

MICHIGAN

PARTS MANUAL

No. 2726 Models 75A, B and R Tractor Shovel

Information contained herein pertains to Machine Serial

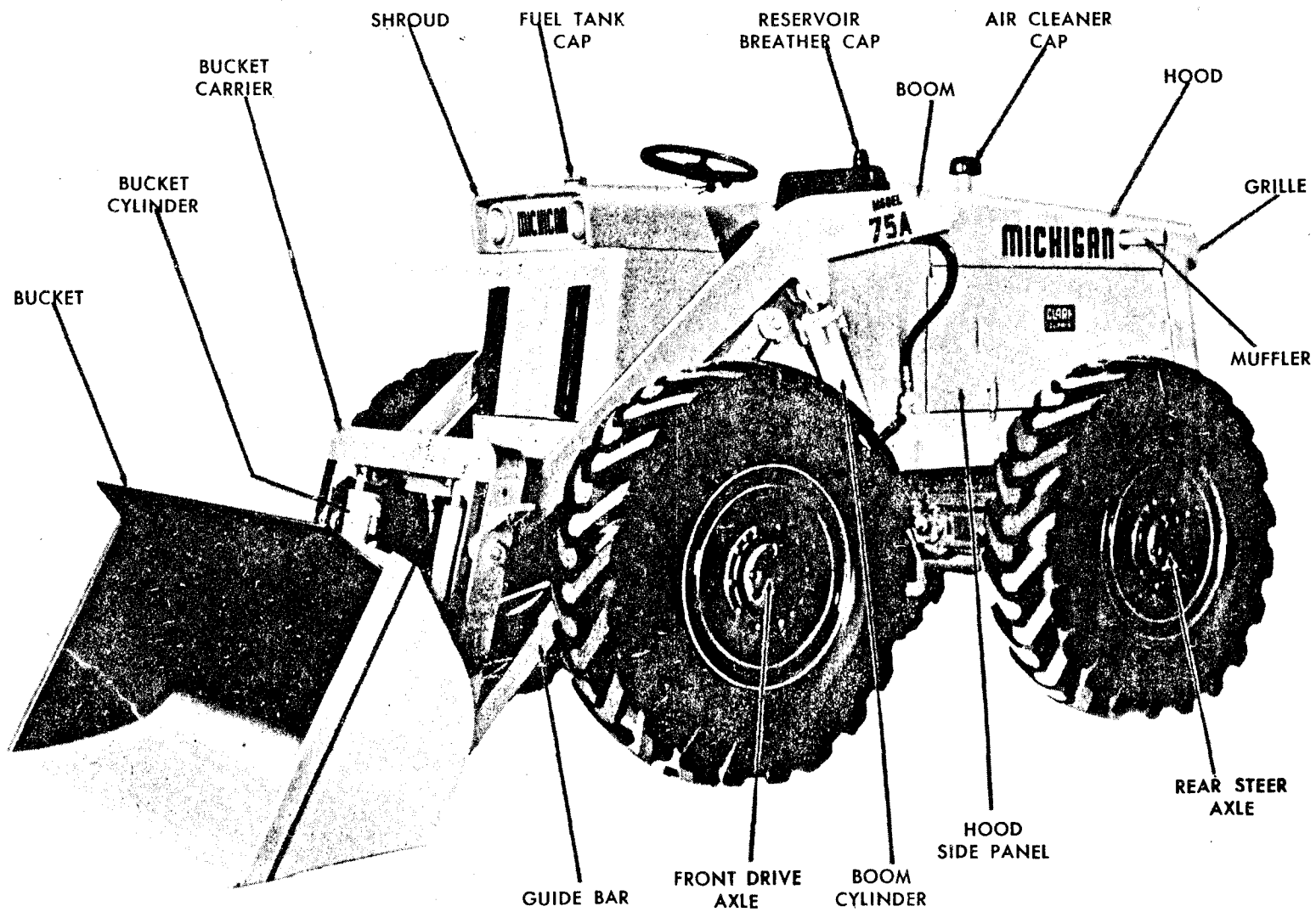
Numbers listed below:

G.M. - 8123D-12183D, 1CB893 & after

WAUKESHA - 8123-12183, 1CA3170 & after

Record Your Machine
Serial Number Here

CLARK EQUIPMENT COMPANY



MODEL 75A

TS-2770-P

WHEN ORDERING REPAIR PARTS

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

Order through your nearest Clark Distributor, for THE MICHIGAN LINE.

Always give serial number of machine.

Furnish: Quantity, Part Number and Description.

WHEN PARTS ARE RECEIVED

Check immediately for quantity, correctness and condition.

Advise your Michigan Distributor of any error.

Claims for damages, during shipment, should be made to the carrier, immediately.

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ENGINE AND ACCESSORIES - WAUKESHA

All orders for engine assembly or components thereof should be placed with the nearest Waukesha Motor Co. distributor or dealer. Always give model, specifications and serial number of your engine. This data will be found on nameplate attached to the side of the engine.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Section: ENGINE SUPPORT PARTS - GAS AND DIESEL. Rows 1-10.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Section: ENGINE ACCESSORIES - GAS AND DIESEL. Rows 11-16.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Section: GENERATOR AND PARTS - GAS AND DIESEL. Rows 17-17B.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows 18-29.

Serial Group "A": 75A GAS - 8123 thru 12183, 1CA3170 and thereafter... Serial Group "B": 75B - 6221 thru 6270...

*NOTE: For Serial: 75A GAS - 8123 thru 12183; 1CA3170 thru 1CA3418. 75A DIESEL - 8123D thru 12183D; 1CB893 thru 1CB968. **NOTE: For Serial: 75A GAS - 1CA3419 & After. 75A DIESEL - 1CB969 & After. NOTE "A": For replacement refer to Service Gram S.G. -326B.

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



ENGINE AND ACCESSORIES (Continued)

Item No.	Part No.	Description	No. Req'd.
30	652444	SPACER, Generator — Rear	1
31	2C-524	BOLT, Gen. Attaching — 1½" long	1
32	2D-05	NUT, Generator Attaching	1
33	4E-05	LKWSHR, Generator Attaching	1
34	1C-516	BOLT, Generator Attaching — 1" long	1

VOLTAGE REGULATOR — GAS AND DIESEL

Item No.	Part No.	Description	No. Req'd.
35		REGULATOR, Voltage	
35A	940105	For Serial Group "A" Below	1
35B	941520	For Serial Group "B" Below	1
36	550862	BRACKET, Regulator Mounting	1
37	2C-620	BOLT, Bracket to Frame	2
38	2D-06	NUT, Bracket to Frame	2
39	4E-06	LKWSHR, Bracket to Frame	2
40	2C-412	BOLT, Regulator to Bracket	3
41	2D-04	NUT, Regulator to Bracket	3
42	4E-04	LKWSHR, Regulator to Bracket	3

ENGINE ACCESSORIES—GAS MODEL ONLY
DISTRIBUTOR AND IGNITION CABLES

Item No.	Part No.	Description	No. Req'd.
43	940331	DISTRIBUTOR	1
44	953129	GASKET, Distributor	1
45	552842	CLAMP, Distributor	2
46	1C-618	BOLT, Clamp	2
47	4E-06	LKWSHR, Clamp	2
48	857852	CAP, Distributor	1
49	853628	POINT SET, Distributor	1
50	850091	ROTOR, Distributor	1
51	853586	COVER, Distributor (Inc. 52, 53)	1
52	853599	GASKET, Cover	1
53	853598	FELT SEAL, Cover	1
54	850085	CONDENSER, Distributor	1

Item No.	Part No.	Description	No. Req'd.
55	552856	CABLE KIT, Ignition (Inc. 56 thru 62)	1
56	552844	CABLE — No. 1 & 6 Cylinder	2
57	552845	CABLE — No. 2 & 5 Cylinder	2
58	552846	CABLE — No. 3 Cylinder	1
59	552847	CABLE — No. 4 Cylinder	1
60	652772	CABLE, Distributor to Coil	1
61	610097	NIPPLE, Distributor	7
62	610098	NIPPLE, Coil	1

IGNITION COIL

Item No.	Part No.	Description	No. Req'd.
63	940104	*COIL, Ignition	1
64	2C-510	BOLT, Coil to Regulator Bracket	2
65	2D-05	NUT, Coil to Regulator Bracket	2
66	4E-05	LKWSHR, Coil to Regulator Bracket	2

CARBURETOR

Item No.	Part No.	Description	No. Req'd.
67	990823	CARBURETOR	1
68	523347	GASKET, Carburetor to Manifold	1
69	940178	REPAIR KIT, Carburetor	1
70	940179	GASKET KIT, Carburetor	1
71	853227	JET, Adjustable	1
72	552825	STUD, Carburetor to Manifold	2
73	2D-05	NUT, Carburetor to Manifold	2
74	4E-05	LKWSHR, Carburetor to Manifold	2

FUEL PUMP

Item No.	Part No.	Description	No. Req'd.
75	941591	PUMP ASSY, Fuel (Inc. 76)	1
76	952721	GASKET, Fuel Pump	1
77	941945	REPAIR KIT, Fuel Pump	1

Serial Group "A":

- 75A GAS — 8123 thru 12183, 1CA3170 and thereafter
- 75A DIESEL — 8123D thru 12183D, 1CB893 and thereafter
- 75B — 6123 thru 6220
- 75R — 7123 thru 7183

Serial Group "B":

- 75 B — 6221 thru 6270

*NOTE: For replacement use 2503976 Coil plus 1—897894 Bracket.

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

ENGINE AND ACCESSORIES (Continued)

Item No.	Part No.	Description	No. Req'd.
78	-----	§REPAIR KIT, Diaphragm—See 77	1
79	1C-516	BOLT, Pump Attaching	2
80	952779	WASHER, Copper — Pump Attaching	2

STARTER — GAS ONLY

81	585314*	STARTER ASSY (Inc. 83, 84, 85A, 86A)	1
82	552884	SPACER, Starter (For 940137 Starter Only)	1
83	850813	ARMATURE, Starter (For D.R. # 1107842)	1
83A	871513	ARMATURE, Starter (For D.R. # 1107851)	1
84	961893	DRIVE ASSY, Starter	1
85	943413	HOUSING, Drive (For D.R. # 1107842)	1
85A	945383	HOUSING, Drive (For D.R. # 1107851)	1
86	940139	BRUSH, Starter (For D.R. # 1107842)	4
86A	871518	BRUSH, Starter (For D.R. # 1107851)	4
87	957361	STUD, Starter Mounting (For 940137 Starter)	3
88	2D-06	NUT, Mounting (For 940137 Starter)	3
89	4E-06	LKWSHR, Starter Mounting	3
90	1C-620	BOLT, Mounting (For 520901 Starter)	3
91	551530	SWITCH, Starter Magnetic	1
92	2C-414	BOLT, Switch Attaching	2
93	2D-04	NUT, Switch Attaching	2
94	4E-04	LKWSHR, Switch Attaching	2

ENGINE ACCESSORIES — DIESEL ONLY

95	-----	FUEL INJECTION PUMP — See Engine Parts Manual	—
96	-----	INJECTOR, Fuel — See Engine Parts Manual	—
97	-----	LUBE OIL FILTER — See Engine Parts Manual	—

GLOW PLUGS

98	991292	GLOW PLUG	6
99	953103	GASKET, Glow Plug	6
100	553139	HARNES, Glow Plug Wiring	1

Item No.	Part No.	Description	No. Req'd.
101	552941	BRACKET, Glow Plug Harness	1
102	2G-1210	SCREW, Bracket Attaching	1
103	14D-12	NUT, Bracket Attaching	1
104	2E-04	LKWSHR, Bracket Attaching	1
105	551530	SWITCH, Glow Plug Magnetic	1
106	2C-414	BOLT, Switch Attaching	2
107	2D-04	NUT, Switch Attaching	2
108	4E-04	LKWSHR, Switch Attaching	2

STARTER — DIESEL ONLY

109	518713	STARTER ASSY (Inc. 110 thru 114)	1
109A	946390	STARTER ASSY (Inc. 110A, 111A, 112C, 113B, 114A) (D. R. 1113639)	1
110	864539	ARMATURE, Starter	1
110A	946420	ARMATURE, Starter (For D.R. # 1113639)	1
111	864559	HOUSING, Starter Drive	1
111A	946421	HOUSING, Starter Drive (For D.R. 1113639)	1
112		<i>DRIVE ASSY, Starter</i>	
112A	864548	For Serial Group "C" Below	1
112B	874587	For Serial Group "D" Below	1
112C	891272	For D.R. # 1113639	1
113		<i>BRUSH, Starter</i>	
113A	864525	For Serial Group "C" Below	4
113B	865015	For Serial Group "D" Below & D.R. # 1113639	4
114	941992	SWITCH, Starter Solenoid	1
114A	3679957	SWITCH, Starter Solenoid (For D.R. # 1113639)	1
115	552884	SPACER, Starter Mounting	1
116	1C-628	BOLT, Starter Mounting	3
117	4E-06	LKWSHR, Starter Mounting	3

Serial Group "C":

75A — 8123D thru 10766D, 10769D, 10774D, 10777D, 10778D
 75B — 6123D thru 6223D
 75R — 7123D thru 7170D

Serial Group "D":

75A — 10767D, 10768D, 10770D thru 10773D, 10775D, 10776D, 10779D thru 12183D, 1CB893 and thereafter
 75B — 6224D thru 6270D
 75R — 7171D thru 7183D

*NOTE: 940137 Starter (Delco No. 1107821) was used on Serial 8123 thru 9082. When it becomes necessary to replace 940137 Starter use 585314 Starter (Item 81), remove 552884 Spacer item 82.

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



ENGINE AND ACCESSORIES — G.M.

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

ENGINE SUPPORTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. Lists parts 1-9 for engine supports.

ENGINE ACCESSORIES

Table with 4 columns: Item No., Part No., Description, No. Req'd. Lists parts 10-29 for engine accessories.

BATTERY, BATTERY BOX AND WIRING

Table with 4 columns: Item No., Part No., Description, No. Req'd. Lists parts 30-50 for battery and wiring.

The following parts are to be used in place of parts specified in Parts Manual.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Lists parts 51-53 for hood, reservoir, and tank.

*These parts are furnished with engine. See your local GM distributor for replacement or service on these parts.

NOTE "A" — 550855 Wire is used with 647300 Horn. 557438 is used with 733624 Horn. New Horn (733624) includes a permanent mounting bracket for identification purposes.

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

NOTES

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



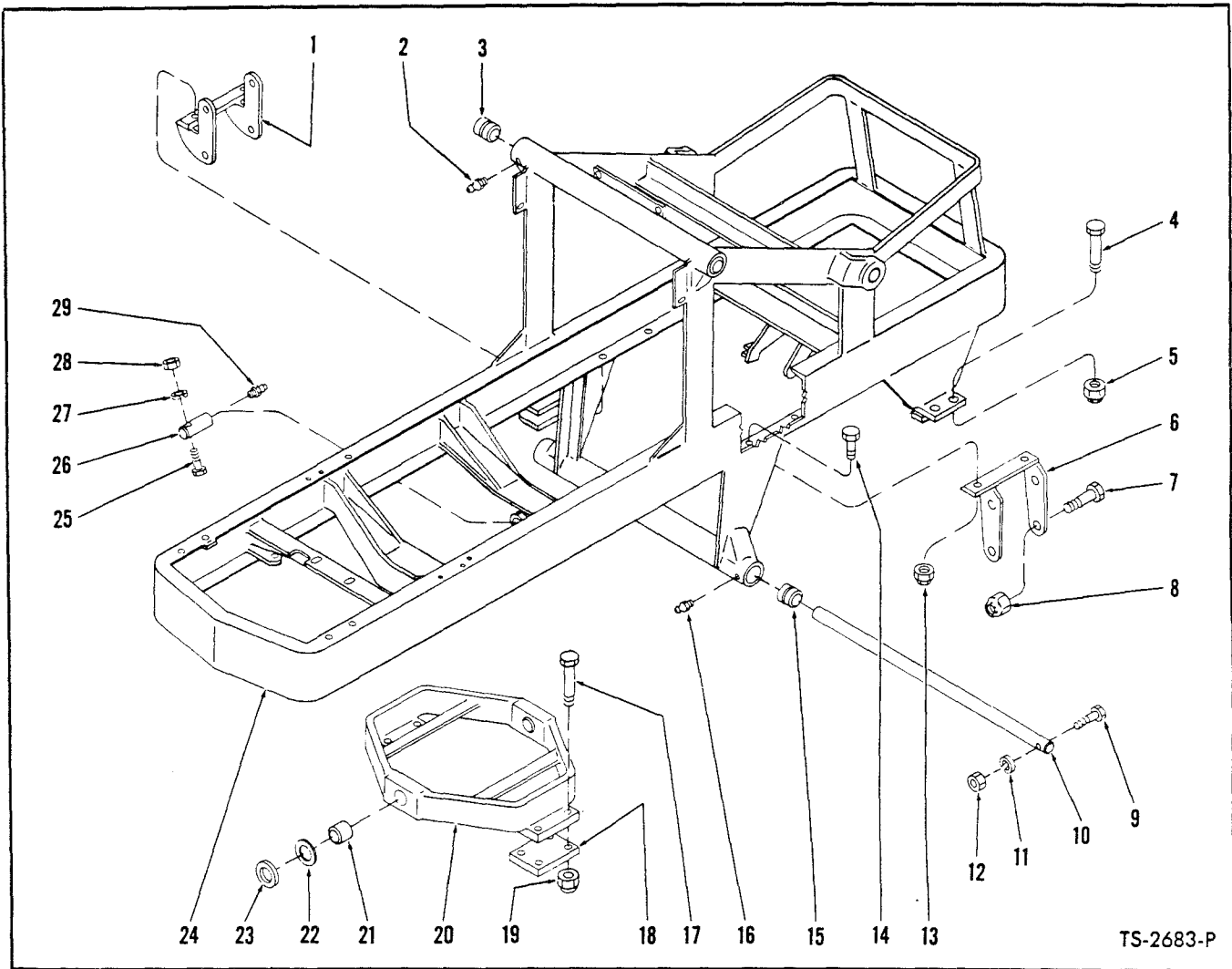
**CONSTRUCTION MACHINERY DIVISION
DECALS AND PLATES**



Item No.		75-A	75-B	75-R	No. Req'd.
1	DECAL, Michigan	547852	547852	547852	2
2	DECAL, Clark Equipment	547851	547851	547851	2
3	DECAL, Model	551798	551799	551800	2
4	DECAL, Gear Shift	548474	551808	551808	1
5	DECAL, Oil Level – Reservoir & Trans.	548472	548472	548472	2
6	DECAL, Drain – Transmission	538256	538256	538256	1
7	DECAL, Fill – Torque Conv. & Trans.	548473	548473	548473	1
8	DECAL, Torque Conv. – On Instrument Panel	548520	548520	548520	1
9	DECAL, Cold Starting	517224	517224	517224	1
10	DECAL, Starter	538258	538258	538258	1
11	DECAL, Switch Identification	548521	548521	548521	1
12	DECAL, Safety Precaution	522549	522549	522549	1
13	PLATE, Lubrication Instruction	1510525	1510525	1510525	1
14	SCREW, Lubrication Instruction Plate Attaching ..	6C-605	6C-605	6C-605	4
15	PLATE, Patent	542074	542074	542074	1
16	SCREW, Patent Plate Attaching	6C-605	6C-605	6C-605	4

NOTES

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

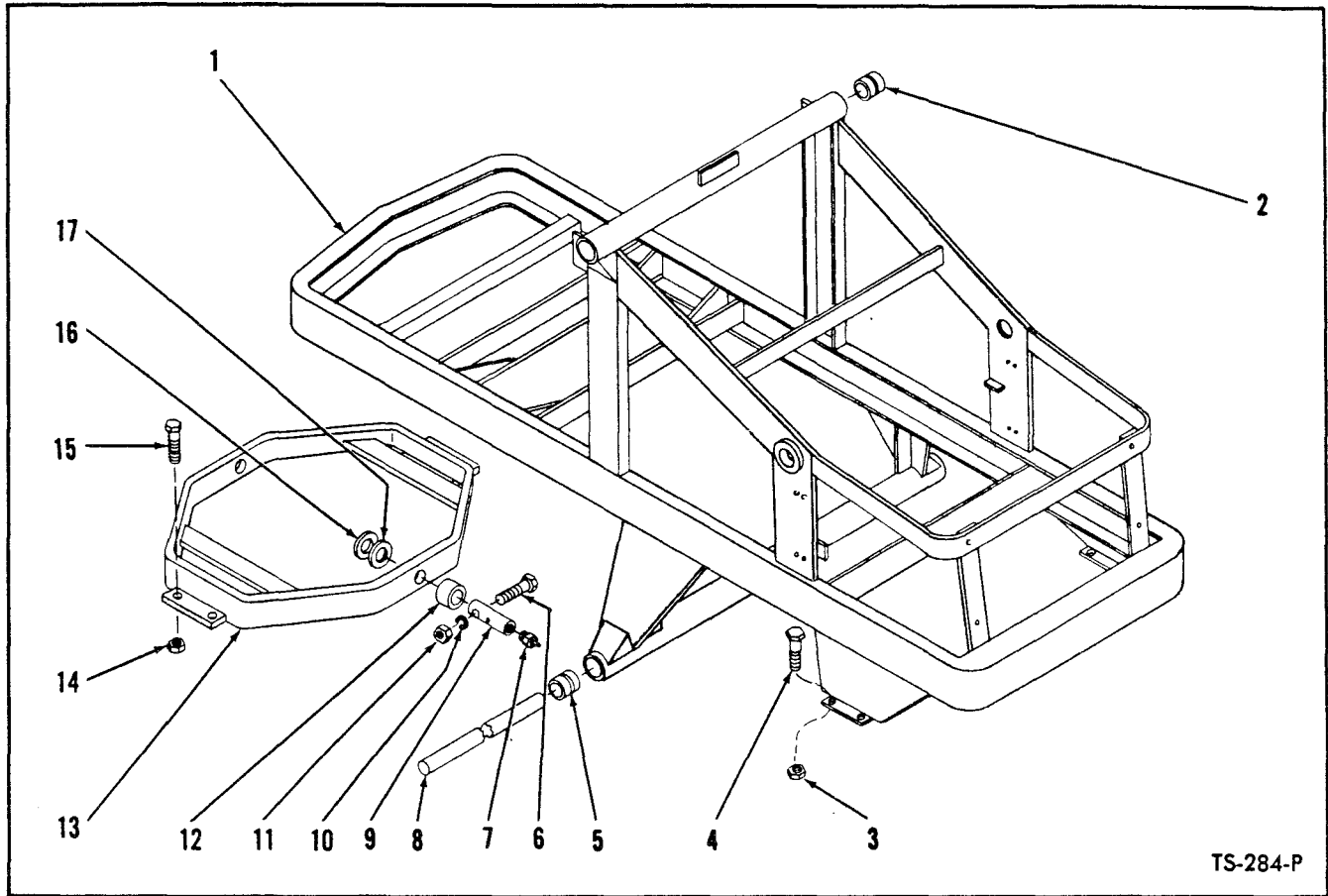


FRAME, TRANSMISSION MOUNTS AND AXLE MOUNTS – MODEL 75A-WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550576	MOUNT, Transmission – L.H.	1	20	536645	CRADLE ASSY, Rear Axle (Inc. 21)	1
2	10H-25	FITTING, Pivot Tube Grease	2	21	550066	BUSHING, Cradle	2
3	550010	BUSHING, Upper Pivot Tube	2	22	551348	‡WASHER, Cradle to Frame – 1/8"	—
4	24C-12112	BOLT, Front Axle to Frame	8	23	551347	‡WASHER, Cradle to Frame – 1/8"	—
5	68D-12	NUT, Front Axle to Frame	8	24		FRAME ASSY (Inc. 3, 15)	
6	550572	MOUNT, Transmission – R.H.	1	24A	550000	For Serial 8123 thru 10222, 10240 & 10247 thru 10251	1
7	2C-1044	BOLT, Transmission to Mount	8	24B	514265	For Serial: GAS – 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 & thereafter	1
8	18D-10	NUT, Transmission to Mount	8			DIESEL – 10223D thru 12183D, 1CB893 & thereafter	1
9	2C-872	BOLT, Shaft Retaining	2	25	2C-856	BOLT, Pin Retaining	2
10	550070	SHAFT, Boom Cylinder Pivot	1	26	550069	PIN, Cradle Pivot	2
11	4E-08	LKWSHR, Shaft Retaining	2	27	4E-08	LKWSHR, Pin Retaining	2
12	2D-08	NUT, Shaft Retaining	2	28	2D-08	NUT, Pin Retaining	2
13	68D-08	NUT, Mount to Frame	4	29	15H-15	FITTING, Cradle Pin Grease	2
14	18C-836	BOLT, Mount to Frame	4				
15	550010	BUSHING, Lower Pivot Tube	2				
16	10H-25	FITTING, Pivot Tube Grease	2				
17	24C-12128	BOLT, Rear Axle to Cradle	8				
18	538831	PAD, Rear Axle Mount	2				
19	68D-12	NUT, Rear Axle to Cradle	8				

*NOTE: 68D-12 Nut (Item 5) must be used with 24C-12112 (7" long) Bolt.
‡As Required

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



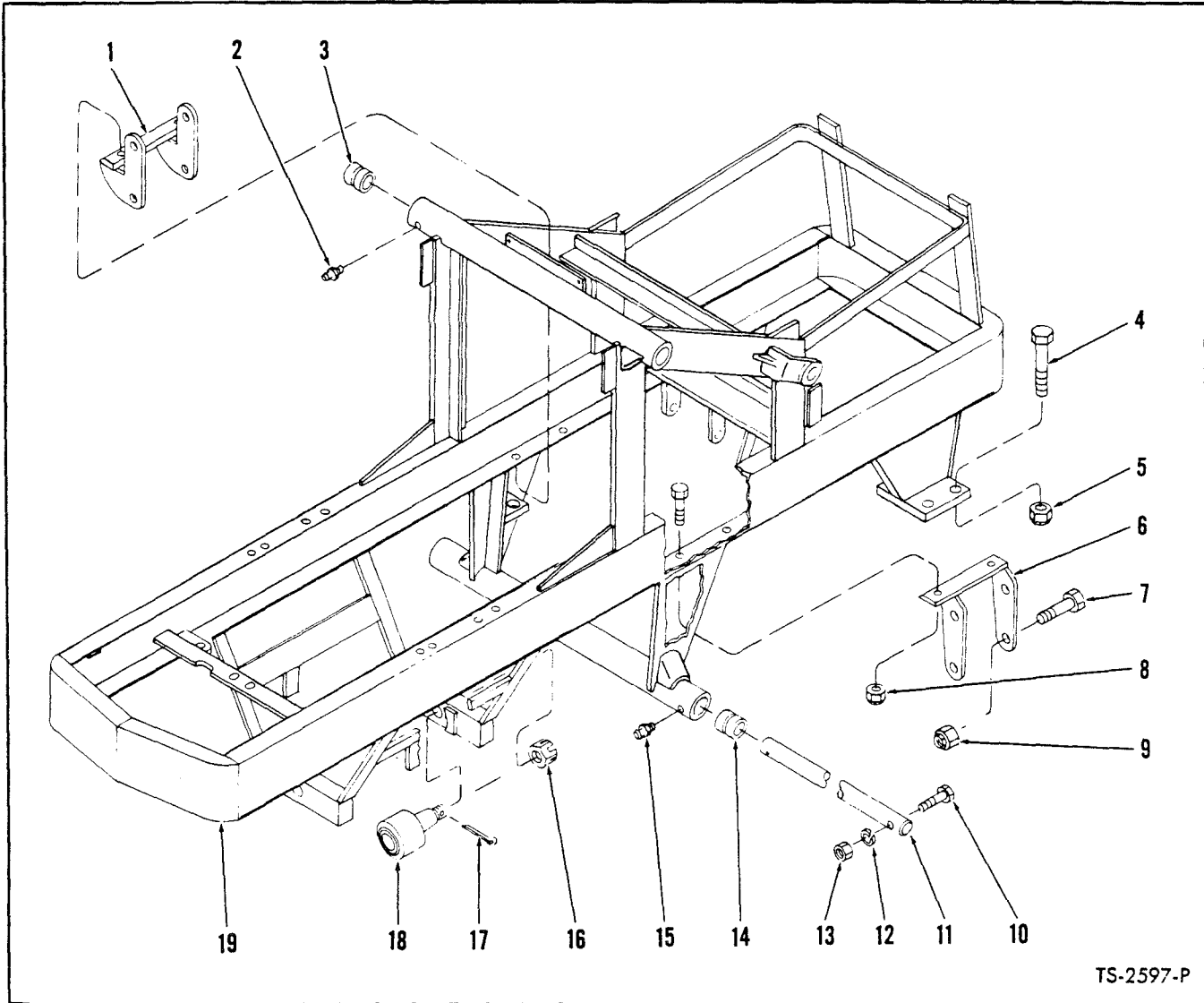
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FRAME ASSEMBLY—G.M.

Item No.	Part No.	Description	No. Req'd.
1	900147	FRAME ASSY (Inc. 2, 5)	1
2	550010	BUSHING, Upper Pivot Tube	2
3	18D-12	NUT, Front Axle to Frame	8
4	14C-12112	BOLT, Front Axle to Frame	8
5	550010	BUSHING, Lower Pivot Tube	2
6	2C-856	BOLT, Pin Retaining	2
7	15H-15	FITTING, Cradle Grease	2
8	550070	SHAFT, Boom Cylinder to Frame	1
9	550069	PIN, Cradle Pivot	2
10	4E-08	LKWSHR, Pin Retaining Bolt	2
11	2D-08	NUT, Pin Retaining Bolt	2
12	550066	BUSHING, Cradle	2
13	536645	CRADLE ASSY (Inc. 12)	1
14	18D-12	NUT, Rear Axle to Frame	8
15	14C-12128	BOLT, Rear Axle to Frame	8
16	551348	‡WASHER, Cradle to Frame	—
17	551347	‡WASHER, Cradle to Frame	—
18	538831	†PAD, Rear Axle to Frame	2

‡As Required
†Not Illustrated

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

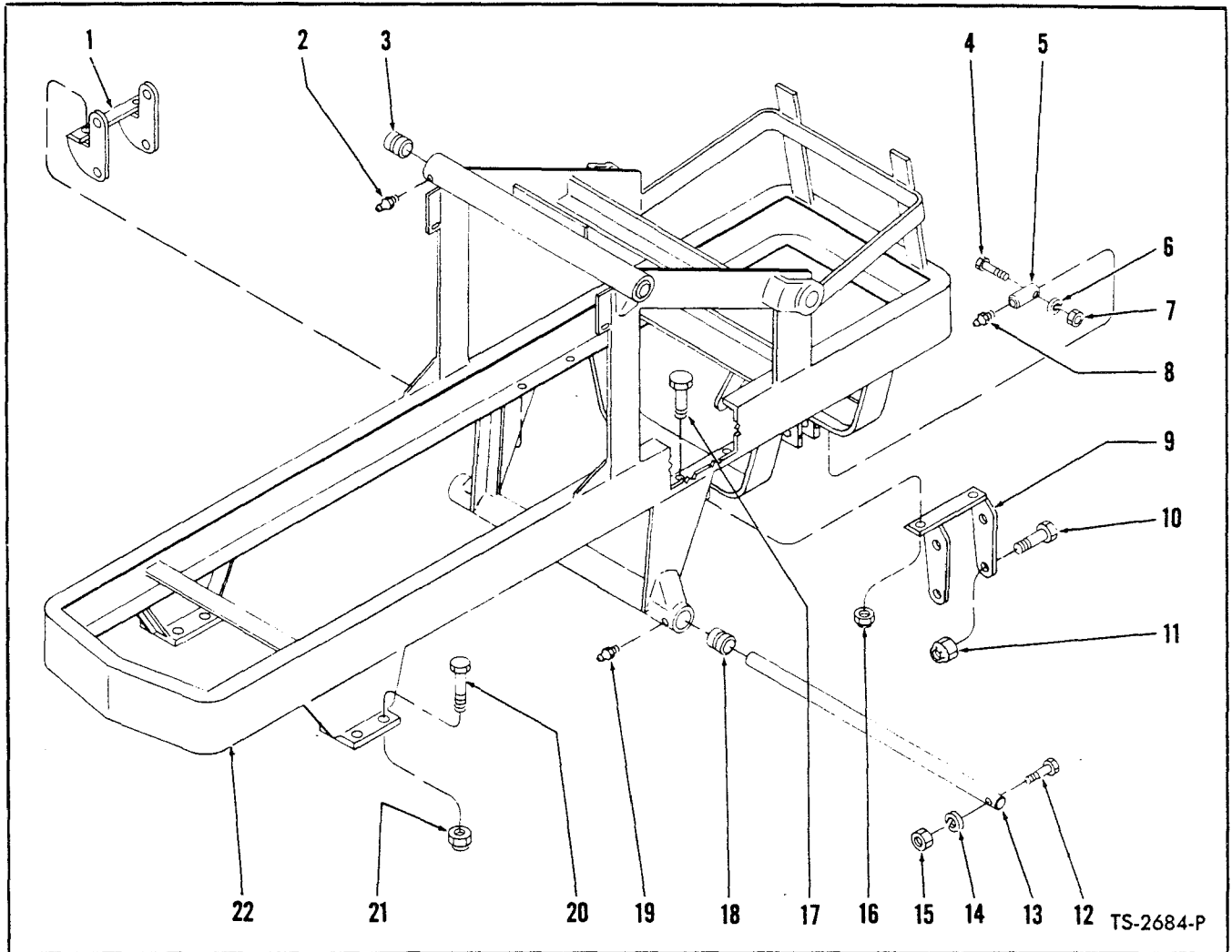


FRAME ASSEMBLY AND TRANSMISSION MOUNTS — MODEL 75B-WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550576	MOUNT, Transmission — L.H.	1	13	2D-08	NUT, Shaft Retaining	2
2	10H-2	FITTING, Upper Pivot Tube Grease	2	14	550010	BUSHING, Lower Pivot Tube	1
3	550010	BUSHING, Upper Pivot Tube	2	15	10H-2	FITTING, Lower Pivot Tube Grease	2
4	24C-12112	*BOLT, Axle to Frame	8	16	4D-24	NUT, Axle Pivot Pin	1
5	68D-12	NUT, Axle to Frame	8	17	1F-848	COTTER, Pivot Pin Nut	1
6	550572	MOUNT, Transmission — R.H.	1	18	626561	PIN ASSY, Axle Pivot (Inc. 18A, 18B)	1
7	2C-1044	BOLT, Transmission to Mount	8	18A	626515	†PIN, Axle Pivot	1
8	68D-08	NUT, Mount to Frame	4	18B	626516	†BUSHING, Pivot Pin	1
9	18D-10	NUT, Transmission to Mount	8	19		FRAME ASSY (Inc. 3, 14)	
10	2C-872	BOLT, Shaft Retaining	2	19A	550105	For Serial 6123 thru 6200	1
11	550070	SHAFT, Boom Cylinder Pivot	1	19B	517076	For Serial 6201 thru 6270	1
12	4E-08	LKWSHR, Shaft Retaining	2				

*NOTE: 68D-12 Nut (Item 5) must be used with 24C-12112 Bolt.
 †Not Illustrated

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

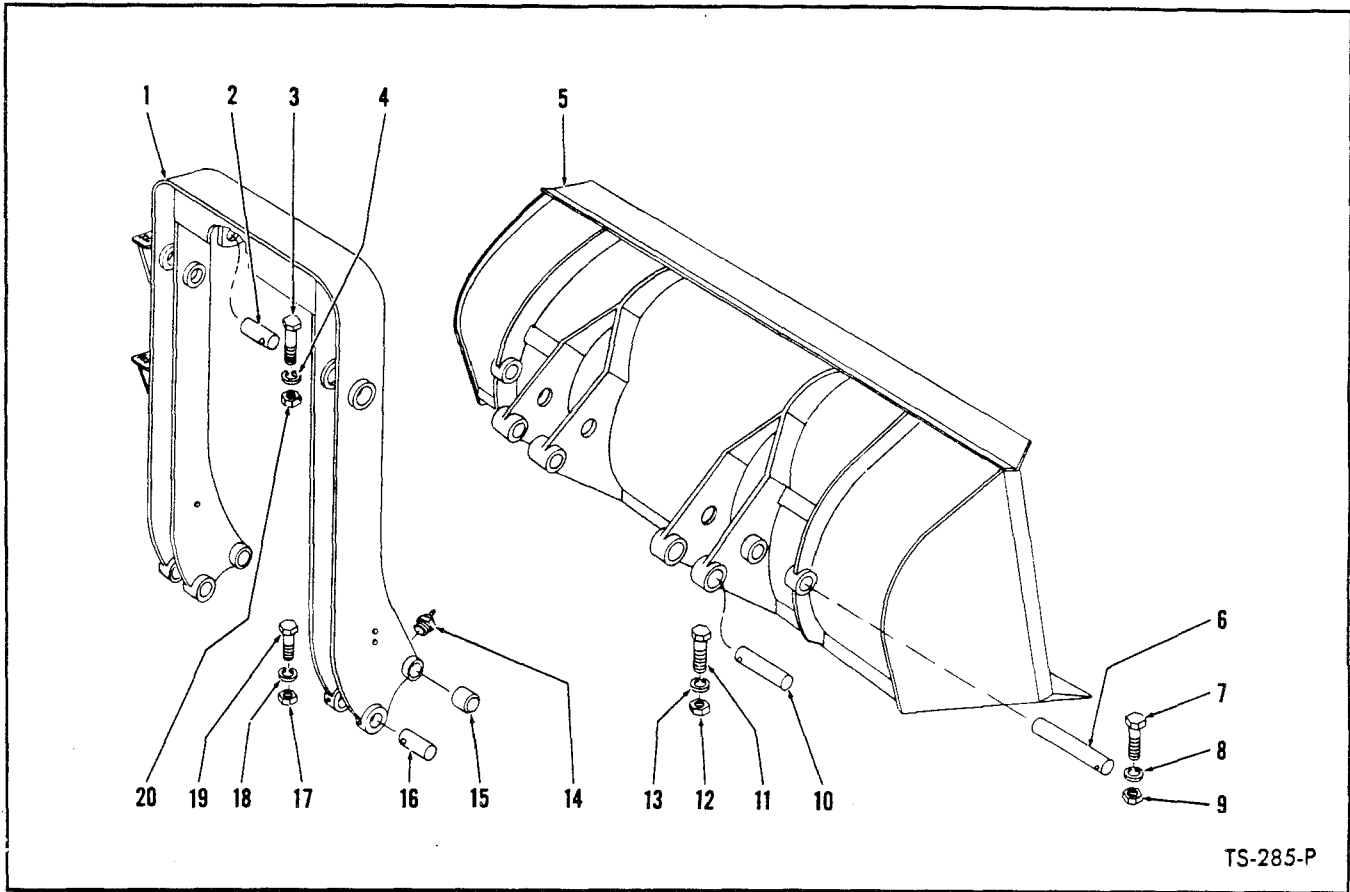


FRAME ASSEMBLY AND TRANSMISSION MOUNTS — MODEL 75R-WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550576	MOUNT, Transmission — L.H.	1	14	4E-08	LKWSHR, Shaft Retaining	2
2	10H-2	FITTING, Pivot Tube Grease	2	15	2D-08	NUT, Shaft Retaining	2
3	550010	BUSHING, Upper Pivot Tube	2	16	68D-08	NUT, Mount to Frame	4
4	2C-672	BOLT, Pivot Pin Retaining	2	17	18C-836	BOLT, Mount to Frame	4
5	550120	PIN, Axle Pivot	2	18	550010	BUSHING, Lower Pivot Tube	2
6	4E-06	LKWSHR, Pivot Pin Retaining	2	19	10H-2	FITTING, Pivot Tube Grease	2
7	2D-06	NUT, Pivot Pin Retaining	2	20	24C-12112	*BOLT, Rear Axle to Frame	8
8	11H-15	FITTING, Pivot Pin Grease	2	21	68D-12	NUT, Rear Axle to Frame	8
9	550572	MOUNT, Transmission — R.H.	1	22		FRAME ASSY (Inc. 3, 18)	
10	2C-1044	BOLT, Transmission to Mount	8	22A	550112	For Serial 7123 thru 7154	1
11	18D-10	NUT, Transmission to Mount	8	22B	517087	For Serial 7155 thru 7184	1
12	2C-872	BOLT, Shaft Retaining	2				
13	550070	SHAFT, Boom Cylinder Pivot	1				

*NOTE: 68D-12 Nut (Item 21) must be used with 24C-12112 (7" long) Bolt.

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



BUCKET AND CARRIER

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	548152	CARRIER ASSY, Bucket (Inc. 15)	1	11	2C-656	BOLT, Pin Retaining	2
2	550208	PIN, Cylinder to Carrier	2	12	2D-06	NUT, Pin Retaining	2
3	2C-672	BOLT, Pin Retaining	2	13	4E-06	LKWSHR, Pin Retaining	2
4	4E-06	LKWSHR, Pin Retaining	2	14	11H-15	FITTING, Carrier Grease	2
5	-----	BUCKET ASSY — (See Chart Below)	—	15	550206	BUSHING, Carrier	4
6	552550	PIN, Carrier to Bucket	2	16	550207	PIN, Guide Bar to Carrier	2
7	2C-648	BOLT, Pin Retaining	2	17	2D-06	NUT, Pin Retaining	2
8	4E-06	LKWSHR, Pin Retaining	2	18	4E-06	LKWSHR, Pin Retaining	2
9	2D-06	NUT, Pin Retaining	2	19	2C-648	BOLT, Pin Retaining	2
10	550231	PIN, Cylinder to Bucket	2	20	2D-06	NUT, Pin Retaining	2

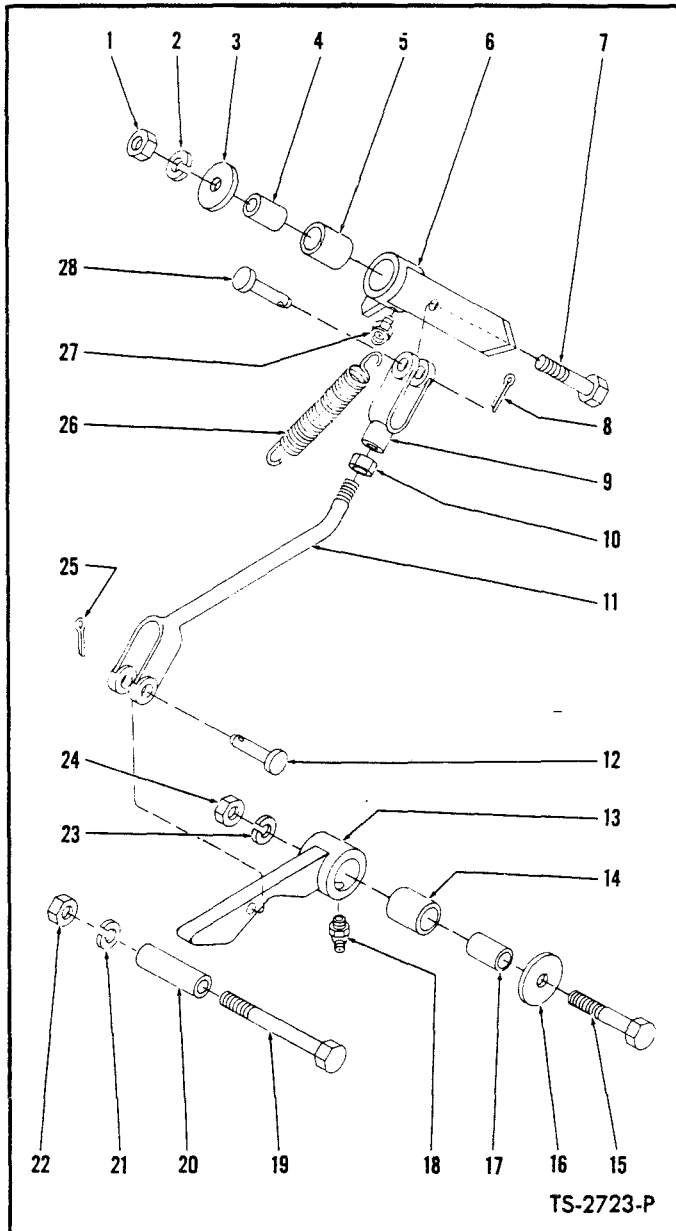
BUCKET ASSEMBLY DATA

BUCKET		MAIN CUTTING EDGE			SIDE CUTTING EDGE			
Width	Part No.	Part No.	Size	Approx. Wt.	R. H. Part. No.	L. H. Part No.	Size	Wt.
60"	552154	552865	1 x 9 x 61	136	*552868	*552869	½ x 3 x 37 1/16	14
73"	550210	552598	1 x 9 x 73	164	*550218	*550216	½ x 3 x 35 1/16	13
79"	509491	553441	1 x 9 x 79	177	*550218	*550216	½ x 3 x 35 1/16	13
85"	551711	534113	1 x 9 x 85	190	*551815	*551816	½ x 3 x 38 1/16	14
97"	519495	551765	1 x 9 x 97	218	*551769	*551770	½ x 3 x 44	16

*NOTE: ½" x 3" x 10" segments are available for above side cutting edges, 940173 R.H. and 940172 L.H. — approximate wt., 4 lbs.

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

BUCKET INDICATOR

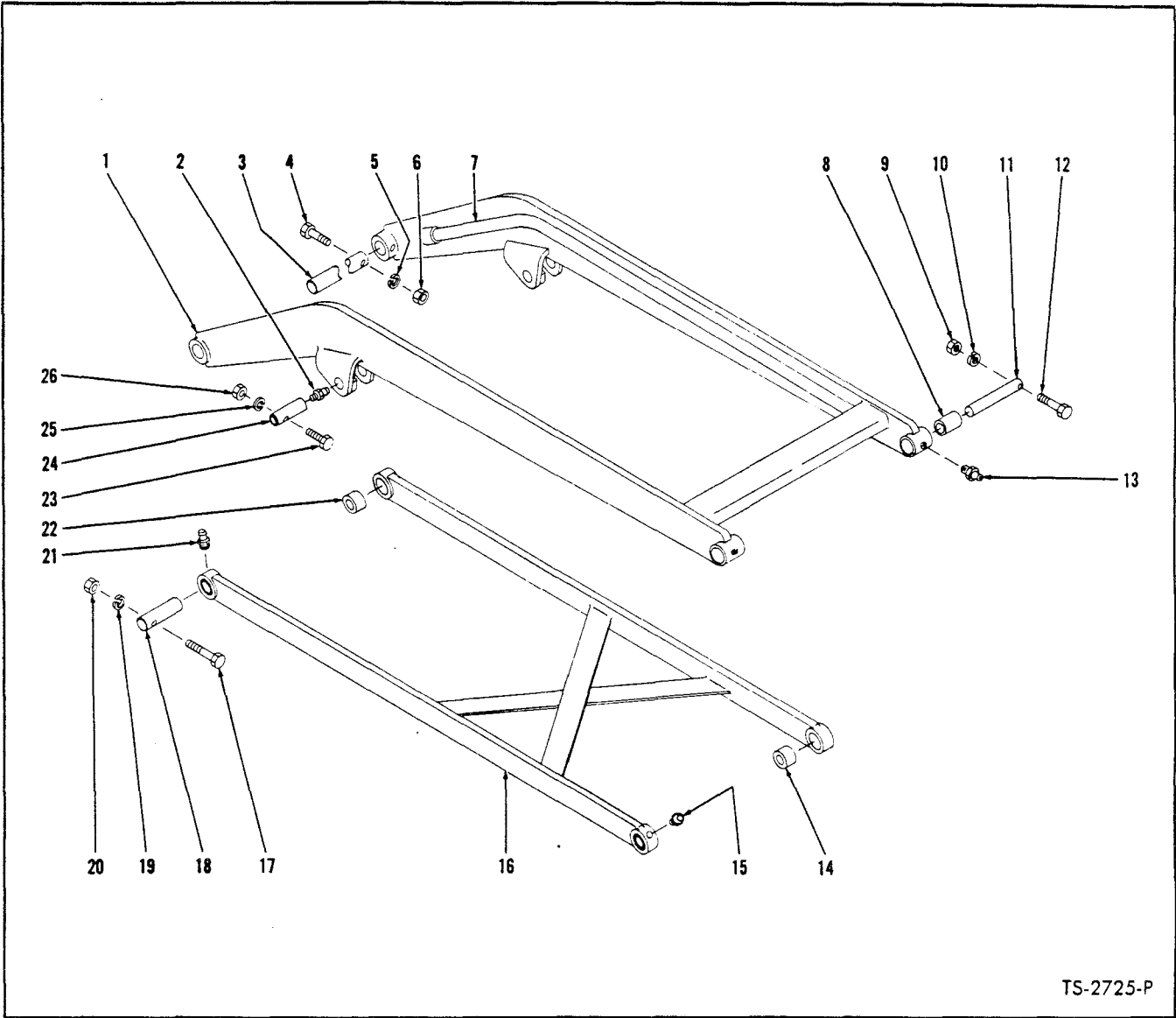


Item No.	Part No.	Description	No. Req'd.
1	2D-08	NUT, Pointer Arm to Bucket	1
2	4E-08	LKWSHR, Pointer Arm to Bucket	1
3	616796	WASHER, Pointer Arm to Bucket	1
4	550646	SLEEVE, Pointer Arm	1
5	526767	BUSHING, Pointer Arm	1
6	551521	ARM, Pointer	1
7	2C-840	BOLT, Pointer Arm to Bucket	1
8	1F-414	COTTER, Clevis Pin	1
9	2J-8300	CLEVIS, Rod to Pointer Arm	1
10	8D-08	NUT, Clevis Jam	1
11	552409	ROD, Bucket Indicator	1
12	4F-08127	PIN, Rod to Cam	1
13	551517	CAM, Indicator	1
14	526767	BUSHING, Cam	1
15	2C-844	BOLT, Cam to Bucket	1
16	616796	WASHER, Cam to Bucket	1
17	550646	SLEEVE, Cam	1
18	12H-15	FITTING, Cam Grease	1
19	1C-1072	BOLT, Tube to Carrier	1
20	551523	TUBE, Indicator	1
21	4E-10	LKWSHR, Tube to Carrier	1
22	1D-10	NUT, Tube to Carrier	1
23	4E-08	LKWSHR, Cam to Bucket	1
24	2D-08	NUT, Cam to Bucket	1
25	1F-414	COTTER, Clevis Pin	1
26	551644	SPRING, Pointer Return	1
27	12H-15	FITTING, Pointer Grease	1
28	4F-08127	PIN, Clevis to Pointer	1

BUCKET TEETH CHART

Bucket Width	One Piece Tooth No.	Replaceable Tip Tooth No.	No. Required	Replaceable Tip No.	Replaceable Tip Pin No:
60"	552154	529968	6	529970	529971
73"	552154	529968	7	529970	529971
79"	552154	529968	8	529970	529971
85"	552154	529968	8	529970	529971
97"	552154	529968	9	529970	529971

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

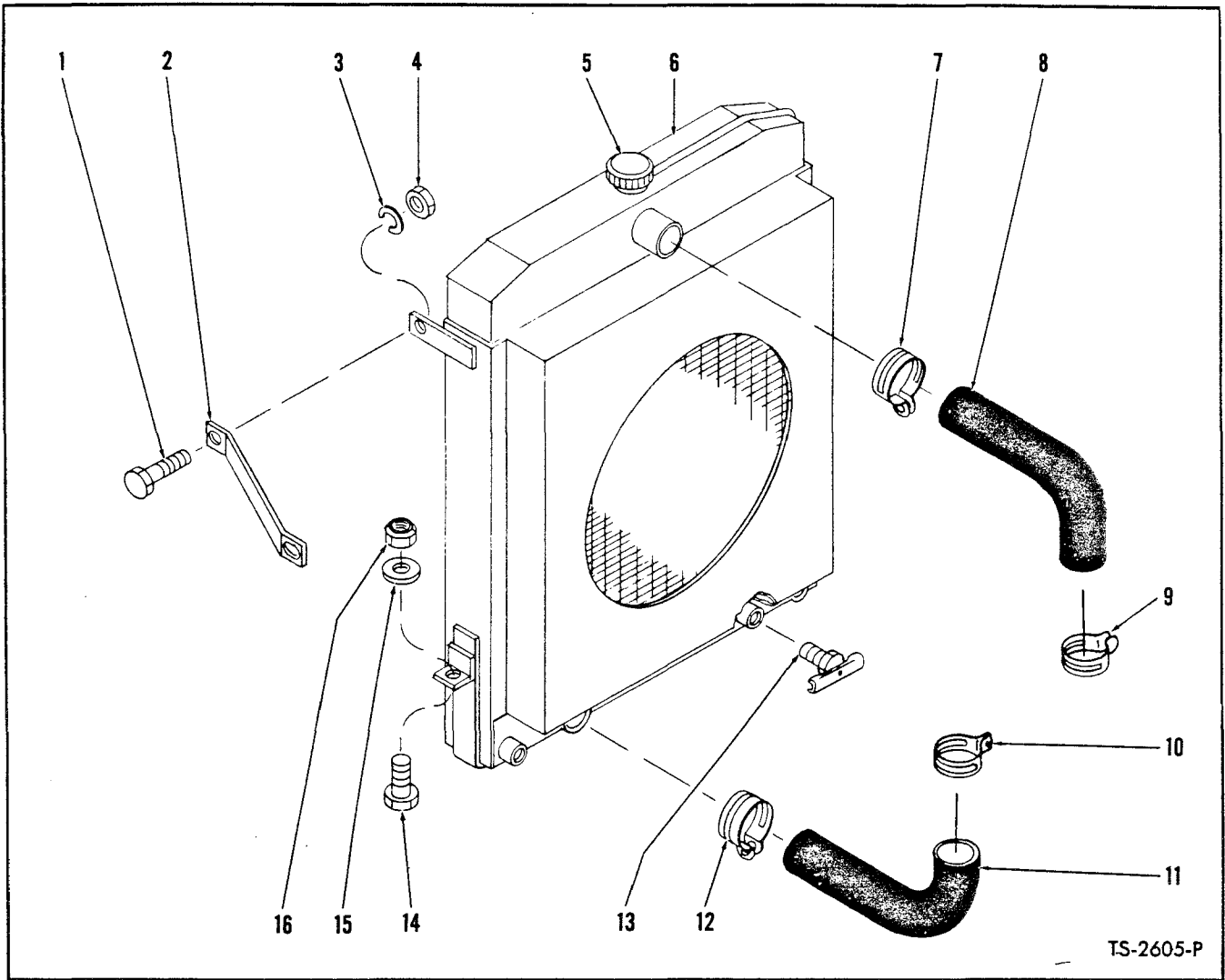


TS-2725-P

BOOM AND GUIDE BAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		BOOM ASSY		14	550143	BUSHING, Guide Bar to Carrier	2
1A	550130	For Standard Machines (Inc. 7, 7A)	1	15	11H-25	FITTING, Guide Bar Grease	2
1B	512948	For Tractor Logger Machines	1	16	512991	GUIDE BAR ASSY (Inc. 12, 20)	2
2	10H-35	FITTING, Boom Cylinder Pin Grease	2	17	2C-876	BOLT, Pin Retaining	2
3	550178	SHAFT, Boom Pivot	1	18	550188	PIN, Guide Bar to Frame	2
4	2C-876	BOLT, Pivot Shaft Retaining	2	19	4E-08	LKWSHR, Pin Retaining	2
5	4E-06	LKWSHR, Pivot Shaft Retaining	2	20	2D-08	NUT, Pin Retaining	2
6	2D-06	NUT, Pivot Shaft Retaining	2	21		FITTING, Guide Bar Grease - Rear	
7	550144	PIPE, Boom - R.H.	1	21A	10H-35	For bosses with 1/4" - 28 thread	2
7A	550176	PIPE, Boom - L.H.	1	21B	11H-15	For bosses with 1/8" pipe thread	2
8	550143	BUSHING, Boom to Carrier	2	22	550191	BUSHING, Guide Bar to Frame	2
9	2D-06	NUT, Pin Retaining	2	23	2C-648	BOLT, Pin Retaining	2
10	4E-06	LKWSHR, Pin Retaining	2	24	550179	PIN, Boom Cylinder to Boom	2
11	550207	PIN, Boom to Carrier	2	25	4E-06	LKWSHR, Pin Retaining	2
12	2C-648	BOLT, Pin Retaining	2	26	2D-06	NUT, Pin Retaining	2
13	10H-25	FITTING, Boom Grease	2				

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



TS-2605-P

RADIATOR AND CONNECTIONS-WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-620	BOLT, Clip to Radiator	2	7	784663	CLAMP, Hose	1
2		CLIP, Radiator to Grille		8	550590	HOSE, Upper Radiator	1
2A	550589	For Serial Group "A" Below	2	9	784663	CLAMP, Hose	1
2B	514658	For Serial Group "B" Below	2	10	784663	CLAMP, Hose	1
3	4E-06	LKWSHR, Clip to Radiator	2	11	550591	HOSE, Lower Radiator	1
4	2D-06	NUT, Clip to Radiator	2	12	784663	CLAMP, Hose	1
5	351495	CAP, Radiator	1	13	73F-2	DRAIN COCK, Radiator	1
6	550588	RADIATOR	1	14	2C-828	BOLT, Radiator to Frame	2
				15	518233	PAD, Radiator to Frame	2
				16	21D-08	NUT, Radiator to Frame	2

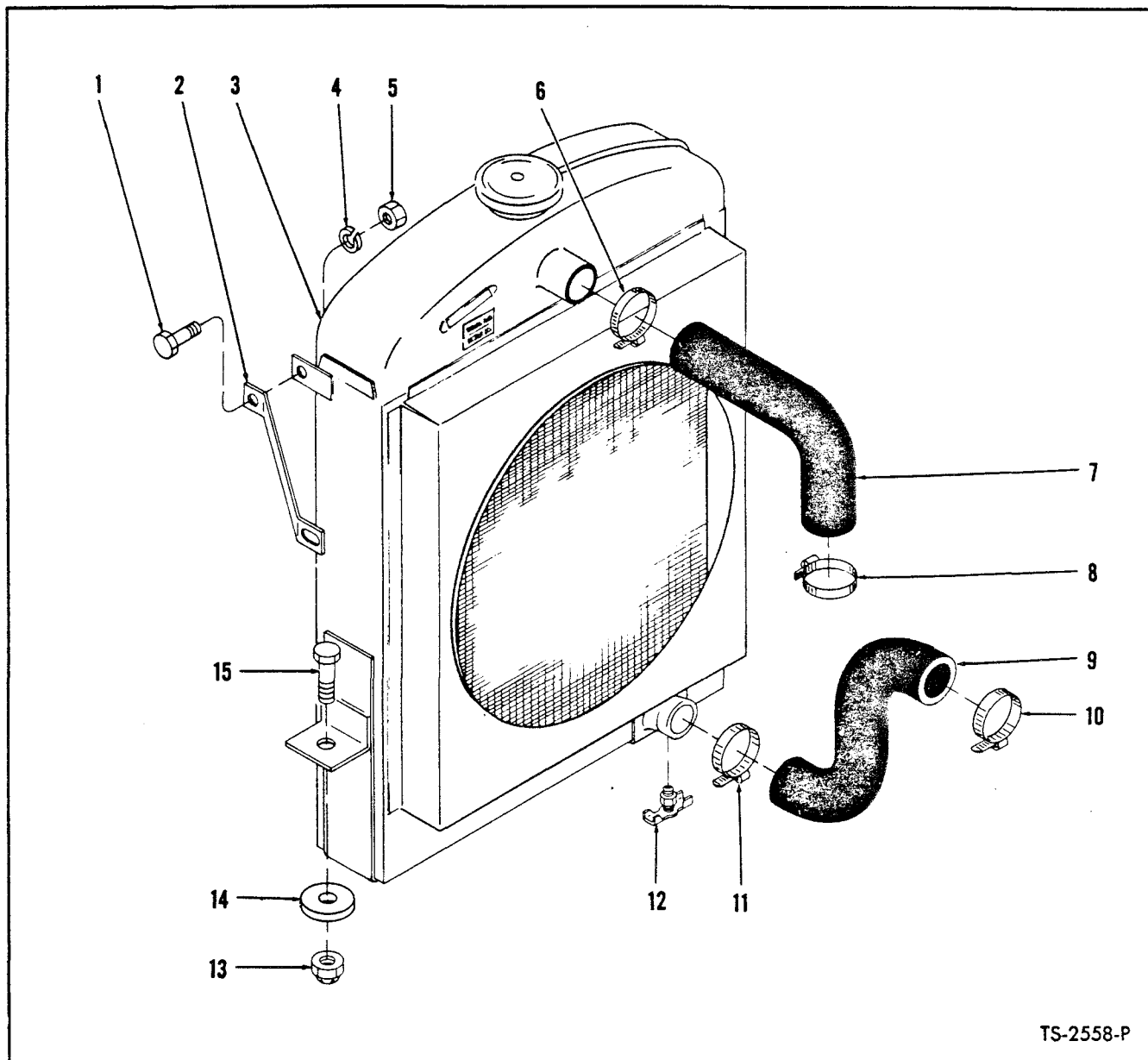
Serial Group "A":

- 75A — 8123 thru 10222, 10240 and 10247 thru 10251
- 75B — 6123 thru 6200
- 75R — 7123 thru 7154

Serial Group "B":

- 75A GAS — 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 and thereafter
- 75A DIESEL — 10223D thru 12183D, 1CB893 and thereafter
- 75B — 6201 thru 6270
- 75R — 7155 thru 7183

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



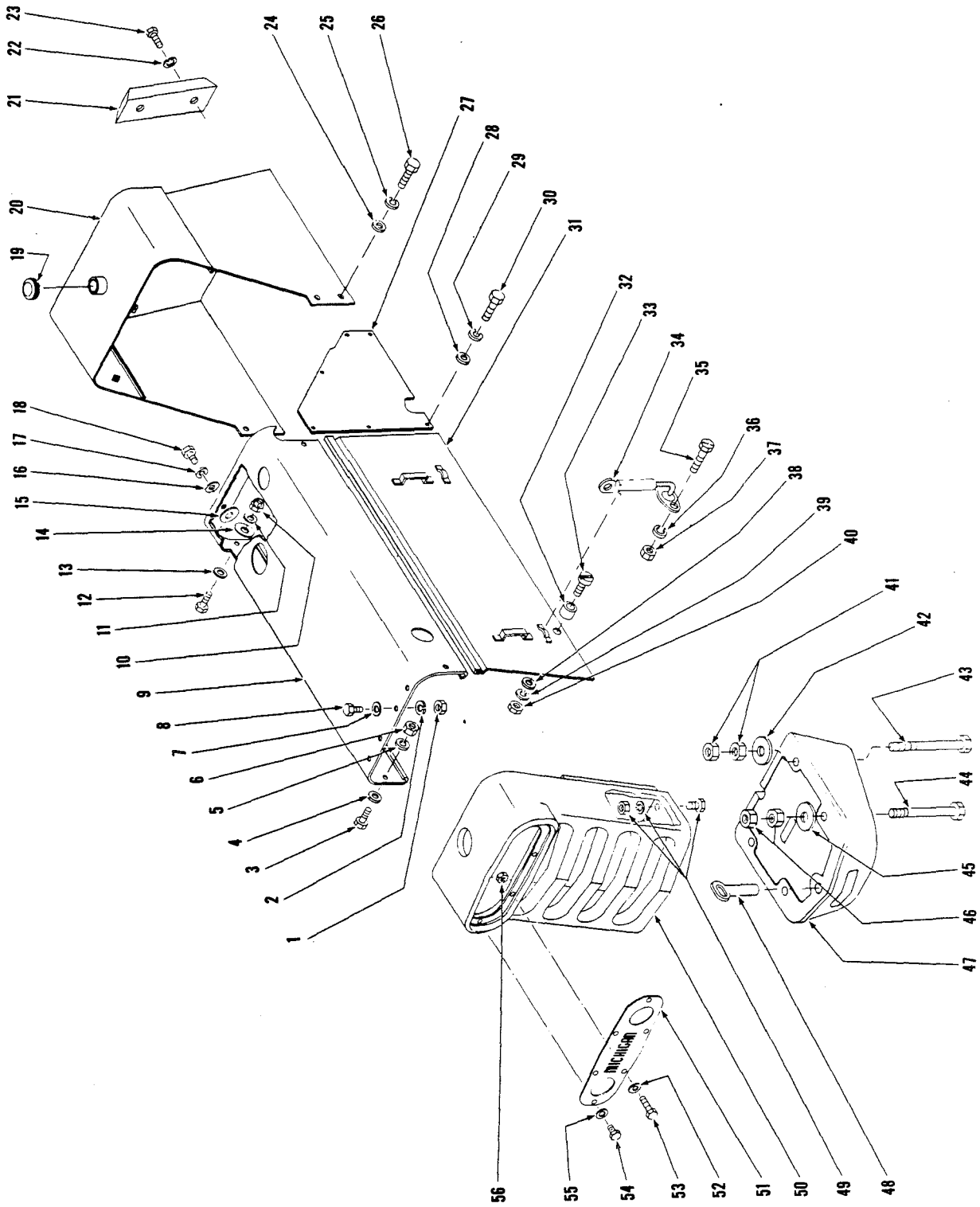
TS-2558-P

RADIATOR AND CONNECTIONS—G.M.

