MICHIGAN

JULHO 1974

PARTS MANUAL

No. 1692-R1

RUTHZIL TRATOR COMERCIAL DE PEÇAS LTDA 11 97083-6812 ROLANDO

MODEL 180

Series I

TRACTOR DOZER

Information Contained Herein Pertains to Machine
Serial Numbers Listed Below:

180 Cummins — 2892 thru 2942, 2LC52 thru 2LC999

180 G.M. — 2LG101 thru 2LG999

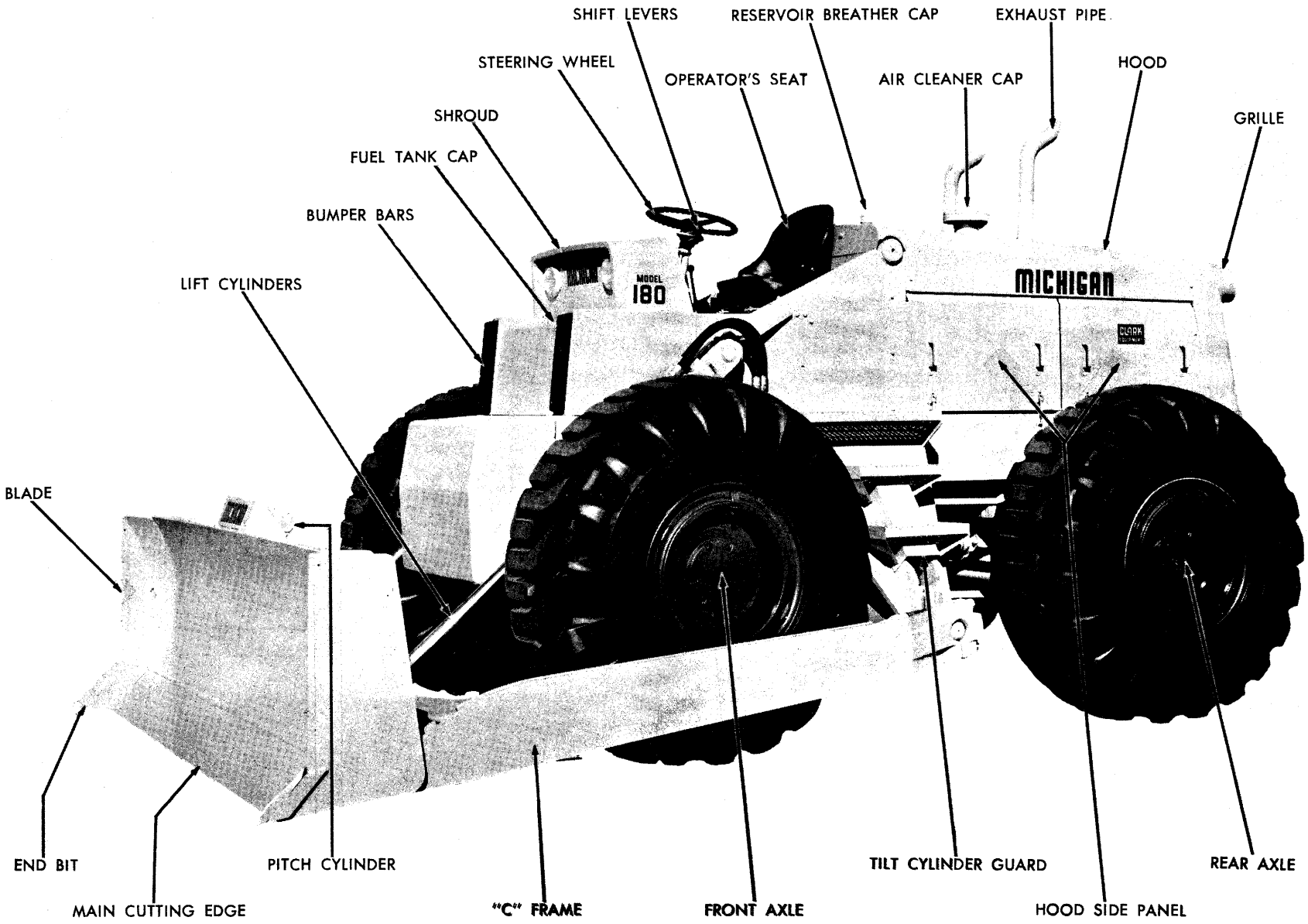
Record Your Machine
Serial Number Here

_____

CLARK EQUIPMENT COMPANY

.25M JUL 74

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CLARK EQUIPMENT COMPANY
GRAPHIC ARTS CENTER



MODEL 180 TRACTOR DOZER SERIES I

TS-3854-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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NOTES

ENGINE AND ACCESSORIES — CUMMINS POWERED

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

ENGINE SUPPORT PARTS

Item No.	Part No.	Description	No. Req'd.
1		*BOLT, Engine Transmission to Frame*	
1A	2C-1060	For Serial: 2892 thru 2942, 2LC52 thru 2LC62	2
1B	18C-1080	For Serial: 2LC63 thru 2LC999	2
2		*NUT, Engine Trunnion to Frame*	
2A	21D-10	For Serial: 2892 thru 2942, 2LC52 thru 2LC62	2
2B	18D-10	For Serial: 2LC63 thru 2LC999	2
3		*SPACER, Engine Support*	
3A	516060	For Serial: 2892 thru 2942, 2LC52 thru 2LC62	2
3B	550156	For Serial: 2LC63 thru 2LC999	2

ENGINE ACCESSORIES

Item No.	Part No.	Description	No. Req'd.
4	551323	SENDER UNIT, Engine Temperature	2
5	940643	*SENDER UNIT, Oil Pressure	1
6	636260	SWITCH, Pressure	1
7	18F-1	TEE, Pressure Switch	1
8	5K-106	NIPPLE, Pressure Switch	1

ENGINE FAN AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
9		*FAN, Engine*	
9A	518286	For Serial: 2892 thru 2897	1
9B	528291	For Serial: 2898 thru 2942, 2LC52 thru 2LC999	1
10		*SPACER, Fan*	
10A	518287	For Serial: 2892 thru 2897	1
10B	528292	For Serial: 2898 thru 2942, 2LC52 thru 2LC62	1
10C	532060	For Serial: 2LC63 thru 2LC999	1
11		*BOLT, Fan to Engine*	
11A	1C-528	For Serial: 2892 thru 2897	4
11B	1C-632	For Serial: 2898 thru 2942, 2LC52 thru 2LC999	6
12		*LKWSHR, Fan to Engine*	
12A	4E-05	For Serial: 2892 thru 2897	4
12B	4E-06	For Serial: 2898 thru 2942, 2LC52 thru 2LC999	6

VOLTAGE REGULATOR AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
13	940590	REGULATOR, Voltage	1
14	2C-420	BOLT, Regulator to Bracket	4
15	2D-04	NUT, Regulator to Bracket	4
16	4E-04	LKWSHR, Regulator to Bracket	4
17	525450	BRACKET, Voltage Regulator	1
18	2C-616	BOLT, Bracket to Frame	2
19	2D-06	NUT, Bracket to Frame	2
20	4E-06	LKWSHR, Bracket to Frame	2

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

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

GENERATOR AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
21	940589	GENERATOR (Inc. 22 thru 26)	1
22	941523	ARMATURE, Generator	1
23	858028	BRUSH, Generator	1
24	6J-405	KEY, Woodruff	1
25	850311	NUT, Shaft	1
26	23E-11	LKWSHR, Shaft	1
27	627014	FAN, Generator	1
28	627013	BAFFLE, Generator	1
29	2C-728	BOLT, Generator to Bracket	2
30	18D-07	NUT, Generator to Bracket	2
31	1C-616	BOLT, Adj. Strap to Bracket	1
32	1C-614	BOLT, Adj. Strap to Bracket	1
33	4E-06	LKWSHR, Adj. Strap Bolt	2
34	103293	WASHER, Adj. Strap Bolt	1

STARTER AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
35	522648	* STARTER (Inc. 36, 37, 38)	1
36	940307	ARMATURE	1
37	872560	HOUSING, Drive	1
38	864525	BRUSH, Starter	1
39	1C-1028	BOLT, Starter Mounting	3
40	4E-10	LKWSHR, Starter Mounting	3

*NOTE: For replacement of 522648 Starter use 1–946052 Starter (D.R. 1113905). The servicolds components of 946052 are 1–946438 Armature, 1–946439 Housing & 1–946440 Brush Set.

