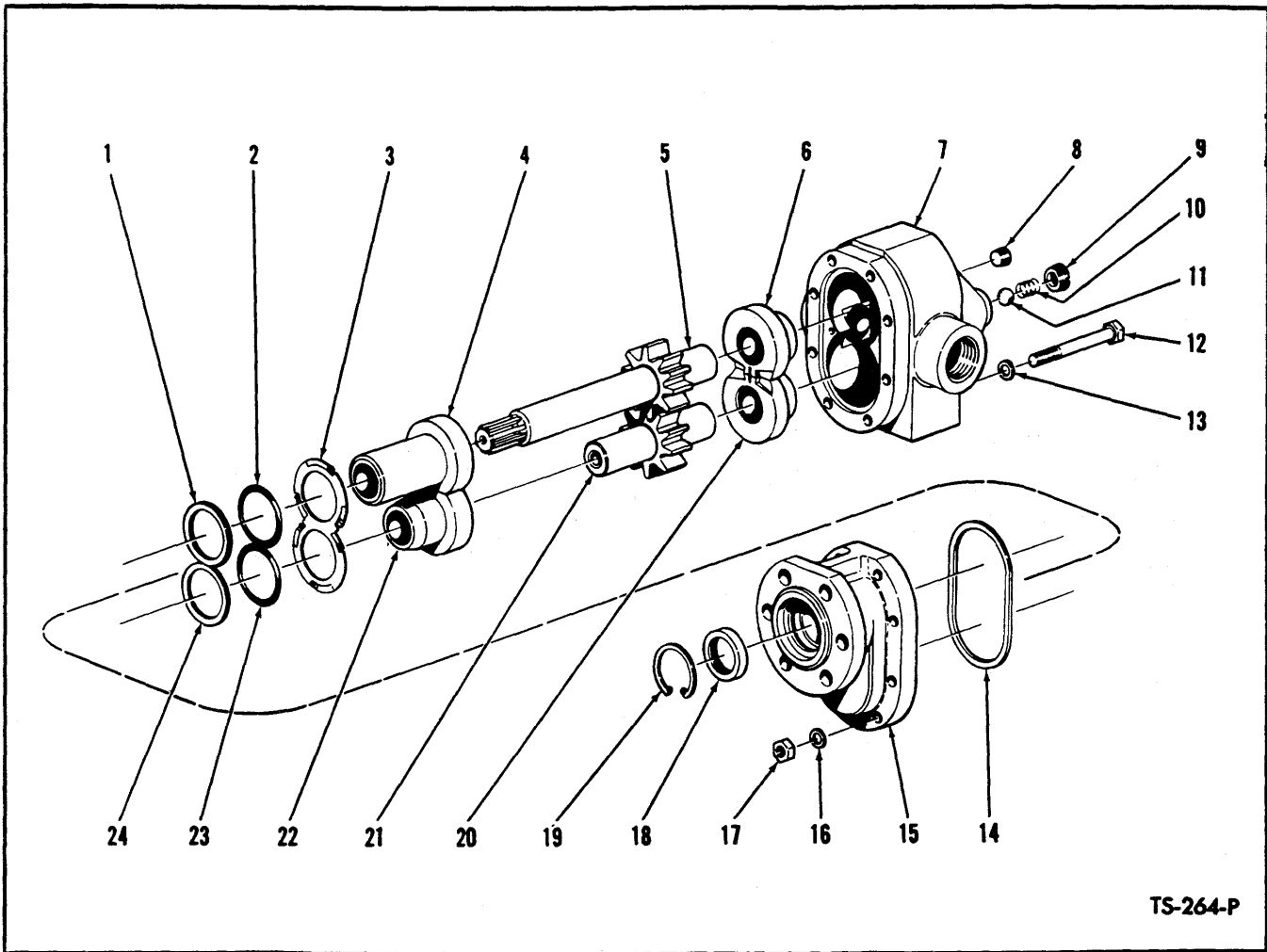
For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999
55B — 50BCO1 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.
A	214969	VALVE ASSY, Pressure Regulator (Inc. 1 thru 3, 6, 8 thru 16)	1
1	660178	PIN, Piston Stop	1
2	220983	STOP, Piston	1
3	25K-30018	"O" RING, Piston Stop	1
4	1C-616	BOLT, Valve to Converter	4
5	4E-06	LKWSHR, Valve to Converter	4
6	—	§PISTON, Valve (See Item 16)	—
7	40K-02	PLUG, Valve Housing Pipe	2
8	214946	SEAT, Safety Valve	1

Item No.	Part No.	Description	No. Req'd.
9	—	§BODY, Valve (See Item 16)	—
10	220981	SPRING, Valve—Inner	1
11	220982	SPRING, Valve—Outer	1
12	25K-30018	"O" RING, Piston Stop	1
13	660178	PIN, Piston Stop	1
14	220983	STOP, Piston	1
15	25K-40104	"O" RING, Valve to Converter	1
16	214969	†HOUSING & PISTON ASSY (Inc. 6 & 9)	1
17	214949	†GASKET, Valve to Housing	1

†Not Illustrated
§Not Sold Separately

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



TS-264-P

HYDRAULIC PUMP – CONVERTER CHARGING

For Serial: 55A – 3726 thru 3855, 1BCO134 thru 1BCO183
55B – 50BCO1 ONLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	221450	*PUMP ASSY (Inc. 1 thru 24)	1	12		§BOLT, Cover to Body	8
B	942404	REPAIR KIT, Major (Inc. 1 thru 4, 6, 10 thru 14, 16 thru 20, 22, 23, 24)	1	13		§WASHER, Cover to Body	8
C	942403	REPAIR KIT, Minor (Inc. 1, 2, 14, 18, 19, 23, 24)	1	14		§GASKET, Cover	1
1		§WASHER, Back-Up	1	15		§COVER	1
2		§"O" RING	1	16		§WASHER, Cover to Body	8
3		§SPRING, Bearing	1	17		§NUT, Cover to Body	8
4		§BEARING, Cover – Drive	1	18		§SEAL, Shaft Oil	1
5		§GEAR, Drive	1	19		§RING, Seal Retaining	1
6		§BEARING, Body – Drive	1	20		§BEARING, Body – Driven	1
7		§BODY	1	21		§GEAR, Driven	1
8	16F-02	PLUG, Seal Chamber	1	22		§BEARING, Cover – Driven	1
9		§PLUG, Seal Relief	1	23		§"O" RING	1
10		**§SPRING, Seal Relief	1	24		§WASHER, Back-Up	1
11		**§BALL, Seal Relief	1	26	8D-06	†NUT, Pump to Converter	6
				27	4E-06	†LKWSHR, Pump to Converter	6

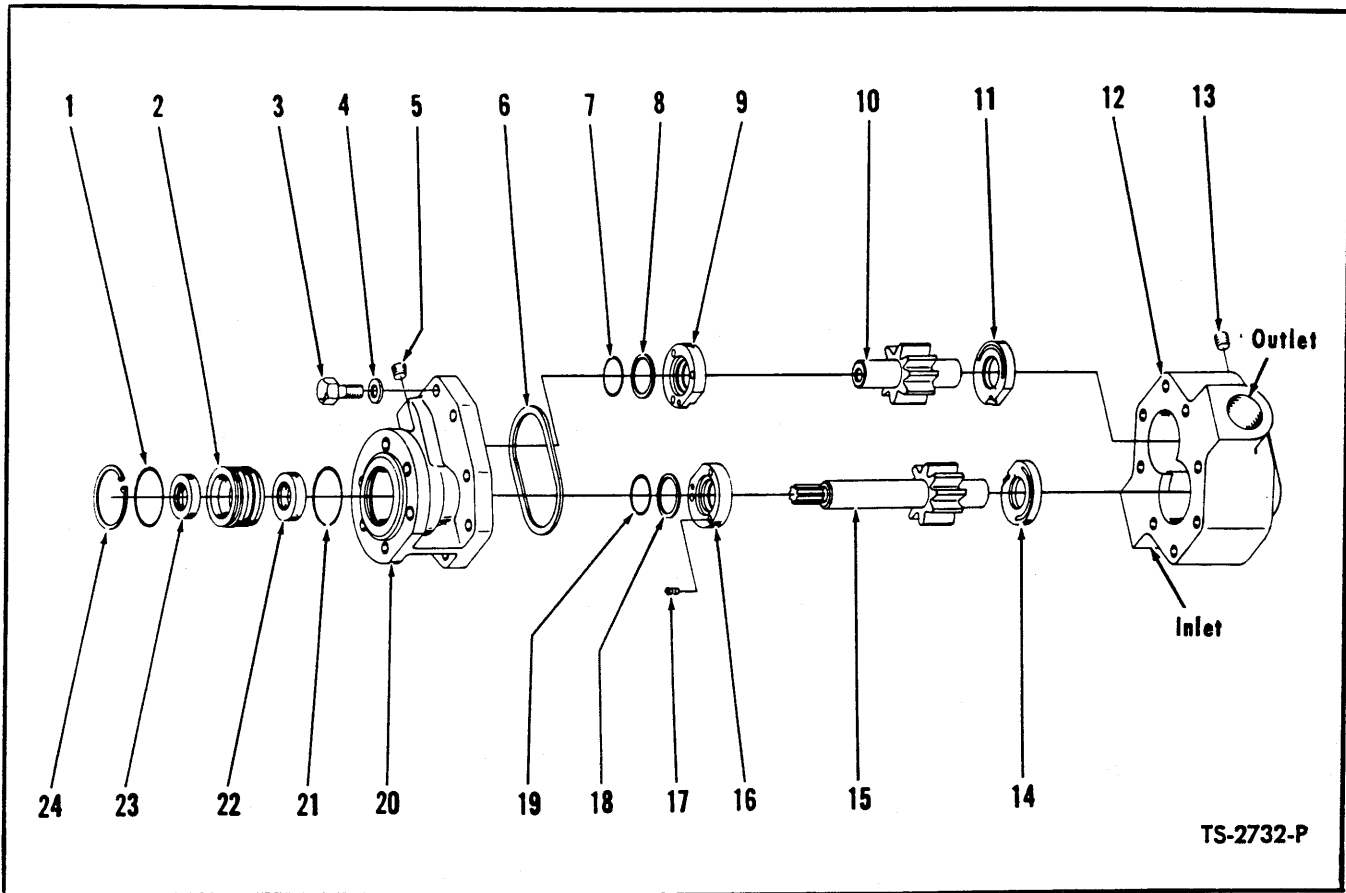
§ Not Sold Separately

† Not Illustrated

*NOTE: When complete Pump Assembly is replaced use 450229 Pump Assembly.

**NOTE: Spring and Ball to be removed when rebuilding pump.

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



TS-2732-P

HYDRAULIC PUMP — CONVERTER CHARGING

For Serial: 55A — 1BCO184 thru 1BCO268
55B — 50BCO2 thru 50BCO7

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450012	*PUMP ASSY (Inc. 1 thru 24)	1	11		§THRUST PLATE, Body	1
B	498152	REPAIR KIT, Major (Inc. 9, 11, 14, 16)	1	12		§BODY (Inc. Bushings) (See Note "A")	1
C	498151	**REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 7, 8, 17, 18, 19, 21)	1	13		§PLUG, Body	1
D	498024	GEAR SET, Drive & Driven (Inc. 10, 15)	1	14		§THRUST PLATE, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 21 thru 24)	1	15		§GEAR, Drive	1
1		§"O" RING, Retainer	1	16		§THRUST PLATE, Cover	1
2		§RETAINER, Shaft Seal	1	17		§SPRING, Cover Thrust Plate	6
3		§BOLT, Cover to Body	8	18		§WASHER, "O" Ring Back-Up	1
4		§WASHER, Cover to Body	8	19		§"O" RING, Cover Thrust Plate	1
5		§PLUG, Cover	1	20		§COVER (Inc. Bushings) (See Note "A")	1
6		§GASKET, Cover	1	21		§"O" RING, Retainer	1
7		§"O" RING, Cover Thrust Plate	1	22		§SEAL, Inner Oil	1
8		§WASHER, Back-Up	1	23		§SEAL, Outer Oil	1
9		§THRUST PLATE, Cover	1	24		§RING, Seal Retainer	1
10		§GEAR, Driven	1	25	235961	†GASKET, Pump to Converter	1
				26	8D-06	†NUT, Pump to Converter	6
				27	4E-06	†LKWSHR, Pump to Converter	6

*NOTE: When complete pump assy is replaced use 450229 Pump.

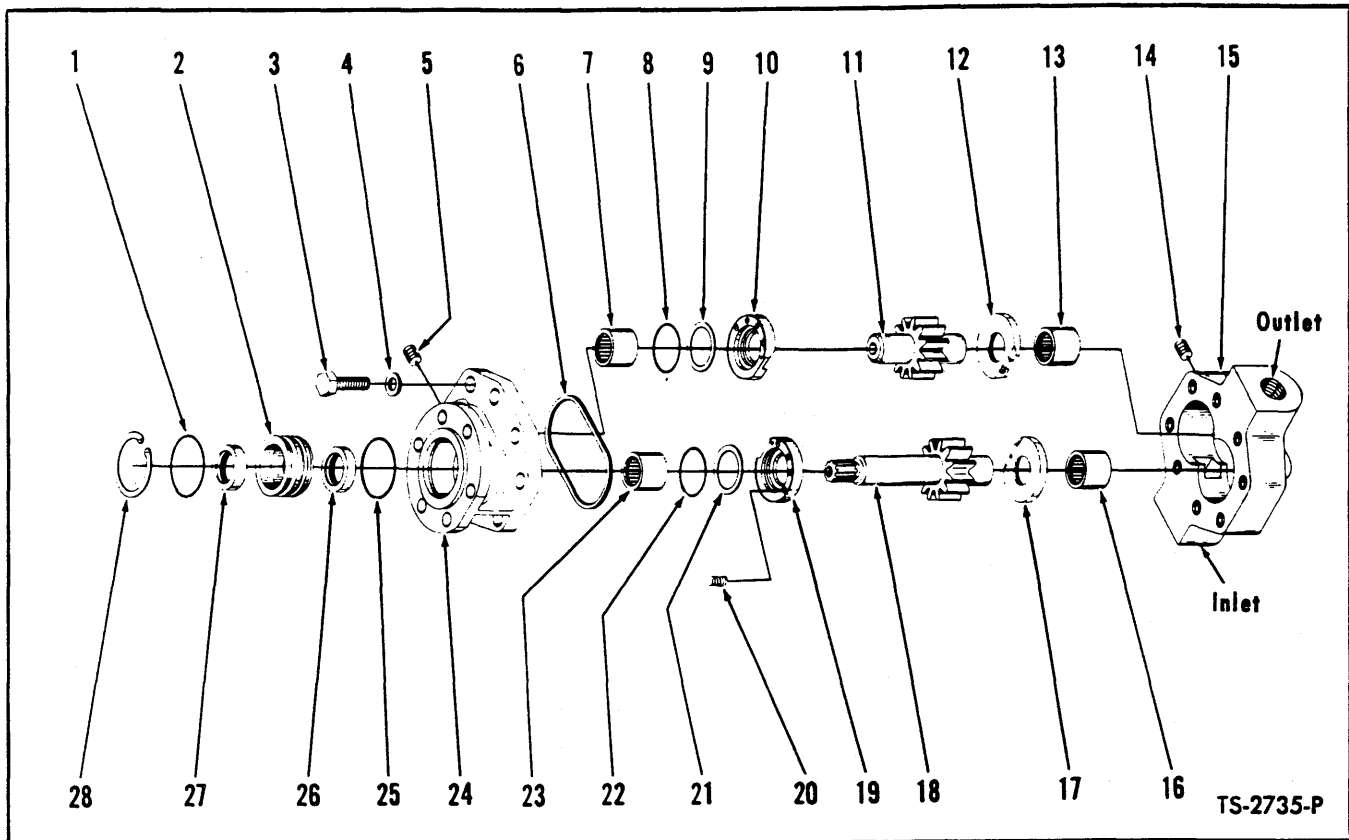
**NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

NOTE "A": Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

†Not Illustrated

§Not Sold Separately

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



HYDRAULIC PUMP – CONVERTER CHARGING

For Serial: 55A – 1BCO269 thru 1BCO282, 2BCO1 thru 2BCO999
55B – 50BCO8 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450072	***PUMP ASSY (Inc. 1 thru 28)	1	13	---	**§BEARING, Body	1
B	498128	REPAIR Kit, Major (Inc. 10, 12, 17, 19)	1	14	---	§PLUG, Body	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25)	1	15	---	**§BODY	1
D	498024	GEAR SET, Drive & Driven (Inc. 11, 18)	1	16	---	**§BEARING, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28)	1	17	---	§THRUST PLATE, Body	1
1	---	§"O" RING, Retainer	1	18	---	§GEAR, Drive	1
2	---	§RETAINER, Shaft Seal	1	19	---	§THRUST PLATE, Cover	1
3	---	§BOLT, Cover to Body	8	20	---	§SPRING, Cover Thrust Plate	6
4	---	§WASHER, Cover to Body	8	21	---	§WASHER, "O" Ring Back-Up	1
5	---	§PLUG, Cover	1	22	---	§"O" RING, Cover Thrust Plate	1
6	---	§GASKET, Cover	1	23	---	**§BEARING, Cover	1
7	---	**§BEARING, Cover – Driven	1	24	---	**§COVER	1
8	---	§"O" RING, Cover Thrust Plate	1	25	---	§"O" RING, Retainer	1
9	---	§WASHER, "O" Ring Back-Up	1	26	---	§SEAL, Inner Oil	1
10	---	§THRUST PLATE, Cover	1	27	---	§SEAL, Outer Oil	1
11	---	§GEAR, Driven	1	28	---	§RING, Seal Retaining	1
12	---	§THRUST PLATE, Body	1	29	214961	†SLEEVE, Pump Drive	1
				30	235961	†GASKET, Pump to Converter	1
				31	8D-06	†NUT, Pump to Converter	6
				32	4E-06	†LKWSHR, Pump to Converter	6

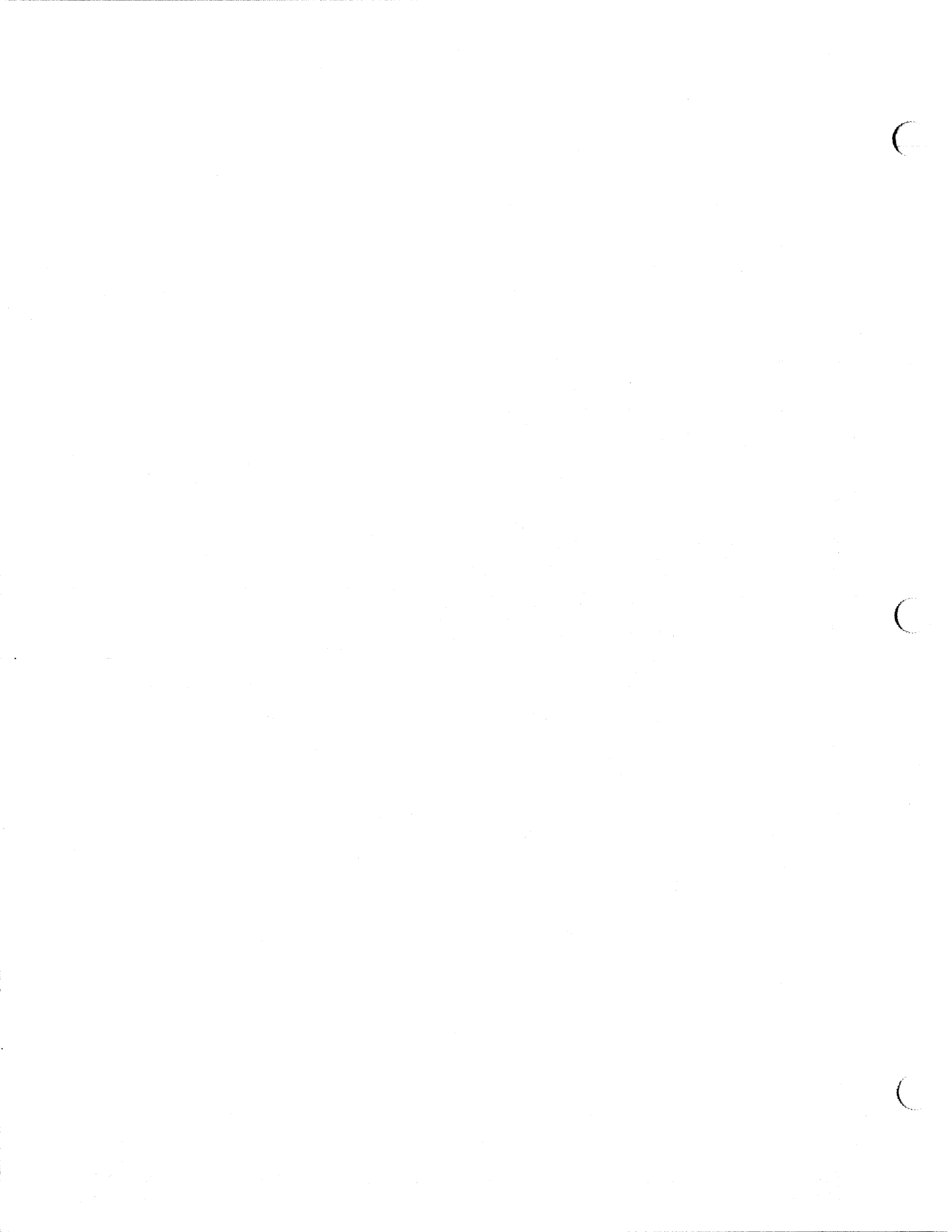
*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

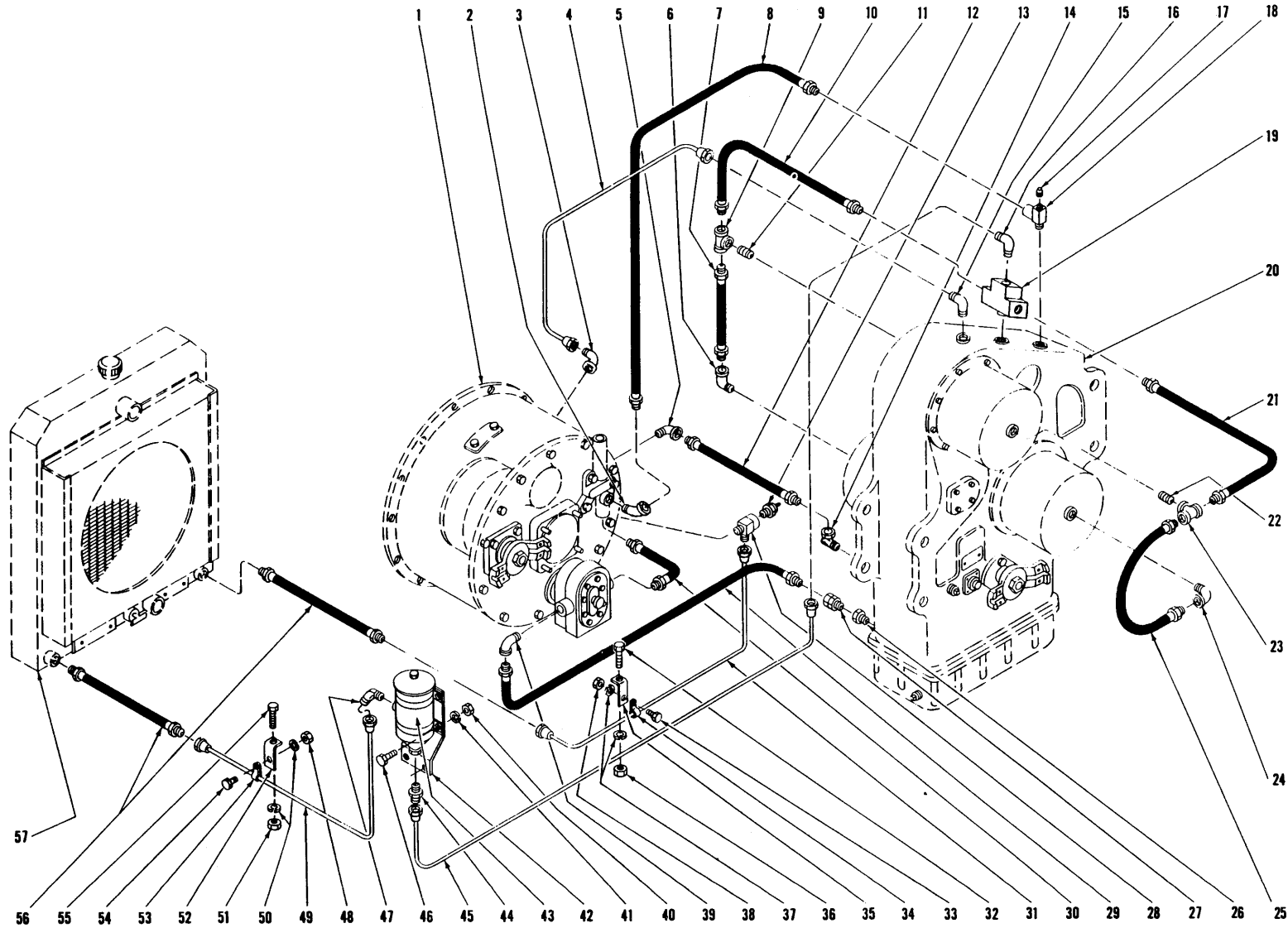
**NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

†Not Illustrated §Not Sold Separately

***NOTE: For complete replacement use 450229 Pump Assy.

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





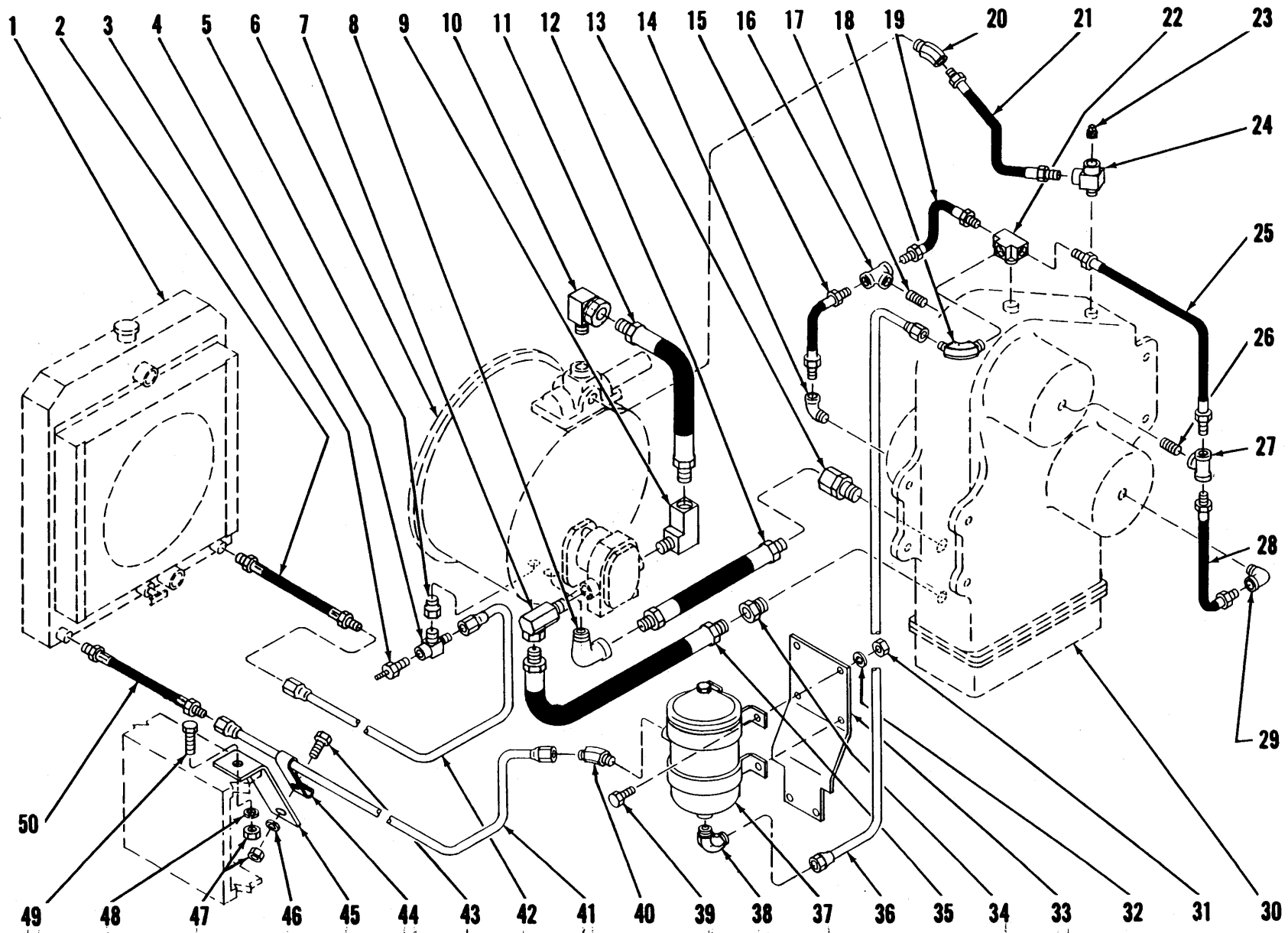
HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

TS-1791-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — MODEL 55A
For Serial 3726 thru 3785

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	CONVERTER (See Index)	—	30	221084	HOSE, Pump to Regulator Valve	1
2	25F-3	ELBOW, Hose to Regulator Valve	1	31	525521	LINE, Converter to Radiator Cooler	1
3	85F-8	ELBOW, Overflow Line to Converter	1	32	2C-620	BOLT, Bracket to Frame	1
4	514613	LINE, Trans. to Converter Overflow	1	33	2C-612	BOLT, Clip to Bracket	1
5	26F-5	ELBOW, Hose to Converter	1	34	6H-16	CLIP, Cooler Line	1
6	26F-2	ELBOW, Hose to Clutch Cover	1	35	551996	BRACKET, Cooler Line	1
7	550874	HOSE, 1st & 3rd to Reverse Clutch	1	36	2D-06	NUT, Bracket to Frame	1
8	519738	HOSE, Regulator Valve to Trans.	1	37	4E-06	LKWSHR, Bracket to Frame & Clip	2
9	18F-2	TEE, Hose to 1st & 3rd Clutches	1	38	2D-06	NUT, Clip to Bracket	1
10	550875	HOSE, Tee to Cross	1	39	26F-6	ELBOW, Pump to Transmission Hose	1
11	5K-207	NIPPLE, Tee to Clutch Cover	1	40	2D-05	NUT, Filter to Bracket	4
12	550724	HOSE, Transmission to Converter	1	41	4E-05	LKWSHR, Filter to Bracket	4
13	551323	SENDER UNIT, Conv. Temperature	1	42	525676	BRACKET, Filter Mounting	1
14	31F-5	ADAPTER UNION, Hose to Trans.	1	43	552470	FILTER, Trans. & Converter Oil	1
15	83F-8	ELBOW, Overflow Line to Trans.	1	43A	957577	CARTRIDGE KIT, Filter	1
16	83F-7	ELBOW, Cooler Line to Trans.	1	44	89F-7	CONNECTOR, Return Line to Filter	1
17	13F-04	PLUG, Tee	1	45	514614	LINE, Filter to Trans. Return	1
18	30F-1	TEE, Hose to Transmission	1	46	2C-514	BOLT, Filter to Bracket	4
19	550866	CROSS, Special—Transmission	1	47	84F-7	ELBOW, Return Line to Filter	1
20	—	TRANSMISSION (See Index)	—	48	2D-06	NUT, Clip to Bracket	1
21	550758	HOSE, Cross to Forward Clutch Tee	1	49	525520	LINE, Radiator to Filter Return	1
22	5K-207	NIPPLE, Tee to Clutch Cover	1	50	4E-06	LKWSHR, Bracket to Frame & Clip	2
23	18F-2	TEE, Forward Clutch	1	51	2D-06	NUT, Bracket to Frame	1
24	26F-2	ELBOW, Hose to Clutch Cover	1	52	551996	BRACKET, Cooler Line	1
25	550758	HOSE, Forward to 2nd & 4th Clutches	1	53	6H-16	CLIP, Cooler Line	1
26	356626	BUSHING, Transmission Reducing	1	54	2C-612	BOLT, Clip to Bracket	1
27	36F-6	ADAPTER UNION, Hose to Trans.	1	55	2C-620	BOLT, Bracket to Frame	1
28	551896	TEE, Cooler Line to Converter	1	56	552296	HOSE, Cooler Line to Radiator	2
29	552156	HOSE, Trans. to Pump—Suction	1	57	—	RADIATOR (See Index)	—

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



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

TS-1812-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

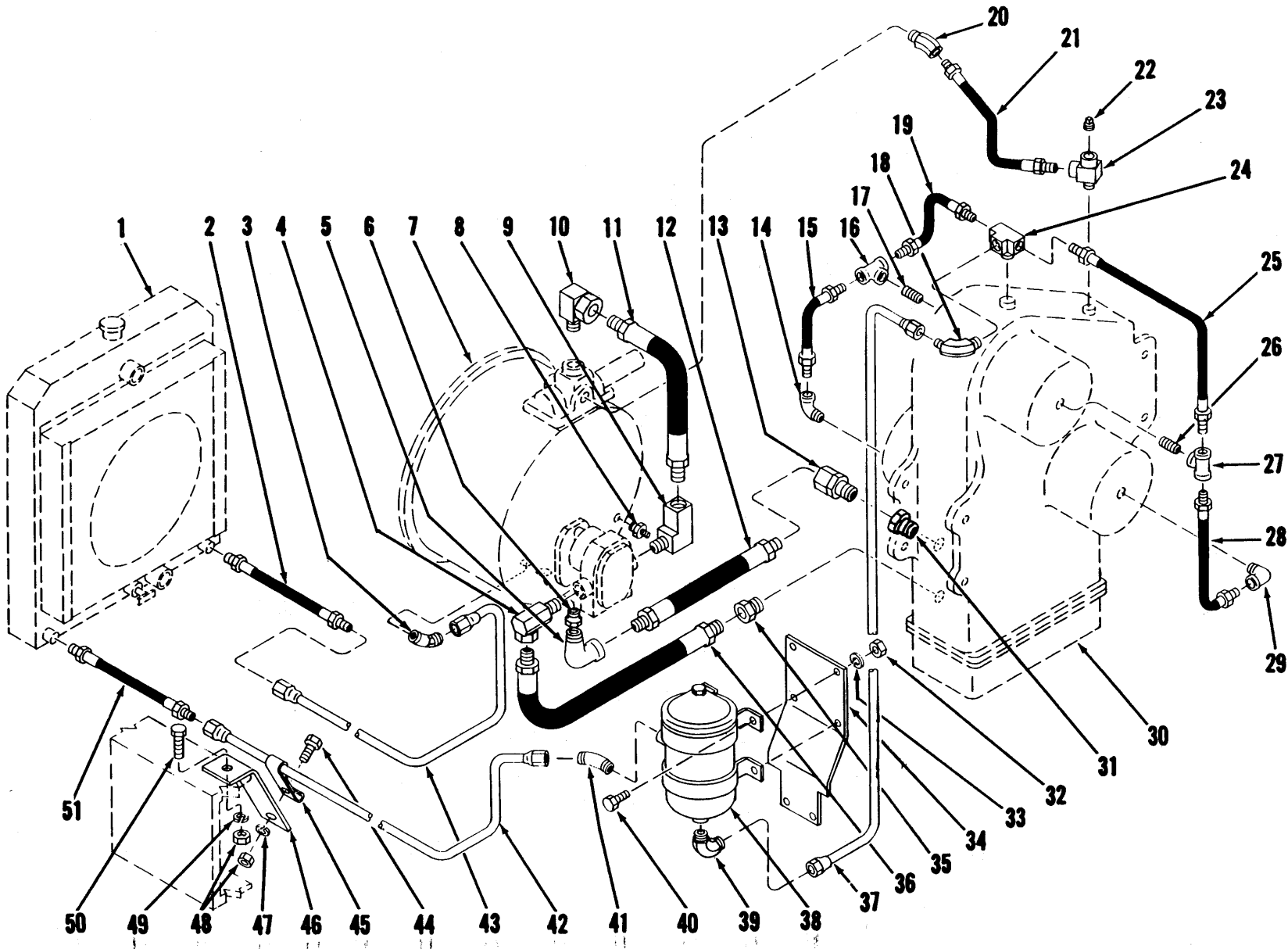
For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282

55B — 50BCO1 thru 50BCO12

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RADIATOR (See Index)	—	28	550758	HOSE, Forward to 2nd & 4th Clutch	1
2	552296	HOSE, Cooler Line to Radiator	1	29	26F-2	ELBOW, Hose to Clutch Cover	1
3	551323	SENDER UNIT, Conv. Temperature	1	30	—	TRANSMISSION (See Index)	—
4	551896	TEE, Converter	1	31	2D-05	NUT, Filter to Bracket	4
5	356617	REDUCER, Converter	1	32	4E-05	LKWSHR, Filter to Bracket	4
6	—	TORQUE CONVERTER (See Index)	—	33	525676	BRACKET, Oil Filter to Frame	1
7	31F-6	ELBOW, Hose to Pump	1	34	356626	BUSHING, Transmission Reducing	1
8	26F-5	ELBOW, Hose to Converter	1	35	520708	HOSE, Trans. to Pump—Suction	1
9	29F-4	ELBOW, Pump to Hose	1	36		LINE, Cooler Return — Filter to Trans.	
10	31F-5	ADAPTER UNION, Hose to Reg. Valve	1	36A	514614	For Serial 3786 thru 3825	1
11	616533	HOSE, Converter Pump to Reg. Valve	1	36B	528266	For Serial 55A — 3826 thru 3855, 1BCO134 thru 1BCO282, 55B — 50BCO1 thru 50BCO12	1
12	616533	HOSE, Converter to Transmission	1	37	552470	FILTER, Trans. & Conv. Oil (Inc. 37A)	1
13	36F-5	ADAPTER UNION, Hose to Trans.	1	37A	957577	†CARTRIDGE KIT, Oil Filter	1
14	31F-2	ELBOW, Hose to Clutch Cover	1	38		CONNECTOR & ELBOW, Filter to Cooler Return Line	
15	550874	HOSE, 1st & 3rd to Reverse Clutch	1	38A	89F-7	CONNECTOR, For Serial 3786 thru 3825	1
16	18F-2	TEE, 1st & 3rd Clutch	1	38B	83F-7	ELBOW, For Serial 55A — 3826 thru 3855, 1BCO134 thru 1BCO282, 55B — 50BCO1 thru 50BCO12	1
17	5K-207	NIPPLE, Tee to Clutch Cover	1	39	2C-514	BOLT, Filter to Bracket	4
18	83F-7	ELBOW, Filter Line to Transmission	1	40	84F-7	ELBOW, Filter to Radiator Return Line	1
19		HOSE, Tee to Special Cross		41	525520	LINE, Cooler Return—Radiator to Filter	1
19A	550875	For Serial 3786 thru 3825	1	42	527546	LINE, Converter to Radiator Cooler	1
19B	551301	For Serial 55A — 3826 thru 3855, 1BCO134 thru 1BCO282, 55B — 50BCO1 thru 50BCO12	1	43	2C-612	BOLT, Clip to Bracket	2
20		ELBOW, Reg. Valve to Trans. Hose		44	6H-16	CLIP, Cooler Line	2
20A	33F-3	For Serial 3786 thru 3825	1	45	551996	BRACKET, Cooler Line Clip	2
20B	81F-2	For Serial 55A — 3826 thru 3855, 1BCO134 thru 1BCO282, 55B — 50BCO1 thru 50BCO12	1	46	4E-06	LKWSHR, Clip to Bracket	2
21	527550	HOSE, Converter to Transmission	1	47	2D-06	NUT, Clip to Bracket & Frame	4
22	550866	CROSS, Transmission	1	48	4E-06	LKWSHR, Bracket to Frame	2
23	13F-04	PLUG, Tee	1	49	2C-624	BOLT, Bracket to Frame	2
24	30F-1	TEE, Hose to Transmission	1	50	552296	HOSE, Cooler Line to Radiator	1
25	550758	HOSE, Cross to Forward Clutch	1				
26	5K-207	NIPPLE, Tee to Clutch Cover	1				
27	18F-2	TEE, Clutch Cover	1				