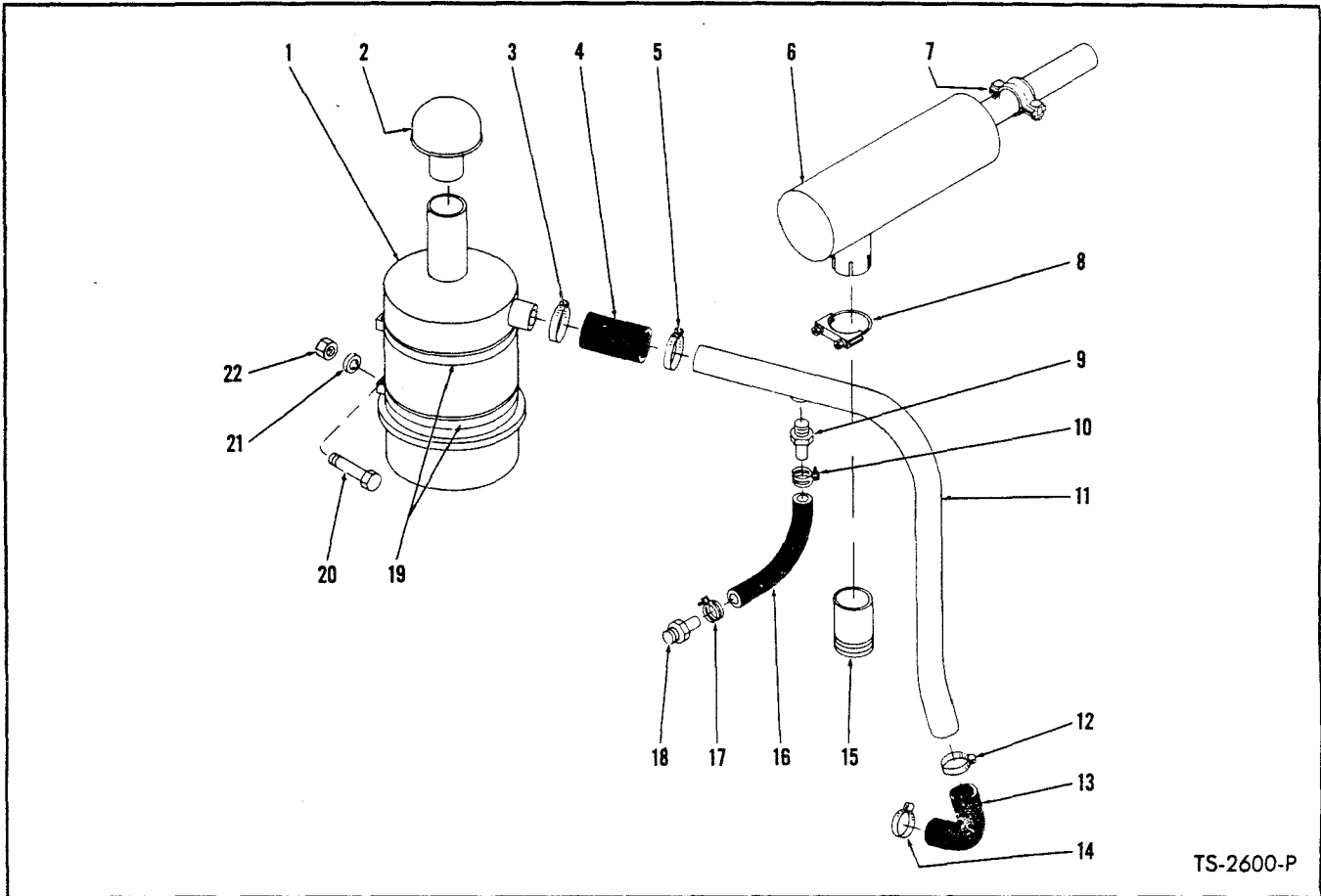
Item No.	Part No.	Description	No. Req'd.
1	2C-614	BOLT, Clip to Radiator	2
2	514658	CLIP, Radiator to Grille	2
3	900220	RADIATOR	1
4	4E-06	LKWSHR, Clip to Radiator	2
5	2D-06	NUT, Clip to Radiator	2
6	784663	CLAMP, Hose to Radiator	1
7	420564	HOSE, Radiator — Upper	1
8	784663	CLAMP, Hose to Engine	1
9	523698	HOSE, Radiator — Lower	1
10	784663	CLAMP, Hose to Engine	1
11	784663	CLAMP, Hose to Radiator	1
12	73F-2	DRAIN COCK	1
13	21D-08	NUT, Radiator to Frame	2
14	518233	PAD, Radiator to Frame	2
15	2C-828	BOLT, Radiator to Frame	2

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

TS-2603-P



GRILLE, COUNTERWEIGHT, HOOD AND SHROUDS



TS-2600-P

AIR CLEANER AND CONNECTIONS – GAS-WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550654	**AIR CLEANER	1	15	550651	ADAPTER, Muffler to Manifold	1
2	550653	CAP, Air Cleaner	1	16	712175	*HOSE, Rocker Arm Cover Breather	1
3	875248	CLAMP, Hose	1	17	4H-15	CLAMP, Hose	1
4		HOSE, Tube to Air Cleaner		18		FITTING, Hose to Rocker Arm Cover	
4A	1M-16030	For Serial Group "A" Below	1	18A	550660	CONNECTOR – For Serial Group "A" Below	1
4B	1M-16050	For Serial Group "B" Below	1	18B	655281	NIPPLE – For Serial Group "B" Below	1
5	875248	CLAMP, Hose	1	19	550659	STRAP, Air Cleaner Attaching	2
6	550650	MUFFLER	1	20	2C-410	BOLT, Air Cleaner to Reservoir	4
7	551528	CLAMP, Muffler to Hood	1	21	4E-10	LKWSHR, Air Cleaner to Reservoir	4
8	550652	CLAMP, Muffler to Adapter	1	22	2D-04	NUT, Air Cleaner to Reservoir	4
9		FITTING, Hose to Tube					
9A	550660	CONNECTOR – For Serial Group "A" Below	1				
9B	655281	NIPPLE – For Serial Group "B" Below	1				
10	4H-15	CLAMP, Hose	1				
11	550655	TUBE, Air Cleaner	1				
12	875248	CLAMP, Hose	1				
13	550657	HOSE, Tube to Carburetor	1				
14	875248	CLAMP, Hose	1				

Serial Group "A":

75A – 8123 thru 10222, 10240, 10247 thru 10251
 75B – 6123 thru 6200
 75R – 7123 thru 7154

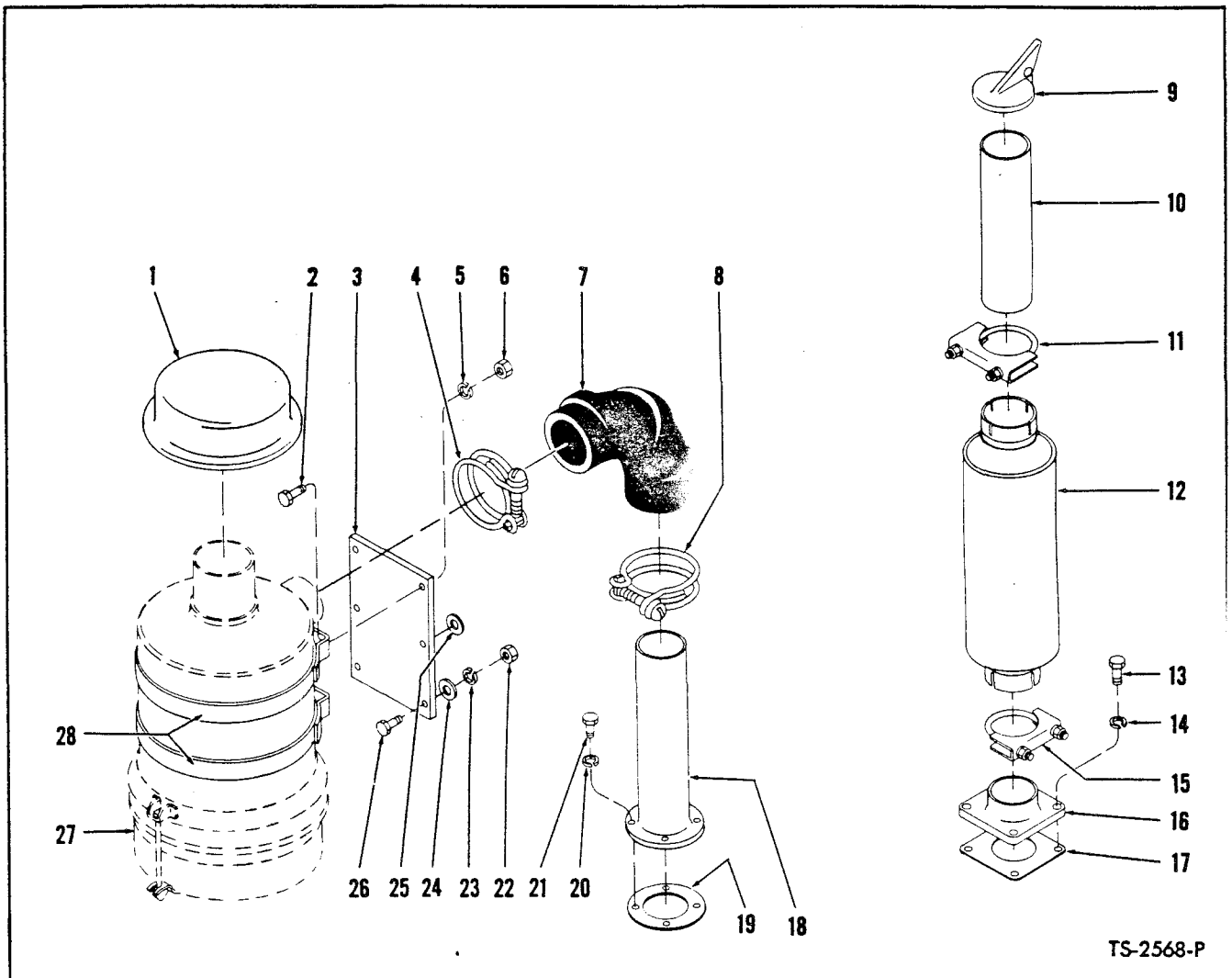
Serial Group "B":

75A – 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 and thereafter
 75B – 6201 thru 6270
 75R – 7155 thru 7183

*NOTE: When 712175 Hose is installed on serial group "A" items 9B, 10, 17 and 18B must be used.

**NOTE: For replacement use 1-537471 Air Cleaner plus 1-1533457 Adapter, 1-540104 Clamp & 1-540108 Clamp.

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

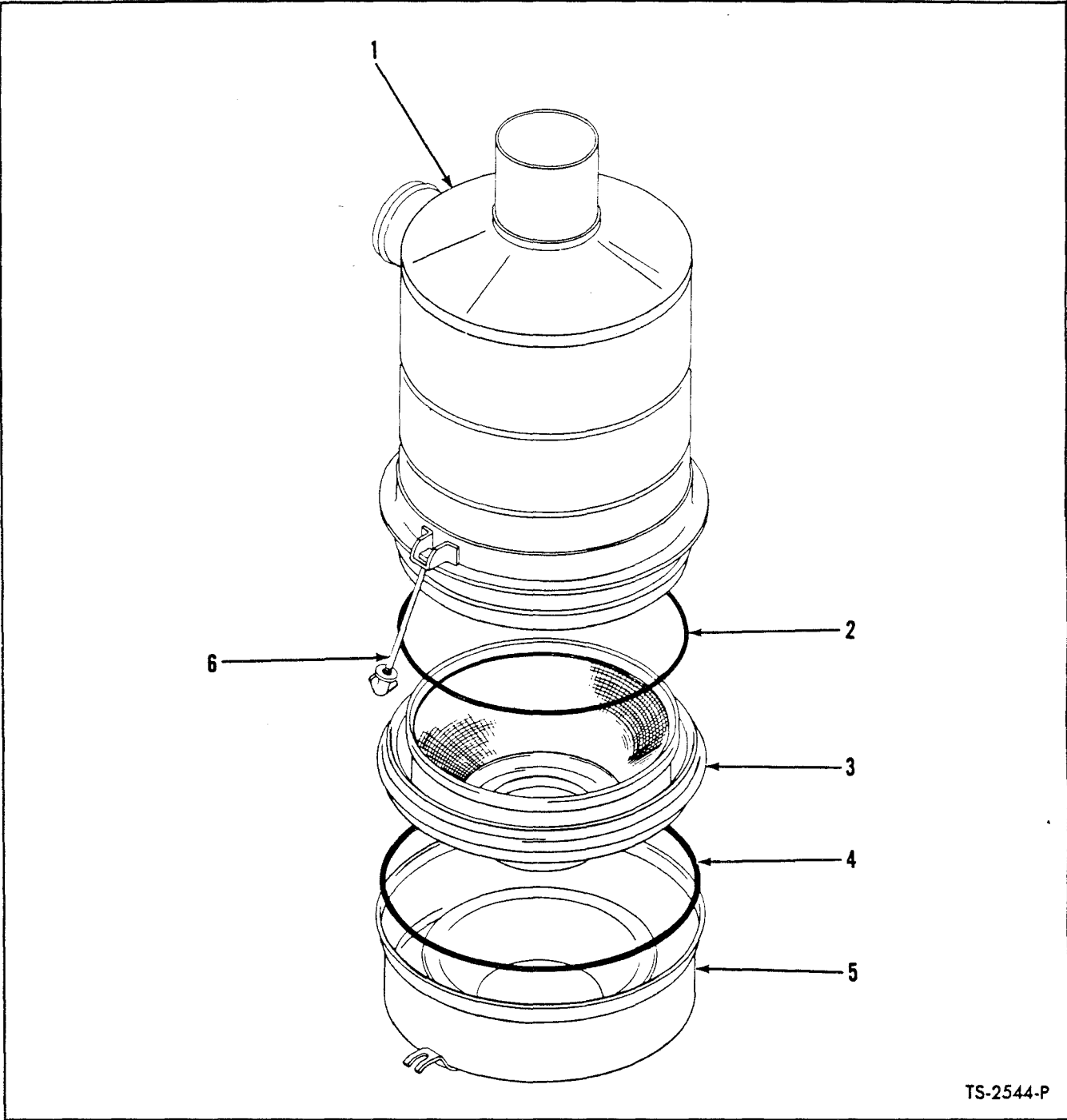


TS-2568-P

AIR CLEANER AND MUFFLER —G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	511512	CAP, Air Cleaner.....	1	16	509300	FLANGE, Exhaust Manifold.....	
2	2C-620	BOLT, Air Cleaner to Bracket.....	4	17	509303	GASKET, Manifold Flange.....	
3	509456	BRACKET, Air Cleaner to Hood.....	1	18	509295	TUBE, Air Intake Manifold.....	
4	21H-74	CLAMP, Hose to Air Cleaner.....	1	19	509299	GASKET, Manifold Flange.....	
5	4E-06	LKWSHR, Air Cleaner to Bracket.....	4	20	4E-05	LKWSHR, Flange to Intake Manifold..	
6	2D-06	NUT, Air Cleaner to Bracket.....	4	21	1C-516	BOLT, Flange to Intake Manifold	
7	515425	HOSE, Air Cleaner to Intake Tube....	1	22	2D-06	NUT, Bracket to Hood.....	
8	21H-74	CLAMP, Hose to Inlet Tube.....	1	23	4E-06	LKWSHR, Bracket to Hood.....	
9	511493	CAP, Rain	1	24	619021	WASHER, Bracket to Hood.....	
10	509304	TAIL PIPE	1	25	619021	WASHER, Air Cleaner & Bracket to Hood	
11	507069	CLAMP, Muffler to Tail Pipe	1	26	2C-616	BOLT, Bracket to Hood.....	
12	507066	MUFFLER	1	27	---	AIR CLEANER ASSY (See Index).....	
13	2C-716	BOLT, Flange to Exhaust Manifold.....	4	28	941474	STRAP, Air Cleaner Mounting.....	
14	4E-07	LKWSHR, Flange to Exhaust Manifold	4				
15	507069	CLAMP, Muffler to Flange.....	1				

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



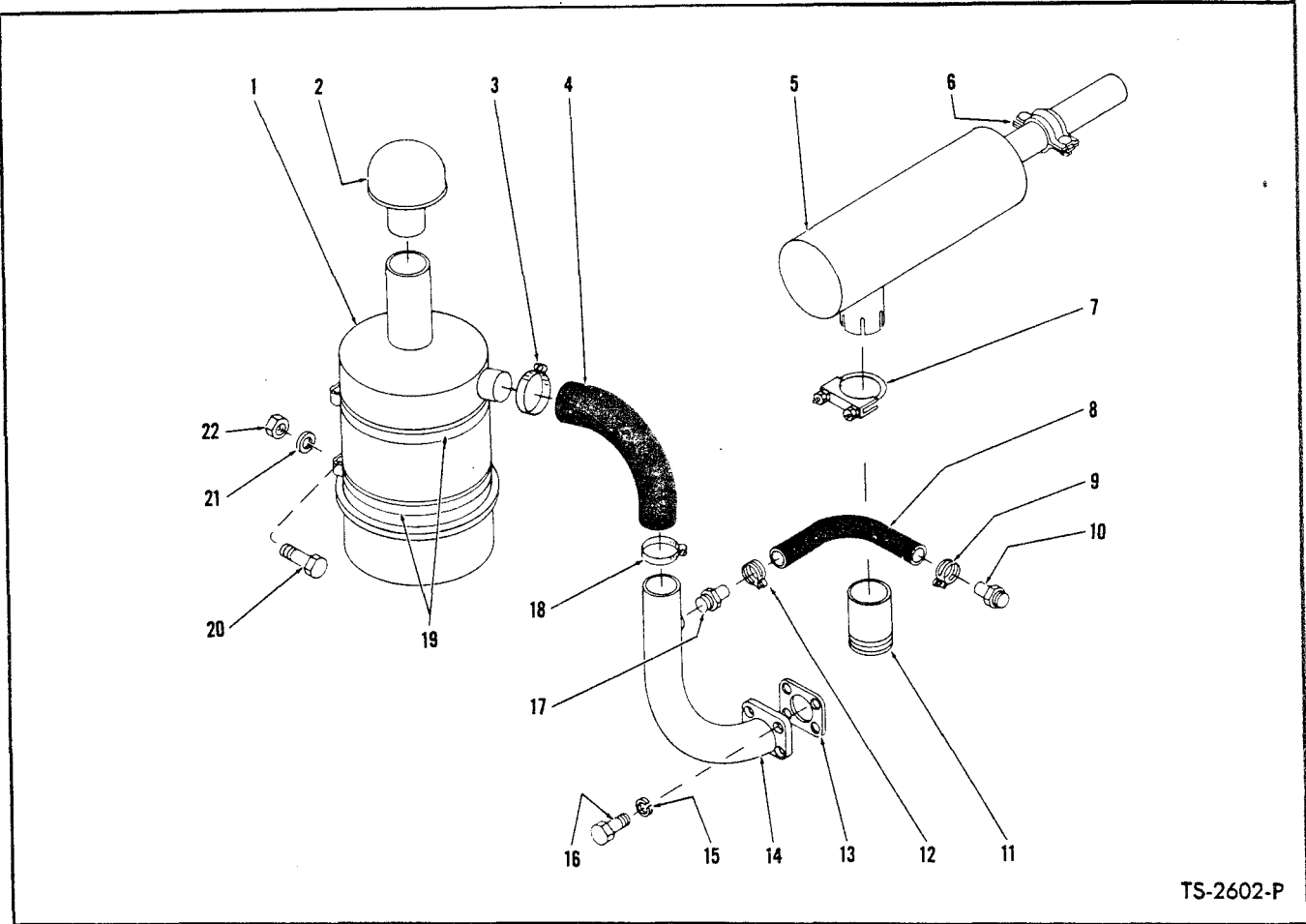
TS-2544-P

AIR CLEANER ASSEMBLY - G.M.

Item No.	Part No.	Description	No. Req'd.
A	420696	AIR CLEANER ASSY (Inc. 1 thru 6)	1
1		§BODY - See "A"	1
2	878660	"O" RING	1
3	878659	TRAY	1
4	878660	"O" RING	1
5	878661	OIL CUP	1
6	874962	ROD, Side	2

§Not Sold Separately, order complete assembly.

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



TS-2602-P

AIR CLEANER AND CONNECTIONS – DIESEL-WAUKESHA

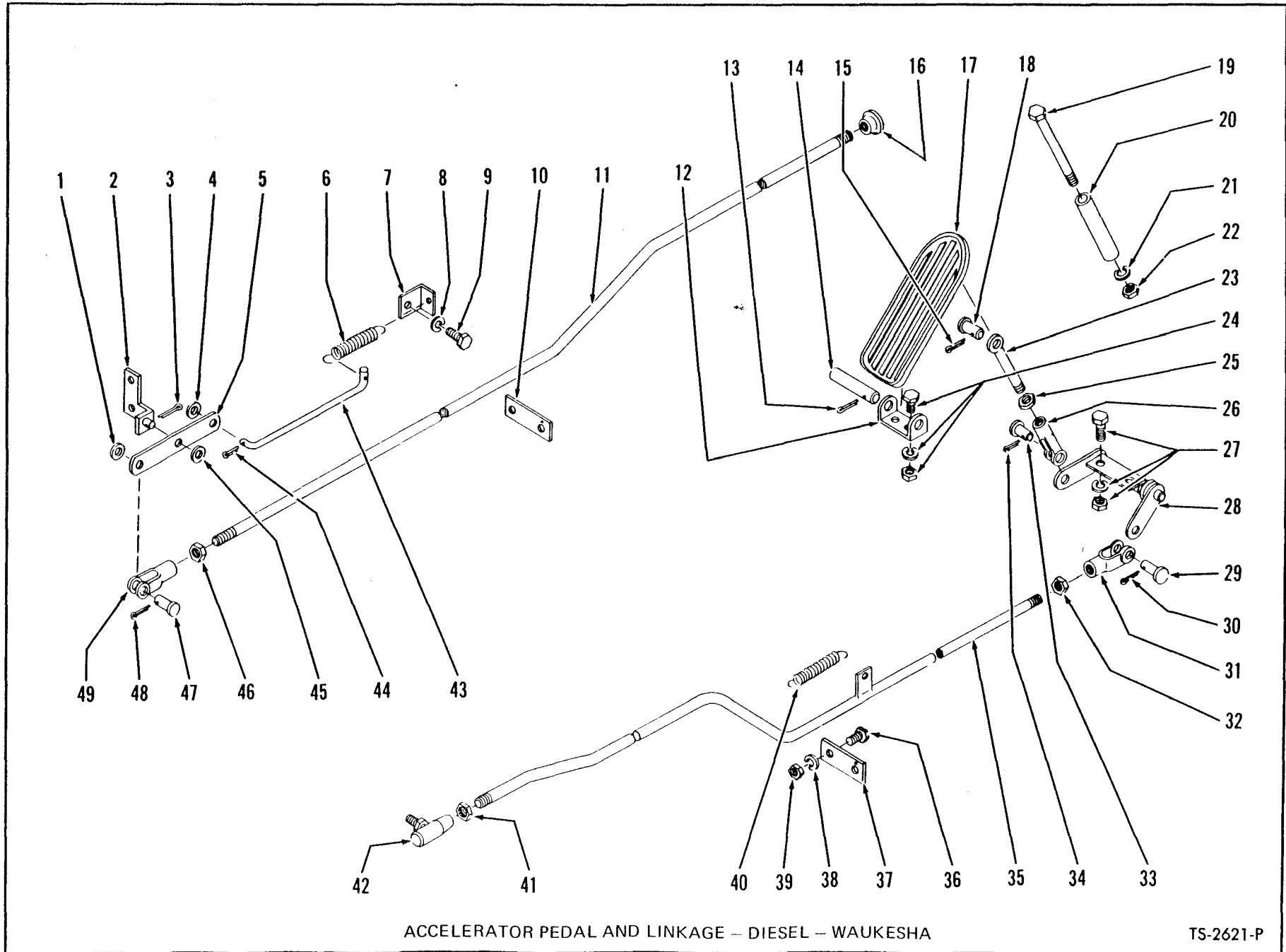
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550654	** AIR CLEANER	1	14	550765	TUBE, Air Intake	1
2	550653	CAP, Air Cleaner	1	15	4E-05	LKWSHR, Tube to Manifold	1
3	784663	CLAMP, Hose	1	16	1C-512	BOLT, Tube to Manifold	1
4		HOSE, Tube to Air Cleaner		17		FITTING, Hose to Tube	
4A	552896	For Serial Group "A" Below	1	17A	550660	CONNECTOR – For Serial Group "A" Below	1
4B	514603	For Serial Group "B" Below	1	17B	655281	NIPPLE – For Serial Group "B" Below	1
5	550650	MUFFLER	1	18	784663	CLAMP, Hose	1
6	551528	CLAMP, Muffler to Hood	1	19	550659	STRAP, Air Cleaner Attaching	2
7	550652	CLAMP, Muffler to Adapter	1	20	2C-410	BOLT, Air Cleaner to Reservoir	4
8	516432	*HOSE, Rocker Arm Cover Breather	1	21	4E-04	LKWSHR, Air Cleaner to Reservoir	4
9	4H-15	CLAMP, Hose	1	22	2D-04	NUT, Air Cleaner to Reservoir	4
10		FITTING, Hose to Rocker Arm Cover					
10A	550660	CONNECTOR – For Serial Group "A" Below	1				
10B	655281	NIPPLE – For Serial Group "B" Below	1				
11	550764	ADAPTER, Muffler to Manifold	1				
12	4H-15	CLAMP, Hose	1				
13	551756	GASKET, Tube to Manifold	1				
				Serial Group "A":			
				75A – 8123D thru 10222D			
				75B – 6123D thru 6200D			
				75R – 7123D thru 7154D			
				Serial Group "B":			
				75A – 10223D thru 12183D, 1CB893 and thereafter			
				75B – 6201D thru 6270D			
				75R – 7155D thru 7183D			

*NOTE: When 516432 Hose is installed in serial group "A" items 9, 10B, 12 and 17B must be used.
 **NOTE: For replacement use 537471 Air Cleaner plus 1-1533457 Adapter, 1-540104 Clamp & 1-540108 Clamp.

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

22

PM 2726



ACCELERATOR PEDAL AND LINKAGE - DIESEL - WAUKESHA

TS-2621-P



CONSTRUCTION MACHINERY DIVISION



ACCELERATOR PEDAL AND LINKAGE - DIESEL - WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	25E-13	WASHER, Bell Crank Arm	1	26	2J-4200	CLEVIS, Rod to Bell Crank	1
2	513005	BRACKET, Bell Crank	1	27	2C-410	BOLT, Bell Crank to Floorboard.....	2
3	1F-310	COTTER, Arm to Bracket	1	27A	2D-04	NUT, Bell Crank to Floorboard	2
4	25E-13	WASHER, Bell Crank Arm.....	1	27B	4E-04	LKWSHR, Bell Crank to Floorboard....	2
5	513007	ARM, Bell Crank	1	28	550616	BELL CRANK	1
6	551090	SPRING, Shut-Off Return	1	29	4F-04051	PIN, Clevis to Bell Crank	1
7	513002	CLIP, Return Spring	1	30	1F-207	COTTER, Clevis Pin	1
8	4E-04	LKWSHR, Return Spring Clip	1	31	2J-4200	CLEVIS, Rod to Bell Crank	1
9	1C-409	BOLT, Return Spring Clip	1	32	8D-04	NUT, Clevis Jam	1
10	551514	GUIDE, Shut-Off Rod	1	33	4F-04051	PIN, Clevis to Bell Crank.....	1
11		<i>*ROD, Shut-Off</i>		34	1F-207	COTTER, Clevis Pin	1
11A	513008	For Serial Group "A" Below.....	1	35		<i>ROD, Accelerator</i>	
11B	514620	For Serial Group "B" Below.....	1	35A	551759	For Serial Group "C" Below.....	1
12	551015	BRACKET, Pedal Pivot	1	35B	553988	For Serial Group "D" Below	1
13	1F-316	COTTER, Pedal to Bracket Pin.....	1	35C	514617	For Serial Group "B" Below	1
14	623762	PIN, Pedal to Bracket.....	1	36	2C-516	BOLT, Guide Attaching	1
15	1F-207	COTTER, Clevis Pin	1	37	550624	GUIDE, Accelerator Rod	1
16	551178	KNOB, Shut-Off Rod	1	38	4E-05	LKWSHR, Guide Attaching	1
17	623829	PEDAL, Accelerator	1	39	2D-05	NUT, Guide Attaching	1
18	4F-04051	PIN, Rod to Pedal	1	40	551090	SPRING, Pedal Return	1
19	2C-448	BOLT, Pedal Stop	1	41	8D-04	NUT, Jam	1
20	551016	STOP, Accelerator Pedal	1	42	1306167	BALL JOINT - (See Note "A")	1
21	4E-04	LKWSHR, Pedal Stop	1	43	513003	ROD, Connector	1
22	2D-04	NUT, Pedal Stop	1	44	1F-310	COTTER, Rod to Bell Crank Arm	1
23	550619	ROD, Pedal to Bell Crank	1	45	25E-13	WASHER, Bell Crank Arm	1
24	2C-410	BOLT, Bracket to Floorboard	2	46	14D-10	NUT, Clevis Jam	1
24A	2D-04	NUT, Pedal to Bell Crank	2	47	4F-03038	PIN, Clevis	1
24B	4E-04	LKWSHR, Pedal to Bell Crank	2	48	1F-208	COTTER, Clevis Pin	1
25	8D-04	NUT, Clevis Jam	1	49	2J-10109	CLEVIS	1

*NOTE: Machines in Serial Group "C" were equipped with a 1520193 Cable in this location.
 NOTE "A": Machines in Serial Group "C" were equipped with a 2J-4200 Clevis, 4F-04051 Pin and 1F-207 Cotter in this location.

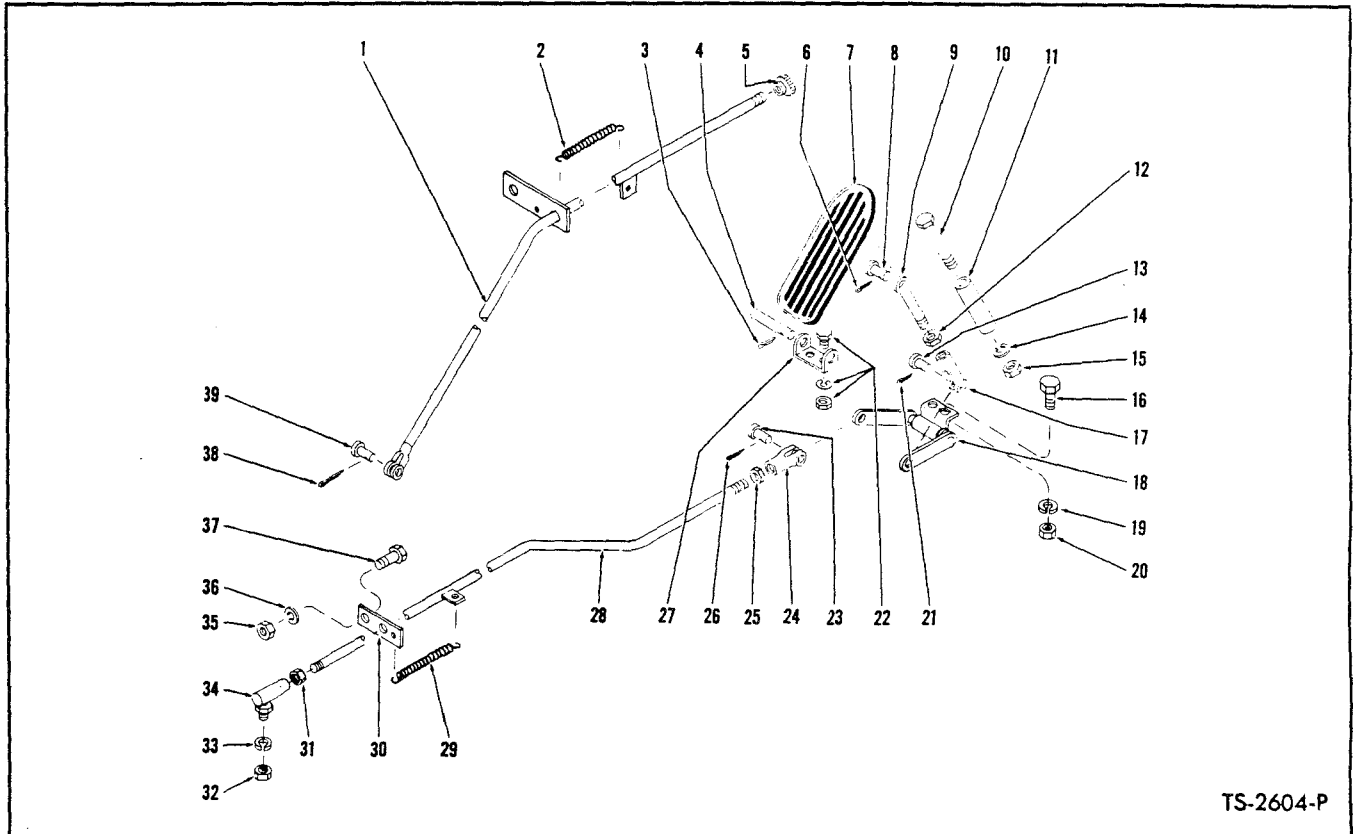
Serial Group "A":
 75A - 9988D thru 10222D
 75B - 6190D thru 6200D
 75R - 7151D thru 7154D

Serial Group "B":
 75A - 10223D thru 12183D, 1CB893 and thereafter
 75B - 6201D thru 6270D
 75R - 7155D thru 7183D

Serial Group "C":
 75A - 8123D thru 9638D and 9889D
 75B - 6123D thru 6180D
 75R - 7123D thru 7150D

Serial Group "D":
 75A - 9639D thru 9888D
 75B - 6181D thru 6200D
 75R - 7151D thru 7154D

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



TS-2604-P

ACCELERATOR PEDAL AND LINKAGE – GAS – WAUKESHA

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		ROD, Choke		22A	2D-04	NUT, Bracket to Floorboard	2
1A	551512	For Serial Group "A" Below	1	22B	4E-04	LKWSHR, Bracket to Floorboard	2
1B	514624	For Serial Group "B" Below	1	23	4F-04051	PIN, Clevis to Bell Crank	1
2	551090	SPRING, Choke Rod Return	1	24	2J-4200	CLEVIS, Rod to Bell Crank	1
3	1F-316	COTTER, Clevis Pin	1	25	8D-04	NUT, Clevis Jam	1
4	623762	PIN, Pedal to Bracket	1	26	1F-207	COTTER, Clevis Pin	1
5	551178	KNOB, Choke Rod	1	27	551015	BRACKET, Accelerator Pedal Pivot	1
6	1F-207	COTTER, Clevis Pin	1	28		ROD, Accelerator	
7	623829	PEDAL, Accelerator	1	28A	511945	For Serial Group "A" Below	1
8	4F-04051	PIN, Pedal to Rod	1	28B	514622	For Serial Group "B" Below	1
9	550619	ROD, Pedal to Bell Crank	1	29	551090	SPRING, Pedal Return	1
10	2C-448	BOLT, Stop to Floorboard	1	30	550624	GUIDE, Accelerator Rod	1
11	551016	STOP, Accelerator Pedal	1	31	8D-04	NUT, Ball Joint Jam	1
12	8D-04	NUT, Clevis Jam	1	32	8D-04	NUT, Ball Joint Attaching	1
13	4F-04051	PIN, Clevis to Bell Crank	1	33	4E-04	LKWSHR, Ball Joint Attaching	1
14	4E-04	LKWSHR, Stop to Floorboard	1	34	1306167	BALL JOINT, Rod to Carburetor	1
15	2D-04	NUT, Stop to Floorboard	1	35	2D-06	NUT, Guide Attaching	1
16	2C-410	BOLT, Bell Crank to Floorboard	1	36	4E-06	LKWSHR, Guide Attaching	1
17	2J-4200	CLEVIS, Rod to Bell Crank	1	37	2C-616	BOLT, Guide Attaching	1
18	550616	BELL CRANK	1	38	1F-208	COTTER, Clevis Pin	1
19	4E-04	LKWSHR, Bell Crank to Floorboard	1	39	4F-03038	PIN, Choke Rod to Choke	1
20	2D-04	NUT, Bell Crank to Floorboard	1				
21	1F-207	COTTER, Clevis Pin	1				
22	2C-410	BOLT, Bracket to Floorboard	2				

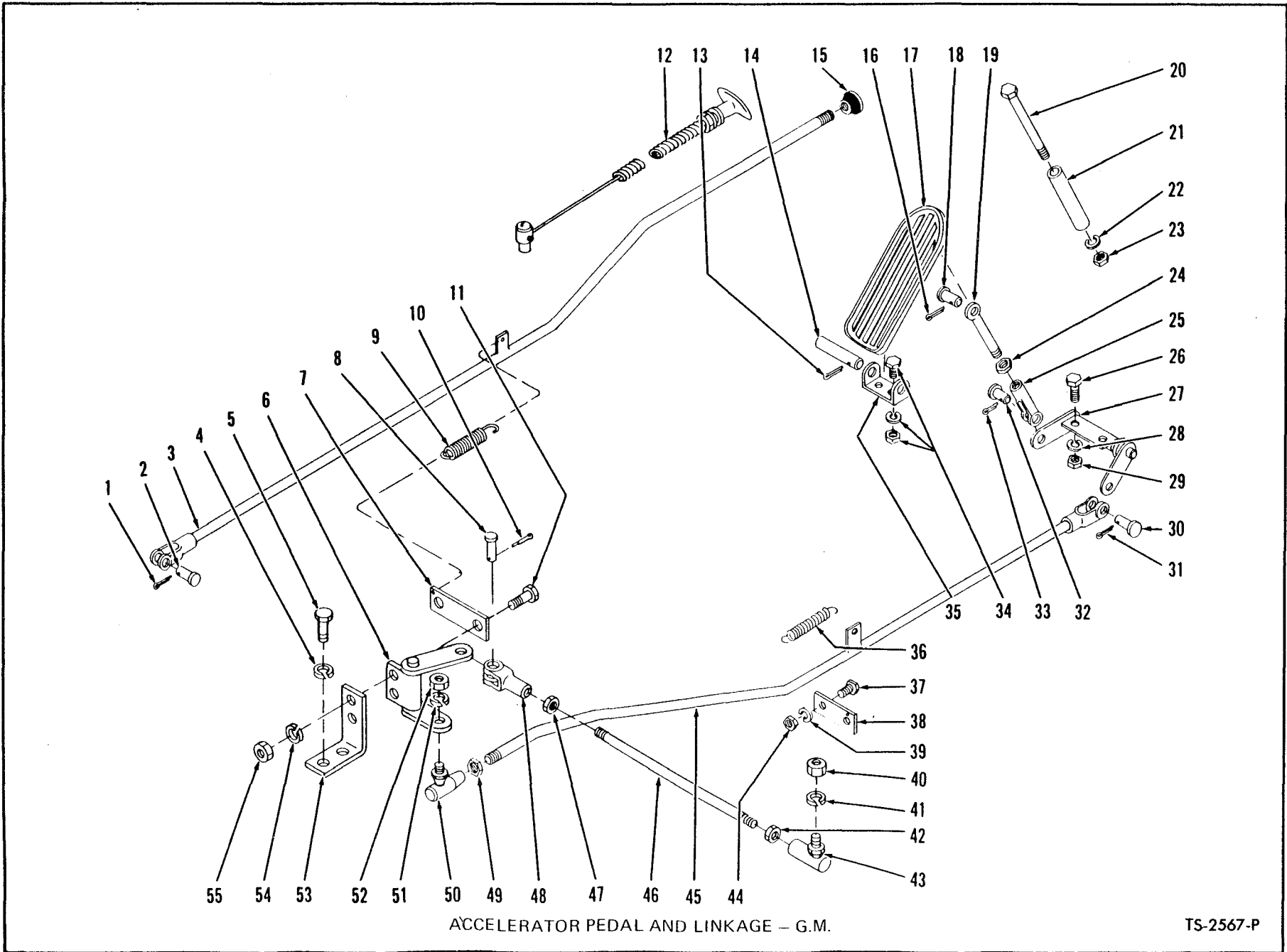
Serial Group "A":

75A – 8123 thru 10222, 10240 and 10247 thru 10251
 75B – 6123 thru 6200
 75R – 7123 thru 7154

Serial Group "B":

75A – 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 and thereafter
 75B – 6201 thru 6270
 75R – 7155 thru 7183

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



ACCELERATOR PEDAL AND LINKAGE - G.M.

TS-2567-P

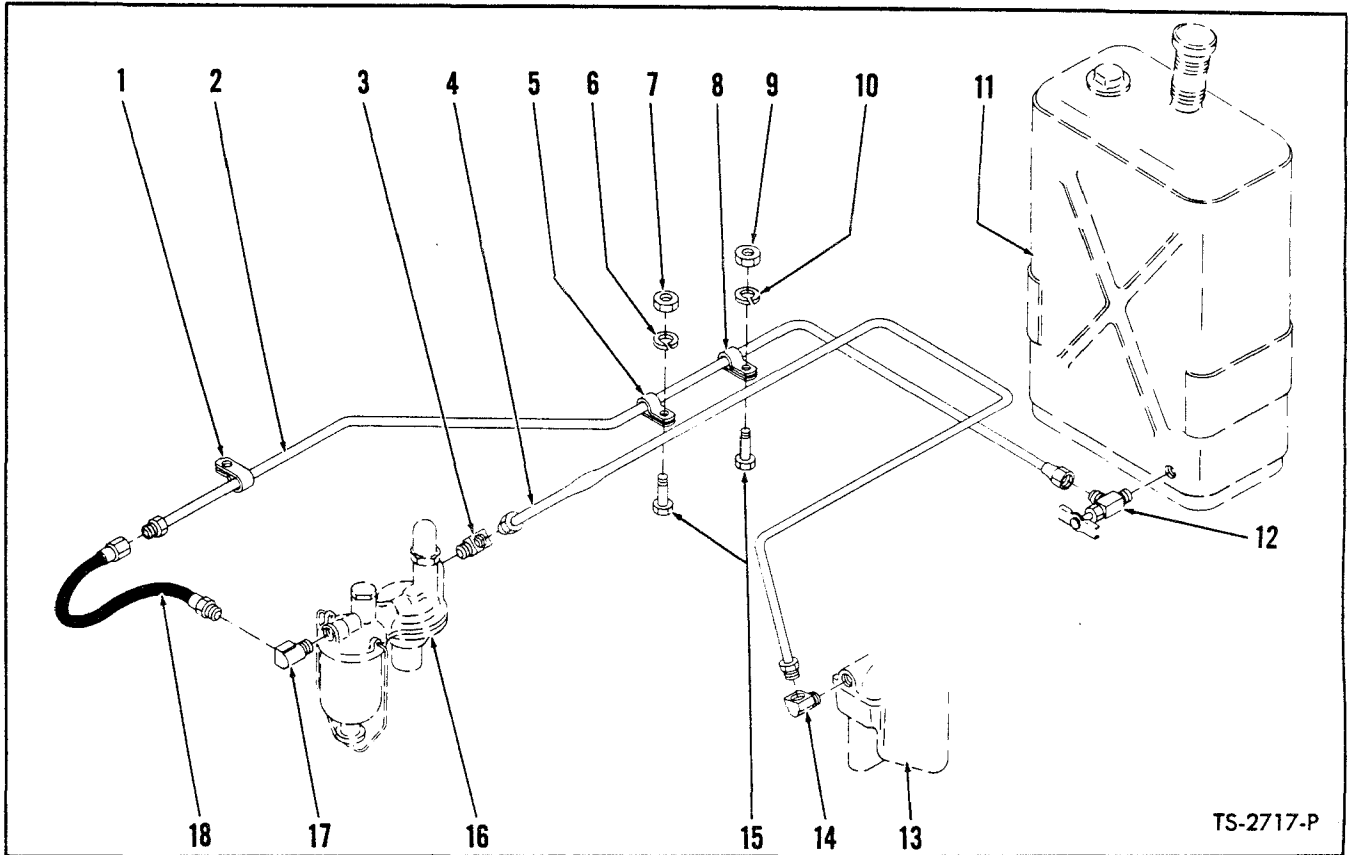


ACCELERATOR PEDAL AND LINKAGE —G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1F-207	COTTER	1	30	4F-04051	PIN, Rod to Bell Crank	1
2	4F-04051	PIN, Rod to Engine.....	1	31	1F-207	COTTER	1
3	533612	ROD, Engine Shut-Off.....	1	32	4F-04051	PIN, Clevis to Bell Crank.....	1
4	4E-06	LKWSHR, Bracket to Engine.....	2	33	1F-207	COTTER	1
5	1C-616	BOLT, Bracket to Engine.....	2	34	2C-410	BOLT, Bracket to Floorboard.....	2
6	550616	BELL CRANK, Rear	1	34A	4E-04	LKWSHR, Bracket to Floorboard.....	2
7	521434	GUIDE, Engine Shut-Off Rod.....	1	34B	2D-04	NUT, Bracket to Floorboard.....	2
8	4F-04051	PIN, Clevis to Bell Crank.....	1	35	551015	BRACKET, Pedal Pivot.....	1
9	551090	SPRING, Rod Return	1	36	551090	SPRING, Rod Return	1
10	1F-207	COTTER	1	37	2C-616	BOLT, Guide to Frame.....	1
11	2C-412	BOLT, Guide & Bell Crank to Bracket	2	38	529364	GUIDE, Accelerator Rod.....	1
12	-----	*CABLE, Emergency Engine Shut-Off....	—	39	4E-06	LKWSHR, Guide to Frame.....	1
13	1F-316	COTTER	1	40	2D-04	NUT, Ball Joint to Engine.....	1
14	623762	PIN, Pedal to Bracket.....	1	41	4E-04	LKWSHR, Ball Joint to Engine.....	1
15	533585	KNOB, Engine Shut-Off Rod.....	1	42	8D-04	NUT, Ball Joint Jam.....	1
16	1F-207	COTTER	1	43	1306167	BALL JOINT, Rod to Engine	1
17	623829	PEDAL, Accelerator	1	44	2D-06	NUT, Guide to Frame.....	1
18	4F-04051	PIN, Rod to Pedal.....	1	45	530927	ROD, Accelerator	1
19	550619	ROD, Pedal to Bell Crank.....	1	46	530930	ROD, Bell Crank to Engine.....	1
20	2C-448	BOLT, Stop to Floorboard.....	1	47	8D-04	NUT, Clevis Jam	1
21	551016	STOP, Pedal	1	48	2J-4200	CLEVIS, Rod to Bell Crank	1
22	4E-04	LKWSHR, Stop to Floorboard.....	1	49	8D-05	NUT, Ball Joint Arm	1
23	2D-04	NUT, Stop to Floorboard.....	1	50	1301361	BALL JOINT	1
24	8D-04	NUT, Clevis Jam.....	1	51	4E-05	LKWSHR, Ball Joint to Bell Crank.....	1
25	2J-4200	CLEVIS, Rod to Bell Crank.....	1	52	2D-05	NUT, Ball Joint to Bell Crank.....	1
26	2C-410	BOLT, Bell Crank to Floorboard.....	2	53	530932	BRACKET, Bell Crank & Guide to Engine	1
27	550792	BELL CRANK, Front.....	1	54	4E-04	LKWSHR, Bell Crank & Guide to Bracket	2
28	4E-04	LKWSHR, Bell Crank to Floorboard....	2	55	2D-04	NUT, Bell Crank & Guide to Bracket..	2
29	2D-04	NUT, Bell Crank to Floorboard.....	2				

*Furnished with engine. See your local GM distributor for replacement or service on this part.

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



FUEL LINES – GAS-WAUKESHA

Item No.	Part No.	Description	No. Req'd.
1	6H-9	CLIP, Fuel Line	1
2		FUEL LINE, Tank to Fuel Pump	
2A	552298	For Serial Group "A" Below	1
2B	514608	For Serial Group "B" Below	1
3	62F-4	ELBOW, Line to Fuel Pump	1
4	552826	FUEL LINE, Fuel Pump to Carburetor	1
5	6H-9	CLIP, Fuel Line	1
6	4E-06	LKWSHR, Clip to Frame	1
7	2D-06	NUT, Clip to Frame	1
8	6H-9	CLIP, Fuel Line	1
9	2D-06	NUT, Clip to Frame	1
10	4E-06	LKWSHR, Clip to Frame	1
11		FUEL TANK – (See Index)	—
12	69F-4	VALVE, Fuel Shut-Off	1
13		CARBURETOR – (See Index)	—
14	62F-4	ELBOW, Line to Carburetor	1
15	2C-616	BOLT, Clip to Frame	2
16		FUEL PUMP – (See Index)	—
17	620558	ELBOW, Hose to Fuel Pump	1
18	550984	HOSE, Line to Fuel Pump	1

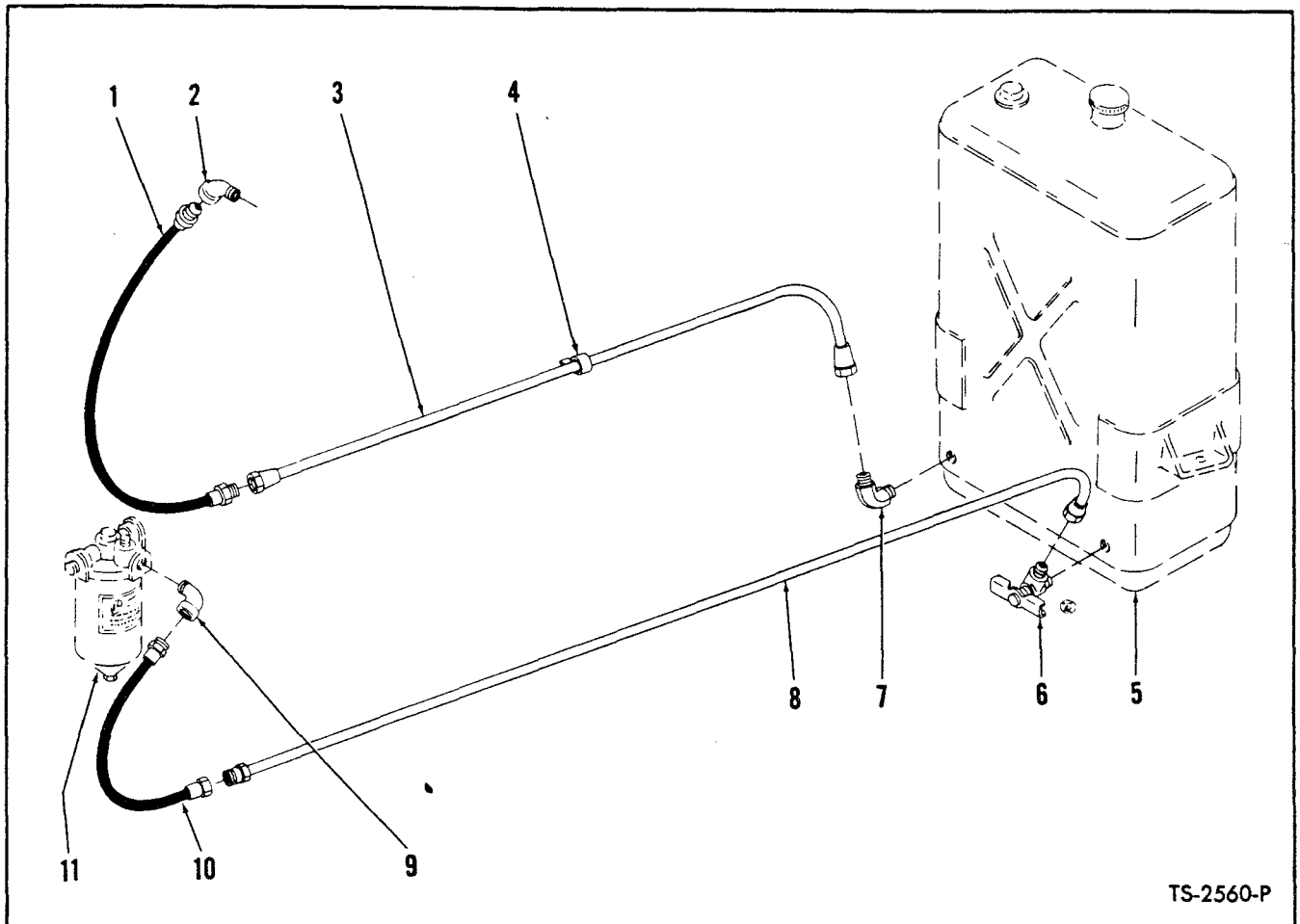
Serial Group "A":

75A – 8123 thru 10222, 10240 and 10247 thru 10251
 75B – 6123 thru 6200
 75R – 7123 thru 7154

Serial Group "B":

75A – 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 and thereafter
 75B – 6201 thru 6270
 75R – 7155 thru 7183

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

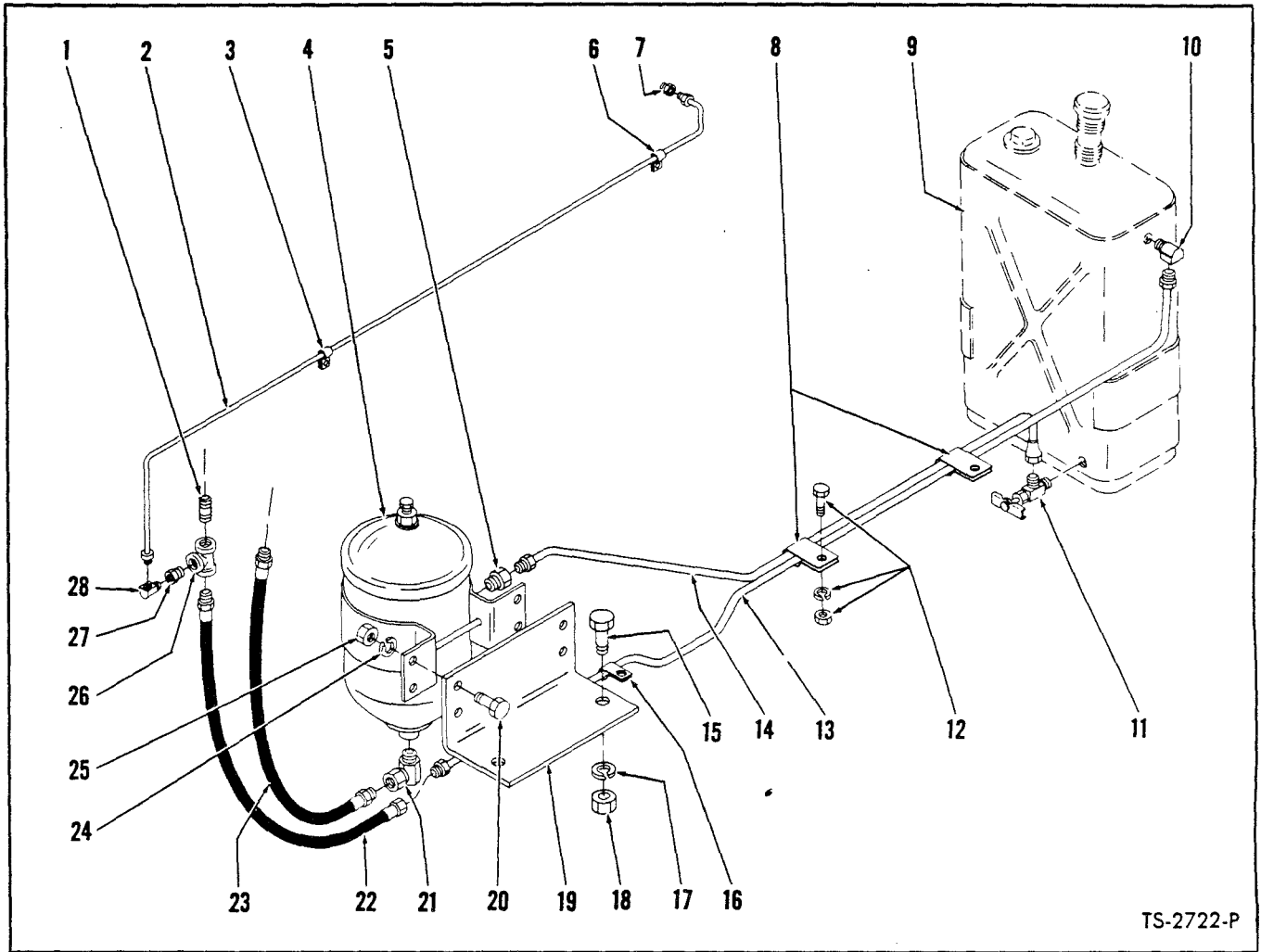


FUEL LINES —G.M.