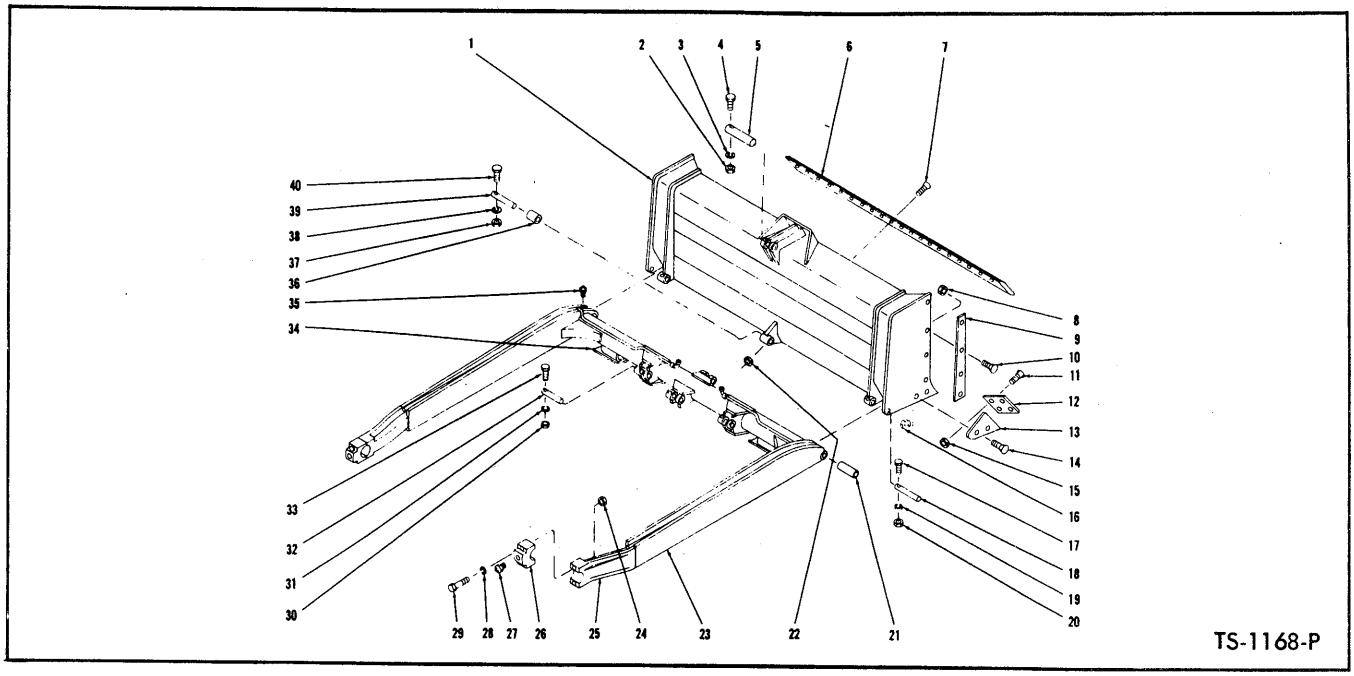
ENGINE AND ACCESSORIES – G.M. POWERED

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

ENGINE ACCESSORIES

Item No.	Part No.	Description	No. Req'd.
41	———	*STARTER	—
42	———	*GENERATOR	—
43	———	*BELT	—
44	540679	FAN, Engine	1
45	17C-516	BOLT, Fan to Engine	4
46	4E-05	LKWSHR, Fan to Engine	4
47	551323	SENDER UNIT, Oil Pressure—See Note A	1
48	940643	SENDER UNIT, Oil Pressure—See Note A	1
49	636260	SWITCH, Pressure	1
50	25F-1	ELBOW, Pressure Switch	1
51	542086	VOLTAGE REGULATOR	1
52	2C-420	BOLT, Regulator to Bracket	4
53	18D-04	NUT, Regulator to Bracket	4
54	541866	BRACKET, Regulator Mounting	1
55	2C-616	BOLT, Bracket to Frame	2
56	2D-06	NUT, Bracket to Frame	2
57	4E-06	LKWSHR, Bracket to Frame	2
58	541221	ADAPTER BUSHING, Flywheel Drive	1

*These parts furnished with engine. See your local G.M. Distributor for service or replacement.
**NOTE: For replacement of 542086 Regulator use 945439 Regulator plus 1–619049 Shock Mount.
NOTE "A": For replacement refer to Service Gram S.G.-326B.



TS-1168-P

"C" FRAME AND BLADE ASSEMBLY

For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC184
G.M. — 2LG101 thru 2LG181

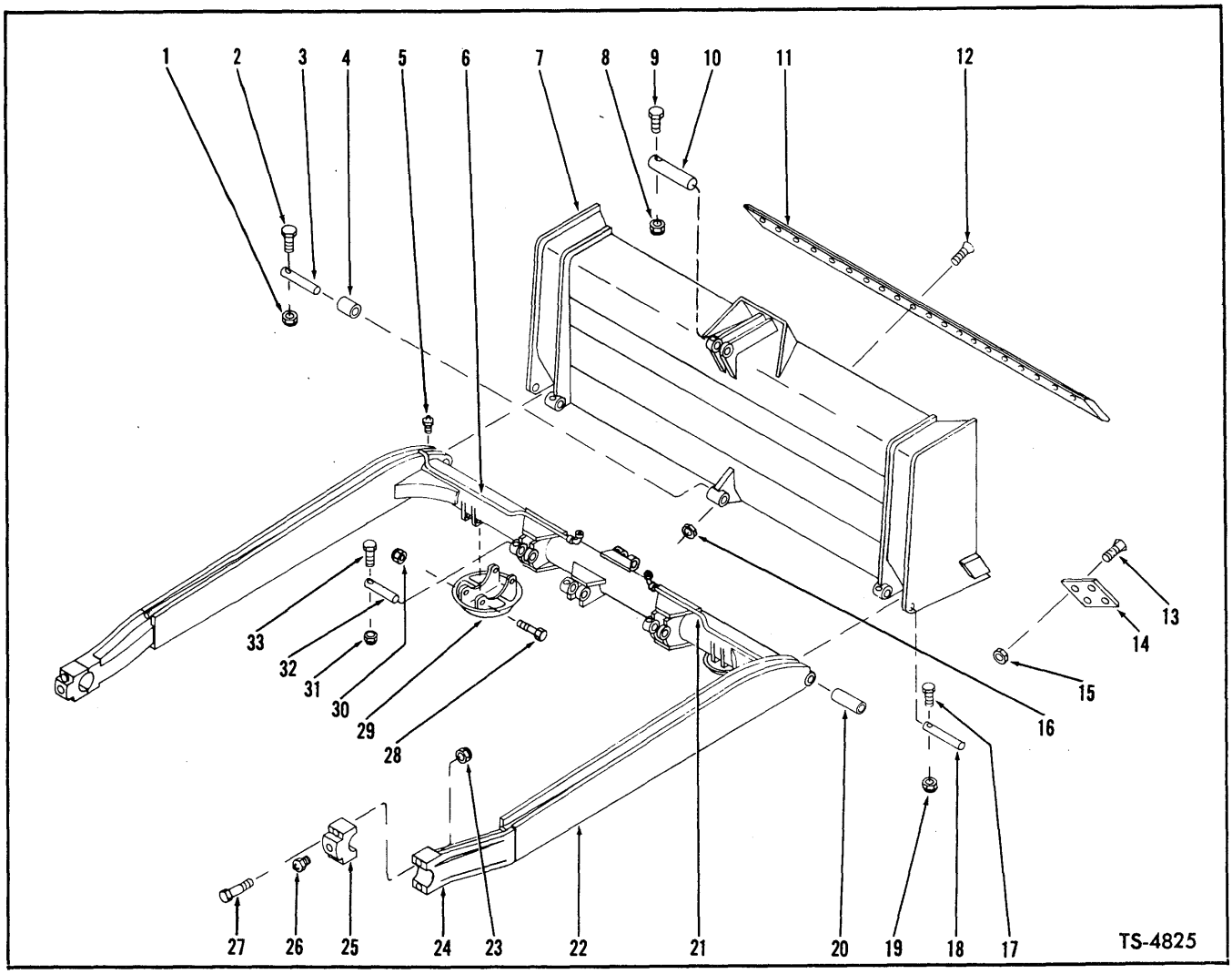
Item No.	Part No.	Description	No. Req'd.
1	521605	**BLADE ASSY	1
2	2D-08	NUT, Pitch Cylinder to Blade Pin	1
3	4E-08	LKWSHR, Pitch Cylinder to Blade Pin	1
4	2C-876	BOLT, Pitch Cylinder to Blade Pin	1
5	580123	PIN, Pitch Cylinder to Block	1
6	535927	CUTTING EDGE, Main	1
7	580104	BOLT ASSY, Main Cutting Edge (Inc. 22)	18
8	1D-12	NUT, Side Cutting Edge — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	8
9		*CUTTING EDGE, Side*	
9A	521356	R.H. — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	—
9B	521357	†L.H. — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	1
10	580201	BOLT ASSY, Side Cutting Edge (Inc. 8) — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	8
11	580104	BOLT ASSY, End Bit (Inc. 15)	8
12		*END BIT*	
12A	526050	*RIGHT HAND	1
12B	526051	*LEFT HAND	1
13	529980	*STRIP, End Bit Support	2
14	580201	BOLT ASSY, End Bit Support Plate (Inc. 16) For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	4
15	1D-14	NUT, End Bit	8
16	1D-12	NUT, End Bit Support Plate—For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	4
17	18C-868	BOLT, Blade to "C" Frame Pin	2
18	520520	PIN, Blade to "C" Frame	2
19	————	OMIT when replacing item 20	—
20	18D-08	NUT, Blade to "C" Frame Pin Bolt	2
21	520530	BUSHING, "C" Frame	2
22	1D-14	NUT, Main Cutting Edge	18
23	520556	***"C" FRAME ASSY (Inc. 23A, 23B, 24 thru 29, 34)	1
23A	520531	†PIPE, R.H. "C" Frame	1
23B	520533	†PIPE, L.H. "C" Frame	1
24	2D-18	NUT, Bearing Cap Bolt	4
25	532034	BRACKET, Trunnion Bearing	2
26	532035	CAP, Trunnion Bearing	2
27	10H-25	FITTING, Bearing Cap Grease	2
28	4E-18	LKWSHR, Bearing Cap	4
29	14C-18128	BOLT, Bearing Cap	4
30	2D-08	NUT, Lift & Pitch Cylinder to "C" Frame Pin	3
31	4E-08	LKWSHR, Lift & Pitch Cylinder to "C" Frame Pin	3
32	580123	PIN, Lift & Pitch Cylinder to "C" Frame	3
33	2C-876	BOLT, Lift & Pitch Cylinder to "C" Frame Pin	3
34	512288	SHOE, "C" Frame (See Note "A")	2
35	10H-35	FITTING, "C" Frame Grease	2
36	525805	BUSHING, Center Pivot Blade	1
37	18D-08	NUT, Pivot Blade Pin	1
38	————	OMIT when replacing item 37	—
39	524900	PIN, Blade Center Pivot	1
40	18C-868	BOLT, Blade Center Pivot Pin	1