†Not Illustrated

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



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

TS-2042-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

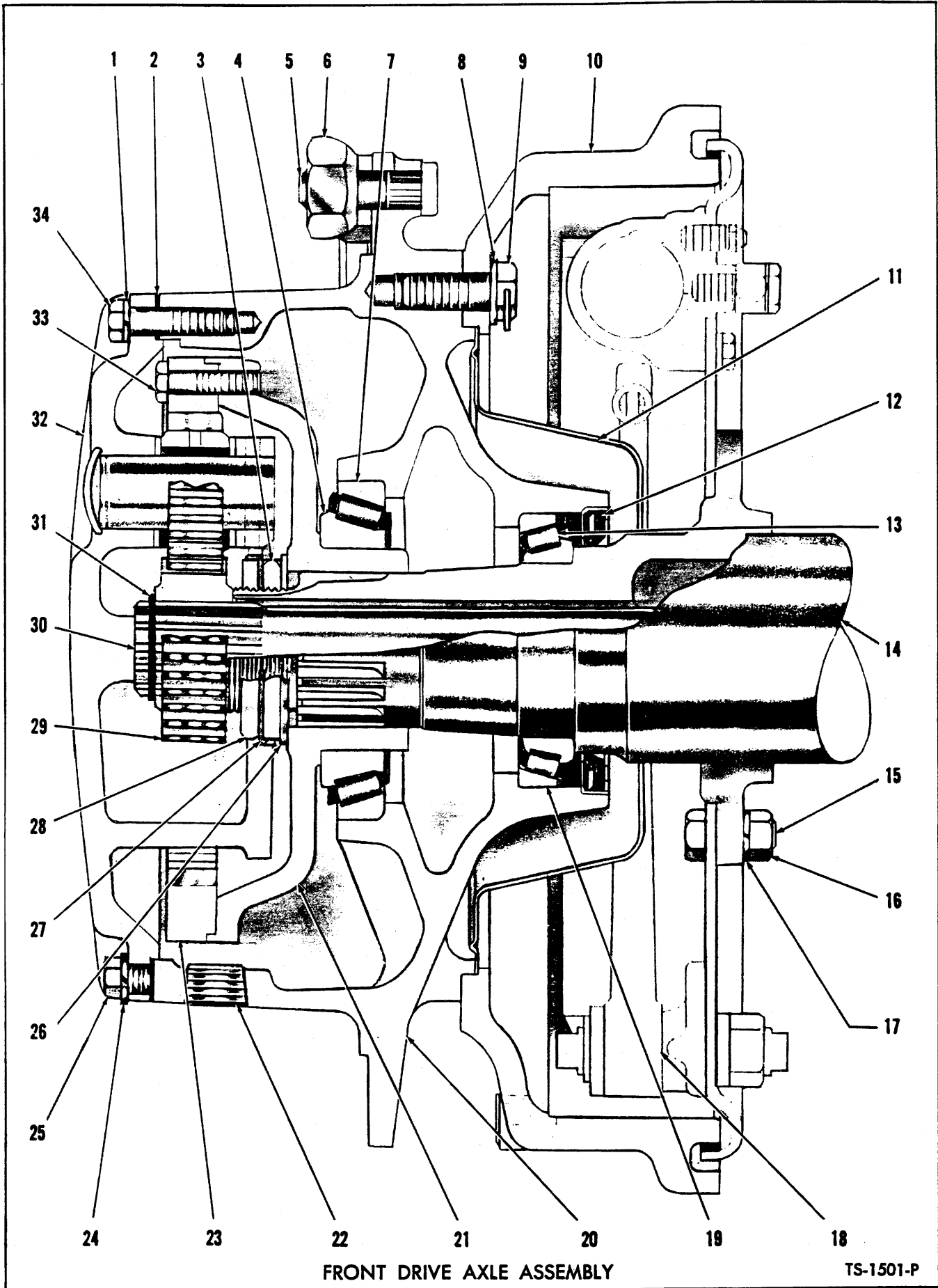
For Serial: 55A — 2BCO1 thru 2BCO999

55B — 50BCO13 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR (See Index)	—	27	18F-2	TEE, Clutch Cover	1
2	531523	HOSE, Cooler Line to Radiator	1	28	550758	HOSE, Forward to 2nd & 4th Clutch	1
3	84F-8	ELBOW, Converter to Cooler Line	1	29	26F-2	ELBOW, Hose to Clutch Cover	1
4	31F-6	ELBOW, Hose to Pump	1	30	-----	TRANSMISSION (See Index)	—
5	26F-5	ELBOW, Hose to Converter	1	31	356621	REDUCER, Transmission to Adapter Union	1
6	356621	REDUCER, Converter	1	32	2D-05	NUT, Filter to Bracket	4
7	-----	TORQUE CONVERTER (See Index)	—	33	4E-05	LKWSHR, Filter to Bracket	4
8	551323	SENDER UNIT, Conv. Temperature	1	34	525676	BRACKET, Oil Filter to Frame	1
9	29F-4	ELBOW, Pump to Hose	1	35	356626	BUSHING, Transmission Reducing	1
10	31F-5	ADAPTER UNION, Hose to Reg. Valve	1	36	520708	HOSE, Trans. to Pump—Suction	1
11	616533	HOSE, Connector Pump to Reg. Valve	1	37	528266	LINE, Cooler Return—Filter to Trans...	1
12	616533	HOSE, Converter to Transmission	1	38	552470	FILTER, Trans. & Conv. Oil (Inc. 38A)	1
13	36F-5	ADAPTER UNION, Hose to Transmission	1	38A	957577	†CARTRIDGE KIT, Oil Filter	1
14	26F-2	ELBOW, Hose to Clutch Cover	1	39	83F-7	ELBOW, Filter to Cooler Return Line	1
15	550874	HOSE, 1st & 3rd to Reverse Clutch	1	40	2C-514	BOLT, Filter to Bracket	4
16	18F-2	TEE, 1st & 3rd Clutch	1	41	531400	ELBOW, Filter to Radiator Return Line	1
17	5K-207	NIPPLE, Tee to Clutch Cover	1	42	531525	LINE, Cooler Return—Radiator to Filter	1
18	83F-7	ELBOW, Filter Line to Transmission	1	43	531524	LINE, Converter to Radiator Cooler...	1
19	551301	HOSE, Tee to Special Cross	1	44	2C-612	BOLT, Clip to Bracket	2
20	81F-2	ELBOW, Reg. Valve to Transmission Hose	1	45	6H-18	CLIP, Cooler Line	2
21	527550	HOSE, Converter to Transmission	1	46	551996	BRACKET, Cooler Line Clip	2
22	13F-04	PLUG, Tee	1	47	4E-06	LKWSHR, Clip to Bracket	2
23	30F-1	TEE, Hose to Transmission	1	48	2D-06	NUT, Clip to Bracket & Frame	4
24	550866	CROSS, Transmission	1	49	4E-06	LKWSHR, Bracket to Frame	2
25	550758	HOSE, Cross to Forward Clutch	1	50	2C-620	BOLT, Bracket to Frame	2
26	5K-207	NIPPLE, Tee to Clutch Cover	1	51	531523	HOSE, Cooler Line to Radiator	1

†Not Illustrated

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



FRONT DRIVE AXLE ASSEMBLY

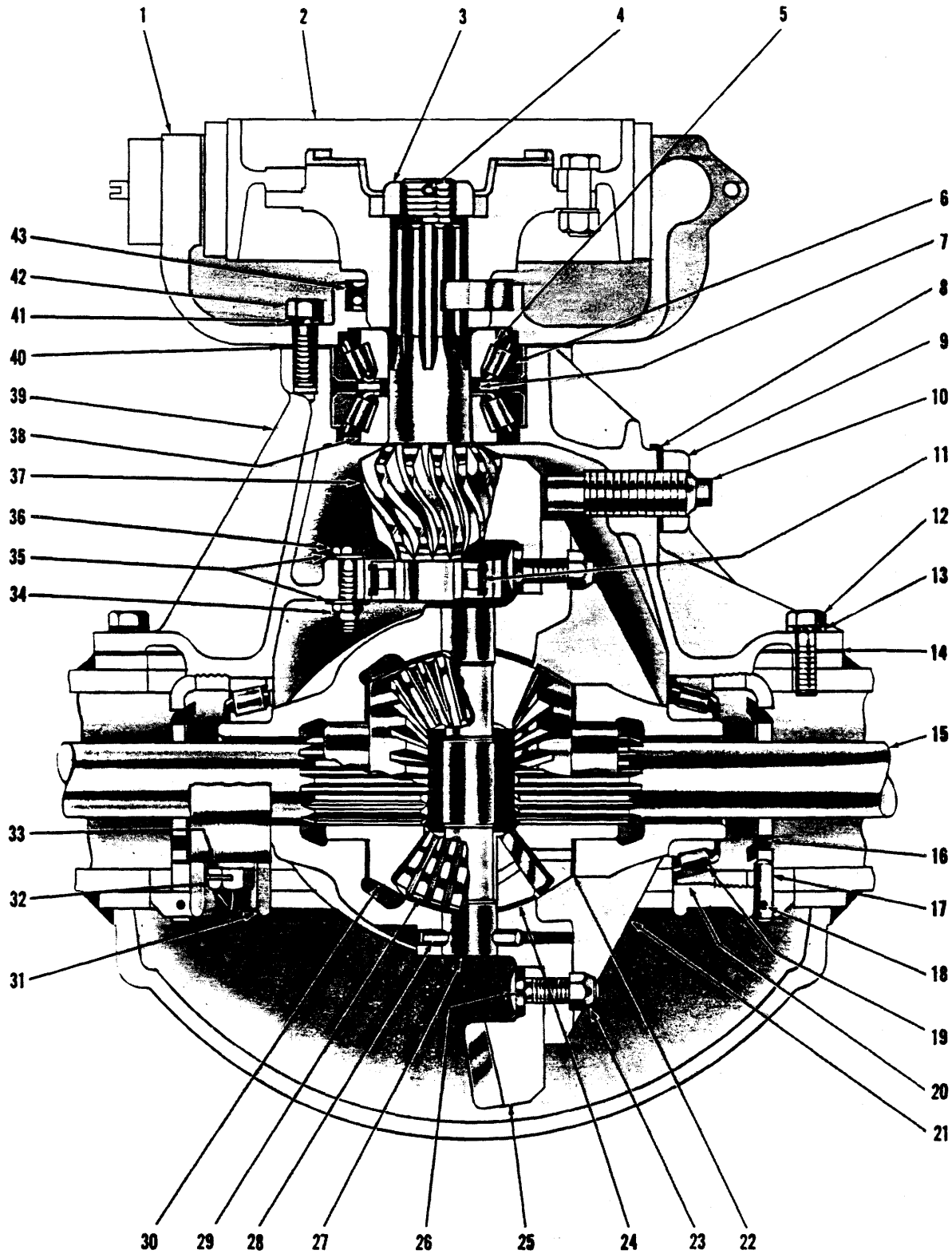
TS-1501-P

AXLE ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.
A	130973	AXLE ASSY (Inc. B, 1 thru 37)	1
B	-----	†DIFFERENTIAL & CARRIER ASSY (See Index)	—
1	112278	LKWSHR, Planet Spider	20
2	-----	Use PERMATEX #2	—
3	102313	NUT, Housing Tube	2
4	658974	CONE, Hub Bearing, Outer	2
5	109640	STUD, Wheel	20
6	109641	NUT, Wheel	20
7	658990	CUP, Hub Bearing Outer	2
8	104412	WASHER, Brake Drum	12
9	17C1024	BOLT, Brake Drum	12
10	106254	DRUM, Brake	2
11	109055	OIL SLINGER	2
12	111726	SEAL, Inner Hub Oil	2
13	742257	CONE, Hub Bearing Inner	2
14	105449	HOUSING, Axle	1
15	101092	BOLT, Brake Mounting	16
16	2D-08	NUT, Brake Mounting	16
17	4E-08	LKWSHR, Brake Mounting	16
18	-----	BRAKE ASSY (See Index)	—
19	742258	CUP, Hub Bearing Inner	2
20	109639	HUB ASSY (Inc. 5, 7, 19)	2
21	-----	§ HUB, Internal Gear — See 37	2
22	11F-12	PLUG, Filler & Drain	4
23	-----	§ GEAR, Internal — See 37	2
24	4E-07	LKWSHR, Planet Puller Hole	4
25	1C-707	BOLT, Planet Puller Hole	4
26	106572	WASHER, Housing Tube Thrust	2
27	102314	LOCK, Housing Tube Nut	2
28	102313	NUT, Housing Tube	2
29	107390	GEAR, Sun	2
30	109642	SHAFT, Axle	2
31	224031	RING, Sun Gear Snap	2
32	-----	PLANET SPIDER ASSY (See Index)	—
33	111842	BOLT, Internal Gear	20
34	100638	BOLT, Planet Spider	20
35	107608	†CLIP, Brake Inspection	2
36	106656	†BREATHER, Axle Housing	1
37	114591	†INTERNAL GEAR & HUB ASSY (One Piece)	2

†Not Illustrated
§Not Sold Separately

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



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

TS-1841-P

DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.
A	815548	DIFF. & CARRIER ASSY (Inc. 1, 3 thru 14, 16 thru 43)	1
1	102609	BRACKET, Bearing Retainer	1
2	-----	PARKING BRAKE (See Index)	—
3	100675	NUT, Pinion Shaft	1
4	1F-424	COTTER, Pinion Shaft	1
5	-----	§CONE, Pinion Bearing (See 47)	1
6	-----	§CUP, Pinion Bearing (See 47)	1
7	815082	SPACER & SHIM KIT, Pinion Bearing	1
8	100954	LOCK, Thrust Screw	1
9	8D-14	NUT, Thrust Screw	1
10	123800	SCREW, Thrust	1
11	111437	*BEARING, Pinion Inner	1
12	1C-720	BOLT, Carrier to Axle Housing — 1¼"	10
12A	1C-724	†BOLT, Carrier to Axle Housing—1½"	2
13	4E-07	LKWSHR, Carrier to Axle Housing	12
14	-----	Use PERMATEX #2	—
15	-----	AXLE SHAFT (See Front Axle Assy, Index)	—
16	123746	NUT, Differential Adjusting	2
17	101411	PIN, Differential Adjusting Nut Lock	2
18	1F-428	COTTER, Lock Pin	2
19	648334	CONE, Differential Bearing	2
20	667279	CUP, Differential Bearing	2
21	101396	CASE, Differential	1
22	101400	WASHER, Side Gear Thrust	2

Item No.	Part No.	Description	No. Req'd.
23	109389	NUT, Ring Gear Bolt	12
24	101399	WASHER, Pinion Thrust	12
25	-----	*§RING GEAR (See 46)	—
26	101424	BOLT, Ring Gear	12
27	101401	PIN, Side Pinion	1
28	666364	PIN, Side Pinion Lock	1
29	101397	PINION, Differential Side	2
30	101398	GEAR, Differential Side	2
31	-----	§CAP, Differential Carrier (See 39)	—
32	3C-1040	BOLT, Differential Carrier Cap	4
33	104549	WASHER, Differential Carrier Cap	4
34	45D-05	*NUT, Bearing Retainer	1
35	102350	*WASHER, Bearing Retainer	2
36	2C-522	*BOLT, Bearing Retainer	1
37	-----	*§PINION (See 46)	—
38	-----	§CONE, Pinion Bearing (See 47)	1
39	815563	CARRIER & CAP ASSY, Differential (Inc. 31, 32, 33)	1
40	127684	GASKET, Pinion Bearing Retainer	1
41	3E-07	LKWSHR, Pinion Bearing Retainer	6
42	104289	Bolt, Pinion Bearing Retainer	6
43	111646	SEAL, Pinion Oil	1
44	102567	†DIFFERENTIAL ASSY (Inc. 21 thru 30, 37)	1
45	101395	†DIFF. BODY SUB ASSY (Inc. 21, 22, 24, 27 thru 30)	1
46	111651	*†GEAR & PINION SET (Inc. 25, 37)	1
47	111735	†BRG. ASSY, Pinion (Inc. 5, 6, 38)	1

*NOTE: When installing 111651 Gear and Pinion Set on machine serial numbers listed below, one (1) 111437 Inner Pinion Bearing must also be used. When new 111437 Bearing is installed, items 34, 35 and 36 are no longer required.

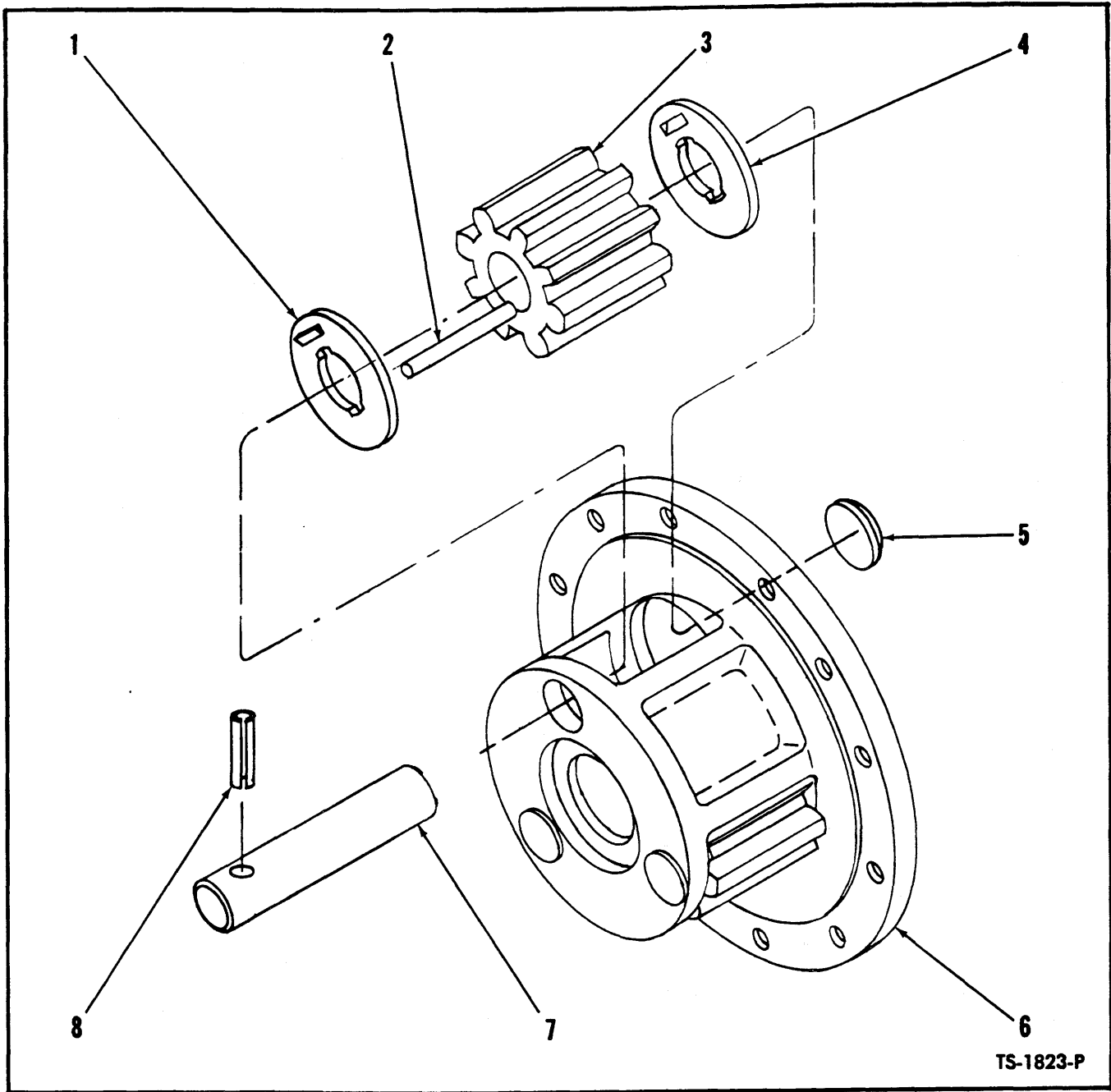
55A — 3726 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO140

55B — 50BCO1 thru 50BCO34

†Not Illustrated

§Not Sold Separately

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



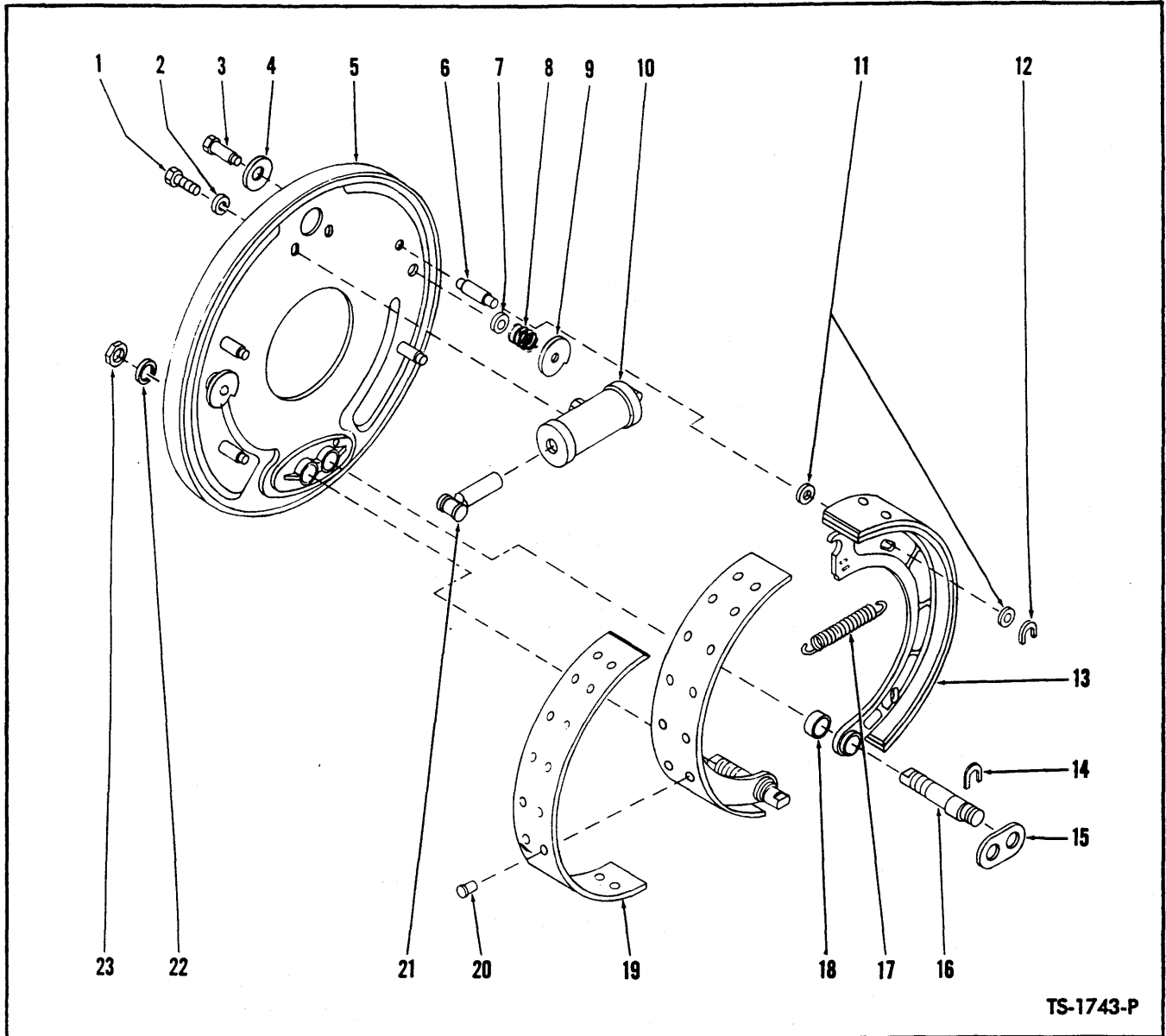
PLANET SPIDER ASSEMBLY

4 Planet Spiders Used on Machine – Quantity Indicated is for 1 Planet Spider

Item No.	Part No.	Description	No. Req'd.
A	944280	PLANET SPIDER ASSY (Inc. 1 thru 8)	1
1	106569	WASHER, Pinion Thrust	3
2	106570	ROLLER, Pinion Needle	102
3	120192	PINION, Planet	3
4	106569	WASHER, Pinion Thrust	3
5	12F-108	PLUG, Planet Expansion	3
6	944279	SPIDER, Planet (Inc. 6A)	1
6A	111805	†VALVE, Relief	1
7	106917	SHAFT, Pinion	3
8	104994	PIN, Pinion Shaft Lock	3

†Not Illustrated

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



TS-1743-P

BRAKE ASSEMBLY – FRONT *

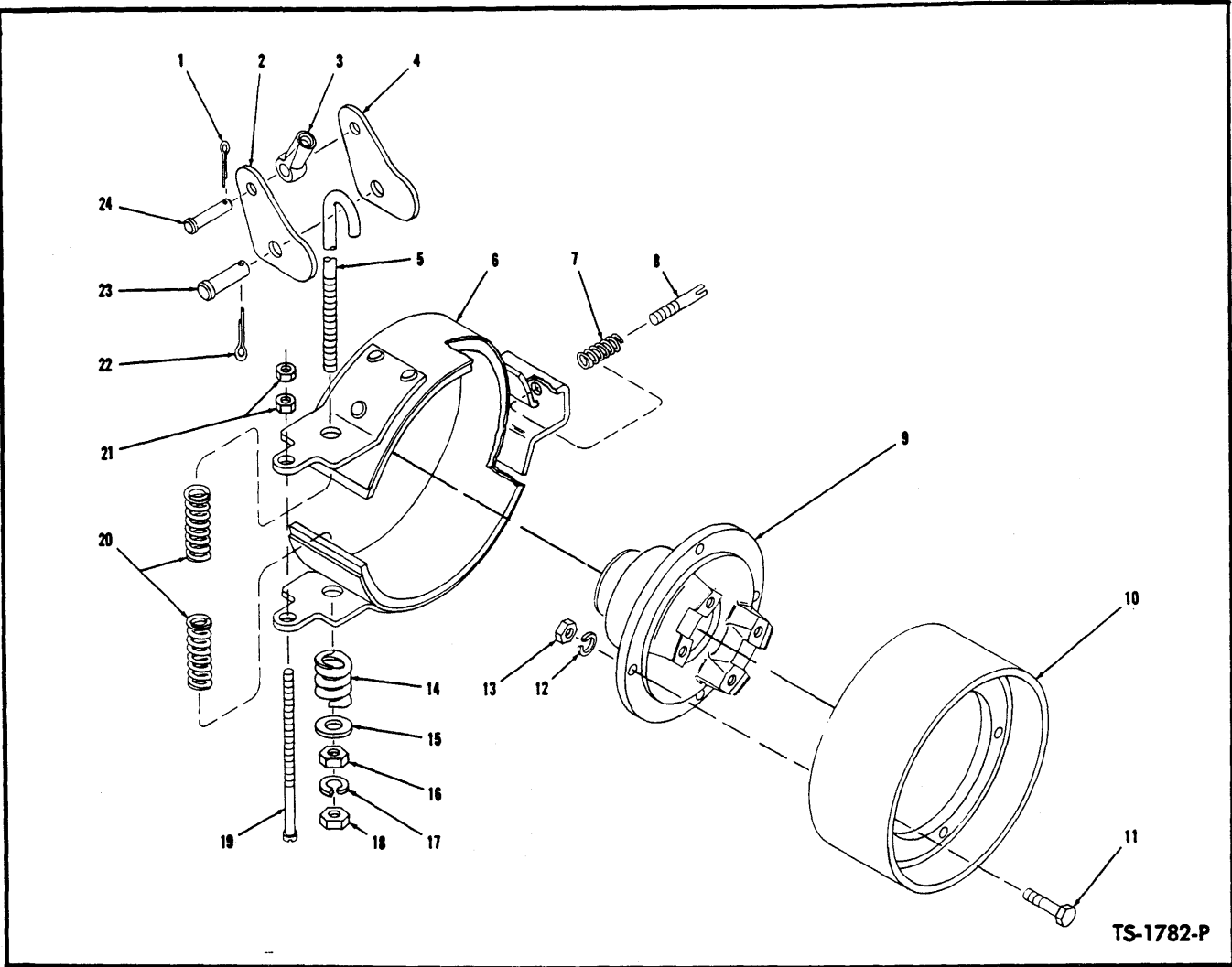
2 Brakes Used on Axle – Quantity Indicated is for 1 Brake

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	110932	BRAKE ASSY (Inc. 1 thru 23)	1	12	100878	"C" WASHER, Guide Pin	4
1	1C-610	BOLT, Cylinder to Brake Disc	2	13	118254	SHOE ASSY, Brake (Inc. 18, 19, 20)	2
2	4E-06	LKWSHR, Cylinder to Brake Disc	2	14	101332	"C" WASHER, Anchor Pin	2
3	114169	PIN, Cam (Inc. 4)	2	15	106970	STRUT, Anchor Pin	1
4	100867	WASHER, Cam Pin	2	16	106969	PIN, Anchor	2
5	106586	DISC ASSY, Brake (Inc. 3, 4, 6 thru 9)	1	17	106216	SPRING, Brake Shoe Return	1
6	106373	PIN, Guide	4	18	201966	BUSHING, Brake Shoe	2
7	851771	WASHER, Cam Spring	2	19	944217	LINING KIT, Brake Shoe (Inc. 20)	2
8	943859	KIT, Cam Spring (Inc. 7)	2	20	3H-1216	RIVET, Lining to Shoe (See Note "A")	36
9	100864	CAM, Brake Shoe Adjusting	2	20A	106184	RIVET, Lining to Shoe (See Note "B")	36
10	107014	CYLINDER, Wheel (Inc. 21)	1	21	958553	LINK, Wheel Cylinder Connector	2
10A	940130	REPAIR KIT, Wheel Cylinder	1	22	4E-12	LKWSHR, Anchor Pin	2
11	102322	WASHER, Guide Pin	8	23	2D-12	NUT, Anchor Pin	2

*Ref. SG-681

NOTE "A" – For use with 944217 kit and shoes with 13/64" holes.

NOTE "B" – For use with 108147 linings and shoes with 5/32" holes.

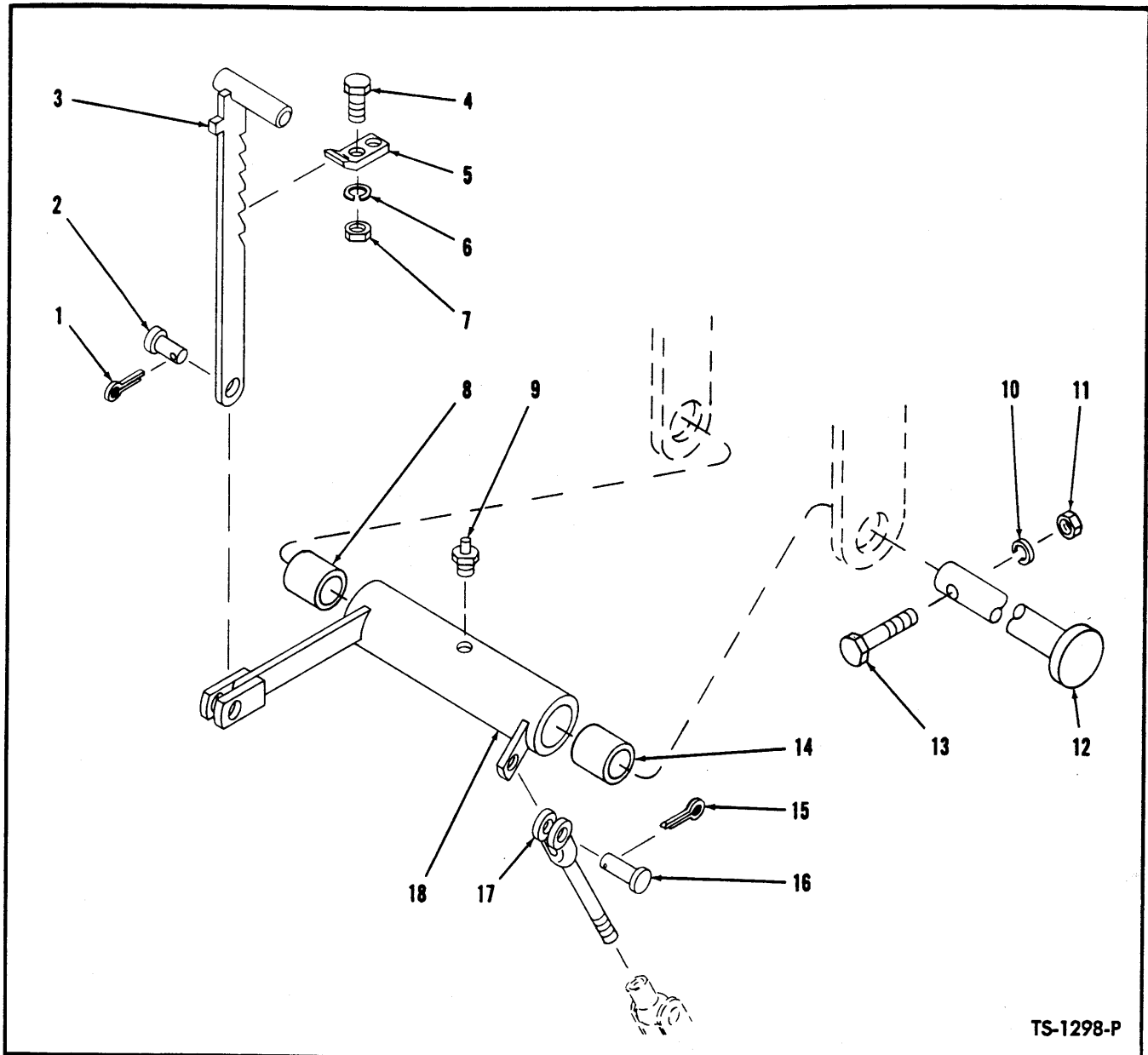


TS-1782-P

PARKING BRAKE ASSEMBLY *

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1F-312	COTTER, Draw Rod Clevis Pin	1	12	4E-07	LKWSHR, Drum to Flange	4
2	202834	LEVER, Brake Cam	1	13	1D-07	NUT, Drum to Flange	4
3	201583	END, Adjusting Bolt	1	14	202673	SPRING, Compression	1
4	202834	LEVER, Brake Cam	1	15	25E-21	WASHER, Compression Spring	1
5	202739	BOLT, Brake Adjusting	1	16	7D-07	NUT, Adjusting Bolt	1
6	200756	BRAKE BAND & LINING ASSY (Inc. 6A)	1	17	4E-07	LKWSHR, Adjusting Bolt	1
6A	943868	LINING & RIVET KIT (Inc. 6B)	1	18	7D-07	NUT, Adjusting Bolt	1
6B	3H-909	RIVET, Brake Band Lining	18	19	202349	SCREW, Locating	1
7	201537	SPRING, Brake Anchor Clip	1	20	201124	SPRING, Brake Release	2
8	201582	SCREW, Brake Anchor Clip Adjusting	1	21	1D-04	NUT, Locating Screw	2
9	122983	FLANGE, Companion	1	22	1F-416	COTTER, Cam Lever Clevis Pin	1
10	109637	DRUM, Brake	1	23	202129	PIN, Cam Lever Clevis	1
11	1C-720	BOLT, Drum to Flange	4	24	2F-06106	PIN, Draw Rod Clevis	1

*Ref. SG-681

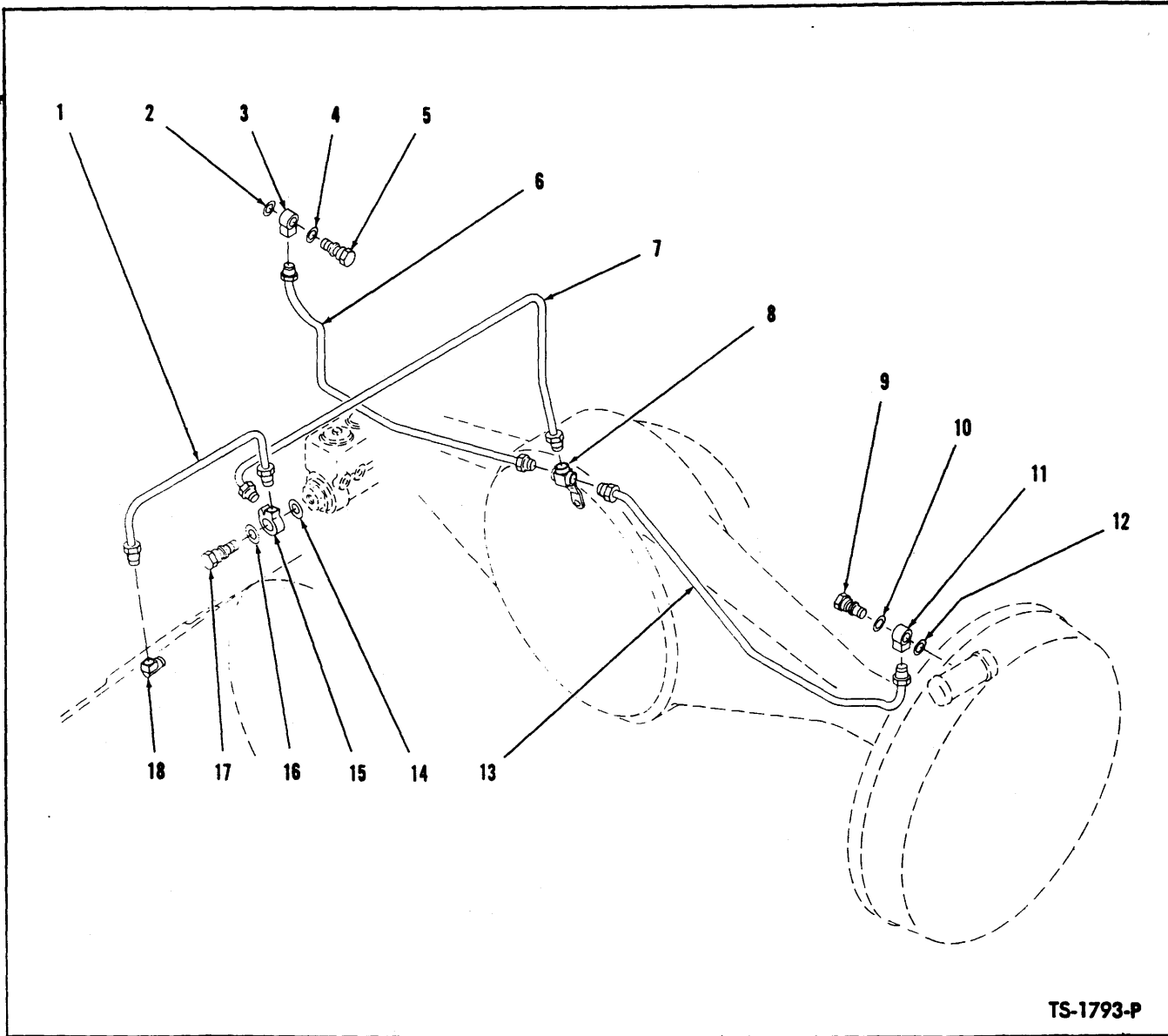


TS-1298-P

PARKING BRAKE CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	Req'd. No.
1	1F-312	COTTER, Clevis Pin	1	10	4E-06	LKWSHR, Bell Crank Mtg. Pin Bolt.....	1
2	4F-06106	PIN, Clevis	1	11	2D-06	NUT, Bell Crank Mounting Pin Bolt	1
3	526169	HANDLE, Parking Brake	1	12	526176	PIN, Bell Crank Mounting	1
4	2C-616	BOLT, Catch to Floorboard	2	13	2C-640	BOLT, Bell Crank Mounting Pin	1
5	512709	CATCH, Parking Brake Handle	1	14	526767	BUSHING, Bell Crank	1
6	4E-06	LKWSHR, Catch to Floorboard	2	15	1F-312	COTTER, Clevis Pin	1
7	2D-06	NUT, Catch to Floorboard	2	16	4F-06106	PIN, Clevis	1
8	526767	BUSHING, Bell Crank	1	17	526177	ROD, Brake	1
9	10H-25	FITTING, Bell Crank	1	18	526172	BELL CRANK	1