Item No.	Part No.	Description	No. Req'd.
1	527609	HOSE, Fuel Return.....	1
2	531165	ELBOW, Nozzle to Hose	1
3	900148	LINE, Fuel Return	1
4	6H-10	CLIP, Fuel Line	5
5	-----	FUEL TANK — See Index	—
6	69F-5	VALVE, Shut-Off	1
7	42F-6	ELBOW, Fuel Return Line to Tank	1
8	509291	LINE, Fuel Supply	1
9	30K-304	ELBOW, Hose to Filter.....	1
10	553973	HOSE, Fuel Supply	1
11	-----	*FUEL FILTER	—

*This part is furnished with engine, see your local GM distributor for service or replacement.

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



TS-2722-P

FUEL LINES — DIESEL—WAUKESHA

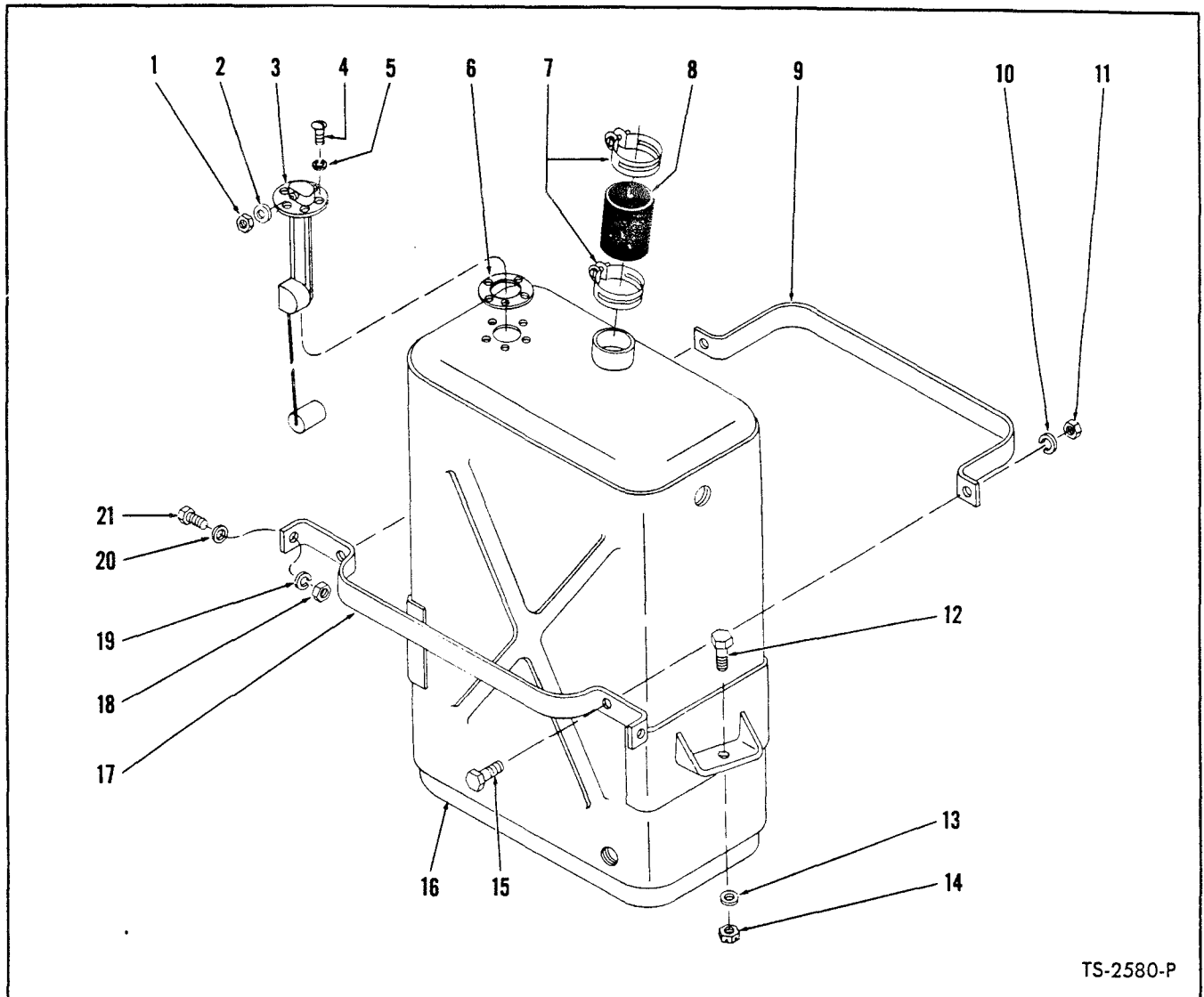
For Serial: 75A — 8123D thru 9638D and 9889D
 75B — 6123D thru 6180D
 75R — 7123D thru 7150D

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	5K-207	NIPPLE, Tee to Pump	1	14	552300	*LINE, Fuel Supply	1
2	552017	LINE, Injector to Tee	1	15	2C-616	BOLT, Bracket to Frame	2
3	6H-1	CLIP, Return Line	1	16	6H-9	CLIP, Return Line	1
4	528374	FILTER ASSY, Primary Fuel (Inc. 4A)	1	17	4E-06	LKWSHR, Bracket to Frame	2
4A	940107	†CARTRIDGE KIT, Primary Filter	1	18	2D-06	NUT, Bracket to Frame	2
5	59F-6	CONNECTOR, Line to Filter	1	19	550757	BRACKET, Primary Filter	1
6	6H-1	CLIP, Return Line	1	20	2C-512	BOLT, Filter to Bracket	4
7	59F-2	CONNECTOR, Line to Injector	1	21	31F-2	ADAPTER UNION	1
8	552732	CLIP, Fuel Lines	1	22	550983	HOSE, Pump to Return Line	1
9	—	FUEL TANK — (See Index)	—	23	551336	HOSE, Filter to Pump	1
10	62F-5	ELBOW, Return Line to Tank	1	24	4E-05	LKWSHR, Filter to Bracket	4
11	69F-5	VALVE, Fuel Shut-Off	1	25	2D-05	NUT, Filter to Bracket	4
12	1C-416	BOLT, Fuel Line Clip	1	26	18F-2	TEE, Return Line	1
12A	1D-04	NUT, Fuel Line Clip	1	27	19F-1	BUSHING, Tee Reducing	1
12B	4E-04	LKWSHR, Fuel Line Clip	1	28	62F-2	ELBOW, Line to Tee	1
13	552302	LINE, Fuel Return	1				

†Not Illustrated

*NOTE: When 552300 Line is installed on 75A Serial 8123D thru 8498D one 69F-5 Shut-Off Valve must be used.

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



TS-2580-P

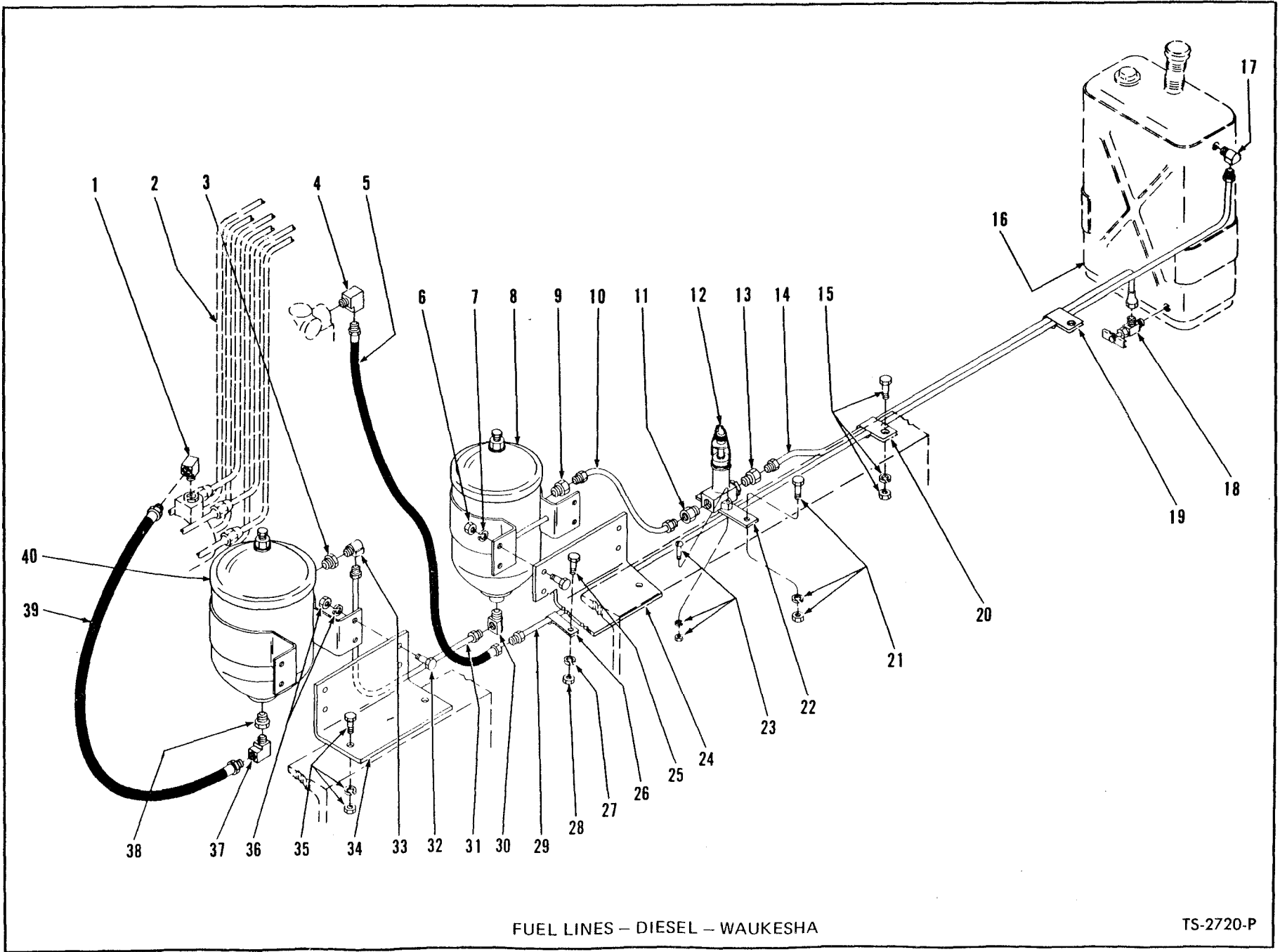
FUEL TANK

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	14D-10	NUT, Sender Terminal	1	14	21D-08	NUT, Fuel Tank to Frame	2
2	12E-10	LKWSHR, Sender Terminal	1	15	2C-616	BOLT, Tie Strap to Mounting Strap	2
3	551384	**SENDER UNIT, Fuel	1	16	517073	*TANK, Fuel	1
4	3G-1008	SCREW, Sender Unit to Tank	5	17	517616	STRAP, Fuel Tank Mounting	1
5	12E-10	LKWSHR, Sender Unit to Tank	5	18	2D-06	NUT, Mounting Strap to Shroud	2
6	627982	GASKET, Sender Unit to Tank	1	19	4E-06	LKWSHR, Mounting Strap to Shroud	2
7	522632	CLAMP, Hose	2	20	103293	WASHER, Mounting Strap to Shroud	2
8	550712	HOSE, Fuel Filler	1	21	2C-616	BOLT, Mounting Strap to Shroud	2
9	517617	STRAP, Fuel Tank Tie	1			Serial Group "A":	
10	4E-06	LKWSHR, Tie Strap to Mounting Strap	2			75A - 8123 thru 10557	
11	2D-06	NUT, Tie Strap to Mounting Strap	2			75B - 6123 thru 6210	
12	2C-828	BOLT, Fuel Tank to Frame	2			75R - 7123 thru 7157	
13		PAD, Fuel Tank to Frame				Serial Group "B":	
13A	550711	For Serial Group "A" Below	2			75A GAS - 10558 thru 12183, 1CA3170 and thereafter	
13B	518233	For Serial Group "B" Below	2			75A DIESEL - 10558D thru 12183D, 1CB893 and thereafter	
						75B - 6211 thru 6270	
						75R - 7158 thru 7183	

*NOTE: When 517073 Fuel Tank is installed in machines in serial group "A" use one 942424 Fuel Tank Mounting Kit. 942424 Kit includes items 9 thru 15, 17 thru 21.

**NOTE: For replacement use 947263 Kit.

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



32

PM 2726

FUEL LINES - DIESEL - WAUKESHA

TS-2720-P



FUEL LINES — DIESEL — WAUKESHA

For Serial: 75A — 9639D thru 9888D, 9890D thru 12183D, 1C893 and thereafter
75B — 6181D thru 6270D
75R — 7151D thru 7183D

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include items 1 through 21B, such as ELBOW, Hose to Pump, SEE ENGINE PARTS MANUAL, BUSHING, Filter Reducing, etc.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include items 22 through 40A, such as BRACKET, Hand Pump Mounting, SCREW, Pump to Bracket, NUT, Pump to Bracket, etc.

†Not Illustrated

Serial Group "A":

75A — 9639D thru 9888D, 9890D thru 10251D
75B — 6181D thru 6200D
75R — 7151D thru 7154D

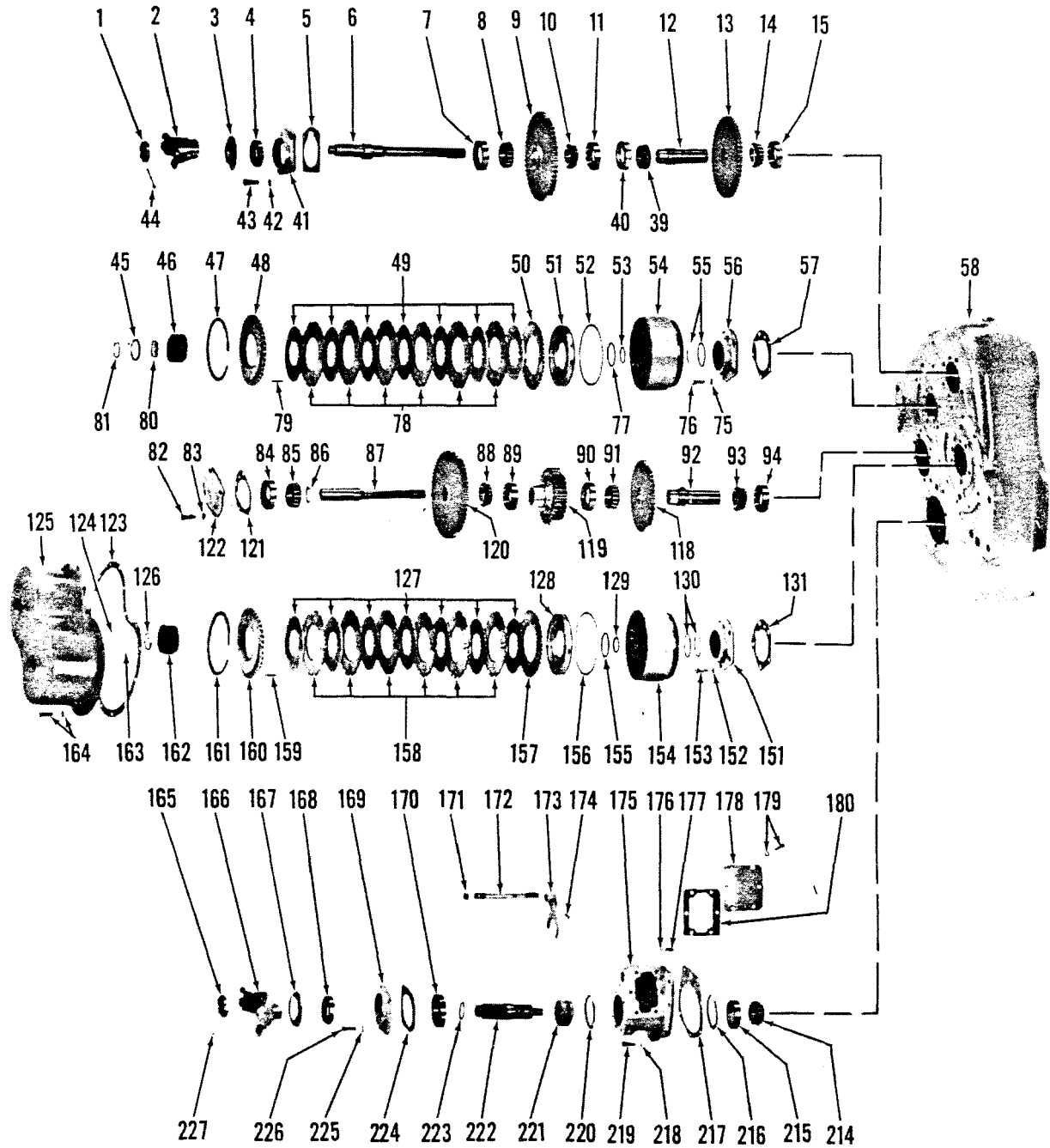
Serial Group "B":

75A — 10223D thru 11942D
75B — 6181D thru 6270D
75R — 7151D thru 7183D

Serial Group "C":

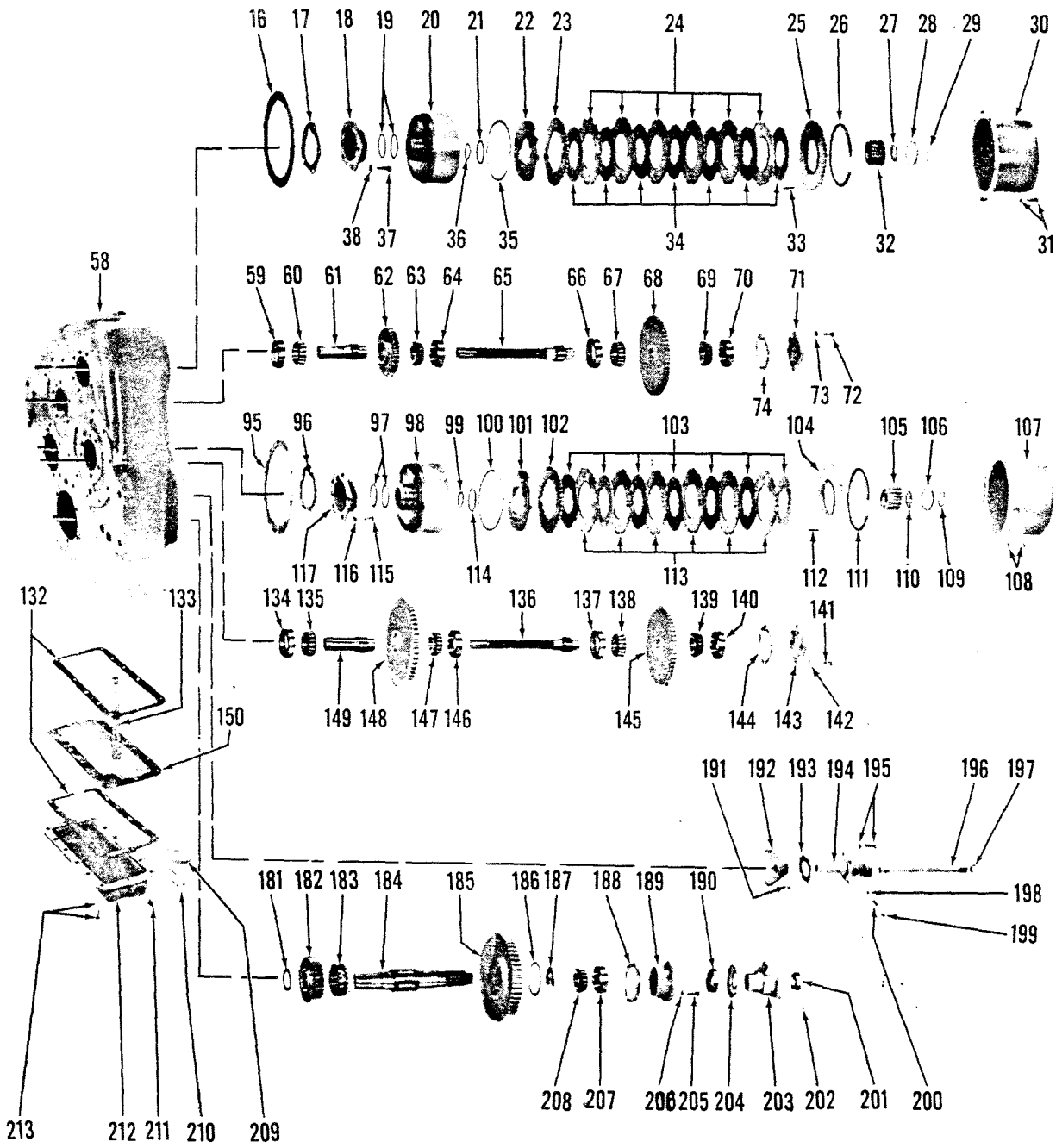
75A — 11943D thru 12183D, 1C893 and thereafter

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



TRANSMISSION ASSEMBLY - MODEL 75A

TS-2588



TRANSMISSION ASSEMBLY - MODEL 75A

TS-2588

TRANSMISSION ASSEMBLY — MODEL 75A

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		TRANSMISSION ASSY (Inc. 1 thru 227)		31		HUB, Clutch Disc	
B	280636	*(T-75A-1) For Serial 8123 thru 9179, 9181 thru 9190, 9192, 9193, 9194, 9214 thru 9217, 9219, 9220, 9221, 9223, 9224, 9225, 9227, 9228, 9230		31A	800810	**For Serial Group "A" (See Page 38)	1
C	280071	*(T-75A-3) For Serial 9180, 9191, 9195 thru 9213, 9218, 9222, 9226, 9229, 9231 thru 12183, 1CA3170 & thereafter & 1CB893 & thereafter		31B	216673	For Serial Group "B" (See Page 38)	1
1	201951	NUT, Input Flange	1	32	216697	SPRING, Clutch Disc Release	10
2	209343	FLANGE ASSY, Input (Inc. 3)	1	33	216677	DISC, Clutch Inner	5
3	100949	DEFLECTOR, Input Flange	1	34	208776	RING, Piston Outer Sealing	1
4	206864	SEAL, Input Shaft Oil	1	35	224097	RING, Drum Hub Retaining	1
5	209340	‡SHIM, Bearing Cap — .004	—	36	1C-718	BOLT, Bearing Cap	4
5A	209341	‡SHIM, Bearing Cap — .007	—	37	4E-07	LKWSHR, Bearing Cap	4
5B	209342	‡SHIM, Bearing Cap — .010	—	38	675548	CONE, Quill Shaft Bearing	1
6		SHAFT, Input		39	675544	CUP, Quill Shaft Bearing	1
6A	800810	**For Serial Group "A" (See Page 38)	1	39A	223881	RING, Bearing Locating	1
6B	216674	For Serial Group "B" (See Page 38)	1	40	209339	CAP, Input Shaft Bearing	1
7	675544	CUP, Input Shaft Bearing	1	41	4E-07	LKWSHR, Bearing Cap	4
8	675547	CONE, Input Shaft Bearing	1	42	1C-718	BOLT, Bearing Cap	4
9	209377	GEAR, Input Shaft Reverse (45T)	1	43	1F-424	COTTER, Flange Nut	1
10	675547	CONE, Input Shaft Bearing	1	44	224068	RING, Clutch Disc Hub Retaining	2
11	675544	CUP, Input Shaft Bearing	1	45	223942	RING, End Plate Retaining	1
11A	223881	†RING, Bearing Locating	1	46	208760	PLATE, Clutch Disc End	1
12	209368	SHAFT, Input Quill	1	47	216697	SPRING, Clutch Disc Release	10
13	209369	GEAR, Input Shaft Forward (43T)	1	48	216677	DISC, Clutch Inner	5
14	675548	CONE, Quill Shaft Bearing	1	49	221998	DISC, Clutch Outer	1
15	675544	CUP, Quill Shaft Bearing	1	50	221996	PISTON, Clutch	1
16	221401	GASKET, Clutch Cover	1	51	208776	RING, Piston Outer Sealing	1
17	209392	‡SHIM, Bearing Cap — .004	—	52	224097	RING, Drum Hub Retaining	1
17A	209393	‡SHIM, Bearing Cap — .007	—	53	222410	DRUM ASSY (Inc. 53A, 53B)	1
17B	209394	‡SHIM, Bearing Cap — .010	—	53A	222407	†HOUSING, Bleed Valve	1
17C	221208	‡SHIM, Bearing Cap — .020	—	53B	10J-06	†BALL, Bleed Valve	1
18	25K-30016	"O" RING, Bearing Cap	1	53C	—	†SHUB, Clutch Drum (See 53)	1
19	209391	CAP, Clutch Bearing	1	53D	209932	†PIN, Pressure Relief	1
20	209387	RING, Drum Hub Sealing	2	53E	209389	†SPRING, Pressure Relief	1
21	222410	DRUM ASSY, Clutch (Inc. 21A, 21B)	1	53F	220678	†GUARD, Relief Spring	1
21A	222407	†HOUSING, Bleed Valve	1	53G	209937	†WASHER, Relief Spring	1
21B	10J-06	†BALL, Bleed Valve	1	53H	619023	†WASHER, Clutch Drum Balance	1
21C	—	†SHUB, Clutch Drum (See 21)	1	53J	100284	†BOLT, Drum to Hub	8
21D	209932	†PIN, Pressure Relief	1	54	209387	RING, Drum Hub Sealing	2
21E	209389	†SPRING, Pressure Relief	1	55	209391	CAP, Clutch Bearing	1
21F	220678	†GUARD, Relief Spring	1	56	25K-30016	"O" RING, Bearing Cap	1
21G	209937	†WASHER, Relief Spring	1	57	209392	‡SHIM, Bearing Cap — .004"	—
21H	619023	†WASHER, Clutch Drum Balance	1	57A	209393	‡SHIM, Bearing Cap — .007"	—
21J	100284	†BOLT, Drum to Hub	8	57B	209394	‡SHIM, Bearing Cap — .010"	—
22	234038	RING, Piston Inner Sealing	1	57C	221208	‡SHIM, Bearing Cap — .020"	—
23	221996	PISTON, Clutch	1	58	800815	CASE ASSY, Transmission (Inc. 129, 130, 147, 207, 208, 209)	1
24	221998	DISC, Clutch Outer	1	59	675544	CUP, Quill Shaft Bearing	1
25	208773	DISC, Clutch Outer	4	60	675548	CONE, Quill Shaft Bearing	1
26	208760	PLATE, Clutch Disc End	1	61	209368	SHAFT, 1st & 3rd Quill	1
27	223942	RING, End Plate Retaining	1	62	209374	GEAR, 1st & 3rd Drive (29T)	1
28	224068	RING, Clutch Disc Hub Retaining	2	63	675548	CONE, Quill Shaft Bearing	1
29	209358	COVER, Clutch	1	64	675544	CUP, Quill Shaft Bearing	1
30	5C-614	BOLT & LKWSHR, Clutch Cover	10	64A	223881	†RING, Bearing Locating	1
				65		SHAFT, 1st & 3rd Drive	
				65A	800809	**For Serial Group "A" (See Page 38)	1
				65B	216671	For Serial Group "B" (See Page 38)	1
				66	675544	CUP, Drive Shaft Bearing	1

†Not Illustrated

‡As Required

§Not Sold Separately

*NOTE: For complete replacement of 280636 or 280071 Trans. Assy. use 281740 Trans. Assy.

**NOTE: 800809, 800810 and 800811 Shaft and Hub Kits include Drive Shaft and one 216673 Clutch Disc Hub. After these Kits have been installed in unit use parts listed for serial group "B" for subsequent replacement.

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

TRANSMISSION ASSEMBLY — MODEL 75A (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
66A	223881	†RING, Bearing Locating	1	102	216677	DISC, Clutch Inner	5
67	675547	CONE, Drive Shaft Bearing	1	103	208760	PLATE, Clutch Disc End	1
68	209375	GEAR, 1st & 3rd Drop (44T)	1	104	224068	RING, Clutch Disc Hub Retaining	2
69	675547	CONE, Drive Shaft Bearing	1	105	209358	COVER, Clutch	1
70	675544	CUP, Drive Shaft Bearing	1	106	5C-614	BOLT & LKWSHR, Clutch Cover	10
71	209364	CAP, Drive Shaft Bearing	1			<i>HUB, Clutch Disc</i>	
72	1C-718	BOLT, Bearing Cap	4	107			
73	4E-07	LKWSHR, Bearing Cap	4	107A	800811	**For Serial Group "A" (See Page 38)	1
74	209365	‡SHIM, Bearing Cap — .004"	—	107B	216673	For Serial Group "B" (See Page 38)	1
74A	209366	‡SHIM, Bearing Cap — .007"	—				
74B	209367	‡SHIM, Bearing Cap — .010"	—	108	216697	RING, End Plate Retaining	1
75	4E-07	LKWSHR, Bearing Cap	4	109	216697	SPRING, Clutch Disc Release	1
76	1C-718	BOLT, Bearing Cap	4	110	208773	DISC, Clutch Outer	4
77	234038	RING, Piston Inner Sealing	1	111	234038	RING, Piston Inner Sealing	1
78	208773	DISC, Clutch Outer	4	112	1C-718	BOLT, Bearing Cap	4
				113	4E-07	LKWSHR, Bearing Cap	4
79		<i>HUB, Clutch Disc</i>		114	25K-30016	"O" RING, Bearing Cap	1
79A	800809	**For Serial Group "A" (See Page 38)	1	115	209369	GEAR, 2nd & 4th Drive (43T)	1
79B	216673	For Serial Group "B" (See Page 38)	1	116	220395	GEAR, Drive Shaft Low (32T)	1
				117	209421	GEAR, Drive Shaft High (57T)	1
80	1C-718	BOLT, Bearing Cap	4	118	209417	‡SHIM, Bearing Cap — .004"	—
81	4E-07	LKWSHR, Bearing Cap	4	118A	209418	‡SHIM, Bearing Cap — .007"	—
82	675542	CUP, Drive Shaft Bearing	1	118B	209419	‡SHIM, Bearing Cap — .010"	—
83	675545	CONE, Drive Shaft Bearing	1	119	209416	CAP, Drive Shaft Bearing	1
84	224031	RING, 2nd & 4th High Gear Locating	1			<i>HUB, Clutch Disc</i>	
85		<i>SHAFT, 2nd & 4th Drive</i>		120			
85A	800811	**For Serial Group "A" (See Page 38)	1	120A	800811	**For Serial Group "A" (See Page 38)	1
85B	216672	For Serial Group "B" (See Page 38)	1	120B	216673	For Serial Group "B" (See Page 38)	1
86	675546	CONE, Drive Shaft Bearing	1				
87	675542	CUP, Drive Shaft Bearing	1	121	209370	GASKET, Clutch Cover	1
87A	223951	†RING, Bearing Locating	1	122	209357	COVER, Clutch	1
88	675544	CUP, Quill Shaft Bearing	1	123	216677	DISC, Clutch Inner	5
89	675548	CONE, Quill Shaft Bearing	1	124	221996	PISTON, Clutch	1
90	209368	SHAFT, 2nd & 4th Quill	1	125	224097	RING, Clutch Drum Hub Retaining	1
91	675548	CONE, Quill Shaft Bearing	1	126	209387	RING, Clutch Drum Hub Sealing	2
92	675544	CUP, Quill Shaft Bearing	1	127	25K-30016	"O" RING, Bearing Cap	1
93	221401	GASKET, Clutch Cover	1	128	209392	‡SHIM, Bearing Cap — .004"	—
94	209392	‡SHIM, Bearing Cap — .004"	—	128A	209393	‡SHIM, Bearing Cap — .007"	—
94A	209393	‡SHIM, Bearing Cap — .007"	—	128B	209394	‡SHIM, Bearing Cap — .010"	—
94B	209394	‡SHIM, Bearing Cap — .010"	—	128C	221208	‡SHIM, Bearing Cap — .020"	—
94C	221208	‡SHIM, Bearing Cap — .020"	—	129	209353	GASKET, Oil Pan	2
95	209391	CAP, Clutch Bearing	1			<i>PIPE, Oil Suction</i>	
96	209387	RING, Drum Hub Sealing	2	130A	209103	For T-75A-1	1
97	222410	DRUM ASSY, Clutch (Inc. 97A, 97B)	1	130B	220673	For T-75A-3	1
97A	222407	†HOUSING, Bleed Valve	1				
97B	10J-06	†BALL, Bleed Valve	1	131	675544	CUP, Quill Shaft Bearing	1
97C	—	†SHUB, Clutch Drum (See 97)	—	132	675548	CONE, Quill Shaft Bearing	1
97D	209932	†PIN, Pressure Relief	1			<i>SHAFT, Reverse Drive</i>	
97E	209389	†SPRING, Pressure Relief	1	133A	800809	**For Serial Group "A" (See Page 38)	1
97F	220678	†GUARD, Relief Spring	1	133B	216671	For Serial Group "B" (See Page 38)	1
97G	209937	†WASHER, Relief Spring	1				
97H	619023	†WASHER, Clutch Drum Balance	1	134	675544	CUP, Drive Shaft Bearing	1
97J	100284	†BOLT, Drum to Hub	8	134A	223881	†RING, Bearing Locating	1
98	224097	RING, Clutch Drum Hub Retaining	1	135	675547	CONE, Drive Shaft Bearing	1
99	208776	RING, Piston Outer Sealing	1	136	675547	CONE, Drive Shaft Bearing	1
100	221996	PISTON, Clutch	1	137	675544	CUP, Drive Shaft Bearing	1
101	221998	DISC, Clutch Outer	1	138	1C-718	BOLT, Bearing Cap	4
				139	4E-07	LKWSHR, Bearing Cap	4
				140	209364	CAP, Reverse Shaft Bearing	1

†Not Illustrated
‡As Required
§Not Sold Separately

**NOTE: 800809, 800810 and 800811 Shaft and Hub Kits include Drive Shaft and one 216673 Clutch Disc Hub. After these Kits have been installed in unit use parts listed for serial group "B" for subsequent replacement.

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

TRANSMISSION ASSEMBLY — MODEL 75A (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
141	209365	‡SHIM, Bearing Cap — .004"	—	179	209423	**SHAFT, Output (Inc. 179A)	1
141A	209366	‡SHIM, Bearing Cap — .007"	—	179A	225408	†BUSHING, Shaft	1
141B	209367	‡SHIM, Bearing Cap — .010"	—	180	800656	**GEAR, Output Shaft Low (Inc. Bushing & 181) 55T	1
142	209372	GEAR, Reverse Idler (52T)	1	181	209673	**RING, Low Gear Oil	1
143	675544	CUP, Quill Shaft Bearing	1	182	209407	**WASHER, Output Shaft Gear Thrust	1
143A	223881	†RING, Bearing Locating	1	183	209701	**‡SHIM, Bearing Cap — .004"	—
144	675548	CONE, Quill Shaft Bearing	1	183A	209702	**‡SHIM, Bearing Cap — .007"	—
145	209371	GEAR, Reverse Shaft Drive (54T)	1	183B	209703	**‡SHIM, Bearing Cap — .010"	—
146	209368	SHAFT, Reverse Quill	1	184	209692	**CAP, Front Bearing	1
147		SCREEN ASSY, Oil		185	206864	**SEAL, Bearing Cap Oil	1
147A	209354	For T-75A-1	1	186	201566	**SCREW, Shift Fork Lock	1
147B	220669	For T-75A-3	1	187	209403	**FORK, High & Low Shift	1
148	209391	CAP, Clutch Bearing	1	188	209406	**GASKET, Shift Shaft Support	1
149	4E-07	LKWSHR, Bearing Cap	4	189	209405	**SUPPORT, Shift Shaft	1
150	1C-718	BOLT, Bearing Cap	4	190	5C-616	**BOLT, & LKWSHR, Shift Shaft Support	1
151	222410	DRUM ASSY, Clutch (Inc. 151A, 151B)	1	191	209404	**SHAFT, High & Low Shift	1
151A	222407	†HOUSING, Bleed Valve	1	192	208871	**SEAL, Shift Shaft Support Oil	1
151B	10J-06	†BALL, Bleed Valve	1	193	10J-12	**BALL, Mesh Lock	1
151C		†SHUB, Clutch Drum (See 151)	1	194	40K-04	**PLUG, Mesh Lock	1
151D	209932	†PIN, Pressure Relief	1	195	201844	**SPRING, Mesh Lock	1
151E	209389	†SPRING, Pressure Relief	1	196	205928	**NUT, Output Shaft Flange	1
151F	220678	†GUARD, Relief Spring	1	197	1F-432	**COTTER, Flange Nut	1
151G	209937	†WASHER, Relief Spring	1	198	209414	**FLANGE ASSY, Output (Inc. 199)	1
151H	619023	†WASHER, Clutch Drum Balance	1	199	100949	**DEFLECTOR, Output Flange	1
151J	100284	†BOLT, Drum to Hub	8	200	1C-718	**BOLT, Bearing Cap	4
152	234038	RING, Piston Inner Sealing	1	201	4E-07	**LKWSHR, Bearing Cap	4
153	208776	RING, Piston Outer Sealing	1	202	675544	**CUP, Output Shaft Bearing	1
154	221998	DISC, Clutch Outer	1	203	675548	**CONE, Output Shaft Bearing	1
155	208773	DISC, Clutch Outer	4	204	209396	**GEAR, Output Shaft High (Inc. Bushing) 29T	1
156	216697	SPRING, Clutch Disc Release	10	205	525293	MAGNET	1
157	208760	PLATE, Clutch Disc End	1	206	223780	SPRING, Magnet Retaining	1
158	223942	RING, End Plate Retaining	1	207	13F-12	PLUG, Drain	1
159	224068	RING, Clutch Disc Hub Retaining	2	208	215644	PAN, Drain	1
160	5C-614	BOLT & LKWSHR, Clutch Cover	16	209	5C-616	BOLT & LKWSHR, Oil Pan	14
161	205928	**NUT, Output Flange	1	210	675548	**CONE, Output Shaft Bearing	1
162	209414	**FLANGE ASSY, Output (Inc. 163)	1	211	675544	**CUP, Output Shaft Bearing	1
163	100949	**DEFLECTOR, Output Flange	1	212	223881	**RING, Bearing Retaining	1
164	206864	**SEAL, Output Shaft Oil	1	213	209411	**SHIM, Output Shaft Housing	1
165	209428	**CAP, Output Shaft Bearing	1	214	4E-07	**LKWSHR, Housing to Case	7
166	713997	**BEARING, Output Shaft	1	215	1C-720	**BOLT, Housing to Case	7
167	234650	**SEAL, Shift Shaft Oil	1	216	224069	**RING, Bearing Locating	1
168	209434	**SHAFT, Rear Output Shift	1	217	209427	**HUB, Rear Output Shaft Shift	1
169	209433	**FORK, Output Shaft Shift	1	218	209426	**SHAFT, Rear Output	1
170	201566	**SCREW, Shift Fork Lock	1	219	223925	**RING, Rear Output Shaft Locating	1
171	209430	**HOUSING, Rear Output Shaft	1	220	209429	**GASKET, Bearing Cap	1
172	10J-12	**BALL, Mesh Lock	1	221	4E-07	**LKWSHR, Bearing Cap	4
173	201413	**SPRING, Mesh Lock	1	222	1C-718	**BOLT, Bearing Cap	4
174	209431	**COVER, Output Shaft Housing	1	223	1F-432	**COTTER, Flange Nut	1
175	5C-612	**BOLT & LKWSHR, Housing Cover	6	224	356618	†BUSHING, Case Reducing — 3/4" x 3/8"	1
176	209432	**GASKET, Housing Cover	1	225	356626	†BUSHING, Case Reducing — 1-1/4" x 1"	1
177	209407	**WASHER, Output Shaft Gear Thrust	1	226	13F-12	†PLUG, Filler	1
178	209409	**HUB, High & Low Shift	1	227		TRANSMISSION CONTROL COVER — (See Index)	—

‡As Required
†Not Illustrated
§Not Sold Separately

Serial Group "A":

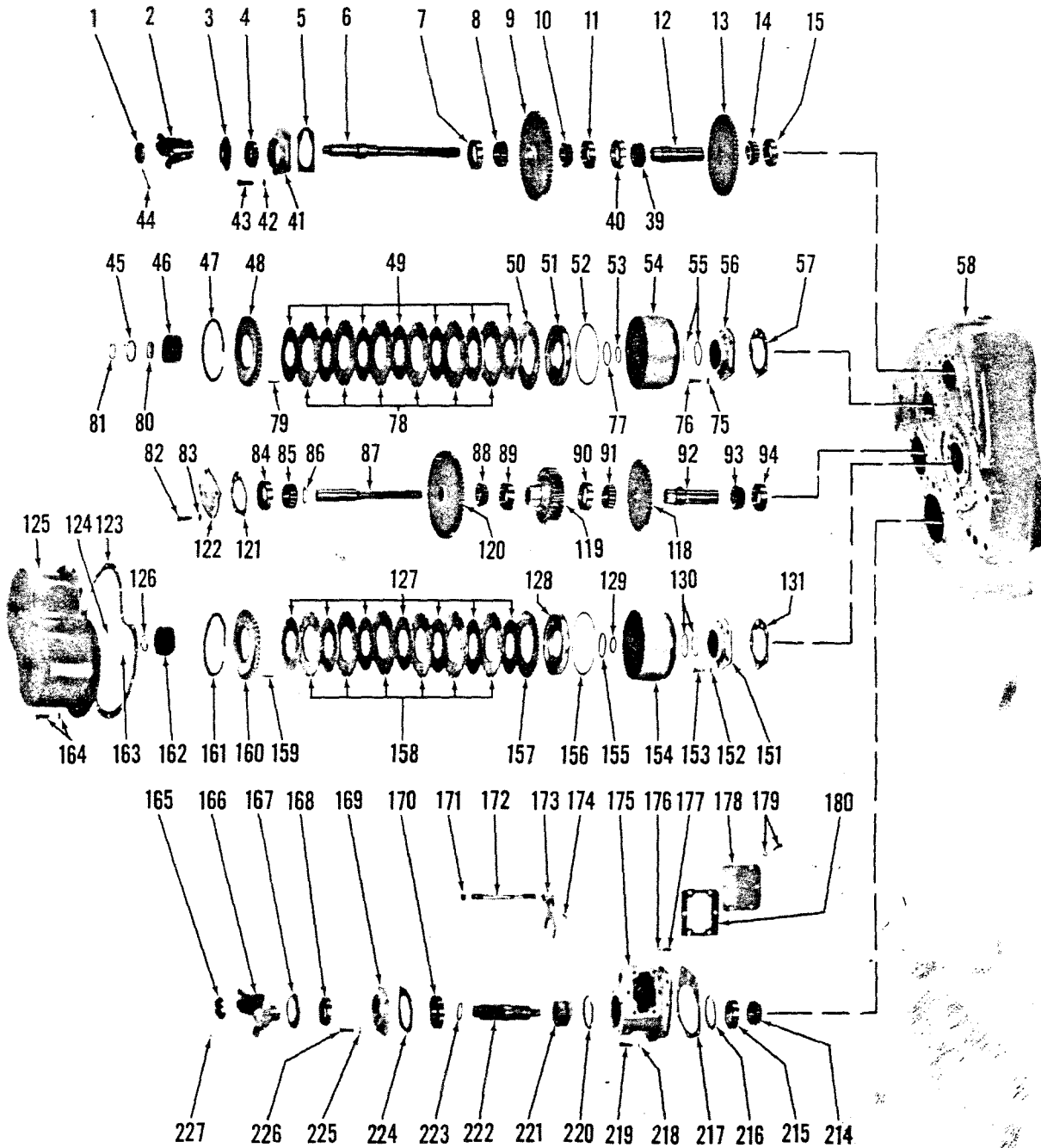
8123 thru 9253, 9255 thru 9267, 9269 thru 9284, 9290, 9291, 9297, 9299, 9300, 9302, 9304, 9313, 9316, 9322, 9326, 9354, 9359, 9361, 9362, 9377, 9397, 9417, 9494, 9521, 9522, 9524.

**NOTE: Output Shaft Parts listed above are for Model 75A only — Refer to page 45 & 46 for Output Shaft Parts for Model 75B & R.

Serial Group "B":

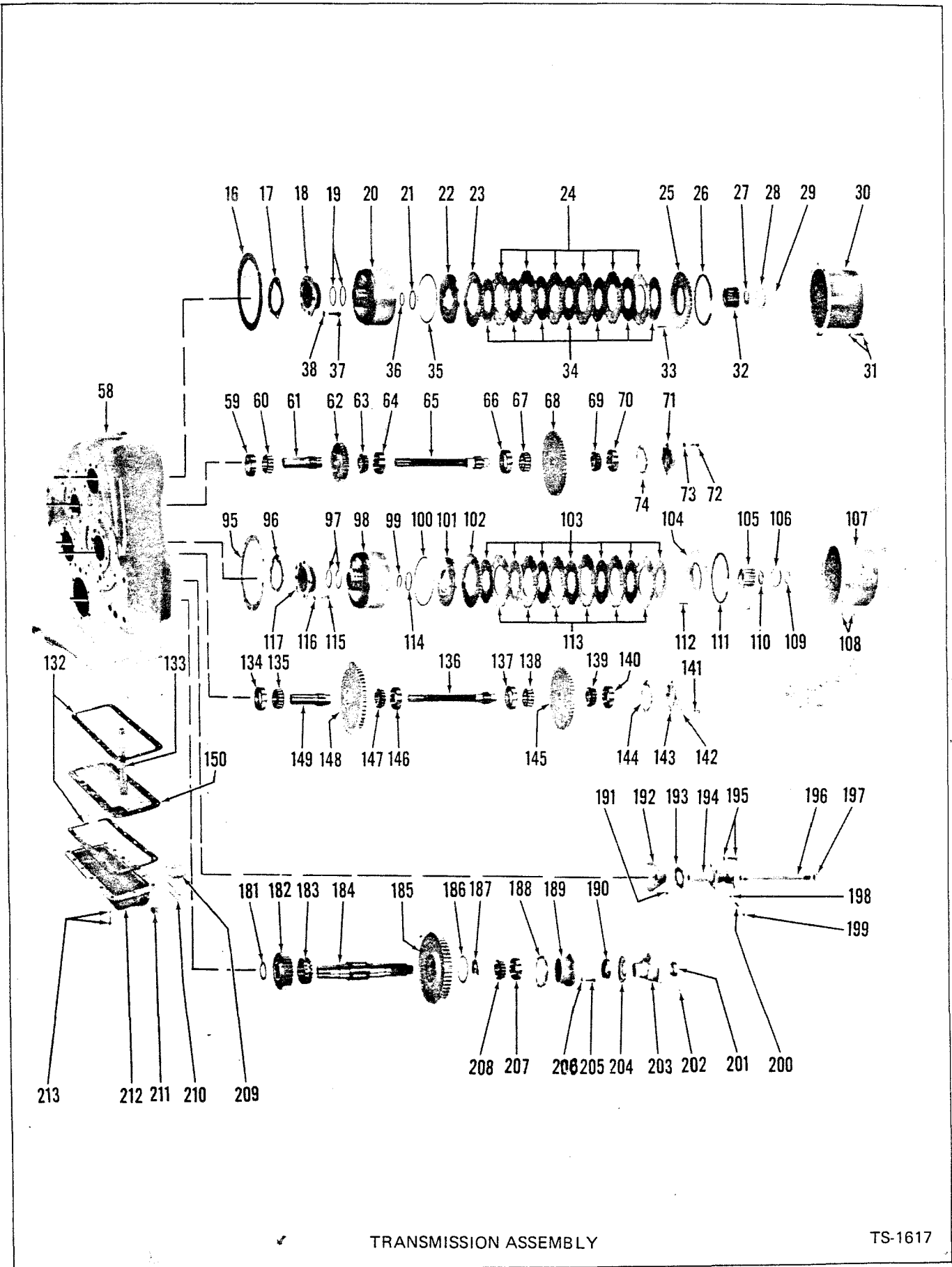
9254, 9268, 9285 thru 9289, 9292 thru 9296, 9298, 9301, 9303, 9305 thru 9312, 9314, 9315, 9317 thru 9321, 9323, 9324, 9325, 9327 thru 9353, 9355 thru 9358, 9360, 9363 thru 9376, 9378 thru 9396, 9398 thru 9416, 9418 thru 9493, 9495 thru 9520, 9523, 9525 thru 12183, 1CA3170 and thereafter and 1CB83 and thereafter

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



TRANSMISSION ASSEMBLY

TS-1617



TRANSMISSION ASSEMBLY

TS-1617

TRANSMISSION ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281740	TRANSMISSION ASSY - (R-300FS-5) (Inc. 1 thru 234)	1	41	209339	CAP, Input Shaft Bearing	1
1	201951	NUT, Input Flange	1	42	6E-07	LKWSHR, Bearing Cap	4
2	209343	FLANGE ASSY, Input (Inc. 3)	1	43	226862	STUD, Bearing Cap	4
3	100949	DEFLECTOR, Input Flange	1	43A	62D-07	†NUT, Bearing Cap	4
4	206864	SEAL, Input Shaft Oil	1	44	1F-424	COTTER, Flange Nut	1
5	209340	‡SHIM, Bearing Cap - .004"	-	45	223867	RING, Hub Washer Locating	1
5A	209341	‡SHIM, Bearing Cap - .007"	-	46	220398	HUB, Clutch Disc	1
5B	209342	‡SHIM, Bearing Cap - .010"	-	47	223942	RING, End Plate Retaining	1
6	220390	SHAFT, Input	1	48	208760	PLATE, Clutch Disc End	1
7	675544	CUP, Input Shaft Bearing	1	49	216677	DISC, Clutch Inner	7
8	675547	CONE, Input Shaft Bearing	1	50	221998	DISC, Clutch Outer	1
9	209377	GEAR, Input Shaft Reverse (45T)	1	51	221996	PISTON, Clutch	1
10	675547	CONE, Input Shaft Bearing	1	52	208776	RING, Piston Outer Sealing	1
11	675544	CUP, Input Shaft Bearing	1	53	224106	RING, Drum Hub Retaining	1
11A	223881	†RING, Bearing Locating	1	54	222409	DRUM ASSY, Clutch (Inc. 54A, 54B)	1
12	220389	SHAFT, Forward Gear Quill	1	54A	222407	†HOUSING, Bleed Valve	1
13	209369	GEAR, Input Shaft Forward (43T)	1	54B	10J-06	†BALL, Bleed Valve	1
14	731321	CONE, Quill Shaft Bearing	1	55	209387	RING, Drum Hub Sealing	2
15	731319	CUP, Quill Shaft Bearing	1	56	220469	CAP, Clutch Bearing	1
16	221401	GASKET, Clutch Cover	1	57	220471	‡SHIM, Bearing Cap - .004"	-
17	220471	‡SHIM, Bearing Cap - .004"	-	57A	220472	‡SHIM, Bearing Cap - .007"	-
17A	220472	‡SHIM, Bearing Cap - .007"	-	57B	220473	‡SHIM, Bearing Cap - .010"	-
17B	220473	‡SHIM, Bearing Cap - .010"	-	57C	221209	‡SHIM, Bearing Cap - .020"	-
17C	221209	‡SHIM, Bearing Cap - .020"	-	58	220934	CASE ASSY, Transmission	1
18	220469	CAP, Clutch Bearing	1	59	731319	CUP, Quill Shaft Bearing	1
19	209387	RING, Clutch Drum Sealing	2	60	731321	CONE, Quill Shaft Bearing	1
20	222409	DRUM ASSY, Clutch (Inc. 20A, 20B)	1	61	220389	SHAFT, 1st & 3rd Quill	1
20A	222407	†HOUSING, Bleed Valve	1	62	209374	GEAR, 1st & 3rd Drive (29T)	1
20B	10J-06	†BALL, Bleed Valve	1	63	675548	CONE, Quill Shaft Bearing	1
21	234038	RING, Piston Inner Sealing	1	64	675544	CUP, Quill Shaft Bearing	1
22	221996	PISTON, Clutch	1	64A	223881	†RING, Bearing Locating	1
23	221998	DISC, Clutch Outer	1	65	220388	SHAFT, 1st & 3rd Drive	1
24	208773	DISC, Clutch Outer	6	66	675544	CUP, Drive Shaft Bearing	1
25	208760	PLATE, Clutch Disc End	1	66A	223881	†RING, Bearing Locating	1
26	223942	RING, End Plate Retaining	1	67	675547	CONE, Drive Shaft Bearing	1
27	220468	WASHER, Disc Hub Retaining	1	68	209375	GEAR, 1st & 3rd Drop (44T)	1
28	223867	RING, Hub Washer Locating	1	69	675547	CONE, Drive Shaft Bearing	1
29	224047	RING, Hub Washer Retaining	1	70	675544	CUP, Drive Shaft Bearing	1
30	220391	COVER, Clutch	1	71	209364	CAP, Drive Shaft Bearing	1
31	21C-612	BOLT, Clutch Cover	10	72	226862	STUD, Bearing Cap	4
32	220398	HUB, Clutch Disc	1	72A	62D-07	†NUT, Bearing Cap	4
33	220186	SPRING, Clutch Disc Release	10	73	4E-07	LKWSHR, Bearing Cap	4
34	216677	DISC, Clutch Inner	7	74	209365	‡SHIM, Bearing Cap - .004"	-
35	208776	RING, Piston Outer Sealing	1	74A	209366	‡SHIM, Bearing Cap - .007"	-
36	224106	RING, Drum Hub Retaining	1	74B	209367	‡SHIM, Bearing Cap - .010"	-
37	1C-718	BOLT, Bearing Cap	4	75	4E-07	LKWSHR, Bearing Cap	4
38	4E-07	LKWSHR, Bearing Cap	4	76	1C-718	BOLT, Bearing Cap	4
39	675548	CONE, Quill Shaft Bearing	1	77	234038	RING, Piston Inner Sealing	1
40	675544	CUP, Quill Shaft Bearing	1	78	208773	DISC, Clutch Outer	6
40A	223881	†RING, Bearing Locating	1	79	220186	SPRING, Clutch Disc Release	10
				80	220468	WASHER, Disc Hub Retaining	1

‡As Required
†Not Illustrated

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

TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
81	224047	RING, Hub Washer Retaining	1	121	220513	‡SHIM, Bearing Cap — .004"	—
82	226862	STUD, Bearing Cap	5	121A	220514	‡SHIM, Bearing Cap — .007"	—
82A	62D-07	†NUT, Bearing Cap	5	121B	220515	‡SHIM, Bearing Cap — .010"	—
83	4E-07	LKWSHR, Bearing Cap	5	122	220508	CAP, Drive Shaft Bearing	1
84	731336	CUP, Drive Shaft Bearing	1	123	209370	GASKET, Clutch Cover	1
85	711124	CONE, Drive Shaft Bearing	1	124	224047	RING, Hub Washer Retaining	1
86	224031	RING, High Gear Locating	1	125	220386	COVER, Clutch	1
87	220393	SHAFT, 2nd & 4th Drive	1	126	220468	WASHER, Disc Hub Retaining	1
88	654875	CONE, Drive Shaft Bearing	1	127	216677	DISC, Clutch Inner	7
89	731336	CUP, Drive Shaft Bearing	1	128	221996	PISTON, Clutch	1
89A	223951	†RING, Bearing Locating	1	129	224106	RING, Clutch Drum Hub Retaining	1
90	675544	CUP, Quill Shaft Tapered Bearing	1	130	209387	RING, Drum Hub Sealing	2
91	675548	CONE, Quill Shaft Tapered Bearing	1	131	220471	‡SHIM, Bearing Cap — .004"	—
92	220389	SHAFT, 2nd & 4th Quill	1	131A	220472	‡SHIM, Bearing Cap — .007"	—
93	731321	CONE, Quill Shaft Tapered Bearing	1	131B	220473	‡SHIM, Bearing Cap — .010"	—
94	731319	CUP, Quill Shaft Tapered Bearing	1	131C	221209	‡SHIM, Bearing Cap — .020"	—
95	221401	GASKET, Clutch Cover	1	132	209353	GASKET, Oil Pan	2
96	220471	‡SHIM, Bearing Cap — .004"	—	133	220673	PIPE, Oil Suction	1
96A	220472	‡SHIM, Bearing Cap — .007"	—	134	731319	CUP, Quill Shaft Bearing	1
96B	220473	‡SHIM, Bearing Cap — .010"	—	135	731321	CONE, Quill Shaft Bearing	1
96C	221209	‡SHIM, Bearing Cap — .020"	—	136	220388	SHAFT, Reverse Drive	1
97	209387	RING, Drum Hub Sealing	2	137	675544	CUP, Drive Shaft Bearing	1
98	222409	DRUM ASSY, Clutch (Inc. 98A, 98B)	1	137A	223881	†RING, Bearing Locating	1
98A	222407	†HOUSING, Bleed Valve	1	138	675547	CONE, Drive Shaft Bearing	1
98B	10J-06	†BALL, Bleed Valve	1	139	675547	CONE, Drive Shaft Bearing	1
99	224106	RING, Drum Hub Retaining	1	140	675544	CUP, Drive Shaft Bearing	1
100	208776	RING, Piston Outer Sealing	1	141	226862	STUD, Bearing Cap	4
101	221996	PISTON, Clutch	1	141A	62D-07	†NUT, Bearing Cap	4
102	221998	DISC, Clutch Outer	1	142	4E-07	LKWSHR, Bearing Cap	4
103	216677	DISC, Clutch Inner	7	143	209364	CAP, Reverse Shaft Bearing	1
104	208760	PLATE, Clutch Disc End	1	144	209365	†SHIM, Bearing Cap — .004"	—
105	220398	HUB, Clutch Disc	1	144A	209366	‡SHIM, Bearing Cap — .007"	—
106	223867	RING, Hub Washer Locating	1	144B	209367	‡SHIM, Bearing Cap — .010"	—
107	220391	COVER, Clutch	1	145	209372	GEAR, Reverse Idler (52T)	1
108	21C-612	BOLT, Clutch Cover	10	146	675544	CUP, Drive Shaft Bearing	1
109	224047	RING, Hub Washer Retaining	1	146A	223881	†RING, Bearing Locating	1
110	220468	WASHER, Disc Hub Retaining	1	147	675548	CONE, Drive Shaft Bearing	1
111	223942	RING, End Plate Retaining	1	148	209371	GEAR, Reverse Shaft Drive (54T)	1
112	220186	SPRING, Clutch Disc Release	10	149	220389	SHAFT, Drive Gear Quill	1
113	208773	DISC, Clutch Outer	6	150	220669	SCREEN, Oil	1
114	234038	RING, Piston Inner Sealing	1	151	220469	CAP, Clutch Bearing	1
115	1C-718	BOLT, Bearing Cap	4	152	4E-07	LKWSHR, Bearing Cap	4
116	4E-07	LKWSHR, Bearing Cap	4	153	1C-718	BOLT, Bearing Cap	4
117	220469	CAP, Clutch Bearing	1	154	222409	DRUM ASSY, Clutch (Inc. 154A, 154B)	1
118	209369	GEAR, 2nd & 4th Drive (43T)	1	154A	222407	†HOUSING, Bleed Valve	1
119	220395	GEAR, 2nd & 4th Low (32T)	1	154B	10J-06	†BALL, Bleed Valve	1
120	220394	GEAR, 2nd & 4th High (57T)	1				