†Not Illustrated

**NOTE: For replacement of 521605 Blade use 1—560339 Blade plus 1—560364 Main Cutting Edge, 1—533120 R.H. Cutting Edge, 1—533119 L.H. Cutting Edge, 32—580104 Bolt Assy. & 2—566491 Blade to "C" Frame Pins.

***NOTE: For replacement of 520556 "C" Frame use 541759 "C" Frame plus 2—595018 Skid Shoes, 4—24C-12176 Bolts, & 4—18D-12 Nuts.

NOTE "A": For replacement of 512288 Skid Shoe use 595018 Skid Shoe plus 2—538262 Hangers, 4—24C-12176 Bolts, 4—66D-12 Nuts & 1—Form 1798 Installation Drawing.



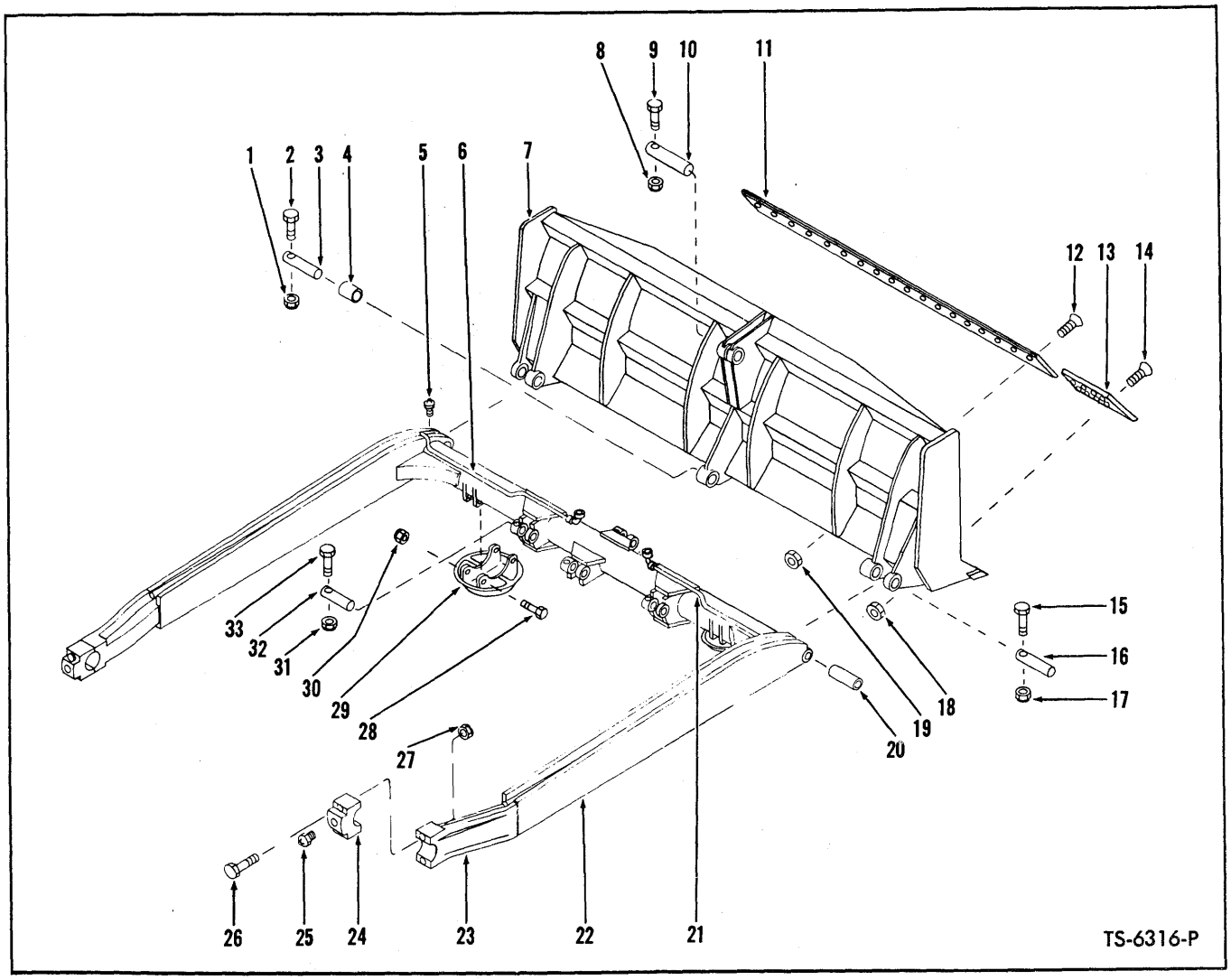
"C" FRAME AND BLADE ASSEMBLY

For Serial: Cummins — 2LC185 thru 2LC999
G.M. — 2LG182 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Pivot Blade Pin	1
2	18C-868	BOLT, Pivot Blade Pin	1
3	524900	PIN, Blade Center Pivot	1
4	525805	BUSHING, Center Pivot Blade	1
5	10H-35	FITTING, "C" Frame Grease	2
6	520533	PIPE, L.H. "C" Frame	1
7	521605	*BLADE ASSY (Inc. 4)	1
8	18D-08	NUT, Pitch Cylinder to Blade Pin	1
9	18C-876	BOLT, Pitch Cylinder to Blade Pin	1
10	580123	PIN, Pitch Cylinder to Block	1
11	535927	CUTTING EDGE	1
12	580104	BOLT ASSY, Cutting Edge (Inc. 16)	18
13	580104	BOLT ASSY, End Bit (Inc. 15)	8
14		*END BIT*	
14A	526050	RIGHT HAND	1
14B	526051	†LEFT HAND	1
15	1D-14	NUT, End Bit	18
16	1D-14	NUT, Cutting Edge	8
17	18C-868	BOLT, Blade to "C" Frame Pin	2
18	520520	PIN, Blade to "C" Frame	2
19	18D-08	NUT, Blade to "C" Frame Pin	2
20	520530	BUSHING, "C" Frame	2
21	520531	PIPE, R.H. "C" Frame	1
22	541759	"C" FRAME ASSY (Inc. 6, 20, 21, 23 thru 27)	1
23	18D-18	NUT, Bearing Cap	4
24	532034	BRACKET, Trunnion Bearing	2
25	532035	CAP, Trunnion Bearing	2
26	10H-25	FITTING, Bearing Cap Grease	2
27	24C-18128	BOLT, Bearing Cap	4
28	24C-12176	BOLT, Skid Shoe to "C" Frame	4
29	595018	SHOE, "C" Frame Skid	2
30	66D-12	NUT, Skid Shoe to "C" Frame	4