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



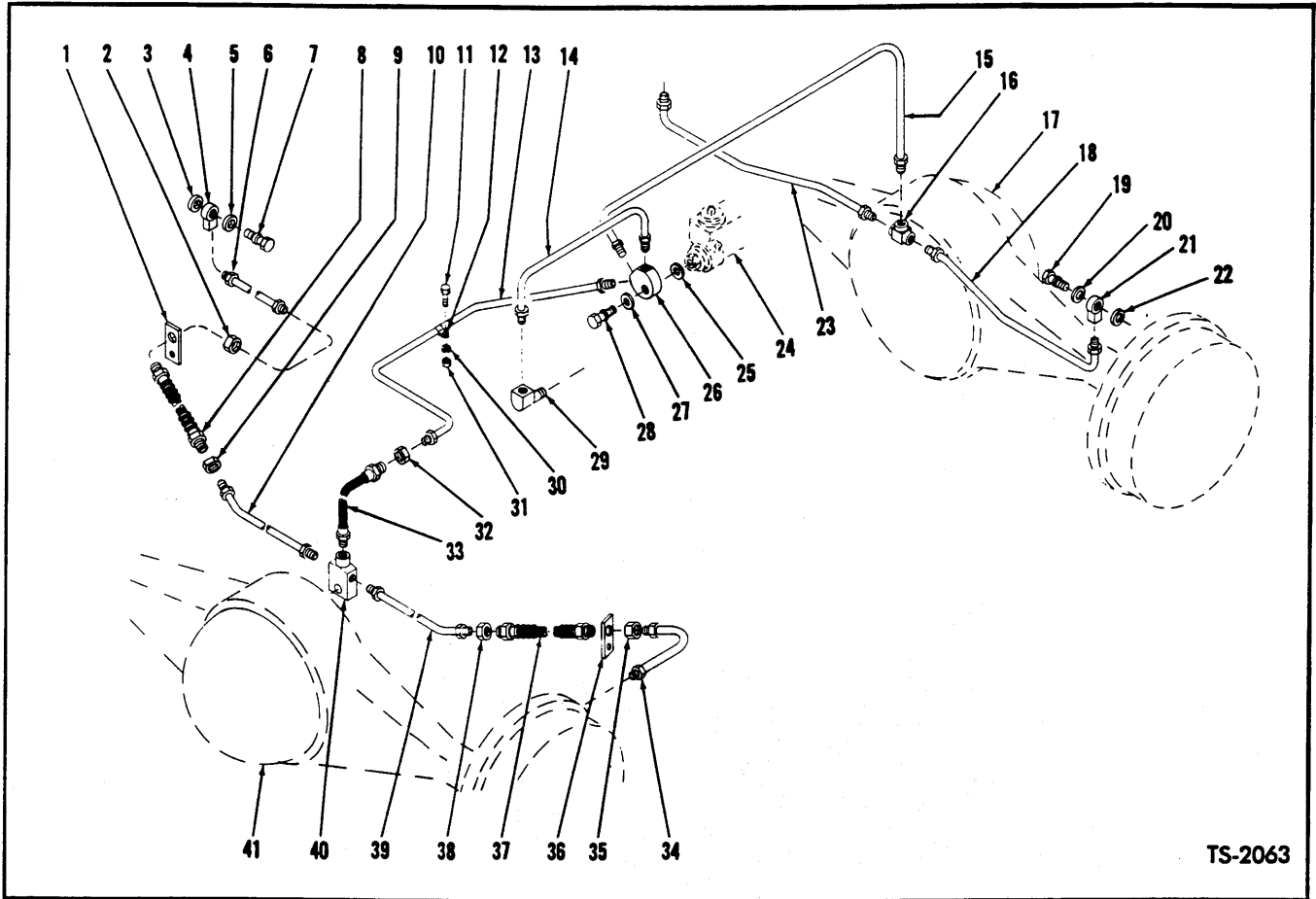
TS-1793-P

BRAKE LINES — 2 WHEEL BRAKES *

For Serial: 55A — 3723 thru 3855, 1BCO134 thru 1BCO282
55B — 50BCO1 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	552382	LINE, Brake — Master Cyl. to Trans.....	1	10	620238	GASKET, Copper — Outer Wheel Cyl.	1
2	613750	GASKET, Copper — Inner Wheel Cyl.	1	11	620235	FITTING, Wheel Cylinder	1
3	620235	FITTING, Wheel Cylinder	1	12	613750	GASKET, Copper — Inner Wheel Cyl.	1
4	620238	GASKET, Copper — Outer Wheel Cyl.	1	13	525742	LINE, Axle Tee to Right Wheel Brake..	1
5	692722	BOLT, Wheel Cylinder Fitting	1	14	613750	GASKET, Copper — Inner Master Cyl.	1
6	525743	LINE, Axle Tee to Left Wheel Brake....	1	15	633242	FITTING, Master Cylinder Outlet	1
7	552383	LINE, Brake—Master Cyl. to Axle Tee	1	16	620238	GASKET, Copper—Outer Master Cyl....	1
8	100582	TEE, Axle Brake Line	1	17	692722	BOLT, Master Cylinder Fitting	1
9	692722	BOLT, Wheel Cylinder Fitting	1	18	62F-3	ELBOW, Trans. to Master Cyl. Line.....	1

*Ref. SG-681



BRAKE LINES — FOUR WHEEL BRAKES — MODEL 55A *

For Serial 2BCO1 thru 2BCO99

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550325	CLIP, Brake Hose to Cradle	1	22	613750	GASKET, Wheel Cylinder Fitting	2
2	8D-10	NUT, Clip to Hose	1	23	525743	LINE, Tee to Wheel Cylinder Fitting....	1
3	613750	GASKET, Wheel Cylinder Fitting.....	2	24	————	BRAKE MASTER CYL.—See Index	—
4	620235	FITTING, Wheel Cylinder	2	25	613750	GASKET, Master Cylinder Fitting	1
5	620238	GASKET, Wheel Cylinder Fitting	2	26	552264	FITTING, Master Cylinder	1
6	536017	LINE, Brake Hose to Fitting	1	27	620238	GASKET, Master Cylinder Fitting	1
7	692722	BOLT, Wheel Cylinder Fitting	2	28	692722	BOLT, Fitting to Master Cylinder	1
8	552374	HOSE, Brake	1	29	62F-3	ELBOW, Trans. to Fitting Line	1
9	8D-10	NUT, Brake Hose	1	30	4E-06	LKWSHR, Line Clip Attaching	1
10	528504	LINE, Hose to Axle Tee	1	31	2D-06	NUT, Line Clip Attaching	1
11	2C-616	BOLT, Line Clip Attaching	1	32	8D-10	NUT, Brake Hose	1
12	6H-4	CLIP, Line Support	1	33	550324	HOSE, Tee to Line	1
13	528503	LINE, Hose to Fitting	1	34	536017	LINE, Hose to Wheel Cylinder Fitting..	1
14	552382	LINE, Elbow to Fitting	1	35	8D-10	NUT, Clip to Hose	1
15	552383	LINE, Fitting to Axle Tee	1	36	550325	CLIP, Brake Hose to Cradle	1
16	100582	TEE, Front Axle Brake Line	1	37	552374	HOSE, Brake	1
17	————	FRONT AXLE — See Index	—	38	8D-10	NUT, Brake Hose	1
18	525742	LINE, Tee to Wheel Cylinder Fitting....	1	39	528505	LINE, Hose to Axle Tee	1
19	692722	BOLT, Wheel Cylinder Fitting	2	40	550320	TEE, Rear Axle Brake Line	1
20	620238	GASKET, Wheel Cylinder Fitting	2	41	————	REAR DRIVE STEER AXLE — See	—
21	620235	FITTING, Wheel Cylinder	2			Index	—

*Ref. SG-681

REAR DRIVE STEER AXLE ASSEMBLY — MODEL 55A
For Serial 3723 thru 3855, 1BCO134 thru 1BCO282

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130519	AXLE ASSY (Inc. B, C, 1 thru 57)	1	26B	944160	†PIN, Center Ball (2 1/16")	2
B	—	†DIFF. & CARRIER ASSY (See Index)	—	27	109665	RETAINER, Outer End Dust Seal	2
C	—	†TIE ROD ASSY (See Index)	—	28	109663	SEAL, Outer End Dust	2
1	100638	BOLT, Planet Spider to Hub	20	29	109664	SPRING, Outer End Dust Seal	2
2	112278	LKWSHR, Planet Spider to Hub	20	30	109662	SEAL, Outer End Oil	2
3	—	Use PERMATEX #2	—	31	109666	RING, Outer End Seal Retaining	4
4	102313	NUT, Spindle—Inner	2	32	109660	RETAINER, Outer End Oil Seal	2
5	109640	STUD, Wheel	20	32A	1C-612	†BOLT, Oil Seal Retainer	24
6	109641	NUT, Wheel	20	32B	4E-06	†LKWSHR, Oil Seal Retainer	24
7	658990	CUP, Outer Hub Bearing	2	33	109661	GASKET, Oil Seal Retainer	2
8	109645	HUB ASSY (Inc. 7, 9)	2	34	109771	‡SHIM, Trunnion—Thin	—
9	742258	CUP, Inner Hub Bearing	2	34A	109772	‡SHIM, Trunnion—Medium	—
10	742257	CONE, Inner Hub Bearing	2	34B	109773	‡SHIM, Trunnion—Thick	—
11	109652	BUSHING, Spindle	2	35	109667	TRUNNION, Steering—Flange—Lower	2
12	110242	*SPINDLE ASSY (Inc. 11)	2	36	713659	CONE, Trunnion Bearing	2
13	114792	SUPPORT, Spindle—R.H.	1	37	4E-08	LKWSHR, Trunnion Bolt	12
13A	114793	†SUPPORT, Spindle—L.H.	1	38	17C-824	BOLT, Trunnion	12
13B	11F-12	†PLUG, Spindle Support Filler	2	39	713660	CUP, Trunnion Bearing	2
14	4E-08	LKWSHR, Steering Arm	4	40	106129	WASHER, Universal Joint Thrust	2
15	17C-828	BOLT, Steering Arm	4	41	106762	WASHER, Spindle Bolt	20
16	713659	CONE, Trunnion Bearing	2	42	106539	BOLT, Spindle Attaching	20
17	10H-25	FITTING, Trunnion Grease	2	43	109659	SEAL, Universal Joint Oil	2
18	109668	TRUNNION, Steering—Flange—Upper	1	44	111726	SEAL, Hub Oil	2
18A	109669	†TRUNNION, Steering	1	45	658974	CONE, Outer Hub Bearing	2
19	109670	RETAINER, Trunnion Oil	2	46	—	§HUB, Internal Gear (See 58)	2
20	713660	CUP, Trunnion Bearing	2	47	11F-12	PLUG, Hub Filler	2
21	109656	ARM, Steering	1	48	—	§GEAR, Internal (See 58)	2
22	106129	WASHER, Universal Joint Thrust	2	49	4E-07	LKWSHR, Planet Puller Hole	4
23	109659	SEAL, Universal Joint Oil	2	50	1C-707	BOLT, Planet Puller Hole	4
24	109658	WASHER, Oil Seal	2	51	106572	WASHER, Spindle Thrust	2
25	109653	**HOUSING, Axle	1	52	102314	LOCK, Spindle Nut	2
25A	11F-12	†PLUG, Housing Filler & Drain	2	53	102313	NUT, Spindle Outer	2
25B	106656	†BREATHER, Axle Housing	1	54	107390	GEAR, Sun	2
25C	1C-712	†BOLT, Axle Housing Stop Boss	2	55	—	PLANET SPIDER ASSY (See Index)	—
25D	4E-07	†LKWSHR, Axle Housing Stop Boss	2	56	224104	RING, Sun Gear Snap	2
26	109649	SHAFT, Axle	2	57	111842	BOLT, Internal Gear to Hub	20
26A	774728	†PIN, Spiral (1 1/4" long)	2	58	114591	†INTERNAL GEAR & HUB ASSY (Inc. 46, 48)	2

*NOTE: When installing 110242 Spindle on above serial numbers 20 — 106762 Washers and 10 — 106539 Bolts must be used. Two (2) washers to be used under the head of each bolt.

†Not Illustrated
‡As Required
§Not Sold Separately

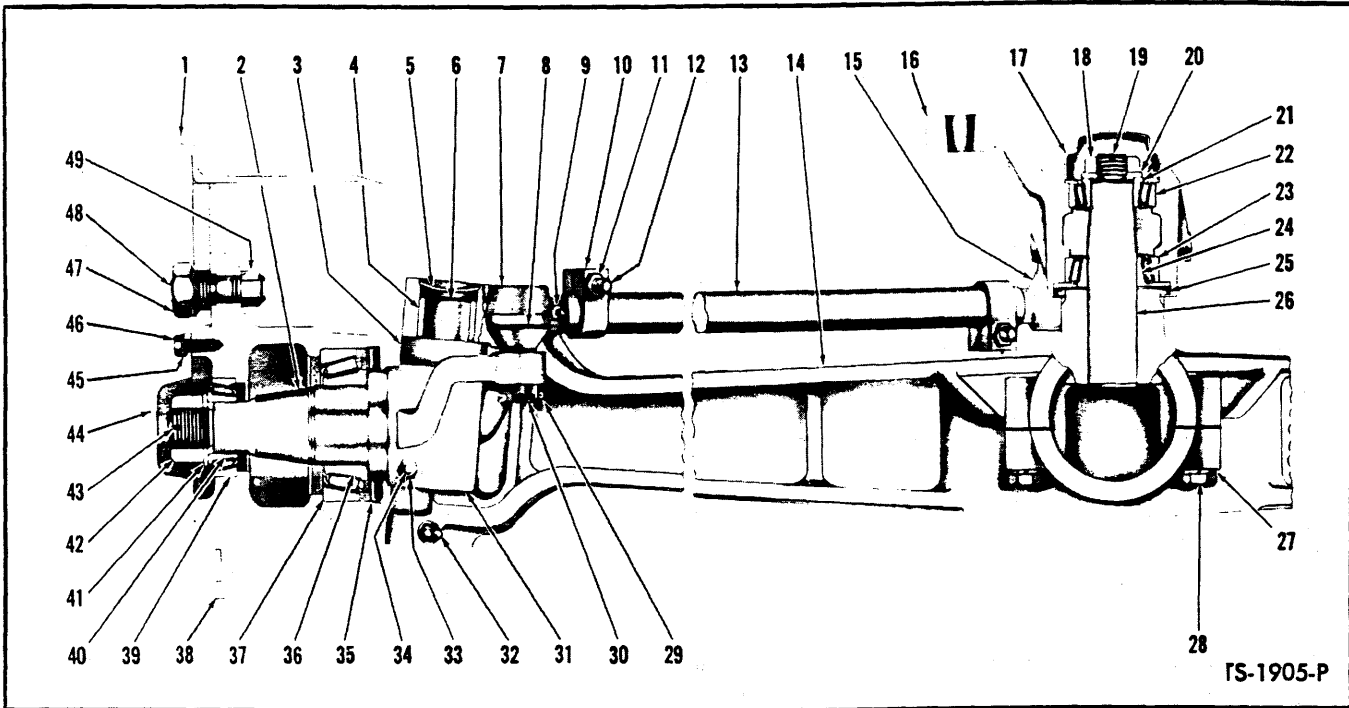
**NOTE: For replacement use 815899 Kit, which consists of 1—121982 Housing Assy., 2—112638 Plate, plus 4—1C-616C Screw.

REAR DRIVE STEER AXLE ASSEMBLY — MODEL 55A
For Serial 2BCO1 thru 2BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130979	AXLE ASSY (Inc. B, C, 1 thru 64)	1	29	944160	PIN, Center Ball (2½" long)	2
B	-----	†DIFF. & CARRIER ASSY (See Index)	—	30	774728	PIN, Spiral (1¼" long)	2
C	-----	†TIE ROD ASSY (See Index)	—	31	109665	RETAINER, Outer End Dust Seal	2
1	100638	BOLT, Planet Spider to Hub	20	32	109663	SEAL, Outer End Dust	2
2	112278	WASHER, Planet Spider to Hub	20	33	109664	SPRING, Outer End Dust Seal	2
3	-----	Use PERMATEX #2	—	34	109662	SEAL, Outer End Oil	2
4	110240	HUB ASSY (Inc. 8, 51)	2	35	109666	RING, Outer End Seal Retaining	4
5	102313	NUT, Spindle — Inner	2	36	109660	RETAINER, Outer End Oil Seal	2
6	109640	STUD, Wheel	20	36A	1C-612	†BOLT, Oil Seal Retainer	24
7	109641	NUT, Wheel	20	36B	4E-06	†LKWSHR, Oil Seal Retainer	24
8	658990	CUP, Outer Hub Bearing	2	37	109661	GASKET, Oil Seal Retainer	2
9	106815	DRUM, Brake	2	38	109771	‡SHIM, Trunnion — Thin	—
9A	100320	†CLIP, Inspection Hole	2	38A	109772	‡SHIM, Trunnion — Medium	—
10	104412	WASHER, Brake Drum	12	38B	109773	‡SHIM, Trunnion — Thick	—
11	17C1024	BOLT, Brake Drum	12	39	109667	TRUNNION, Steering—Flange—Lower	2
12	742257	CONE, Inner Hub Bearing	2	40	713659	CONE, Trunion Bearing	2
13	110242	SPINDLE ASSY (Inc. 14)	2	41	4E-08	LKWSHR, Trunnion Bolt	12
14	109652	BUSHING, Spindle	2	42	17C-824	BOLT, Trunnion	12
15	114792	SUPPORT, Spindle — R.H.	1	43	713660	CUP, Trunnion Bearing	2
15A	114793	†SUPPORT, Spindle — L.H.	1	44	106129	WASHER, Universal Joint Thrust	2
15B	11F-12	†PLUG, Spindle Support Filler	2	45	-----	BRAKE ASSY (See Index)	—
16	713659	CONE, Trunnion Bearing	2	46	109659	SEAL, Universal Joint Oil	2
17	10H-25	FITTING, Trunnion Grease	2	47	106762	WASHER, Spindle Bolt	20
18	109668	TRUNNION, Steering—Flange—Upper	1	48	106539	BOLT, Spindle Attaching	20
18A	109669	†TRUNNION, Steering	1	49	106820	OIL CATCHER	2
19	109670	RETAINER, Trunnion Oil	2	50	111726	SEAL, Hub Oil	2
20	17C-828	BOLT, Steering Arm	4	51	742258	CUP, Inner Hub Bearing	2
21	4E-08	LKWSHR, Steering Arm	4	52	658974	CONE, Outer Hub Bearing	2
22	713660	CUP, Trunnion Bearing	2	53	106920	HUB, Internal Gear	2
23	109656	ARM, Steering	1	54	11F-12	PLUG, Hub Filler	2
24	106129	WASHER, Universal Joint Thrust	2	55	106921	GEAR, Internal	2
25	109659	SEAL, Universal Joint Oil	2	56	4E-07	LKWSHR, Planet Puller Hole	4
26	109658	WASHER, Oil Seal	2	57	1C-707	BOLT, Planet Puller Hole	4
27	109653	*HOUSING, Axle	1	58	106572	WASHER, Spindle Thrust	2
27A	11F-12	†PLUG, Housing Filler & Drain	2	59	102314	LOCK, Spindle Nut	2
27B	106656	†BREATHER, Axle Housing	1	60	102313	NUT, Spindle — Outer	2
27C	1C-712	†BOLT, Axle Housing Stop Boss	2	61	107390	GEAR, Sun	2
27D	4E-07	†LKWSHR, Axle Housing Stop Boss	2	62	-----	PLANET SPIDER ASSY (See Index)	—
28	109649	SHAFT, Axle	2	63	224104	RING, Sun Gear Snap	2
				64	111842	BOLT, Internal Gear to Hub	20

†Not Illustrated
‡As Required

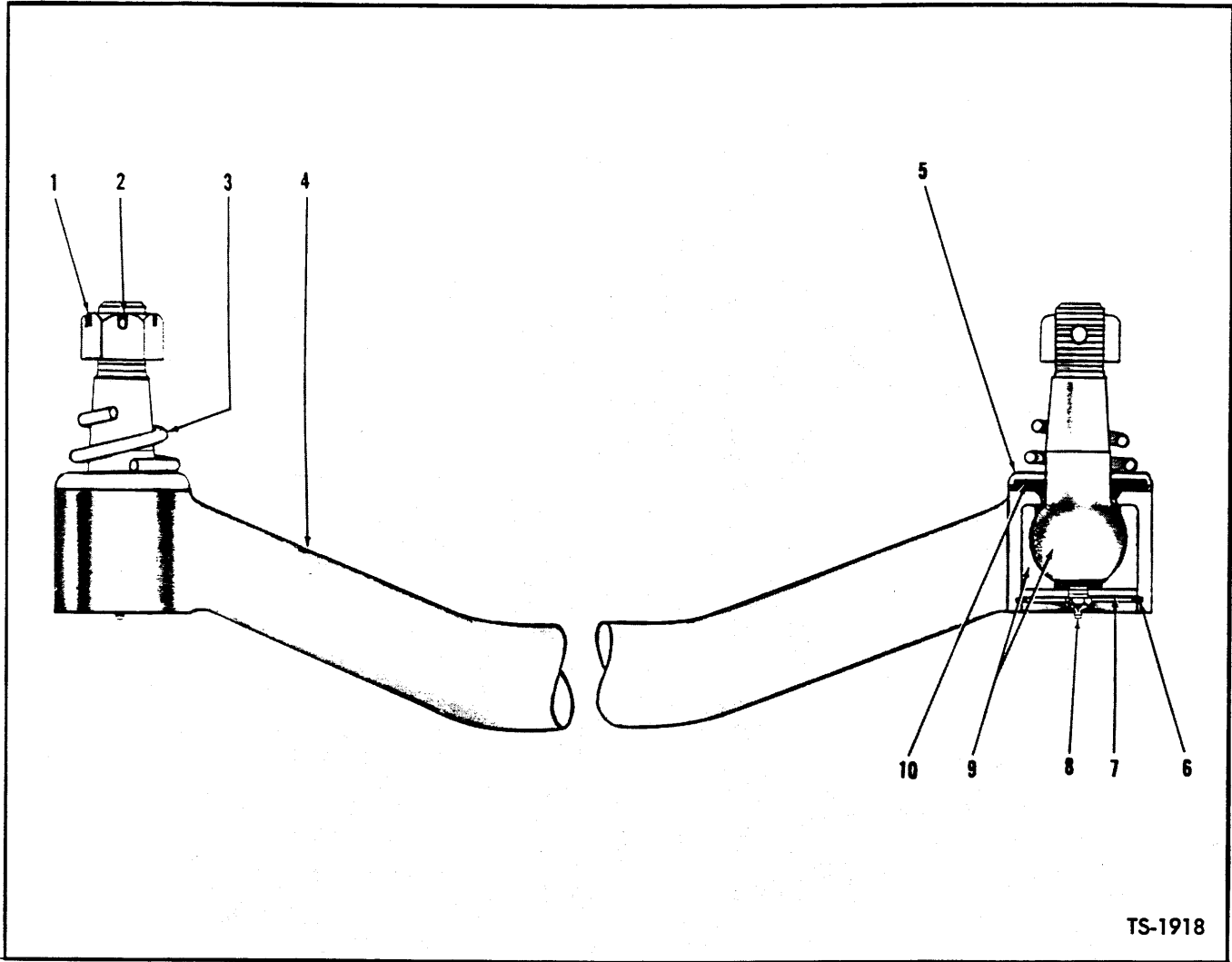
**NOTE: For replacement use 815899 Kit, which consists of 1—121982 Housing Assy., 2—112638 Plate, plus 4—1C-616C Screw.



AXLE ASSEMBLY — REAR STEERING — MODEL 55B

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130151	REAR STEERING AXLE ASSY (Inc. 2 thru 49)	1	22	672070	CUP, Spider Bearing — Upper	1
1	—	WHEEL ASSY — (See Index)	—	23	654167	CUP, Spider Bearing — Lower	1
2	103928	KNUCKLE — L.H. Steering	1	24	654139	CONE, Spider Bearing — Lower	1
2A	103927	KNUCKLE — R.H. Steering	1	25	107461	SEAL, Spider	1
2B	13G-820	†SCREW, Knuckle Stop	2	26	107449	PIN, Steering Arm	1
2C	7D-08	†NUT, Knuckle Stop Screw	2	27	4E-10	LKWSHR, Axle Center Brg. Mtg. Cap	8
3	666553	BEARING, Knuckle Thrust	2	28	1C-1048	BOLT, Axle Center Brg. Mtg. Cap	8
4	711120	BEARING, Knuckle Pin	4	29	1F-416	COTTER, Tie Rod End	4
5	12F-200	PLUG, Axle Center Expansion	4	30	4D-10	NUT, Tie Rod End	4
6	103929	PIN, Knuckle	2	31	103942	‡SHIM, Knuckle	—
7	103227	END ASSY, Tie Rod — L.H. (Inc. 8, 30)	2	32	11H-1	FITTING, Knuckle Pin Grease	4
8	103166	COVER, Tie Rod End Ball	4	33	2D-06	NUT, Knuckle Pin Draw Key	4
9	15H-1	FITTING, Tie Rod End Grease	4	33A	4E-06	LKWSHR, Knuckle Pin Draw Key	4
10	103165	CLAMP, Tie Rod	4	34	102594	KEY, Knuckle Pin Draw	4
11	2D-08	NUT, Tie Rod Clamp Bolt	4	35	103935	SEAL, Inner Hub Oil	2
12	2C-836	BOLT, Tie Rod Clamp	4	36	654042	CONE, Inner Hub Bearing	2
12A	4E-08	LKWSHR, Tie Rod Clamp Bolt	4	37	710037	CUP, Inner Hub Bearing	2
13	106165	TIE ROD ASSY (Inc. 7, 8, 10 thru 12A, 13A, 15, 30)	2	38	106160	HUB ASSY (Inc. 37, 39, 44 thru 49)	2
13A	106166	TIE ROD	2	39	654167	CUP, Outer Hub Bearing	2
14	107447	AXLE CENTER ASSY (Inc. 4, 26, 27, 28)	1	40	654139	CONE, Outer Hub Bearing	2
15	103228	END ASSY, Tie Rod — R.H. (Inc. 8, 30)	2	41	102251	WASHER, Knuckle	2
16	107450	SPIDER & CUP ASSY, Steering (Inc. 22, 23)	1	42	4D-20	NUT, Knuckle	2
17	100323	CAP, Spider Hub Grease	1	43	1F-632	COTTER, Knuckle	2
18	100575	NUT, Spider	1	44	103188	CAP, Hub Grease	2
19	1F-428	COTTER, Spider Nut	1	45	6E-06	LKWSHR, Hub Grease Cap	10
20	100588	WASHER, Spider	1	46	1C-614	BOLT, Hub Grease Cap	10
21	675246	CONE, Spider Bearing — Upper	1	47	103522	NUT, Wheel	12
				48	103445	STUD, Wheel Mount	12
				49	121062	NUT, Wheel Stud	12

†Not Illustrated
‡As Required



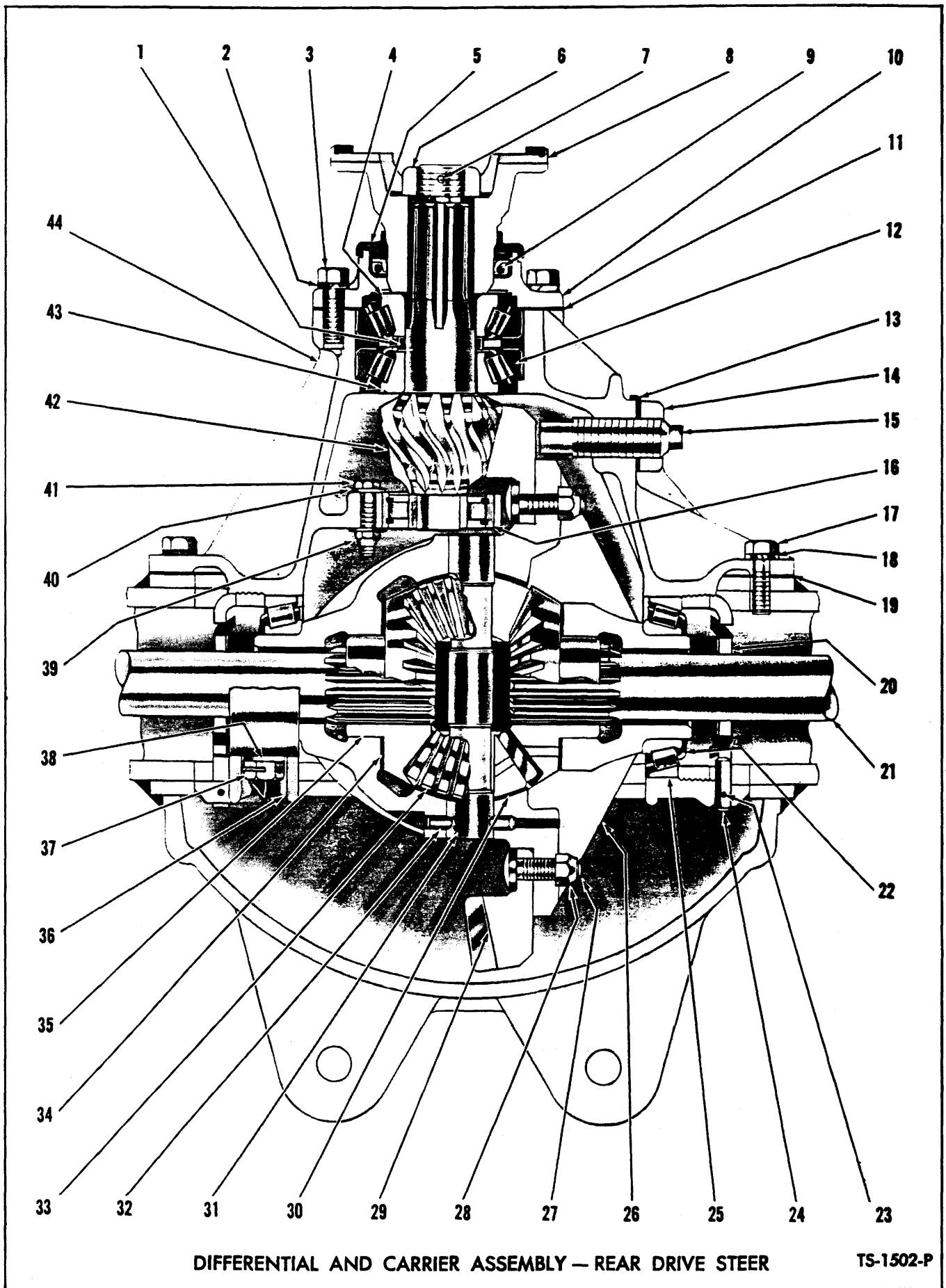
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TIE ROD ASSEMBLY — MODEL 55A

Item No.	Part No.	Description	No. Req'd.
1	112174	NUT, Ball Stud	2
2	1F-428	COTTER, Ball Stud Nut	2
3	106268	SPRING	2
4	532447	TIE ROD ASSY (Inc. 6 thru 9).....	1
5	106138	RETAINER, Felt Washer	2
6	507695	RING, Ball Stud Retaining.....	2
7	541879	*PLATE, Ball Stud Retaining.....	2
8	OMIT	FITTING, Ball Stud Grease.....	—
9	117228	BALL STUD	2
10	106137	WASHER, Felt	2

*NOTE: For replacement use 815841 Retainer Plate Assy., which consists of 1—524066 Retainer Plate plus 1—10H-25 Grease Fitting.

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



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

TS-1502-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER — MODEL 55A

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	815553	DIFF. & CARRIER ASSY (Inc. 1 thru 20, 22 thru 44)	1	24	101411	PIN, Differential Adjusting Nut Lock....	2
1	815082	SPACER & SHIM KIT, Pinion Bearing	1	25	667279	CUP, Differential Bearing	2
2	3E-07	LKWSHR, Pinion Bearing Retainer....	6	26	101396	CASE, Differential	1
3	1C-720	BOLT, Pinion Bearing Retainer	6	27	101424	BOLT, Ring Gear	12
4	-----	§CONE, Pinion Bearing (See 48)	1	28	109389	NUT, Ring Gear Bolt	12
5	100674	SHIELD, Pinion Dust	1	29	-----	*§RING GEAR (See 47)	—
6	100675	NUT, Pinion Shaft	1	30	101399	WASHER, Differential Pinion Thrust....	2
7	1F-424	COTTER, Pinion Shaft	1	31	101401	PIN, Side Pinion.....	1
8	109644	FLANGE, Companion	1	32	666364	PIN, Side Pinion Lock	1
9	111646	SEAL, Pinion Oil	1	33	101397	PINION, Differential Side	2
10	101406	RETAINER, Pinion Bearing	1	34	101400	WASHER, Diff. Side Gear Thrust	2
11	127684	GASKET, Pinion Bearing Retainer	1	35	101398	GEAR, Differential Side	2
12	-----	§CUP, Pinion Bearing (See 48)	1	36	-----	§CAP, Differential Carrier (See 44)	—
13	100954	LOCK, Thrust Screw	1	37	3C-1040	BOLT, Differential Carrier Cap	4
14	8D-14	NUT, Thrust Screw	1	38	104549	WASHER, Differential Carrier Cap	4
15	123800	SCREW, Thrust	1	39	45D-05	*NUT, Bearing Retainer	1
16	111437	*BEARING, Pinion Inner	1	40	102350	*WASHER, Bearing Retainer.....	2
17	1C-720	BOLT, Carrier to Axle Housing—1¼"	10	41	2C-522	*BOLT, Bearing Retainer.....	1
17A	1C-724	†BOLT, Carrier to Axle Housing—1½"	2	42	-----	*§PINION (See 47)	—
18	4E-07	LKWSHR, Carrier to Housing Bolt	12	43	-----	§CONE, Pinion Bearing (See 48)	1
19	-----	Use PERMATEx #2	—	44	815563	CARRIER & CAP ASSY, Differential (Inc. 36, 37, 38)	1
20	123746	NUT, Differential Adjusting	2	45	111559	†DIFFERENTIAL ASSY (Inc. 26 thru 35, 42)	1
21	-----	SHAFT, Axle (See Rear Drive Steer Axle—Index)	—	46	101395	†DIFFERENTIAL BODY SUB ASSY (Inc. 26, 30 thru 35)	1
22	648334	CONE, Differential Bearing	2	47	815417	*†GEAR & PINION SET (Inc. 29, 42)	1
23	1F-428	COTTER, Diff. Adj. Nut Lock Pin	2	48	111735	†BRG. ASSY, Pinion (Inc. 4, 12, 43)	1

*NOTE: When installing 815417 Gear and Pinion Set on machine serial numbers listed below, one (1) 111437 Inner Pinion Bearing must also be used. When new 111437 Bearing is installed, items 39, 40 and 41 are no longer required.

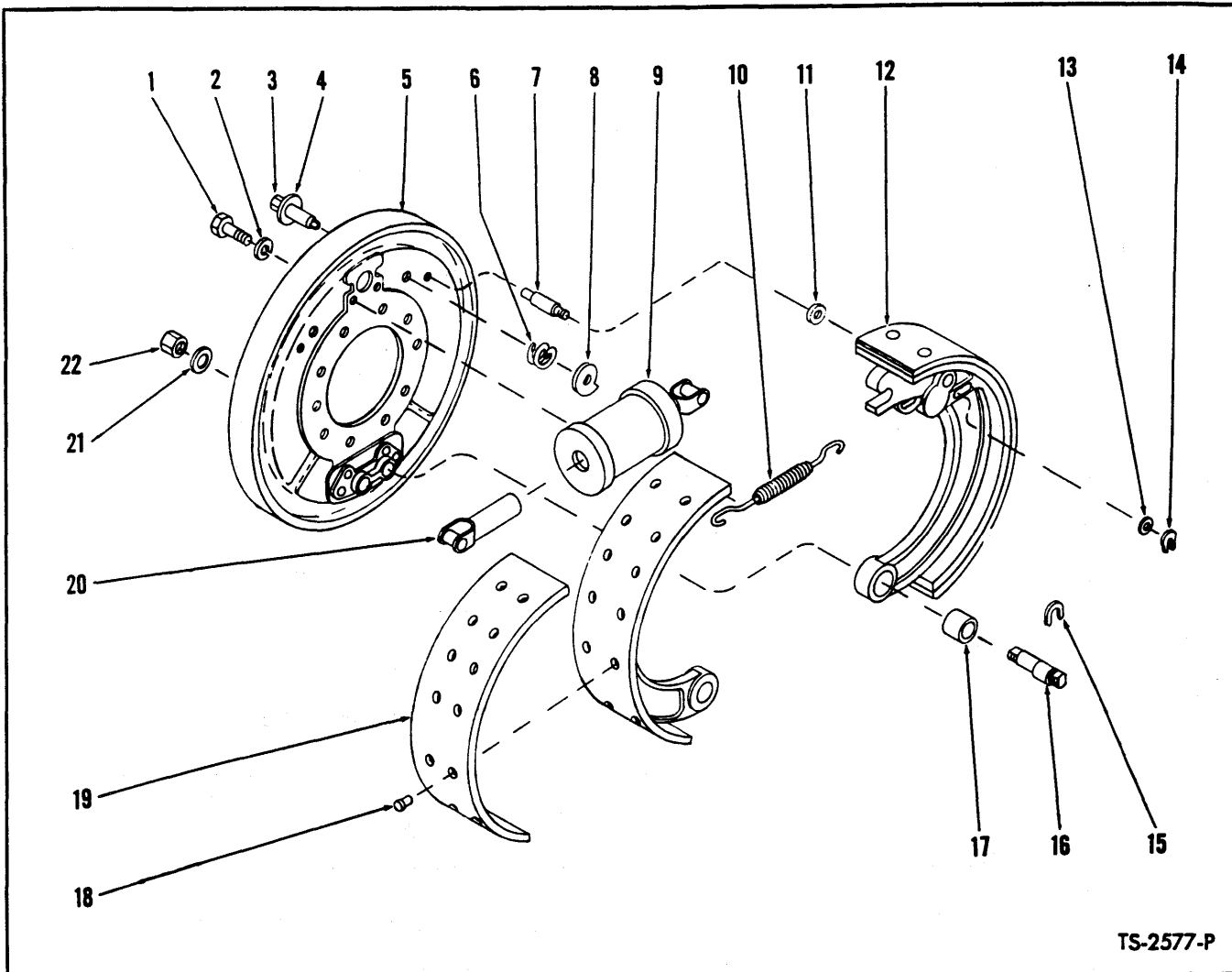
55A — 3726 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO140

55B — 50BCO1 thru 50BCO34

†Not Illustrated

§Not Sold Separately

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



TS-2577-P

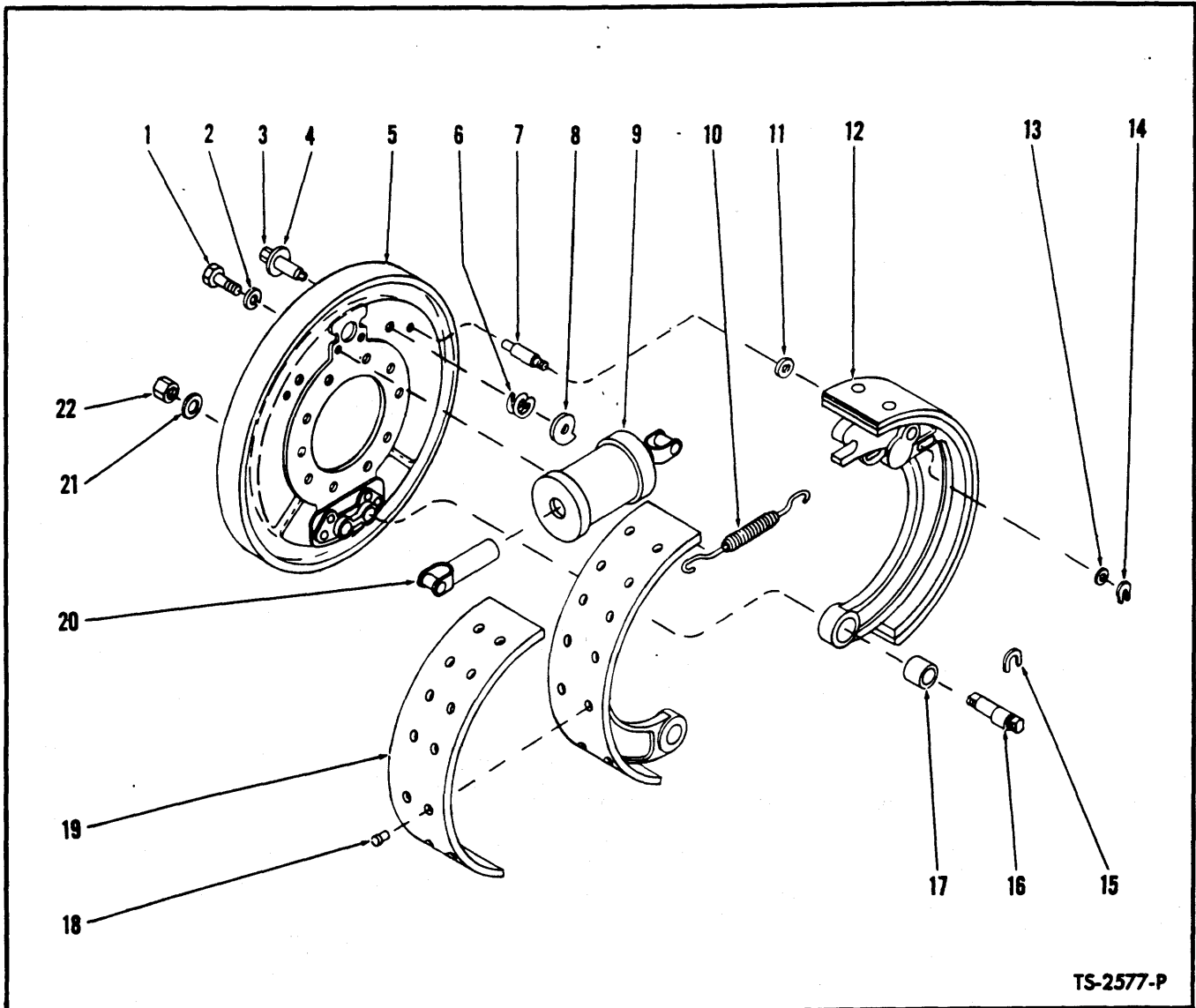
BRAKE ASSEMBLY — REAR *

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	110917	² BRAKE ASSY (Inc. 1 thru 22)	2	11	102322	WASHER, Guide Pin	2
NOTE: 2 brake assemblies used on axle — Quantities listed below are for 1 brake assembly.				12	111440	SHOE ASSY, Brake (Inc. 17, 19)	2
1	1C-510	BOLT, Cylinder to Brake Disc	2	13	102322	WASHER, Guide Pin	2
2	4E-05	LKWSHR, Cylinder to Brake Disc	2	14	100878	"C" WASHER, Guide Pin	2
3	114170	PIN ASSY, Cam (Inc. 4)	2	15	100613	"C" WASHER, Anchor Pin	2
4	100867	WASHER, Cam Pin	2	16	102498	PIN, Anchor	2
5	106817	DISC ASSY, Brake (Inc. 3, 4, 6, 7, 8)	1	17	102497	BUSHING, Brake Shoe	2
6	943859	SPRING, Cam (Inc. 6A)	2	18		RIVET, Lining to Shoe	
6A	851771	†WASHER, Cam Spring	4	18A	106184	¼" — For Shoes with ½" rivet holes	24
7	100877	PIN, Guide	2	18B	3H-1214	¾" — For Shoes with ¼" rivet holes	24
8	100864	CAM, Brake Shoe Adjusting	2	19	944216	LINING KIT, Brake Shoe (Inc. 18B)	2
9	102488	CYLINDER ASSY, Wheel (Inc. 21)	1	20	853402	LINK, Wheel Cylinder Connector	2
9A	853405	†REPAIR KIT, Wheel Cylinder	1	21	6E-12	LKWSHR, Anchor Pin	2
10	100879	SPRING, Brake Shoe Return	1	22	2D-12	NUT, Anchor Pin	2

†Not Illustrated

*Ref. S.G.-681

²For complete replacement use 120505 Brake Assembly.