‡As Required
†Not Illustrated

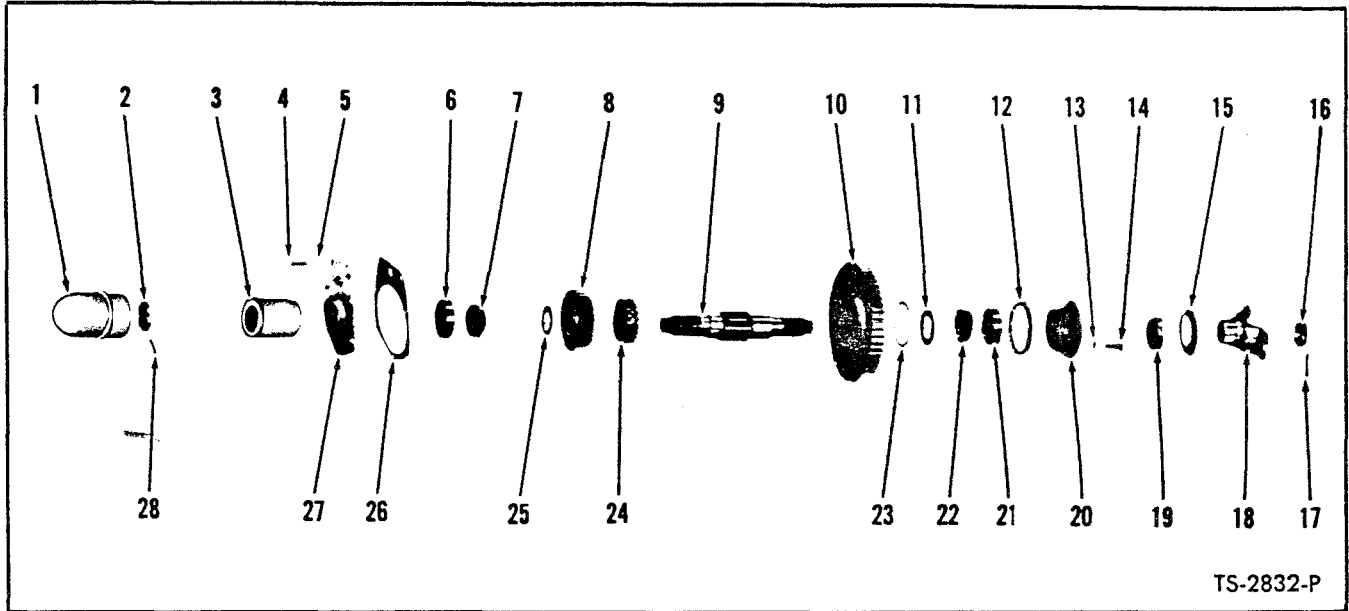
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
155	234038	RING, Piston Inner Sealing	1	194	209405	SUPPORT, High & Low Shift Shaft	1
156	208776	RING, Piston Outer Sealing	1	195	5C-616	BOLT & LKWSHR, Shift Shaft Support	4
157	221998	DISC, Clutch Outer	1	196	209404	SHAFT, High & Low Shift	1
158	208773	DISC, Clutch Outer	6	197	208871	SEAL, Shift Shaft Support Oil	1
159	220186	SPRING, Clutch Disc Release	10	198	10J-12	BALL, Mesh Lock	1
160	208760	PLATE, Clutch Disc End	1	199	40K-04	PLUG, Mesh Lock	1
161	223942	RING, End Plate Retaining	1	200	201844	SPRING, Mesh Lock	1
162	220398	HUB, Clutch Disc	1	201	205928	NUT, Output Shaft Flange	1
163	223867	RING, Hub Washer Locating	1	202	1F-432	COTTER, Flange Nut	1
164	21C-612	BOLT, Clutch Cover	16	203	209414	FLANGE ASSY, Output (Inc. 204)	1
165	205928	NUT, Output Flange	1	204	100949	DEFLECTOR, Output Flange	1
166	209414	FLANGE ASSY, Output (Inc. 167)	1	205	226862	STUD, Front Bearing Cap	4
167	100949	DEFLECTOR, Output Flange	1	205A	62D-07	†NUT, Front Bearing Cap	4
168	206864	SEAL, Bearing Cap Oil	1	206	4E-07	LKWSHR, Front Bearing Cap	4
169	209428	CAP, Rear Output Shaft Bearing	1	207	675544	CUP, Output Shaft Bearing	1
170	713997	BEARING, Rear Output Shaft	1	208	675548	CONE, Output Shaft Bearing	1
171	234650	SEAL, Shift Shaft Oil	1	209	525293	MAGNET, Oil Screen	1
172	209434	SHAFT, Rear Output Shaft Shift	1	210	223780	SPRING, Magnet Retaining	1
173	209433	FORK, Rear Output Shaft Shift	1	211	13F-12	PLUG, Drain	1
174	201566	SCREW, Shift Fork Lock	1	212	215644	PAN, Oil	1
175	209430	HOUSING, Rear Output Shaft	1	213	5C-616	BOLT & LKWSHR, Oil Pan	14
176	10J-12	BALL, Mesh Lock	1	214	675548	CONE, Output Shaft Bearing	1
177	201844	SPRING, Mesh Lock	1	215	675544	CUP, Output Shaft Bearing	1
178	209431	PLATE, Rear Housing Cover	1	216	223881	RING, Bearing Retaining	1
179	5C-612	BOLT & LKWSHR, Cover Plate	6	217	209411	SHIM, Output Shaft Housing	1
180	209432	GASKET, Cover Plate	1	218	4E-07	LKWSHR, Housing to Case	7
181	209407	WASHER, Output Shaft Gear Thrust ..	1	219	226862	STUD, Housing to Case	7
182	209396	GEAR ASSY, Output Shaft High (Inc. Bushing) (29T)	1	219A	62D-07	†NUT, Housing to Case	7
183	209409	HUB, High & Low Shift	1	220	224069	RING, Bearing Retaining	1
184	209423	SHAFT ASSY, Output (Inc. 184A)	1	221	209427	HUB, Rear Output Shaft Shift	1
184A	225408	†BUSHING, Output Shaft	1	222	209426	SHAFT, Rear Output	1
185	800656	GEAR ASSY, Output Shaft Low (Inc. Bushing) (Inc. 186) (55T)	1	223	223925	RING, Bearing Locating	1
186	209673	RING, Low Gear Oil	1	224	209429	GASKET, Rear Bearing Cap	1
187	209407	WASHER, Output Shaft Gear Thrust ..	1	225	6E-07	LKWSHR, Rear Bearing Cap	4
188	209701	‡SHIM, Front Bearing Cap — .004"	—	226	226862	STUD, Rear Bearing Cap	4
188A	209702	‡SHIM, Front Bearing Cap — .007"	—	226A	62D-07	†NUT, Rear Bearing Cap	4
188B	209703	‡SHIM, Front Bearing Cap — .010"	—	227	1F-432	COTTER, Flange Nut	1
189	209692	CAP, Output Shaft Front Bearing	1	228	13F-12	†PLUG, Filler & Breather Hole	2
190	206864	SEAL, Bearing Cap Oil	1	229	16F-08	†PLUG, Transmission	1
191	201566	SCREW, Shift Fork Lock	1	230	19F-16	†BUSHING, Reducing	1
192	209403	FORK, High & Low Shift	1	231	550803	†LEVER, Control Valve	2
193	209406	GASKET, Shift Shaft Support	1	232	4E-04	†LKWSHR, Control Lever	2
				233	2C-424	†BOLT, Control Lever	2
				234	62D-04	†NUT, Control Lever	2

†Not Illustrated
‡As Required

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



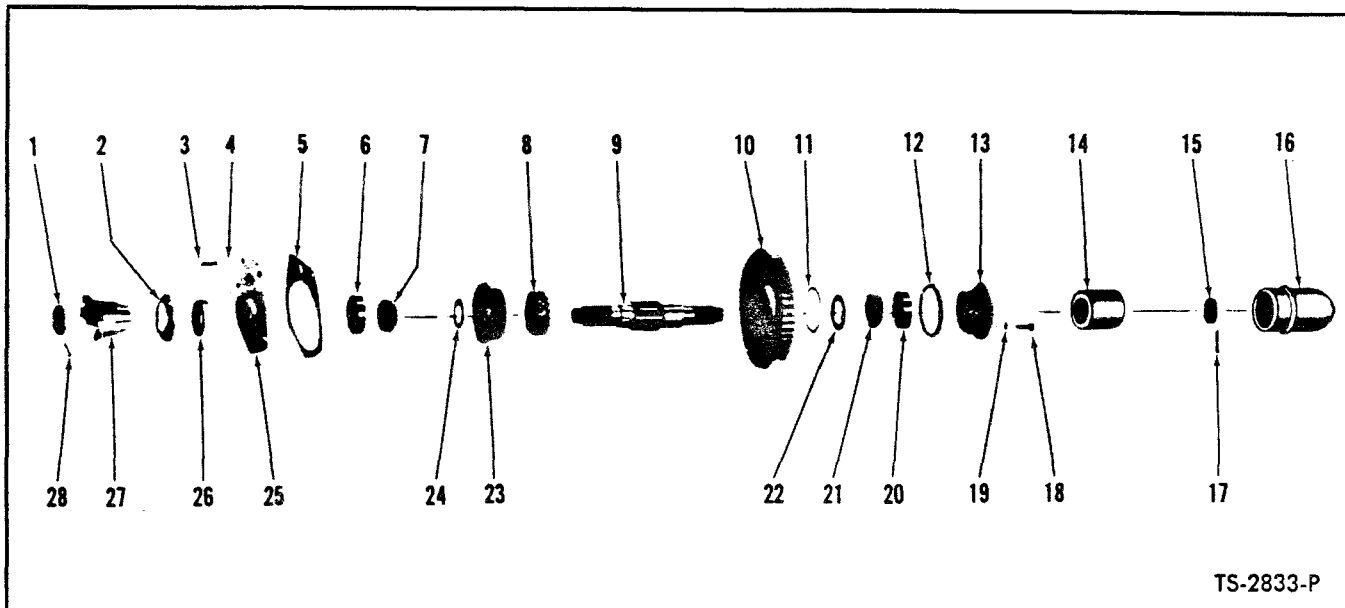
TS-2832-P

TRANSMISSION OUTPUT SHAFT — MODEL 75B

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		TRANSMISSION ASSY (Same as 75A Transmission with the exception of Output Shaft Parts listed below)		12A	209702	‡SHIM, Bearing Cap —.007"	—
B	280072	*(T-75B-1) For Serial 6123 thru 6163....	1	12B	209703	‡SHIM, Bearing Cap —.010"	—
C	280404	(T-75B-2) For Serial 6164 thru 6270....	1	13	4E-07	LKWSHR, Bearing Cap	4
		*NOTE: For complete replacement of 280072 use 280404		14	1C-718	BOLT, Bearing Cap	4
1	209412	CAP, Output Shaft Oil	1	15	100949	DEFLECTOR, Output Flange	1
2	205928	NUT, Output Shaft	1	16	205928	NUT, Output Flange	1
3	209413	SPACER, Output Shaft Bearing	1	17	1F-432	COTTER, Flange Nut	1
4	1C-720	BOLT, Bearing Retainer	7	18	209414	FLANGE ASSY, Output (Inc. 15)	1
5	4E-07	LKWSHR, Bearing Retainer	7	19	206864	SEAL, Output Shaft Oil	1
6	675544	CUP, Output Shaft Bearing	1	20	209692	CAP, Output Shaft Bearing	1
7	675548	CONE, Output Shaft Bearing	1	21	675544	CUP, Output Shaft Bearing	1
8	209396	GEAR, Output Shaft High (Inc. Bushing) (29T)	1	22	675548	CONE, Output Shaft Bearing	1
9	209408	SHAFT, Output	1	23	209673	RING, Low Gear Oil	1
10	800656	GEAR, Output Shaft Low (Inc. Bushing & 23) (55T)	1	24	209409	HUB, Output Shaft Hi & Low Shift.....	1
11	209407	WASHER, Low Gear Thrust	1	25	209407	WASHER, High Gear Thrust	1
12	209701	‡SHIM, Bearing Cap —.004"	—	26	209411	SHIM, Bearing Retainer	1
				27	209410	RETAINER, Output Shaft Bearing.....	1
				28	1F-432	COTTER, Output Shaft Nut	1

‡As Required

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

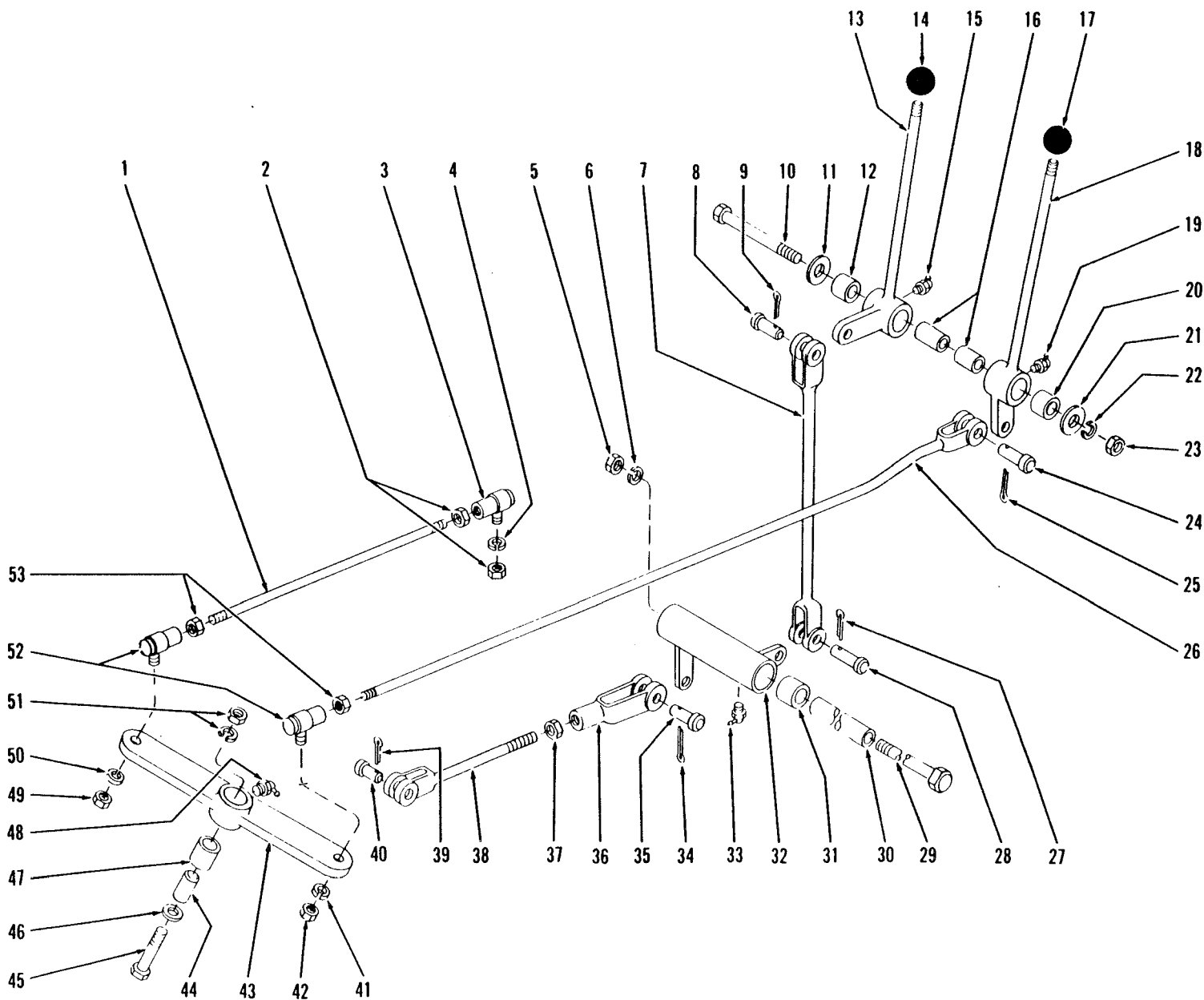


TRANSMISSION OUTPUT SHAFT — MODEL 75R

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		TRANSMISSION ASSY (Same as 75A Transmission with the exception of Output Shaft Parts listed below)		12A	209702	‡SHIM, Bearing Cap —.007"	—
B	280073	*(T-75R-1) For Serial 7123 thru 7145....	1	12B	209703	‡SHIM, Bearing Cap —.010"	—
C	280408	*(T-75R-2) For Serial 7146 thru 7183....	1	13	209692	CAP, Output Shaft Bearing	1
		*NOTE: For complete replacement of 280073 or 280408 use 281740		14	209413	SPACER, Output Shaft Bearing	1
1	205928	NUT, Output Shaft	1	15	205928	NUT, Output Shaft	1
2	100949	DEFLECTOR, Output Flange	1	16	209412	CAP, Output Shaft Rear Oil	1
3	1C-720	BOLT, Bearing Retainer	7	17	1F-432	COTTER, Output Shaft Nut	1
4	4E-07	LKWSHR, Bearing Retainer	7	18	1C-718	BOLT, Bearing Cap	4
5	209411	SHIM, Bearing Retainer	1	19	4E-07	LKWSHR, Bearing Cap	4
6	675544	CUP, Output Shaft Bearing	1	20	675544	CUP, Output Shaft Bearing	1
7	675548	CONE, Output Shaft Bearing	1	21	675548	CONE, Output Shaft Bearing	1
8	209409	HUB, Output Shaft Hi & Lo Shift	1	22	209407	WASHER, Low Gear Thrust	1
9	209408	SHAFT, Output	1	23	209396	GEAR, Output Shaft High (Inc. Bush- ing) (29T)	1
10	800656	GEAR, Output Shaft Low (Inc. Bushing & 11) (55T)	1	24	209407	WASHER, High Gear Thrust	1
11	209673	RING, Low Gear Oil	1	25	209410	RETAINER, Output Shaft Bearing	1
12	209701	‡SHIM, Bearing Cap —.004"	—	26	206864	SEAL, Output Shaft Oil	1
				27	209414	FLANGE ASSY (Inc. 2)	1
				28	1F-432	COTTER, Output Flange Nut	1

‡As Required

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



TRANSMISSION CONTROLS — MODEL 75A

TS-2613-P



CONSTRUCTION MACHINERY DIVISION

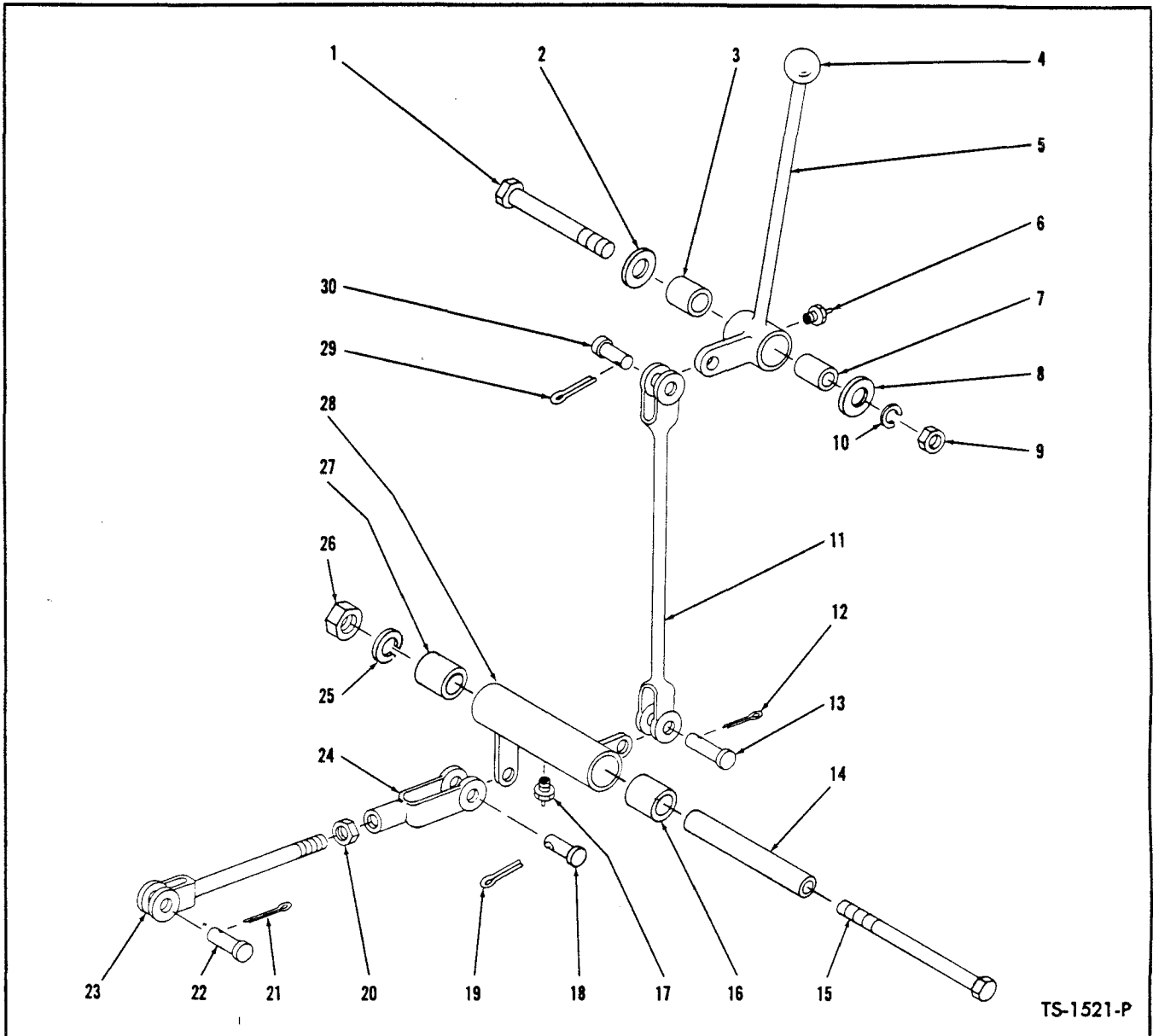


TRANSMISSION CONTROLS — MODEL 75A

Work and Travel, Two and Four Wheel Drive

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550691	ROD, Bell Crank to Transmission.....	1	28	4F-08127	PIN, Rod to Bell Crank	1
2	8D-06	NUT, Ball Joint	2	29	14C-10144	BOLT, Bell Crank Attaching	1
3	1301362	BALL JOINT, Rod to Transmission.....	1	30	551496	SLEEVE, Bell Crank	1
4	4E-06	LKWSHR, Ball Joint	1	31	526767	BUSHING, Bell Crank	2
5	2D-10	NUT, Bell Crank Attaching	1	32	551494	BELL CRANK, Range	1
6	4E-10	LKWSHR, Bell Crank Attaching	1	33	12H-15	FITTING, Bell Crank Grease	1
7	550679	ROD, Range — Lever to Bell Crank....	1	34	1F-414	COTTER, Clevis Pin	1
8	4F-08127	PIN, Rod to Lever	1	35	4F-08127	PIN, Clevis to Bell Crank	1
9	1F-414	COTTER, Clevis Pin	1	36	2J-8300	CLEVIS, Rod to Bell Crank	1
10	2C-868	BOLT, Lever Attaching	1	37	8D-08	NUT, Clevis Jam	1
11	616796	WASHER, Lever Attaching	1	38	550683	ROD, Bell Crank to Transmission	1
12	526767	BUSHING, Lever	1	39	1F-310	COTTER, Clevis Pin	1
13	550677	LEVER, Range Shift	1	40	4F-06106	PIN, Rod to Transmission	1
14	509772	KNOB, Range Lever	1	41	4E-06	LKWSHR, Ball Joint	1
15	12H-15	FITTING, Range Lever Grease	1	42	8D-06	NUT, Ball Joint	1
16	550646	SLEEVE, Lever	2	43	550689	BELL CRANK, 4WD	1
17	509772	KNOB, 4WD Lever	1	44	550646	SLEEVE, Bell Crank	1
18	550685	LEVER, Four Wheel Drive Shift	1	45	4C-844	BOLT, Bell Crank Attaching	1
19	12H-15	FITTING, 4WD Shift Lever	1	46	616796	WASHER, Bell Crank Attaching	1
20	526767	BUSHING, Lever	1	47	526767	BUSHING, Bell Crank	1
21	616796	WASHER, Lever Attaching	1	48	12H-15	FITTING, Bell Crank Grease	1
22	4E-08	LKWSHR, Lever Attaching	1	49	8D-06	NUT, Ball Joint	1
23	2D-08	NUT, Lever Attaching	1	50	4E-06	LKWSHR, Ball Joint	1
24	4F-08127	PIN, Rod to Lever	1	51	2D-08	NUT, Bell Crank Attaching	1
25	1F-414	COTTER, Clevis Pin	1	51A	4E-08	LKWSHR, Bell Crank Attaching	1
26	550687	ROD, 4WD — Lever to Bell Crank	1	52	1301362	BALL JOINT	1
27	1F-414	COTTER, Clevis Pin	1	53	8D-06	NUT, Ball Joint	1

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

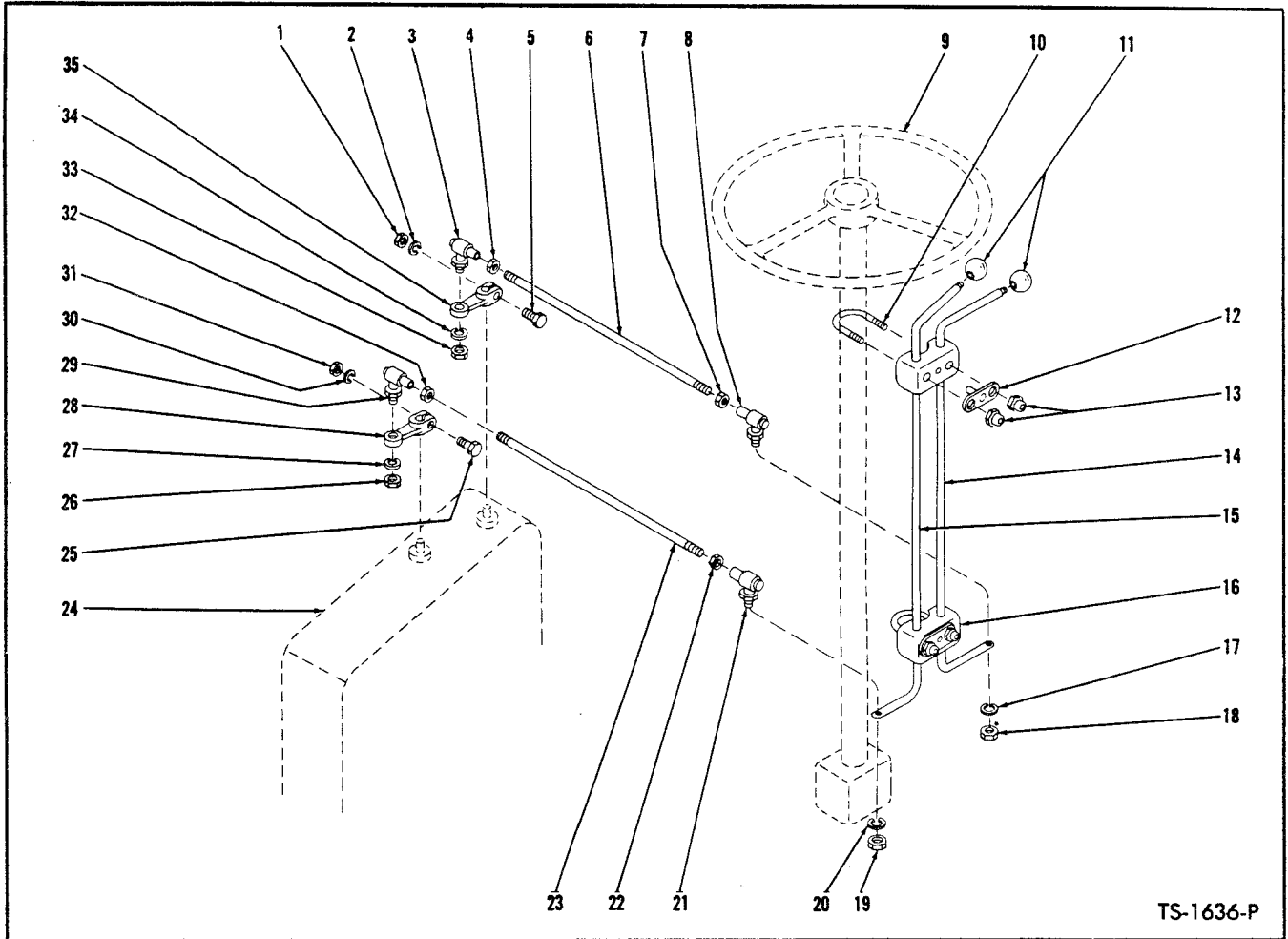


TS-1521-P

TRANSMISSION CONTROLS — WORK AND TRAVEL — 75B AND 75R

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-15	FITTING, Bell Crank Grease	1
3	526767	BUSHING, Shift Lever	1	18	4F-08127	PIN, Clevis	1
4	509772	KNOB, Shift Lever	1	19	1F-414	COTTER, Clevis Pin	1
5	550677	LEVER, Range Shift	1	20	8D-08	NUT, Clevis Jam	1
6	12H-15	FITTING, 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	550679	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	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

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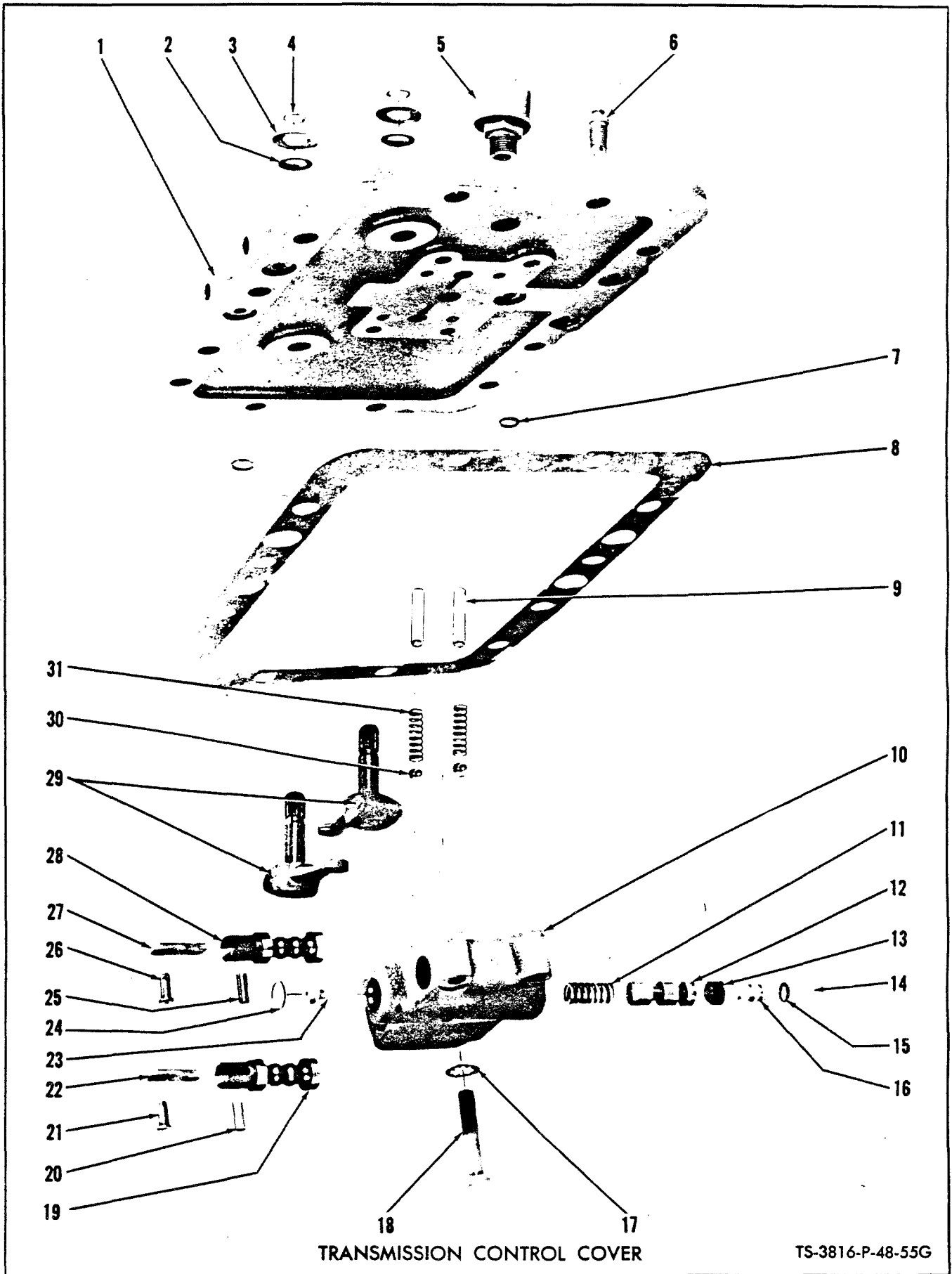
TS-1636-P

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, Lever Clamp	1	17	4E-06	LKWSHR, Ball Socket Attaching	1
2	4E-04	LKWSHR, Lever Clamp	1	18	8D-06	NUT, Ball Socket Attaching	1
3	1301362	BALL SOCKET	1	19	8D-06	NUT, Ball Socket Attaching	1
4	8D-06	NUT, Ball Socket Jam	1	20	4E-06	LKWSHR, Ball Socket Attaching	1
5	2C-424	BOLT, Lever Clamp	1	21	1301362	BALL SOCKET	1
6	550674	ROD, Shift	1	22	8D-06	NUT, Ball Socket Jam	1
7	8D-06	NUT, Ball Socket Jam	1	23	550674	ROD, Shift	1
8	1301362	BALL SOCKET	1	24	—	TRANSMISSION — (See Index)	—
9	—	STEERING GEAR — (See Index)	—	25	2C-424	BOLT, Lever Clamp	1
10	550672	U-BOLT, Shift Lever Attaching	2	26	8D-06	NUT, Ball Socket Attaching	1
11	509772	KNOB, Shift Levers	2	27	4E-06	LKWSHR, Ball Socket Attaching	1
12	550669	PLATE, Shift Lever Attaching	2	28	550803	LEVER, Transmission	1
13	18D-05	NUT, U-Bolt	4	29	1301362	BALL SOCKET	1
14	550667	LEVER, High & Low Shift	1	30	4E-04	LKWSHR, Lever Clamp	1
15	550663	LEVER, Forward & Reverse Shift	1	31	2D-04	NUT, Lever Clamp	1
16	*SUPPORT, Shift Levers	—	32	8D-06	NUT, Ball Socket Jam	1	
16A	581978	Male Half	2	33	8D-06	NUT, Ball Socket Attaching	1
16B	581979	Female Half	2	34	4E-06	LKWSHR, Ball Socket Attaching	1
				35	550803	LEVER, Transmission	1

*NOTE: When 581978 and 581979 Nylon Supports are installed in place of rubber support, 550669 Plate Item 12 is not required.

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



TRANSMISSION CONTROL COVER

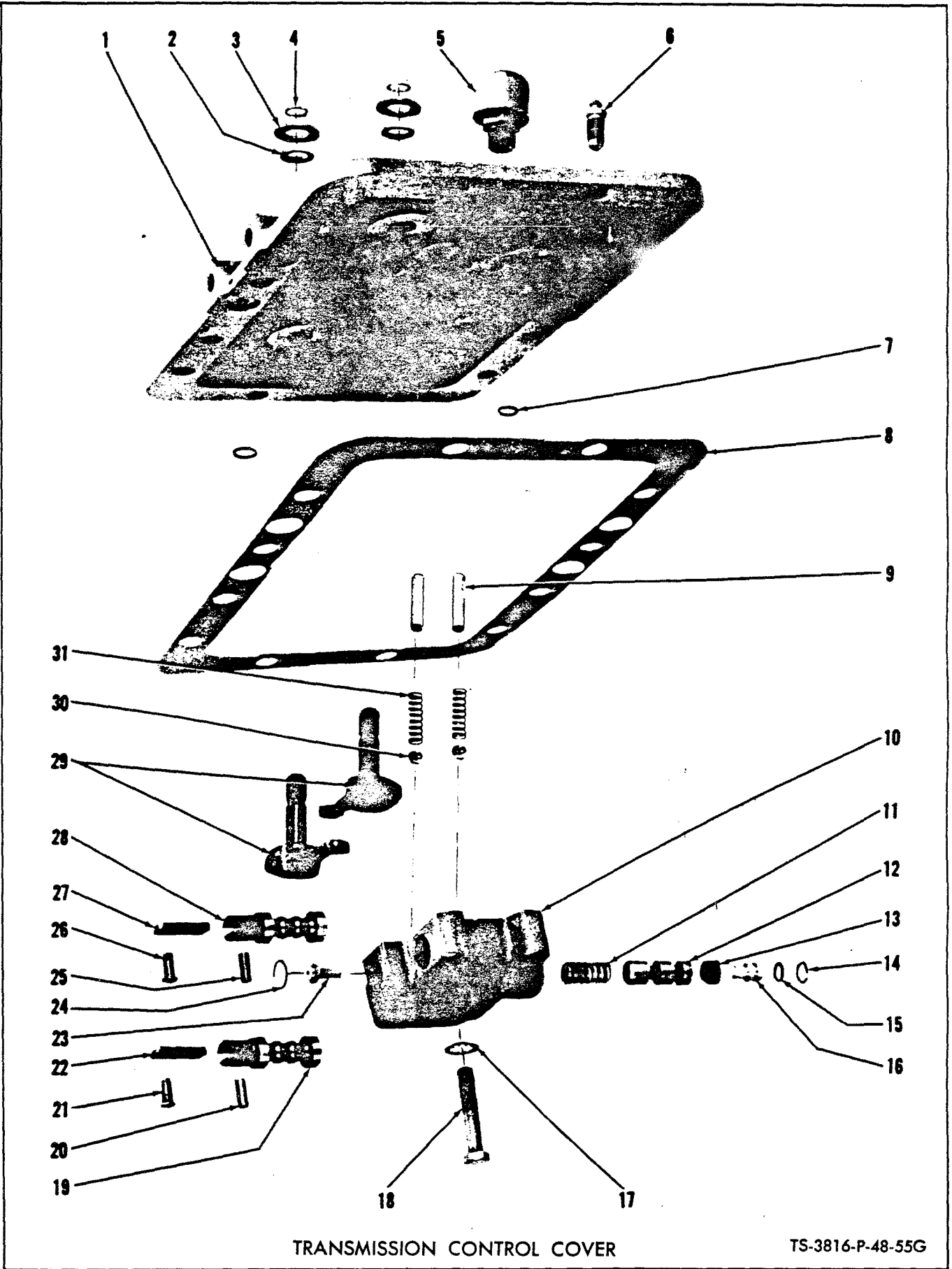
TS-3816-P-48-55G

TRANSMISSION CONTROL COVER

Item No.	Part No.	Description	No. Req'd.
A	800657	COVER ASSY, Control (Inc. 1, 2 thru 31)	1
B	227968	VALVE ASSY, Control (Inc. 10 thru 16, 19, 20, 22 thru 25, 27, 28)	1
1	209378	COVER, Control	1
1A	1C-718	†BOLT, Cover to Case	9
1B	4E-07	†LKWSHR, Cover to Case	9
1C	40K-02	†PLUG, Control Cover Oil Passage	5
2	208812	SEAL, Selector Arm Oil	2
3	25E-21	WASHER, Selector Arm	2
4	224095	RING, Selector Arm Washer Retaining	2
5	211433	BREATHER, Control Cover	1
6	208805	VALVE, Control Cover Brake Bleeder	1
7	25K-30016	"O" RING, Control Cover Oil Passage	5
8	209379	GASKET, Cover to Case	1
9	209874	STOP, Selector Valve Detent Ball	2
10	209380	HOUSING, Control Valve	1
11	220363	SPRING, Shut-Off Valve	1
12	208815	VALVE, Shut-Off	1
13	227874	CUP, Shut-Off Valve Sealing	1
14	223944	RING, Valve Stop Retaining	1
15	25K-30014	"O" RING, Shut-Off Valve Stop	1
16	209878	STOP, Shut-Off Valve	1
17	6E-06	LKWSHR, Valve to Cover	4
18	1C-628	BOLT, Valve to Cover	4
19	227968	VALVE, Selector — (See B)	1
20	208809	PIN, Selector Valve Link	1
21	208810	PIN, Link to Arm	1
21A	1F-208	†COTTER, Clevis Pin	1
22	209382	LINK, Valve to Arm	1
23	227873	GUIDE, Valve Spring	1
24	223944	RING, Spring Retaining	1
25	208809	PIN, Selector Valve Link	1
26	208810	PIN, Link to Arm	1
26A	1F-208	†COTTER, Clevis Pin	1
27	209382	LINK, Valve to Arm	1
28	227968	VALVE, Selector — (See B)	1
29	209690	ARM, Selector	2
30	10J-12	BALL, Selector Valve Detent	2
31	203647	SPRING, Selector Valve Detent Ball	2

†Not Illustrated

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



TRANSMISSION CONTROL COVER

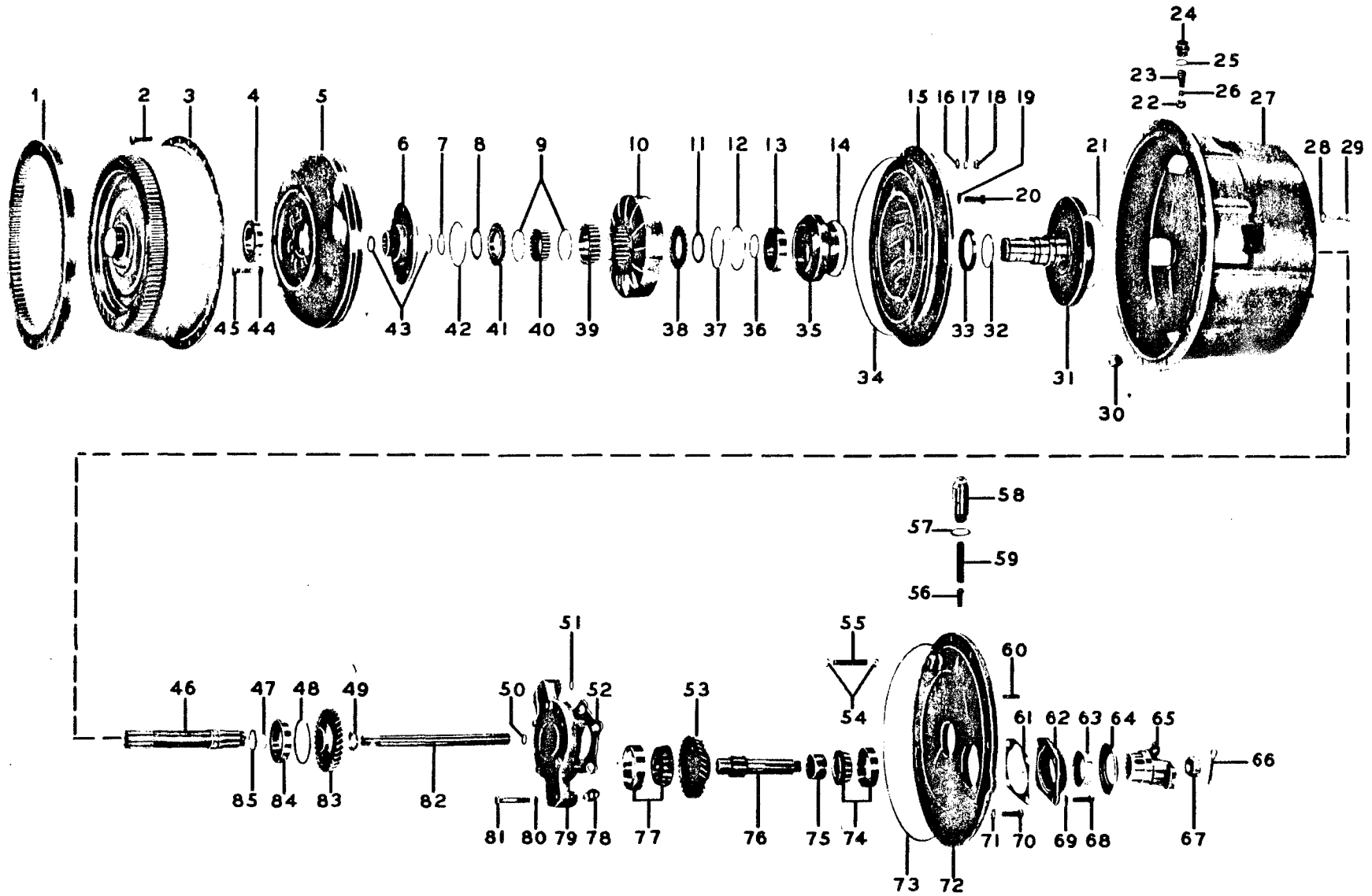
TS-3816-P-48-55G

TRANSMISSION CONTROL COVER

Item No.	Part No.	Description	R
A	225854	COVER ASSY, Control (Inc. 1 thru 35)	
B	227872	VALVE ASSY, Selector Control (Inc. 10 thru 16, 19, 20, 22 thru 25, 27, 28)	
1	220957	COVER, Control	
1A	13F-12	†PLUG, Control Cover	
2	208812	SEAL, Selector Arm Shaft Oil	
3	25E-21	WASHER, Selector Arm Shaft Seal	
4	224095	RING, Selector Arm Shaft Washer Retaining	
5	211433	BREATHER, Control Cover	
6	208805	VALVE, Bleeder	
7	25K-30016	"O" RING, Oil Passage	
8	209379	GASKET, Cover to Case	
9	209874	STOP, Selector Valve Detent Ball	
10	-----	§HOUSING, Selector Valve - See "B"	
10A	16F-02	†PLUG, Selector Valve	
11	220363	SPRING, Shut-Off Valve	
12	-----	§VALVE, Shut-Off - See "B"	
13	227874	CUP, Shut-Off Valve Sealing	
14	223944	RING, Shut-Off Valve Stop Retaining	
15	25K-30014	"O" RING, Shut-Off Valve Stop	
16	209878	STOP, Shut-Off Valve	
17	4E-06	LKWSHR, Valve to Cover Bolt	
18	1C-626	BOLT, Valve to Cover	
19	-----	§VALVE, Selector - See "B"	
20	208809	PIN, Selector Valve Link	
21	208810	PIN, Selector Valve Link Clevis	
21A	1F-208	†COTTER, Clevis Pin	
22	209382	LINK, Selector Valve	
23	227873	GUIDE, Valve Spring	
24	223944	RING, Shut-Off Valve Spring Retainer	
25	208809	PIN, Selector Valve Link	
26	208810	PIN, Selector Valve Link Clevis	
26A	1F-208	†COTTER, Clevis Pin	
27	209382	LINK, Selector Valve	
28	-----	§VALVE, Selector - See "B"	
29	209690	SHAFT ASSY, Selector	
30	10J-12	BALL, Selector Valve Detent	
31	203647	SPRING, Selector Valve Detent	
32	40K-02	†PLUG, Control Cover Oil Passage	
33	220947	†BAFFLE, Oil	
34	1C-718	†BOLT, Control Cover to Case	
35	4E-07	†LKWSHR, Control Cover to Case	

†Not Illustrated
§Not Sold Separately

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



TORQUE CONVERTER ASSEMBLY

TS-3608-P-83-56

TORQUE CONVERTER ASSEMBLY (Continued)

Item No.	Description	No. Req'd.	1 (C-75-1)	2 (C-75-2)	3 (C-75-3)	4 (C-75-6)
23	SPRING, Pressure Relief	1	209188			
24	PLUG, Oil Cooler Line	1	208783			
25	SEAL, Cooler Line Plug	1	221023			
26	BALL, Pressure Relief	1	10J-16			
27	§HOUSING, Converter	1	SEE 87			
28	LKWSHR, Support to Housing	6	6E-08			
29	BOLT, Support to Housing	6	2C-820			
30	PLUG, Filler	1	13F-12			
31	SUPPORT, Converter	1	220706			
32	RING, Support Oil	1	209307			
33	SEAL, Support Oil	1	209778			
34	"O" RING, Impeller to Drive Disc	1	214939			
35	HUB, Impeller	1	209775	209775	209782	209782
36	RING, Hub Bearing Locating	1	224075			
37	RING, End Plate Retaining	1	223860			
38	PLATE ASSY, Overrunning Clutch End (Inc. Bushing)	1	209316			
39	RACE, Overrunning Clutch Outer	1	209315			
40	CLUTCH ASSY, Overrunning (Inc. 9)	1	209314			
41	PLATE ASSY, Overrunning Clutch End (Inc. Bushing)	1	209316			
42	RING, End Plate Retaining	1	223860			
43	RING, Turbine Hub Retaining	2	224033			
44	WASHER, Turbine to Hub	6	619023			
45	BOLT, Turbine to Hub	6	209313			
46	SHAFT, Main Gear Drive (Inc. 49A, 49B).....	1	800968			
47	RING, Bearing Retaining	1	224043			
48	‡RING, Bearing Locating (.088 to .090)	—	223947			
48A	‡RING, Bearing Locating (.091 to .093)	—	223948			
48B	‡RING, Bearing Locating (.094 to .096)	—	223949			
48C	‡RING, Bearing Locating (.097 to .099)	—	223950			
49	NUT, Main Drive Gear	1	207949			For use with 224091 Shaft
49A	NUT, Main Drive Gear	1	221074			For use with 221073 Shaft
49B	†WASHER, Main Drive Gear	1	221075			For use with 221073 Shaft
50	RING, Pump Shaft Sealing	1	209781			
51	"O" RING, Converter Pump	1	25K-30020			
52	GASKET, Converter Pump	1	220701			
53	GEAR, Output Shaft	1	209336			

†Not Illustrated
‡As Required
§Not Sold Separately

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

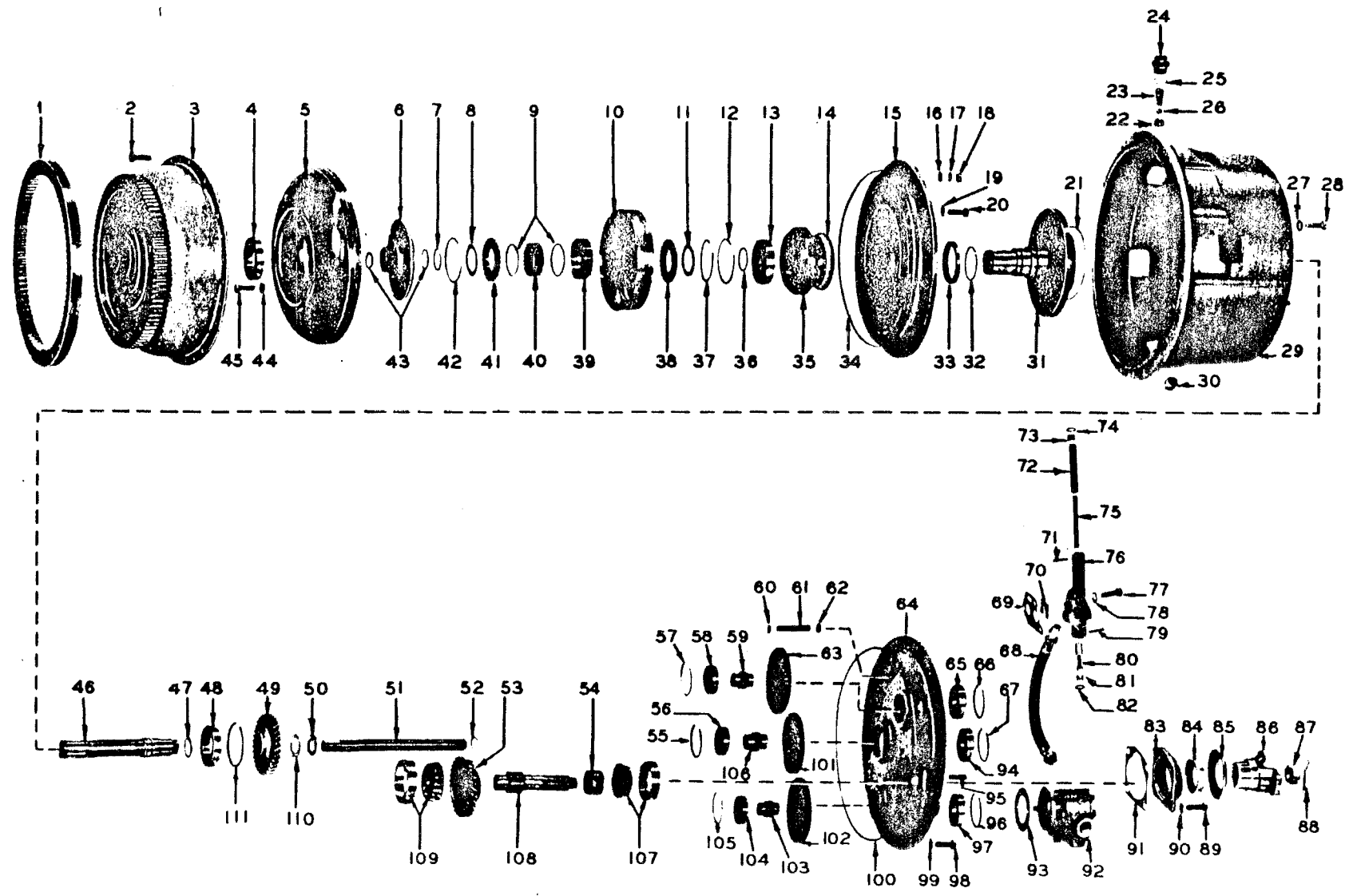


TORQUE CONVERTER ASSEMBLY (Continued)

Item No.	Description	No. Req'd.	1 (C-75-1)	2 (C-75-2)	3 (C-75-3)	4 (C-75-6)
54	"O" RING, Oil Tube	2	25K-30016	25K-30018	25K-30018	25K-30018
55	TUBE, Cover to Case Oil	1	209338	209869	209869	209869
56	VALVE, Pressure Regulator	1	209815			
57	SEAL, Pressure Regulator Plug	1	209818			
58	PLUG, Pressure Regulator	1	209817			
59	SPRING, Pressure Regulator	1	209816			
60	STUD, Main Pump Mounting	6	205096			
61	‡SHIM, Bearing Cap (.004)	—	209340			
61A	‡SHIM, Bearing Cap (.007)	—	209341			
61B	‡SHIM, Bearing Cap (.010)	—	209342			
62	CAP, Output Shaft Bearing	1	209339			
63	SEAL, Output Shaft Oil	1	206864			
64	DEFLECTOR, Output Flange	1	100949			
65	FLANGE ASSY, Output (Inc. 64)	1	209343			
66	COTTER, Flange Nut	1	1F-432			
67	NUT, Output Shaft Flange	1	201951			
68	BOLT, Bearing Cap	4	1C-720			
69	LKWSHR, Bearing Cap	4	4E-07			
70	BOLT, Cover to Housing	12	1C-720			
71	LKWSHR, Cover to Housing	12	4E-07			
72	§COVER, Housing	1	SEE 87			
73	"O" RING, Cover	1	209294			
74	CUP, Output Shaft Bearing	1	675544			
74A	CONE, Output Shaft Bearing	1	675547			
75	SPACER, Output Shaft Gear	1	209337			
76	SHAFT, Output	1	209334			
77	CUP, Output Shaft Bearing	1	675544			
77A	CONE, Output Shaft Bearing	1	675547			
78	GASKET, Converter Pump	2	220699			
79	PUMP ASSY, Converter (Inc. 51, 52, 78)	1	940384			
80	LKWSHR, Pump to Cover	6	6E-06			
81	BOLT, Pump to Cover	6	1C-636			
82	SHAFT, Oil Pump	1	209779			
83	GEAR, Main Drive	1	220492			
84	BEARING, Main Drive Gear	1	658016			
85	RING, Drive Gear Shaft Oil	1	209304			
86	PLUG, Drain — Magnetic	1	215757			
87	HOUSING & COVER ASSY (Inc. 22, 27, 70, 71, 72)	1	800655			
88	†DOWEL, Housing to Cover	1	102381			
89	†BOLT, Converter to Flywheel Housing	12	1C-620			
90	†LKWSHR, Converter to Flywheel Housing	12	4E-06			

‡As Required
†Not Illustrated
§Not Sold Separately

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



TORQUE CONVERTER ASSEMBLY

TS-3609-P-87-56



TORQUE CONVERTER ASSEMBLY

For Serial: 75A GAS - 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 thru 1CA3418
75A DIESEL - 10223D thru 12183D, 1CB893 thru 1CB968
75B - 6201 thru 6270
75R - 7155 thru 7183

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various components like CONVERTER ASSY, GEAR, BOLT, WASHER, SPRING, etc., with their respective part numbers and quantities.