31	18D-08	NUT, Lift & Pitch Cyl. to "C" Frame Pin	3
32	580123	PIN, Lift & Pitch Cyl. to "C" Frame	3
33	18C-876	BOLT, Lift & Pitch Cyl. to "C" Frame Pin	3

†Not Illustrated
*NOTE: For replacement of 521605 use 560339 plus 1—560364 Main Cutting Edge, 1—533120 R.H. Cutting Edge, 1—533119 L.H. Cutting Edge, 32—580104 Bolt Assy & 2—566491 Pins.

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

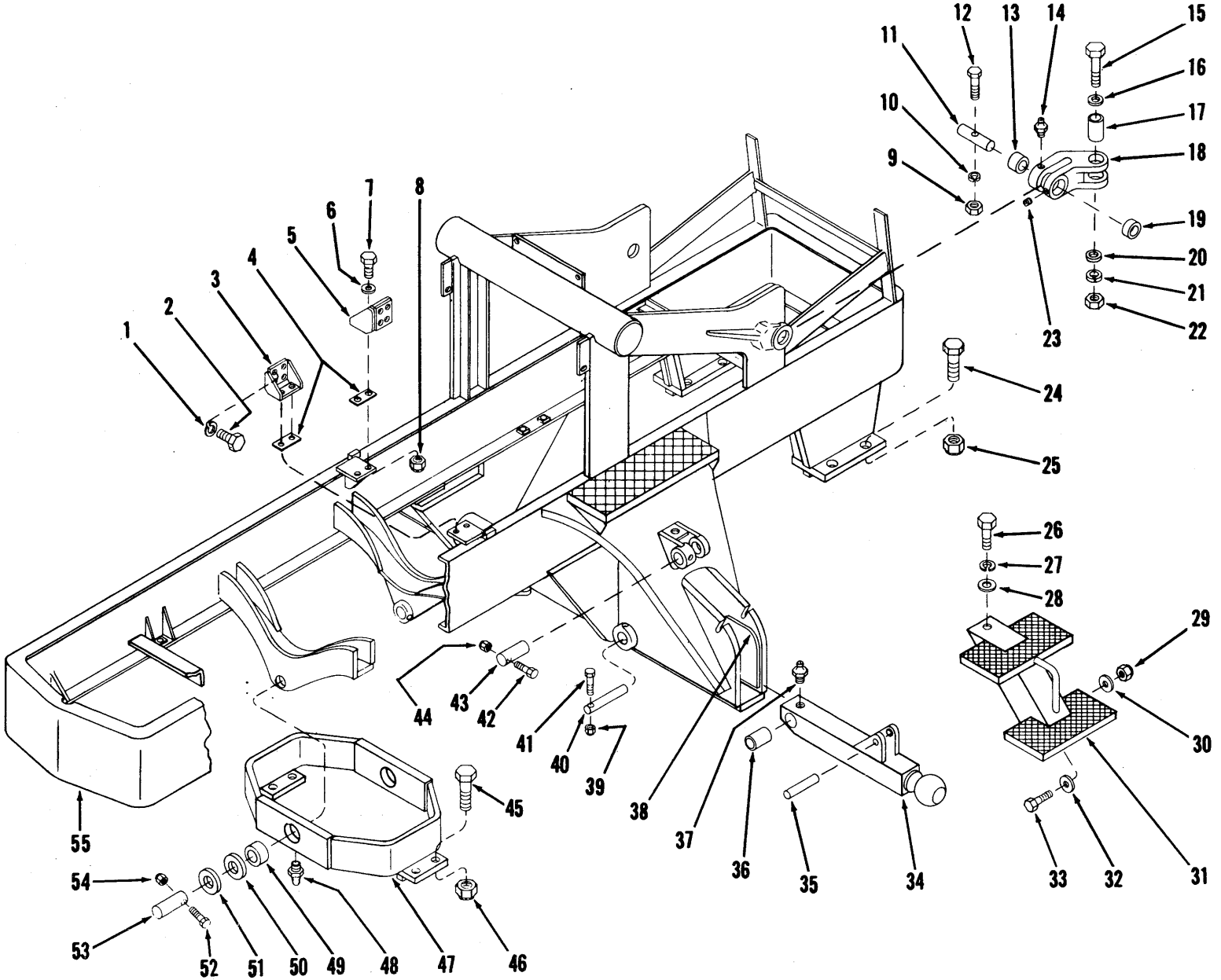


"C" FRAME AND BLADE ASSEMBLY
(SERVICE ONLY)

Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Pivot Pin Retaining	1
2	18C-868	BOLT, Pivot Pin Retaining	1
3	524900	PIN, Blade Center Pivot	1
4	525805	BUSHING, Blade Center Pivot	1
5	10H-35	FITTING, "C" Frame Grease	2
6	520533	PIPE, L.H. "C" Frame	1
7	560339	BLADE ASSY (Inc. 4)	1
8	18D-08	NUT, Cylinder Pin Retaining	2
9	18C-876	BOLT, Cylinder Pin Retaining	2
10	580123	PIN, Pitch Cylinder to Blade & "C" Frame	2
11	560364	CUTTING EDGE, Main	1
12	580104	BOLT ASSY, Cutting Edge (Inc. 19)	16
13		*CUTTING EDGE, Side*	
13A	533120	RIGHT HAND	1
13B	533119	†LEFT HAND	1
14	580104	BOLT ASSY, Cutting Edge (Inc. 18)	16
15	18C-868	BOLT, Blade Pin Retaining	2
16	566491	PIN, Blade to "C" Frame	2
17	18D-08	NUT, Blade Pin Retaining	2
18	1D-14	NUT, Cutting Edge	16
19	1D-14	NUT, Cutting Edge	16
20	520530	BUSHING, "C" Frame	2
21	520531	PIPE, R.H. "C" Frame	1
22	541759	"C" FRAME ASSY (Inc. 6, 20, 21, 23, 24, 26, 27)	1
23	532034	BRACKET, Trunnion Bearing	2
24	532035	CAP, Trunnion Bearing	2
25	10H-25	FITTING, Bearing Cap Grease	2
26	24C-18128	BOLT, Bearing Cap Attaching	4
27	18D-18	NUT, Bearing Cap Attaching	4
28	24C-12176	BOLT, Skid Shoe to "C" Frame	4
29	595018	SHOE, "C" Frame Skid	2
30	66D-12	NUT, Skid Shoe to "C" Frame	4
31	18D-08	NUT, Pin Retaining	2
32	580123	PIN, Lift Cylinder to "C" Frame	2
33	18C-876	BOLT, Pin Retaining	2