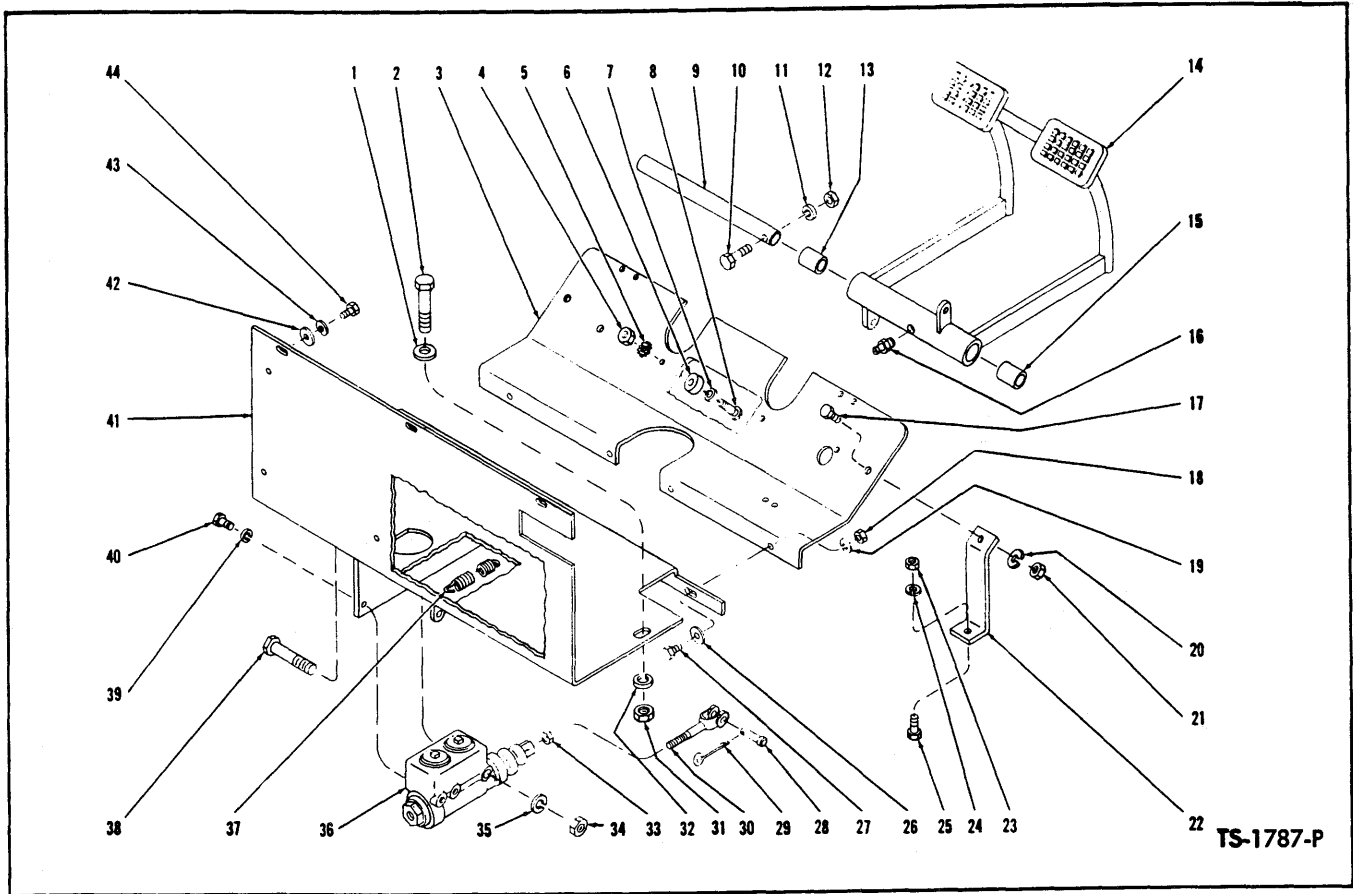


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BRAKE ASSEMBLY — REAR *

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	120505	BRAKE ASSY (Inc. 1 thru 22)	2	12	120507	SHOE ASSY, Brake (Inc. 17, 18, 19)	2
NOTE: 2 Brake Assemblies used per axle — Quantities listed below are for 1 Brake Assembly.				13	102322	WASHER, Guide Pin	2
1	1C-510	BOLT, Cylinder to Brake Disc	2	14	100878	"C" WASHER, Guide Pin	2
2	4E-05	LKWSHR, Cylinder to Brake Disc	2	15	100613	"C" WASHER, Anchor Pin	2
3	114170	PIN ASSY, Cam (Inc. 4)	2	16	102498	PIN, Anchor	2
4	100867	WASHER, Cam Pin	2	17	102497	BUSHING, Brake Shoe	2
5	106817	DISC ASSY, Brake (Inc. 3, 4, 6, 7, 8)	1	18	23H-706	RIVET, Lining to Shoe	24
6	100865	SPRING, Cam	2	19	944216	LINING KIT, Brake Shoe (Inc. 18)	2
7	100877	PIN, Guide	2	19A	840040	† LINING KIT, Brake Shoe — 1/8" O.S. (Inc. 18)	2
8	100864	CAM, Brake Shoe Adjusting	2	20	853402	LINK, Wheel Cylinder Connector	2
9	—	CYLINDER ASSY, Wheel — See Index	1	21	6E-12	LKWSHR, Anchor Pin	2
10	100879	SPRING, Brake Shoe Return	1	22	62D-12	NUT, Anchor Pin	2
11	102322	WASHER, Guide Pin	2				

†Not Illustrated
*Ref. S.G.-681

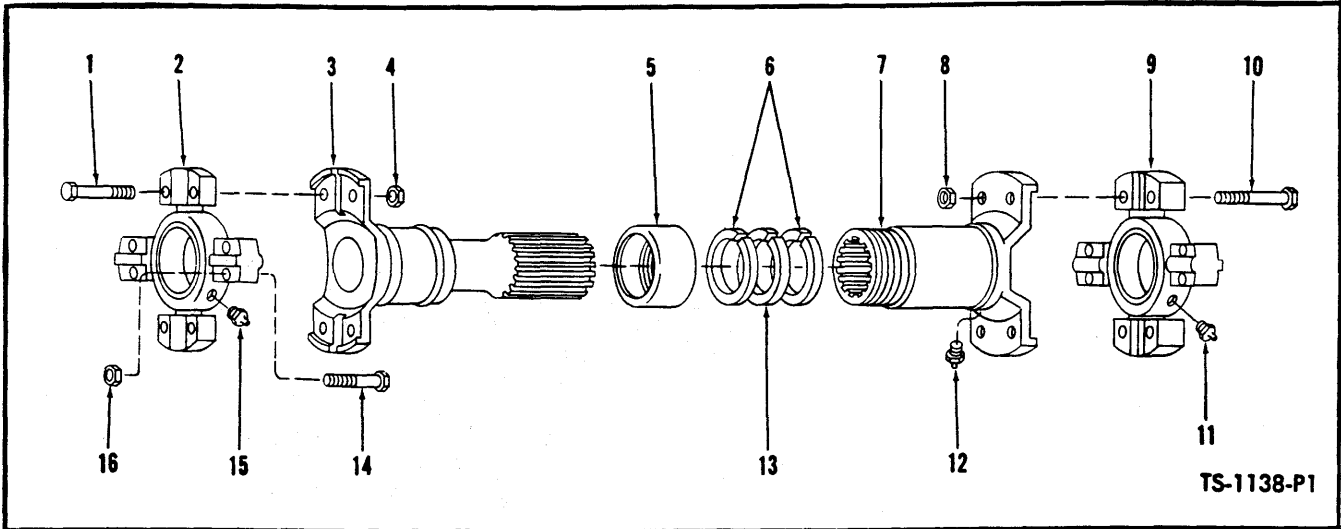


BRAKE CONTROLS AND FLOORBOARDS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	25E-18	WASHER, Floorboard to Frame	2	24	4E-06	LKWSHR, Bracket to Frame	2
2	2C-616	BOLT, Floorboard to Frame	2	25	2C-624	BOLT, Bracket to Frame	2
3	525519	FLOORBOARD, Front	1	26	25E-18	WASHER, Floorboard to Floorboard..	4
4	14D-10	NUT, Bumper to Floorboard	2	27	2C-616	BOLT, Floorboard to Floorboard	4
5	13E-10	LKWSHR, Bumper to Floorboard	2	28	4F-08127	PIN, Clevis to Pedal	1
6	302568	BUMPER, Brake Pedal	2	29	1F-412	COTTER, Clevis Pin	1
7	616775	WASHER, Bumper to Floorboard	2	30	552377	CLEVIS, Master Cylinder	1
8	2G-1010	SCREW, Bumper to Floorboard	2	31	2D-06	NUT, Floorboard to Frame	2
9	550299	SHAFT, Brake Pedal	1	32	4E-06	LKWSHR, Floorboard to Frame	2
10	2C-640	BOLT, Shaft Retaining	1	33	8D-07	NUT, Clevis Jam	1
11	4E-06	LKWSHR, Shaft Retaining	1	34	2D-07	NUT, Cylinder to Floorboard	1
12	2D-06	NUT, Shaft Retaining	1	35	4E-07	LKWSHR, Cylinder to Floorboard	1
13	526767	BUSHING, Brake Pedal	1	36	552373	CYLINDER, Brake Master	1
14	550292	PEDAL ASSY, Brake (Inc. 13, 15).....	1	36A	869449	†REPAIR KIT, Master Cylinder	1
15	526767	BUSHING, Brake Pedal	1	37	550301	SPRING, Pedal Return	1
16	11H-15	FITTING, Brake Pedal Grease	1	38	2C-760	BOLT, Cylinder to Floorboard	1
17	2C-616	BOLT, Floorboard to Bracket	2	39	4E-06	LKWSHR, Cylinder to Floorboard	1
18	2D-06	NUT, Floorboard to Floorboard	4	40	1C-614	BOLT, Cylinder to Floorboard	1
19	4E-06	LKWSHR, Floorboard to Floorboard ..	4	41	525517	FLOORBOARD, Rear	1
20	4E-06	LKWSHR, Bracket to Floorboard	2	42	25E-18	WASHER, Rear Floorboard to Frame..	3
21	2D-06	NUT, Bracket to Floorboard	2	43	4E-06	LKWSHR, Rear Floorboard to Frame..	3
22	550632	BRACKET, Floorboard Support	2	44	1C-612	BOLT, Rear Floorboard to Frame.....	3
23	2D-06	NUT, Bracket to Frame	2				

†Not Illustrated

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



TS-1138-P1

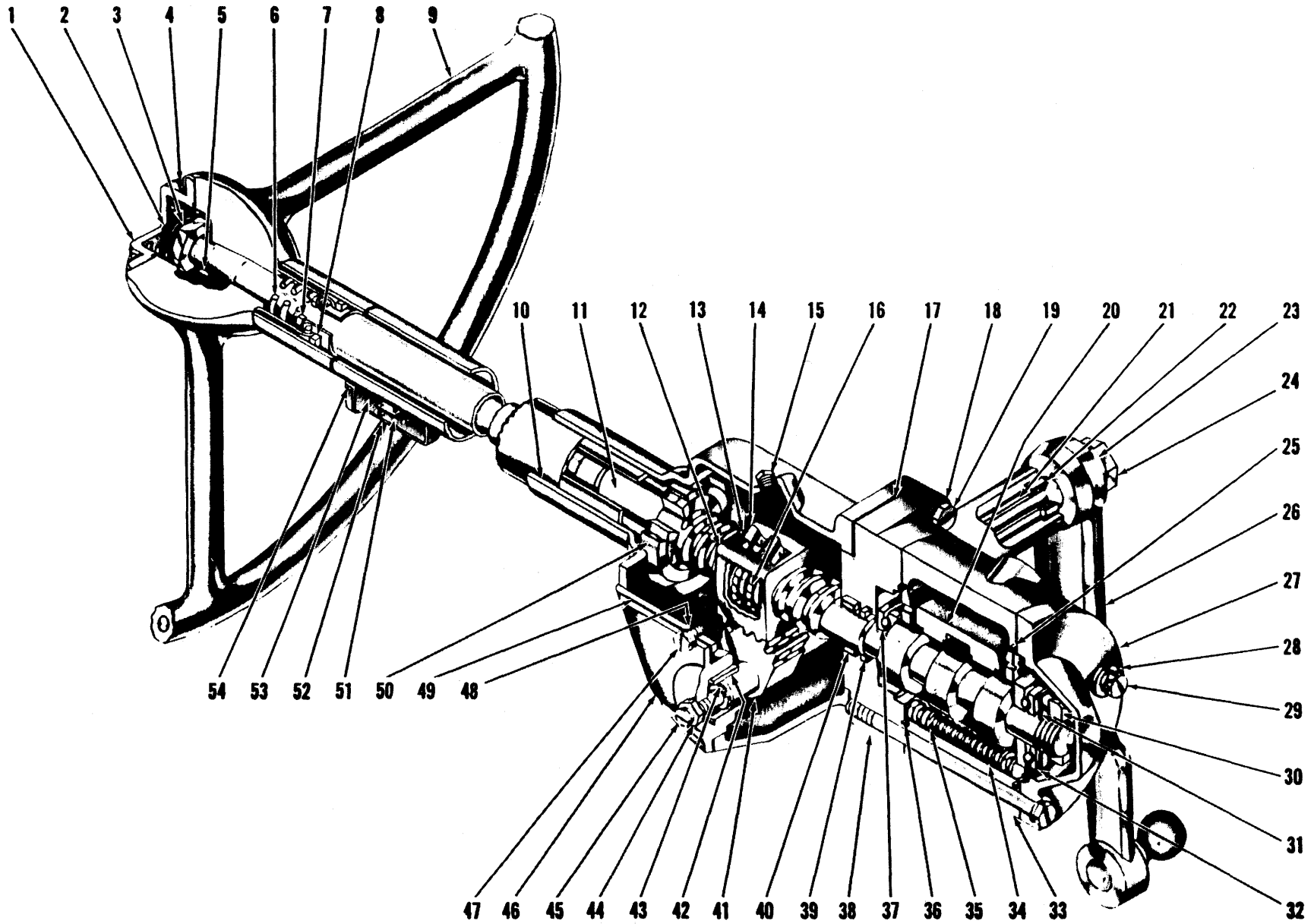
PROPELLER SHAFTS

Column 1 — Converter to Transmission
 Column 2 — Transmission to Front Axle
 Column 3 — Transmission to Rear Axle — Model 55A ONLY

Item No.	Description	No. Req'd.	1	2	3
A	PROP SHAFT ASSY (Inc. 1 thru 16)	1	514268	523361	523360
1	BOLT, Spider & Bearing to Tube	4	695811	18C632	18C632
2	SPIDER & BEARING	1	946067	945208	945208
3	TUBE	1	942659	944025	944024
4	NUT, Spider & Bearing to Tube	4	8D-06	8D-08	8D-08
5	RETAINER, Felt	1	940654	942744	942744
6	WASHER, Felt Retainer	2	940653	942750	942750
7	SLIP YOKE (Inc. 12)	1	944868	949457	949457
8	NUT, Spider & Bearing to Slip Yoke	4	8D-06	8D-08	8D-08
9	SPIDER & BEARING	1	946067	945208	945208
10	BOLT, Spider & Bearing to Slip Yoke	4	695811	18C632	18C632
11	FITTING, Spider Grease	1	10H-25	944688	944688
12	FITTING, Slip Yoke Grease	1	10H-25	10H-25	10H-25
13	WASHER, Felt	1	940081	942751	942751
14	BOLT, Spider & Bearing Attaching	8	695811	18C632	18C632
15	FITTING, Spider Grease	1	10H-25	944688	944688
16	NUT, Spider & Bearing Attaching	8	8D-06	8D-08	8D-08

†Not Illustrated

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



STEERING GEAR ASSEMBLY

TS-1912-P

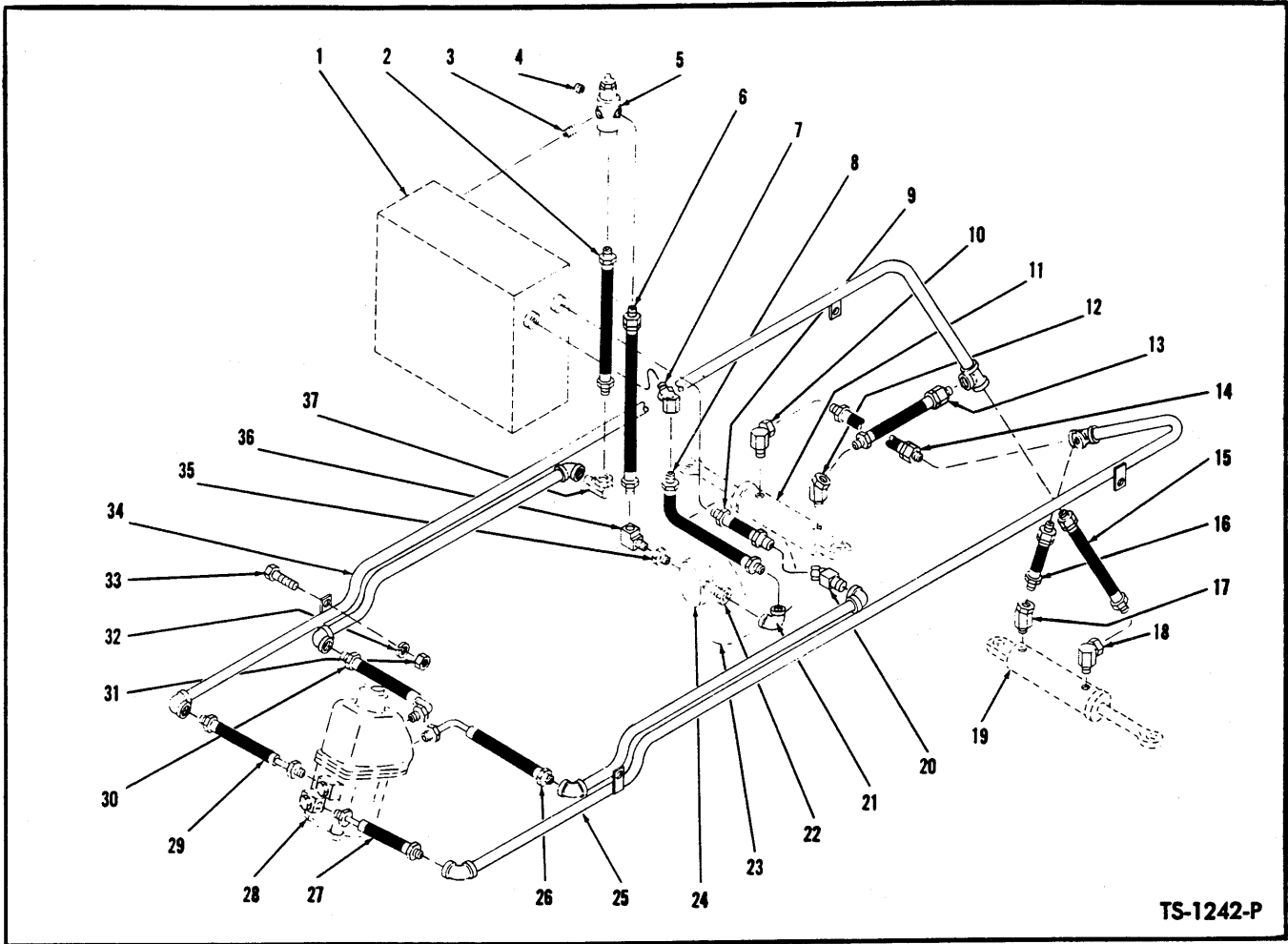
STEERING GEAR ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	523817	STEERING GEAR ASSY (Inc. 2, 5 thru 8, 10 thru 25, 27 thru 50, 53)	1	27	943667	COVER, Valve End	1
1	639796	HORN BUTTON ASSY	1	28	2E-06	LKWSHR, End Cover	3
2	853368	TERMINAL ASSY, Horn	1	29	1C-656	BOLT, End Cover	3
3	648304	NUT, Steering Wheel	1	30	873250	NUT, Worm Bearing	1
4	695930	SCREW, Horn Button	4	31	943429	SPRING, Worm Bearing	1
5	853384	KEY, Steering Wheel	1	32	860997	BEARING, Worm Thrust	1
6	853395	SPRING, Steering Shaft Upper	1	33	943800	VALVE ASSY, Hyd. (Inc. 20, 34, 35)	1
7	861768	WASHER, Steering Shaft Upper	1	34	944014	SPRING, Valve Centering	5
8	857729	BEARING ASSY, Upper	1	35	944013	PLUNGER, Valve Centering	10
9	1508704	² WHEEL, Steering	1	36	58K-232	"O" RING, Valve	1
10	944010	HOUSING ASSY (Inc. 21, 50)	1	37	860997	BEARING, Worm Thrust	1
11	944011	SHAFT ASSY (Inc. 2, 12, 13, 14, 16, 16A, 53)	1	38	861738	ADAPTER ASSY, Valve (Inc. 39, 40)	1
12	853408	NUT, Ball	1	39	25K-40108	"O" RING, Adapter	1
13	851762	BOLT & WASHER, Clamp	3	40	861741	BEARING, Adapter	1
14	853464	CLAMP, Ball Return Guide	1	41	940111	GEAR, Pitman Shaft	1
15	13F-08	PLUG, Filler	1	42	—	§BUSHING, Housing Side Cover (See Item 46)	1
16	10J-09	BALL	106	43	853187	SHIM KIT, Lash Adjuster	1
16A	853412	†GUIDE, Ball Return	4	44	8D-07	NUT, Lash Adjuster	1
17	853380	GASKET, Adapter	1	45	851770	ADJUSTER, Lash	1
18	3E-07	LKWSHR, Adapter	4	46	853182	COVER ASSY, Housing Side (Inc. 42)	1
19	1C-720	BOLT, Adapter	4	47	1C-612	BOLT, Side Cover	3
20	—	§VALVE SPOOL (See Item 33)	—	48	2E-06	LKWSHR, Side Cover	3
21	853357	BUSHING, Pitman Shaft	2	49	851756	GASKET, Side Cover	1
22	853391	SEAL, Pitman Shaft Grease	1	50	730143	BEARING, Housing	1
23	3E-18	LKWSHR, Pitman Arm	1	51	622026	CONNECTOR ASSY, Horn Cable	1
24	850756	NUT, Pitman Arm	1	51A	622027	§SCREW, Connector	2
25	58K-232	"O" RING, Valve	1	51B	518346	†GASKET, Horn Connector Assy	1
26	—	ARM, Pitman	—	52	622028	COVER, Horn Cable Connector	1
26A	944009	For Model 55A	1	53	944012	CONTACT ASSY, Horn Cable	1
26B	940125	For Model 55B	1	54	3G-1003	SCREW, Connector Cover	2
				54A	17E-10	LKWSHR, Connector Cover	2

†Not Illustrated

§Not Sold Separately

²For replacement use 2506951 Wheel plus 1-2504408 Plate.

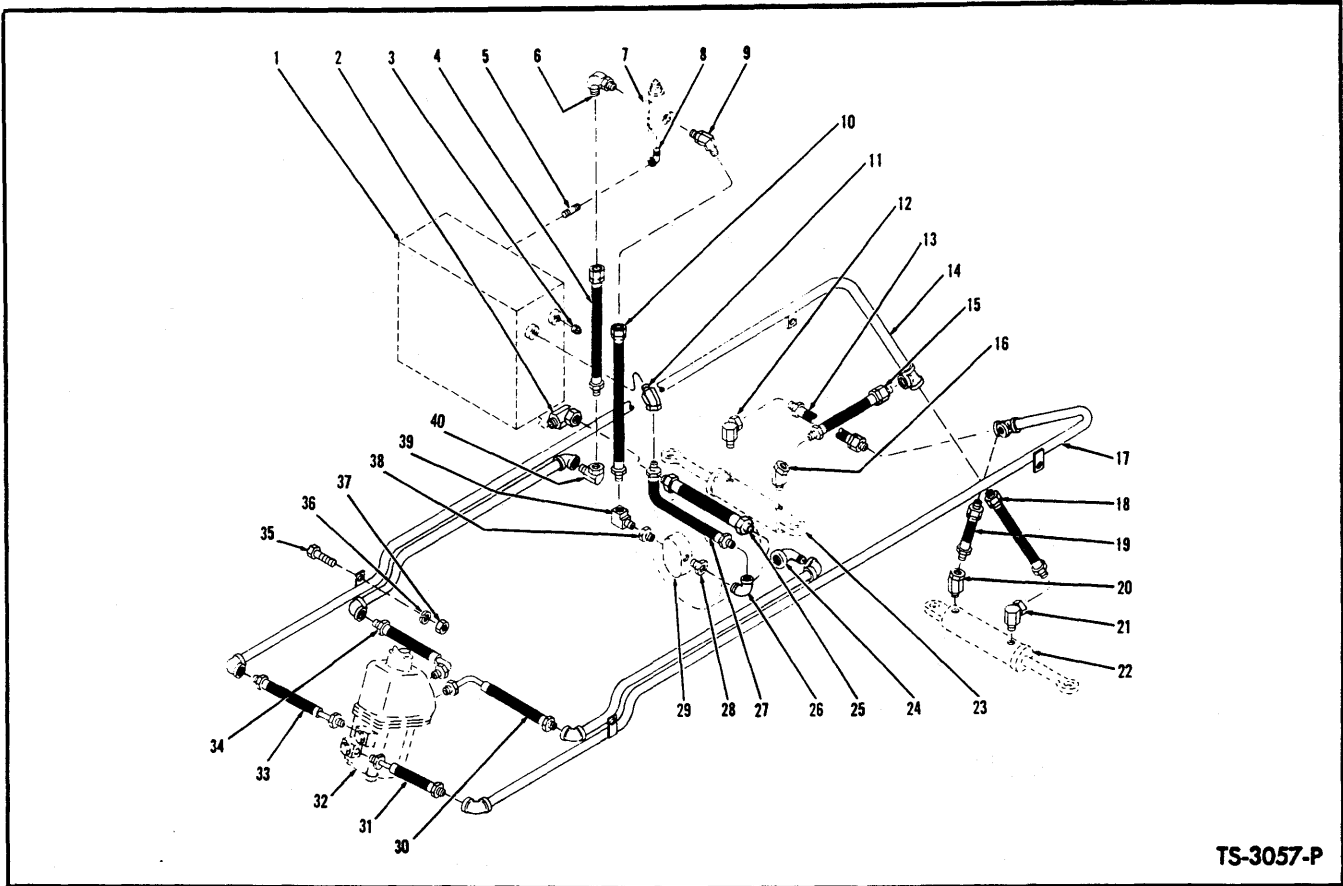


HYDRAULIC SYSTEM — STEERING — MODEL 55A

For Serial 3726 thru 3855, 1BCO134 thru 1BCO232

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	HYDRAULIC OIL RESERVOIR (See Index)	—	19	—	STEERING CYLINDER (See Index)	—
2	712766	HOSE, Relief Valve to Elbow	1	20	33F-4	ADAPTER UNION, Pipe to Hose	1
3	5K-611	NIPPLE, Relief Valve to Reservoir	1	21	26F-5	ELBOW, Hose to Pump	1
4	16F-08	PLUG, Relief Valve	1	22	356621	REDUCER, Elbow to Pump	1
5	—	PRESSURE RELIEF VALVE (See Index)	—	23	—	TORQUE CONVERTER (See Index)	—
6	550804	HOSE, Relief Valve to Pump	1	24	—	CONVERTER PUMP (See Index)	—
7	33F-5	ADAPTER UNION, Reservoir to Hose	1	25	525327	PIPE, Steering—L.H.	1
8	712647	HOSE, Reservoir to Pump	1	26	525333	HOSE, Pipe to Steering Gear	1
9	672806	HOSE, Reservoir to Pipe	1	27	525332	HOSE, Pipe to Steering Gear	1
10	662026	ELBOW, Hose to Cylinder	1	28	—	STEERING GEAR (See Index)	—
11	—	STEERING CYLINDER (See Index)	—	29	524863	HOSE, Pipe to Steering Gear	1
12	33F-4	ADAPTER UNION, Hose to Cylinder	1	30	524864	HOSE, Pipe to Steering Gear	1
13	550808	HOSE, Pipe to Cylinder	1	31	2D-06	NUT, Pipe Attaching	4
14	550873	HOSE, Pipe to Cylinder	1	32	4E-06	LKWSHR, Pipe Attaching	4
15	550873	HOSE, Pipe to Cylinder	1	33	2C-618	BOLT, Pipe Attaching	4
16	550808	HOSE, Pipe to Cylinder	1	34	525320	PIPE, Steering—R.H.	1
17	33F-4	ADAPTER UNION, Hose to Cylinder	1	35	356617	REDUCER, Pump to Elbow	1
18	662026	ELBOW, Hose to Cylinder	1	36	29F-3	ELBOW, Reducer to Hose	1
				37	31F-4	ADAPTER UNION, Pipe to Hose	1

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



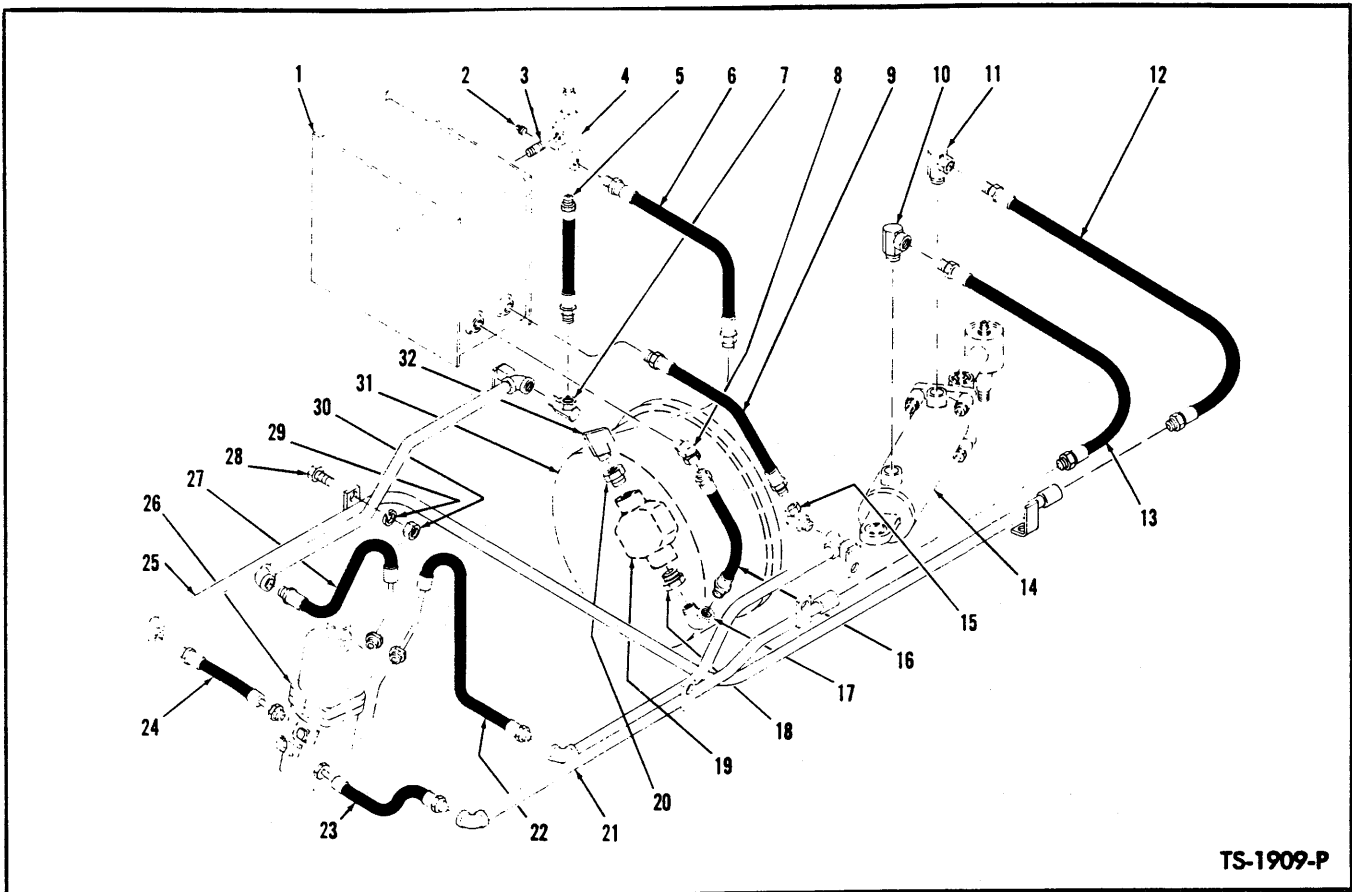
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HYDRAULIC SYSTEM – STEERING – MODEL 55A

For Serial 1BCO233 thru 1BCO282, 2BCO1 thru 2BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	HYDRAULIC OIL RESERVOIR (See Index)	—	21	662026	ADAPTER	1
2	711053	ADAPTER	1	22	—	STEERING CYLINDER (See Index)	—
3	13F-08	PLUG, Reservoir	1	23	—	STEERING CYLINDER (See Index)	—
4	675015	HOSE, Relief Valve to Pipe	1	24	26F-4	ELBOW, Hose to Pipe	1
5	5K-616	NIPPLE, Relief Valve to Reservoir	1	25	672806	HOSE, Control Valve to Pipe	1
6	17K-7	ELBOW, Hose to Relief Valve	1	26	26F-5	ELBOW, Hose to Pump	1
7	—	PRESSURE RELIEF VALVE (See Index)	—	27	712647	HOSE, Reservoir to Pump	1
8	26F-5	ELBOW, Relief Valve to Nipple	1	28	356621	BUSHING, Elbow to Pump	1
9	18K-7	ELBOW, Hose to Relief Valve	1	29	—	STEERING PUMP (See Index)	—
10	675016	HOSE, Pump to Relief Valve	1	30	525333	HOSE, Pipe to Steering Gear	1
11	33F-5	ADAPTER	1	31	525332	HOSE, Pipe to Steering Gear	1
12	662026	ADAPTER	1	32	—	STEERING GEAR (See Index)	—
13	550873	HOSE, Pipe to Cylinder	1	33	524863	HOSE, Pipe to Steering Gear	1
14	525320	PIPE, Steering – R.H.	1	34	524864	HOSE, Pipe to Steering Gear	1
15	550808	HOSE, Pipe to Cylinder	1	35	2C-618	BOLT, Pipe Attaching	4
16	33F-4	ADAPTER	1	36	4E-06	LKWSHR, Pipe Attaching	4
17	525327	PIPE, Steering – L.H.	1	37	2D-06	NUT, Pipe Attaching	4
18	550873	HOSE, Pipe to Cylinder	1	38	356617	BUSHING, Adapter to Pump	1
19	550808	HOSE, Pipe to Cylinder	1	39	29F-3	ADAPTER	1
20	33F-4	ADAPTER	1	40	31F-4	ADAPTER, Control Valve to Hose	1

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



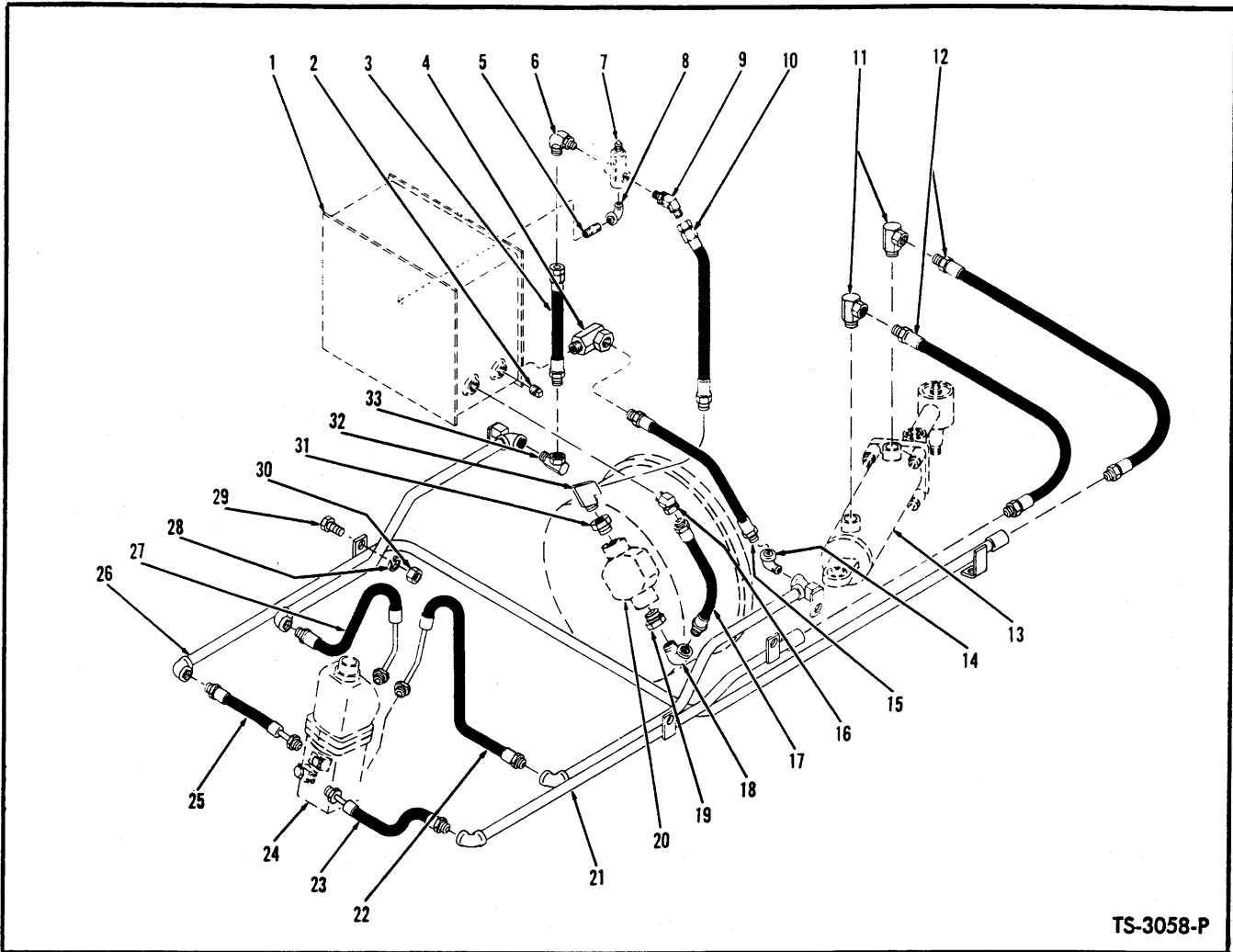
TS-1909-P

HYDRAULIC SYSTEM — STEERING — MODEL 55B

For Serial 50BC01 thru 50BC07

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	HYDRAULIC OIL RESERVOIR (See Index) -----	—	17	26F-5	ELBOW, Hose to Pump -----	1
2	16F-08	PLUG, Relief Valve -----	1	18	356621	REDUCER, Elbow to Pump -----	1
3	5K-611	NIPPLE, Relief Valve to Reservoir ----	1	19	-----	STEERING PUMP, Hydraulic (See Index) -----	—
4	-----	PRESSURE RELIEF VALVE (See Index) ---	—	20	356617	REDUCER, Pump to Elbow -----	1
5	712766	HOSE, Relief Valve to Pipe -----	1	21	509729	PIPE, Steering—L.H. -----	1
6	550804	HOSE, Relief Valve to Pump -----	1	22	525333	HOSE, Pipe to Steering Gear—L.H. ..	1
7	31F-4	ADAPTER UNION, Pipe to Hose -----	1	23	525332	HOSE, Pipe to Steering Gear—L.H. ..	1
8	33F-5	ADAPTER UNION, Reservoir to Hose	1	24	524863	HOSE, Pipe to Steering Gear—R.H. ..	1
9	672806	HOSE, Reservoir to Pipe -----	1	25	509725	PIPE, Steering—R.H. -----	1
10	31F-4	ADAPTER UNION, Hose to Cylinder..	1	26	-----	STEERING GEAR ASSY (See Index) ..	—
11	31F-4	ADAPTER UNION, Hose to Cylinder..	1	27	524864	HOSE, Pipe to Steering Gear—R.H.	1
12	550808	HOSE, Pipe to Cylinder -----	1	28	2C-618	BOLT, Pipe Attaching -----	6
13	550808	HOSE, Pipe to Cylinder -----	1	29	4E-06	LKWSHR, Pipe Attaching -----	6
14	-----	STEERING CYLINDER (See Index) ----	—	30	2D-06	NUT, Pipe Attaching -----	6
15	33F-4	ADAPTER UNION, Pipe to Hose -----	1	31	-----	TORQUE CONVERTER (See Index) ---	—
16	712647	HOSE, Reservoir to Pump Suction	1	32	29F-3	ELBOW, Reducer to Hose -----	1