†Not Illustrated

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



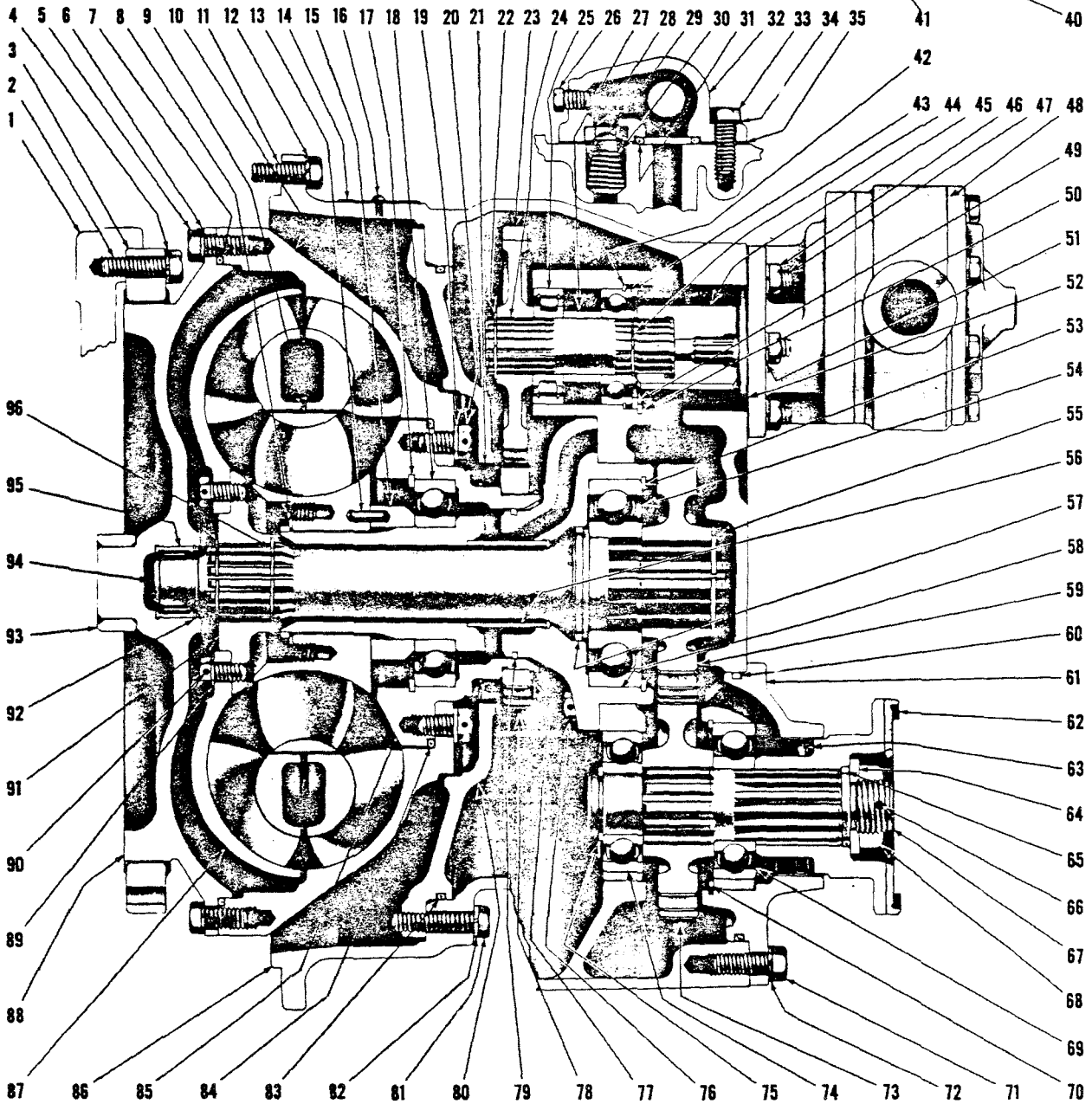
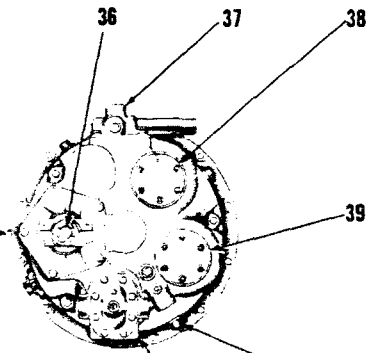
TORQUE CONVERTER ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
61	209869	TUBE, Oil Cross Over	1	92	-----	CONVERTER PUMP — See Index	1
62	25K-30018	"O" RING, Oil Cross Over Tube	1	93	551906	GASKET, Pump to Converter	1
63	221082	GEAR, Oil Pump Driven	1	94	743458	BEARING, Drive Gear Hub	1
64	221072	COVER, Converter Housing	1	95	207647	STUD, Pump to Converter	6
65	860668	BEARING, Driven Gear Hub	1	96	223981	RING, Hub Bearing Retaining	1
66	223981	RING, Hub Bearing Retaining	1	97	860668	BEARING, Driven Gear Hub	1
67	223863	RING, Hub Bearing Retaining	1	98	1C-720	BOLT, Cover to Housing	12
68	221084	HOSE, Pump to Valve	1	99	4E-07	LKWSHR, Cover to Housing	12
69	220978	GASKET, Valve to Converter	1	100	209294	"O" RING, Cover to Housing	1
70	58K-210	"O" RING, Valve to Converter	1	101	221080	GEAR, Pump Drive (46T)	1
71	660178	PIN, Piston Stop Retaining	1	102	221082	GEAR, Pump Driven (43T)	1
72	220981	SPRING, Regulator Valve—Outer	1	103	220987	HUB, Pump Driven Gear	1
73	220983	STOP, Regulator Valve	1	104	860668	BEARING, Driven Gear Hub	1
74	25K-30018	"O" RING, Valve Stop	1	105	223981	RING, Hub Bearing Retaining	1
75	220982	SPRING, Regulator Valve—Inner	1	106	221081	HUB, Pump Drive Gear	1
76	801067	VALVE ASSY, Pressure Regulator (Inc. 69 thru 75, 79 thru 82)	1	107	675544	CUP, Output Shaft Bearing	1
77	1C-820	BOLT, Valve to Converter—Short	2	107A	675547	CONE, Output Shaft Bearing	1
77A	1C-840	BOLT, Valve to Converter—Long	1	108	209334	SHAFT, Output	1
78	4E-08	LKWSHR, Valve to Converter	3	109	675544	CUP, Output Shaft Bearing	1
79	660178	PIN, Piston Stop Retaining	1	109A	675547	CONE, Output Shaft Bearing	1
80	-----	§PISTON, Valve — See 76	1	110	221075	WASHER, Main Drive Gear Nut	1
81	220983	STOP, Regulator Valve	1	111		RING, M. D. Gear Bearing Locating	
82	25K-30018	"O" RING, Valve Stop	1	111A	223947	‡RING — .088 to .090	—
83	221076	CAP, Output Shaft Bearing	1	111B	223948	‡RING — .091 to .093	—
84	206864	SEAL, Output Shaft Oil	1	111C	223949	‡RING — .094 to .096	—
85	100949	DEFLECTOR, Output Flange	1	111D	223950	‡RING — .097 to .099	—
86	209343	FLANGE ASSY, Output (Inc. 85)	1	112	224043	†RING, M. D. Gear Bearing Retaining	1
87	201951	NUT, Output Shaft Flange	1	113	220979	†DOWEL, Cover to Housing	1
88	1F-432	COTTER, Flange Nut	1	114	221083	†SPACER, Drive Gear Bearing	1
89	1C-720	BOLT, Bearing Cap	4	115	659041	†RING, Oil Pump Shaft Retaining	1
90	4E-07	LKWSHR, Bearing Cap	4	116	89F-7	†CONNECTOR, Hydraulic Tube	1
91		SHIM, Output Shaft Bearing Cap		117	800880	HOUSING & COVER ASSY (Inc. 22, 29, 64, 98, 99, 100, 113)	1
91A	221077	‡SHIM — .004"	—	118	800881	MEMBER & RACE ASSY (Inc. 10, 37, 38, 39)	1
91B	221078	‡SHIM — .007"	—				
91C	221079	‡SHIM — .010"	—				

§Not Sold Separately
 †Not Illustrated
 ‡As Required

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

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY - 75A

TS-1566-P



TORQUE CONVERTER ASSEMBLY - 75A

For Serial: GAS-1CA3419 and thereafter; DIESEL-1CB969 and thereafter

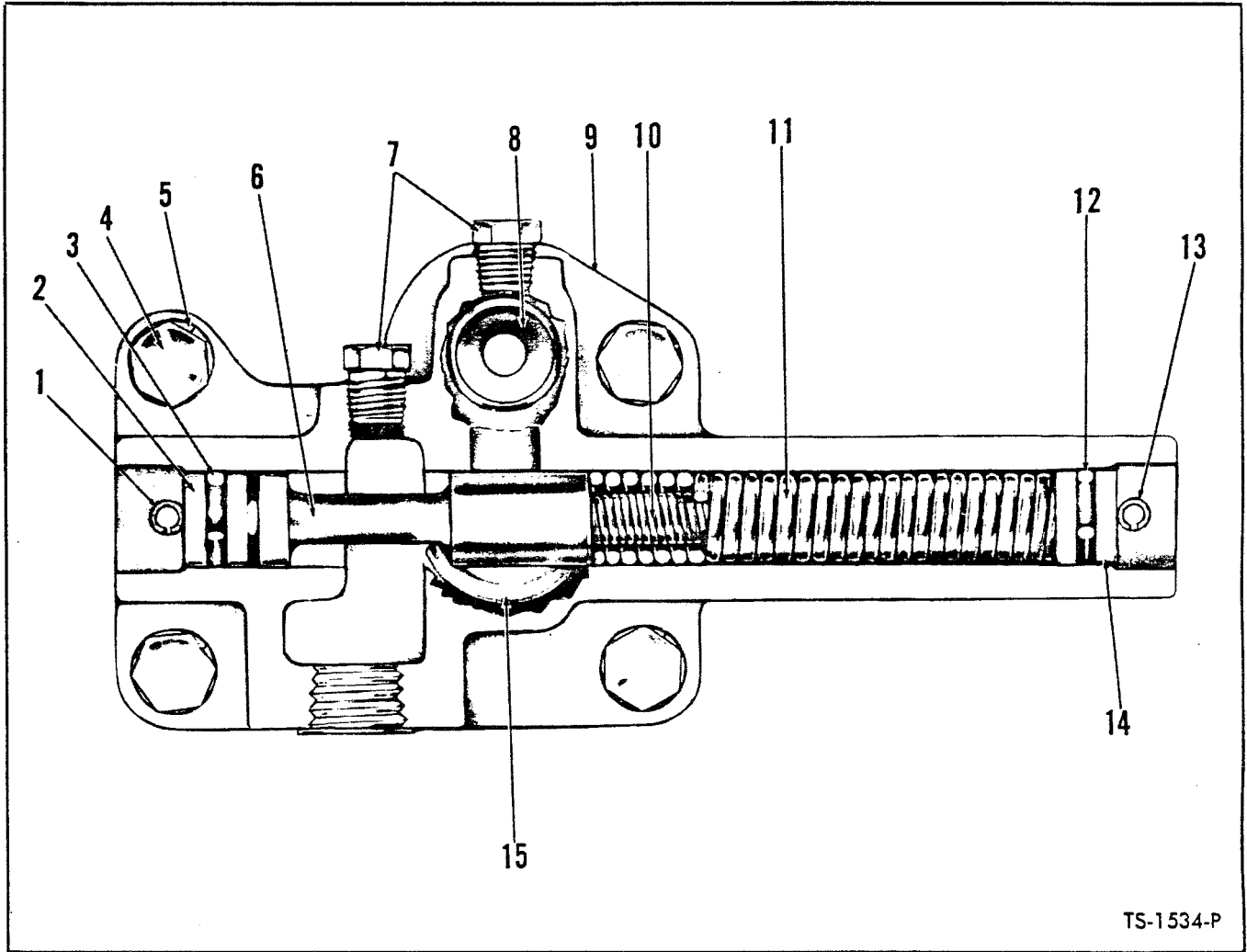
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various components like CONVERTER ASSY, FLYWHEEL, BOLT, GEAR, WASHER, etc., with their respective quantities.

§ Not Sold Separately † Not Illustrated

*NOTE: For replacement use 801780 Kit which consists of 1-233215 Bag & Tag Assy. consisting of: 1-233216 Bag & Tag, 16-233092 Self Locking Screw, 16-215909 Washer, 1-233089 Flywheel Coupling Gear, 1-28H-18990 Lockwire, 1-801806 Instruction Drawing.

**NOTE: For replacement use 801524 Kit, which consists of 1-234503 Cover & 1-222006 Bushing.

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



TS-1534-P

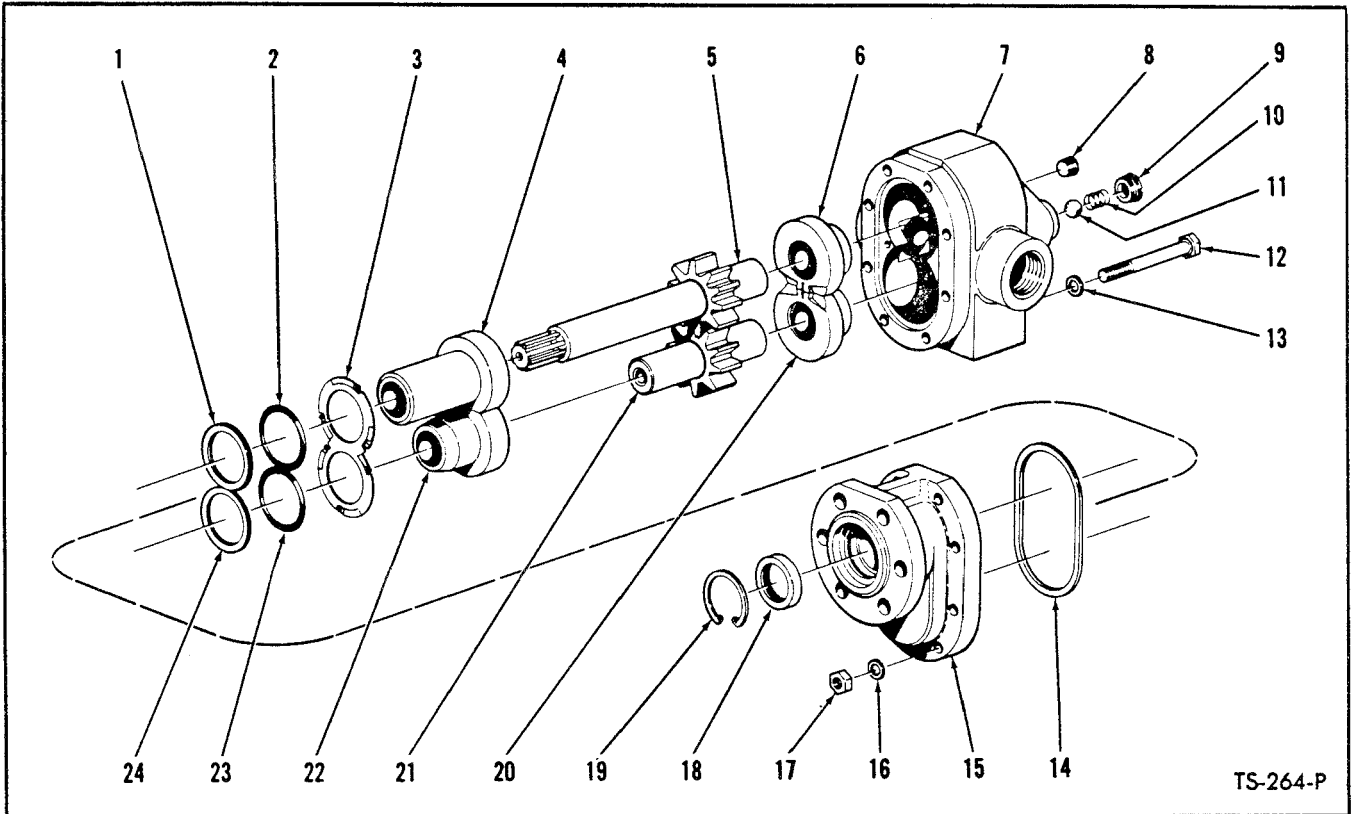
PRESSURE REGULATOR VALVE ASSEMBLY

For Serial: GAS-1CA3419 and thereafter; DIESEL-1CB969 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	801548	VALVE ASSY, Pressure Regulator (Inc. 1 thru 3, 6, 8 thru 16)	1	9	---	§ BODY, Valve (See Item 16)	—
1	660178	PIN, Piston Stop	1	10	220981	SPRING, Valve - Inner	1
2	220983	STOP, Piston	1	11	220982	SPRING, Valve - Outer	1
3	25K-30018	"O" RING, Piston Stop	1	12	25K-30018	"O" RING, Piston Stop	1
4	1C-616	BOLT, Valve to Converter	4	13	660178	PIN, Piston Stop	1
5	4E-06	LKWSHR, Valve to Converter	4	14	220983	STOP, Piston	1
6	---	§PISTON, Valve (See Item 16)	—	15	25K-40104	"O" RING, Valve to Converter	1
7	40K-02	PLUG, Valve Housing Pipe	2	16	214949	†GASKET, Valve to Housing	1
8	214946	SEAT, Safety Valve	1				

†Not Illustrated
§Not Sold Separately

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



TS-264-P

HYDRAULIC PUMP – CONVERTER CHARGING – WAUKESHA

For Serial: 75A GAS – 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 thru 1CA3243, 1CA3245, 1CA3247, 1CA3253, 1CA3257, 1CA3260, 1CA3270, 1CA3276, 1CA3282, 1CA3305, 1CA3311, 1CA3330, 1CA3332, 1CA3336, thru 1CA3343, 1CA3345 thru 1CA3385

75A DIESEL – 10223D thru 12183D, 1CB893 thru 1CB921, 1CB923, 1CB924, 1CB930, 1CB932, 1CB936, 1CB937

75B – 6201 thru 6270

75R – 7155 thru 7183

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	551906	†GASKET, Pump to Converter	1
				26	8D-06	†NUT, Pump to Converter	6
				27	4E-06	†LKWSHR, Pump to Converter	6

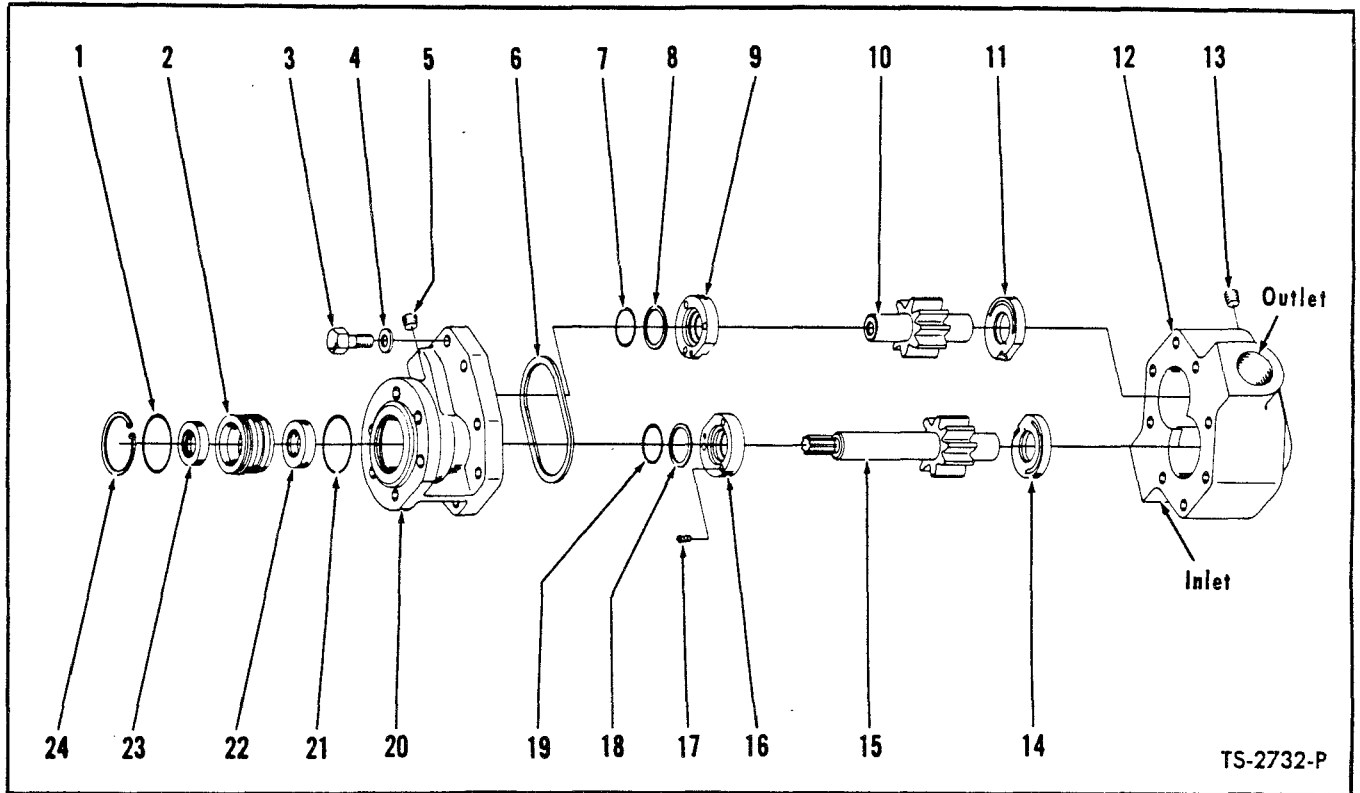
*NOTE: When complete Pump Assembly is replaced use 450072 Pump Assembly.

†Not Illustrated

§Not Sold Separately

**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 — WAUKESHA

For Serial: 75A GAS — 1CA3244, 1CA3246, 1CA3248 thru 1CA3252, 1CA3254, 1CA3255, 1CA3256, 1CA3258, 1CA3259, 1CA3261 thru 1CA3269, 1CA3271 thru 1CA3275, 1CA3277 thru 1CA3281, 1CA3283 thru 1CA3304, 1CA3306 thru 1CA3310, 1CA3312 thru 1CA3329, 1CA3331, 1CA3333, 1CA3334, 1CA3335, 1CA3344, 1CA3386

75A DIESEL — 1CB922, 1CB925 thru 1CB929, 1CB931, 1CB933, 1CB934, 1CB935, 1CB938.

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	551906	†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 450072 Pump.

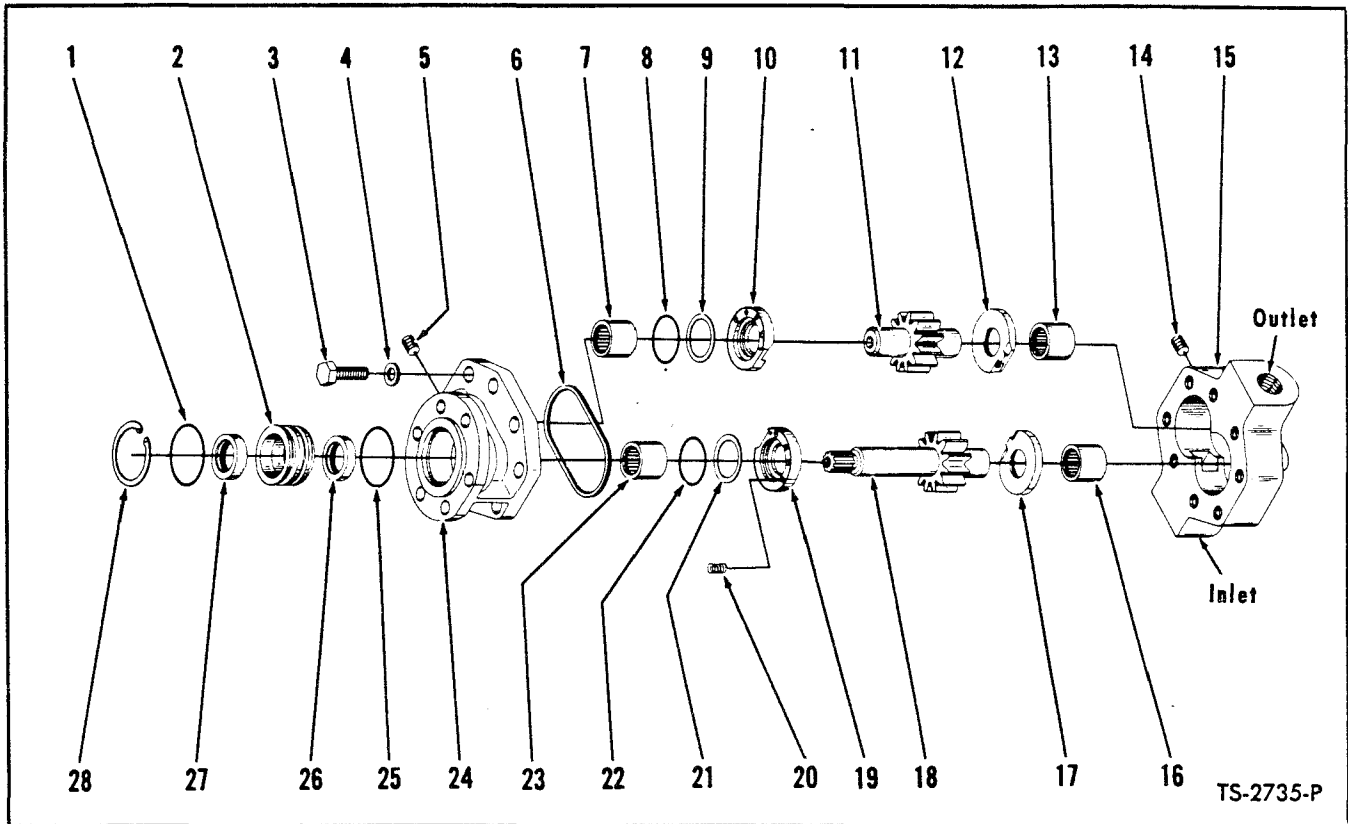
**NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

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 – WAUKESHA

For Serial: 75A GAS – 1CA3305, 1CA3311, 1CA3330, 1CA3332, 1CA3336 thru 1CA3343, 1CA3345 thru 1CA3385, 1CA3387 and thereafter

75A DIESEL – 1CB924, 1CB930, 1CB932, 1CB936, 1CB937, 1CB939 and thereafter

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	†SLEEVE, Pump Drive	1	
				30	551906 †GASKET, Pump to Converter	1	
				31	8D-06 †NUT, Pump to Converter	6	
				32	4E-06 †LKWSHR, Pump to Converter	6	

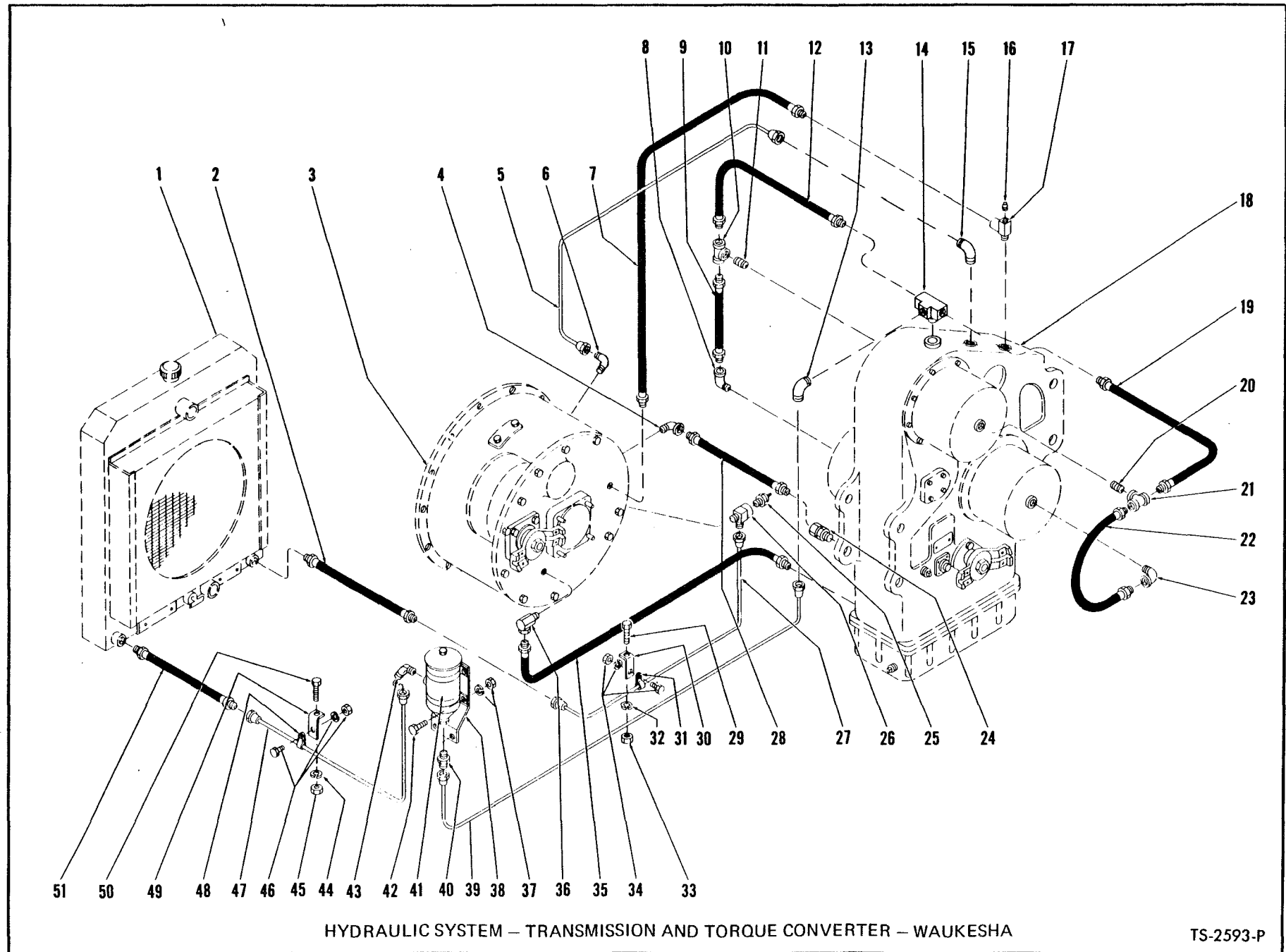
*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**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

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



70

PM 2726

HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER – WAUKESHA

TS-2593-P

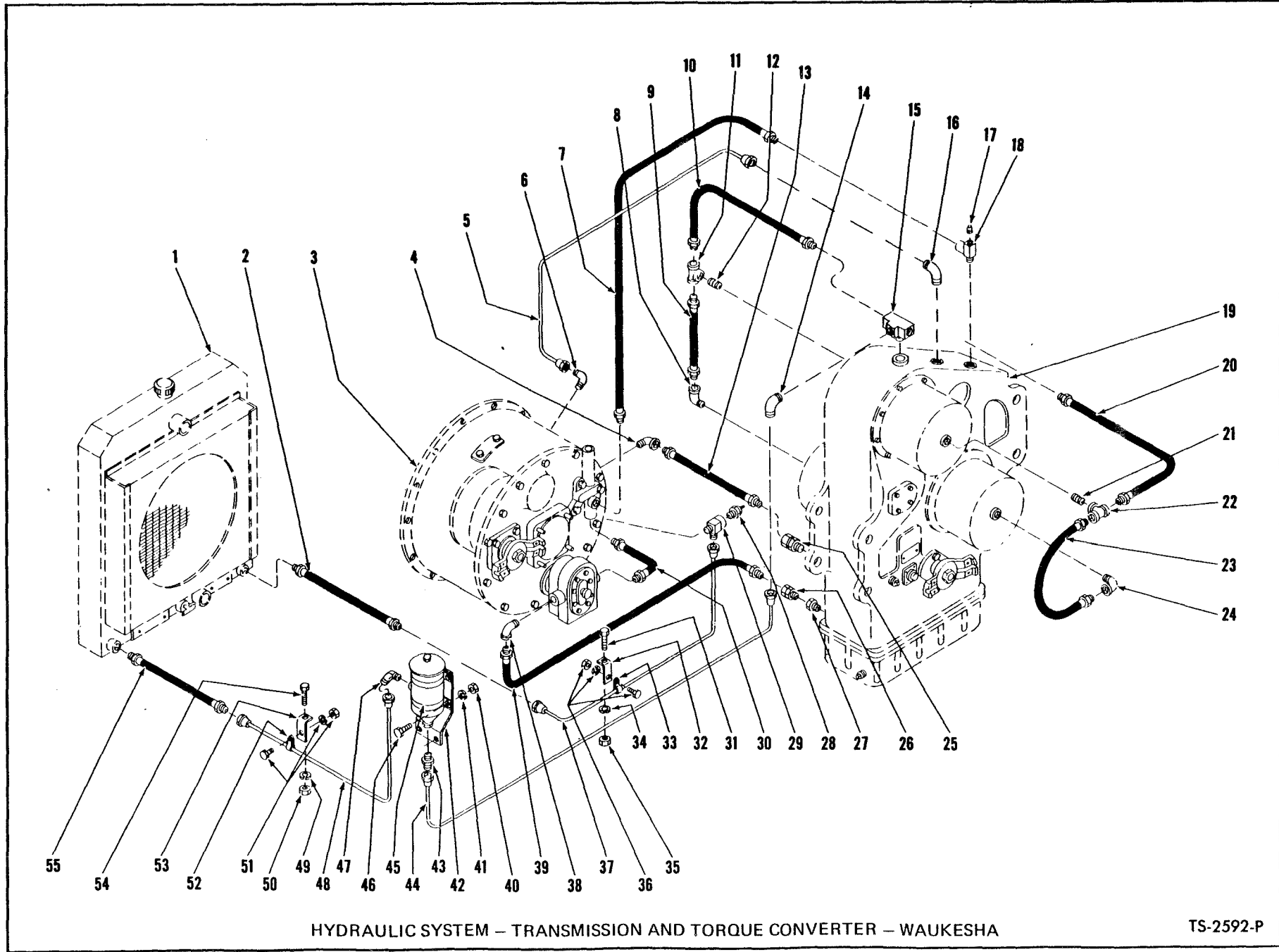
HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — WAUKESHA

For Serial: 75A — 8123 thru 10222, 10240 and 10247 thru 10251
 75B — 6123 thru 6200
 75R — 7123 thru 7154

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR — (See Index)	—	33	2D-06	NUT, Bracket to Frame	1
2	528295	HOSE, Cooler Line to Radiator	1	34	2C-612	BOLT, Clip to Bracket	1
3	-----	TORQUE CONVERTER — (See Index) ..	—	34A	2D-06	NUT, Clip to Bracket	1
4	26F-5	ELBOW, Hose to Converter	1	34B	4E-06	LKWSHR, Clip to Bracket	1
5	551873	LINE, Overflow	1	35		HOSE, Trans. to Conv. — Suction	
6	83F-6	ELBOW, Line to Converter	1	35A	550873	For Units with ½" Pipe Tap	1
7	712750	HOSE, Converter to Transmission	1	35B	553324	For Units with ¾" Pipe Tap	1
8	26F-2	ELBOW, Hose to Clutch Cover	1	36		ADAPTER UNION	
9	550874	HOSE, 1st & 3rd to Reverse Clutch	1	36A	31F-4	For Units with ½" Pipe Tap	1
10	18F-2	TEE, 1st & 3rd Clutch	1	36B	31F-5	For Units with ¾" Pipe Tap	1
11	5K-207	NIPPLE, Tee to Clutch Cover	1	37	2D-05	NUT, Filter to Bracket	4
12	550876	HOSE, Cross to 1st & 3rd Clutch	1	37A	4E-05	LKWSHR, Filter to Bracket	4
13	83F-7	ELBOW, Cooler Line to Cross	1	38	552473	BRACKET, Filter	1
14	550866	CROSS, Transmission Clutches	1	39		LINE, Cooler Return	
15	83F-6	ELBOW, Overflow Line to Transmission	1	39A	552291	For Machines Equipped with Filter	1
16	13F-04	PLUG, Tee	1	39B	551872	For Machines Not Equipped with Filter	1
17	30F-1	TEE, Hose to Transmission	1	40	89F-7	CONNECTOR, Line to Filter	1
18	-----	TRANSMISSION — (See Index)	—	41	552470	FILTER, Conv. & Trans. Oil (Inc. 41A) ..	1
19	550758	HOSE, Cross to Forward Clutch	1	41A	957577	†CARTRIDGE KIT, Oil Filter	1
20	5K-207	NIPPLE, Tee to Clutch Cover	1	42	2C-514	BOLT, Filter to Bracket	4
21	18F-2	TEE, Forward Clutch	1	43	84F-7	ELBOW, Line to Filter	1
22	550758	HOSE, Forward to 2nd & 4th Clutch ..	1	44	4E-06	LKWSHR, Bracket to Frame	1
23	26F-2	ELBOW, Hose to Clutch Cover	1	45	2D-06	NUT, Bracket to Frame	1
24	36F-5	ADAPTER UNION	1	46	2C-612	BOLT, Clip to Bracket	1
25	551323	SENDER UNIT, Converter Temperature	1	46A	2D-06	NUT, Clip to Bracket	1
26	551896	TEE, Cooler Line to Converter	1	46B	4E-06	LKWSHR, Clip to Bracket	1
27		LINE, Cooler		47	552474	LINE, Cooler — Radiator to Filter	1
27A	552290	For Machines Equipped with Filter	1	48	6H-16	CLIP, Cooler Line	1
27B	551876	For Machines Not Equipped with Filter	1	49	551996	BRACKET, Cooler Line Clip	1
28	550724	HOSE, Converter Drain	1	50	2C-620	BOLT, Bracket to Frame	1
29	2C-620	BOLT, Bracket to Frame	1	51	528295	HOSE, Radiator to Cooler Line	1
30	551996	BRACKET, Cooler Line Clip	1				
31	6H-16	CLIP, Cooler Line	1				
32	4E-06	LKWSHR, Bracket to Frame	1				

†Not Illustrated

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



HYDRAULIC SYSTEM - TRANSMISSION AND TORQUE CONVERTER - WAUKESHA

TS-2592-P



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — WAUKESHA

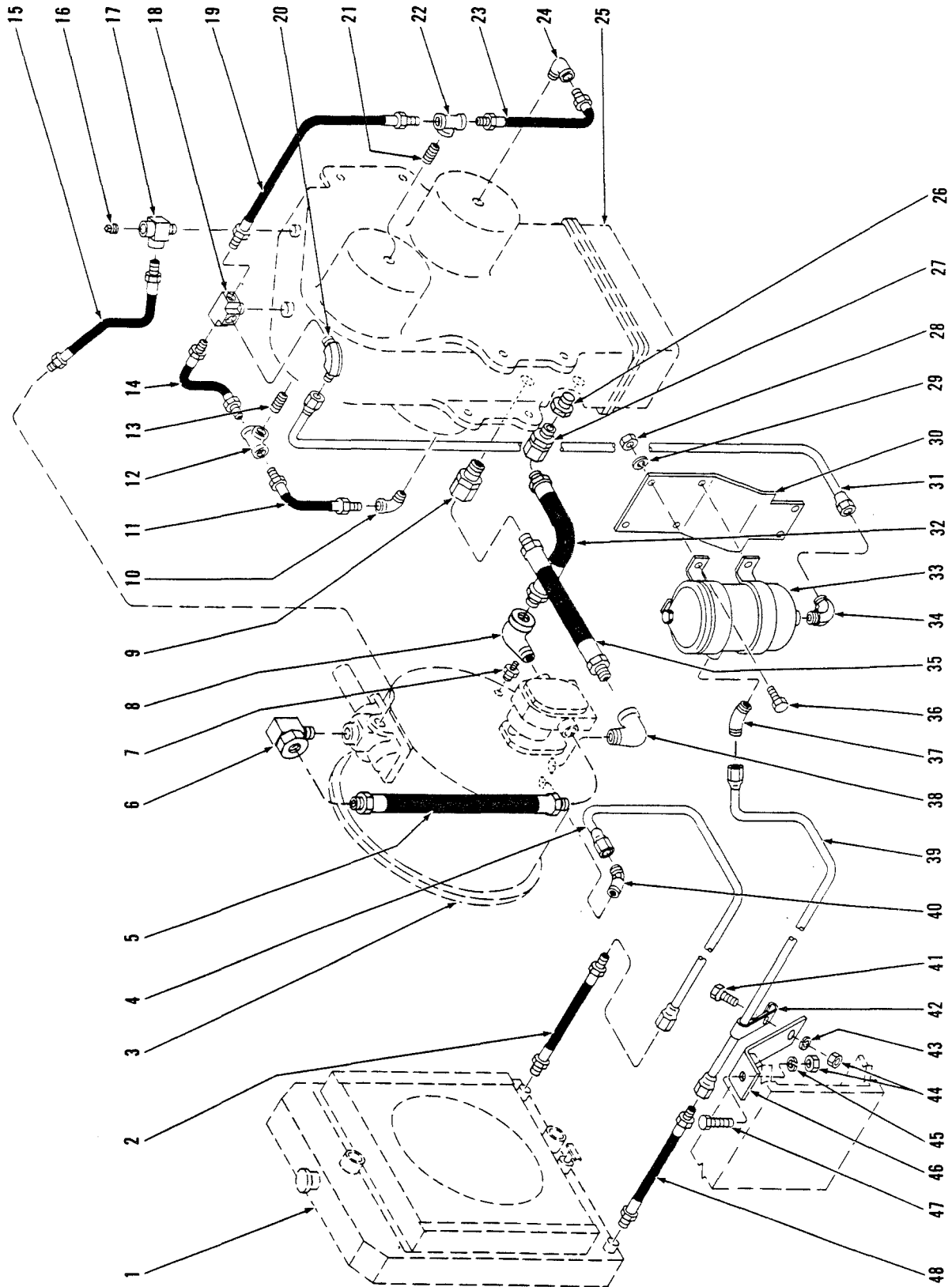
For Serial: 75A GAS — 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 thru 1CA3418
75A DIESEL — 10223D thru 12183D, 1CB893 thru 1CB968
75B — 6201 thru 6270
75R — 7155 thru 7183

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various hydraulic components like radiators, hoses, elbows, and filters with their respective part numbers and quantities.

†Not Illustrated

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

TS-2431-P



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — WAUKESHA



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — WAUKESHA

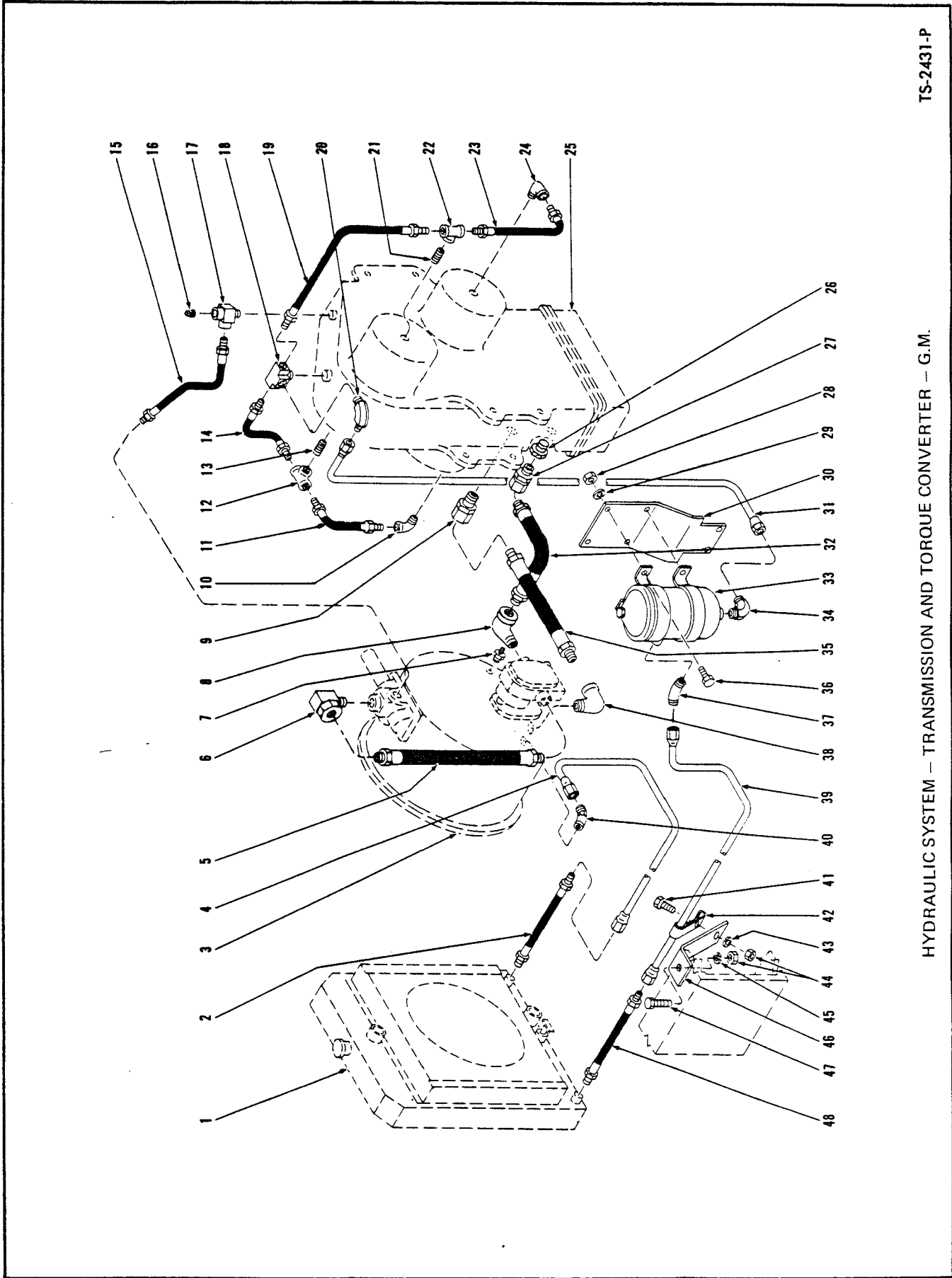
For Serial: 75A GAS — 1CA3419 and thereafter

75A DIESEL — 1CB969 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	————	RADIATOR — (See Index)	—	22	18F-2	TEE, Forward Clutch	1
2	536048	HOSE, Cooler Line to Radiator	1	23	550758	HOSE, Forward to 2nd & 4th Clutch ...	1
3	————	TORQUE CONVERTER — (See Index)	—	24	26F-2	ELBOW, Hose to Clutch Cover	1
4	531401	COOLER LINE, Converter to Radiator	1	25	————	TRANSMISSION — (See Index)	—
5	645432	HOSE, Pump to Regulator Valve	1	26	356626	BUSHING, Transmission Reducing	1
6	553843	ADAPTER UNION	1	27	36F-6	ADAPTER UNION	1
7	551323	SENDER UNIT, Converter Temperature	1	28	2D-05	NUT, Filter to Bracket	4
8	26F-6	ELBOW, Hose to Pump	1	29	4E-05	LKWSHR, Filter to Bracket	4
9		ADAPTER UNION		30	552473	BRACKET, Filter Attaching	1
9A	36F-5	For Serial: GAS — 1CA3419 thru 1CA3501 DIESEL — 1CB969 thru 1CB1013	1	31	514614	COOLER LINE, Filter to Transmission..	1
9B	36F-6	For Serial: GAS — 1CA3502 & thereafter DIESEL — 1CB1014 & thereafter	1	32	531006	HOSE, Converter Suction	1
10	26F-2	ELBOW, Hose to Clutch Cover	1	33	552470	FILTER ASSY, Trans. & Conv. Oil (Inc. 33A)	1
11	550874	HOSE, 1st & 3rd to Reverse Clutch	1	33A	957577	†CARTRIDGE KIT, Oil Filter	1
12	18F-2	TEE, 1st & 3rd Clutch	1	34	89F-7	CONNECTOR, Cooler Line to Filter	1
13	5K-207	NIPPLE, Tee to Clutch Cover	1	35	536367	*HOSE, Converter Overflow	1
14	550876	HOSE, Cross to 1st & 3rd Clutch	1	36	2C-514	BOLT, Filter to Bracket	1
15	527550	HOSE, Converter to Tee	1	37	531400	ELBOW, Cooler Line to Filter	1
16	13F-04	PLUG, Tee	1	38	26F-6	ELBOW, Hose to Converter	1
17	30F-1	TEE, Hose to Transmission	1	39	531402	COOLER LINE, Radiator to Filter	1
18	550866	CROSS, Transmission Clutches	1	40	83F-8	ELBOW, Cooler Line to Converter	1
19	550758	HOSE, Cross to Forward Clutch	1	41	2C-612	BOLT, Clip to Bracket	2
20	83F-7	ELBOW, Cooler Line to Cross	1	42	6H-18	CLIP, Cooler Line	2
21	5K-207	NIPPLE, Tee to Clutch Cover	1	43	4E-06	LKWSHR, Clip to Bracket	2
				44	2D-06	NUT	4
				45	4E-06	LKWSHR, Bracket to Frame	2
				46	551996	BRACKET, Cooler Line Clip	2
				47	2C-620	BOLT, Bracket to Frame	2
				48	536048	HOSE, Radiator to Cooler Line	1

*NOTE: When 536367 Hose is installed in Serial GAS — 1CA3419 thru 1CA3501 and DIESEL — 1CB969 thru 1CB1013, One (1) 36F-6 Adapter Union must be used at transmission end. Reducing Bushing in Transmission is to be discarded.
†Not Illustrated

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



TS-2431-P

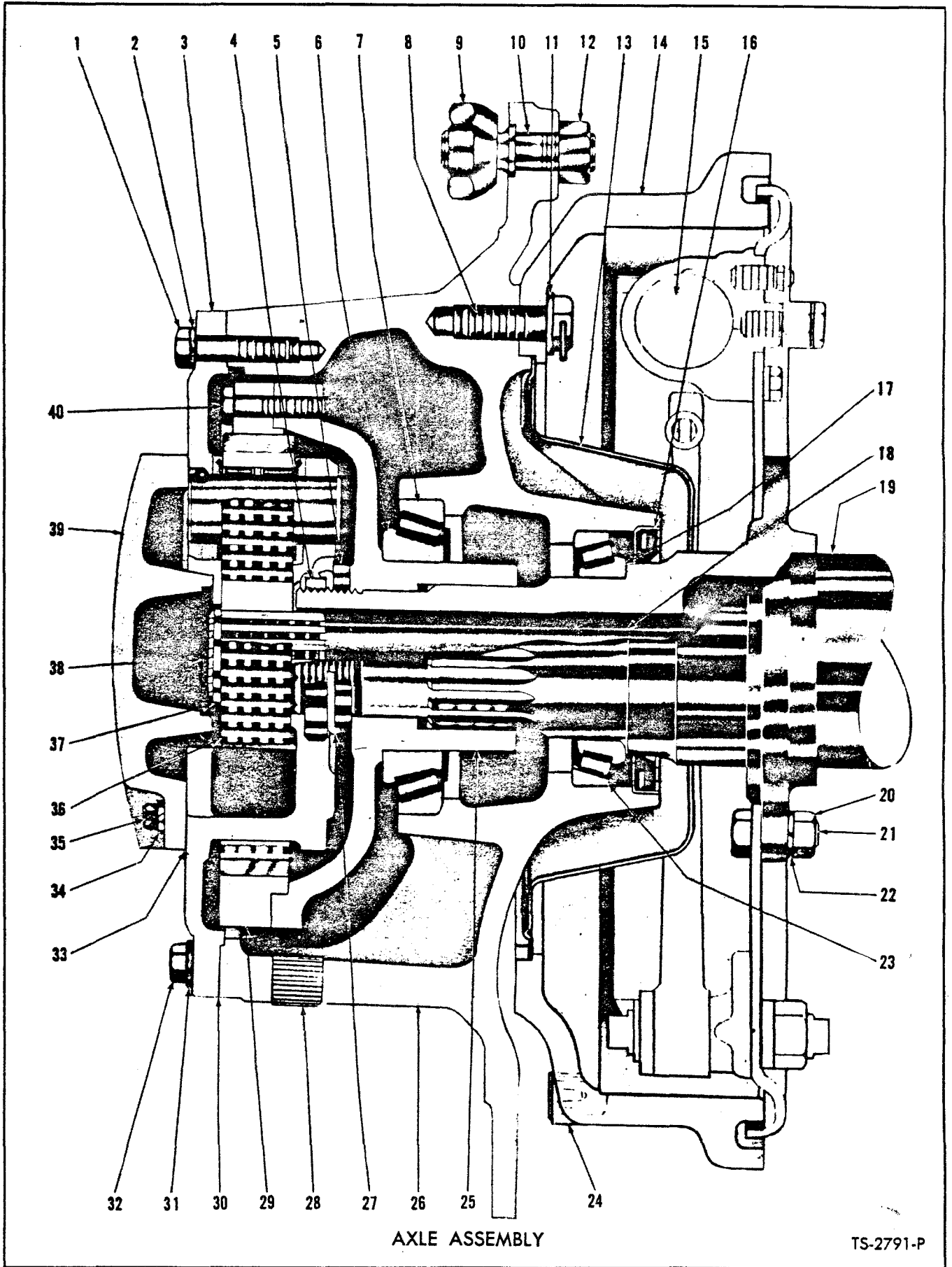
HYDRAULIC SYSTEM - TRANSMISSION AND TORQUE CONVERTER - G.M.

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR — (See Index).....	—	27	36F-6	ADAPTER UNION	1
2	536048	HOSE, Cooler Line to Radiator	1	28	2D-05	NUT, Filter to Bracket	4
3	-----	TORQUE CONVERTER (See Index)....	—	29	4E-05	LKWSHR, Filter to Bracket	4
4	531676	COOLER LINE, Converter to Radiator	1	30	531168	BRACKET, Filter Attaching	1
5	691800	HOSE, Pump to Regulator Valve	1	30A	2C-620	BOLT, Bracket to Frame	2
6	36F-5	ADAPTER UNION	1	30B	2D-06	NUT, Bracket to Frame	2
7	551323	SENDER UNIT, Converter Temperature	1	30C	4E-06	LKWSHR, Bracket to Frame	2
8	26F-6	ELBOW, Hose to Pump	1	31	529874	COOLER LINE, Filter to Transmission..	1
9	36F-6	ADAPTER UNION	1	32	656132	HOSE, Converter Suction	1
10	26F-2	ELBOW, Hose to Clutch Cover	1	33	552470	FILTER ASSY, Trans. & Conv. Oil (Inc. 33A)	1
11	550874	HOSE, 1st & 3rd to Reverse Clutch	1	33A	957577	†CARTRIDGE KIT, Oil Filter	1
12	18F-2	TEE, 1st & 3rd Clutch	1	34	83F-7	CONNECTOR, Cooler Line to Filter	1
13	5K-207	NIPPLE, Tee to Clutch Cover	1	35	539106	HOSE, Converter Overflow	1
14	550876	HOSE, Cross to 1st & 3rd Clutch	1	36	2C-514	BOLT, Filter to Bracket	4
15	531167	HOSE, Converter to Tee	1	37	730149	ELBOW, Cooler Line to Filter	1
16	13F-04	PLUG, Tee	1	38	26F-6	ELBOW, Hose to Converter	1
17	30F-1	TEE, Hose to Transmission	1	39	531677	COOLER LINE, Radiator to Filter	1
18	550866	CROSS, Transmission Clutches	1	40	89F-8	ELBOW, Cooler Line to Converter	1
19	550758	HOSE, Cross to Forward Clutch	1	41	2C-612	BOLT, Clip to Bracket	2
20	-----	Not Applicable this Model	—	42	6H-18	CLIP, Cooler Line	2
21	5K-207	NIPPLE, Tee to Clutch Cover	1	43	4E-06	LKWSHR, Clip to Bracket	2
22	18F-2	TEE, Forward Clutch	1	44	2D-06	NUT	4
23	550758	HOSE, Forward to 2nd & 4th Clutch..	1	45	4E-06	LKWSHR, Bracket to Frame	2
24	26F-2	ELBOW, Hose to Clutch Cover	1	46	551996	BRACKET, Cooler Line Clip	2
25	-----	TRANSMISSION — (See Index).....	—	47	2C-620	BOLT, Bracket to Frame.....	2
26	356626	BUSHING, Transmission Reducing	1	48	536048	HOSE, Radiator to Cooler Line	1

†Not Illustrated

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



AXLE ASSEMBLY

TS-2791-P



CONSTRUCTION MACHINERY DIVISION

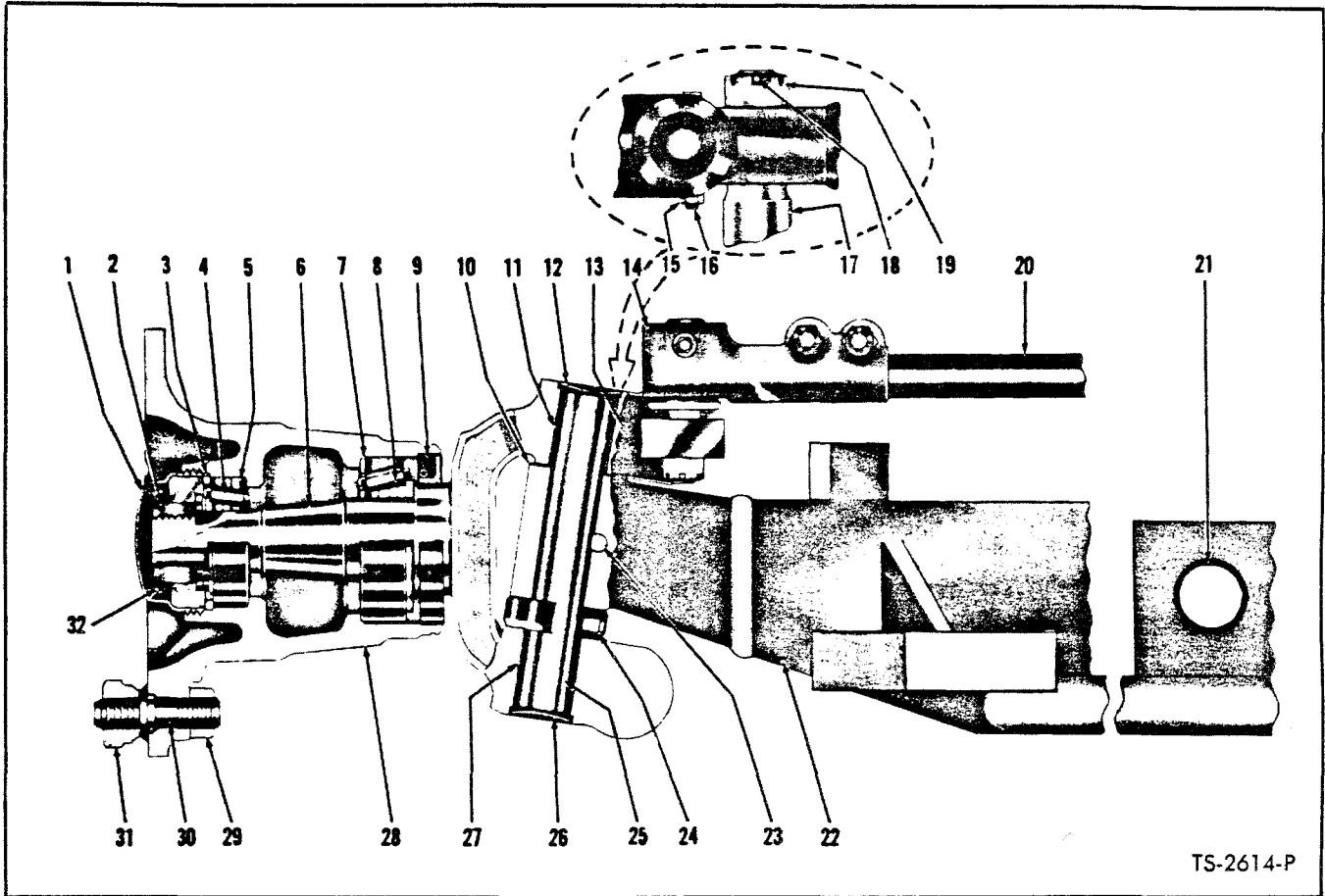


AXLE ASSEMBLY
75A and 75B - Front Drive
75R - Rear Drive

Table with 4 columns: Item No., Part No., Description, No. Req'd. Lists various axle assembly components like bolts, washers, planet spider, nuts, cones, cups, drums, shafts, housings, gears, and differential/cARRIER assy.

†Not Illustrated

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



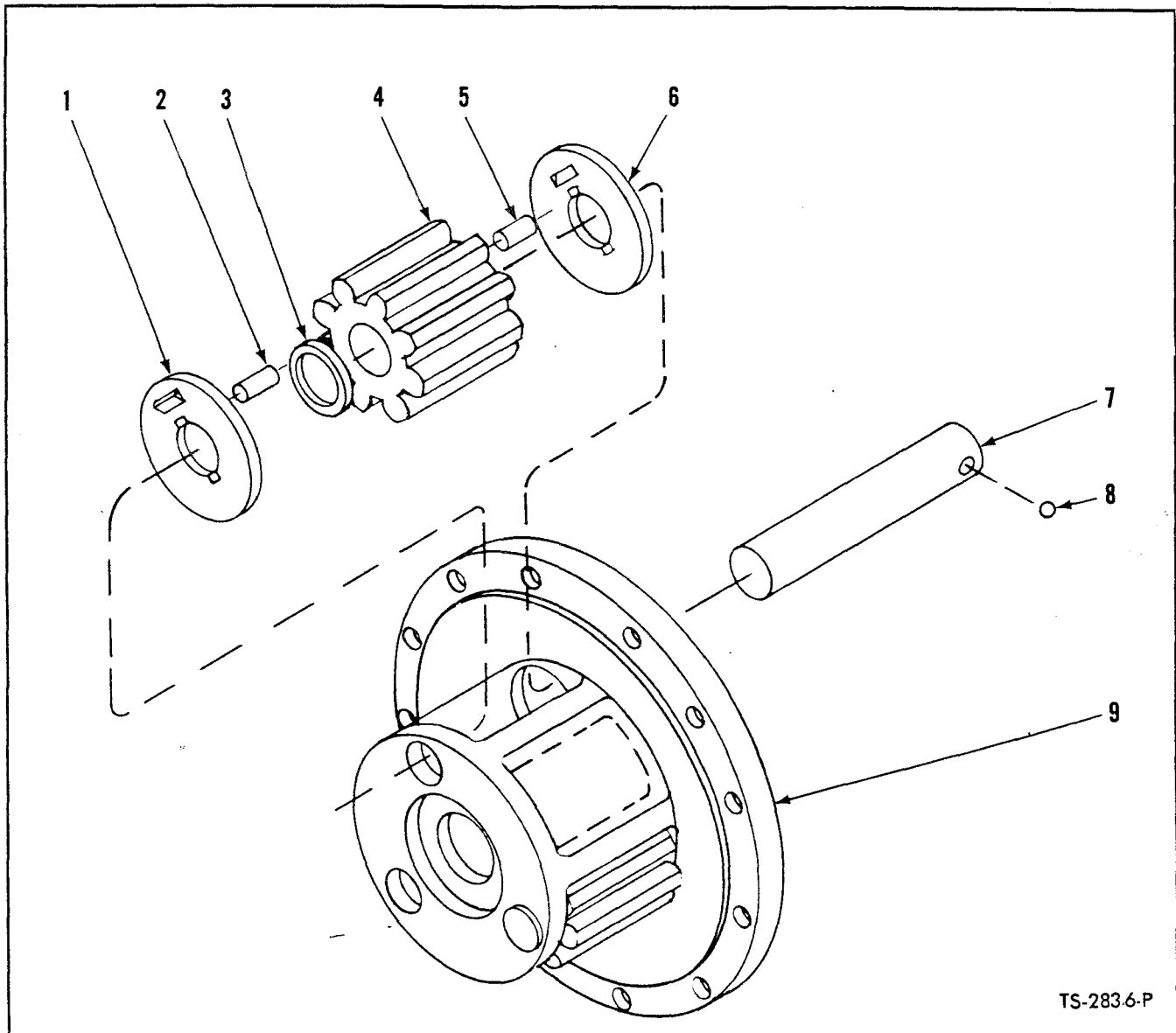
TS-2614-P

AXLE ASSEMBLY – FRONT STEERING – MODEL 75R

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130148	AXLE ASSY (Inc. 1 thru 32)	1	17	—	ARM, Tie Rod	
1	102159	CAP, Hub Grease	2	17A	106163	Right Hand	1
2	4D-20	NUT, Hub Bearing	2	17B	106164	Left Hand	1
3	102251	WASHER, Hub Bearing	2	18	1F-628	COTTER, Tie Rod Arm Nut	2
4	675240	CONE, Outer Hub Bearing	2	19	4D-16	NUT, Tie Rod Arm	2
5	672569	CUP, Outer Hub Bearing	2	20	106144	TIE ROD	1
6		KNUCKLE ASSY, Steering (Inc. 11, 27)		21	550066	BUSHING, Axle Housing	2
6A	106139	Right Hand	1	22	106149	HOUSING ASSY, Axle (Inc. 21)	1
6B	106140	Left Hand	1	23	—	DRAW KEY — (See Item 16)	—
7	675304	CUP, Inner Hub Bearing	2	24	672194	BEARING, Knuckle Thrust	2
8	667348	CONE, Inner Hub Bearing	2	25	106162	PIN, Knuckle	2
9	102157	SEAL, Hub Oil	2	26	12F-110	PLUG, Knuckle Expansion	2
10	102252	‡SHIM, Steering Knuckle	—	27	102225	BUSHING, Steering Knuckle	2
11	102225	BUSHING, Steering Knuckle	2	28	106158	HUB ASSY (Inc. 5, 7, 29, 30, 31)	2
12	12F-110	PLUG, Knuckle Expansion	2	29	121062	NUT, Wheel Stud	12
13	7J-3108	KEY, Tie Rod Arm	2	30	103445	STUD, Wheel	12
14	—	TIE ROD END ASSY — (See Index)	—	31	103522	NUT, Wheel	12
15	2D-06	NUT, Draw Key	2	32	1F-632	COTTER, Hub Bearing Nut	2
15A	4E-06	†LKWSHR, Draw Key	2				
16	102250	KEY, Knuckle Draw	2				

†Not Illustrated
‡As Required

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



TS-283.6-P

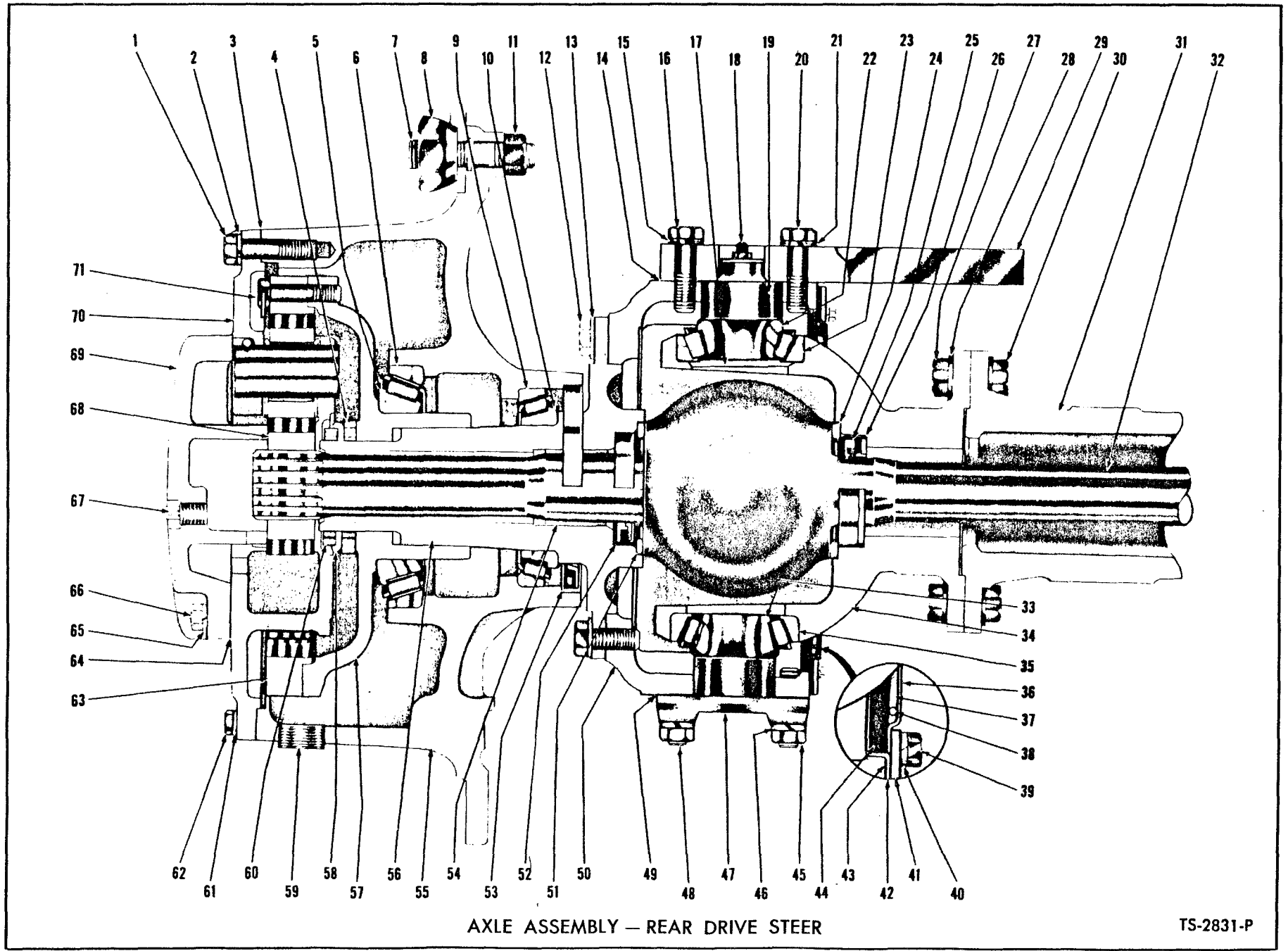
PLANET SPIDER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	106346	*SPIDER ASSY, Planet (Inc. 1 thru 8) (See Note "A")	4
Quantities listed below are for 1 Planet Spider.			
1	106350	WASHER, Pinion Thrust	3
2	106351	ROLLER, Pinion	87
3	106352	SPACER, Pinion Roller	3
4	109088	PINION, Planet	3
5	106351	ROLLER, Pinion	87
6	106350	WASHER, Pinion Thrust	3
7	106349	SHAFT, Pinion	3
8	10J-12	BALL, Pinion Shaft	3
9	945609	SPIDER, Planet	1

*NOTE: Model 75A requires 4 Planet Spider Assemblies. Models 75B and 75R require only 2.