†Not Illustrated

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



FRAME, CRADLE, TILT CYLINDER GUARD AND ENGINE SUPPORTS

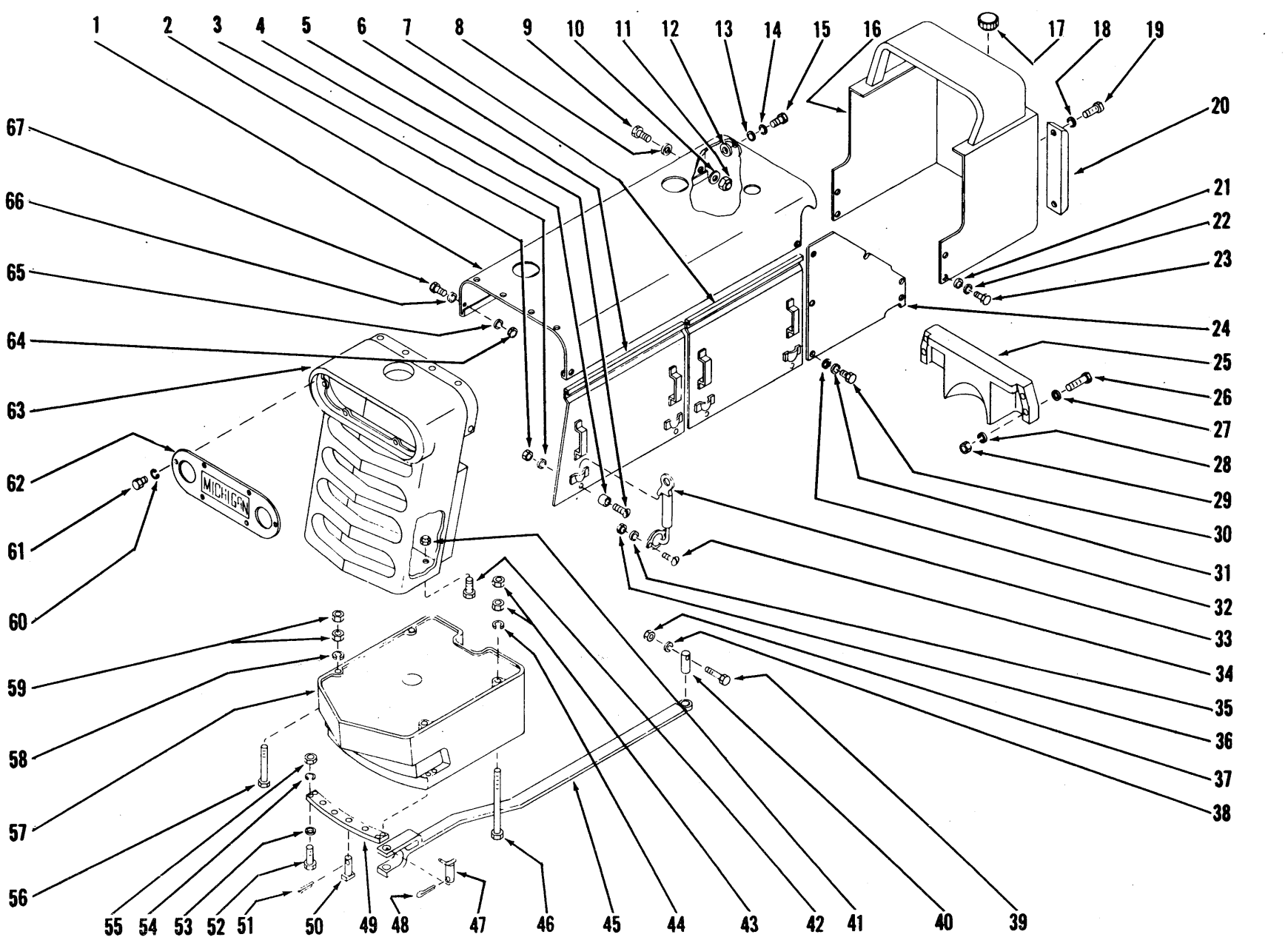
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FRAME, CRADLE, TILT CYLINDER GUARDS AND ENGINE SUPPORTS

Item No.	Part No.	Description	No. Req'd.
1	4E-08	LKWSHR, Support to Engine	8
2	17C-828	BOLT, Support to Engine	8
3		*SUPPORT, Engine R.H.*	
3A	538981	For Cummins Powered Machines	1
3B	540735	For G.M. Powered Machines	1
4	531029	PAD, Engine Support	2
5		*SUPPORT, Engine L.H.*	
5A	539078	*For Cummins Powered Machines	1
5B	540736	For G.M. Powered Machines	1
6	616800	WASHER, Support to Frame	2
7		*BOLT, Support to Frame*	
7A	18C-1052	For Cummins Powered Machines	4
7B	18C-1044	For G.M. Powered Machines	4
8	68D-10	NUT, Support to Frame	4
8A	18C-1036	†BOLT, Engine Trunnion to Frame (For G.M. Powered Engine only)	2
8B	18D-10	†NUT, Engine Trunnion to Frame (For G.M. Powered Engine only)	2
9	2D-10	NUT, Adapter to Frame Pin	2
10	4E-10	LKWSHR, Adapter to Frame	2
11	580122	PIN, Adapter to Frame	2
12	2C-10112	BOLT, Adapter to Frame Pin	2
13	551108	BUSHING, Adapter — Inner	2
14	10H-25	FITTING, Cylinder Adapter Grease	4
15	24C-24116	BOLT, Cylinder to Adapter	2
16	616846	WASHER, Cylinder to Adapter	2
17	580121	TUBE, Left Cylinder Pivot	2
18	580118	ADAPTER, Cylinder to Frame (Inc. 13, 19)	2
19	580120	BUSHING, Adapter — Outer	2
20	616846	WASHER, Cylinder to Adapter	2
21	2E-24	LKWSHR, Cylinder to Adapter	2
22	8D-24	NUT, Cylinder to Adapter	2
23	17G-820	SCREW, Set	2
24	24C-16160	**BOLT, Front Axle to Frame	8
25	68D-16	**NUT, Front Axle to Frame	8
26	18C-616	BOLT, Step to Frame	2
27	4E-06	LKWSHR, Step to Frame	2
28	619021	WASHER, Step to Frame	2
29	18D-06	NUT, Step to Trunnion	4
30	619021	WASHER, Step to Trunnion	4
31		*STEP & CYLINDER GUARD*	
31A	529680	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
31B	536258	For Serial: Cummins — 2LC118 thru 2LC999, G.M. — 2LG101 thru 2LG999	2
32	619021	WASHER, Step to Trunnion	4
33	18C-628	BOLT, Step to Trunnion	4
34	560747	TRUNNION ASSY—"C" Frame — R.H. (Inc. 36)	1
34A	560747	†TRUNNION ASSY—"C" Frame — L.H. (Inc. 36)	1
35	522312	PIN, Tilt Cylinder to Bar	2
36	522309	BUSHING, Trunnion Bar	2
37	10H-25	FITTING, Trunnion Bar Grease	2
38	538223	PLATE, Trunnion Bar to Frame Guide	4
39	18D-08	NUT, Trunnion Bar Pin	2
40	522347	PIN, Trunnion Bar to Frame	2
41	18C-868	BOLT, Trunnion Bar Pin	2
42	2C-640	BOLT, Tilt Cylinder to Frame Pin	2
43	588823	PIN, Tilt Cylinder to Frame	2
44	18D-06	NUT, Tilt Cylinder to Frame	2
45		*BOLT, Rear Axle to Cradle*	
45A	24C-16160	**For Serial: Cummins—2892 thru 2942, 2LC52 thru 2LC126	8
45B	24C-1680	For Serial: Cummins — 2LC127 thru 2LC999, G.M. — 2LG101 thru 2LG999	8
46	68D-16	**NUT, Rear Axle to Cradle	8
47		*CRADLE ASSY, Rear Axle (Inc. 49)*	
47A	525222	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC126	1
47B	530913	For Serial: Cummins — 2LC127 thru 2LC999, G.M. — 2LG101 thru 2LG999	1
48	10H-25	FITTING, Cradle Grease	2
49	524982	BUSHING, Cradle	2
50	552146	‡WASHER, Cradle to Frame — 1/16"	—
51	552147	‡WASHER, Cradle to Frame — 1/8"	—
52	18C-860	BOLT, Cradle Pin	2
53	524900	PIN, Cradle to Frame	2
54	18D-08	NUT, Cradle Pin	2
55		*FRAME ASSY*	
55A	534860	For Cummins Powered Machines (See Note "A")	1
55B	540693	For G.M. Powered Machines	1

†Not Illustrated
‡As Required
*NOTE: Two — 616800 Washers must be used with 539078 L.H. Support.
**NOTE: 68D-16 Nut must be used with 24C-16160 Bolt.
NOTE "A": When 534860 Frame Assy is installed on Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117 item 31B must be used.