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



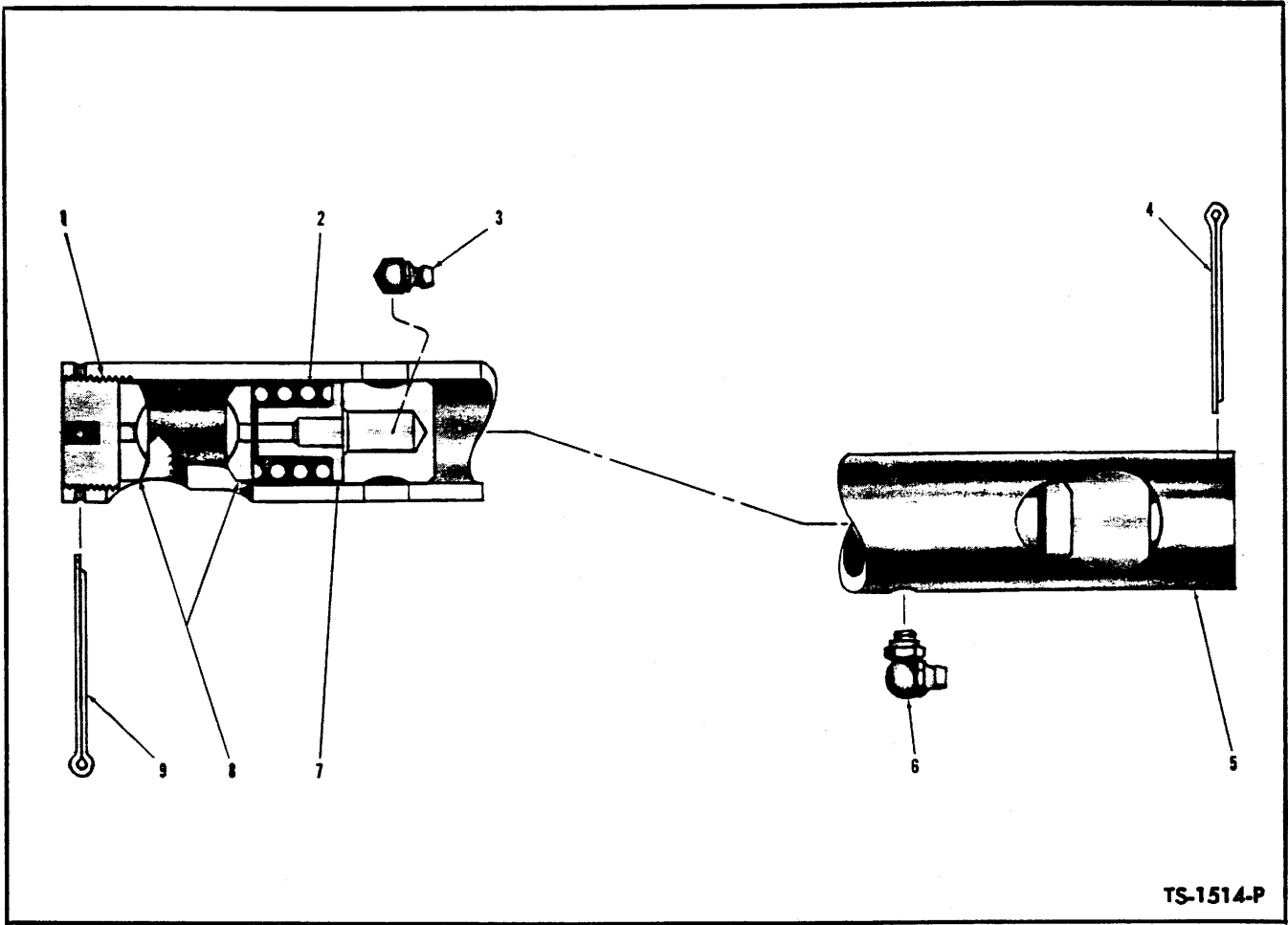
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HYDRAULIC SYSTEM — STEERING — MODEL 55B

For Serial 50BC08 thru 50BC0999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	HYDRAULIC OIL RESERVOIR (See Index)	—	17	712647	HOSE, Reservoir to Pump — Suction	1
2	13F-08	PLUG, Reservoir	1	18	26F-5	ELBOW, Hose to Pump	1
3	675015	HOSE, Relief Valve to Pipe	1	19	356621	BUSHING, Elbow to Pump	1
4	711053	ADAPTER	1	20	—	STEERING PUMP (See Index)	—
5	5K-616	NIPPLE, Relief Valve to Reservoir	1	21	509729	PIPE, Steering — L.H.	1
6	17K-7	ELBOW, Hose to Relief Valve	1	22	525333	HOSE, Pipe to Steering Gear	1
7	—	PRESSURE RELIEF VALVE (See Index)	—	23	525332	HOSE, Pipe to Steering Gear	1
8	26F-5	ELBOW, Relief Valve to Nipple	1	24	—	STEERING GEAR (See Index)	—
9	18K-7	ELBOW, Hose to Relief Valve	1	25	524863	HOSE, Pipe to Steering Gear	1
10	675016	HOSE, Relief Valve to Pump	1	26	509725	PIPE, Steering — R.H.	1
11	31F-4	ADAPTER	2	27	524864	HOSE, Pipe to Steering Gear	1
12	550808	HOSE, Pipe to Cylinder	2	28	4E-06	LKWSHR, Pipe Attaching	6
13	—	STEERING CYLINDER (See Index)	—	29	2C-618	BOLT, Pipe Attaching	6
14	26F-4	ELBOW, Hose to Pipe	1	30	2D-06	NUT, Pipe Attaching	6
15	672806	HOSE, Control Valve to Pipe	1	31	356617	BUSHING, Elbow to Pump	1
16	33F-5	ADAPTER	1	32	29F-3	ELBOW, Hose to Pump	1
				33	31F-4	ADAPTER	1

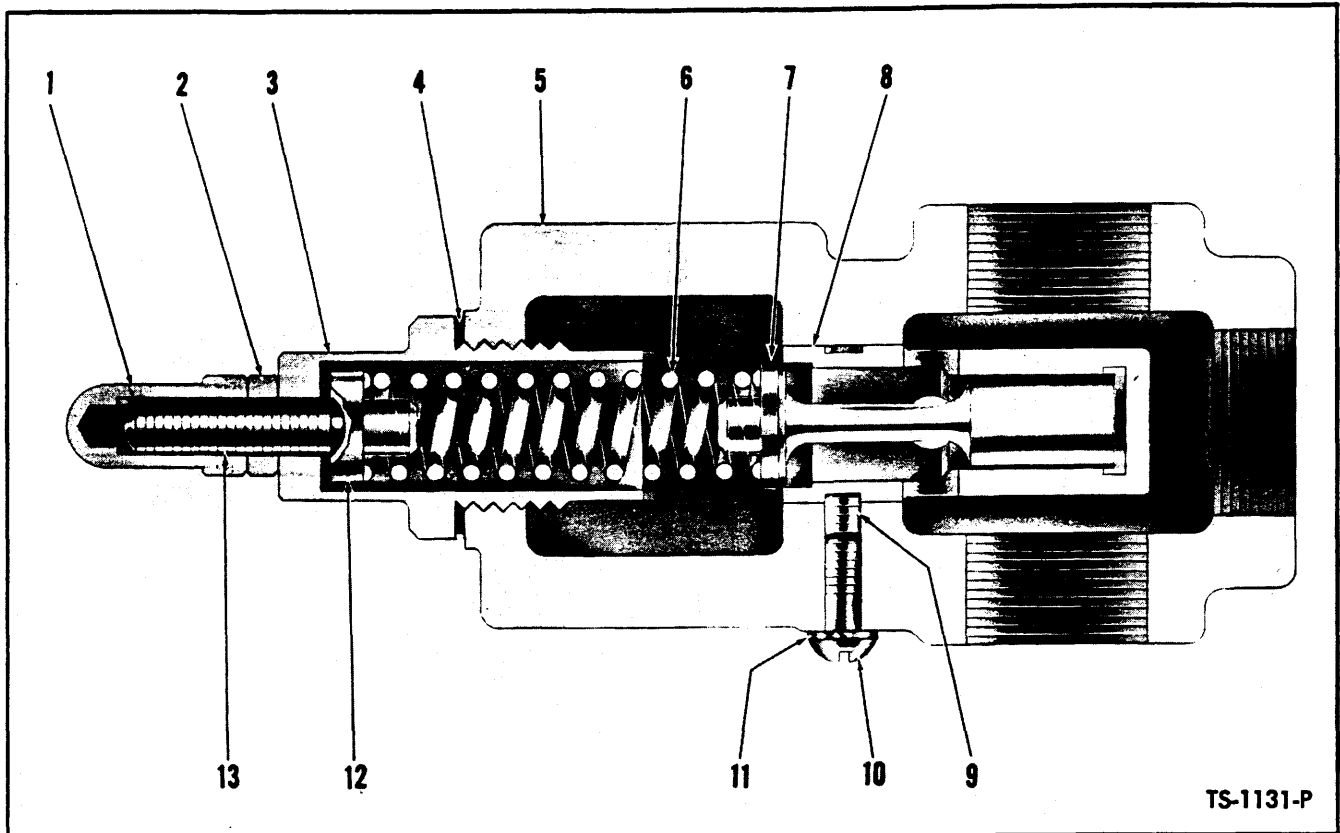
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



DRAG LINK ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
1	940604	PLUG, Adjusting	2
2	940605	SPRING	2
3	12H-15	FITTING, Grease	1
4	1F-432	COTTER	1
5		DRAG LINK ASSY (Inc. 1, 2, 7, 8)	
5A	528373	For Model 55A	1
5B	509560	For Model 55B	1
6	12H-15	FITTING, Grease	1
7	940606	PLUG, Spring	2
8	940015	SEAT, Ball Stud	4
9	1F-432	COTTER	1

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



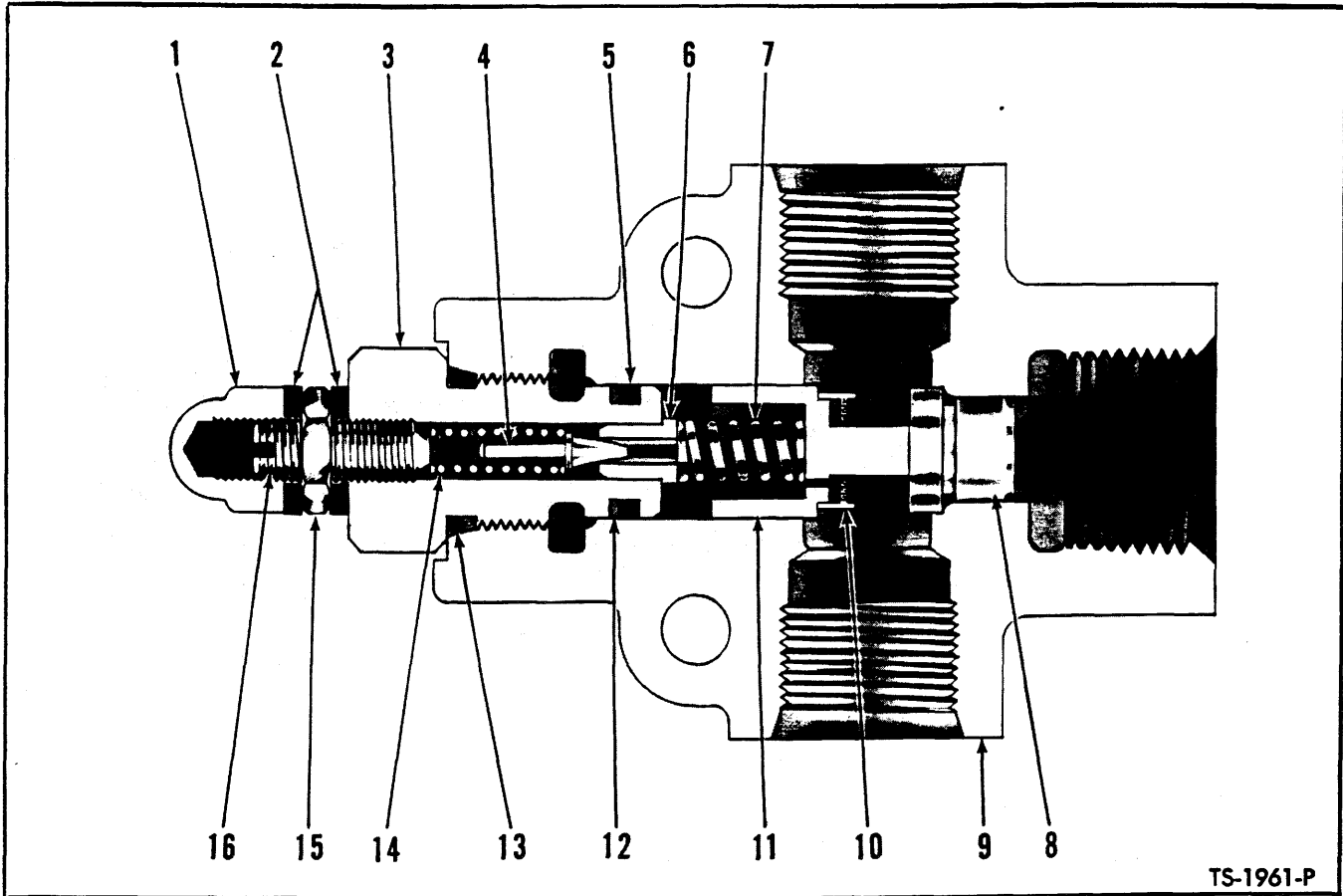
PRESSURE RELIEF VALVE — STEERING SYSTEM

For Serial: 55A — 3726 thru 3855, 1BCO134 thru 1BCO232
55B — 50BCO1 thru 50BCO7

Item No.	Part No.	Description	No. Req'd.
A	356022	*VALVE ASSY (Inc. 1 thru 13)	1
1	863045	NUT, Acorn	1
2	8D-06	NUT, Jam	1
3	958206	CAP, Valve	1
4	25K-40028	"O" RING, Cap	1
5	944005	HOUSING	1
6	944008	SPRING	1
7	940612	PLUNGER	1
8	940611	SEAT, Valve	1
9	15G-505	SET SCREW, Relief Valve Seat	1
10	863052	SCREW, Relief Valve Seat	1
11	863053	GASKET, Screw	1
12	958204	GUIDE, Spring	1
13	863046	SCREW, Adjusting	1

*NOTE: For complete replacement 1—2305159 Valve, plus 2—19F-9 Bushing will also be needed.

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



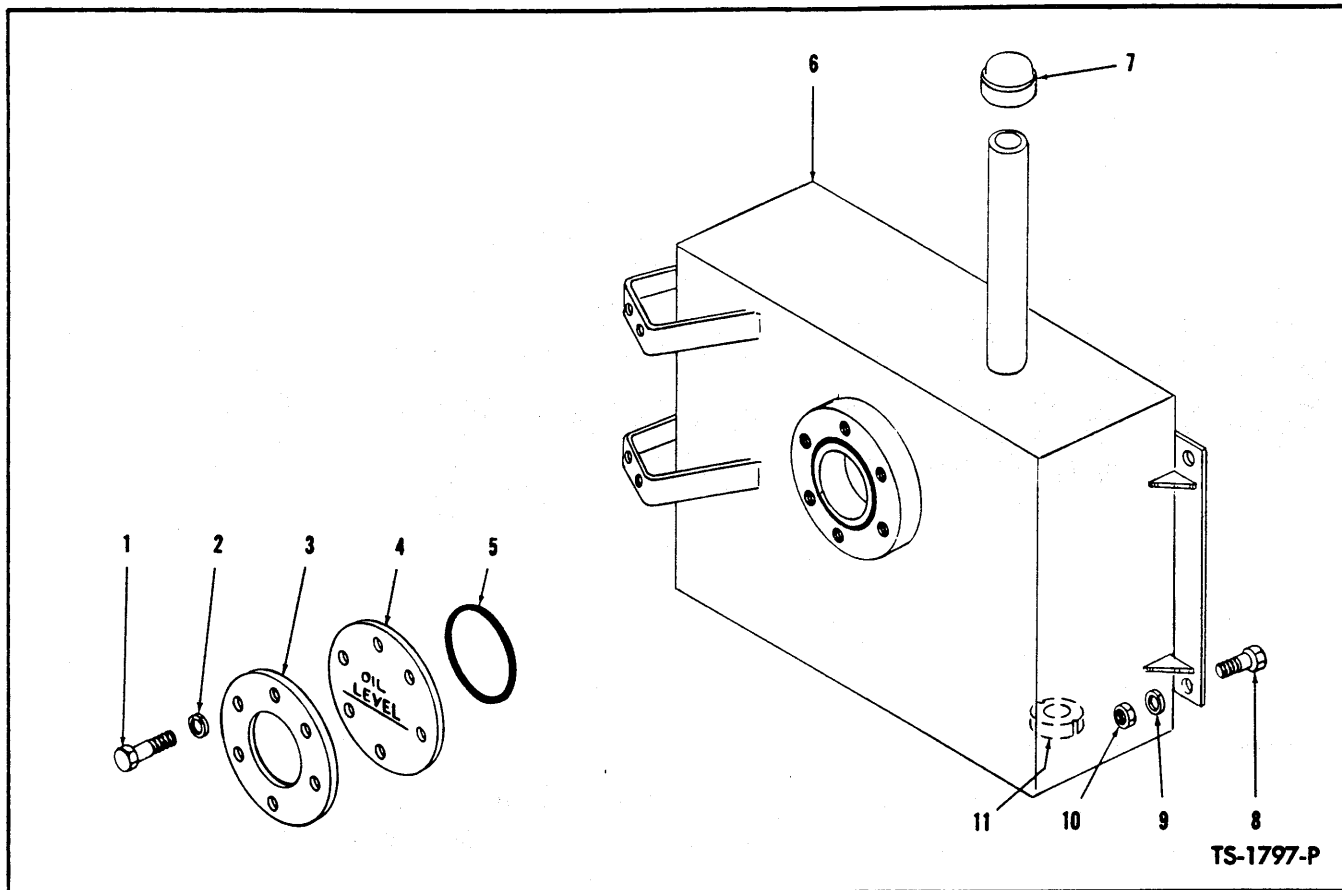
PRESSURE RELIEF VALVE — STEERING SYSTEM

For Serial: 55A — 1BCO233 thru 1BCO282, 2BCO1 thru 2BCO999
55B — 50BCO8 thru 50BCO999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		VALVE ASSY		9		§BODY, Valve — See "C"	1
B	531080	*Parker No. VPR3-P-2F (Inc. 1 thru 16)	1	10		SCREEN, Poppet	
C	536539	Parker No. VPR3-P-4F (Inc. 1 thru 17)	1	10A		§ For 531080 (Parker No. VPR3-P-2F) Valve — See 11	1
1	47D-05	NUT, Acorn	1	10B		§ For 536539 (Parker No. VPR3-P-4F) Valve — See 11	1
2	663792	WASHER, Stat-O-Seal	2	11		POPPET ASSY (Inc. 10)	
3	944467	CAP, Valve	1	11A	945375	For 531080 (Parker No. VPR3-P-2F) Valve	1
4	883734	PLUNGER, Pilot	1	11B	944643	For 536539 (Parker No. VPR3-P-4F) Valve	1
5	899039	"O" RING	1	12	899038	RING, Back-Up	1
6	944469	SEAT, Pilot	1	13	91F-6	"O" RING	1
7		SPRING, Relief		14	944471	SPRING, Pilot	1
7A	944466	For 531080 (Parker No. VPR3-P-2F) Valve	1	15	8D-05	NUT, Jam	1
7B	944646	For 536539 (Parker No. VPR3-P-4F) Valve	1	16	33G-514	SCREW, Adjusting	1
8		SEAT, Poppet		17	40K-02	†PLUG	2
8A	944462	For 531080 (Parker No. VPR3-P-2F) Valve	1				
8B	944645	For 536539 (Parker No. VPR3-P-4F) Valve	1				

*NOTE: For complete replacement of 531080 use 536539.
§Not Sold Separately
†Not Illustrated.

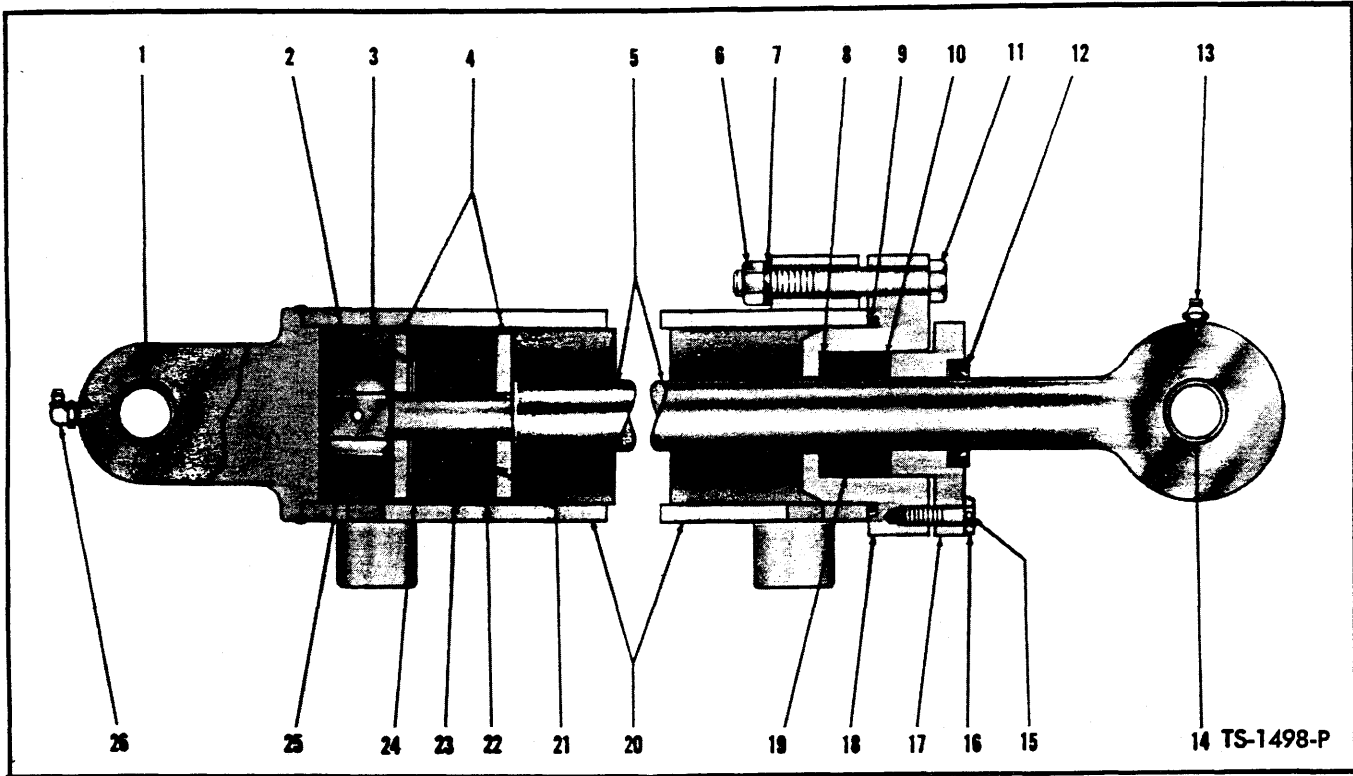
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC OIL RESERVOIR

Item No.	Part No.	Description	No. Req'd.
1	2C-616	BOLT, Inspection Cover	6
2	4E-06	LKWSHR, Inspection Cover	6
3	550398	RING, Inspection Cover Clamp	1
4	550389	COVER, Reservoir Inspection	1
5	25K-40428	"O" RING, Inspection Cover	1
6		<i>RESERVOIR, Hydraulic Oil (Inc. 1, 2, 3, 4, 5)</i>	
6A	526600	For Serial 3726 thru 3785	1
6B	527504	For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999 55B — 50BCO1 thru 50BCO999	1
7	604639	CAP, Reservoir Breather	1
8	2C-820	BOLT, Reservoir to Frame	3
9	4E-08	LKWSHR, Reservoir to Frame	3
10	2D-08	NUT, Reservoir to Frame	3
11	525293	MAGNET	1

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



STEERING CYLINDER ASSEMBLY – MODEL 55A

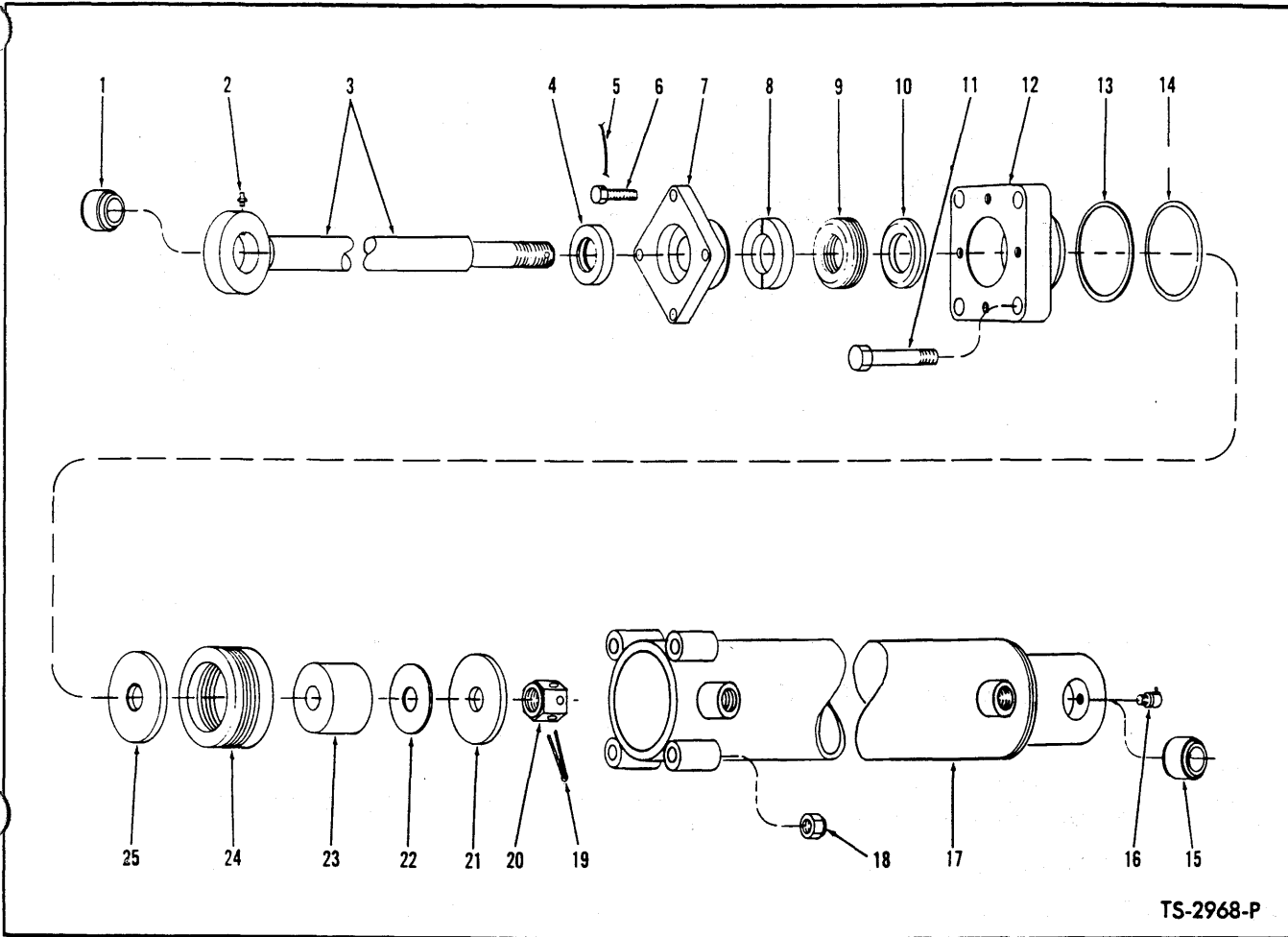
2 Cylinders Used on Machine – Quantity Indicated is for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.
A	526406	*CYLINDER ASSY (Inc. 1 thru 26) ...	1
B	2523424	KIT (Inc. 2, 3, 8 thru 10, 19, 22 thru 24) - See Note "B"	1
1	763451	BUSHING, Cylinder	1
2	1F-424	COTTER, Piston Rod Nut	1
3	---	‡SHIM, Chevron Backing Plate – See B	—
4	526423	PLATE, Chevron Backing	2
5	545155	ROD, Piston	1
6	68D-06	NUT, Cylinder Cap	4
7	4E-06	LKWSHR, Cylinder Cap	4
8	---	§ADAPTER, Male – See 19	2
9	---	§"O" RING, Cylinder Cap – See B	1
10	---	§ADAPTER, Female – See 19	2
11	18C-652	BOLT, Cylinder Cap	4
12	526415	SEAL, Piston Rod Oil	1
13	10H-25	FITTING, Piston Rod Grease	1
14	763451	BUSHING, Piston Rod	1
15	---	LOCKWIRE, Packing Gland Bolt (16 ga x 13" lg)	2

Item No.	Part No.	Description	No. Req'd.
16	4C-414	BOLT, Packing Gland	4
17	526414	GLAND, Packing	1
18	526413	**CAP, Cylinder	1
19	2501105	PACKING SET, (Inc. 8, 9)	1
20	526407	CYLINDER – See Note "A"	1
21	526422	SLEEVE, Piston	1
22	---	§ADAPTER, Female Chevron Packing See 23	1
23	---	§PACKING SET, Piston (Inc. 22, 24) See B	1
24	---	§ADAPTER, Male Chevron Packing See 23	1
25	523325	NUT, Piston Rod	1
26	12H-25	FITTING, Cylinder Grease	1
27	18C-1244	†BOLT, Cylinder Pivot	2
28	86D12	†NUT, Cylinder Pivot Lock	2

‡As Required
§Not Sold Separately
†Not Illustrated

*NOTE: For complete replacement of 526406 Cylinder Assy use 532943 Cylinder Assy.
**NOTE: For replacement of 526413 Cap use 945118 Cap Assy. 945118 Cap Assy includes 1-58K-228 O-Ring and 1-532948 Back-Up Ring.
NOTE A: For replacement of 526407 Cylinder use 532944 plus 1-945118 Cap Assy, 4-18C-652 & 4-68D-06 Nuts.
NOTE B: For reference see Service Gram S.G.-597.



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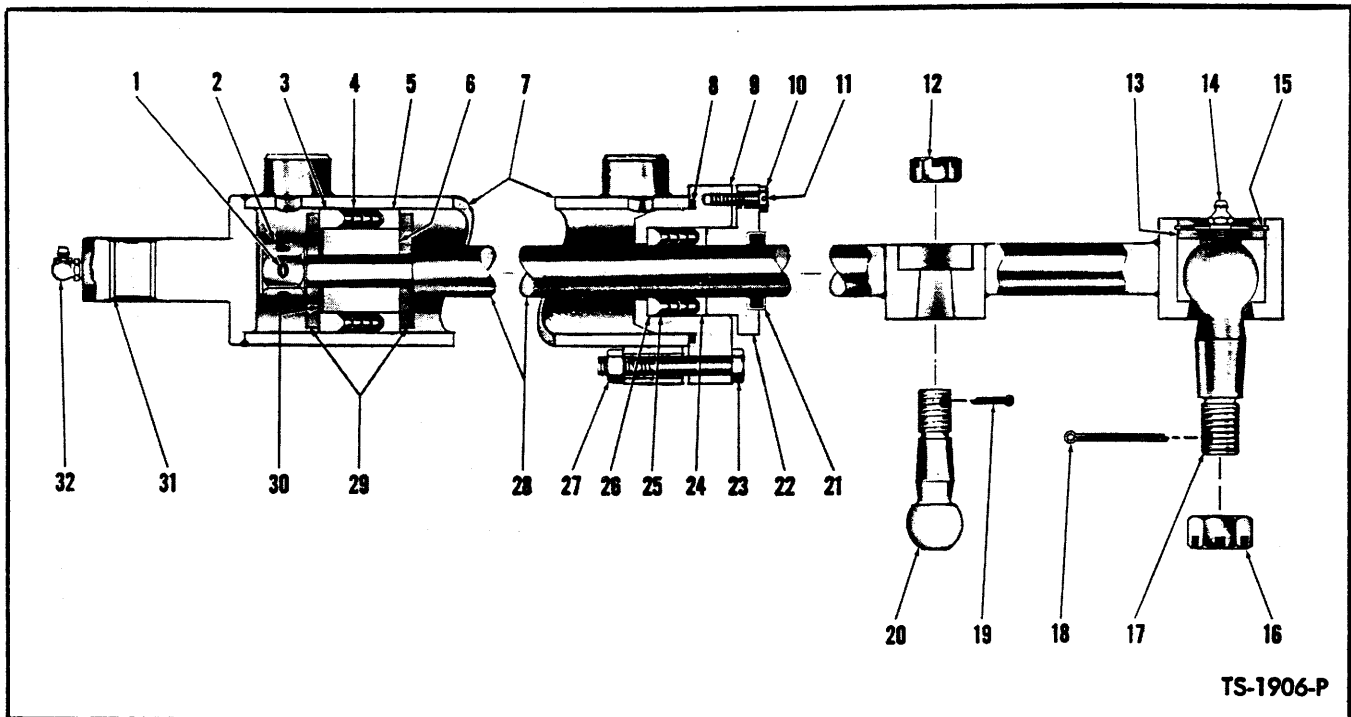
STEERING CYLINDER ASSEMBLY

2 Cylinders used on machine – Quantities listed below are for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	532943	CYLINDER ASSY (Inc. 1 thru 25) ...	1	13	-----	§ RING, "O" Ring Backup – See B ...	1
B	2523424	*KIT (Inc. 8 thru 10, 13, 14, 19, 22, 24)	1	14	-----	§ "O" RING, Cylinder Cap – See B ...	1
1	763451	BUSHING, Piston Rod	1	15	763451	BUSHING, Cylinder	1
2	10H-35	FITTING, Piston Rod Grease	1	16	12H-25	FITTING, Cylinder Grease	1
3	545155	ROD, Piston	1	17	532944	CYLINDER	1
4	526415	SEAL, Piston Rod	1	18	68D-06	NUT, Cap to Cylinder	4
5	-----	LOCKWIRE (16 ga-13" lg)	2	19	1F-424	COTTER, Piston Rod Nut	1
6	4C-414	BOLT, Gland to Cap	4	20	523325	NUT, Piston Rod	1
7	516414	GLAND, Packing	1	21	526423	PLATE, Backing	1
8	-----	§ ADAPTER, Female – See 9	2	22	-----	§ ‡ SHIM – See B	—
9	2501105	PACKING SET (Inc. 8, 10)	1	23	526422	SLEEVE	1
10	-----	§ ADAPTER, Male – See 9	2	24	-----	§ PACKING SET, Piston – See B	1
11	18C-652	BOLT, Cap to Cylinder	4	25	526423	PLATE, Backing	1
12	945118	CAP, Cylinder (Inc. 13, 14)	1	26	18C-1244	† BOLT, Cylinder Pivot	2
				27	86D12	† NUT, Cylinder Pivot Lock	2

‡As Required
†Not Illustrated

*NOTE: For reference see Service Gram S.G.-597



TS-1906-P

STEERING CYLINDER ASSEMBLY — MODEL 55B

NOTE: Only One Cylinder Used on Machine

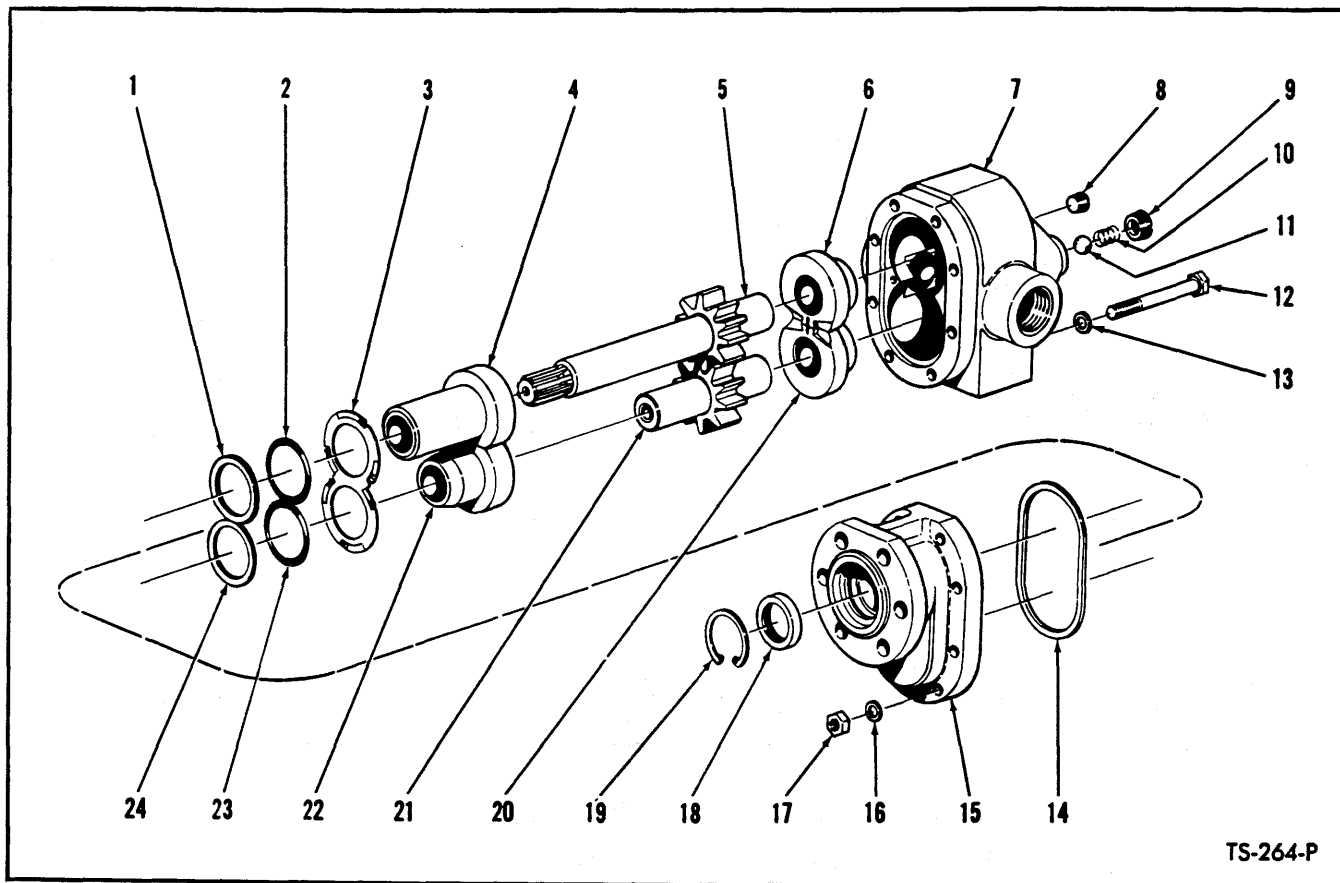
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	509569	CYLINDER ASSY (Inc. 1 thru 11, 13, 14, 15, 17, 21 thru 32)	1	16	4D-12	NUT, Ball Stud	1
B	2523424	² KIT (Inc. 1, 3 thru 5, 8, 24 thru 26, 30)	1	17	117228	BALL STUD	1
1	1F-424	COTTER, Piston Rod Nut	1	18	1F-428	COTTER, Ball Stud	1
2	523325	NUT, Piston Rod	1	19	1F-332	COTTER, Ball Stud	1
3	----	§ ADAPTER, Male — See 4	1	20	513122	BALL STUD, Steering Cylinder to Drag Link	1
4	----	§ PACKING SET (Inc. 3, 5) — See B	1	21	526415	SEAL, Piston Rod Oil	1
5	----	§ ADAPTER, Female — See 4	1	22	526414	GLAND, Packing	1
6	526422	SLEEVE, Piston	1	23	18C-652	BOLT, Cylinder Cap	4
7	509570	CYLINDER	1	24	----	§ ADAPTER, Female — See 25	1
8	----	§ "O" RING, Cylinder Cap — See B	1	25	2501105	PACKING SET (Inc. 24, 26)	1
9	526413	*CAP, Cylinder	1	26	----	§ ADAPTER, Male — See 25	1
10	4C-414	BOLT, Packing Gland	4	27	68D-06	NUT, Cylinder Cap	4
11	28H-16100	LOCKWIRE, Packing Gland Bolt	2	28	509573	ROD, Piston	1
12	4D-10	NUT, Ball Stud to Drag Link	1	29	526423	PLATE, Chevron Backing	2
13	541879	**PLATE, Ball Stud Retaining	1	30	----	§ ‡ SHIM, Chevron Backing Plate — See B	—
14	OMIT	FITTING, Ball Stud Grease	—	31	763451	BUSHING, Cylinder	1
15	507695	RING, Ball Stud Retaining Snap	1	32	10H-25	FITTING, Cylinder Grease	1

§ Not Sold Separately ‡ As Required

*NOTE: For replacement of 526413 Cap use 945118 Cap Assy. 945118 Cap Assy includes 1-58K-228 O-Ring and 1-532948 Back-Up Ring.