NOTE "A" - For complete replacement of 106346 use 945608 Planet Spider Kit. 945608 also includes 5 - 112287 Dowels, 5 - 116419 Studs and 5 - 64D-08 Nuts to replace the existing 5 Bolts Holding Planet Spider to the Hub.

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



82

PM 2726

AXLE ASSEMBLY — REAR DRIVE STEER

TS-2831-P



CONSTRUCTION MACHINERY DIVISION



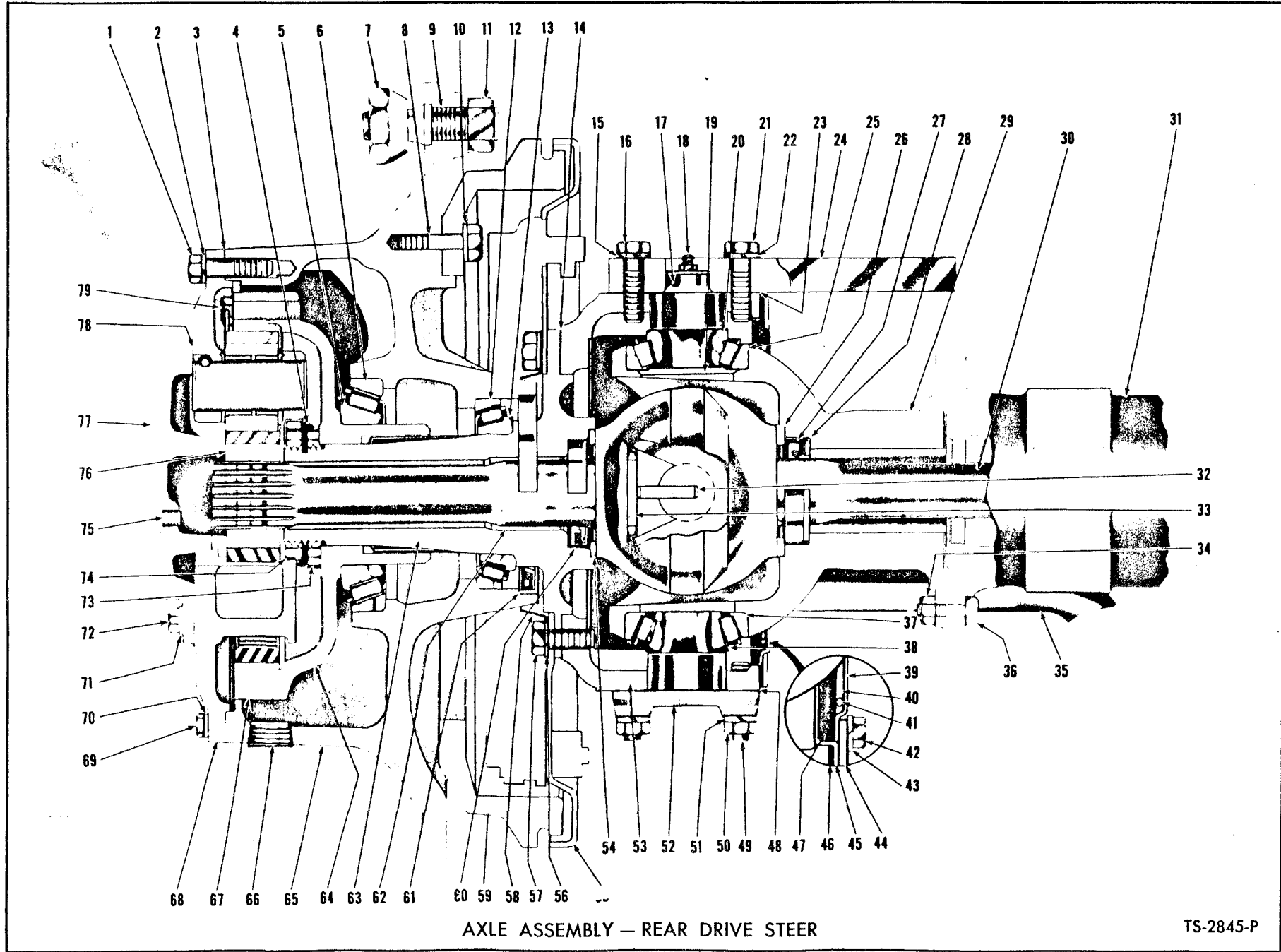
AXLE ASSEMBLY — REAR DRIVE STEER — MODEL 75A

For Serial 8123 thru 8609

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130048	AXLE ASSY (Inc. 1 thru 73)	1	37	106133	SEAL, Outer End Dust	2
1	100970	BOLT, Planet Spider to Hub	20	38	106134	SPRING, Outer End Dust Seal	2
2	106762	WASHER, Planet Spider to Hub	20	39	1C-612	BOLT, Seal Retainer	24
3	-----	OMIT GASKET—Use Perma-Tex No. 2	—	40	4E-06	LKWSHR, Seal Retainer	24
4	114463	NUT, Inner Spindle	2	41	106136	RETAINER, Outer End Seal	4
5	675256	CONE, Outer Hub Bearing	2	42	106130	RETAINER, Outer End Oil Seal	2
6	675255	CUP, Outer Hub Bearing	2	43	106131	GASKET, Oil Seal Retainer	2
7	103445	STUD, Wheel	20	44	106132	SEAL, Outer End Oil	2
8	103522	NUT, Wheel	20	45	2D-09	NUT, Flanged Trunnion	12
9	675252	CUP, Inner Hub Bearing	2	46	4E-09	LKWSHR, Flanged Trunnion	12
10	675253	CONE, Inner Hub Bearing	2	47		TRUNNION, Steering — Flanged	
11	121062	NUT, Wheel Stud	20	47A	106119	Lower	2
12	106539	BOLT, Spindle Attaching	20	47B	108432	Upper R.H.	1
13	106762	WASHER, Spindle Attaching	20	48	106115	STUD, Steering Trunnion	12
14	106319	‡SHIM, Steering Arm — .010	—	49	106123	‡SHIM, Flanged Trunnion — .010	—
14A	106320	‡SHIM, Steering Arm — .007	—	49A	106124	‡SHIM, Flanged Trunnion — .007	—
14B	106321	‡SHIM, Steering Arm — .004	—	49B	106125	‡SHIM, Flanged Trunnion — .004	—
15	111656	WASHER, Steering Arm — Outer	2	50	106112	SUPPORT ASSY, L.H. Spindle (Inc. 48)	1
16	106313	BOLT, Steering Arm — Outer	2	50A	106100	†SUPPORT ASSY, R.H. Spindle (Inc. 48)	1
17	106121	RETAINER, Upper Trunnion Oil	2	50B	13F-12	†PLUG, Support Filler	2
18	10H-25	FITTING, Upper Trunnion Grease	2	51	106129	WASHER, Universal Joint Thrust	2
19	106120	TRUNNION, Upper Steering — L.H.	1	52	106127	SEAL, Universal Joint Oil	2
20	106322	BOLT, Steering Arm — Inner	2	53	111719	SEAL, Hub Oil	2
21	104549	WASHER, Steering Arm — Inner	2	54	106099	BUSHING, Spindle	2
22	675305	CONE, Upper Trunnion Bearing	2	55	110114	HUB ASSY (Inc. 6, 9)	2
23	675306	CUP, Upper Trunnion Bearing	2	56	117925	SPINDLE ASSY (Inc. 54)	2
24	106129	WASHER, Universal Joint Thrust	2	57	940330	HUB, Internal Gear (Inc. 71)	2
25	106127	SEAL, Universal Joint Shaft Oil	2	58	100967	LOCK, Spindle Nut	2
26	106128	WASHER, Inner Oil Seal	2	59	11F-12	PLUG, Hub Filler	2
27	2D-10	NUT, Outer End	16	60	114463	NUT, Outer Spindle	2
28	4E-10	LKWSHR, Outer End	16	61	3E-08	LKWSHR, Puller Hole Bolt	4
29	106790	ARM, Steering	1	62	1C-808	BOLT, Planet Puller Hole	4
30	106735	BOLT, Outer End	16	63	106059	GEAR, Internal	2
31	106116	HOUSING, Axle	1	64	-----	OMIT GASKET—Use Perma-Tex No. 2	—
31A	11F-12	†PLUG, Housing Filler & Drain	2	65	4E-07	LKWSHR, Thrust Cap	12
31B	12F-204	†PLUG, Housing Expansion	1	66	1C-720	BOLT, Thrust Cap	12
31C	106656	†BREATHER, Axle Housing	1	67	11F-04	PLUG, Oil Level	2
32	106096	SHAFT ASSY, Axle (Inc. 32A, 32B)	2	68	106058	GEAR, Sun	2
32A	874260	†PIN, Center Ball	2	69	945128	CAP, Sun Gear Thrust (Inc. 69A)	2
32B	675436	†PIN, Spiral	2	69A	111805	†VALVE, Relief	1
33	675305	CONE, Lower Trunnion Bearing	2	70	-----	PLANET SPIDER — See Index	—
34	109075	OUTER END, Housing	2	71	106880	BOLT, Internal Gear	16
35	675306	CUP, Lower Trunnion Bearing	2	72	-----	†TIE ROD ASSY — See Index	—
36	106135	RETAINER, Dust Seal	2	73	-----	†DIFF. & CARRIER ASSY—See Index	—

†Not Illustrated
‡As Required

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



AXLE ASSEMBLY — REAR DRIVE STEER

TS-2845-P



CONSTRUCTION MACHINERY DIVISION

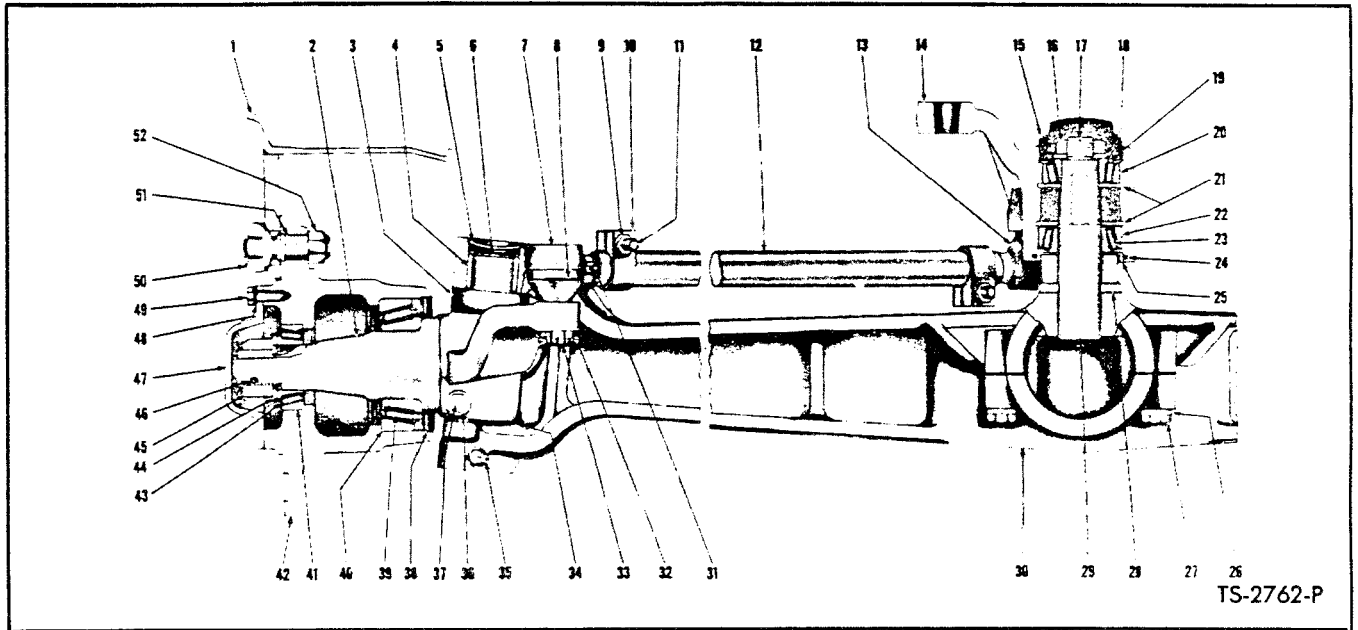


AXLE ASSEMBLY — REAR DRIVE STEER — MODEL 75A
For Serial: GAS — 8610 thru 12183, 1CA3170 and thereafter
DIESEL — 8610D thru 12183D, 1CB893 and thereafter

Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. Lists various mechanical parts and their quantities for the axle assembly.

†Not Illustrated
‡As Required

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



AXLE ASSEMBLY — REAR STEERING — MODEL 75B

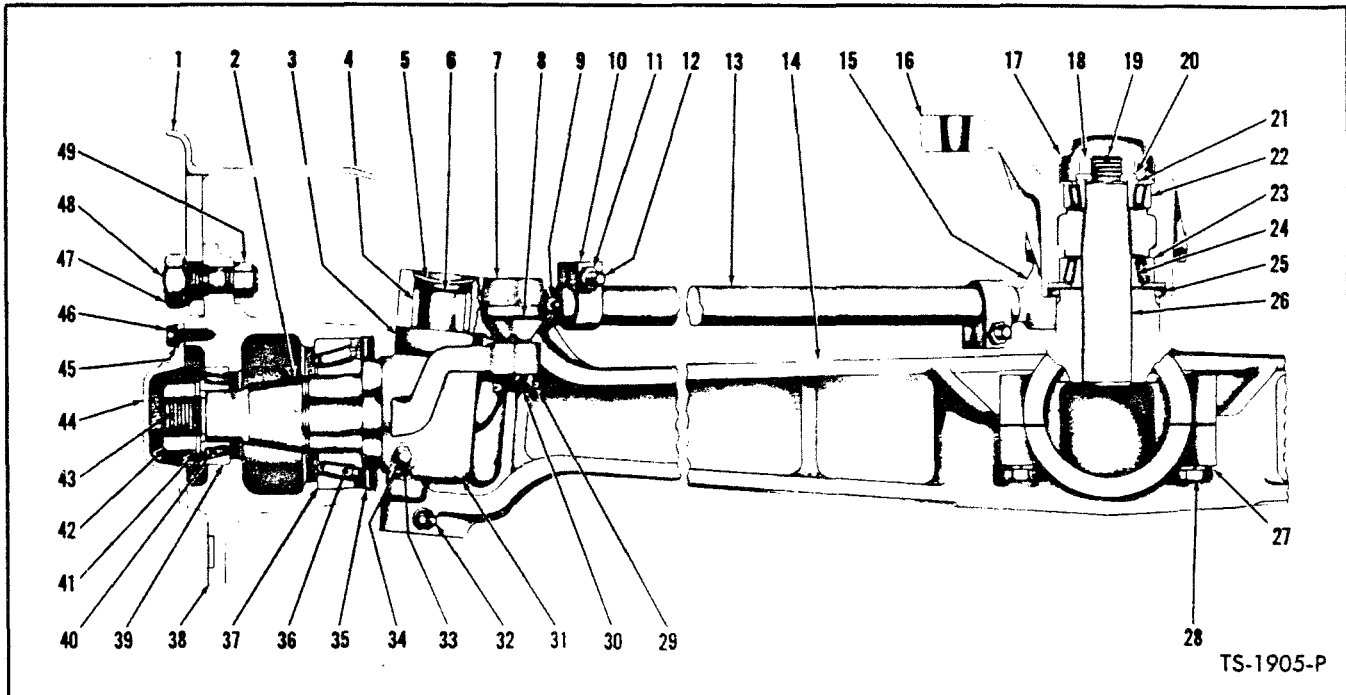
For Serial: 6123 thru 6127, 6129 thru 6133, 6135 thru 6138, 6140 thru 6143, 6146, 6147, 6148, 6150, 6153, 6154, 6156, 6160, 6161, 6164, 6166, 6169, 6170, 6176 thru 6179

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130144	*AXLE ASSY (Inc. 2 thru 54)	1	29	106528	PIN, Steering Arm	1
1	-----	WHEEL — (See Index)	—	30	107609	*CENTER ASSY, Axle (Inc. 4, 26 thru 29)	1
2	103928	KNUCKLE, Steering — L.H.	1	31	15H-1	FITTING, Tie Rod End Grease	4
2A	103927	KNUCKLE, Steering — R.H.	1	32	1F-416	COTTER, Tie Rod End	4
3	666553	BEARING, Knuckle Thrust	2	33	4D-10	NUT, Tie Rod End	4
4	711120	BEARING, Steering Knuckle Pin	4	34	103942	‡SHIM, Steering Knuckle	—
5	12F-200	PLUG, Axle Center Expansion	4	35	11H-1	FITTING, Knuckle Pin Grease	4
6	103929	PIN, Knuckle	2	36	2D-06	NUT, Knuckle Pin Draw Key	4
7	103228	END ASSY, Tie Rod — R.H. (Inc. 8, 33)	2	36A	4E-06	†LKWSHR, Knuckle Pin Draw Key	4
8	103166	COVER, Tie Rod End	4	37	102594	KEY, Knuckle Pin Draw	4
9	2D-08	NUT, Tie Rod Clamp Bolt	4	38	103935	SEAL, Inner Hub Oil	2
9A	4E-08	†LKWSHR, Tie Rod Clamp Bolt	4	39	654042	CONE, Inner Hub Bearing	2
10	103165	CLAMP, Tie Rod End	4	40	710037	CUP, Inner Hub Bearing	2
11	2C-836	BOLT, Tie Rod Clamp	4	41	654167	CUP, Outer Hub Bearing	2
12	106166	TIE ROD	2	42	106160	HUB ASSY (Inc. 40, 41 47 thru 52)	2
13	103227	END ASSY, Tie Rod — L.H. (Inc. 8, 33)	2	43	654139	CONE, Outer Hub Bearing	2
14	106167	SPIDER, Steering	1	44	102251	WASHER, Hub Bearing	2
15	100323	CAP, Spider Hub Grease	1	45	4D-20	NUT, Hub Bearing	2
16	100575	NUT, Steering Spider	1	46	1F-632	COTTER, Hub Bearing Nut	2
17	1F-428	COTTER, Steering Spider Nut	1	47	103188	CAP, Hub Grease	2
18	100588	WASHER, Steering Spider	1	48	6E-06	LKWSHR, Grease Cap	10
19	675246	CONE, Spider Bearing	1	49	1C-614	BOLT, Grease Cap	10
20	672070	CUP, Spider Bearing	1	50	103522	NUT, Wheel	12
21	223878	RING, Bearing Retaining	2	51	103445	STUD, Wheel	12
22	672070	CUP, Spider Bearing	1	52	121062	NUT, Wheel Stud	12
23	675246	CONE, Spider Bearing	1	53	13G-820	†SCREW, Knuckle Stop	2
24	103953	FELT, Spider	1	54	7D-08	†NUT, Knuckle Stop Screw	2
25	103954	CUP, Spider Felt	1				
26	4E-10	LKWSHR, Bearing Cap	8				
27	1C-1048	BOLT, Bearing Cap	8				
28	103952	PIN, Steering Arm Pin Lock	1				

*NOTE: 107609 Axle Center Kit is available to convert 130144 Axle Assy into 130151. After 107609 Kit has been installed use 130151 Axle parts list on page 87 when subsequent replacement parts are required. For replacement of 130144 use 130151.

†Not Illustrated
‡As Required

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

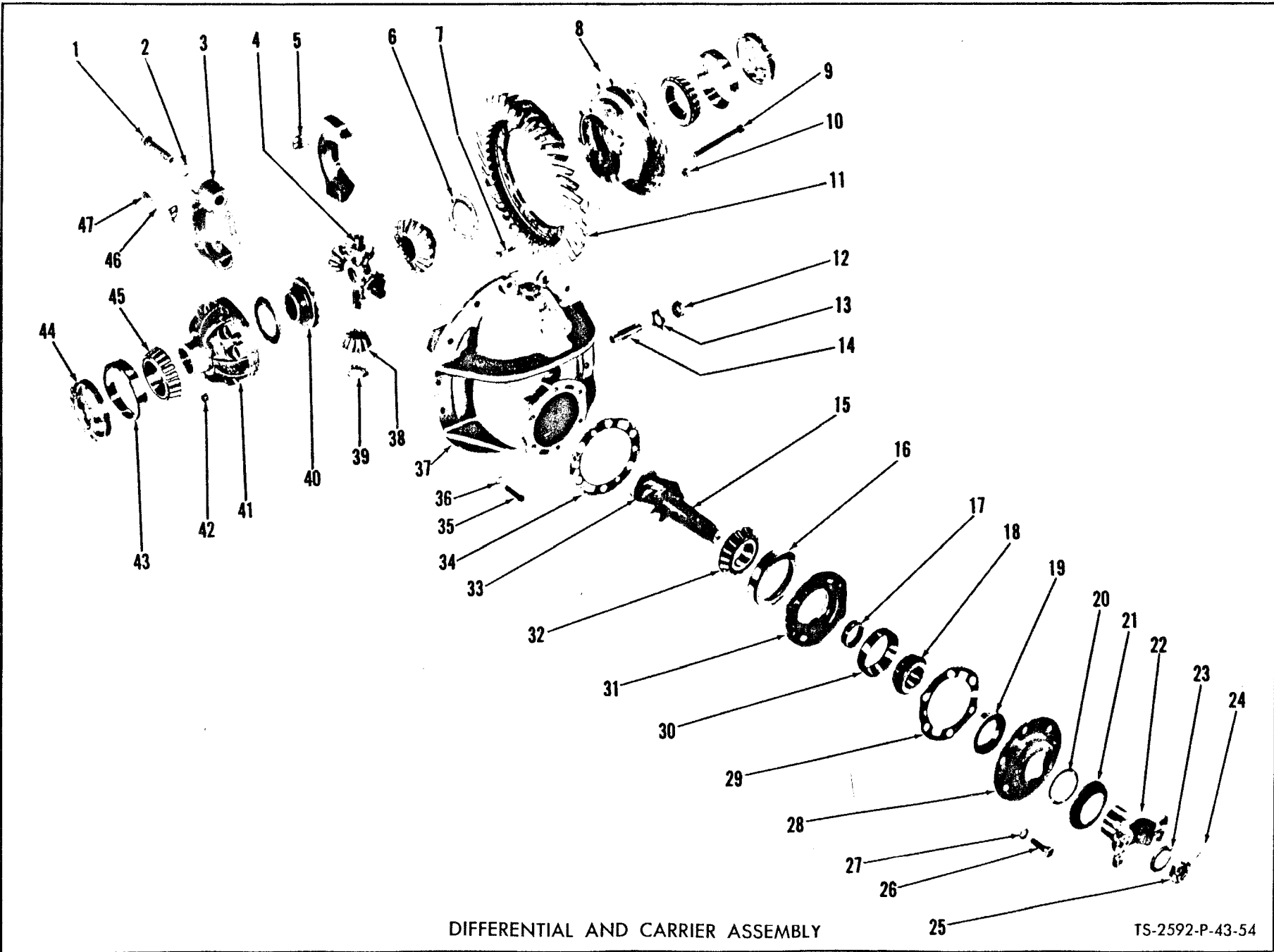


AXLE ASSEMBLY — REAR STEERING — MODEL 75B

For Serial: 6128, 6134, 6139, 6144, 6145, 6149, 6151, 6152, 6155, 6157, 6158, 6159, 6162, 6163, 6165, 6167, 6168, 6171 thru 6175, 6177, 6178, 6180 and thereafter

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



DIFFERENTIAL AND CARRIER ASSEMBLY

TS-2592-P-43-54



CONSTRUCTION MACHINERY DIVISION



DIFFERENTIAL AND CARRIER ASSEMBLY

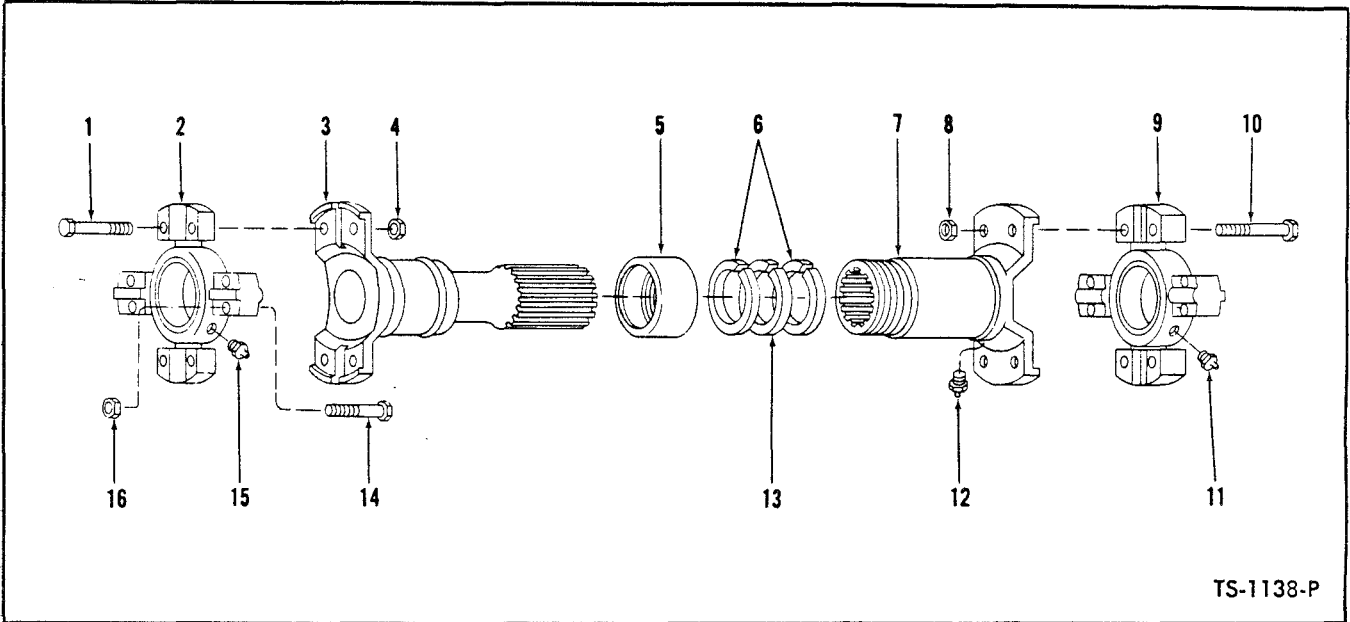
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		DIFF. & CARRIER ASSY (Inc. 1 thru 34, 37 thru 47)		31	100938	CAGE ASSY, Pinion Brg. (Inc. 30)	1
B	815576	Front Drive	1	32	667277	CONE, Center Pinion Bearing	1
C	815509	Rear Drive Steer	1	33	675536	BEARING, Inner Pinion	1
1	100937	BOLT, Differential Carrier Cap	4	34		SHIM, Pinion Bearing Cage	
2	111656	WASHER, Differential Carrier Cap	4	34A	112354	‡SHIM — .004"	—
3	—	§CAP, Differential Carrier — (See 37)	2	34B	125576	‡SHIM — .007"	—
4	100171	SPIDER, Differential	1	34C	125577	‡SHIM — .010"	—
5	100941	LOCK, Differential Adjusting Nut	2	35	1C-722	BOLT, Carrier to Axle — 7/8" x 1 3/8"	6
6	100173	WASHER, Side Gear Thrust	2	35A	1C-728	BOLT, Carrier to Axle — 7/8" x 1 3/4"	8
7	100176	BOLT, Ring Gear	12	35B	1C-732	BOLT, Carrier to Axle — 7/8" x 2"	1
8	—	§CASE, Diff. — Flanged Half (See 51)	1	36	4E-07	LKWSHR, Carrier to Axle — 7/8"	14
9	100174	BOLT, Differential Case	8	37	815512	CARRIER ASSY (Inc. 1, 2, 3)	1
10	104182	NUT, Ring Gear	12	38	815744	*PINION KIT, Differential	1
11	—	§GEAR, Ring — (See 50)	1	39	100172	WASHER, Differential Pinion Thrust	4
12	—	OMIT, Not used in this application	—	40	100170	GEAR, Differential Side	2
13	—	OMIT, Not used in this application	—	41	—	§CASE, Diff. — Plain Half (See 51)	1
14	—	OMIT, Not used in this application	—	42	104182	NUT, Differential Case	8
15	—	§PINION, Differential — (See 50)	1	43	675249	CUP, Differential Bearing	2
16	667278	CUP, Center Pinion Bearing	1	44	100940	NUT, Differential Adjusting	2
17	815040	SPACER, Pinion Bearing	1	45	675248	CONE, Differential Bearing	2
18	710288	CONE, Outer Pinion Bearing	1	46	4E-06	LKWSHR, Adjusting Nut Lock	2
19	111720	SEAL, Pinion Oil	1	47	3C-614	BOLT, Adjusting Nut Lock	2
20	100945	GASKET, Pinion Oil Seal	1	48		DIFFERENTIAL ASSY (Inc. 4, 6 thru 11, 15, 38 thru 42)	
21	100949	DEFLECTOR, Pinion Dust	1	48A	124443	Front Drive	1
22	106081	FLANGE, Companion	1	48B	124995	Rear Drive	1
23	119298	WASHER, Pinion Shaft	1	49	100160	DIFF. BODY SUB-ASSY (Inc. 4, 6, 8, 9, 10, 38 thru 42)	1
24	1F-428	COTTER, Pinion Shaft Nut	1	50		GEAR & PINION SET (Inc. 11, 15)	
25	100950	NUT, Pinion Shaft	1	50A	815202	Front Drive	1
26	1C-928	BOLT, Oil Seal Retainer	5	50B	815204	Rear Drive	1
26A	1C-828	BOLT, Oil Seal Retainer Locating	1	51	815203	DIFF. CASE KIT (Inc. 8, 41)	1
27	4E-09	LKWSHR, Oil Seal Retainer	5				
27A	4E-08	LKWSHR, Oil Seal Retainer Locating	1				
28	100942	RETAINER, Pinion Oil Seal	1				
29	112353	GASKET, Oil Seal Retainer	1				
30	675257	CUP, Outer Pinion Bearing	1				

‡As Required

§Not Sold Separately

*NOTE: 815744 Kit consists of 4 - 100169 Pinions.

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



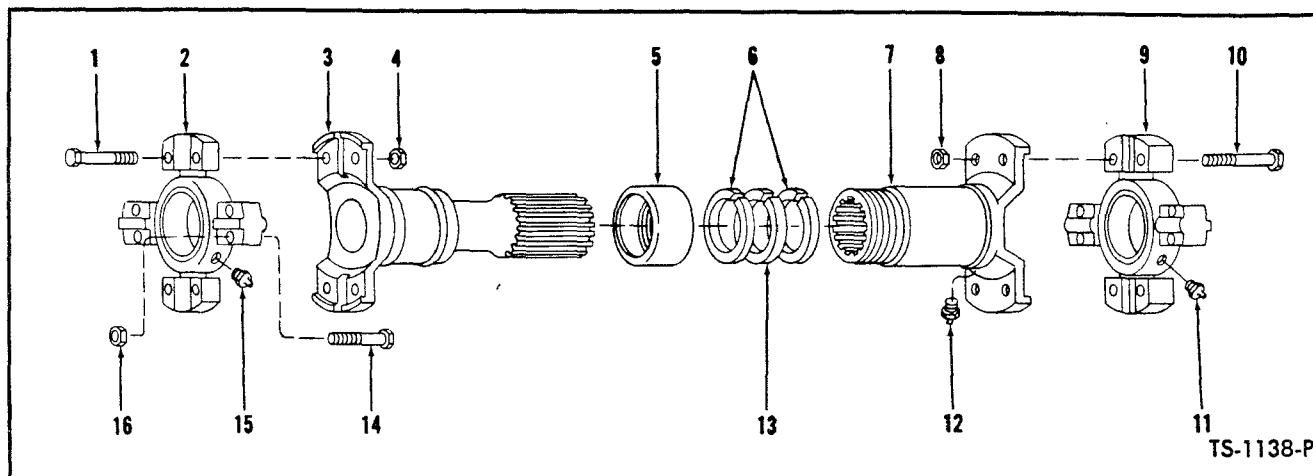
TS-1138-P

PROPELLER SHAFT – TRANSMISSION TO AXLES – WAUKESHA

Item No.	Part No.	Description	No. Req'd.
A		PROP SHAFT ASSY (Inc. 1 thru 16)	
B	550580	*For 75A and 75B	2
C	550778	For 75R	1
Quantities listed below are for 1 Prop Shaft.			
1	940089	BOLT, Spider & Bearing to Tube	4
2	944862	SPIDER & BEARING (Inc. 2A)	1
3		TUBE	
3A	940084	For 75A and 75B	1
3B	940230	For 75R	1
4	8D-06	NUT, Spider & Bearing to Tube	4
5	940090	RETAINER, Felt	1
6	940091	WASHER, Felt Retainer	2
7	940093	SLIP YOKE	1
8	8D-06	NUT, Spider & Bearing to Slip Yoke	4
9	944862	SPIDER & BEARING (Inc. 9A)	1
10	940089	BOLT, Spider & Bearing to Slip Yoke	4
11	10H-35	FITTING, Spider & Bearing Grease	1
12	10H-25	FITTING, Slip Yoke Grease	1
13	940092	WASHER, Felt	1
14	940089	BOLT, Spider & Bearing Attaching	8
15	10H-35	FITTING, Spider & Bearing Grease	1
16	8D-06	NUT, Spider & Bearing Attaching	8

*NOTE: Quantity required this item for 75B is one.
†Not illustrated

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



PROPELLER SHAFT ASSEMBLY — G.M.

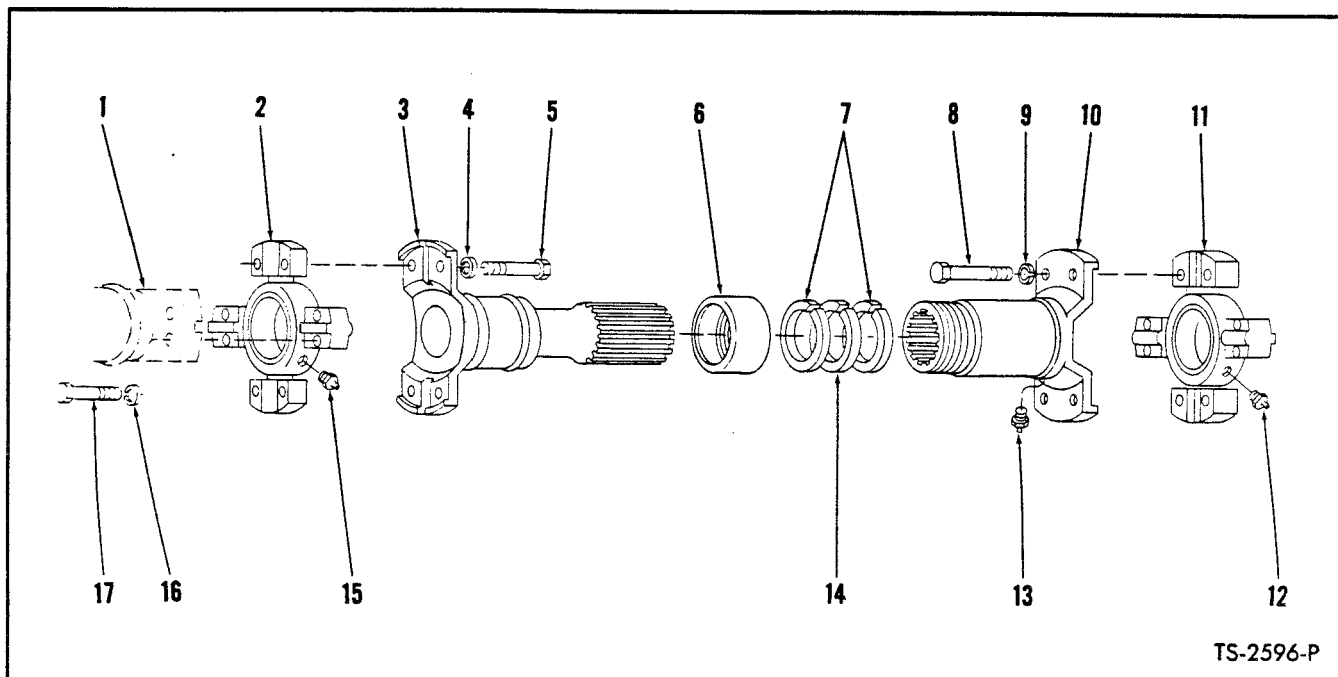
Column 1: Converter to Transmission

Column 2: Transmission to Axles (2 Required)

Item No.	Description	No. Req'd.	1.	2.
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16).....	1	529850	550580
1	BOLT, Spider & Bearing to Tube	4	695811	940081
1A	†LKWSHR, Spider & Bearing to Tube.....	4	4E-06	OMIT
2	SPIDER & BEARING (Inc. 2A).....	1	946067	94486
2A	†SEAL, Spider & Bearing Grease.....	4	944863	-----
3	TUBE	1	944670	94008
4	NUT, Spider & Bearing to Tube	4	OMIT	8D-06
5	RETAINER, Felt	1	940654	94009
6	WASHER, Felt Retainer	2	940653	94009
7	SLIP YOKE	1	944868	94009
8	NUT, Spider & Bearing to Slip Yoke.....	4	OMIT	8D-06
9	SPIDER & BEARING (Inc. 9A).....	1	946067	94486
9A	†SEAL, Spider & Bearing Grease.....	4	944863	-----
10	BOLT, Spider & Bearing to Slip Yoke.....	4	695811	94008
10A	†LKWSHR, Spider & Bearing to Slip Yoke	4	4E-06	OMIT
11	FITTING, Spider Grease	1	10H-25	10H-2
12	FITTING, Slip Yoke Grease	1	10H-25	10H-2
13	WASHER, Felt	1	940081	94008
14	BOLT, Spider & Bearing Attaching	8	695811	94008
14A	†LKWSHR, Spider & Bearing Attaching	8	4E-06	OMIT
15	FITTING, Spider Grease	1	10H-25	10H-2
16	NUT, Spider & Bearing Attaching.....	8	OMIT	8D-06

†Not Illustrated

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



TS-2596-P

PROPELLER SHAFT — ENGINE TO TRANSMISSION—WAUKESHA

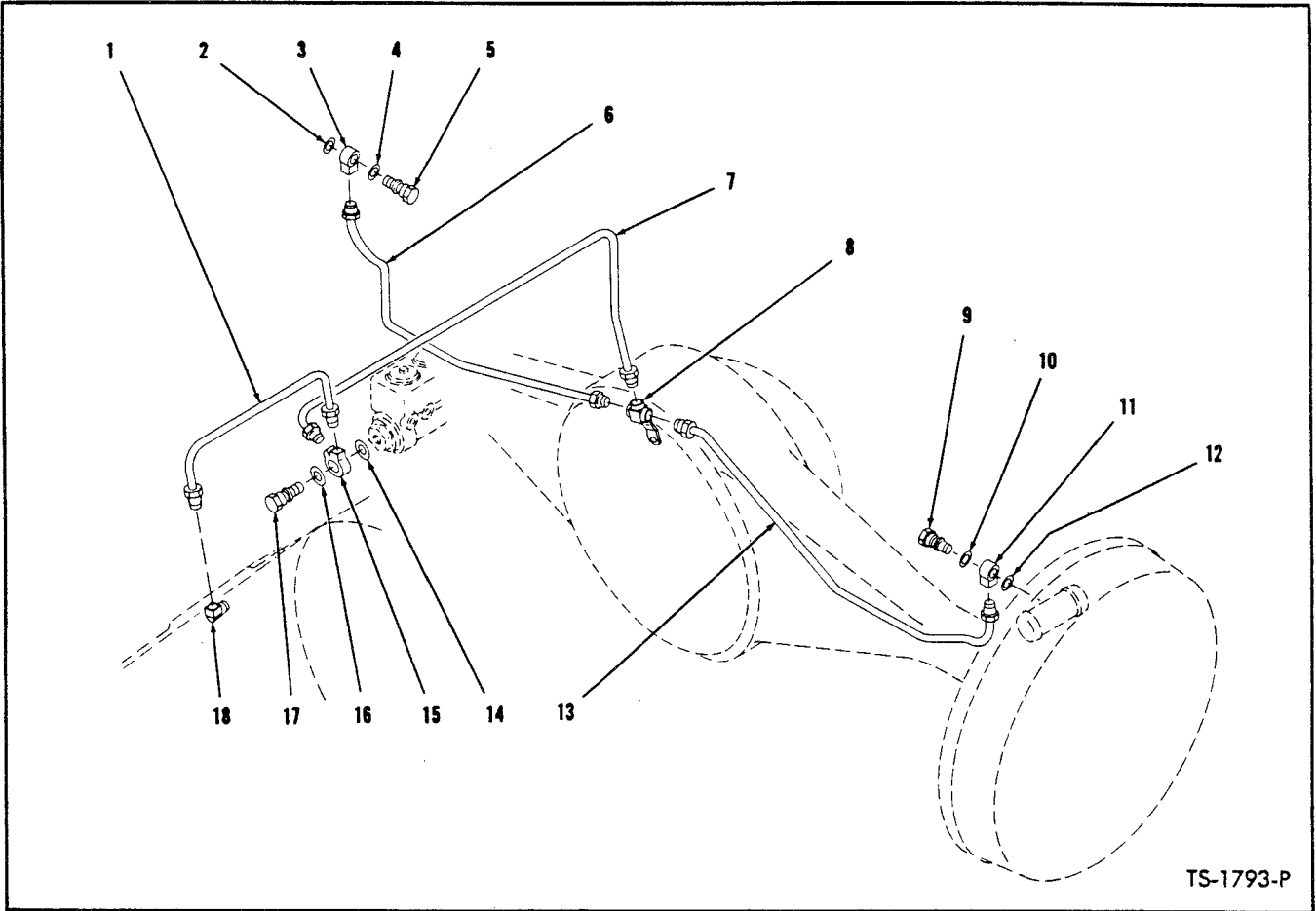
COLUMN 1 For Serial **75A** — 8123 thru 10222, 10240 & 10247 thru 10251
75B — 6123 thru 6200
75R — 7123 thru 7154

COLUMN 2 For Serial **75A GAS** — 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 & thereafter
75A DIESEL — 10223 thru 12183, 1CB893 & thereafter
75B — 6201 thru 6270
75R — 7155 thru 7184

Item No.	DESCRIPTION	No. Req'd.	Column 1	Column 2
A	PROPELLER SHAFT ASSY (Inc. 1 thru 17).....	1	550579	514268
1	FLANGE — See Converter & Transmission Listings.....	—	—	—
2	SPIDER & BEARING (Inc. 2A).....	1	946067	946067
2A	†SEAL, Spider & Bearing Grease.....	4	944863	944863
3	STUB YOKE.....	1	940085	942659
4	LKWSHR, Spider to Stub Yoke.....	4	4E-05	4E-05
5	BOLT, Spider to Stub Yoke.....	4	695811	695811
6	RETAINER, Felt.....	1	940080	940654
7	WASHER, Felt Retainer.....	2	—	940653
8	BOLT, Spider to Slip Yoke.....	4	695811	695811
9	LKWSHR, Spider to Slip Yoke.....	4	4E-05	4E-05
10	SLIP YOKE.....	1	940082	944868
11	SPIDER & BEARING (Inc. 11A).....	1	946067	946067
11A	†SEAL, Spider & Bearing Grease.....	4	944863	944863
12	FITTING, Spider Grease.....	1	10H-35	10H-35
13	FITTING, Slip Yoke Grease.....	1	10H-25	10H-25
14	WASHER, Felt.....	1	940081	940081
15	FITTING, Spider Grease.....	1	10H-35	10H-35
16	LKWSHR, Spider Attaching.....	8	4E-05	4E-05
17	BOLT, Spider Attaching.....	8	695811	695811

†Not Illustrated

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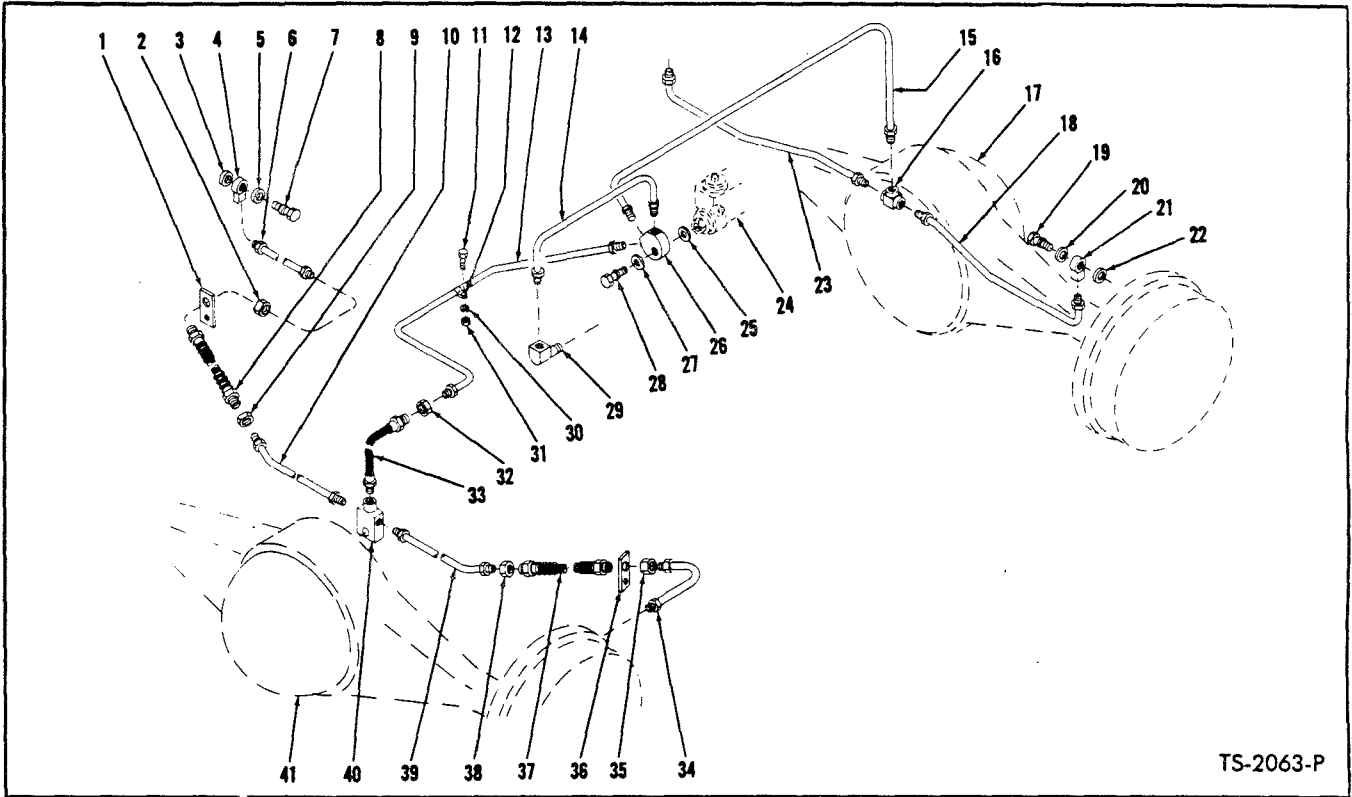
TS-1793-P

BRAKE LINES

For Serial: 75A – 8123 thru 8609
75B – 6123 thru 6270
75R – 7123 thru 7183

Item No.	Part No.	Description	No. Req'd.
1	552382	LINE, Brake – Master Cylinder to Transmission	1
2	613750	GASKET, Copper – Inner Wheel Cylinder	1
3	620235	FITTING, Wheel Cylinder	1
4	620238	GASKET, Copper – Outer Wheel Cylinder	1
5	692722	BOLT, Wheel Cylinder Fitting	1
6	550405	LINE, Tee to Left Wheel Brake	1
7		LINE, Brake – Master Cylinder to Axle Tee	
7A	552383	For 75A & 75B only	1
7B	550407	For 75R only	1
8	609733	TEE, Axle Brake Lines	1
9	692722	BOLT, Wheel Cylinder Fitting	1
10	620238	GASKET, Copper – Outer Wheel Cylinder	1
11	620235	FITTING, Wheel Cylinder	1
12	613750	GASKET, Copper – Inner Wheel Cylinder	1
13	550404	LINE, Brake – Tee to Right Wheel Brake	1
14	613750	GASKET, Copper – Inner Master Cylinder	1
15	633242	FITTING, Master Cylinder	1
16	620238	GASKET, Copper – Outer Master Cylinder	1
17	692722	BOLT, Master Cylinder Fitting	1
18	62F-3	ELBOW, Line to Transmission	1

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



TS-2063-P

BRAKE LINES — 75A

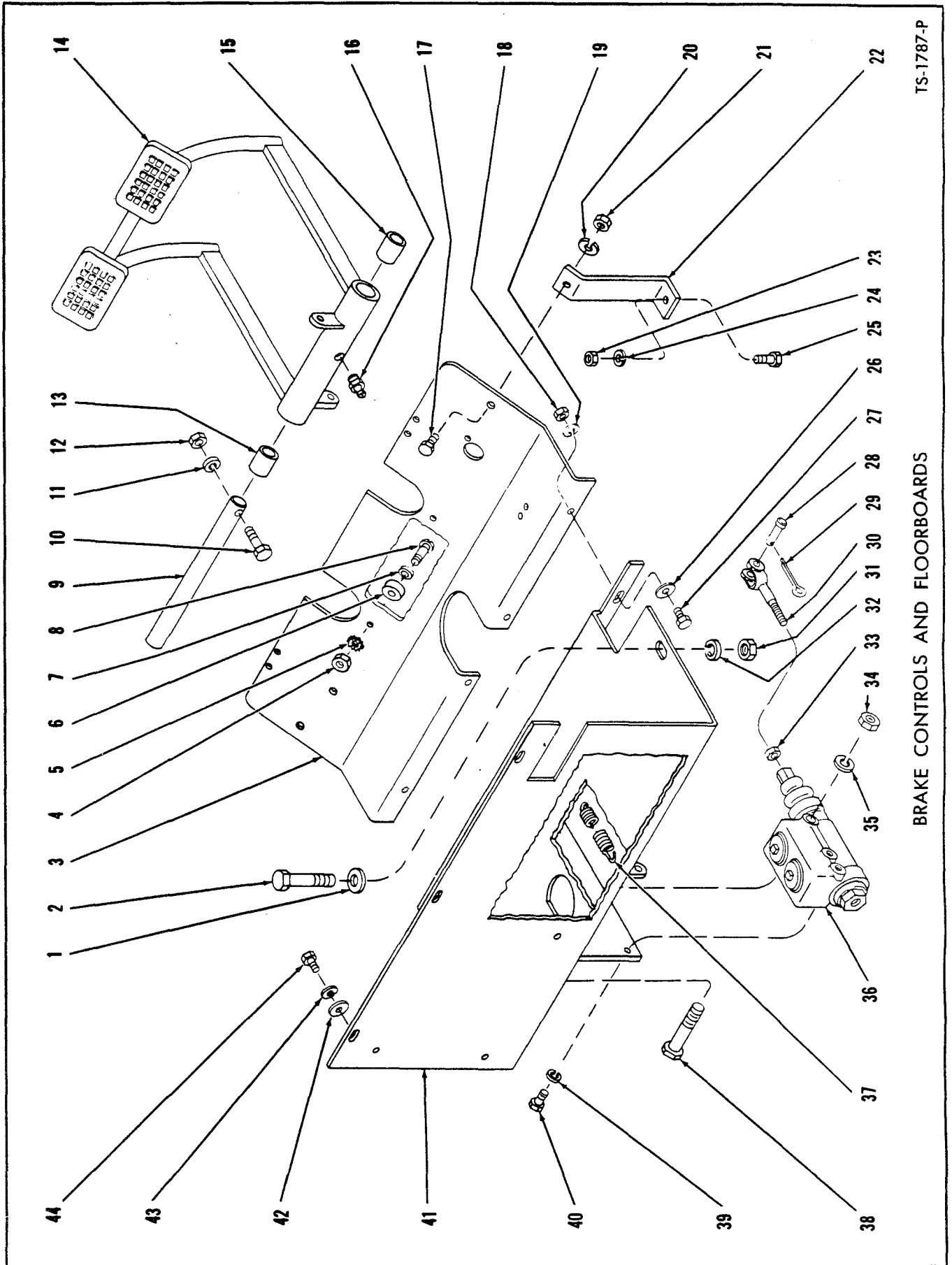
For Serial: GAS — 8610 thru 12183, 1CA3170 and thereafter
 DIESEL — 8610D thru 12183D, 1CB893 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550325	CLIP, Brake Hose	1	25	613750	GASKET, Copper — Inner Master Cyl.	1
2	8D-10	NUT, Clip to Hose	1	26	552264	FITTING, Master Cylinder	1
3	613750	GASKET, Copper — Inner Wheel Cyl.	2	27	620238	GASKET, Copper — Outer Master Cyl.	1
4	620235	FITTING, Wheel Cylinder	2	28	692722	BOLT, Master Cylinder Fitting	1
5	620238	GASKET, Copper — Outer Wheel Cyl.	2	29	62F-3	ELBOW, Line to Transmission	1
6		LINE, Brake — Frame to Wheel Cyl.		30	4E-06	LKWSHR, Clip Attaching	1
6A	518173	For Serial Group "A" Below	1	31	2D-06	NUT, Clip Attaching	1
6B	552387	For Serial Group "B" Below	1	32	8D-10	NUT, Brake Hose	1
7	692722	BOLT, Wheel Cylinder Fitting	2	33	550324	HOSE, Line to Axle Tee	1
8	552374	HOSE, Brake	1	34		LINE, Brake — Frame to Wheel Cyl.	
9	8D-10	NUT, Brake Hose	1	34A	518173	For Serial Group "A" Below	1
10	552386	LINE, Brake — Tee to Brake Hose	1	34B	552387	For Serial Group "B" Below	1
11	2C-616	BOLT, Clip Attaching	1	35	8D-10	NUT, Brake Hose	1
12	6H-4	CLIP, Brake Line	1	36	550325	CLIP, Brake Hose	1
13	552384	LINE, Brake—Master Cyl. to Rear Axle	1	37	552374	HOSE, Brake	1
14	552382	LINE, Master Cyl. to Transmission	1	38	8D-10	NUT, Brake Hose	1
15	552383	LINE, Brake — Master Cyl. to Front Axle	1	39	552385	LINE, Brake — Tee to Brake Hose	1
16	609733	TEE, Front Axle Brake Lines	1	40	550320	TEE, Rear Axle Brake Line	1
17		FRONT AXLE — (See Index)	—	41		REAR AXLE — (See Index)	—
18	550404	LINE, Brake — Tee to Right Wheel Cyl.	1				
19	692722	BOLT, Wheel Cylinder Fitting	2				
20	620238	GASKET, Copper — Outer Wheel Cyl.	2				
21	620235	FITTING, Wheel Cylinder	2				
22	613750	GASKET, Copper — Inner Wheel Cyl.	2				
23	550405	LINE, Brake — Tee to Left Wheel Cyl.	1				
24		BRAKE MASTER CYL. — (See Index)	—				

Serial Group "A":
 10593 thru 10640, 10643 thru 10648

Serial Group "B":
 GAS — 8610 thru 10592, 10641, 10642, 10649 thru 12183, 1CA3170 and thereafter
 DIESEL — 8610D thru 10592D, 10641D, 10642D, 10649D thru 12183D, 1CB893 and thereafter

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



TS-1787-P

BRAKE CONTROLS AND FLOORBOARDS



BRAKE CONTROLS AND FLOORBOARDS

Item No.	Part No.	Description	No. Req'd.
1	25E-16	WASHER, Floorboard to Frame	2
2	2C-616	BOLT, Floorboard to Frame	2
3		FLOORBOARD, Front	
3A	550748	For Machines with Mechanical Starter	1
3B	550631	For Machines with Solenoid Starter...	1
4	14D-10	NUT, Bumper to Floorboard	2
5	13E-10	LKWSHR, Bumper to Floorboard	2
6	302568	BUMPER, Brake Pedal	2
7	616775	WASHER, Bumper to Floorboard	2
8	2G-1010	SCREW, Bumper to Floorboard	2
9	550299	SHAFT, Brake Pedal	1
10	2C-640	BOLT, Shaft Retaining	1
11	4E-06	LKWSHR, Shaft Retaining	1
12	2D-06	NUT, Shaft Retaining	1
13	526767	BUSHING, Brake Pedal	1
14	550292	PEDAL, Brake	1
15	526767	BUSHING, Brake Pedal	1
16	11H-15	FITTING, Brake Pedal Grease	1
17	2C-616	BOLT, Floorboard to Bracket	2
18	2D-06	NUT, Floorboard to Floorboard	4
19	4E-06	LKWSHR, Floorboard to Floorboard	4
20	4E-06	LKWSHR, Floorboard to Bracket	2
21	2D-06	NUT, Floorboard to Bracket	2
22	550632	BRACKET, Floorboard Support	2
23	2D-06	NUT, Bracket to Frame	2
24	4E-06	LKWSHR, Bracket to Frame	2
25	2C-620	BOLT, Bracket to Frame	2