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



GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

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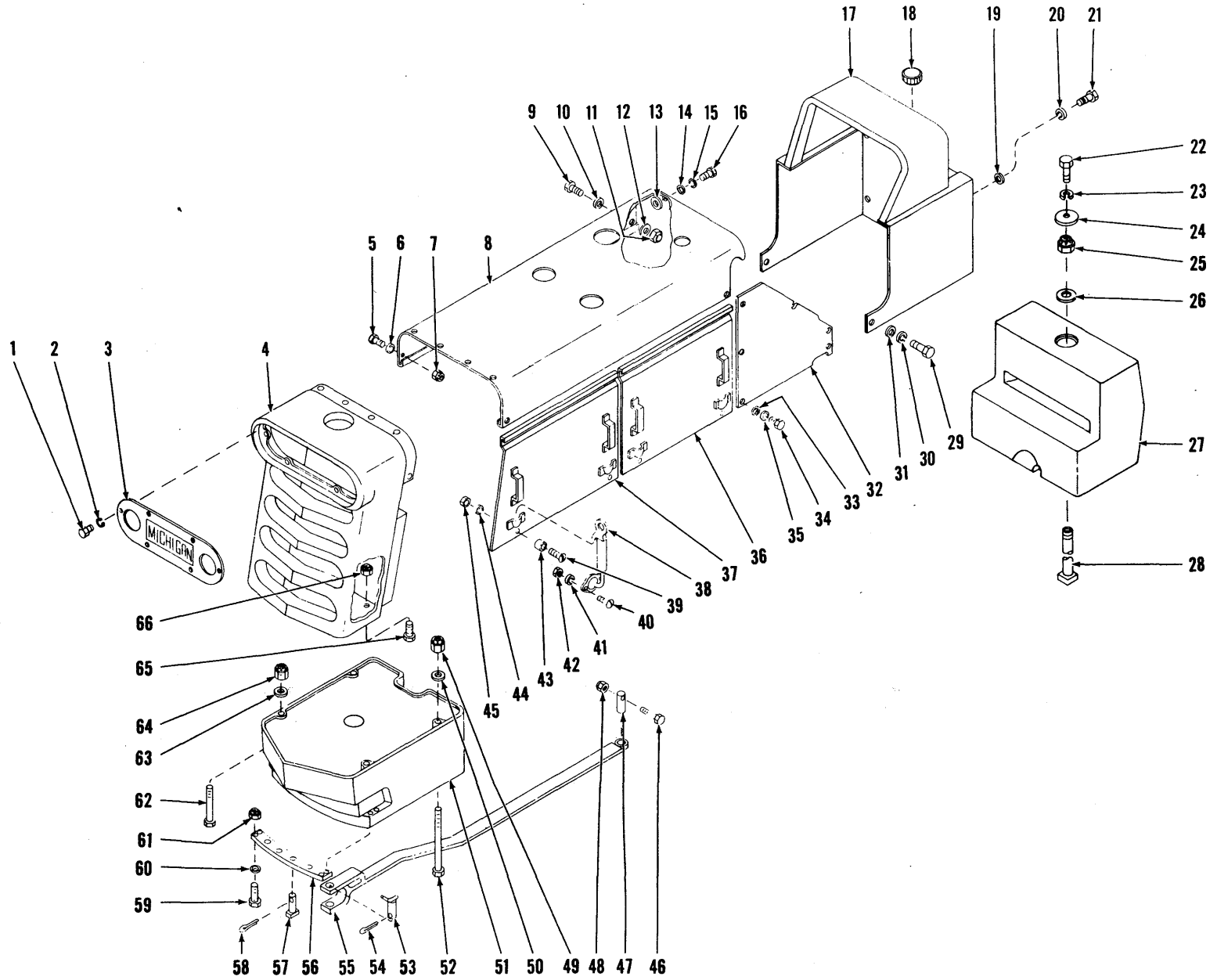
GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC111

Item No.	Part No	Description	No. Req'd.
1	524698	HOOD	1
2	12D-8	NUT, Side Panel Bumper	8
3	12E-8	LKWSHR, Side Panel Bumper	8
4	551434	BUMPER, Hood Side Panel	8
5	3G-814	SCREW, Side Panel Bumper	8
6	524759	PANEL, Rear Hood Side R.H.	1
6A	524760	†PANEL, Rear Hood Side L.H.	1
7	524757	PANEL, Front Hood Side R.H.	1
7A	524758	†PANEL, Front Hood Side L.H.	1
8	103293	WASHER, Hood to Frame	2
9	2C-622	BOLT, Hood to Frame	2
10	518233	PAD, Hood to Frame	2
11	103376	NUT, (Self Locking) Hood to Frame	2
12	518233	PAD, Hood to Pivot Post Clip	2
13	25E-21	WASHER, Hood to Pivot Post Clip	2
14	4E-08	LKWSHR, Hood to Pivot Post Clip	2
15	1C-816	BOLT, Hood to Pivot Post Clip	2
16	529013	SHROUD, Front	1
17	539837	CAP, Fuel Tank	1
18	4E-08	LKWSHR, Bumper Bar Attaching	4
19	1C-836	BOLT, Bumper Bar Attaching	4
20	551539	BAR, Bumper	2
21	103293	WASHER, Shroud to Frame	2
22	4E-06	LKWSHR, Shroud to Frame	2
23	1C-616	BOLT, Shroud to Frame	2
24	524756	SHROUD, Side Panel	2
25	580162	GUARD, Brush	1
26	16C-12104	BOLT, Brush Guard	4
27	207023	WASHER, Brush Guard	4
28	4E-12	LKWSHR, Brush Guard	4
29	2D-12	NUT, Brush Guard	4
30	1C-616	BOLT, Side Shroud to Frame	12
31	4E-06	LKWSHR, Side Shroud to Frame	12
32	103293	WASHER, Side Shroud to Frame	12
33	552336	CATCH, Hood Side Panel	8
34	3G-1018	SCREW, Catch to Frame	16
35	12E-10	LKWSHR, Catch to Frame	16
36	12D-10	NUT, Catch to Frame	16
37	2D-08	NUT, Drawbar to Frame	1
38	4E-08	LKWSHR, Drawbar to Frame	1
39	2C-868	BOLT, Drawbar to Frame	1
40	512743	PIN, Drawbar to Frame	1
41	21D-12	NUT, Grille to Frame	2
42	2C-1260	BOLT, Grille to Frame	2
43	62D-16	NUT, Counterweight to Frame	4
44	3E-16	LKWSHR, Counterweight to Frame	2
45	525661	DRAWBAR	1
46	16C-16256	BOLT, Counterweight to Frame	2
47	580159	PIN, Drawbar	1
48	1F-1252	COTTER, Drawbar Pin	1
49	580157	GUIDE, Drawbar Hitch	1
50	580158	PIN, Drawbar Stop	2
51	1F-836	COTTER, Drawbar Stop Pin	2
52	16C-12104	BOLT, Guide to Counterweight	4
53	207023	WASHER, Guide to Counterweight	4
54	4E-12	LKWSHR, Guide to Counterweight	4
55	2D-12	NUT, Guide to Counterweight	4
56	16C-16104	BOLT, Counterweight to Frame	2
57	580152	COUNTERWEIGHT	1
58	3E-16	LKWSHR, Counterweight to Frame	2
59	62D-16	NUT, Counterweight to Frame	4
60	4E-05	LKWSHR, Light Mounting Plate	6
61	1C-510	BOLT, Light Mounting Plate	6
62	551292	PLATE, Light Mounting	1
63	550152	GRILLE	1
64	2D-06	NUT, Hood to Grille	6
65	4E-06	LKWSHR, Hood to Grille	6
66	103293	WASHER, Hood to Grille	2
67	2C-620	BOLT, Hood to Grille	6