**NOTE: For replacement use 815841 Retainer Plate Assy., which consists of 1-524066 Retainer Plate plus 1-10H-25 Grease Fitting.

²For reference see Service Gram S.G.-597.



TS-264-P

HYDRAULIC PUMP – STEERING

For Serial: 55A – 3726 thru 3855
55B – 50BC01 ONLY

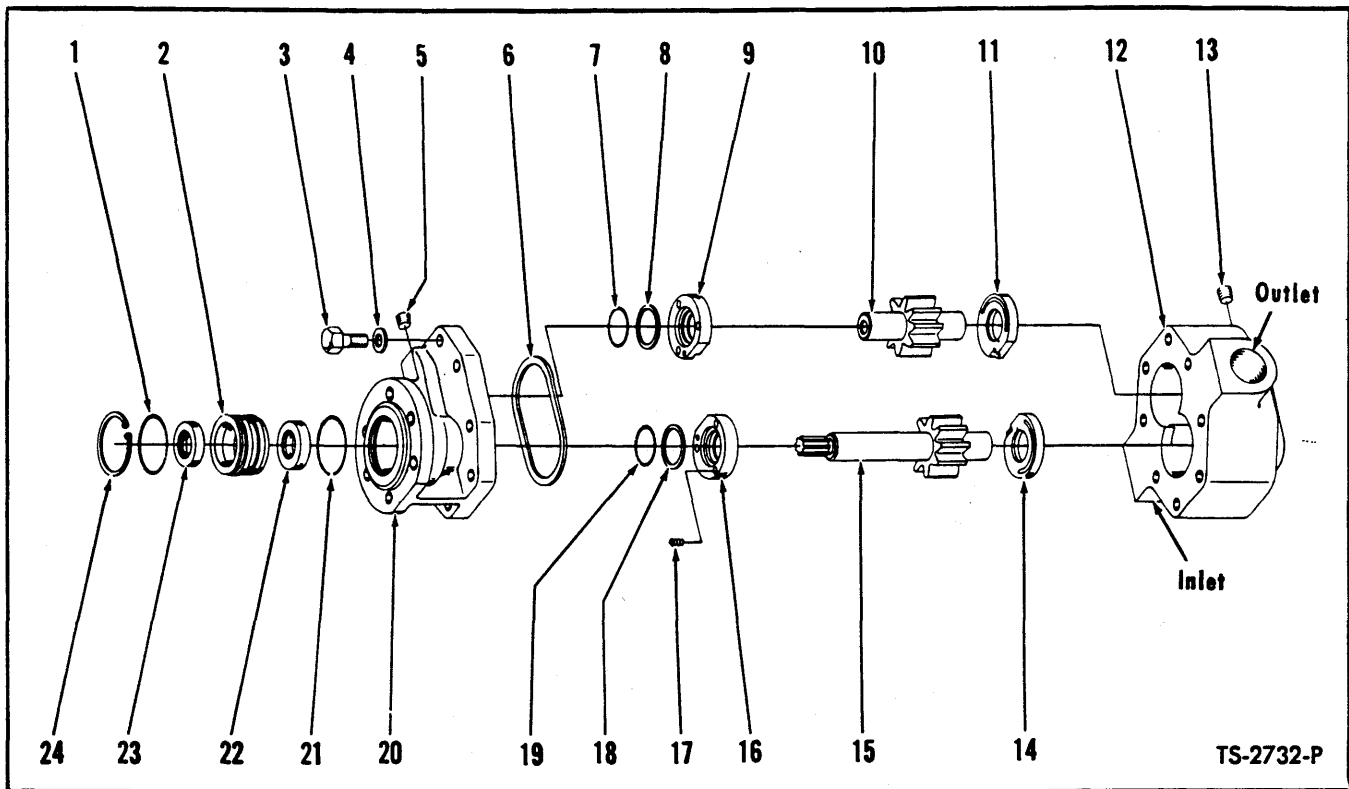
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	221450	*PUMP ASSY (Inc. 1 thru 24)	1	12		§BOLT, Cover to Body	8
B	942404	REPAIR KIT, Major (Inc. 1 thru 4, 6, 10 thru 14, 16 thru 20, 22, 23, 24)	1	13		§WASHER, Cover to Body	8
C	942403	REPAIR KIT, Minor (Inc. 1, 2, 14, 18, 19, 23, 24)	1	14		§GASKET, Cover	1
1		§WASHER, Back-Up	1	15		§COVER	1
2		§"O" RING	1	16		§WASHER, Cover to Body	8
3		§SPRING, Bearing	1	17		§NUT, Cover to Body	8
4		§BEARING, Cover – Drive	1	18		§SEAL, Shaft Oil	1
5		§GEAR, Drive	1	19		§RING, Seal Retaining	1
6		§BEARING, Body – Drive	1	20		§BEARING, Body – Driven	1
7		§BODY	1	21		§GEAR, Driven	1
8	16F-02	PLUG, Seal Chamber	1	22		§BEARING, Cover – Driven	1
9		§PLUG, Seal Relief	1	23		§"O" RING	1
10		§SPRING, Seal Relief	1	24		§WASHER, Back-Up	1
11		§BALL, Seal Relief	1	25	235961	†GASKET, Pump to Converter	1
				26	8D-06	†NUT, Pump to Converter	6
				27	4E-06	†LKWSHR, Pump to Converter	6

†Not Illustrated

§Not Sold Separately

*NOTE: When complete pump assy is replaced use 1521257 plus 1-235961 Gasket, 3-9E6 Lockwasher, 3-8D6 Nut, 3-103293 Washer, 1-1520566 Adapter Union, 1-91F10 "O"-Ring, 1-1522464 Adapter Union & 1-91F8 "O"-Ring.

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



HYDRAULIC PUMP – STEERING

For Serial: 55A – 1BC0134 thru 1BC0207
55B – 50BC02 thru 50BC07

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450012	*PUMP ASSY (Inc. 1 thru 24)	1	11	---	§THRUST PLATE, Body	1
B	498152	REPAIR KIT, Major (Inc. 9, 11, 14, 16)	1	12	---	§BODY (Inc. Bushings) (See Note "A")	1
C	498151	**REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 7, 8, 17, 18, 19, 21)	1	13	---	§PLUG, Body	1
D	498024	GEAR SET, Drive & Driven (Inc. 10, 15)	1	14	---	§THRUST PLATE, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 21 thru 24)	1	15	---	§GEAR, Drive	1
1	---	§"O" RING, Retainer	1	16	---	§THRUST PLATE, Cover	1
2	---	§RETAINER, Shaft Seal	1	17	---	§SPRING, Cover Thrust Plate	6
3	---	§BOLT, Cover to Body	8	18	---	§WASHER, "O" Ring Back-Up	1
4	---	§WASHER, Cover to Body	8	19	---	§"O" RING, Cover Thrust Plate	1
5	---	§PLUG, Cover	1	20	---	§COVER (Inc. Bushings) (See Note "A")	1
6	---	§GASKET, Cover	1	21	---	§"O" RING, Retainer	1
7	---	§"O" RING, Cover Thrust Plate	1	22	---	§SEAL, Inner Oil	1
8	---	§WASHER, Back-Up	1	23	---	§SEAL, Outer Oil	1
9	---	§THRUST PLATE, Cover	1	24	---	§RING, Seal Retainer	1
10	---	§GEAR, Driven	1	25	235961	†GASKET, Pump to Converter	1
				26	8D-06	†NUT, Pump to Converter	6
				27	4E-06	†LKWSHR, Pump to Converter	6

†Not Illustrated

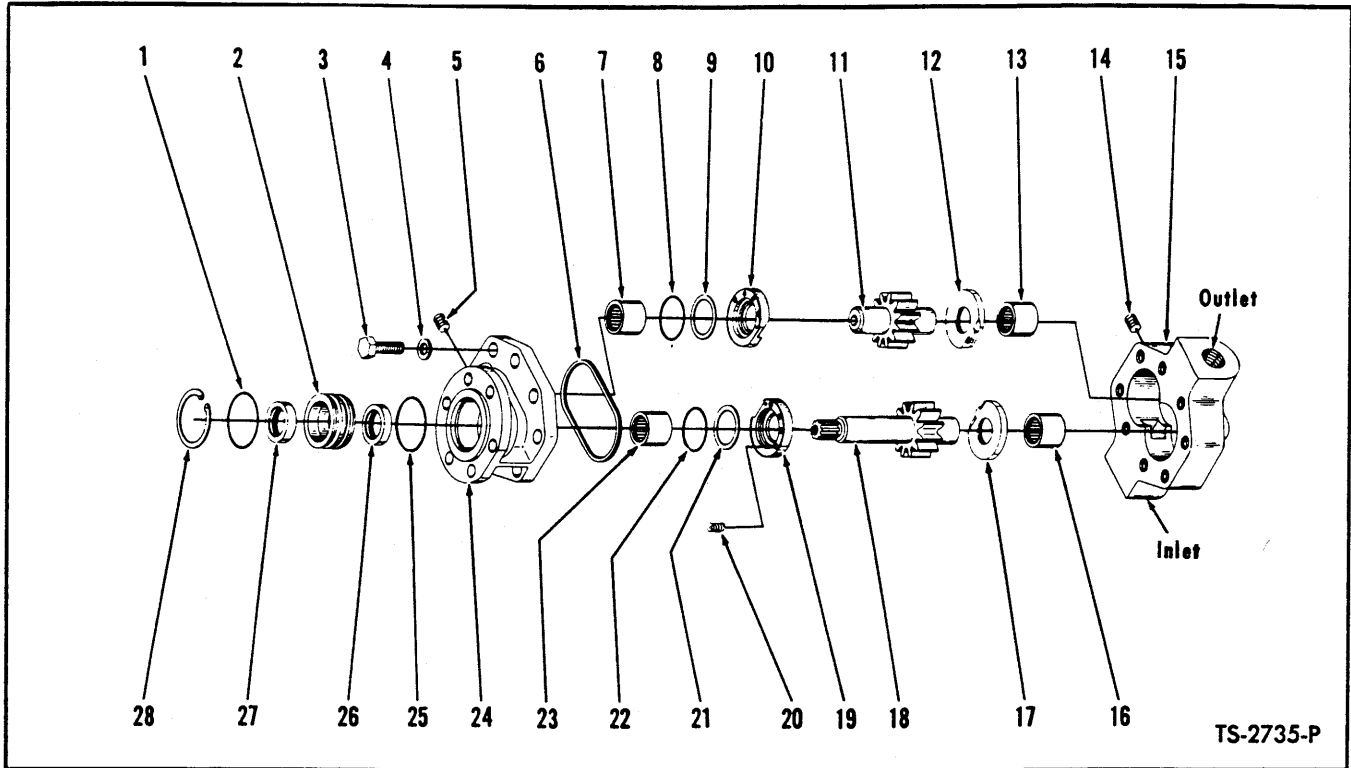
§ Not Sold Separately

*NOTE: When complete pump assy is replaced use 1521257 pump plus 1-235961 Gasket, 3-8D6 Nut, 1-1520566 Adapter Union, 3-9E6 Lockwasher, 3-103293 Washer, 1-91F10 O-Ring, 1-91F8 O-Ring.

**NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs, and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

NOTE "A": Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

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



HYDRAULIC PUMP – STEERING

**For Serial: 55A – 1BCO208 thru 1BCO282, 2BCO1 thru 2BCO999
55B – 50BCO8 thru 50BCO999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450072	***PUMP ASSY (Inc. 1 thru 28)	1	13	---	**§BEARING, Body	1
B	498128	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1	14	---	§PLUG, Body	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25)	1	15	---	**§BODY	1
D	498024	GEAR SET, Drive & Driven (Inc. 11, 18)	1	16	---	**§BEARING, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28)	1	17	---	§THRUST PLATE, Body	1
1	---	§"O" RING, Retainer	1	18	---	§GEAR, Drive	1
2	---	§RETAINER, Shaft Seal	1	19	---	§THRUST PLATE, Cover	1
3	---	§BOLT, Cover to Body	8	20	---	§SPRING, Cover Thrust Plate	6
4	---	§WASHER, Cover to Body	8	21	---	§WASHER, "O" Ring Back-Up	1
5	---	§PLUG, Cover	1	22	---	§"O" RING, Cover Thrust Plate	1
6	---	§GASKET, Cover	1	23	---	**§BEARING, Cover	1
7	---	**§BEARING, Cover – Driven	1	24	---	**§COVER	1
8	---	§"O" RING, Cover Thrust Plate	1	25	---	§"O" RING, Retainer	1
9	---	§WASHER, "O" Ring Back-Up	1	26	---	§SEAL, Inner Oil	1
10	---	§THRUST PLATE, Cover	1	27	---	§SEAL, Outer Oil	1
11	---	§GEAR, Driven	1	28	---	§RING, Seal Retaining	1
12	---	§THRUST PLATE, Body	1	29	214961	†SLEEVE, Pump Drive	1
				30	235961	†GASKET, Pump to Converter	1
				31	8D-06	†NUT, Pump to Converter	6
				32	4E-06	†LKWSHR, Pump to Converter	6

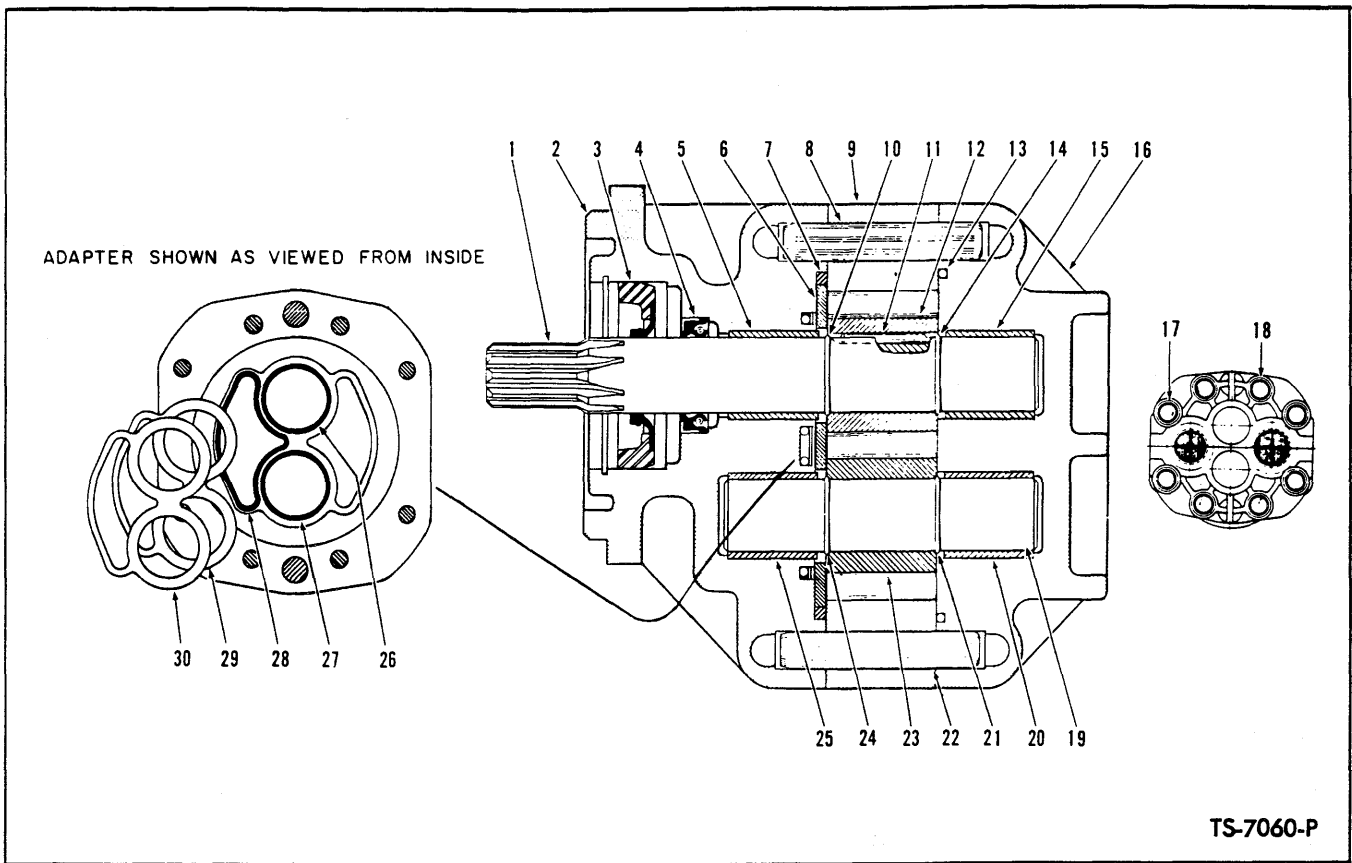
†Not Illustrated

§Not Sold Separately

*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

***NOTE: For complete replacement use 1521257 Pump plus 1-235961 Gasket, 3-8D6 Nut, 1-1520566 Adapter Union, 1-1522464 Adapter Union, 3-9E6 Lockwasher, 3-103293 Washer, 1-91F10 O-Ring, & 1-91F8 O-Ring.



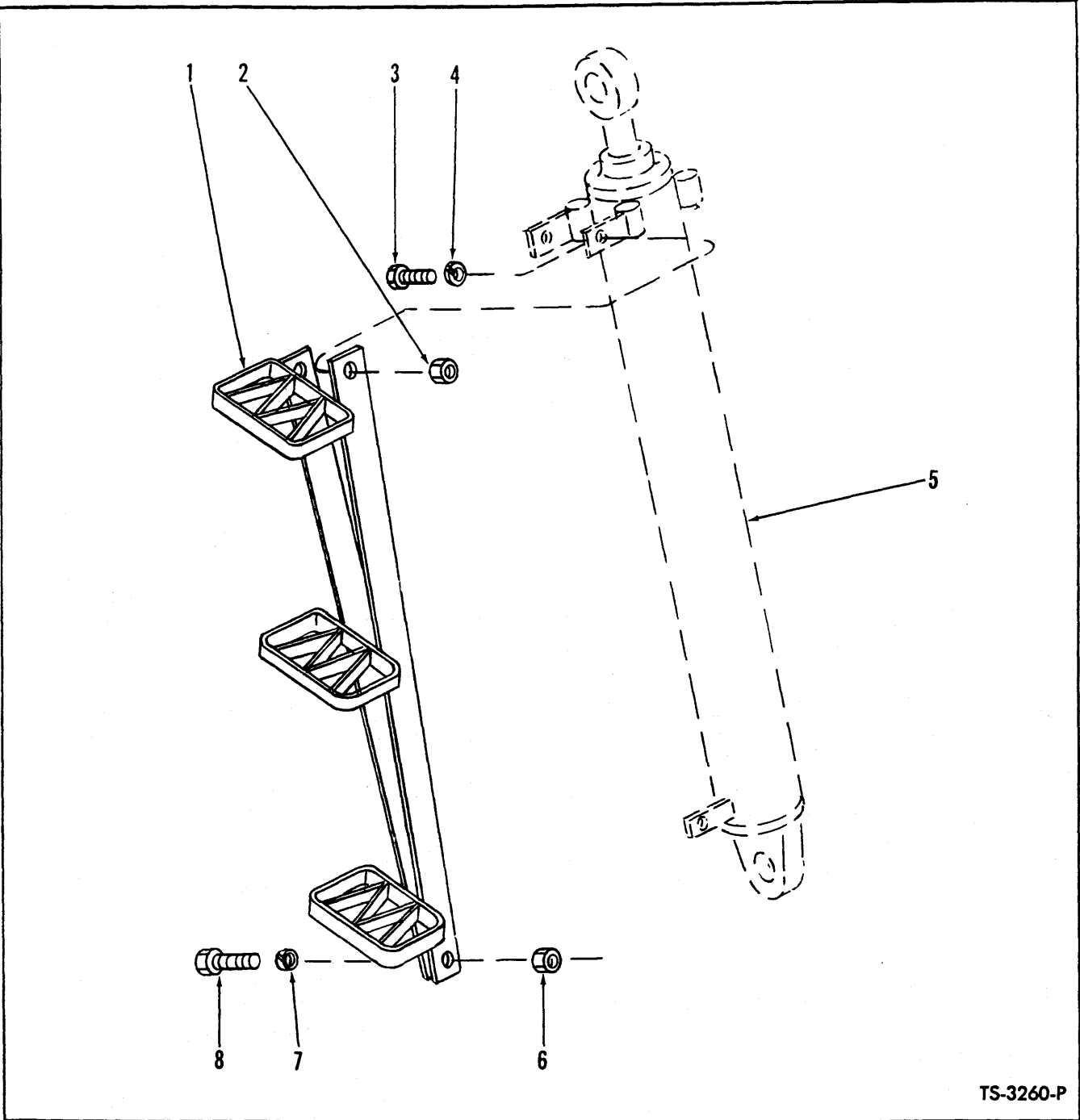
HYDRAULIC PUMP – STEERING

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1521257	*PUMP ASSY (Inc. 1 thru 30)	1	17	---	§BOLT, Cover to Housing	4
B	946483	SEAL KIT (Inc. 3, 4, 7, 13, 26 thru 30)	1	17A	---	§LKWSHR, Cover to Housing	4
1	---	§SHAFT, Drive	1	17B	---	§WASHER, Cover to Housing	4
2	---	§ADAPTER, Pump	1	18	---	§BOLT, Cover to Housing	4
3	---	§SEAL, Shaft	1	18A	---	§LKWSHR, Cover to Housing	4
4	---	§SEAL, Shaft	1	18B	---	§WASHER, Cover to Housing	4
5	---	§BUSHING, Shaft	1	19	---	§SHAFT, Drive	1
6	---	§WEAR PLATE	1	20	---	§BUSHING, Shaft	1
7	---	§"O" RING	1	21	---	§RING, Retaining	1
8	---	§DOWEL PIN	1	22	---	§DOWEL PIN	1
9	---	§HOUSING, Center Section	1	23	---	§GEAR, Driven	1
10	---	§RING, Retaining	1	24	---	§RING, Retaining	1
11	---	§DOWEL PIN	1	25	---	§BUSHING	1
12	---	§GEAR, Drive	1	26	---	§"O" RING	1
13	---	§"O" RING	1	27	---	§"O" RING	1
14	---	§RING, Retaining	1	28	---	§"O" RING	1
15	---	§BUSHING, Shaft	1	29	---	§RING, Back-up	1
16	---	§COVER, Pump	1	30	---	§RING, Back-up	1

§Not Sold Separately

*NOTE: The above listed pump, with the exception of the 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 REPLACEMENT PUMP, ALWAYS REFER TO PUMP REPLACEMENT CHART

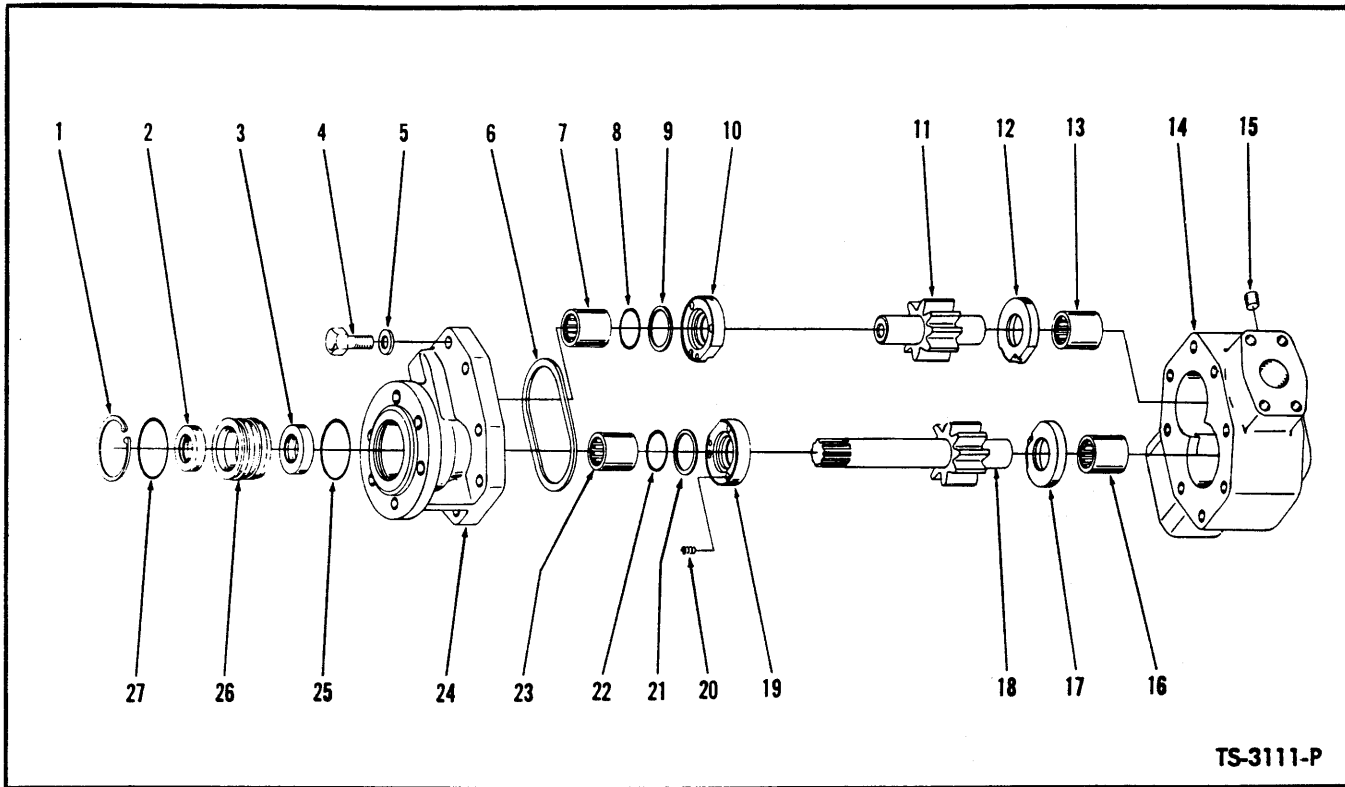


TS-3260-P

CYLINDER STEP ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
1	533667	STEP ASSY, Boom Cylinder	1
2	2D-08	NUT, Step to Cylinder Mounting	2
3	2C-820	BOLT, Step to Cylinder Mounting	2
4	4E-08	LKWSHR, Step to Cylinder Mounting	2
5	—	BOOM CYLINDER — (See Index)	—
6	2D-08	NUT, Step to Cylinder Mounting	1
7	4E-08	LKWSHR, Step to Cylinder Mounting	1
8	2C-824	BOLT, Step to Cylinder Mounting	1

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



TS-3111-P

HYDRAULIC PUMP — BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		PUMP ASSY (Inc. 1 thru 27)		10		§THRUST PLATE, Cover	1
B	450004	* For 55A — Serial 3726 thru 3785	1	11		§GEAR, Driven	1
C	450003	*For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999, 55B — 50BCO1 thru 50BCO999	1	12		§THRUST PLATE, Body	1
D	498130	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1	13		§BEARING, Body — Driven (See Note "A")	1
E	498129	**REPAIR KIT, Minor (Inc. 1, 4, 5, 6, 8, 9, 20, 21, 22, 25, 27)	1	14		§BODY (See Note "A")	1
F	498019	GEAR SET, Drive & Driven (Inc. 11, 18)	1	15		§PLUG, Body	1
G	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 3, 25, 26, 27)	1	16		§BEARING, Body — Drive (See Note "A")	1
1		§RING, Seal Retainer Retaining	1	17		§THRUST PLATE, Body	1
2		§SEAL, Outer Shaft Oil	1	18		§GEAR, Drive	1
3		§SEAL, Inner Shaft Oil	1	19		§THRUST PLATE, Cover	1
4		§BOLT, Cover to Body	8	20		§SPRING, Cover Thrust Plate	1
5		§WASHER, Cover to Body	8	21		§WASHER, "O" Ring Back-Up	1
6		§GASKET, Cover to Body	1	22		§"O" RING, Cover Thrust Plate	1
7		§BEARING, Cover — Driven (See Note "A")	1	23		§BEARING, Cover — Drive (See Note "A")	1
8		§"O" RING, Cover Thrust Plate	1	24		§COVER (See Note "A")	1
9		§RING, "O" Ring Back-Up	1	25		§"O" RING, Retainer	1
				26		§RETAINER, Shaft Seal	1
				27		§"O" RING, Retainer	1
				28	235961	†GASKET, Pump to Converter	1
				29	8D-06	†NUT, Pump to Converter	1
				30	4E-06	†LKWSHR, Pump to Converter	1

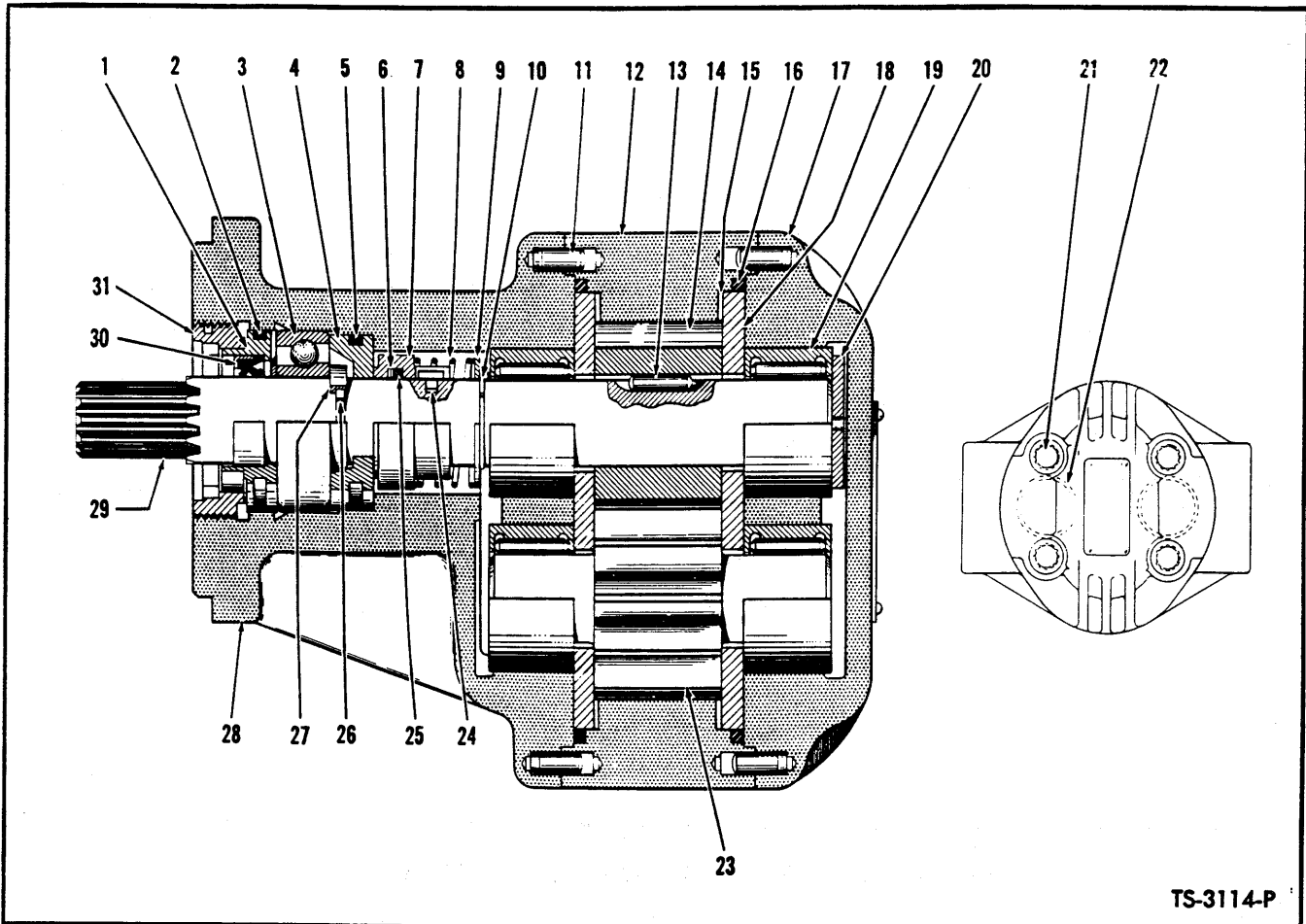
*NOTE: For complete replacement use 2522671 Pump.

**NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

NOTE "A": Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

§Not Sold Separately

†Not Illustrated

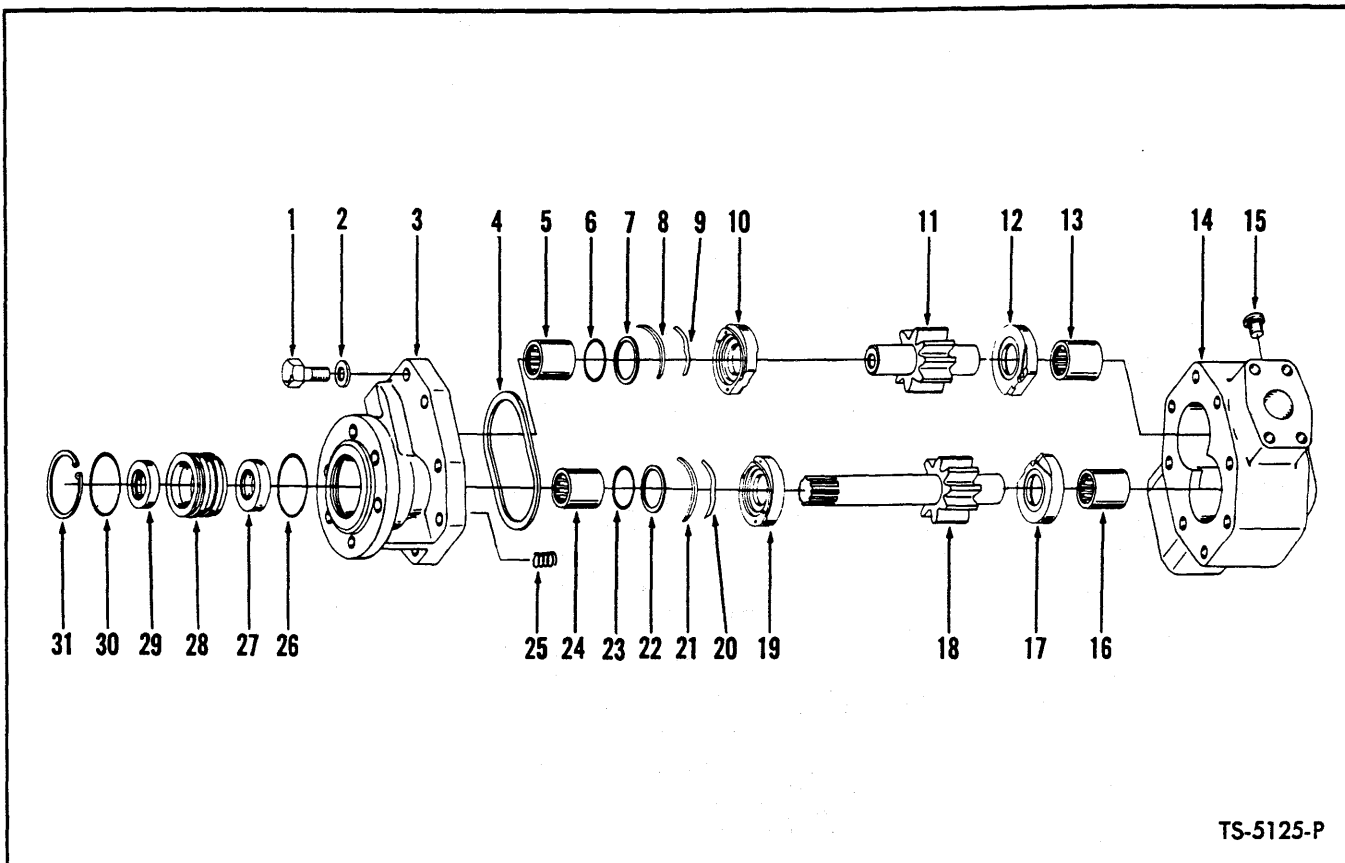


HYDRAULIC PUMP – BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	538319	PUMP ASSY (Inc. 1 thru 31)	1	12	944975	HOUSING, Pump Center Section	1
B	944814	REPAIR KIT, Minor (Inc. 2, 4, 5, 7, 10, 15, 16, 22, 24, 25, 30)	1	13	—	§PIN, Shaft to Gear Dowel — See E	1
C	944787	WEAR PLATE KIT (Inc. 15, 18)	1	14	—	§GEAR, Drive — See E	1
D	944777	BEARING KIT (Inc. 3, 19)	1	15	—	§SHIM, Wear Plate — See B & C	3
E	944820	GEAR & SHAFT KIT (Inc. 13, 14, 23, 29)	1	16	—	§"O" RING, Housing — See B	2
F	944794	SHAFT SEAL KIT (Inc. 2, 30)	1	17	—	§COVER, Pump — See A	1
1	884604	RETAINER, Shaft Inner Seal	1	18	—	§PLATE, Wear — See C	1
2	—	§"O" RING, Retainer — See B & F	1	19	—	§BEARING, Roller — See D	4
3	884605	BEARING, Shaft — See D	1	20	884614	WASHER, Drive Shaft Thrust	1
4	—	§SEAT ASSY, Seal (Inc. 5) — See B	1	21	12G-1052	BOLT, Cover & Housing to Adapter	4
5	—	§"O" RING, Seal Seat — See B	1	22	—	§"O" RING — See B	4
6	—	§WASHER, "O" Ring Back-Up—See B	1	23	—	§GEAR, Driven — See E	1
7	—	§SEAL ASSY, High Pressure (Inc. 6, 8, 9, 26, 27) — See B	1	24	—	§KEY, Drive — See B	1
8	—	§SPRING, High Pressure Seal — See B	1	25	—	§"O" RING, High Pressure Seal—See B	1
9	—	§WASHER, High Pressure Seal — See B	1	26	—	§RING, Drive Shaft Snap — See B	1
10	—	§RING, Seal Retaining — See B	1	27	—	§RETAINER, Shaft Snap Ring—See B	1
11	867753	PIN, Housing to Adapter & Cover Dowel	4	28	—	§ADAPTER, Pump — See A	1
				29	—	§SHAFT, Drive — See E	1
				30	—	§SEAL, Shaft — See B & F	1
				31	884602	RETAINER, Shaft Seal	1

§Not Sold Separately

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

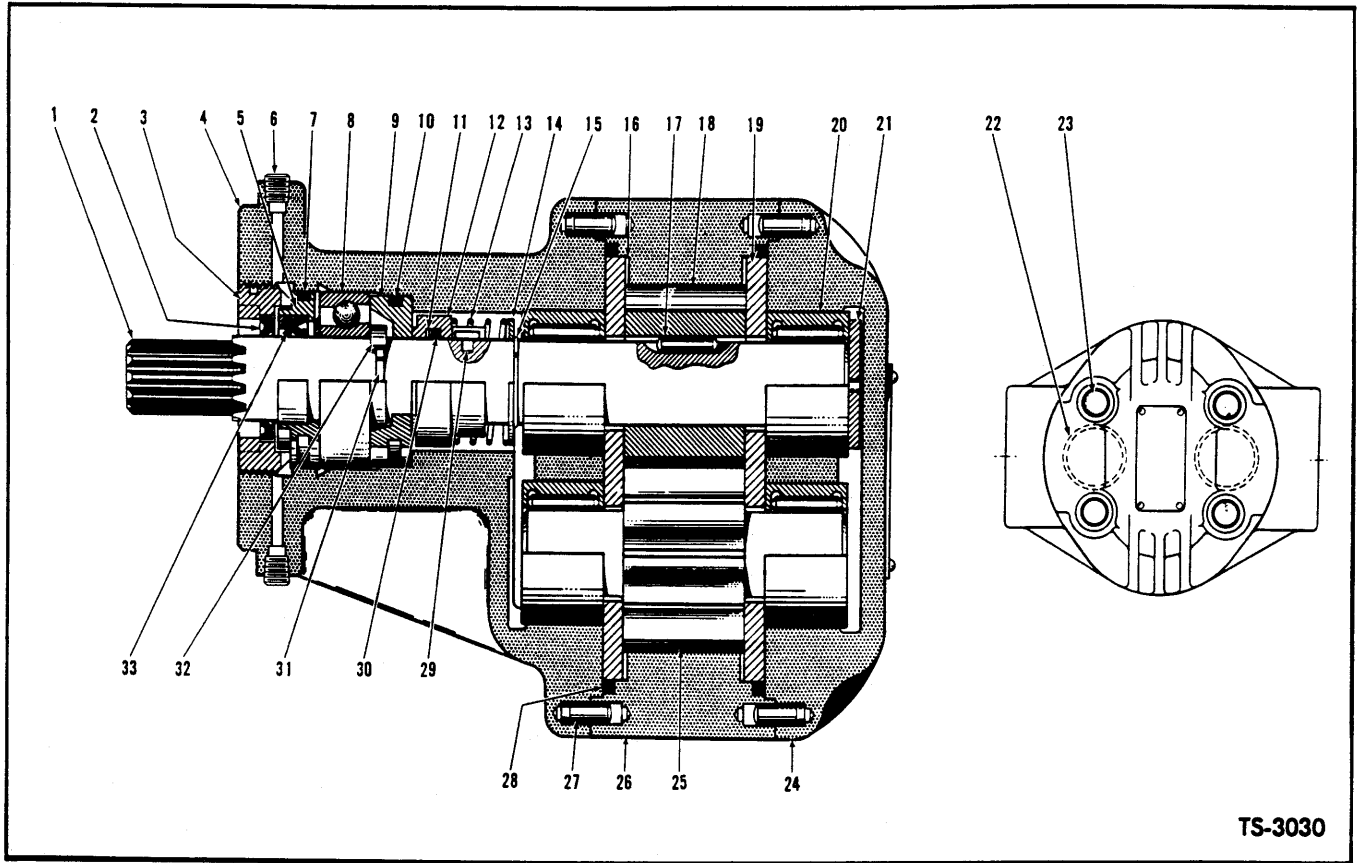


TS-5125-P

HYDRAULIC PUMP — BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450237	² PUMP ASSY (Inc. 1 thru 31)	1	14		§BODY, Pump — See Item "A"	1
B	498159	REPAIR KIT, Minor (Inc. 1, 2, 4, 6, 7, 22, 23, 25, 26, 30)	1	15	16F-02	PLUG, Body	1
C	498160	REPAIR KIT, Thrust Plate (Inc. 8, 9, 10, 12, 17, 19, 20, 21)	1	16		§BEARING, Body	1
D	498113	REPAIR KIT, Shaft Seal (Inc. 26 thru 31)	1	17		§THRUST PLATE, Body	1
E	498221	REPAIR KIT, Bearing (Inc. 5, 13, 16, 24)	1	18		§GEAR, Drive	1
F	498019	GEAR KIT (Inc. 11, 18)	1	19		§THRUST PLATE, Cover	1
1		§BOLT, Cover to Body	8	20		§SPRING, Wave	1
2		§WASHER, Cover to Body	8	21		§RING, Mask-Off	1
3		§COVER, Pump — See Item "A"	1	22		§RING, "O" Ring Back-Up	1
4		§GASKET, Cover	1	23		§"O" RING, Cover Thrust Plate	1
5		§BEARING, Cover	1	24		§BEARING, Cover	1
6		§"O" RING, Cover Thrust Plate	1	25		§SPRING, Cover Thrust Plate	3
7		§RING, "O" Ring Back-Up	1	26		§"O" RING, Oil Seal Retainer	1
8		§RING, Mask-Off	1	27		§SEAL, Inner Shaft Oil	1
9		§SPRING, Wave	1	28		§RETAINER, Shaft Seal	1
10		§THRUST PLATE, Cover	1	29		§SEAL, Outer Shaft Oil	1
11		§GEAR, Driven	1	30		§"O" RING, Oil Seal Retainer	1
12		§THRUST PLATE, Body	1	31		§RING, Seal Retainer Retaining	1
13		§BEARING, Body	1	32	235961	†GASKET, Pump to Converter	1
				33	8D-06	†NUT, Pump to Converter	3
				34	4E-06	†LKWSHR, Pump to Converter	3

²For complete replacement use 2522671 Pump.