Item No.	Part No.	Description	No. Req'd.
26	25E-16	WASHER, Floorboard to Floorboard..	4
27	2C-616	BOLT, Floorboard to Floorboard	4
28	4F-08127	PIN, Clevis to Pedal	1
29	1F-412	COTTER, Clevis Pin	1
30	552377	ROD ASSY, Master Cylinder Push	1
31	2D-06	NUT, Floorboard to Frame	2
32	4E-06	LKWSHR, Floorboard to Frame	2
33	8D-07	NUT, Push Rod Jam	1
34	2D-07	NUT, Cylinder to Floorboard	1
35	4E-07	LKWSHR, Cylinder to Floorboard	1
36		CYLINDER, Brake Master	
36A	550985	For Serial Group "A" Below	1
36B	552373	For Serial Group "B" Below	1
36C		†REPAIR KIT, Master Cylinder	
36D	858317	For Serial Group "A" Below	1
36E	869449	For Serial Group "B" Below	1
37	550301	SPRING, Pedal Return	1
38	2C-760	BOLT, Cylinder to Floorboard	1
39	4E-06	LKWSHR, Cylinder to Floorboard	1
40	1C-614	BOLT, Cylinder to Floorboard	1
41		FLOORBOARD, Rear	
41A	550626	For Serial Group "A" Below	1
41B	552375	For Serial Group "B" Below	1
42	25E-16	WASHER, Rear Floorboard to Frame..	3
43	4E-06	LKWSHR, Rear Floorboard to Frame..	3
44	1C-612	BOLT, Rear Floorboard to Frame	3

†Not Illustrated

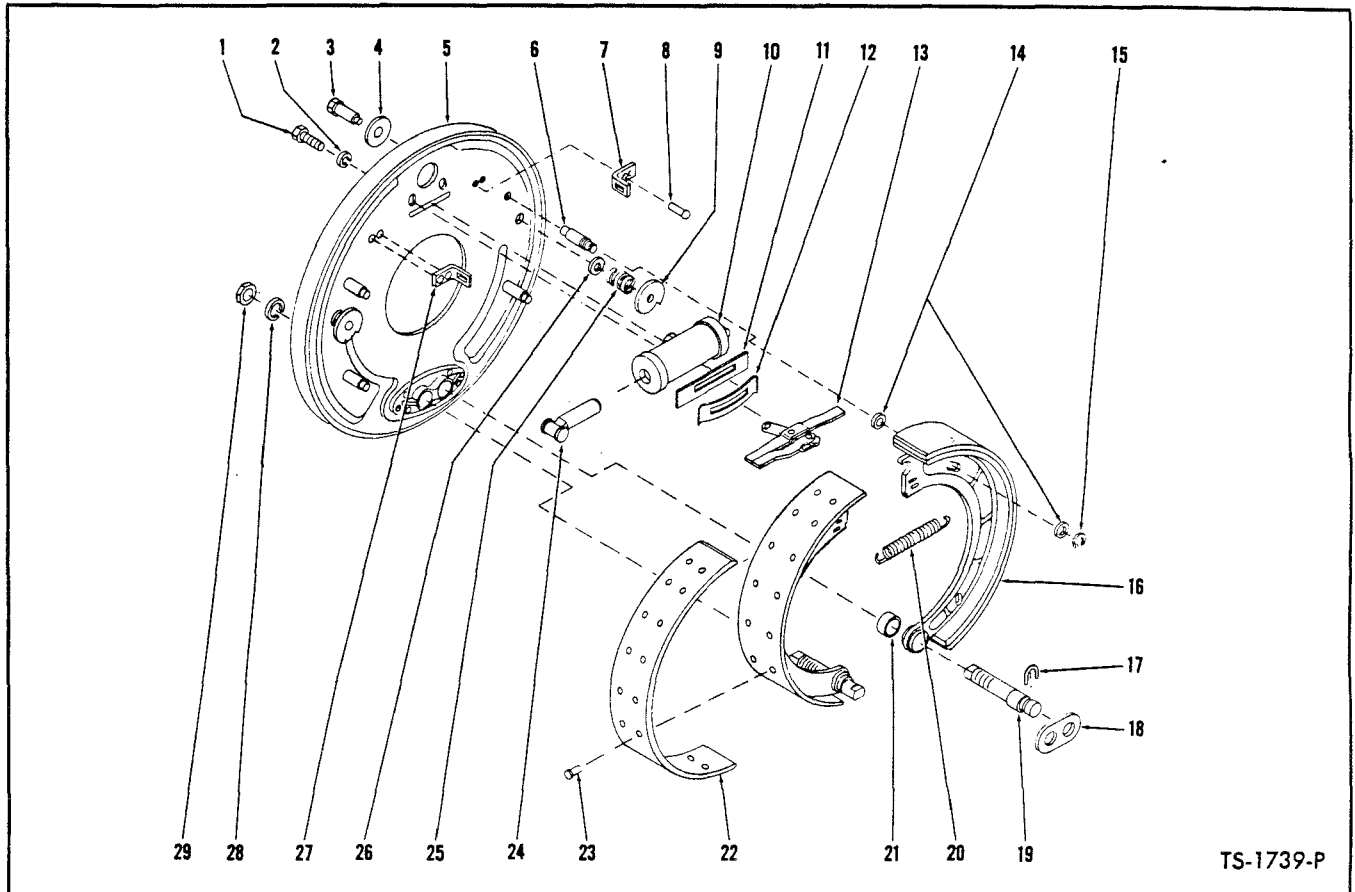
Serial Group "A":

- 75A — 8123 thru 8609
- 75B — 6123 thru 6270
- 75B — 7123 thru 7183

Serial Group "B":

- 75A — GAS — 8610 thru 12183, 1CA3170 and thereafter
- 75A DIESEL — 8610D thru 12183D, 1CB893 and thereafter

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



TS-1739-P

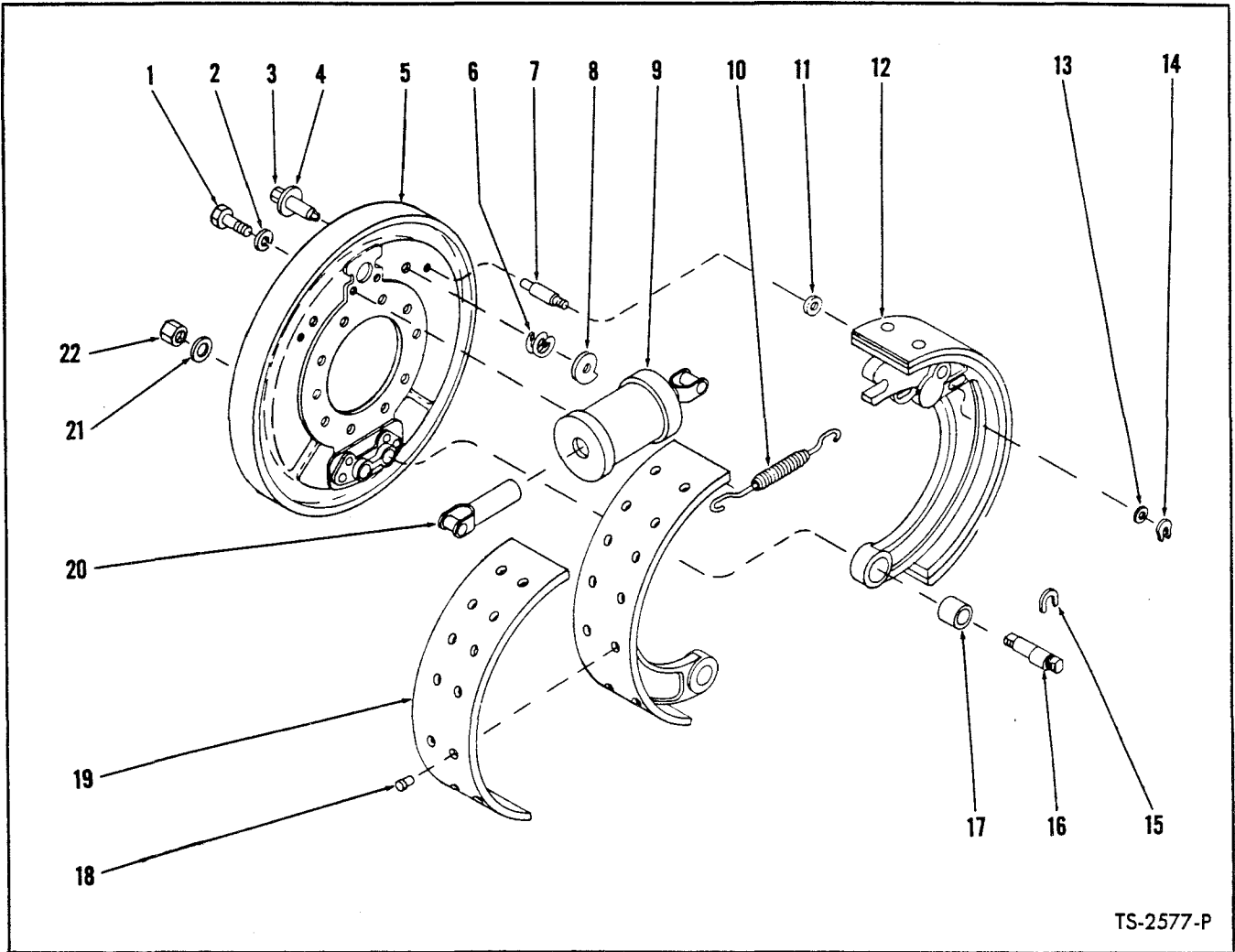
BRAKE ASSEMBLY — FRONT

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		BRAKE ASSY (Inc. 1 thru 29)		17		"C" WASHER, Anchor Pin	
B	110929	Right Hand	1	17A	101332	For "C" Washers with 1 1/16" opening..	2
C	110930	Left Hand	1	17B	100613	For "C" Washers with 7/8" opening	2
NOTE: 2 brake assemblies used on axle — Quantities listed below are for 1 brake assembly.				18	106970	STRUT, Anchor Pin	1
1	1C-610	BOLT, Cylinder to Brake Disc	2	19		PIN, Brake Shoe Anchor	
2	4E-06	LKWSHR, Cylinder to Brake Disc	2	19A	106969	For Anchor Pins 4 1/16" long	2
3	114169	PIN ASSY, Cam (Inc. 4)	2	19B	940367	*For Anchor Pins 3 7/8" long	2
4	100867	WASHER, Cam Pin	2	20	106216	SPRING, Brake Shoe Return	1
5		DISC ASSY, Brake (Inc. 3, 4, 6, 9, 25, 26, 27)		21	201966	BUSHING, Brake Shoe	2
5A	106337	Right Hand	1	22	944217	LINING KIT, Brake Shoe (Inc. 23B)	2
5B	106338	Left Hand	1	23		RIVET, Lining to Shoe	
5C	120198	†COVER, Adjusting Hole	4	23A	106184	3/4" — For Shoes with 5/16" rivet holes ...	36
6	106373	PIN, Guide	4	23B	3H-1216	3/16" — For Shoes with 13/16" rivet holes..	36
7	106180	SUPPORT, Parking Brake Link	1	24	958553	LINK, Wheel Cylinder Connector	2
8	1H-410	RIVET, Link Support	4	25	943859	SPRING ASSY, Cam (Inc. 26)	2
9	100864	CAM, Shoe Adjusting	2	26	851771	WASHER, Cam Spring	2
10	107014	CYLINDER ASSY, Wheel (Inc. 24) ..	1	27	106179	SUPPORT, Parking Brake Link	1
11	104524	SHIELD, Link Dust	1	28	4E-12	LKWSHR, Anchor Pin	2
12	106185	SPRING, Link	1	29	2D-12	NUT, Anchor Pin	2
13	106526	LINK, Parking Brake	1				
14	102322	WASHER, Guide Pin	8				
15	100878	"C" WASHER, Guide Pin	4				
16	118254	SHOE ASSY, Brake (Inc. 21, 22, 23).	2				

*NOTE: 940367 Anchor Pin Kit includes 17A, 18 and 19A to convert machines with 3 7/8" Anchor Pins to 4 1/16".

†Not Illustrated

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



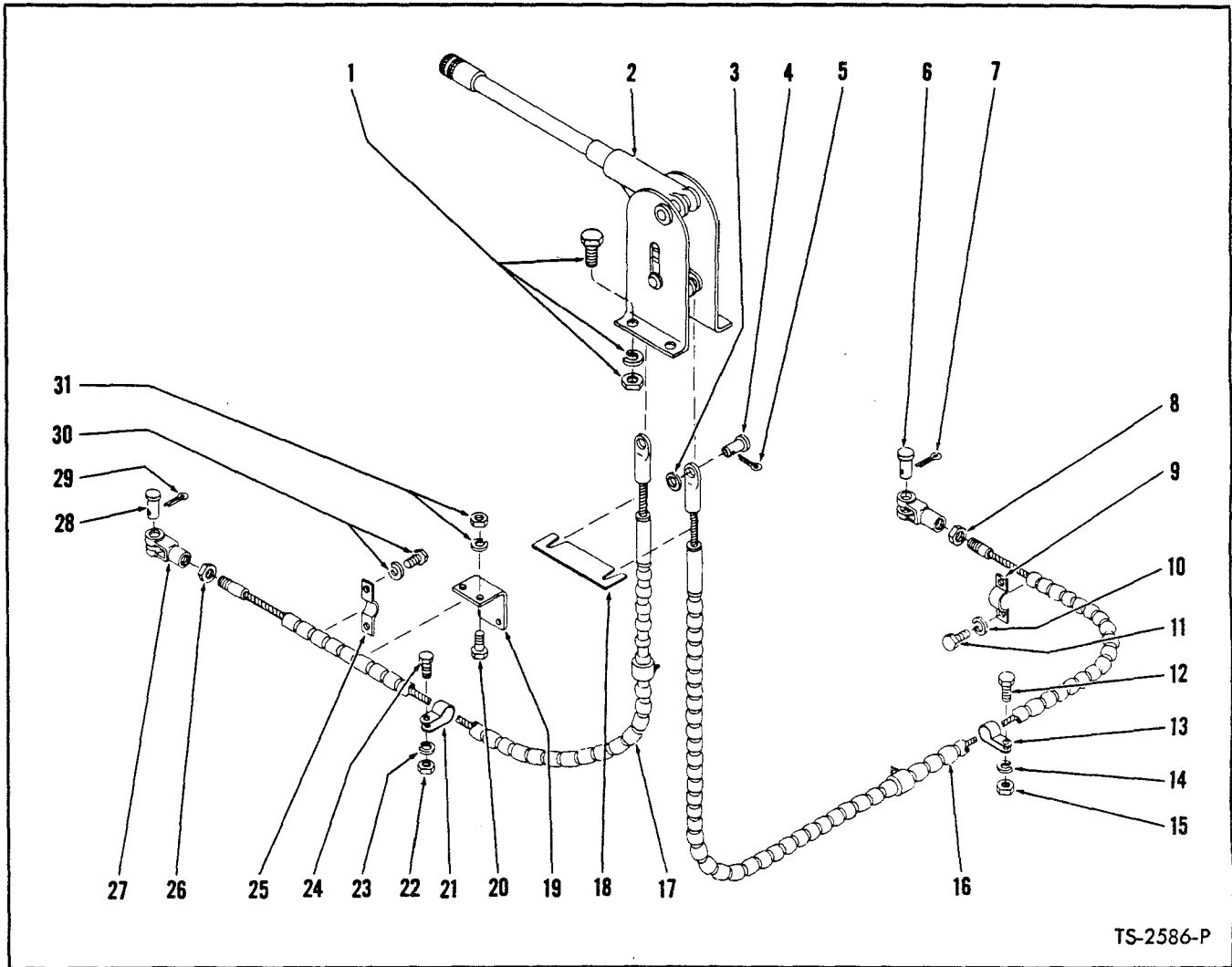
TS-2577-P

BRAKE ASSEMBLY — REAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	120505	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	120507	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
5A	120198	†COVER, Adjusting Hole	4	18		RIVET, Lining to Shoe	
6	943859	SPRING, Cam (Inc. 6A)	2	18A	106184	3/8" — For Shoes with 1/2" rivet holes	24
6A	851771	†WASHER, Cam Spring	4	18B	3H-1214	3/8" — For Shoes with 13/64" rivet holes	24
7	100877	PIN, Guide	2	19	944216	LINING KIT, Brake Shoe (Inc. 18B)	2
8	100864	CAM, Brake Shoe Adjusting	2	20	853402	LINK, Wheel Cylinder Connector	2
9	124214	CYLINDER ASSY, Wheel (Inc. 20)	1	21	6E-12	LKWSHR, Anchor Pin	2
9A	853405	†REPAIR KIT, Wheel Cylinder	1	22	2D-12	NUT, Anchor Pin	2
10	100879	SPRING, Brake Shoe Return	1				

†Not Illustrated

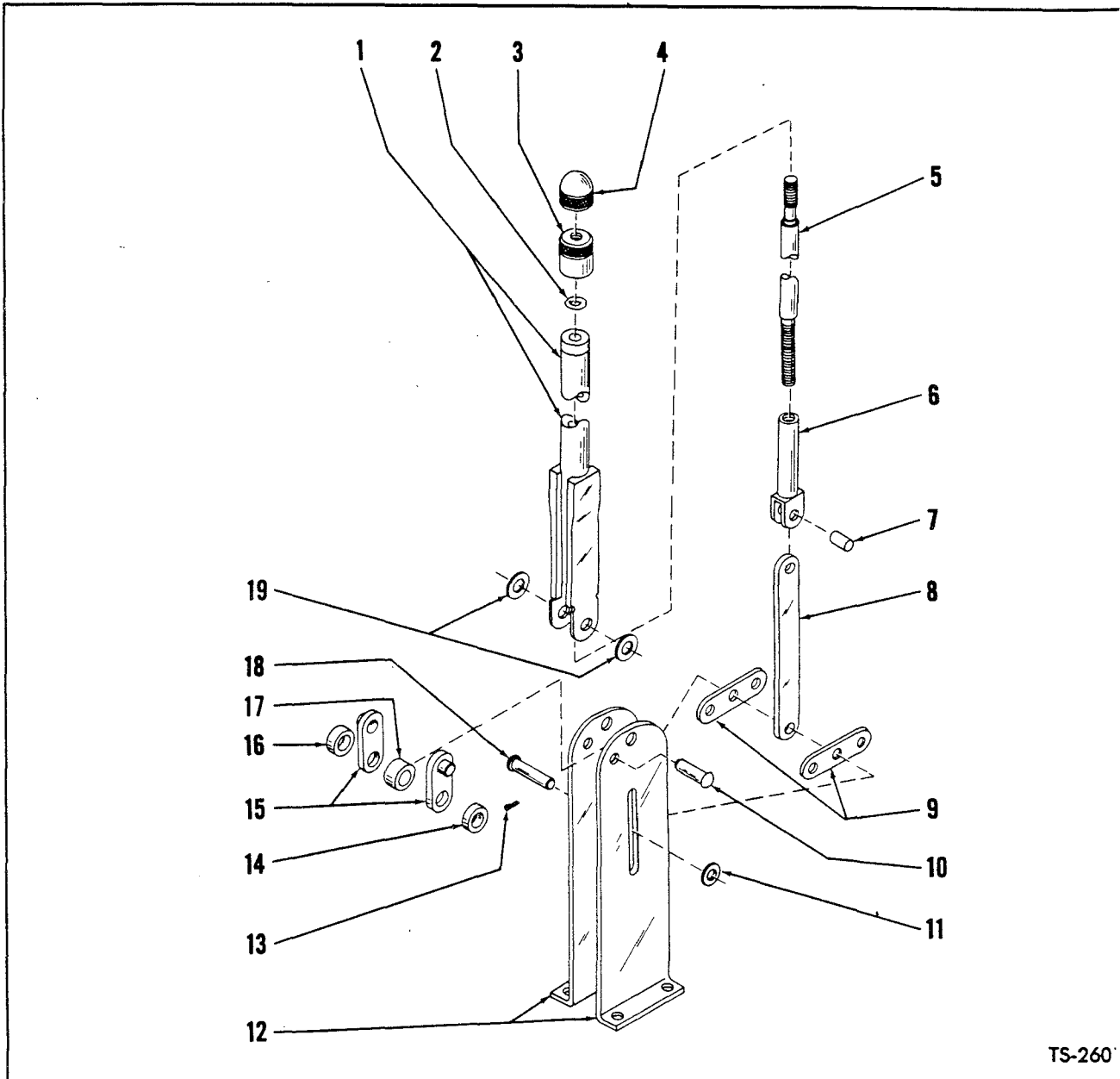
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



PARKING BRAKE CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-524	BOLT, Lever to Frame	4	17		CABLE, Parking Brake — L.H.	
1A	2D-05	NUT, Lever to Frame	4	17A	551688	For Model 75A & 75B	1
1B	4E-05	LKWSHR, Lever to Frame	4	17B	551745	For Model 75R	1
2		LEVER, Parking Brake (See Index)	1	18	551696	RETAINER, Cable	1
3	619016	WASHER, Clevis Pin	2	19	551837	BRACKET, Cable to Frame	1
4	4F-04051	PIN, Cable to Lever	2	20	2C-616	BOLT, Bracket to Frame	2
5	1F-208	COTTER, Cable to Lever	2	21	551834	CLIP, Cable to Bracket	1
6	4F-06106	PIN, Clevis to Brake Lever	1	22	2D-06	NUT, Clip to Bracket	1
7	1F-312	COTTER, Clevis Pin	1	23	4E-06	LKWSHR, Clip to Bracket	1
8	8D-06	NUT, Clevis Jam	1	24	2C-610	BOLT, Clip to Bracket	1
9	104645	BRACKET, Cable	1	25	104645	BRACKET, Cable	1
10	4E-05	LKWSHR, Cable Bracket	2	26	8D-06	NUT, Clevis Jam	1
11	1C-510	BOLT, Cable Bracket	2	27	2J-6208	CLEVIS, Cable to Brake	1
12	2C-616	BOLT, Cable Clip	1	28	4F-06106	PIN, Clevis to Brake Lever	1
13	551834	CLIP, Cable	1	29	1F-312	COTTER, Clevis Pin	1
14	4E-06	LKWSHR, Cable Clip	1	30	1C-510	BOLT, Cable Bracket	2
15	2D-06	NUT, Cable Clip	1	30A	4E-05	LKWSHR, Cable Bracket	2
16		CABLE, Parking Brake — R.H.		31	2D-06	NUT, Bracket to Frame	2
16A	551689	For Model 75A & 75B	1	31A	4E-06	LKWSHR, Bracket to Frame	2
16B	551746	For Model 75R	1				

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



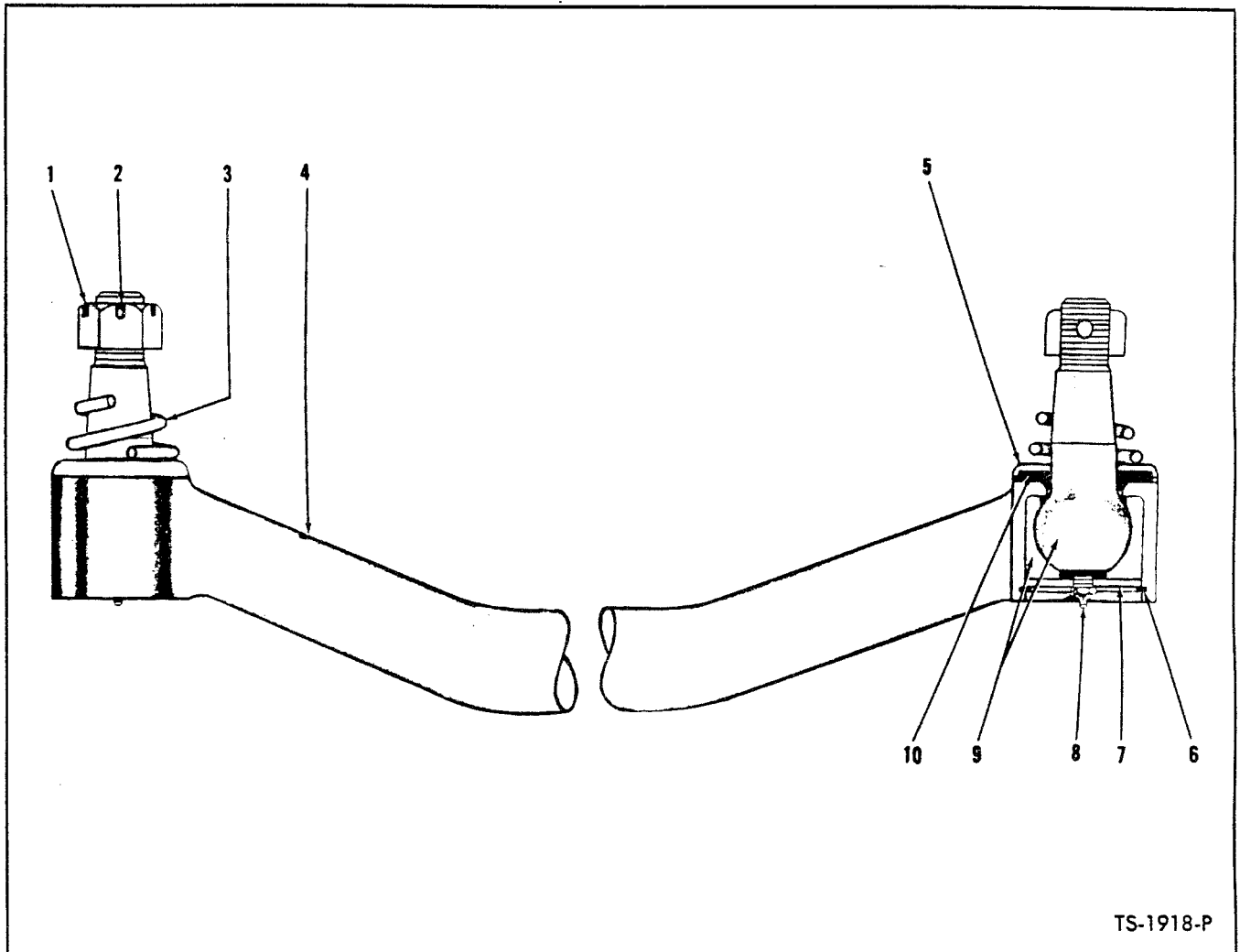
TS-260

PARKING BRAKE LEVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description
A	551742	LEVER ASSY (Inc. 1 thru 19)	1	12		BRACKET, Mounting
1	941232	BODY, Lever	1	12A	946091	RIGHT HAND
2	946163	WASHER, Base to Body	1	12B	941235	LEFT HAND
3	949370	BASE, Adjusting Knob (Inc. 4)	1	13	1F-312	COTTER, Clevis Pin
4	—	§CAP, Adjusting Knob - See 3	1	14	941234	SPACER
5	941237	ROD, Adjusting	1	15	862653	BRACKET, Pivot
6	862648	TUBE, Adjusting	1	16	941234	SPACER
7	941238	PIN, Tube to Link	1	17	603985	SPACER
8	862652	LINK, Body to Bracket	1	18	862738	PIN, Clevis
9	941236	LINK, Equalizer	2	19	25E-18	WASHER, Mounting
10	—	§RIVET - See A	1			
11	25E-15	WASHER, Clevis Pin	1			

§ Not Sold Separately

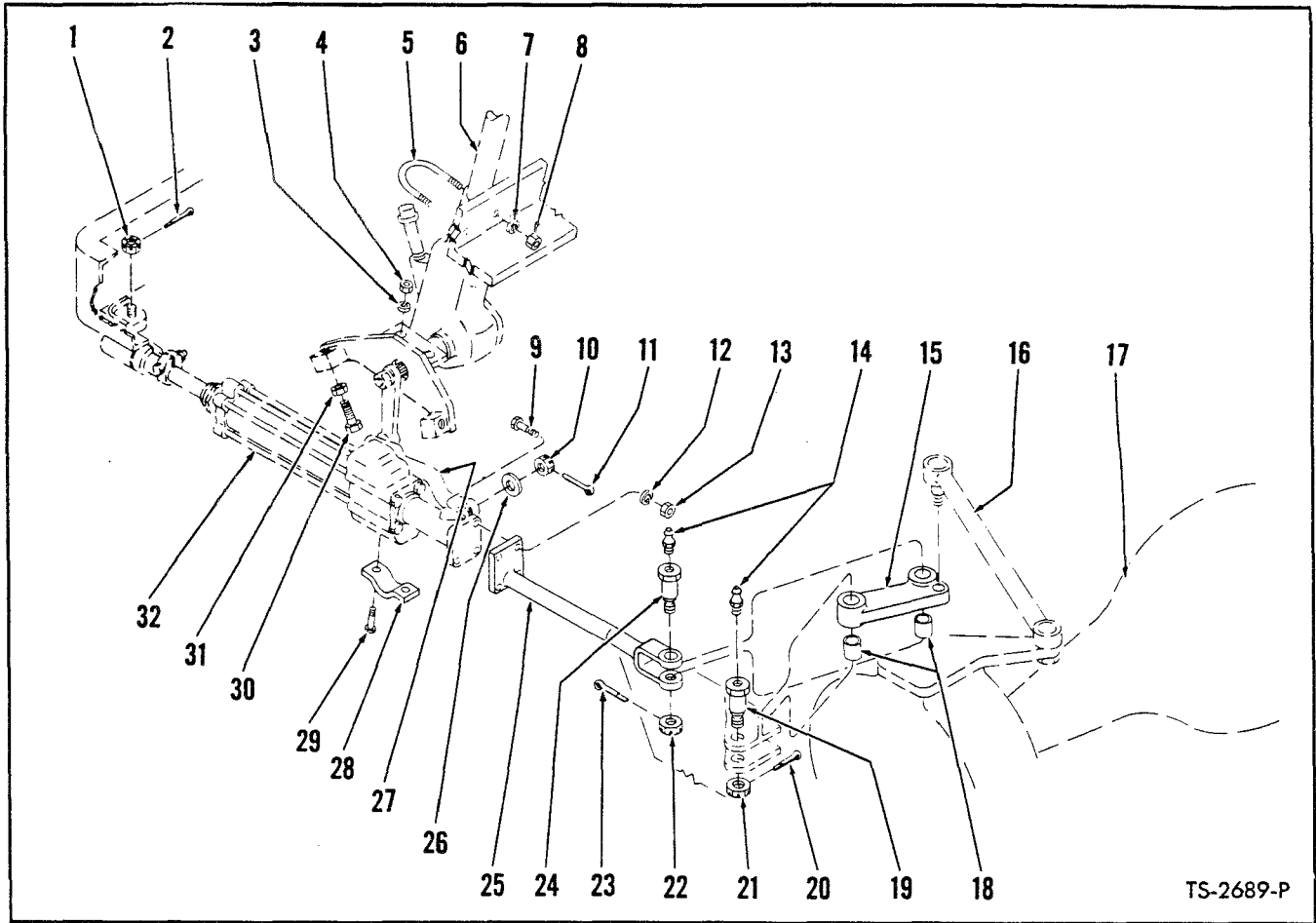
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TIE ROD ASSEMBLY – MODEL 75A

Item No.	Part No.	Description	No. Req'd.
1	4D-12	NUT, Ball Stud	2
2	1F-426	COTTER, Ball Stud Nut	2
3	106268	SPRING	2
4	525857	TIE ROD ASSY (Inc. 6 thru 9)	1
5	106138	RETAINER, Felt Washer	2
6	507695	RING, Ball Stud Retaining	2
7	815841	PLATE, Ball Stud Retaining	2
8	10H-25	FITTING, Ball Stud Grease	2
9	117228	BALL STUD	2
10	106137	WASHER, Felt	2

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

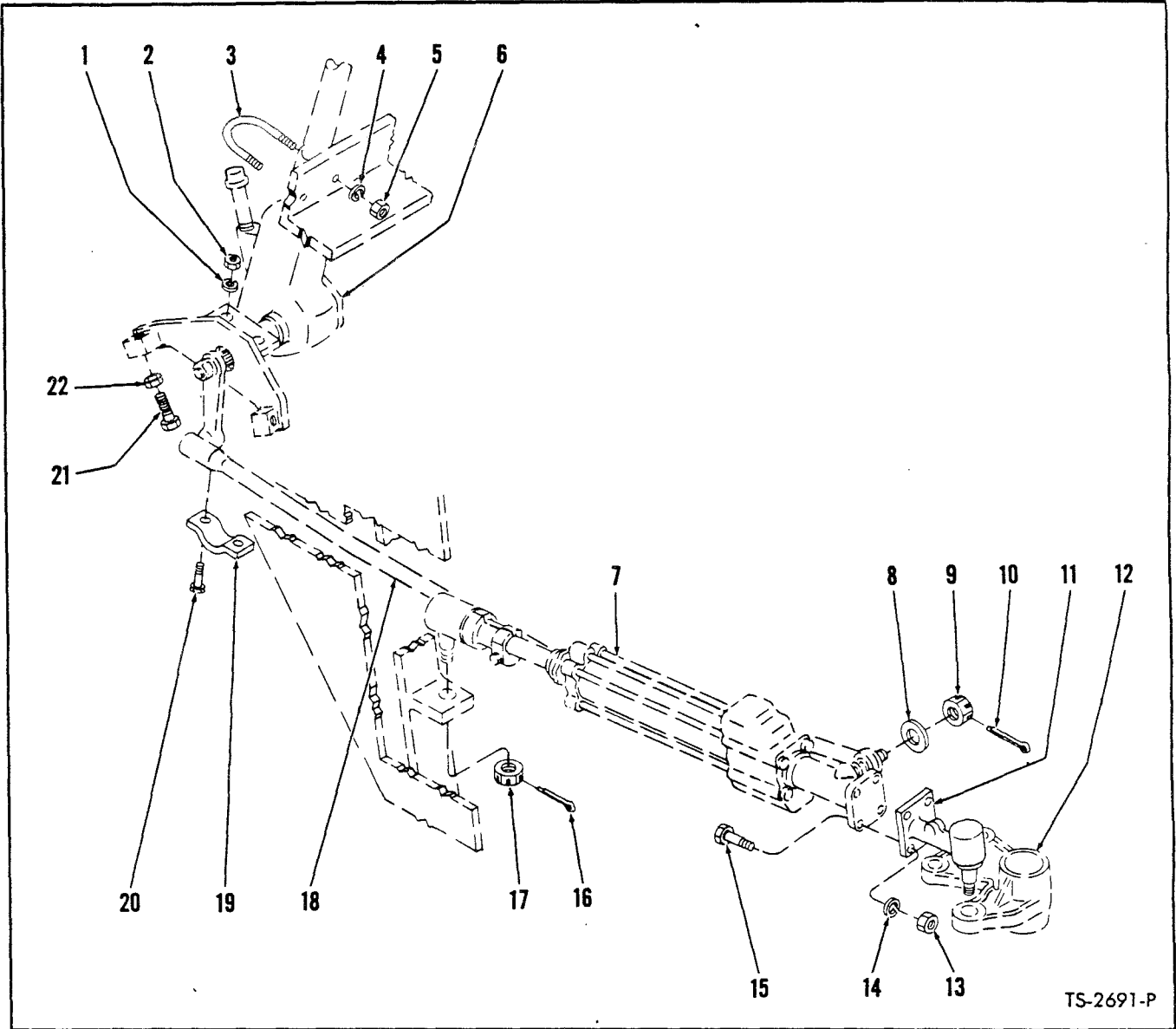


TS-2689-P

STEERING LINKAGE GROUP — MODEL 75A

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	868980	NUT, Booster to Frame	1	17	-----	REAR DRIVE STEER AXLE—(See Index)	—
2	1F-428	COTTER, Booster to Frame Nut	1	18	550601	BUSHING, Bell Crank	2
3	4E-08	LKWSHR, Steering Gear Clamp	2	19	550602	PIN, Bell Crank to Frame	1
4	2D-08	NUT, Steering Gear Clamp	2	20	1F-424	COTTER, Pin Retaining Nut	1
5	545941	U-BOLT, Steering Gear to Frame.....	1	21	617863	NUT, Pin Retaining	1
6	-----	STEERING GEAR — (See Index)	—	22	617863	NUT, Pin Retaining	1
7	4E-08	LKWSHR, U-Bolt	2	23	1F-424	COTTER, Pin Retaining Nut	1
8	2D-08	NUT, U-Bolt	2	24	550602	PIN, Adapter to Bell Crank	1
9	2C-832	BOLT, Adapter to Booster	4	25	543326	PUSH ROD, Steering Booster	1
10	868980	NUT, Drag Link to Booster	1	26	25E-29	WASHER, Drag Link to Booster	1
11	1F-428	COTTER, Drag Link to Booster Nut ...	1	27	-----	DRAG LINK — (See Index)	—
12	4E-08	LKWSHR, Adapter to Booster	4	28	550044	CLAMP, Steering Gear	1
13	2D-08	NUT, Adapter to Booster	4	29	2C-836	BOLT, Clamp to Frame	2
14	10H-25	FITTING, Pin Grease	2	30	2C-1028	BOLT, Steering Stop	2
15	550600	BELL CRANK ASSY (Inc. 18)	1	31	8D-10	NUT, Steering Stop	2
16	-----	PUSH ROD ASSY — (See Index)	—	32	-----	STEERING BOOSTER — (See Index)....	—

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

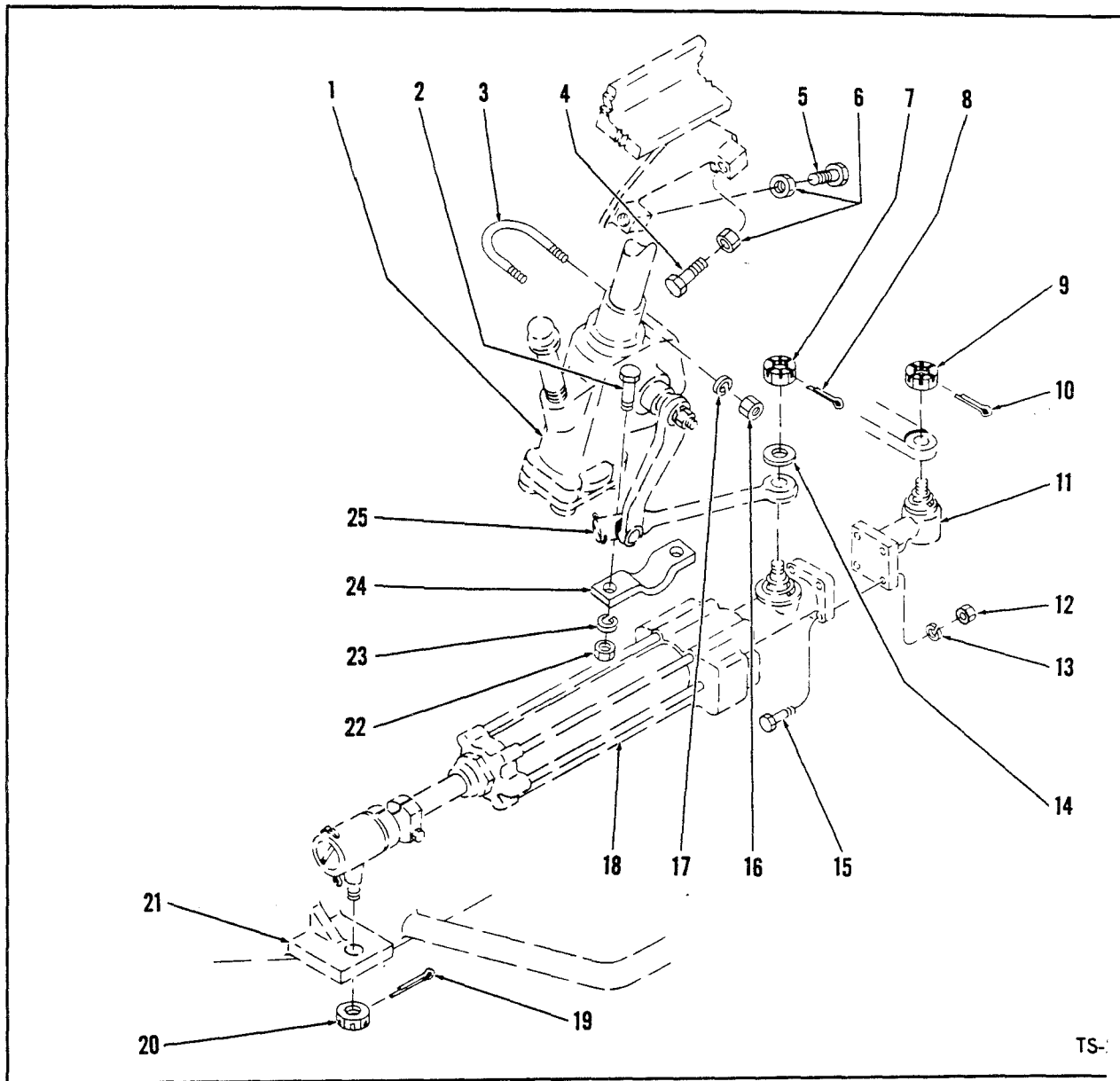


TS-2691-P

STEERING LINKAGE GROUP – MODEL 75B

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	4E-08	LKWSHR, Clamp to Frame	2	12	—	STEERING SPIDER – (See Index)	—
2	2D-08	NUT, Clamp to Frame	2	13	2D-08	NUT, Adapter to Booster	4
3	545941	U-Bolt, Steering Gear	1	14	4E-08	LKWSHR, Adapter to Booster	4
4	4E-08	LKWSHR, U-Bolt	2	15	2C-832	BOLT, Adapter to Booster	4
5	2D-08	NUT, U-Bolt	2	16	1F-428	COTTER, Booster to Frame Nut	1
6	—	STEERING GEAR – (See Index)	—	17	868980	NUT, Booster to Frame	1
7	—	STEERING BOOSTER – (See Index)	—	18	—	DRAG LINK – (See Index)	—
8	25E-29	WASHER, Drag Link to Booster	1	19	550044	CLAMP, Steering Gear	1
9	868980	NUT, Drag Link to Booster	1	20	2C-832	BOLT, Clamp to Frame	2
10	1F-428	COTTER, Drag Link to Booster Nut	1	21	2C-1028	BOLT, Stering Stop	2
11	—	ADAPTER, Steering Booster – (See Index)	—	22	8D-10	NUT, Steering Stop	2

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

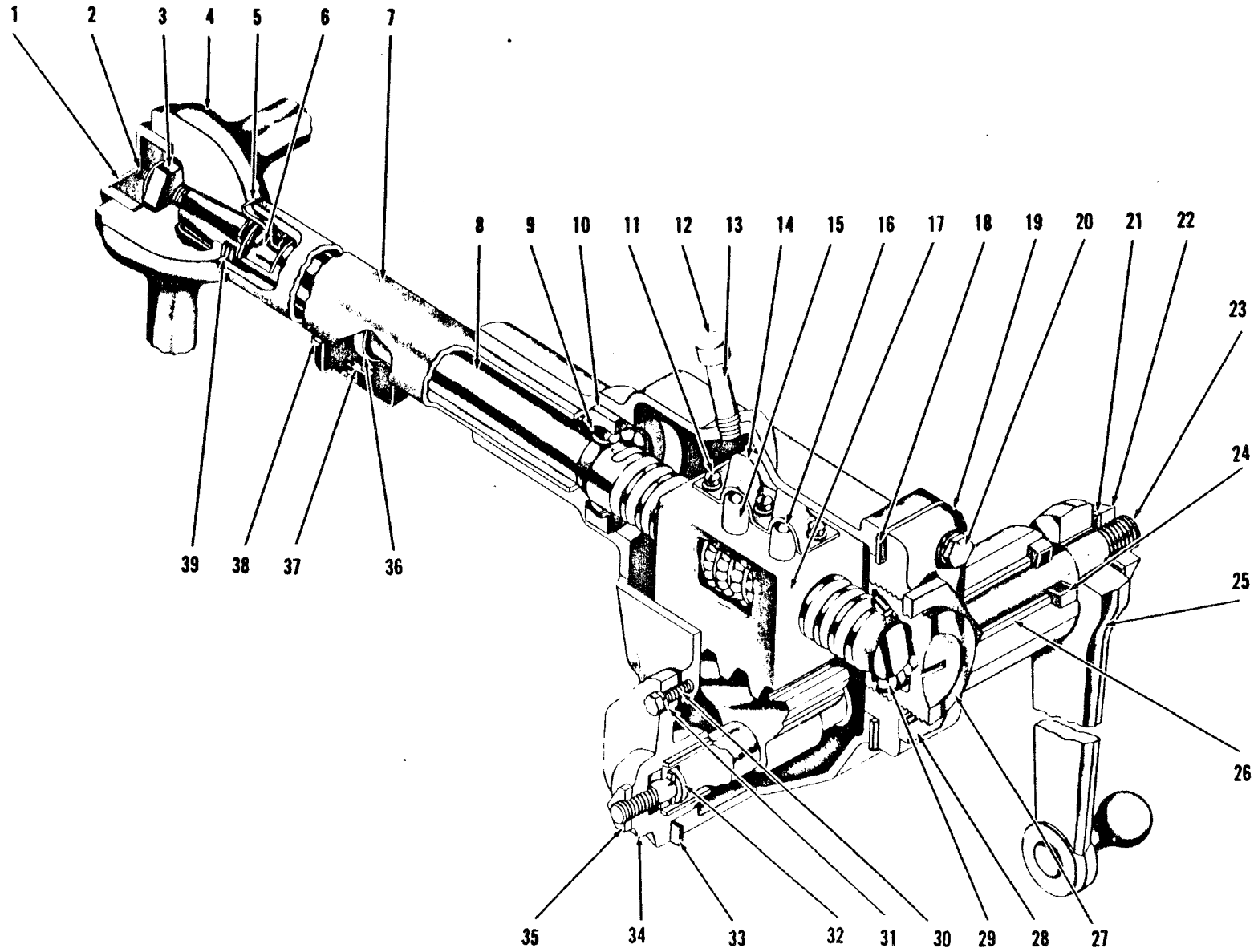


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STEERING LINKAGE GROUP - 75R

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description
1	—	STEERING GEAR — (See Index)	—	12	2D-08	NUT, Adapter to Booster
2	2C-832	BOLT, Clamp Attaching	2	13	4E-08	LKWSHR, Adapter to Booster
3	545941	U-BOLT, Steering Gear to Frame	2	14	25E-29	WASHER, Drag Link to Booster
4	2C-1028	BOLT, Steering Stop	1	15	2C-832	BOLT, Adapter to Booster
5	2C-1032	BOLT, Steering Stop	1	16	2D-08	NUT, U-Bolt
6	8D-10	NUT, Steering Stop Bolt Jam	2	17	4E-08	LKWSHR, U-Bolt
7	868980	NUT, Drag Link to Booster	1	18	—	STEERING BOOSTER — (See Index)
8	1F-428	COTTER, Drag Link to Booster Nut	1	19	1F-428	COTTER, Booster to Axle Nut
9	4D-10	NUT, Adapter to Steering Arm	1	20	868980	NUT, Booster to Axle
10	1F-424	COTTER, Adapter to Steering Arm Nut	1	21	—	FRONT STEER AXLE — (See Index)
11	—	ADAPTER, Steering Booster — (See Index)	—	22	2D-08	NUT, Clamp Attaching
				23	4E-08	LKWSHR, Clamp Attaching
				24	550044	CLAMP, Steering Gear
				25	—	DRAG LINK — (See Index)

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



STEERING GEAR ASSEMBLY

TS-1282-P



CONSTRUCTION MACHINERY DIVISION

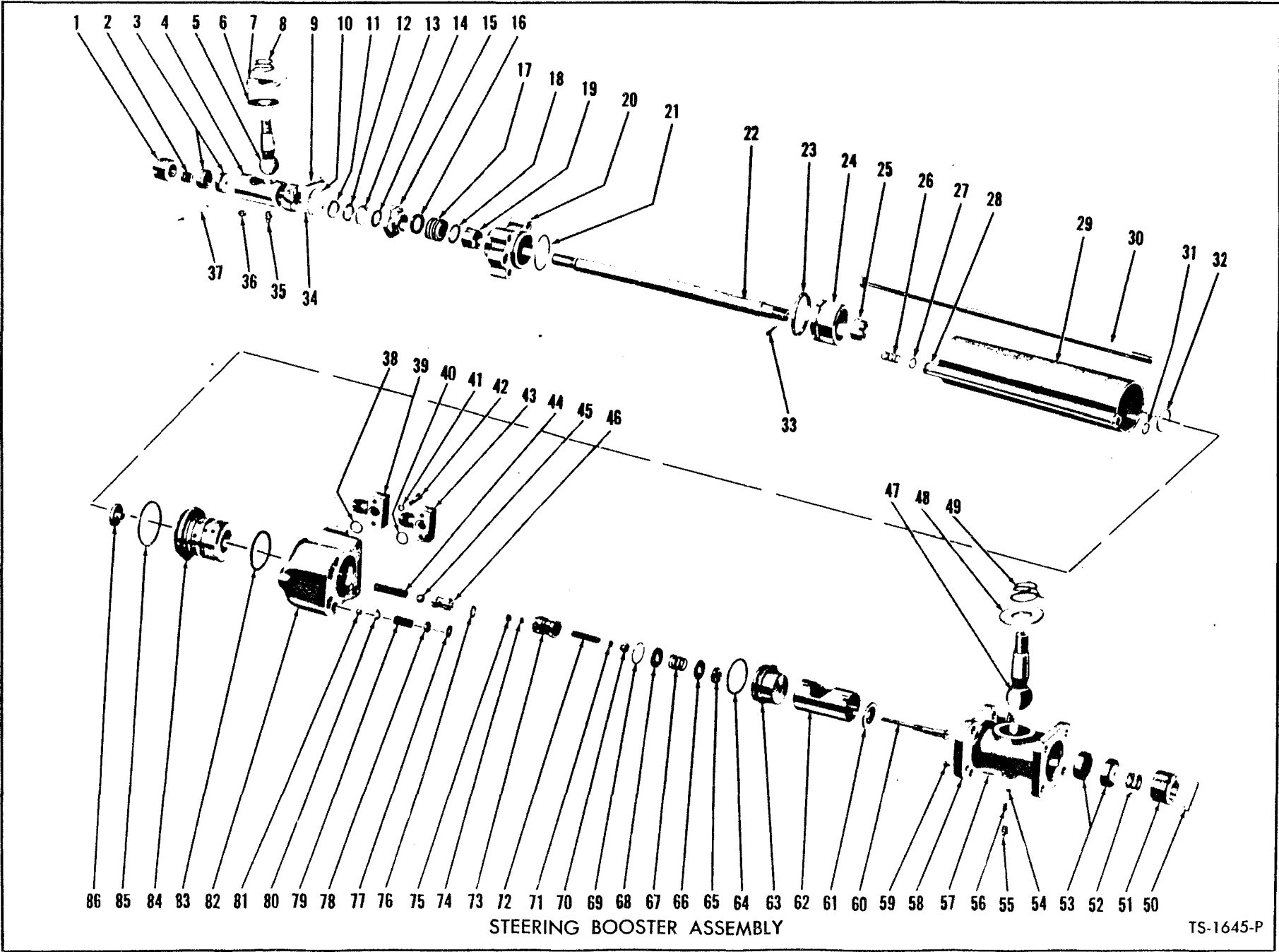


STEERING GEAR ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	940109	GEAR ASSY (Inc. 2, 5 thru 24, 26 thru 36, 39, 40)	1	24	853391	SEAL, Pitman Shaft Grease	1
1	639796	BUTTON ASSY, Horn	1	25		ARM, Pitman	
2	853368	TERMINAL, Horn	1	25A	940114	For Model 75A	1
3	648304	NUT, Steering Wheel	1	25B	940125	For Model 75B	1
4	1508704	WHEEL, Steering	1	25C	940127	For Model 75R	1
5	853394	SEAT, Upper Bearing Spring	1	26	853357	BUSHING, Pitman Shaft	2
6	857729	BEARING, Upper	1	27	853372	ADJUSTER, Worm Bearing	1
7	940112	HOUSING ASSY (Inc. 10, 26)	1	28	853385	NUT, Worm Bearing Adjuster Lock	1
8	940122	SHAFT ASSY (Inc. 2, 8A, 9, 11, 14, 15, 16, 17, 36)	1	29	853373	BEARING, Worm Thrust	1
8A	940123	SHAFT	1	30	1C-612	BOLT, Side Cover	3
9	853373	BEARING, Worm Thrust	1	31	2E-06	LKWSHR, Side Cover	3
10	853379	CUP, Worm Thrust Bearing	1	32	851770	ADJUSTER, Lash	1
11	851762	BOLT ASSY (Inc. Washer)	3	32A	853187	†SHIM KIT, Lash Adjuster	1
12	22F-4	CAP, Filler	1	33	851756	GASKET, Side Cover	1
13	5K-432	NIPPLE, Filler Extension	1	34	853182	COVER, Housing Side (Inc. Bushing)	1
14	853464	CLAMP, Ball Return Guide	1	35	8D-07	NUT, Lash Adjuster	1
15	853412	GUIDE, Ball Return	4	36	940115	CONTACT, Horn Cable	1
16	10J-09	BALL	106	37	622026	CONNECTOR, Horn Cable	1
17	853408	BALL NUT	1	37A	622028	†COVER, Horn Cable Connector	1
18	853380	GASKET, End Cover	1	37B	622027	†SCREW, Horn Connector	1
19	853376	COVER, Housing End	1	37C	518346	†GASKET, Horn Connector	1
20	1C-718	BOLT, End Cover — Short	3	38	3G-1003	SCREW, Horn Cover	2
20A	1C-726	BOLT, End Cover — Long	1	38A	17E-10	†LKWSHR, Horn Cover	2
20B	3E-07	LKWSHR, End Cover	4	39	853395	SPRING, Upper Bearing	1
21	4E-18	LKWSHR, Pitman Arm	1	40	853384	†KEY, Steering Wheel	1
22	850756	NUT, Pitman Arm	1	41	695930	†SCREW, Horn Button	4
23	940111	GEAR, Pitman Shaft	1	42	940119	†SPACER, Lock Block	1
				43	940120	†BLOCK, Adjusting Nut Lock	1

†Not Illustrated

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



STEERING BOOSTER ASSEMBLY

TS-1645-P

STEERING BOOSTER ASSEMBLY

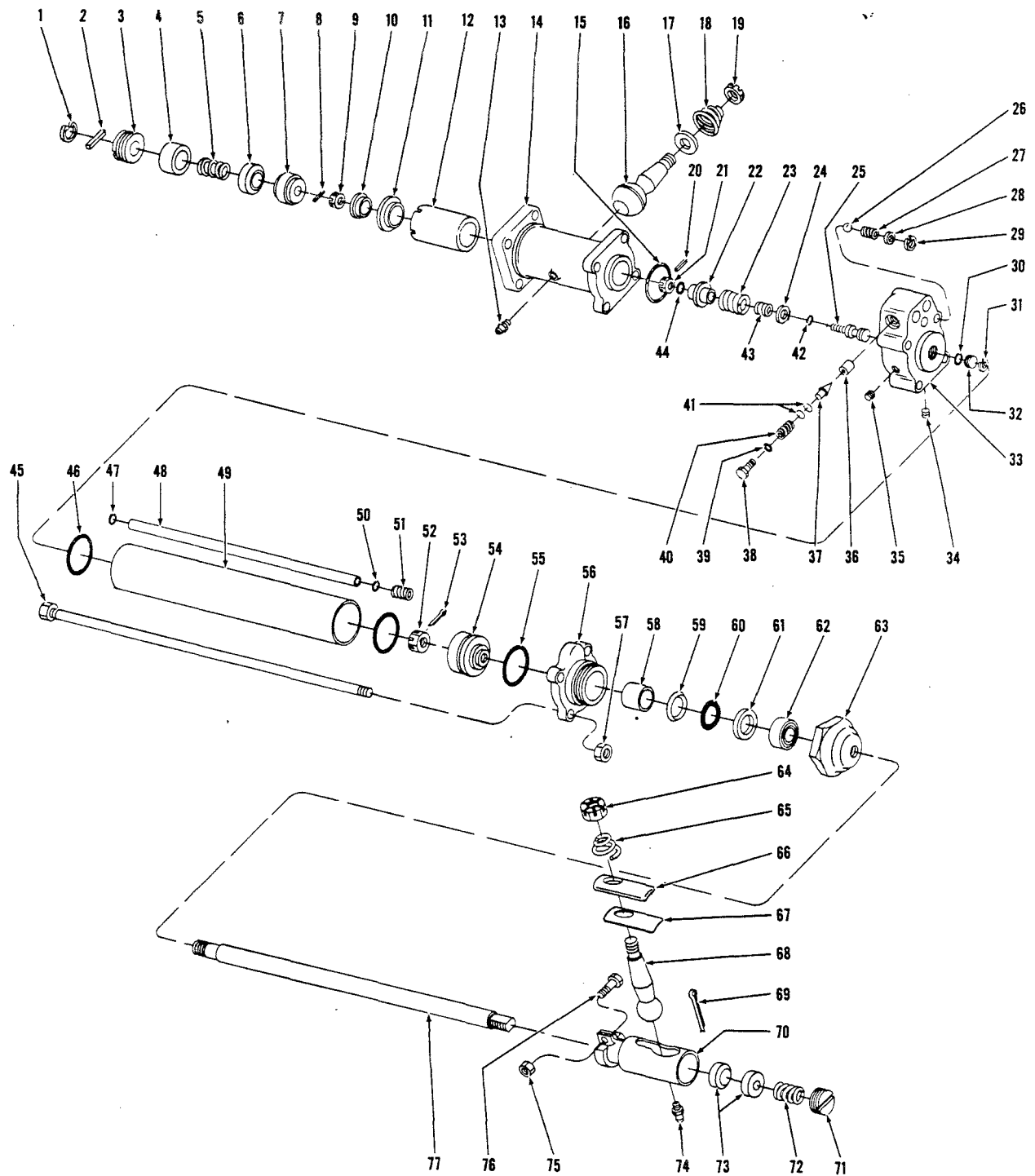
**For Serial: 75A - 8123 thru 8768
75B - 6123 thru 6144
75R - 7123 thru 7141**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	550596	* STEERING BOOSTER ASSY	1	46	858270	SEAT, Ball Check	1
1	858302	PLUG, Housing	1	47	858236	BALL STUD	1
2	872844	SPRING, Housing Seat Pressure	1	48	858291	COVER	1
3	858226	SEAT, Housing	1	49	940148	SPRING	1
4	858227	HOUSING	1	50	858295	KEY, Plug	1
5	858236	BALL STUD	1	51	858294	PLUG	1
6	858235	COVER	1	52	872844	SPRING, Housing Seat	1
7	858234	SHIELD	1	53	858226	SEAT, Housing	1
8	868981	SPRING, Shield	1	54	858298	PAD	1
9	858237	SCREW, Set	1	55	10H-2	FITTING, Grease	1
10	858232	PLATE, Retainer	1	56	858299	SPRING	1
11	858238	SPRING	1	57	17G-416	SETSCREW	1
12	858239	WIPER, Leather	1	58	858293	BODY	1
13	858240	SPACER	1	59	858296	NUT, Setscrew	1
14	858241	WIPER, Felt	1	60	858290	STEM	1
15	858242	RETAINER	1	61	858289	PLATE, End	1
16	858243	ADAPTER, Upper	1	62	858288	SLEEVE	1
17	858244	PACKING	6	63	858287	RETAINER	1
18	858245	ADAPTER, Lower	1	64	25K-40204	"O" RING, Packing	1
19	858246	BUSHING, Cap	1	65	858286	SEAL, Oil	1
20	858247	CAP	1	66	858284	GUIDE	1
21	25K-40216	"O" RING	2	67	858285	SPRING	1
22	858249	ROD	1	68	858284	GUIDE	1
23	858251	RING, Retaining	1	69	713133	RING, Snap	1
24	868996	PISTON	1	70	858282	NUT	1
25	4D-14	NUT	1	71	858281	WASHER	1
26	858254	SPRING	1	72	858280	SPRING	1
27	25K-30018	"O" RING	2	73	858279	SPOOL	1
28	858256	TUBE, Cylinder	1	74	858278	WASHER	1
29	858257	CYLINDER, Booster Assy	1	75	858277	NUT	1
30	940146	BOLT	1	76	25K-30016	"O" RING	1
31	25K-30018	"O" RING	2	77	25K-30016	"O" RING	1
32	858259	RING, Snap	1	78	858268	GUIDE	1
33	1F-424	COTTER	1	79	858267	SPRING	1
34	858264	SCREW	4	80	858266	GUIDE	1
35	10H-2	FITTING, Grease	1	81	10J-12	BALL	1
36	18D-06	NUT	1	82	858263	HEAD	1
37	1F-848	COTTER	1	83	25K-40204	"O" RING	1
38	25K-30020	"O" RING	1	84	867585	SLEEVE	1
39	862257	FLANGE	1	85	25K-40216	"O" RING	1
40	25K-30020	"O" RING	1	86	858260	CAP	1
41	858274	WASHER	4	87	940149	†WASHER	1
42	858273	SCREW	4	88	940128	†‡ATTACHING KIT (Inc. 6, 7, 8, 38, 40, 41, 42, 48, 49, 87)	1
43	862257	FLANGE	1	89	940079	†‡REPAIR KIT (Inc. 15, 16, 17, 31, 38, 40, 65, 76, 77, 85)	1
44	858272	SPRING, Check Ball	1	90	868980	†NUT, Ball Stud	1
45	858271	BALL, Check	1				

*NOTE: For complete replacement of 550596 Booster use 541541 Booster plus 1-517089 Fitting, 1-31F-4 Fitting, 1-661564 Adapter Union & 1-91F-6 O-Ring.