†Not Illustrated

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



GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

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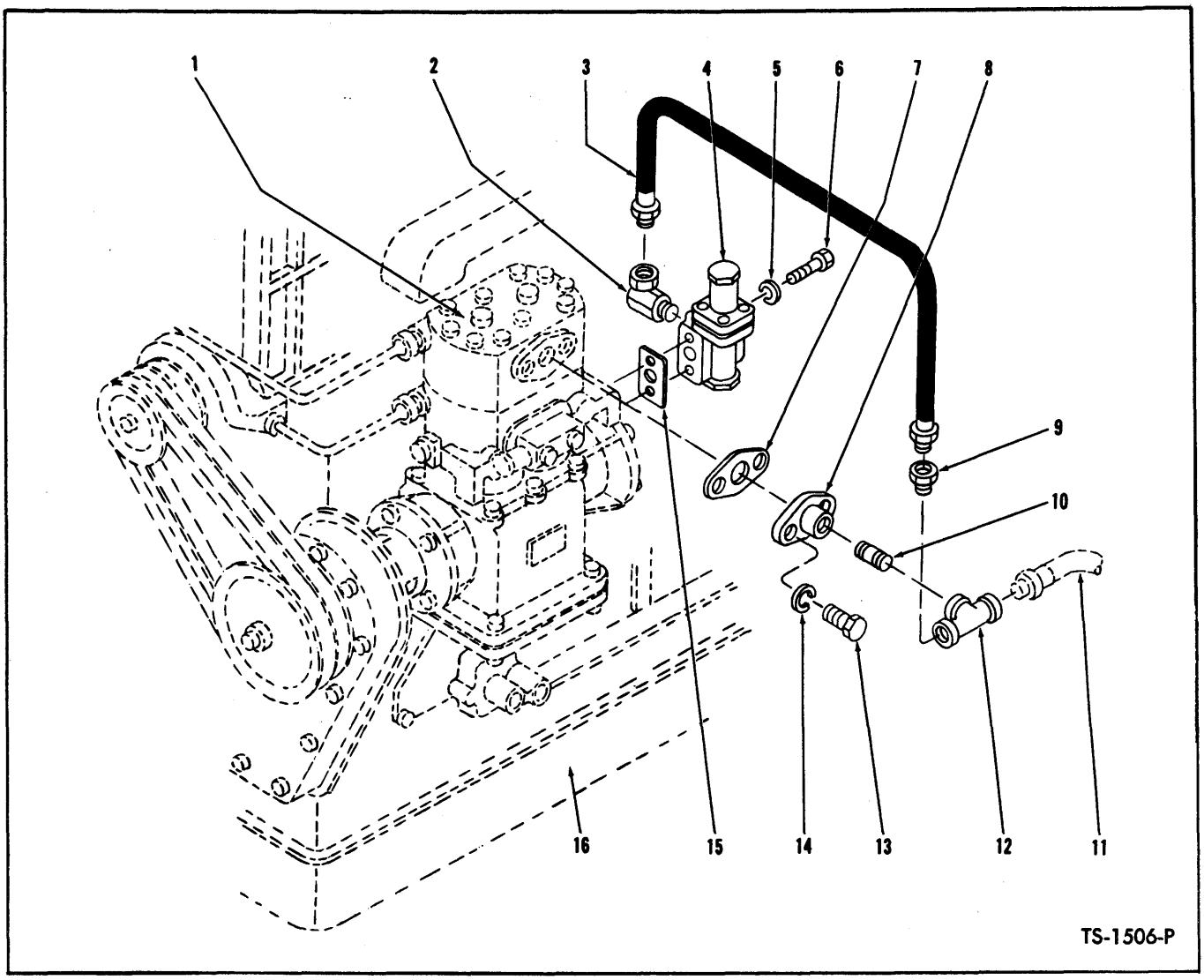
GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

For Serial: CUMMINS — 2LC112 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	1C-510	BOLT, Plate to Grille	6
2	4E-05	LKWSHR, Plate to Grille	6
3	551292	PLATE, Light Mounting	1
4	550152	GRILLE	1
5	18C-620	BOLT, Hood to Grille	6
6	103293	WASHER, Hood to Grille	8
7	18D-06	NUT, Hood to Grille	6
8		*HOOD*	
8A	524698	For Cummins Powered Machines	1
8B	540775	For G.M. Powered Machines	1
9	18C-622	BOLT, Hood to Frame	2
10	103293	WASHER, Hood to Frame	2
11	18D-06	NUT, Hood to Frame	2
12	518233	PAD, Hood to Frame	2
13	518233	PAD, Hood to Frame	2
14	25E-21	WASHER, Hood to Frame	2
15	4E-08	WASHER, Hood to Frame	2
16	17C-816	BOLT, Hood to Frame	2
17	529013	SHROUD, Front	1
18	539837	CAP, Fuel Tank	1
19	25E-21	WASHER, Shroud to Frame	4
20	4E-08	LKWSHR, Shroud to Frame	4
21	17C-816	BOLT, Shroud to Frame	4
22	18C-622	BOLT, Cover Attaching	1
23	4E-06	LKWSHR, Cover Attaching	1
24	522911	PLATE, Cover	1
25	18D-24	NUT, Counterweight Attaching	1
26	522912	WASHER, Counterweight Attaching	1
27	528422	COUNTERWEIGHT, Front (Brush Guard)	1
28	528438	BOLT, Counterweight Attaching	1
29	17C-616	BOLT, Shroud to Frame	2
30	4E-06	LKWSHR, Shroud to Frame	2
31	103293	WASHER, Shroud to Frame	2
32	524756	SHROUD, Side	2
33	103293	WASHER, Side Shroud to Frame	12
34	17C-616	BOLT, Side Shroud to Frame	12
35	4E-06	LKWSHR, Side Shroud to Frame	12
36	524757	PANEL, Front Hood Side — R.H.	1
36A	524758	†PANEL, Front Hood Side — L.H.	1
37	524759	PANEL, Rear Hood Side — R.H.	1
37A	524760	†PANEL, Rear Hood Side — L.H.	1
38	552336	CATCH, Hood Side Panel	8
39	3G-818	SCREW, Side Panel Bumper	8
40	3G-1024	SCREW, Catch to Frame	16
41	12E-10	LKWSHR, Catch to Frame	16
42	12D-10	NUT, Catch to Frame	16
43	551434	BUMPER, Hood Side Panel	8
44	12E-08	LKWSHR, Side Panel Bumper	8
45	12D-8	NUT, Side Panel Bumper	8
46	18C-868	BOLT, Drawbar Pin Retaining	1
47	512743	PIN, Drawbar to Frame	1
48	18D-08	NUT, Drawbar Pin Retaining	1
49	68D-16	NUT, Counterweight to Frame	2
50	652483	WASHER, Counterweight to Frame	2
51		*COUNTERWEIGHT, Rear*	
51A	580152	For Cummins Powered Machines	1
51B	540709	For G.M. Powered Machines	1
52	24C-16256	BOLT, Counterweight to Frame (Front)	2
53	580159	PIN, Drawbar	1
54	1F-1252	COTTER, Drawbar Pin	1
55	525661	DRAWBAR	1
56	580157	GUIDE, Drawbar Hitch	1
57	580158	PIN, Drawbar Stop	2
58	1F-836	COTTER, Stop Pin	2
59	24C-12104	BOLT, Guide to Counterweight	4
60	207023	WASHER, Guide to Counterweight	4
61	18D-12	NUT, Guide to Counterweight	4
62	24C-16104	BOLT, Counterweight to Frame (Rear)	2
63	652483	WASHER, Counterweight to Frame	2
64	68D-16	NUT, Counterweight to Frame	2
65	18C-1264	BOLT, Grille to Frame	2
66	18D-12	NUT, Grille to Frame	2