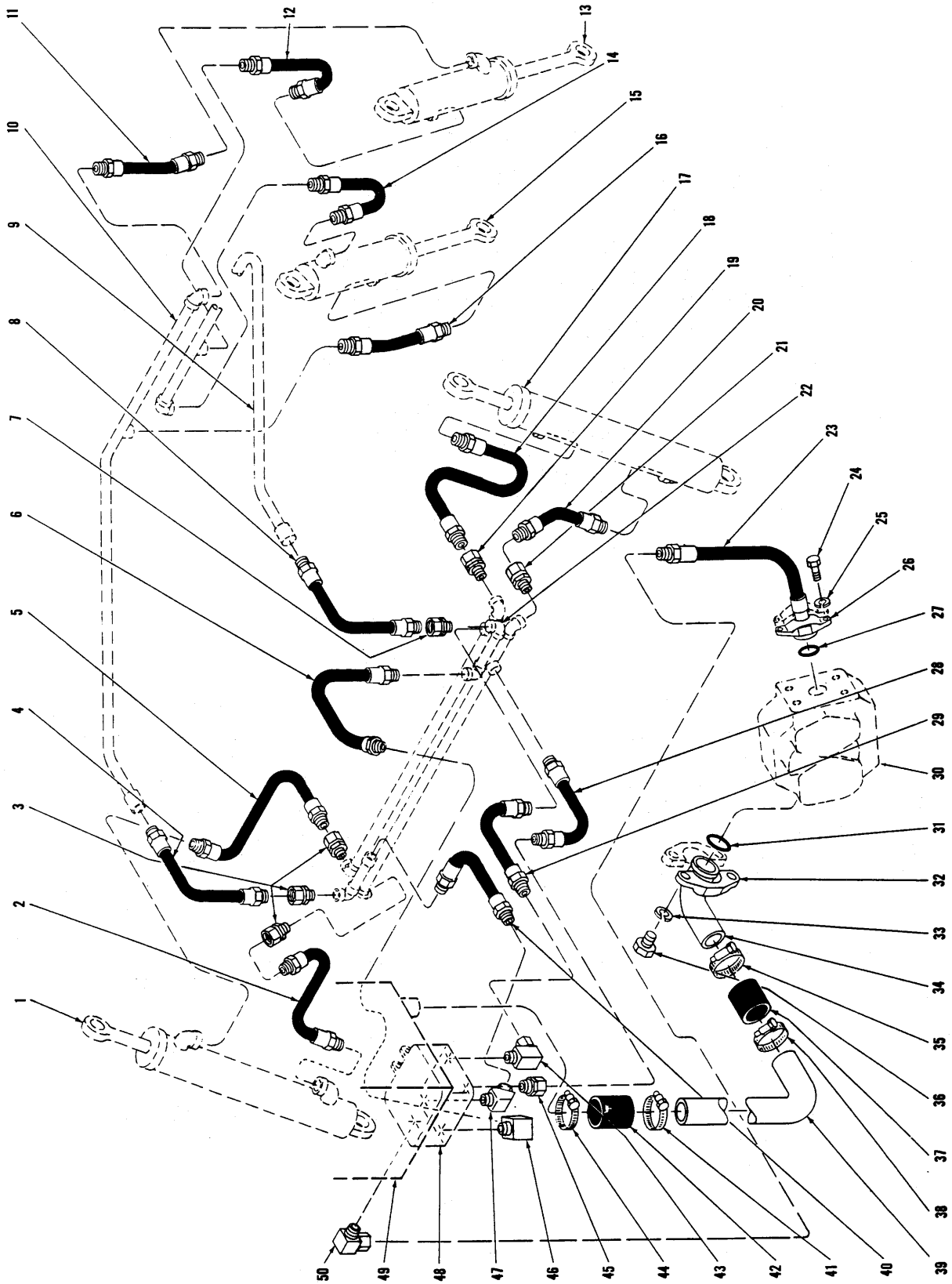
HYDRAULIC PUMP – BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1525904	PUMP ASSY (Inc. 1 thru 33)	1	14		§WASHER, High Pressure Seal – See "B"	1
B	944710	REPAIR KIT, Minor (Inc. 2, 7, 9, 10, 12, 15, 16, 22, 28, 32, 33)	1	15		§RING, Seal Retaining – See "B"	1
C	944820	GEAR & SHAFT SET (Inc. 1, 17, 18, 25)	1	16		§SHIM, Wear Plate – See "B" & "F"	4
D	944776	SEAL KIT, Shaft (Inc. 2, 7, 33)	1	17		§PIN, Gear to Shaft Dowel – See "C"	1
E	944777	BEARING KIT (Inc. 8, 20, 21)	1	18		§GEAR, Drive – See "C"	1
F	944787	WEAR PLATE SET (Inc. 16, 19)	1	19		§PLATE, Wear – See "F"	2
1		§SHAFT, Drive – See "C"	1	20		§BEARING, Drive & Driven Shaft – See "E"	4
2		§SEAL, Shaft Outer – See "B" & "D"	1	21	884614	PLATE, Drive Shaft Thrust	1
3	944782	RETAINER, Shaft Outer Seal	1	22		§"O" RING – See "B"	4
4		§ADAPTER, Pump – See "A"	1	23	12G-1052	BOLT, Cover & Housing to Adapter	4
5	884604	RETAINER, Shaft Inner Seal	1	24		§COVER, Pump – See "A"	1
6	16F-01	PLUG, Adapter Port	3	25		§GEAR, Driven – See "C"	1
7		§"O" RING, Retainer – See "B" & "D"	1	26	944975	HOUSING, Pump Center Section	1
8	884605	BEARING, Shaft – See "E"	1	27	867753	PIN, Housing to Adapter & Cover	4
9		§SEAT ASS, Seal (Inc. 10) – See "B"	1	28		§"O" RING, Housing – See "B"	2
10		§"O" RING, Seal Seat – See "B"	1	29		§KEY, Drive – See "B"	1
11		§WASHER, "O" Ring Back-Up – See "B"	1	30		§"O" RING, High Pressure Seal – See "B"	1
12		§SEAL ASSY, High Pressure (Inc. 11, 13, 14, 29, 30) – See "B"	1	31		§RING, Retaining – See "B"	1
13		§SPRING, High Pressure Seal – See "B"	1	32		§RETAINER, Retaining Ring – See "B"	1
				33		§SEAL, Shaft Inner – See "B" & "D"	1

§Not Sold Separately

²For complete replacement use 2522671 Pump.

TS-1245-P



HYDRAULIC SYSTEM — BUCKET AND BOOM

HYDRAULIC SYSTEM — BUCKET AND BOOM

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	BOOM CYLINDER — See Index	—	26	19J16	FLANGE HALF, Hose to Pump	2
2	645432	HOSE, Crosspipe to Boom Cyl. (See Note "A")	1	27	58K-219	"O" RING, Hose to Pump	1
3	36F-5	ADAPTER UNION	3	28	657184	HOSE, Valve to Crosspipe (See Note "A")	1
4	658914	HOSE, Crosspipe to Boom Pipe (See Note "A")	1	29	712647	HOSE, Valve to Crosspipe (See Note "B")	1
5	691800	HOSE, Crosspipe to Boom Cyl. (See Note "A")	1	30	-----	PUMP, Bucket & Boom — See Index	—
6	712647	HOSE, Valve to Crosspipe (See Note "B")	1	31	58K-222	"O" RING, Stem to Pump	1
7	36F-5	ADAPTER UNION	1	32	19J20	FLANGE HALF, Stem to Pump	2
8	658914	HOSE, Crosspipe to Boom Pipe (See Note "A")	1	33	4E-07	LKWSHR, Flange to Pump	4
9	-----	BOOM PIPE — R.H. — See Index	1	34	-----	STEM, Hose to Pump — Suction	—
10	-----	BOOM PIPE — L.H. — See Index	1	34A	526382	For 55A — Serial 3726 thru 3785	1
11	522736	HOSE, Boom Pipe to Bucket Cyl.	1	34B	593505	For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999	1
12	550807	HOSE, Boom Pipe to Bucket Cyl.	1			55B — 50BCO1 thru 50BCO999	1
13	-----	BUCKET CYLINDER — See Index	1	35	784663	CLAMP, Hose	1
14	550807	HOSE, Boom Pipe to Bucket Cyl.	1	36	1C-724	BOLT, Flange to Pump	4
15	-----	BUCKET CYLINDER — See Index	—	37	536710	*HOSE, Tube to Stem	1
16	522736	HOSE, Boom Pipe to Bucket Cyl.	1	38	784663	*CLAMP, Hose	1
17	-----	BOOM CYLINDER — See Index	—	39	-----	TUBE, Reservoir to Pump — Suction	—
18	691800	HOSE, Crosspipe to Boom Cyl. (See Note "A")	1	39A	553340	HOSE, For 55A — Serial 3726 thru 3785	1
19	36F-5	ADAPTER UNION	1	39B	529518	TUBE, For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999	1
20	645432	HOSE, Crosspipe to Boom Cyl. (See Note "A")	1			55B — 50BCO1 thru 50BCO999	1
21	36F-5	ADAPTER UNION	1	40	669952	HOSE, Valve to Crosspipe (See Note "C")	1
22	528343	CROSSPIPE	1	41	784663	*CLAMP, Hose	1
22A	2C-628	†BOLT, Crosspipe to Frame	2	42	536710	*HOSE, Tube to Reservoir	1
22B	2D-06	†NUT, Crosspipe to Frame	2	43	31F-5	ADAPTER UNION	1
22C	4E-06	†LKWSHR, Crosspipe to Frame	2	44	784663	CLAMP, Hose	1
23	-----	HOSE, Pump to Valve-Pressure	—	45	36F-5	ADAPTER UNION	1
23A	553419	For 55A — Serial 3726 thru 3785	1	46	31F-5	ADAPTER UNION	1
23B	527549	For Serial: 55A — 3786 thru 3855, 1BCO134 thru 1BCO282, 2BCO1 thru 2BCO999	1	47	33F-5	ADAPTER UNION	1
		55B — 50BCO1 thru 50BCO999	1	48	-----	CONTROL VALVE — See Index	1
24	1C-620	BOLT, Flange to Pump	4	49	-----	RESERVOIR, Hydraulic Oil—See Index	1
25	4E-06	LKWSHR, Flange to Pump	4	50	31F-5	ADAPTER UNION	1

†Not Illustrated

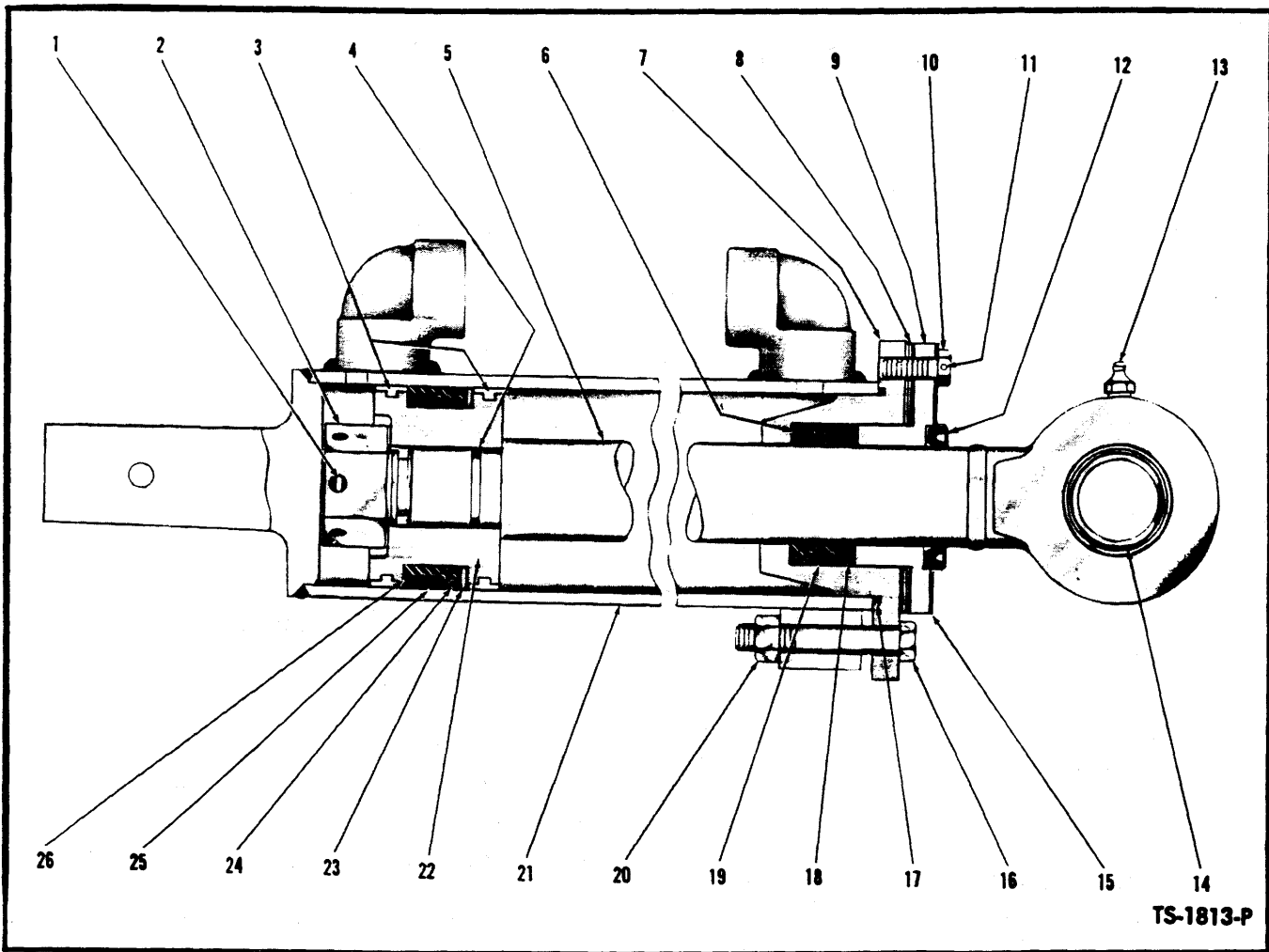
*NOTE: Items designated by an asterisk are not applicable to machine serial numbers 3726 thru 3785.

NOTE "A": When installing Hose Items 2, 4, 5, 8, 18, 20 and 28 in place of swivel end hoses use one 36F-5 Adapter Union.

NOTE "B": When installing Hose Items 6 and 29 in place of swivel end hoses use one 31F-5 Adapter Union.

NOTE "C": When installing Hose Item 40, in place of swivel end hose use one 33F-5 Adapter Union.

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



TS-1813-P

BOOM CYLINDER ASSEMBLY

2 Cylinders Used on Machine – Quantity Indicated is for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	523118	CYLINDER ASSY (Inc. 1 thru 26) R.H.	1	13	10H-25	FITTING, Piston Rod Grease	1
B	533654	†CYLINDER ASSY (Inc. 1 thru 26) L.H.	1	14	552766	BUSHING, Piston Rod	1
C	2523424	KIT (Inc. 1, 3, 4, 6, 8, 17 thru 19, 23 thru 26) - See Note "A"	1	15	512797	RETAINER, Piston Rod Wiper	1
1	1F-540	COTTER, Piston Rod Nut	1	16	18C-748	BOLT, Cylinder Cap	4
2	517298	NUT, Piston Rod	1	17	---	§"O" RING, Cylinder Cap – See C	1
3	---	§RING, Piston Wear – See C	2	18	---	§ADAPTER, Female – See 19	2
4	---	§"O" RING, Piston Rod – See C	1	19	2501106	PACKING SET, (Inc. 6, 18)	1
5	523123	ROD ASSY (Inc. 13, 14)	1	20	64D-07	NUT, Cylinder Cap	4
6	---	§ADAPTER, Male – See 19	2	21	533655	CYLINDER	1
7	526450	*CAP, Cylinder	1	22	512789	**PISTON	1
8	517581	‡SHIM, Packing Gland	—	23	---	§‡SHIM, Piston Packing – See C	—
9	526451	GLAND, Packing	1	24	---	§ADAPTER, Female – See C	2
10	4C-620	BOLT, Packing Gland	4	25	---	§PACKING SET, Piston – See C	1
11	28H-16130	LOCKWIRE, Packing Gland Bolt	2	26	---	§ADAPTER, Male – See C	2
12	941568	WIPER, Piston Rod	1				

†Not Illustrated

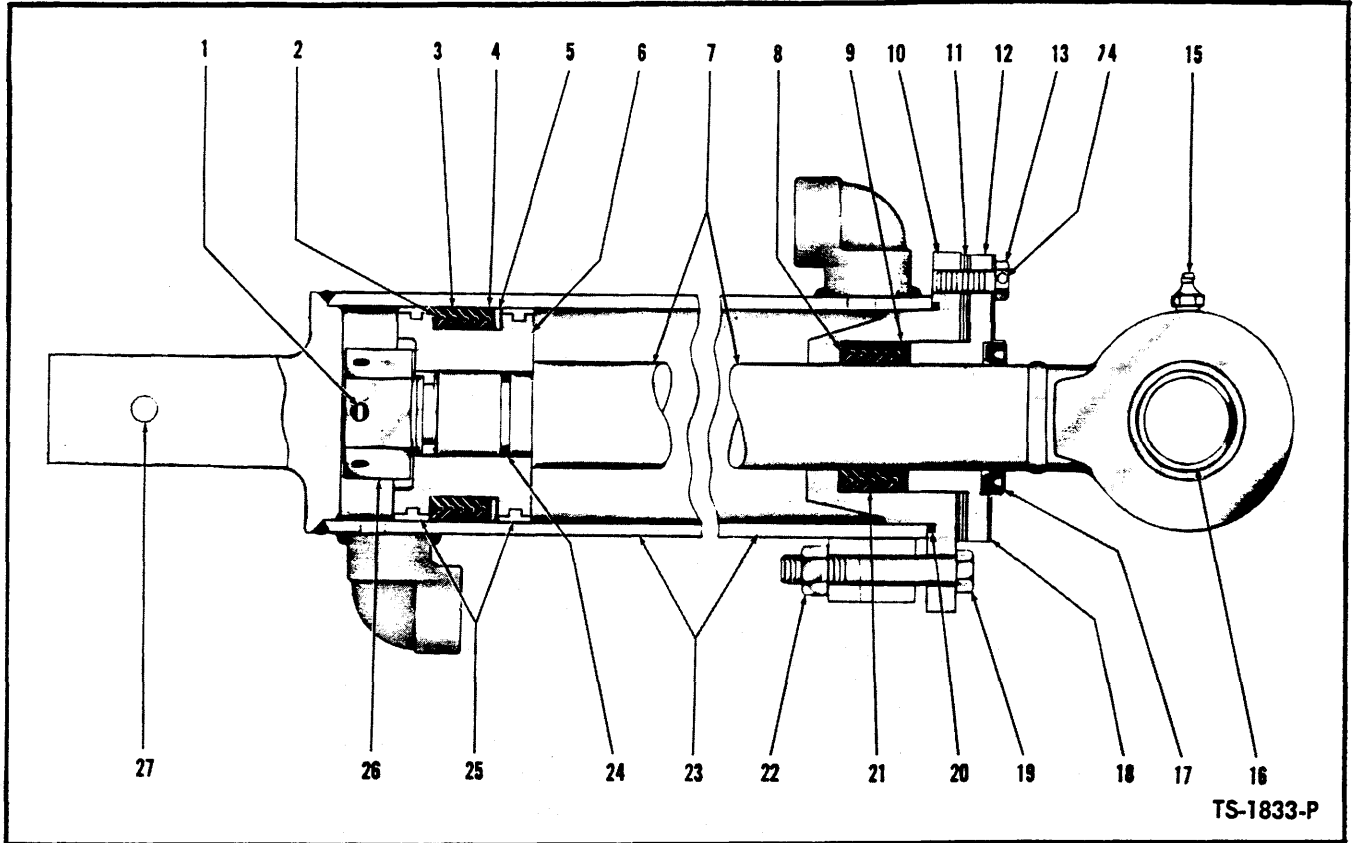
‡As Required

§Not Sold Separately

*NOTE: For replacement of 526450 Cap use 945112 Cap Assy. 945112 Cap Assy includes 1–25K-40308 O-Ring and 1–532917 Back-Up Ring.

**NOTE: For replacement use 1503639 Piston plus 1–2516071 Kit.

NOTE "A": For reference see Service Gram S.G.-597



TS-1833-P

BUCKET CYLINDER ASSEMBLY

2 Cylinders Used on Machine – Quantity Indicated is for 1 Cylinder

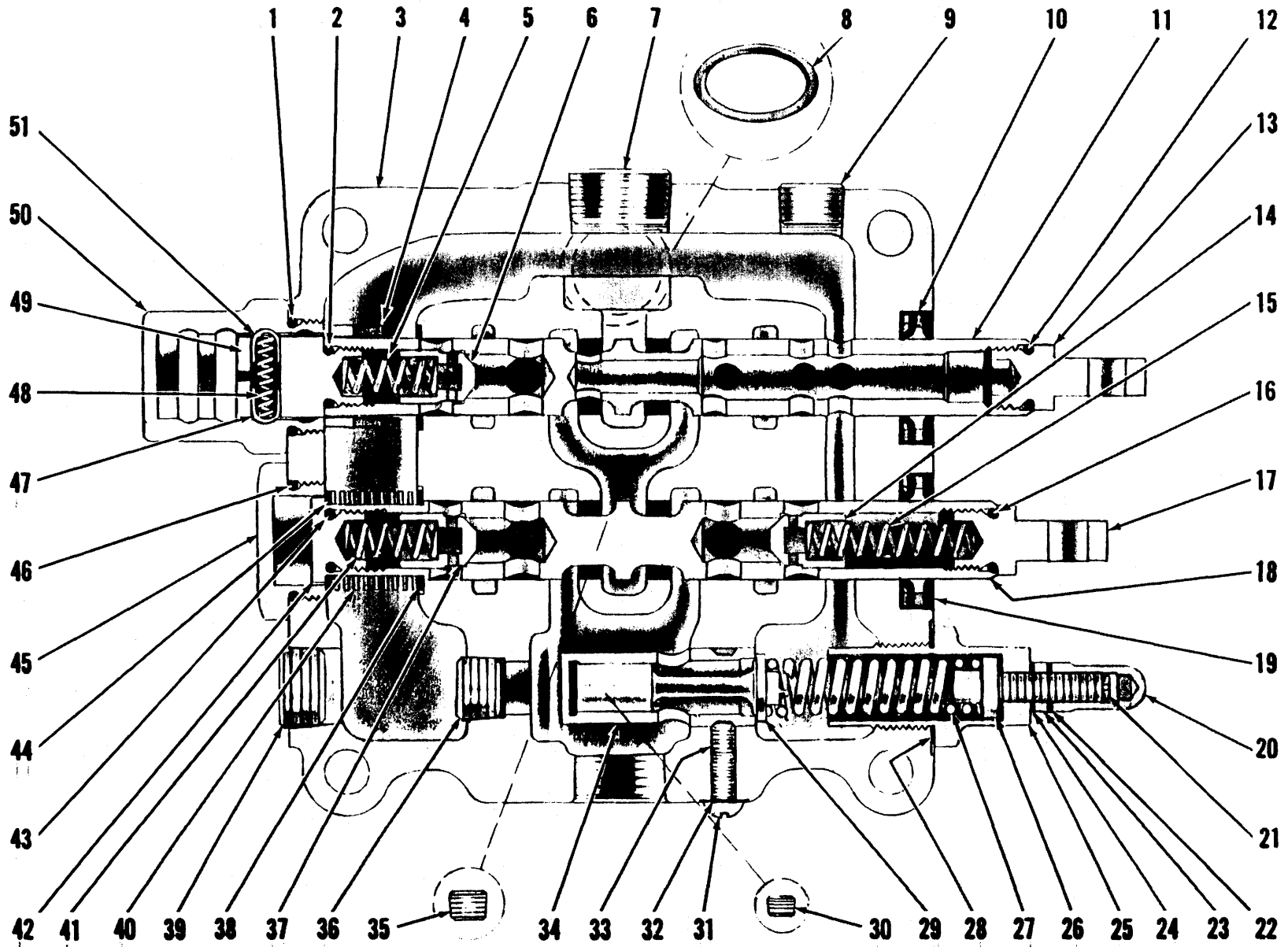
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	523110	CYLINDER ASSY (Inc. 1 thru 27) ...	1	13	4C-620	BOLT, Packing Gland	4
B	2523425	KIT (Inc. 1 thru 5, 8, 9, 11, 20, 21, 24, 25) See Note "A"	1	14	28H-16130	LOCKWIRE	2
1	1F-540	COTTER, Piston Rod Nut	1	15	12H-15	FITTING, Piston Rod Grease	1
2	----	§ADAPTER, Male – See B	2	16	552766	BUSHING, Piston Rod	1
3	----	§PACKING SET, Piston – See B	1	17	941568	WIPER, Piston Rod	1
4	----	§ADAPTER, Female – See B	2	18	512797	RETAINER, Piston Rod Wiper	1
5	----	§‡SHIM, Piston Packing – See B	–	19	18C-748	BOLT, Cylinder Cap	4
6	512789	**PISTON	1	20	----	§"O" RING, Cylinder Cap – See B	1
7	523114	ROD ASSY, Piston (Inc. 15, 16)	1	21	2501106	PACKING SET, (Inc. 8, 9)	1
8	----	§ADAPTER, Male – See 21	2	22	64D-07	NUT, Cylinder Cap	4
9	----	§ADAPTER, Female – See 21	2	23	523111	CYLINDER	1
10	526450	*CAP, Cylinder	1	24	----	§"O" RING, Piston Rod – See B	1
11	517581	‡SHIM, Packing Gland	–	25	----	§RING, Piston Wear – See B	2
12	526451	GLAND, Packing	1	26	517298	NUT, Piston Rod	1
				27	12H-25	FITTING, Cylinder Grease	1

‡ As Required

*NOTE: For replacement of 526450 Cap use 945112 Cap Assy. 945112 Cap Assy includes 1-25K-40308 O-Ring and 1-532917 Back-Up Ring.

**NOTE: For replacement use 1503639 Piston plus 1-2516071 Kit.

NOTE "A": For reference see Service Gram S.G.-597



CONTROL VALVE ASSEMBLY

TS-1799-P

90

(1H1)

PM 1657

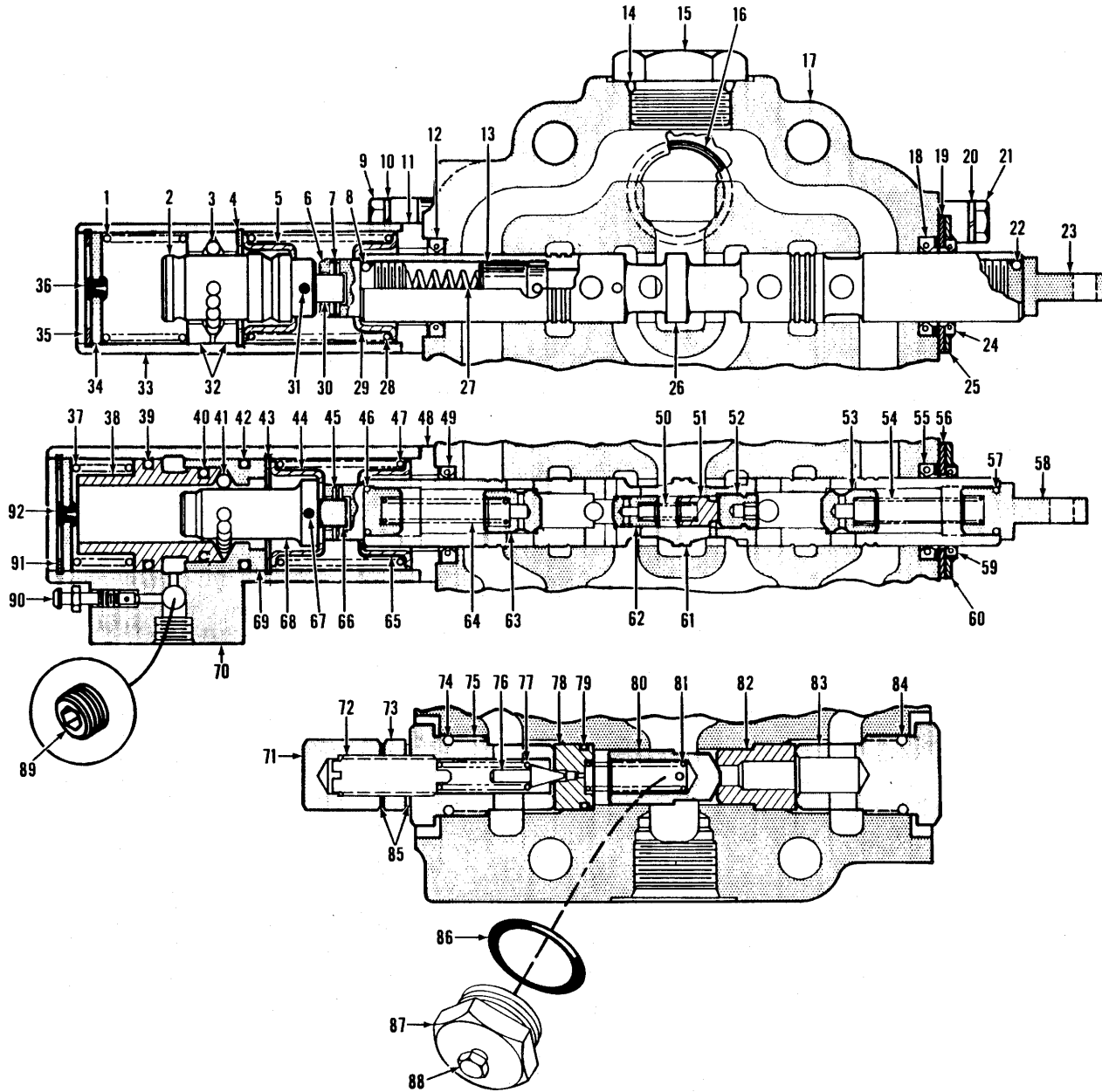
CONTROL VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	526664	*VALVE ASSY, Control (Inc. 1 thru 51)	1	27	519783	SPRING, Relief Valve	1
1	25K-30112	"O" RING, Detent Cap	1	28	940031	GASKET, Relief Valve Adjusting Cap	1
2	940061	RING, Boom Plunger Seal	1	29	940032	PLUNGER, Relief Valve	1
3	—	§HOUSING, Valve (See A)	—	30	16F-04	PLUG, Housing Pipe— $\frac{1}{4}$ "	1
4	940062	SPACER, Boom Plunger	1	31	863052	SCREW, Relief Seat Lock	1
5	940063	SPRING, Boom Plunger Check Valve	1	32	863053	GASKET	1
6	940064	PLUNGER, Boom Check Valve	1	33	15G-506	SCREW, Relief Seat Set	1
7	16F-16	PLUG, Housing Discharge, Pipe—1"	1	34	940033	SEAT, Relief Valve Plunger	1
8	58K-222	"O" RING, Valve to Reservoir	1	35	16F-06	PLUG, Housing Pipe— $\frac{3}{8}$ "	1
9	16F-08	PLUG, Housing Cleanout, Pipe— $\frac{1}{2}$ "	1	36	16F-08	PLUG, Housing Relief Pipe— $\frac{1}{2}$ "	1
10	944022	SEAL, Plunger	1	37	940064	PLUNGER, Bucket Check Valve	1
11	—	§PLUNGER, Boom Operating (See A)	—	38	940074	WASHER, Plunger Spring	1
12	940061	RING, Boom Plunger Seal	1	39	16F-12	PLUG, Housing Pipe— $\frac{3}{4}$ "	1
13	940068	EYE, Plunger End	1	40	940072	SPRING, Plunger Return	1
14	940064	PLUNGER, Bucket Check Valve	1	41	940063	SPRING, Bucket Plunger Check Valve	1
15	940070	SPRING, Check Valve Plunger	1	42	940073	CAP, Plunger End	1
16	940061	RING, Bucket Plunger Seal	1	43	940061	RING, Plunger Cap Seal	1
17	940068	EYE, Plunger End	1	44	940074	WASHER, Plunger Spring	1
18	—	§PLUNGER, Bucket Operating (See A)	—	45	940039	CAP, Bucket Plunger Housing	1
19	944022	SEAL, Plunger	1	46	25K-30112	"O" RING, Housing Cap	1
20	863045	NUT, Relief Valve Acorn	1	47	940075	POPPET, Detent	1
21	519782	SCREW, Relief Valve Adjusting	1	48	940024	SPRING, Detent Poppet	1
22	958210	WASHER, Relief Valve (Gasket)	1	49	940023	CAP, Detent Poppet	1
23	8D-06	NUT, Relief Valve Jam	1	50	940040	CAP, Housing Detent	1
24	958210	WASHER, Relief Valve (Gasket)	1	51	940075	POPPET, Detent	1
25	940025	CAP, Relief Valve Adjusting	1	52	2C-856	†BOLT, Valve to Reservoir	3
26	940029	GUIDE, Relief Spring	1	53	4E-08	†LKWSHR, Valve to Reservoir	3

§Not Sold Separately
†Not Illustrated

*NOTE: For complete replacement use 2511040 Control Valve plus 1—960604 Service Kit.