†Not Illustrated
‡As Required

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



STEERING BOOSTER ASSEMBLY

TS-2769-P

STEERING BOOSTER ASSEMBLY

**For Serial: 75A — 8769 thru 10082, 10085 thru 10089
75B — 6145 thru 6195
75R — 7142 thru 7150**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	552944	** STEERING BOOSTER ASSY	1	49	869005	CYLINDER	1
1	867580	RING, Snap	1	50	25K-30016	"O" RING	1
2	869021	KEY	1	51	869008	SPRING	1
3	869020	PLUG	1	52	4D-14	NUT	1
4	869019	SPACER	1	53	1F-424	COTTER	1
5	869018	SPRING	1	54	868996	PISTON	1
6	869017	SEAT, Ball Stud	1	55	858251	RING, Piston	1
7	869016	SEAT, Ball Stud	1	56	868997	CAP	1
8	869015	KEY	1	57	869000	NUT	4
9	869014	NUT	1	58	664769	BUSHING, Oilite	1
10	869013	WASHER	1	59	858245	PACKING, Male	1
11	869012	RETAINER	1	60	858244	PACKING, Chevron	5
12	869011	SLEEVE	1	61	858243	PACKING, Female	1
13	10H-2	FITTING, Grease	1	62		WIPER, Felt	
14	869010	RETAINER	1	62A	858241	For Serial Group "A" Below	1
15	25K-40204	"O" RING	1	62B	870732	For Serial Group "B" Below	1
16	868982	BALL STUD	1	63		NUT, Packing	
17	858291	COVER, Dust	1	63A	941444	* For Serial Group "A" Below	1
18	868981	SPRING	1	63B	870740	For Serial Group "B" Below	1
19	868980	NUT	1	64	868980	NUT, Ball Stud	1
20	664131	PIN	1	65	868981	SPRING, Ball Stud	1
21	351927	NUT	1	66	858234	SHIELD, Ball Stud	1
22	868984	RETAINER, Spring	1	67	858235	COVER, Ball Stud Dust	1
23	940663	SPRING	1	68	858236	BALL STUD	1
24	868986	WASHER	1	69	1F-848	COTTER	1
25	875495	SPOOL KIT, Valve	1	70		HOUSING, Ball Stud	
26	10J-12	BALL	1	70A	858227	For Serial Group "A" Below	1
27	868992	SPRING	1	70B	870736	For Serial Group "B" Below	1
28	868991	WASHER	1	71	858302	PLUG	1
29	664138	RING, Snap	1	72	872844	SPRING	1
30	25K-40028	"O" RING	1	73	858226	SEAT, Ball Stud	2
31	868993	RING, Snap	1	74	10H-2	FITTING, Ball Stud Grease	1
32	868994	PLUG	1	75	18D-06	NUT	1
33	870744	VALVE BODY (Inc. 37)	1	76		SCREW	
34	16F-04	PLUG — ¼" Pipe	3	76A	858237	For Serial Group "A" Below	1
35	16F-02	PLUG — ⅛" Pipe	1	76B	870730	For Serial Group "B" Below	1
36	940666	SEAT	1	77		ROD, Piston	
37	940667	POPPET	1	77A	869004	For Serial Group "A" Below	1
38	861811	PLUG	1	77B	870739	For Serial Group "B" Below	1
39	91F-5	"O" RING	1	78	942672	††REPAIR KIT, "O" Ring (Inc. 15, 30, 39, 42, 44, 46, 47, 50)	1
40	940669	SPRING	1	79	942668	††PACKING KIT (Inc. 59, 60, 61, 62)	1
41	940668	‡SHIM	—				
42	25K-20010	"O" RING	1				
43	940664	SPRING	1				
44	25K-30020	"O" RING	1				
45	943665	KIT, Stay Bolt & Nut	4				
46	25K-40216	"O" RING	2				
47	25K-30016	"O" RING	1				
48	869007	TUBE, Oil Passage	1				

*NOTE: For replacement of 941444 use 870740 plus 1-870732.

**NOTE: For replacement of 552944 Booster use 541541 Booster plus 1-517089 Fitting, 1-31F-4 Fitting, 1-661564 Adapter Union and 1-91F-6 O-Ring.

†Not Illustrated

‡As Required

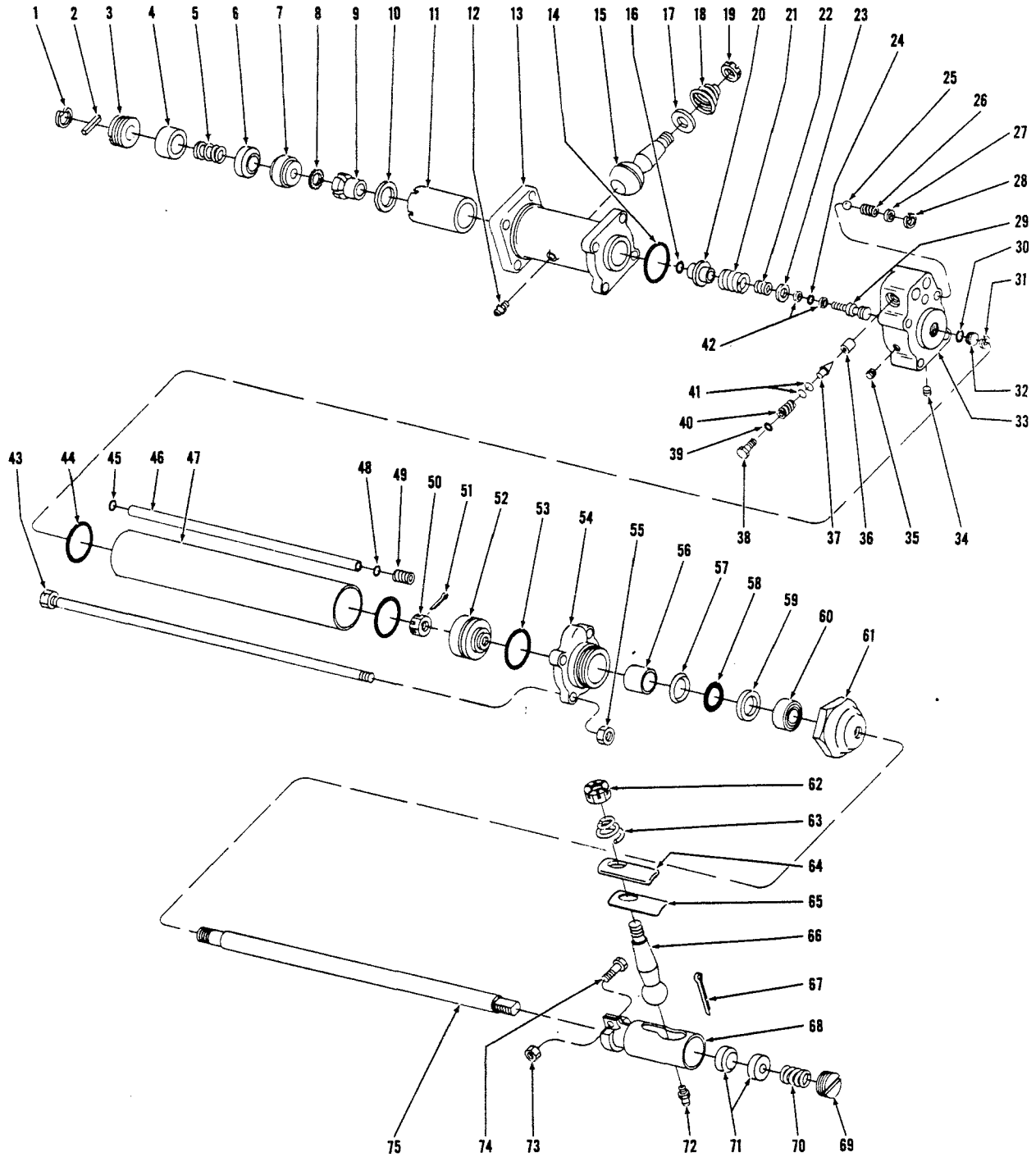
Serial Group "A":

75A — 8769 thru 9147
75B — 6145 thru 6159

Serial Group "B":

75A — 9148 thru 10082, 10085 thru 10089
75B — 6160 thru 6195
75R — 7142 thru 7150

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



STEERING BOOSTER ASSEMBLY

TS-2768-P



STEERING BOOSTER ASSEMBLY

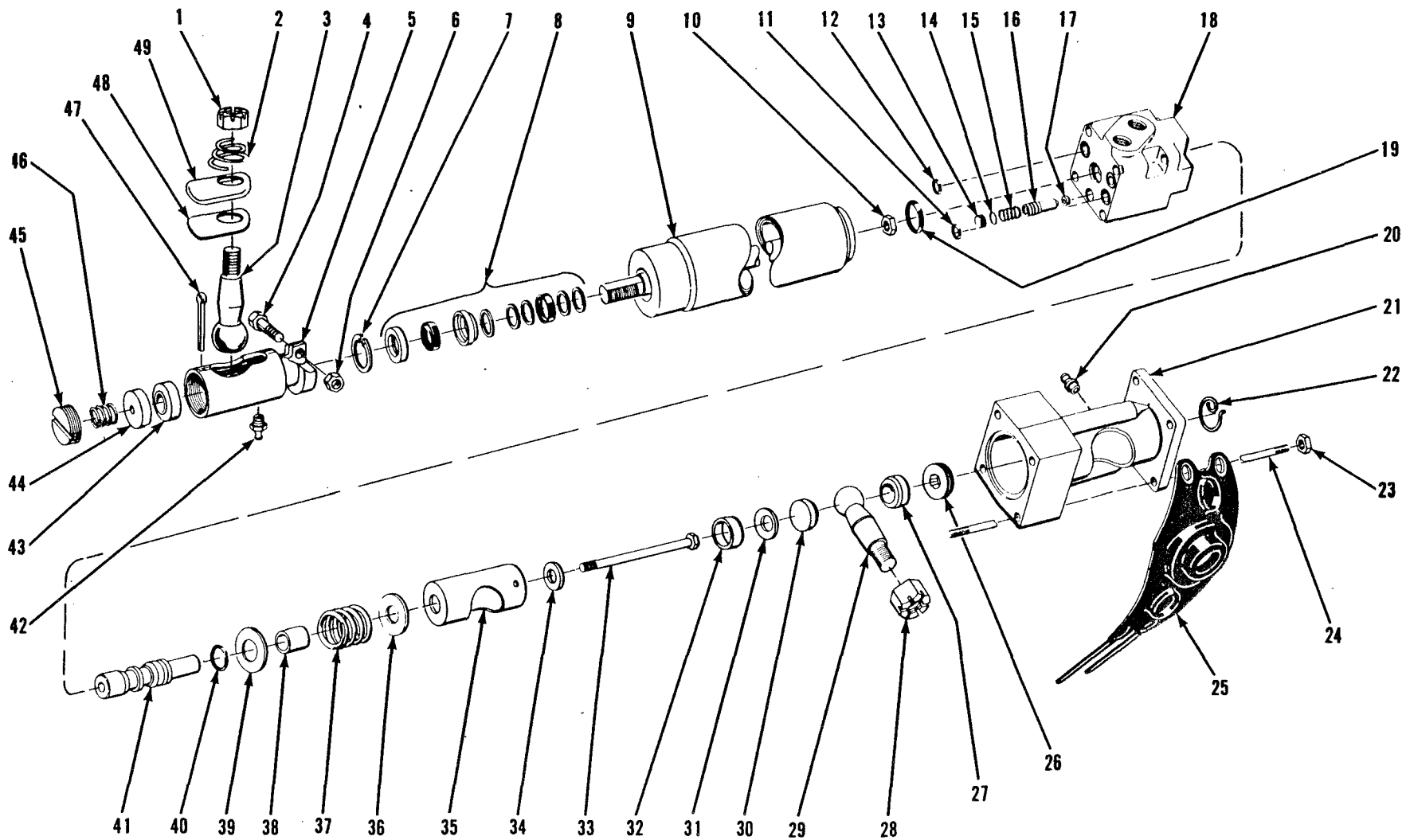
For Serial: 75A GAS - 10083, 10084, 10090 thru 12183, 1CA3170 and thereafter
75A DIESEL - 10090D thru 12183D, 1CB893 and thereafter
75B - 6196 thru 6270
75R - 7151 thru 7183

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists 77 items for the steering booster assembly, including parts like rings, springs, nuts, washers, and seals.

*NOTE: For replacement of 513228 Booster use 541541 Booster plus 1-517089 Fitting, 1-31F-4 Fitting, 1-661564 Adapter Union and 1-91F-6 O-Ring.

†Not Illustrated
‡As Required

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



114

PM 2726

STEERING BOOSTER ASSEMBLY

TS-3085



STEERING BOOSTER ASSEMBLY

This Section covers 541541 Steering Booster Assembly and revision in hydraulic piping necessary when used as replacement Booster Assembly on Models and Serial Numbers as listed below. This Booster Assembly may be identified by Vickers No. S20B22-3BAZNN11A-10-R10 stamped on nameplate thereof.

Table with 2 columns: Model (75A GAS, 75A DIESEL, 75B, 75R) and Serial Range (8123 thru 12183 and 1CA-3170 thru 1CA-3899, etc.)

The following additional parts are required when installing 541541 Steering Booster Assembly in place of previously used unit. Install parts as shown.

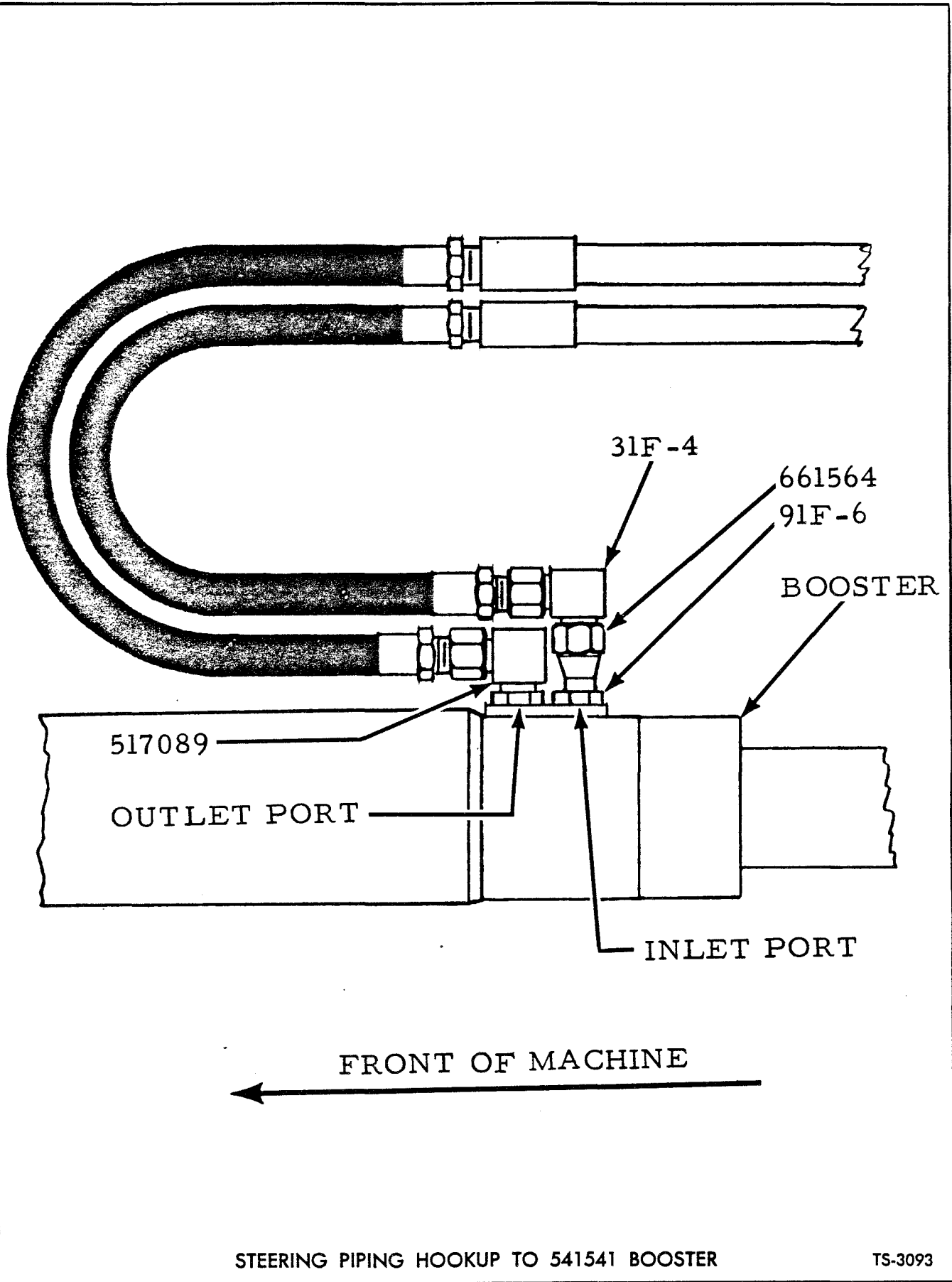
- 1 - 517089 Fitting - 90° 1 - 661564 Union Adapter (Remove from old booster)
1 - 31F-4 Fitting - 90° 1 - 91F-6 O-Ring (Renew)

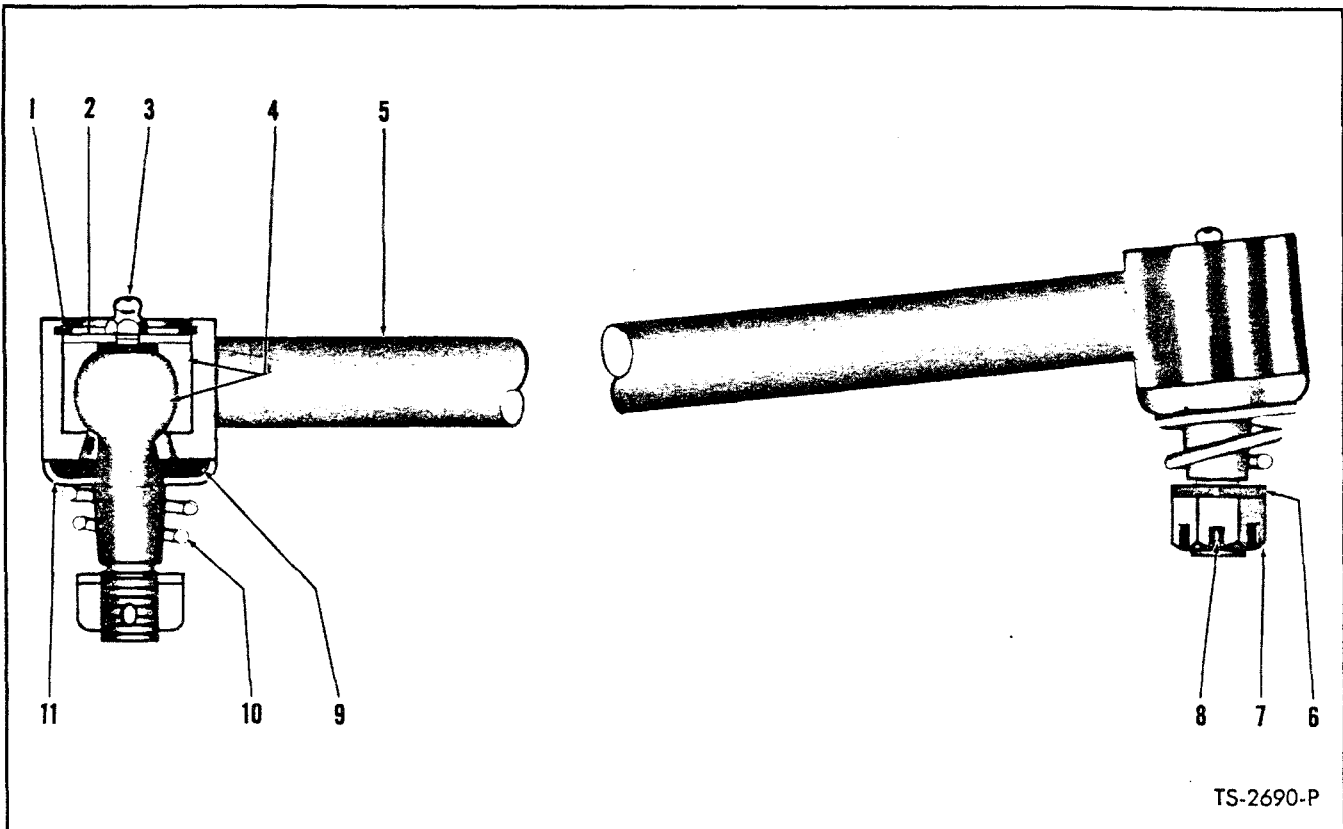
Main parts list table with columns: Item No., Part No., Description, No. Req'd. (Items 1-25 and 26-50)

§Not Sold Separately

NOTES

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





PUSH ROD ASSEMBLY – MODEL 75A

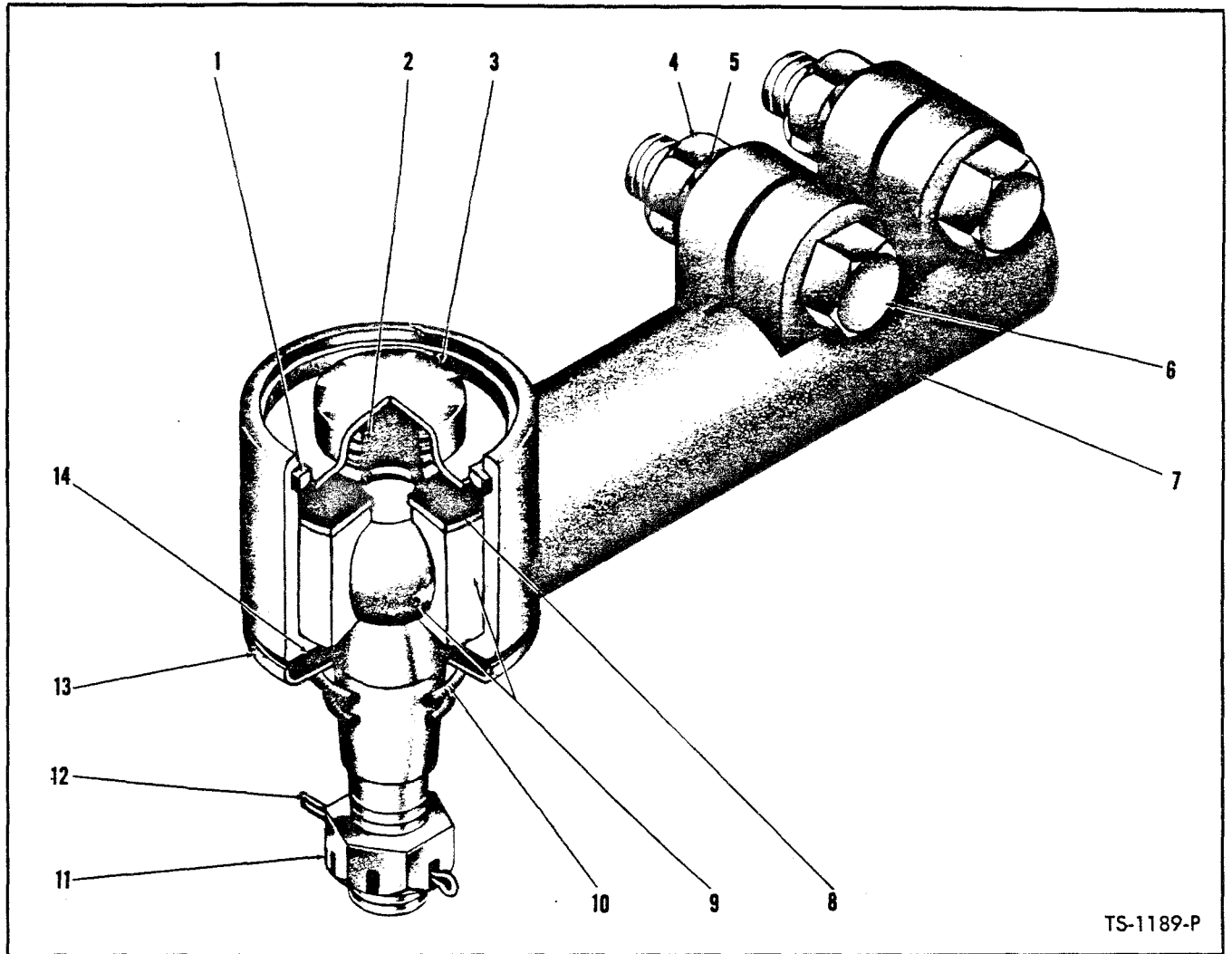
Item No.	Part No.	Description	No. Req'd.
A	525867	*PUSH ROD ASSY (Inc. 1 thru 5)	1
1	507695	RING, Plate Retaining	2
2	815841	PLATE, Ball Stud Retaining	2
3	10H-25	FITTING, Ball Stud Grease	2
4	117228	BALL STUD	2
5	-----	§ROD ONLY (See "A")	1
6	25E-27	WASHER, Ball Stud	2
7	4D-12	NUT, Ball Stud	2
8	1F-426	COTTER, Ball Stud Nut	2
9	106137	FELT WASHER, Ball Stud	2
10	106268	SPRING, Felt Retaining	2
11	106138	PLATE, Felt Washer Retaining	2

*NOTE: Machines in serial group listed below were equipped with a push rod with replaceable ends. When it becomes necessary to replace rod on these machines order item "A" above. Service parts for replaceable ends will still be furnished.

8123 thru 12045, 12048, 12049, 12050, 12054, 12059, 12060, 12062, 12064, 12066.

§Not Sold Separately

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



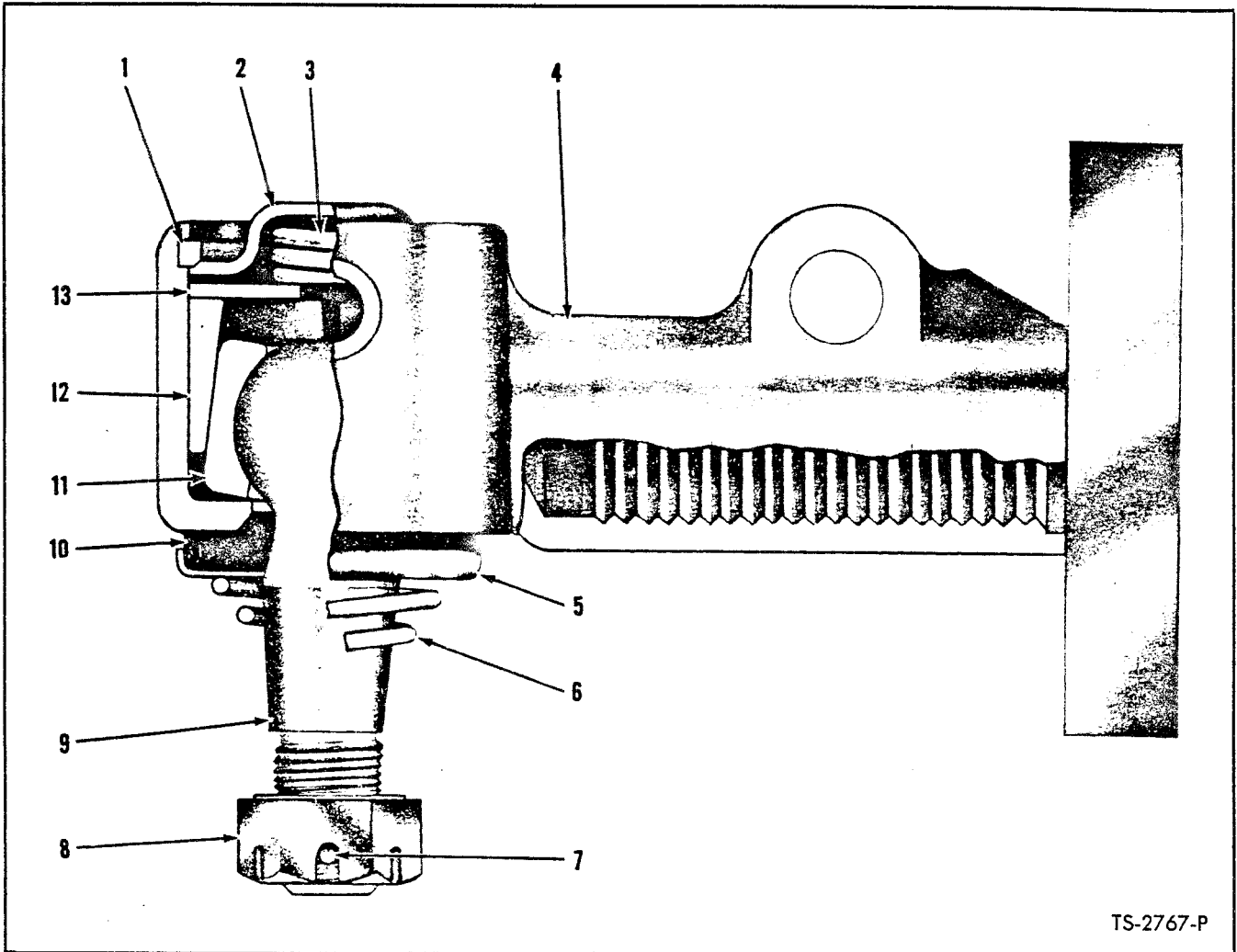
TS-1189-P

TIE ROD AND PUSH ROD END ASSEMBLY – MODELS 75A AND 75B

Item No.	Part No.	Description	No. Req'd.
A	112652	*END ASSY, Tie Rod (Inc. 1 thru 14)	4
Quantities listed below are for 1 end.			
1	106094	RING, Cap Retaining	1
2	106091	SPRING	1
3	106093	CAP, Ball Stud Retaining	1
4	2D-10	NUT, Clamping	2
5	4E-10	LKWSHR, Clamping	2
6	2C-1040	BOLT, Clamping	2
7	106113	HOUSING, Tie Rod End	1
8	106088	WASHER, Retaining	1
9	112654	BALL STUD ASSY (Inc. 11)	1
10	106268	SPRING	1
11	112174	NUT, Ball Stud	1
12	1F-426	COTTER, Ball Stud Nut	1
13	106138	RETAINER, Felt	1
14	106137	FELT	1

*NOTE: Quantity required this item for 75B is 2.

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



STEERING BOOSTER ADAPTER – MODELS 75B AND 75R

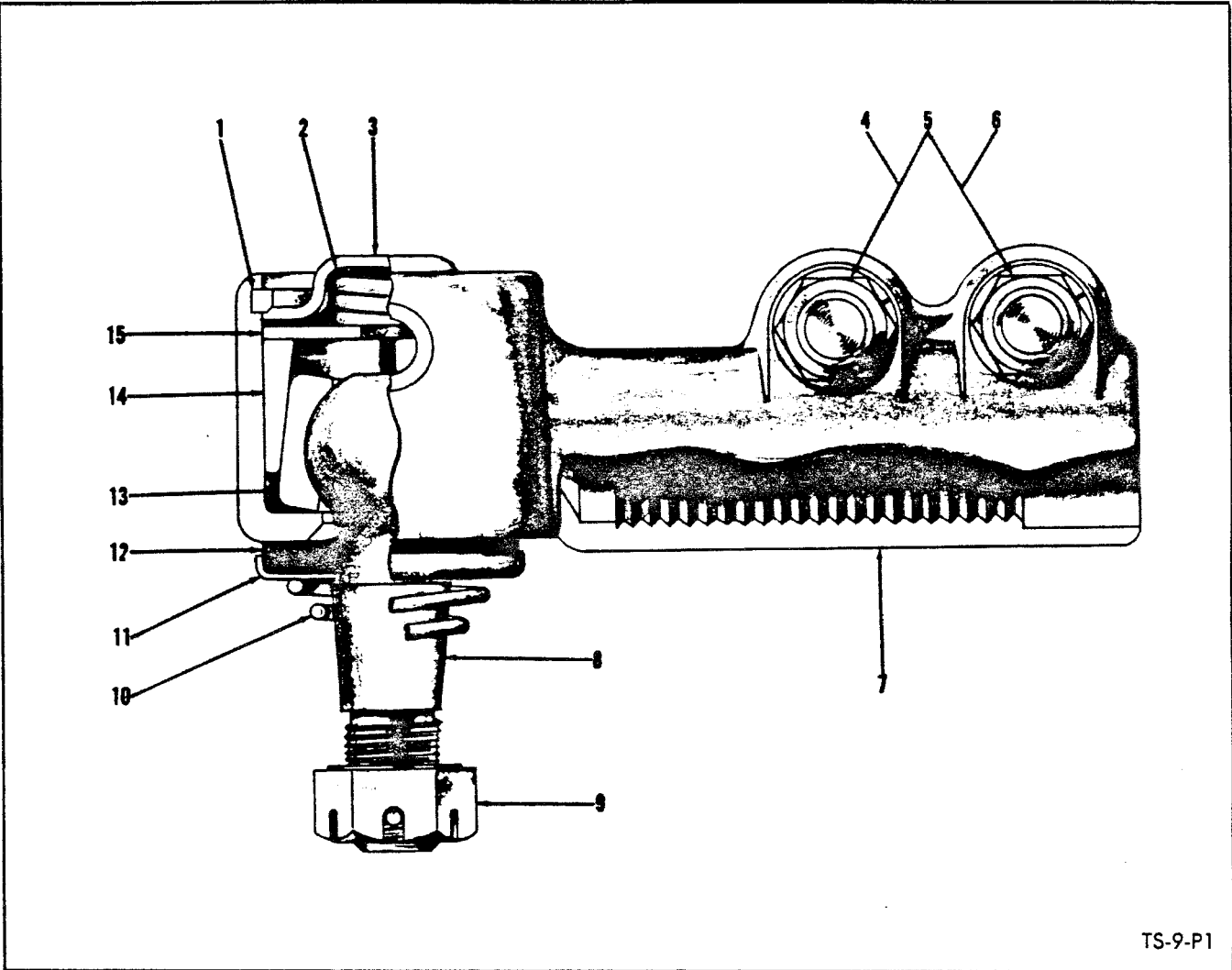
Item No.	MODEL 75B	MODEL 75R	DESCRIPTION	No. Req'd.
A	550782	550789	ADAPTER ASSY (Inc. 1 thru 13)	1
1	106094	940152	RING, Cap Retaining	1
2	106093	940154	CAP, Spring	1
3	106091	940153	SPRING	1
4	-----	-----	§HOUSING, Adapter (See A)	1
5	106138	102435	COVER, Felt	1
6	106268	102438	SPRING, Felt	1
7	1F-424	1F-424	COTTER, Ball Stud Nut	1
8	112174	4D-10	NUT, Ball Stud	1
9	*112654	940155	BALL STUD (Inc. 8)	1
10	106137	102436	FELT, Ball Stud Dust	1
11	106114	940156	SOCKET, Ball Stud	2
12	106079	940157	RETAINER, Ball Stud Socket	2
13	106088	940158	WASHER, Retainer Retaining	1
14	10H-25	10H-25	†FITTING, Ball Stud Grease	1

*NOTE: When 112654 Ball Stud and Nylon Assembly is installed on Model 75B remove and discard 106114 Socket and 106079 Retainer items 11 and 12.

†Not Illustrated

§Not Sold Separately

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

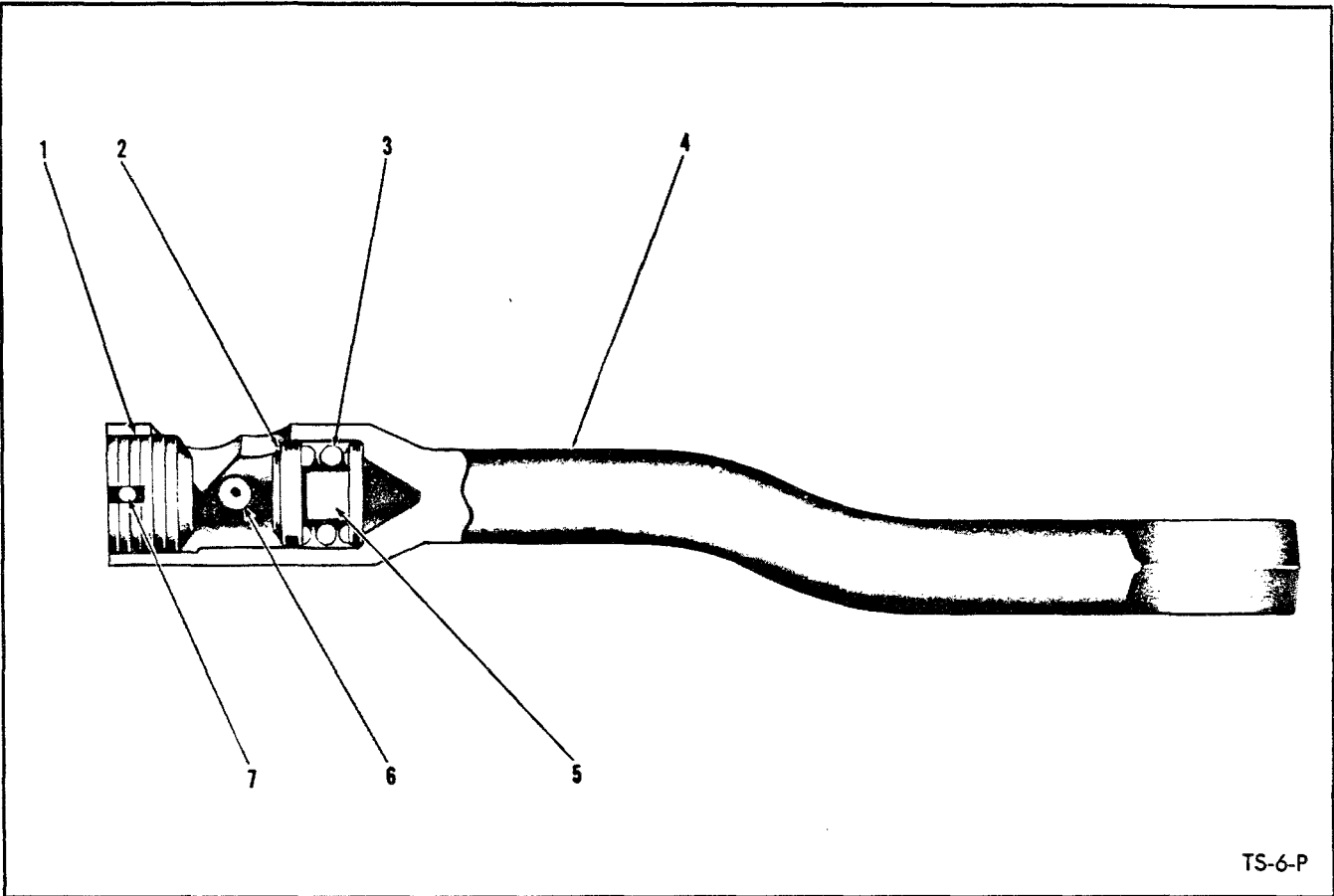


TIE ROD END ASSEMBLY – MODEL 75R

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		END ASSY, Tie Rod (Inc. 1 thru 15)		7		HOUSING, Tie Rod End	
B	106145	Right Hand	1	7A	106560	Right Hand	1
C	106146	Left Hand	1	7B	106727	Left Hand	1
Quantities listed below are for 1 end.				8	940155	BALL STUD	1
1	940152	RING, Cap Retaining	1	9	4D-10	NUT, Ball Stud	1
2	940153	SPRING	1	9A	1F-426	†COTTER, Ball Stud Nut	1
3	940154	CAP, Ball Stud Retaining	1	10	102438	SPRING	1
4	1C-832	BOLT, Clamping	2	11	102435	RETAINER, Felt	1
5	1D-08	NUT, Clamping	2	12	102436	FELT	1
6	4E-08	LKWSHR, Clamping	2	13	940156	SOCKET, Ball Stud	1
				14	940157	RETAINER, Ball Stud Socket	1
				15	940158	WASHER, Retaining	1

†Not Illustrated

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



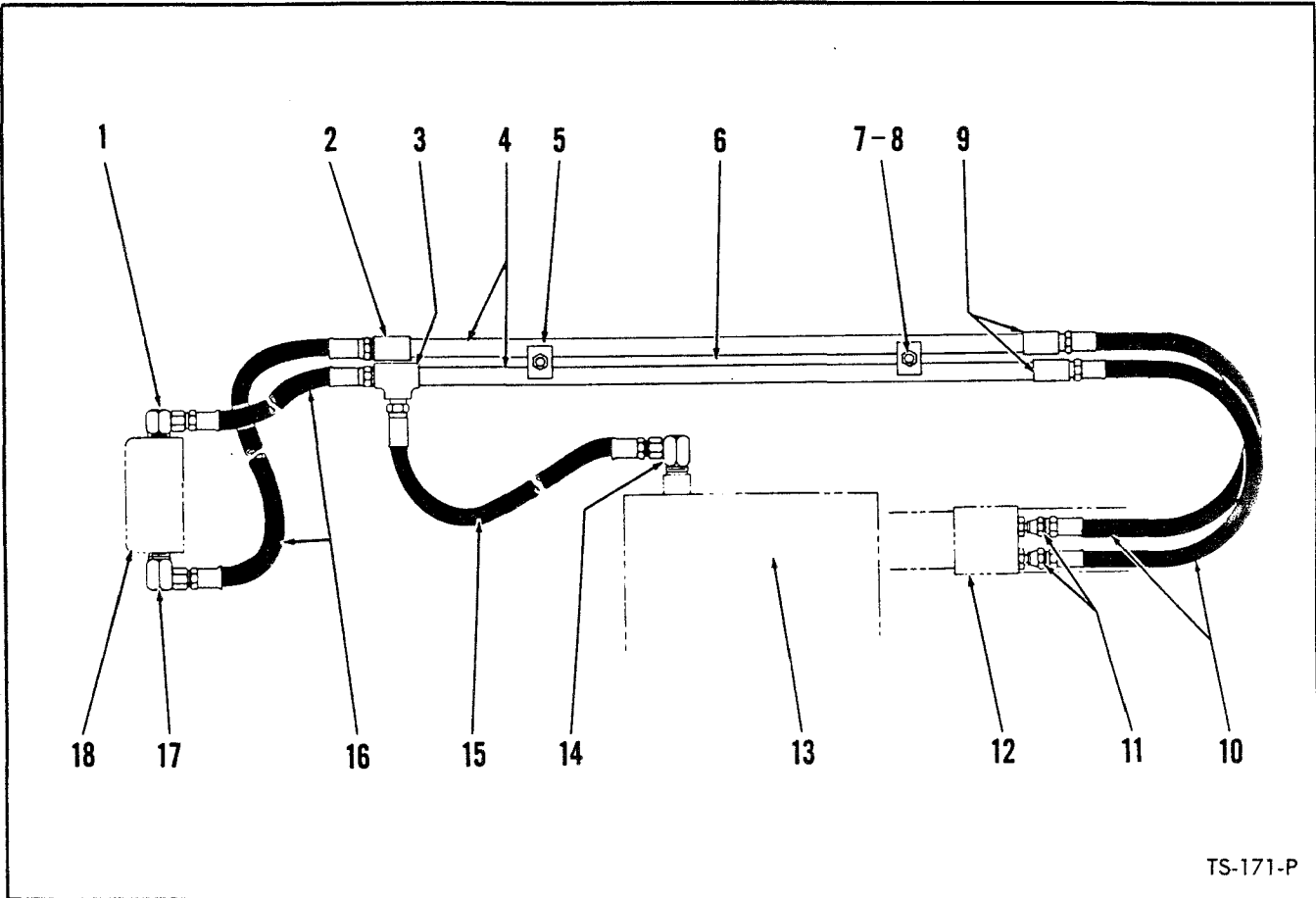
TS-6-P

STEERING DRAG LINK

Item No.	Part No.	Description	No. Req'd.
A		DRAG LINK ASSY (Inc. 1 thru 5)	
B	550595	Model 75A	1
C	550781	Model 75B	1
D	550788	Model 75R	1
1	940011	PLUG, Ball Seat Adjustment	1
2	940015	BALL SEAT	1
3	940016	SPRING	1
4	-----	§FORGING, Drag Link — (See "A")	—
5	940018	PLUG, Safety	1
6	10H-25	FITTING, Drag Link Grease	1
7	1F-432	COTTER, Adjustment Plug	1

§Not Sold Separately — Crder Complete Assembly Item "A".

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

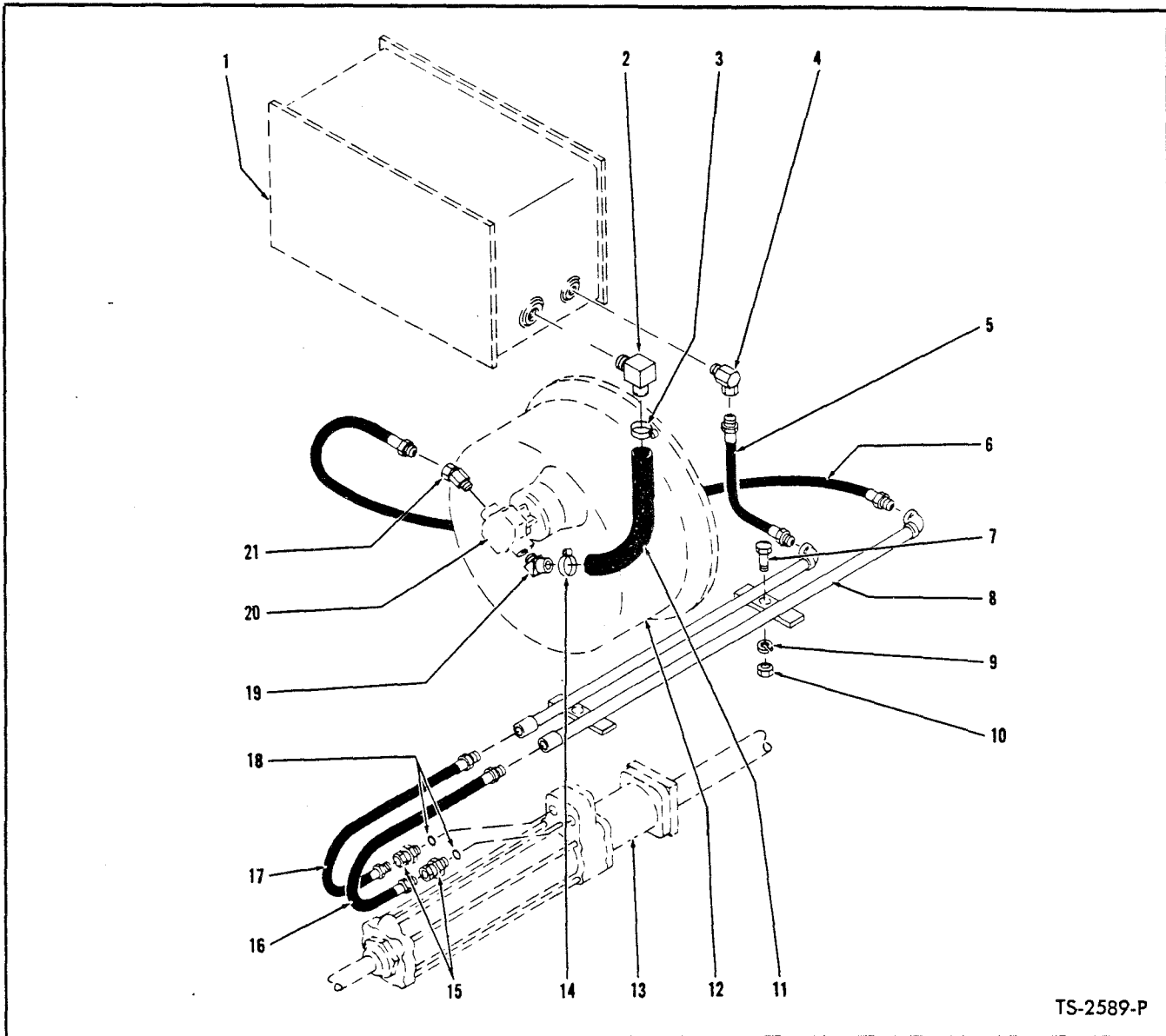


HYDRAULIC SYSTEM — STEERING — MODEL 75A
For Serial 8123 thru 10222, 10240 and 10247 thru 10251

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550700	ADAPTER UNION	1	11	661564	ADAPTER UNION	2
2	550612	COUPLING (Welded to Pipe Assy)	1	11A	91F-6	†"O" RING, Adapter Union	2
3	550610	TEE (Welded to Pipe Assy)	1	12	-----	STEERING BOOSTER — (See Index) ..	—
4	550611	PIPE (Minus Items 2, 3, 9)	2	13	-----	RESERVOIR, Hydraulic Oil — (See Index)	—
5	550614	LUG, Pipe (Welded to Pipe Assy).....	2	14	31F-4	ADAPTER UNION	1
6	550608	PIPE ASSY (Inc. 2 thru 5 & 9)	1	15	661560	HOSE, Pump Suction	1
7	552152	BOLT, Pipe Attaching	2	16	661559	HOSE, Pump to Pipe	2
8	4E-06	LKWSHR, Pipe Attaching	2	17	31F-4	ADAPTER UNION	1
9	550612	COUPLING (Welded to Pipe Assy)....	2	18	-----	PUMP, Steering — (See Index)	—
10	661559	*HOSE, Line to Steering Booster	2				

*NOTE: When 661559 Hose (Item 10) is installed on machine Serial 8123 thru 8768 one 661564 Adapter Union and one 91F-6 "O" Ring must be used.
†Not Illustrated

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



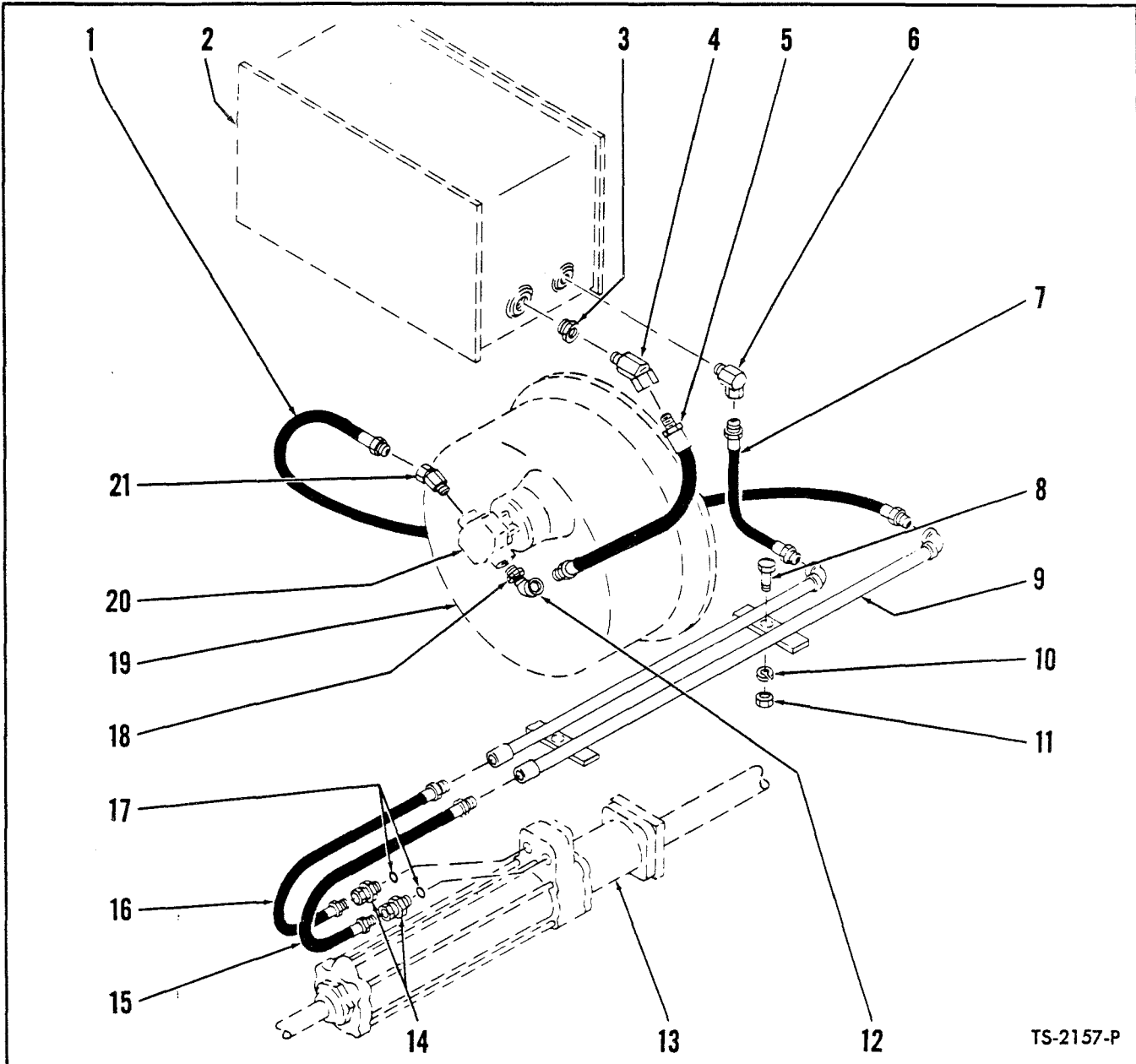
TS-2589-P

HYDRAULIC SYSTEM — STEERING — MODEL 75A

For Serial: **GAS** — 10223 thru 10239, 10241 thru 10246, 10252 thru 12183, 1CA3170 thru 1CA341
DIESEL — 10223D thru 12183D, 1CB893 thru 1CB968

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RESERVOIR, Hydraulic Oil — (See Index)	—	11	516159	HOSE, Reservoir to Pump — Suction	1
2	666846	NIPPLE, Hose to Reservoir	1	12	-----	TORQUE CONVERTER — (See Index) ..	1
3	1545186	CLAMP, Hose	1	13	-----	STEERING BOOSTER — (See Index)	1
4	31F-4	ADAPTER UNION	1	14	1545186	CLAMP, Hose	1
5	712766	HOSE, Pipe to Reservoir	1	15	661564	ADAPTER UNION	1
6	661563	HOSE, Pump to Pipe — Pressure	1	16	661559	HOSE, Pipe to Booster	1
7	2C-624	BOLT, Pipe to Frame	2	17	661559	HOSE, Pipe to Booster	1
8	514610	PIPE, Steering System	1	18	91F-6	"O" RING, Adapter Union	1
9	4E-06	LKWSHR, Pipe to Frame	2	19	666958	NIPPLE, Hose to Pump	1
10	2D-06	NUT, Pipe to Frame	2	20	-----	STEERING PUMP — (See Index)	1
				21	514788	ADAPTER UNION	1

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



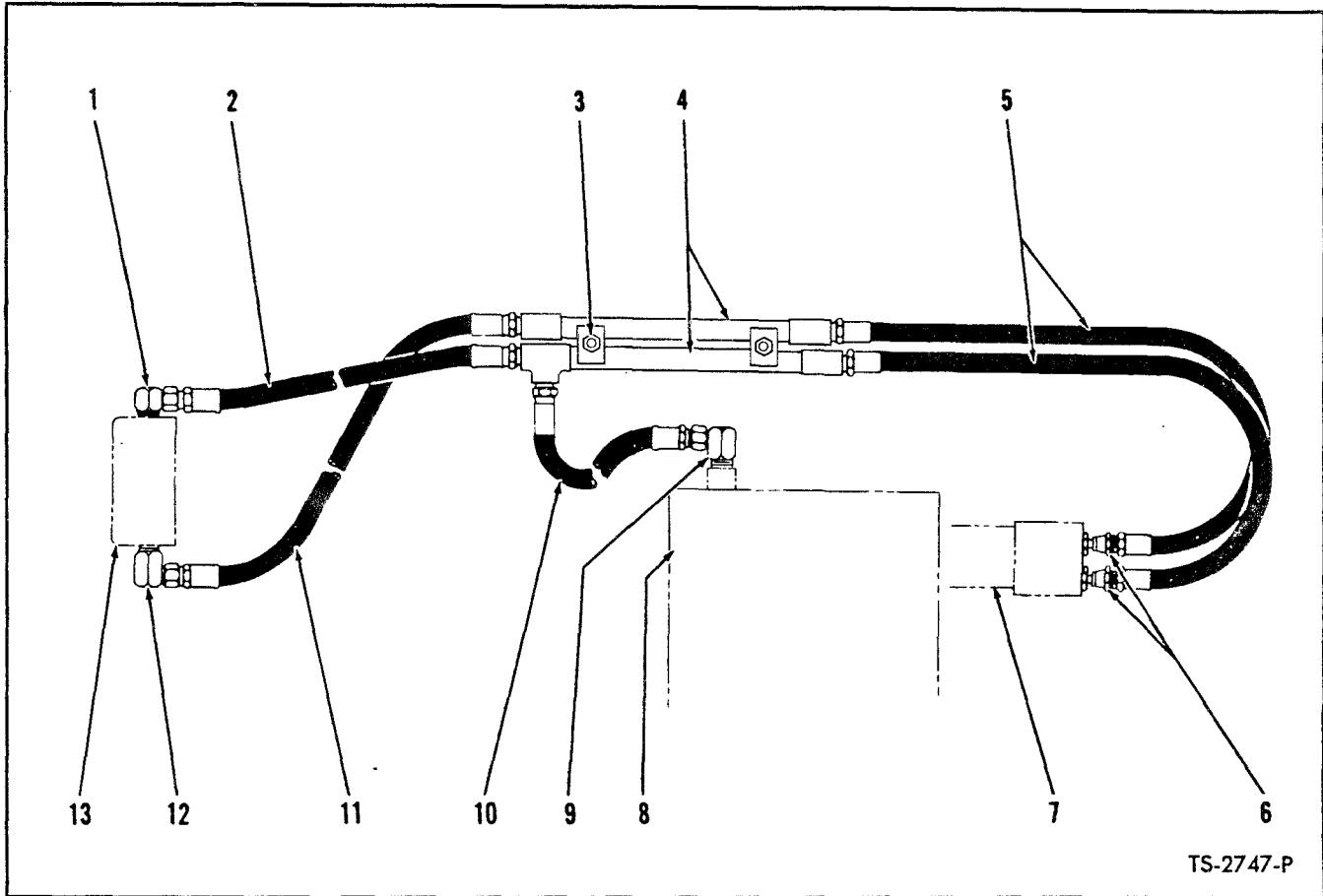
TS-2157-P

HYDRAULIC SYSTEM — STEERING — MODEL 75A

For Serial: GAS — 1CA3419 and thereafter
DIESEL — 1CB969 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	661563	HOSE, Pump to Pipe — Pressure	1	12	26F-5	ELBOW, Hose to Pump	1
2	—	RESERVOIR, Hyd. Oil — (See Index)	—	13	—	STEERING BOOSTER — (See Index)	—
3	356621	BUSHING, Reservoir Reducing	1	14	661564	ADAPTER UNION	2
4	33F-5	ADAPTER UNION	1	15	661559	HOSE, Pipe to Booster	1
5	531000	HOSE, Reservoir to Pump — Suction	1	16	661559	HOSE, Pipe to Booster	1
6	31F-4	ADAPTER UNION	1	17	91F-6	"O" RING, Adapter Union	2
7	712766	HOSE, Pipe to Reservoir — Return	1	18	356621	BUSHING, Pump Reducing	1
8	2C-624	BOLT, Pipe to Frame	2	19	—	TORQUE CONVERTER — (See Index)	—
9	514610	PIPE, Steering	1	20	—	STEERING PUMP — (See Index)	—
10	4E-06	LKWSHR, Pipe to Frame	2	21	514788	ADAPTER UNION	1
11	2D-06	NUT, Pipe to Frame	2				

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



HYDRAULIC SYSTEM – STEERING – MODEL 75B
For Serial 6123 thru 6200

Item No.	Part No.	Description	No. Req'd.
1	550700	ADAPTER UNION	1
2	661560	HOSE, Pump Suction	1
3	552152	BOLT, Pipe Attaching	2
3A	4E-06	†LKWSHR, Pipe Attaching	2
4	550809	PIPE, Steering System	1
5	661559	HOSE, Pipe to Booster	2
6	661564	ADAPTER UNION	2
6A	91F-6	†"O" RING, Adapter Union	2
7	-----	STEERING BOOSTER – (See Index)	—
8	-----	RESERVOIR, Hydraulic Oil – (See Index)	—
9	31F-4	ADAPTER UNION	1
10	661559	HOSE, Reservoir to Pipe – Suction	1
11	661559	HOSE, Pump to Pipe – Pressure	1
12	31F-4	ADAPTER UNION	1
13	-----	STEERING PUMP – (See Index)	—

†Not Illustrated

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