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



90A.1

(1H3)

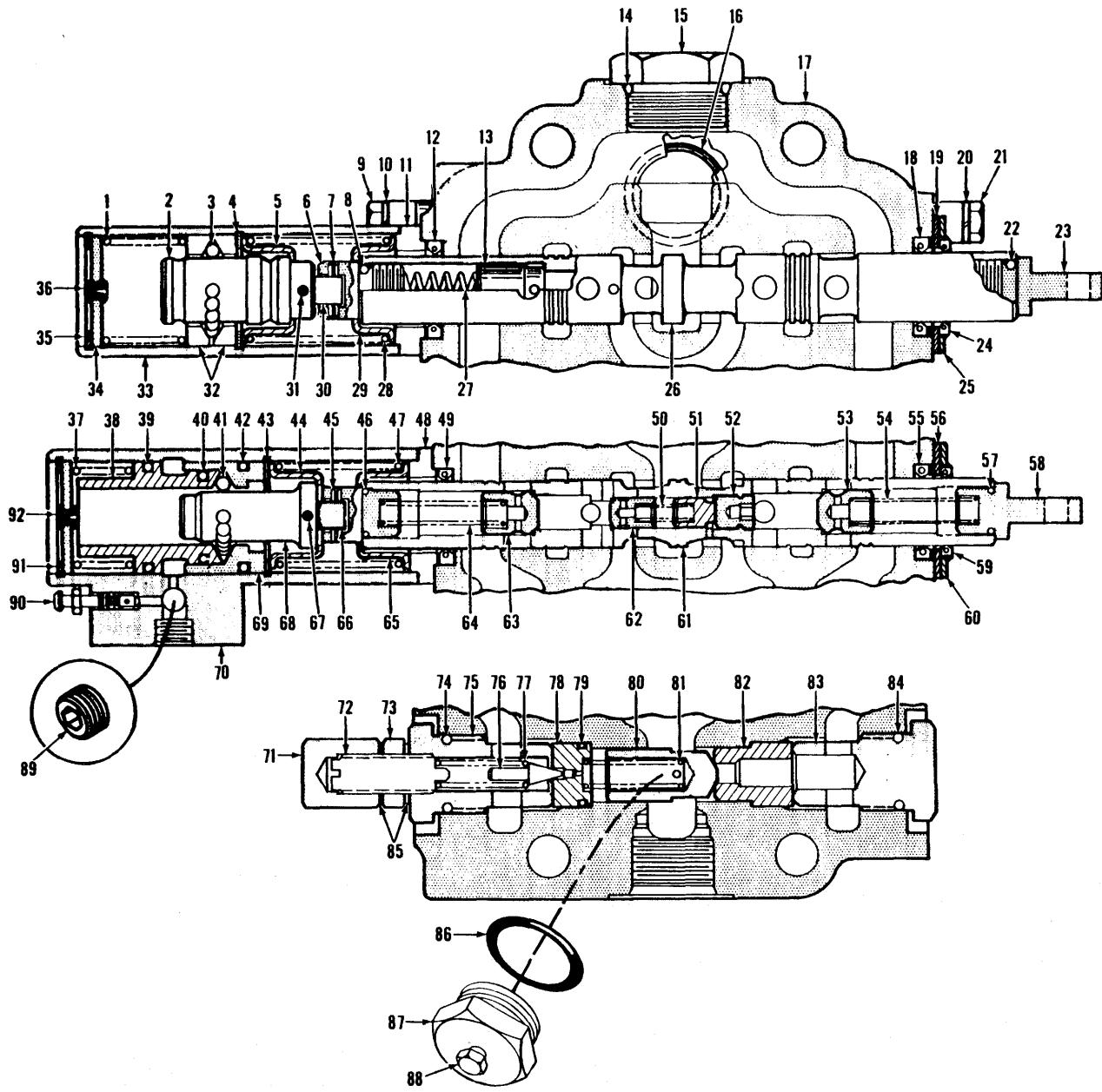
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TS-14064

Valve Assembly, Main (2 Spool)

No.	Part No.	Qty.	Description
A	2511040	1	Valve assy
1	945853	1	Spring
2	945848	1	Cap
3	10J-06	15	Ball
4	1300582	1	Ring
5	888451	1	Retainer
6	961005	1	Cap
7	300232	1	Pin
8	25K-30014	1	O-ring
9	11G-520	2	Bolt
10	4E-05	2	Lockwasher
11	960971	1	Plate
12	961004	1	Seal
13	945590	1	Check
14	91F-10	2	O-ring
15	24K-10	2	Cap
16	25K-40106	1	O-ring
17	S ³ _____	—	Housing
18	961004	1	Seal
19	960966	1	Plate
20	4E-05	4	Lockwasher
21	1C-512	4	Bolt
22	25K-30014	1	O-ring
23	945226	1	Plunger eye
24	960968	1	Wiper
25	960967	1	Plate
26	S ³ _____	—	Plunger
27	871388	1	Spring
28	888452	1	Spring
29	888451	1	Retainer
30	888449	1	Pin
31	300232	1	Pin
32	886758	2	Retainer
33	886761	1	Cover
34	886762	1	Plug
35	755855	1	Retainer
36	886763	1	Plug
37	945233	1	Spring
38	945231	1	Retainer
39	58K-124	1	O-ring
40	58K-121	1	O-ring
41	10J-06	12	Ball
42	58K-124	1	O-ring
43	1300582	1	Ring
44	888451	1	Retainer
45	300232	1	Pin
46	25K-30014	1	O-ring

¹See Index²Inc. 1→92³See "A"



90B.1

(1H5)

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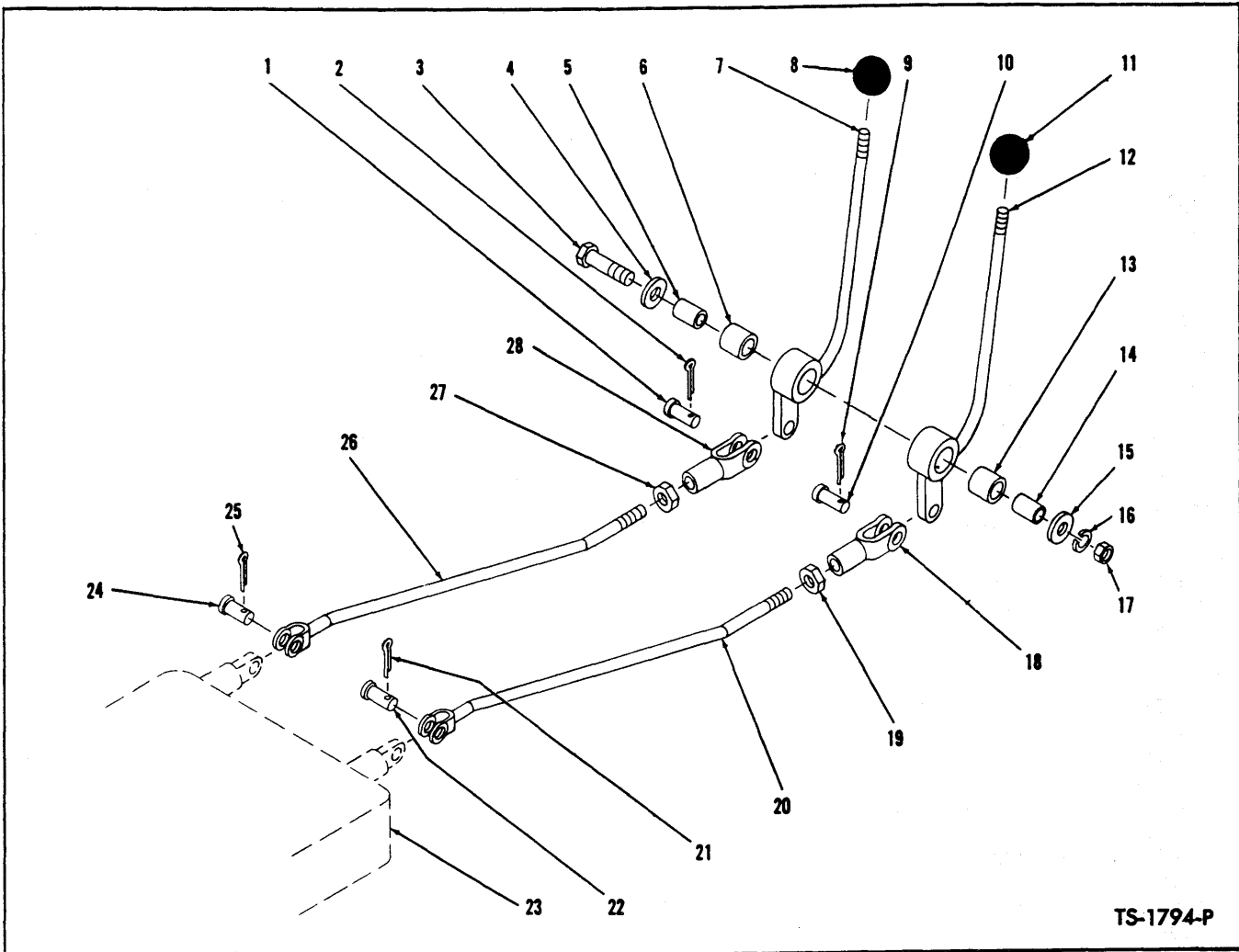
TS-14064

Valve Assembly, Main (2 Spool)



No.	Part No.	Qty.	Description
47	888455	1	Spring
48	960971	1	Plate
49	961004	1	Seal
50	§ ³ _____	—	Spring
51	§ ³ _____	—	Piston
52	§ ³ _____	—	Cap
53	945590	1	Check
54	871388	1	Spring
55	961004	1	Seal
56	960966	1	Plate
57	25K-30014	1	O-ring
58	945226	1	Plunger eye
59	960968	1	Wiper
60	960967	1	Plate
61	§ ³ _____	—	Plunger
62	§ ³ _____	—	Check
63	945590	1	Check
64	946540	1	Spring
65	888451	1	Retainer
66	888449	1	Pin
67	730432	1	Pin
68	945232	1	Cap
69	945217	1	Retainer
70	945234	1	Housing
70A	†11G-520	2	Bolt
70B	†4E-05	2	Lockwasher
71	49D-08	1	Nut
72	980834	1	Screw
73	8D-08	1	Nut
74	58K-210	1	O-ring
75	980835	1	Cap
76	886739	1	Poppet
77	886753	1	Spring
78	960964	1	Seat
79	25K-30020	1	O-ring
80	960965	1	Check
81	947791	1	Spring
82	960963	1	Seat
83	980838	1	Cap
84	58K-210	1	O-ring
85	613750	2	Washer
86	91F-8	1	O-ring
87	945430	1	Cap
88	40K-04	1	Plug
89	16F-02	1	Plug
90	641297	1	Screw
91	755855	1	Retainer
92	886763	1	Plug

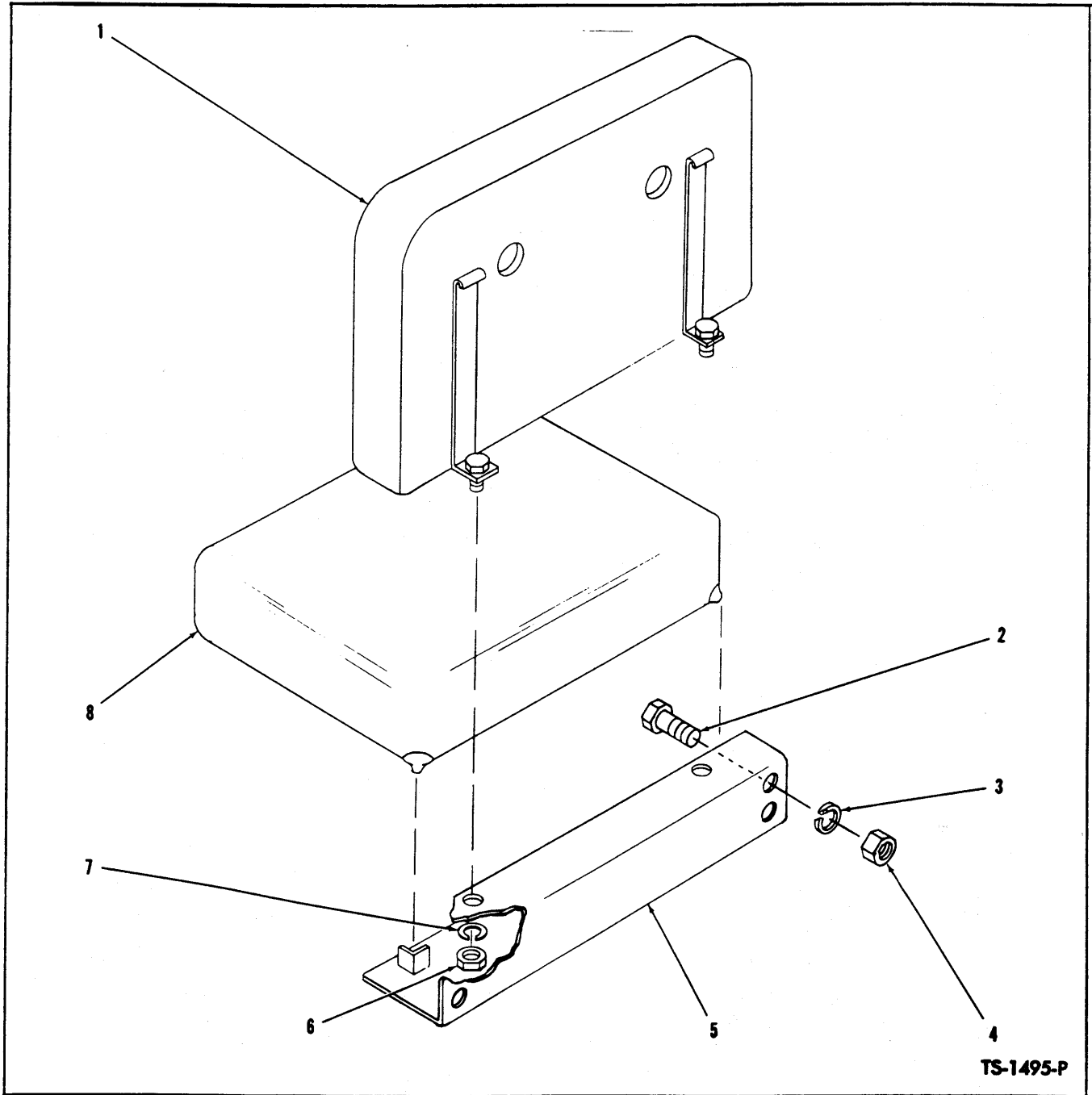
¹See Index
²Inc. 1→92
³See "A"



VALVE CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	4F-08127	PIN, Clevis to Lever	1	15	616795	WASHER, Lever to Frame	1
2	1F-414	COTTER, Clevis Pin	1	16	4E-08	LKWSHR, Lever to Frame	1
3	2C-868	BOLT, Lever to Frame	1	17	2D-08	NUT, Lever to Frame	1
4	616795	WASHER, Lever to Frame	1	18	2J-8300	CLEVIS, Rod to Lever	1
5	550646	SLEEVE, Lever to Frame	1	19	8D-08	NUT, Clevis Jam	1
6	526767	BUSHING, Bucket Valve Lever	1	20	550647	ROD, Boom Valve	1
7	550644	LEVER, Bucket Valve	1	21	1F-414	COTTER, Clevis Pin	1
8	509772	KNOB, Bucket Lever	1	22	4F-08127	PIN, Rod to Valve	1
9	1F-414	COTTER, Clevis Pin	1	23	——	CONTROL VALVE (See Index)	—
10	4F-08127	PIN, Clevis to Lever	1	24	4F-08127	PIN, Rod to Valve	1
11	509772	KNOB, Boom Lever	1	25	1F-414	COTTER, Clevis Pin	1
12	550640	LEVER, Boom Valve	1	26	550647	ROD, Bucket Valve	1
13	526767	BUSHING, Boom Valve Lever	1	27	8D-08	NUT, Clevis Jam	1
14	550646	SLEEVE, Lever to Frame	1	28	2J-8300	CLEVIS, Rod to Lever	1

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

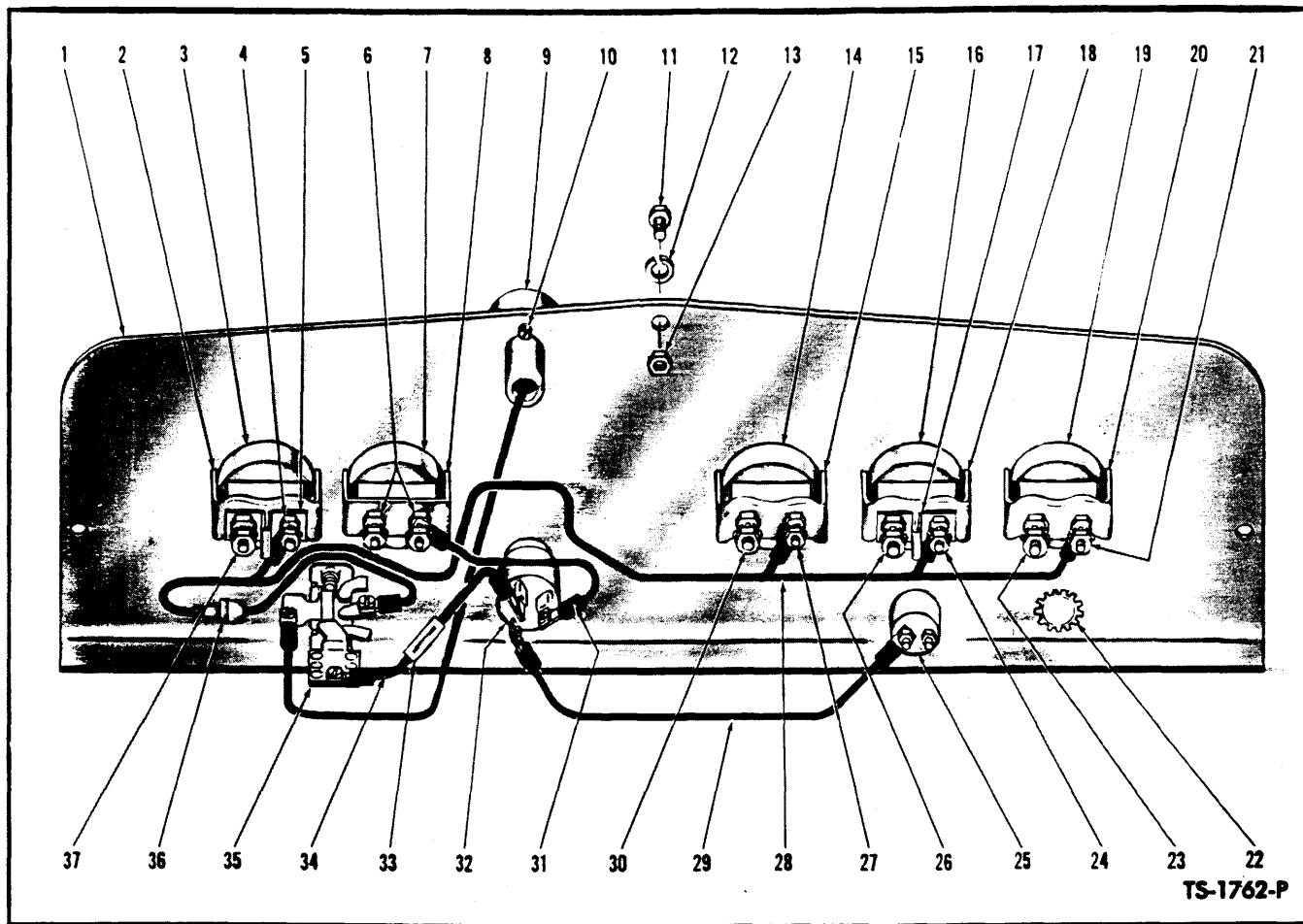


TS-1495-P

SEAT AND SUPPORT

Item No.	Part No.	Description	No. Req'd.
1	550635	CUSHION, Backrest	1
2	2C-616	BOLT, Seat Support to Frame	4
3	4E-06	LKWSHR, Seat Support to Frame	4
4	2D-06	NUT, Seat Support to Frame	4
5	524776	SUPPORT, Seat	1
6	2D-06	NUT, Cushion Backrest to Support	2
7	4E-06	LKWSHR, Cushion Backrest to Support	2
8	550634	CUSHION, Seat	1

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



TS-1762-P

INSTRUMENT PANEL ASSEMBLY

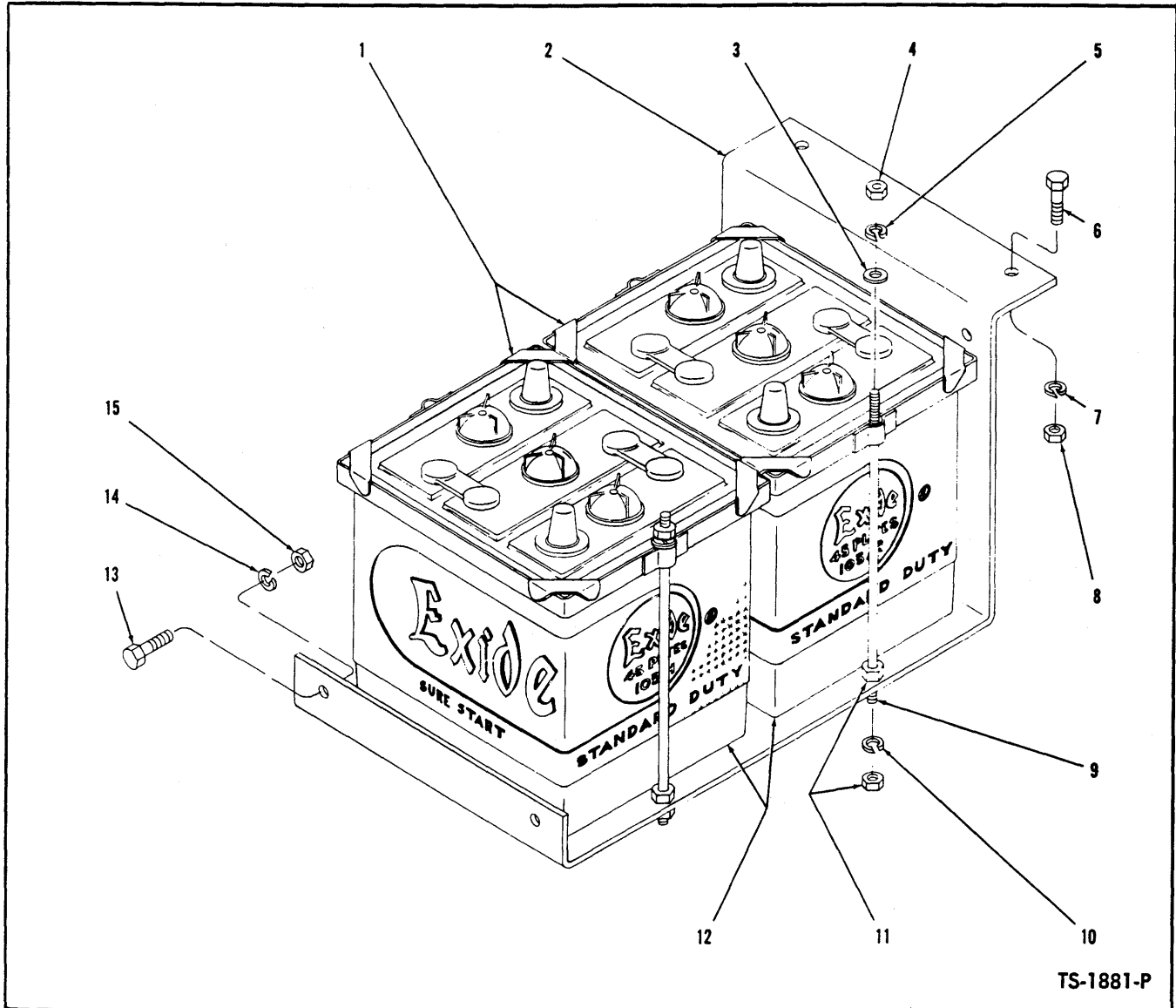
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	528287	PANEL, Instrument	1	22	696073	BUTTON, Plug	1
2	626530	CLAMP, Instrument	1	23	14D-10	NUT, Engine Temperature Gauge	2
3	551320	GAUGE, Fuel	1	23A	12E-10	†LKWSHR, Engine Temperature Gauge	1
4	12D-8	NUT, Fuel Gauge Terminal	2	24	12D-8	NUT, Oil Pressure Gauge	2
4A	12E-8	†LKWSHR, Fuel Gauge Terminal	1	24A	12E-8	†LKWSHR, Oil Pressure Gauge	1
5	602350	SEPARATOR, Terminal	1	25	600259	BUTTON, Starter Push	1
6	14D-10	NUT, Ammeter Terminal	4	25A	857420	†BOOT, Push Button — Rubber	1
6A	12E-10	†LKWSHR, Ammeter Terminal	2	26	14D-10	NUT, Oil Pressure Gauge	2
7	550735	AMMETER	1	26A	12E-10	†LKWSHR, Oil Pressure Gauge	1
8	601212	CLAMP, Ammeter	1	27	12D-8	NUT, Torque Converter Temp. Gauge	2
9	551503	*LAMP, Dash	1	27A	12E-8	†LKWSHR, Torque Conv. Temp. Gauge	1
10	18G-606	SCREW, Dash Lamp	2	28	528288	WIRE, Light Switch to Gauges	1
10A	12E-6	†LKWSHR, Dash Lamp	2	29	550746	WIRE, Ignition Switch to Starter Button	1
11	2C-614	BOLT, Panel to Shroud	3	30	14D-10	NUT, Torque Conv. Temp. Gauge	2
12	4E-06	LKWSHR, Panel to Shroud	3	30A	12E-10	†LKWSHR, Torque Conv. Temp. Gauge	1
13	2D-06	NUT, Panel to Shroud	3	31	639543	WIRE, Ammeter to Ignition Switch	1
14	551321	GAUGE, Torque Conv. Temperature	1	32	573548	SWITCH, Ignition	1
15	626530	CLAMP, Instrument	1	33	611074	FUSE—20 Amp.	1
16	551319	GAUGE, Engine Oil Pressure	1	34	552946	WIRE, Ignition Switch to Light Switch	1
17	602350	SEPARATOR, Terminal	1	35	2514253	SWITCH, Light - See Note "A"	1
18	626530	CLAMP, Instrument	1	35A	550742	†ROD, Light Switch	1
19	551322	** GAUGE, Engine Temperature	1	35B	550743	†BUSHING, Light Switch	1
20	626530	CLAMP, Instrument	1	36	661555	FUSE—4 Amp.	1
21	12D-8	NUT, Engine Temperature Gauge	2	37	14D-10	NUT, Fuel Gauge Terminal	2
21A	12E-8	†LKWSHR, Engine Temperature Gauge	1	37A	12E-10	†LKWSHR, Fuel Gauge Terminal	1

*NOTE: For replacement use 574276 Lamp plus 1—1940316 Bulb & 1—574275 Tab.

**NOTE: For replacement refer to Service Gram S.G.-326B.

†Not Illustrated

NOTE "A": For replacement the mounting hole must be enlarged to .4688.



TS-1881-P

BATTERY AND BATTERY BOX

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		COVER, Battery Hold Down		7	4E-06	LKWSHR, Battery Box Attaching	2
1A	550844	For Machines with Exide #SS-1 Battery	2	8	2D-06	NUT, Battery Box Attaching	2
1B	536488	For Machines with Exide #CX-1-105 Battery	2	9	600183	STUD, Hold Down Cover	4
2	550843	BOX, Battery	1	10	4E-05	LKWSHR, Hold Down Cover	4
3	25E-15	WASHER, Hold Down Cover Stud	4	11	1D-05	NUT, Hold Down Cover	4
4	1D-05	NUT, Hold Down Cover Stud	4	12	---	BATTERY, EXIDE #CX-1-105	2
5	4E-05	LKWSHR, Hold Down Cover Stud	4	13	2C-612	BOLT, Battery Box Attaching	2
6	2C-612	BOLT, Battery Box Attaching	2	14	4E-06	LKWSHR, Battery Box Attaching	2
				15	2D-06	NUT, Battery Box Attaching	2

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

LIGHTS AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
1	945958	LAMP ASSY, Back-up (Inc. 1A, 2)	2
1A	944976	RETAINER & FRAME ASSY	2
2	877752	SEALED BEAM UNIT, Back-up Lamp	2
3	550745	WIRE, Back-up Lamp Ground	2
4	550853	WIRE, Back-up Lamp Jumper	1
5	12D-8	NUT, Lamp to Plate	6
6	12E-8	LKWSHR, Lamp to Plate	6
7	30H-11	CLIP, Wiring Harness	2
8	30H-12	CLIP, Wiring Harness	3
9	547006	LAMP ASSY, Head (Inc. 9A, 10)	2
9A	551293	CLIP, Sealed Beam Unit	4

Item No.	Part No.	Description	No. Req'd.
10	551242	SEALED BEAM UNIT, Head Lamp	2
11	3G-808	SCREW, Ground Wire	2
12	13E-8	LKWSHR, Ground Wire	2
13	12D-8	NUT, Ground Wire	2
14	5203855	LAMP, Tail	2
15	551314	BRACKET, Tail Lamp	2
16	1C-610	BOLT, Bracket to Grille	4
17	4E-06	LKWSHR, Bracket to Grille	4
18	1D-04	NUT, Lamp to Bracket	4
19	4E-04	LKWSHR, Lamp to Bracket	4

TOOLS

Item No.	Part No.	Description	No. Req'd.
1	711264	WRENCH, Wheel	1
2	552164	HANDLE	1
3	526629	WRENCH, Hub Bearing	1
4		RING, Packing Compressor	
4A	519324	For Boom & Bucket Cylinder	1
4B	526643	For Steering Cylinder	1

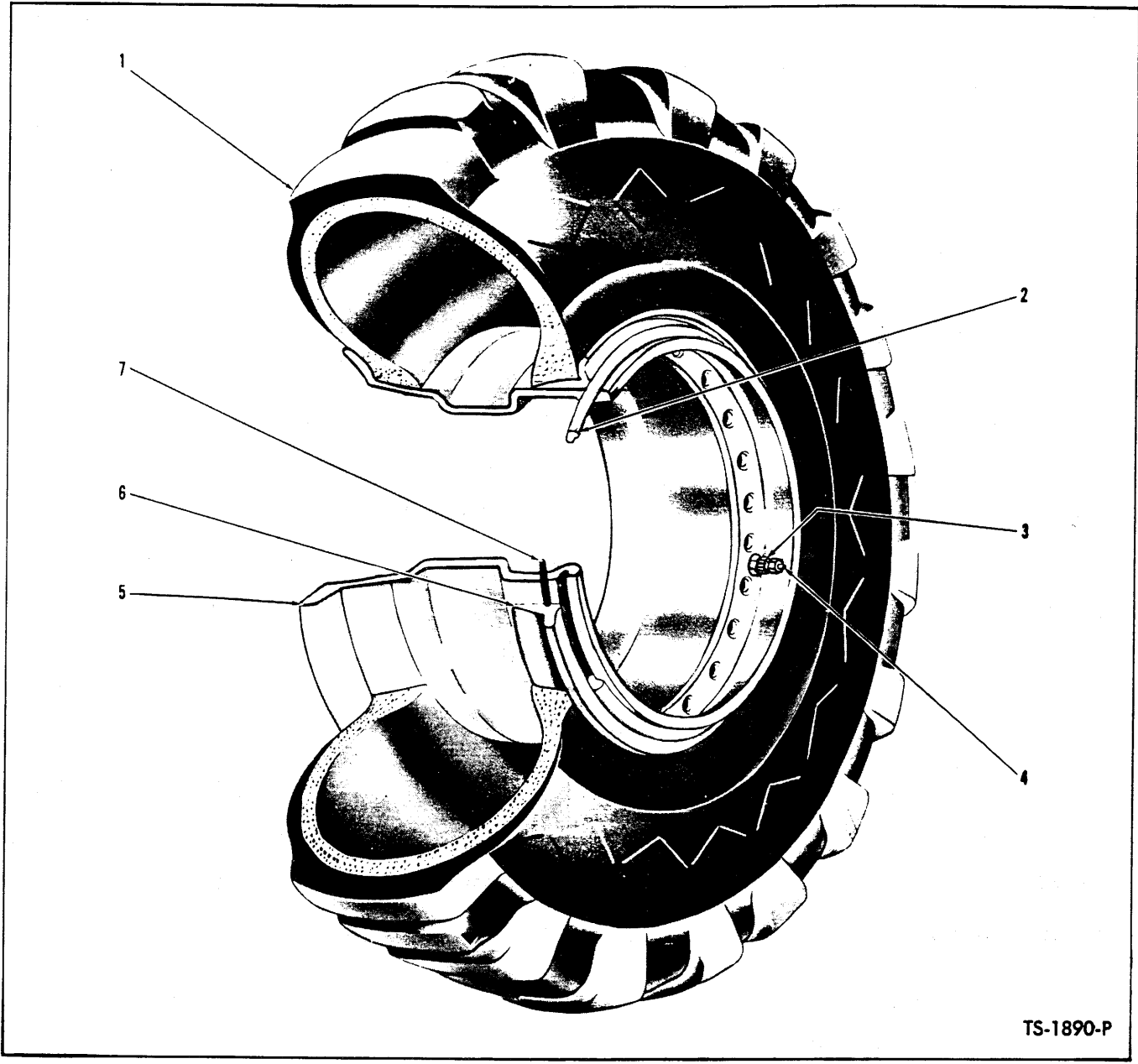
Item No.	Part No.	Description	No. Req'd.
5		SLEEVE, Piston Rod Wiper Taper	
5A	523257	For Boom & Bucket Cylinder	1
5B	530822	For Steering Cylinder	1

DECALS

Item No.	Part No.	Description	No. Req'd.
1	551740	DECAL, Michigan	2
2		OMIT	-
3		DECAL, Model	
3A	2513634	*Model 55A	2
3B	509558	Model 55B	2
4	551808	DECAL, Gear Shift	1

Item No.	Part No.	Description	No. Req'd.
5	548472	DECAL, Oil Level	2
6	538256	DECAL, Drain	3
7	552196	DECAL, Fill	1
8	548520	DECAL, Torque Converter	1
9	542074	PLATE, Patent	1
10	6C-605	SCREW, Patent Plate	4

*NOTE: Remove letter "B".



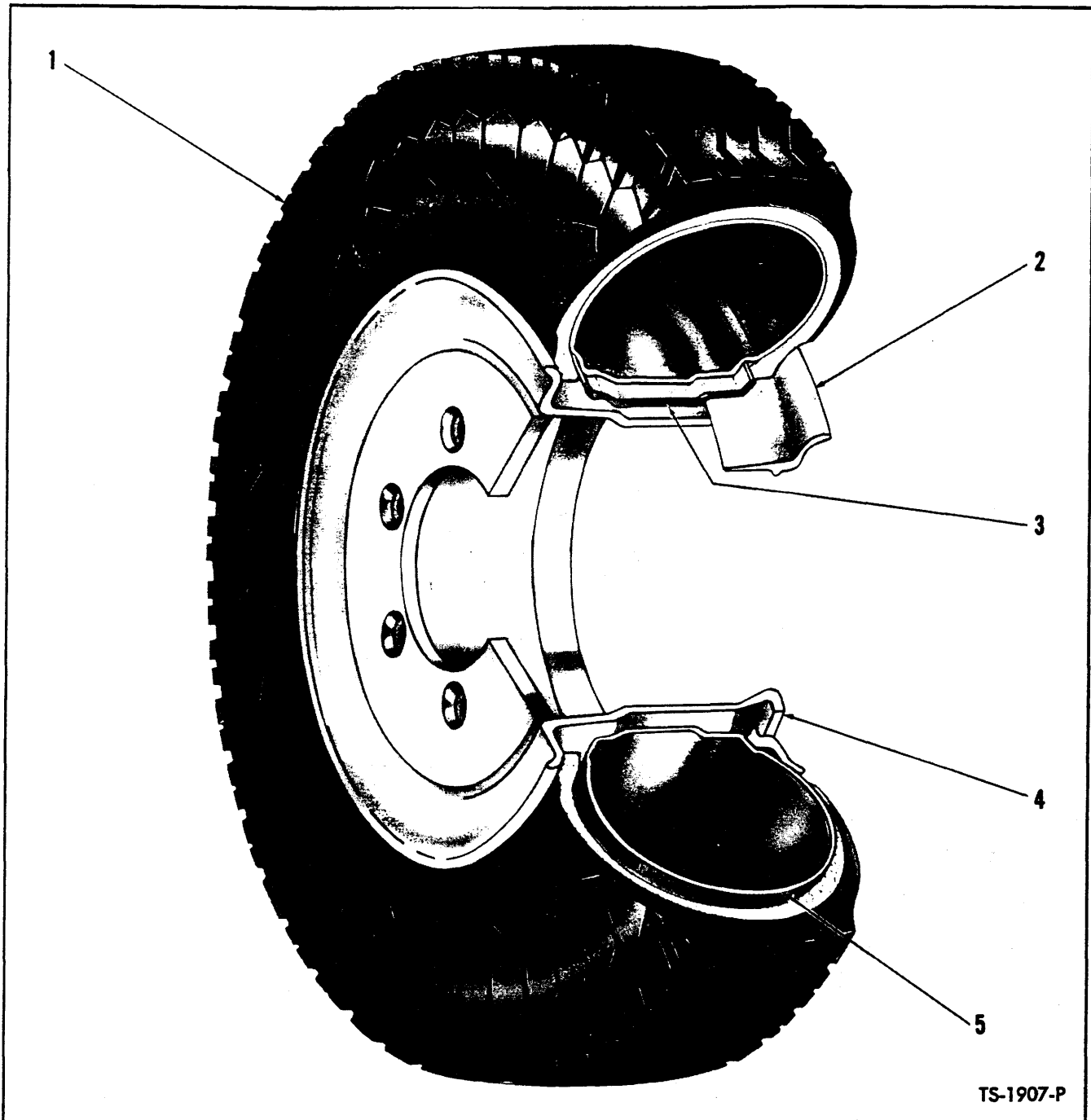
TS-1890-P

WHEEL AND TIRE DATA
(13:00 x 24 - 8 PR. Tubeless)
Models 55A and 55B

Item No.	Part No.	Description	No. Req'd.
1	-----	TIRE	4
2	524009	RING, Lock	4
3	941422	STEM, Valve (Inc. 3A)	4
3A	943658	†ADAPTER, Valve Stem	4
4	109247	CAP, Valve	4
5	524006	WHEEL	4
6	524010	FLANGE	4
7	941329	"O" RING	4

†Not Illustrated

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

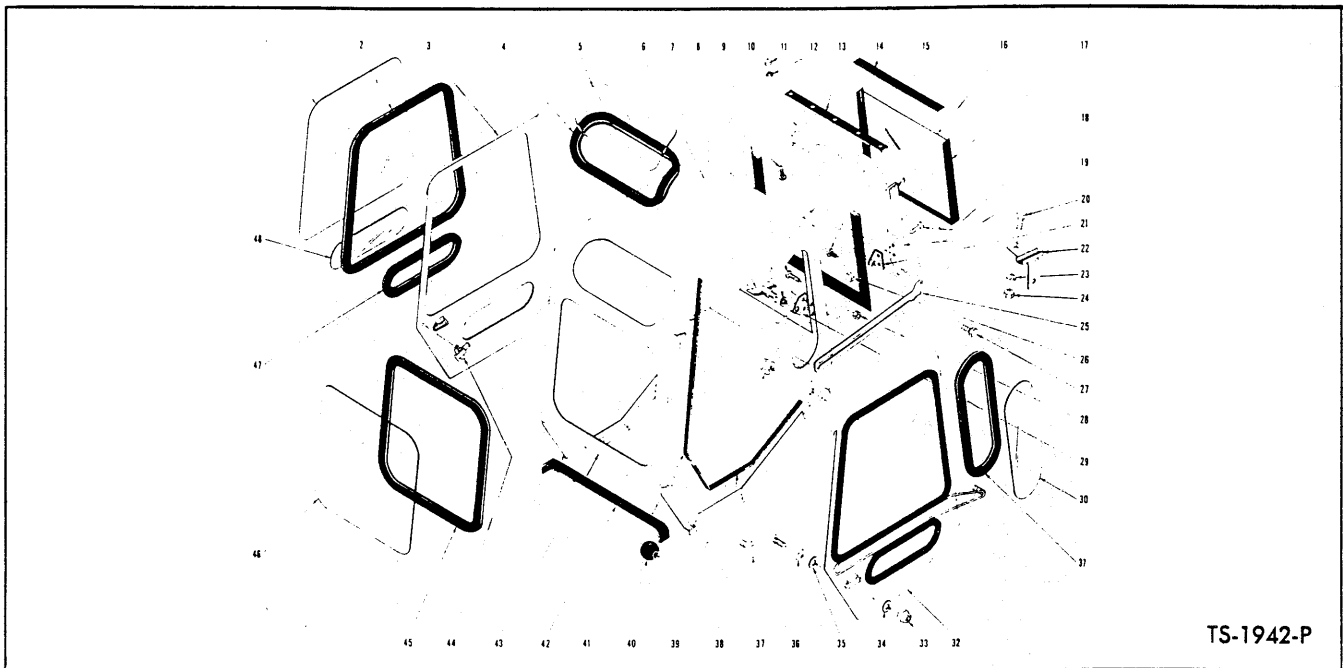


TS-1907-P

WHEEL AND TIRE DATA – WITH TUBE – MODEL 55B
(9:00 x 16 – 8 Pr. Truck Type)

Item No.	Part No.	Description	No. Req'd.
1	—	TIRE	—
2	552650	RING, Lock	2
3	—	FLAP	—
4	551111	WHEEL	2
5	—	TUBE	—

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



TS-1942-P

**CAB ASSEMBLY
Models 55A and 55B**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	528726	CAB ASSY (Inc. 1 thru 48)	1	25	940436	ARM, Rear Window Throwout	2
1	-----	GLASS PATTERN, Upper Door (See 49)	2	26	12D-10	NUT, Throwout Arm Bracket	4
2	944448	MOULDING, Upper Door Glass	2	27	1C-510	BOLT, Hinge Bracket to Cab	3
3	944436	DOOR, R.H. Panel (Inc. 44)	1	27A	25E-12	†WASHER, Hinge Bracket Bolt	3
4	940477	MOULDING, Curved Roof Glass	1	28	12D-10	NUT, Throwout Arm Bracket	4
5	940350	GLASS, Curved Roof	1	29	940437	BRACKET, Throwout Arm	2
6	940438	WING BOLT, Throwout Arm	2	30	-----	GLASS PATTERN, Quarter Panel (See 49)	2
7	25E-12	WASHER, Throwout Arm Spacer	2	31	944447	MOULDING, Quarter Panel Glass	2
8	3G-1010	SCREW, Throwout Arm Bracket	4	32	944435	DOOR & HINGE ARM ASSY, L.H. Panel	1
8A	12E-10	†LKWSHR, Bracket Screw	4	33	17D-3	NUT, Door Check Lock	1
9	944443	MOULDING, Rear Window Sides & Bottom	1	34	25E-18	WASHER, Door Check	1
10	3G-1010	SCREW, Rear Window Hinge	5	35	25E-18	WASHER, Door Check	1
11	12D-10	NUT, Hinge Screw	5	36	656427	SPACER, Door Check	1
12	4E-04	LKWSHR, Hinge Screw	5	37	944437	DOOR CHECK ASSY (Inc. 33 thru 37)	1
13	943607	EVERSEAL, Upper Rear Window Frame	1	38	944438	SPONGE, Lower Door Opening	2
14	944449	EVERSEAL, Upper Rear Window Glass	1	39	17D-10	NUT, Door Hinge Lock	1
15	4G-408	SCREW, Throwout Arm to Bracket	2	40	509772	KNOB, Door Check	1
15A	25E-12	†WASHER, Arm to Bracket Screw	2	41	943972	SPONGE, Upper Door Opening	1
16	-----	GLASS PATTERN, Rear Window (See 49)	1	42	943974	WEATHERSTRIP, Shroud to Cab	1
17	944442	EVERSEAL, Rear Window Sides & Bottom	1	43	-----	CAB (See A)	—
18	3G-1016	SCREW, Throwout Arm Bracket	4	44	356657	LATCH, R.H. Door Panel	1
18A	12E-10	†LKWSHR, Bracket Screw	4	45	940409	MOULDING, Windshield Glass	1
19	944444	FRAME, Rear Window	1	46	-----	GLASS PATTERN, Windshield (See 49)	1
20	2C-620	BOLT, Door Stop Bracket	2	47	944446	MOULDING, Lower Door Glass	2
21	940434	BRACKET, Rear Window Throwout Arm	2	48	-----	GLASS PATTERN, Lower Door (See 49)	2
22	944434	BRACKET, Door Stop	1	49	944231	†GLASS PATTERN KIT (Inc. 1, 16, 30, 46, 48)	1
23	4E-06	LKWSHR, Bracket Bolt	2	50	2C-616	†BOLT, Cab to Frame Attaching	2
24	2D-06	NUT, Bracket Bolt	2	51	2C-612	†BOLT, Cab to Frame Attaching	5
				52	2D-06	†NUT, Cab to Frame Attaching	7
				53	4E-06	†LKWSHR, Cab to Frame Attaching	7

†Not Illustrated

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