†Not Illustrated

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



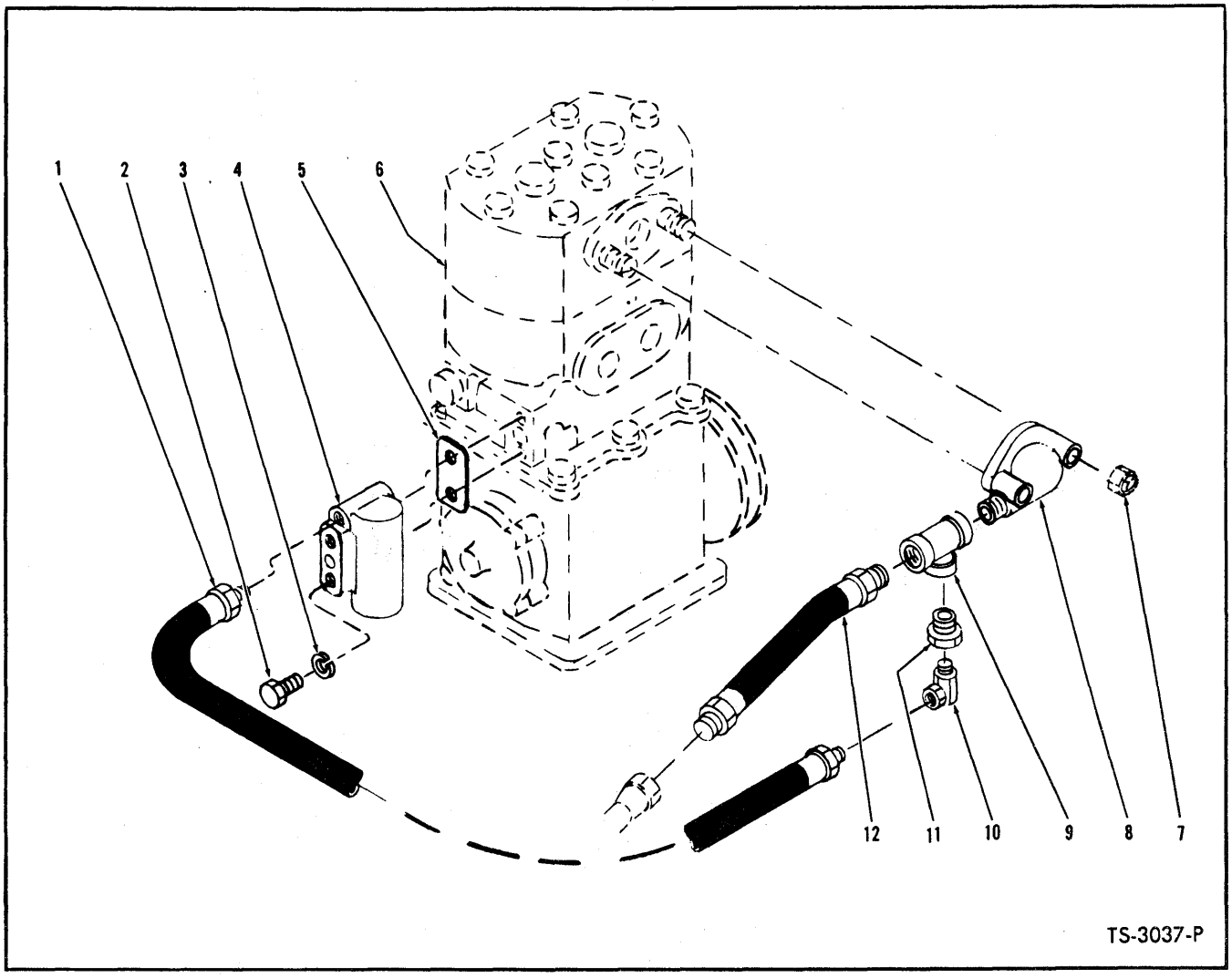
AIR COMPRESSOR AND CONNECTIONS — CUMMINS

NOTE: Compressor Water and Oil Lines are furnished with engine. When replacement of Water or Oil Lines are needed contact your local authorized Cummins Engine Distributor for same.

Item No.	Part No.	Description	No. Req'd.
1	———	COMPRESSOR — See Engine Parts Book	1
2	31F-1	ADAPTER UNION, Hose to Governor	1
3	593650	HOSE, Tee to Governor	1
4	540306	*GOVERNOR, Compressor — B.W. #275200	1
5	4E-05	LKWSHR, Governor to Compressor	2
6	1C-548	BOLT, Governor to Compressor	2
7	951948	*GASKET, Discharge Fitting—B.W. #204820	1
8	510452	*FITTING, Discharge — B.W. #213042	1
9	356616	BUSHING, Tee Reducing	1
10	5K-409	NIPPLE, Tee to Compressor	1
11	———	BRAKE AIR LINES — See Index	—
12	18F-4	TEE, Compressor Air Lines	1
13	1C-514	BOLT, Discharge Fitting	2
14	4E-05	LKWSHR, Discharge Fitting	2
15	942646	*GASKET, Governor—B.W. #223577	1
16	———	ENGINE—See Engine Parts Book	—

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service and supply these parts.

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

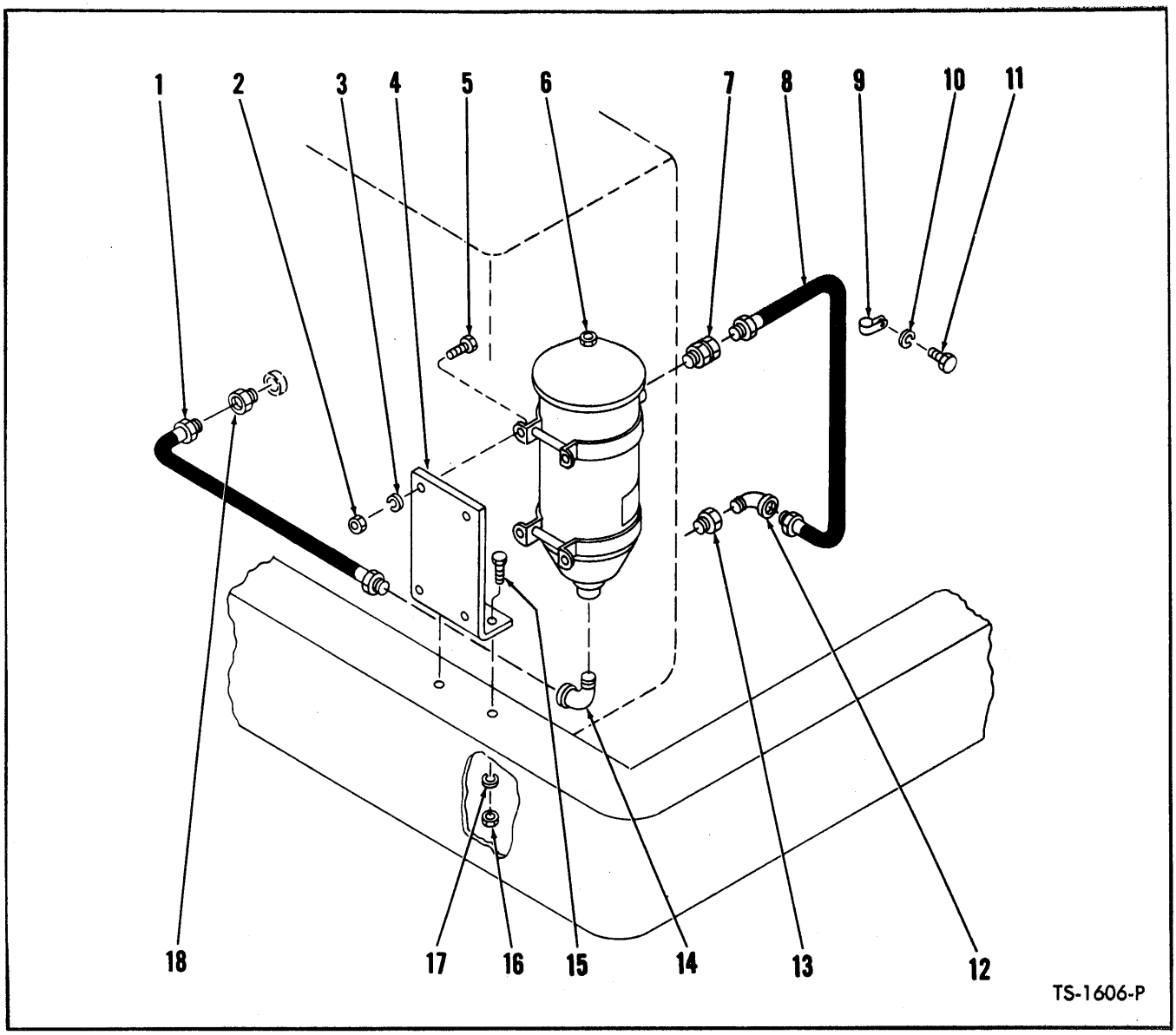


AIR COMPRESSOR AND CONNECTIONS — G.M.

Item No.	Part No.	Description	No. Req'd.
1	538946	HOSE, Compressor to Governor	1
2	1C-544	BOLT, Governor to Compressor	2
3	4E-05	LKWSHR, Governor to Compressor	2
4	540306	*GOVERNOR — B.W. #275200	1
5	942646	*GASKET, Governor — B.W. #223577	1
6	———	*COMPRESSOR ASSY — B.W. #226434	—
7	———	**NUT, Fitting Attaching	2
8	522846	FITTING, Discharge (See Note A)	1
9	18F-4	TEE	1
10	31F-1	ADAPTER	1
11	356616	BUSHING, Adapter to Tee	1
12	540873	HOSE, Tee to Reservoir	1

*NOTE: Your local Bendix-Westinghouse Distributor is equipped to service and supply these parts.
**NOTE: This part is furnished with engine. See your Engine Parts Book.
NOTE "A": For replacement of 522846 use 1—510452 Fitting plus 1—5K—412 Nipple & 1—26F—4 Elbow.

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

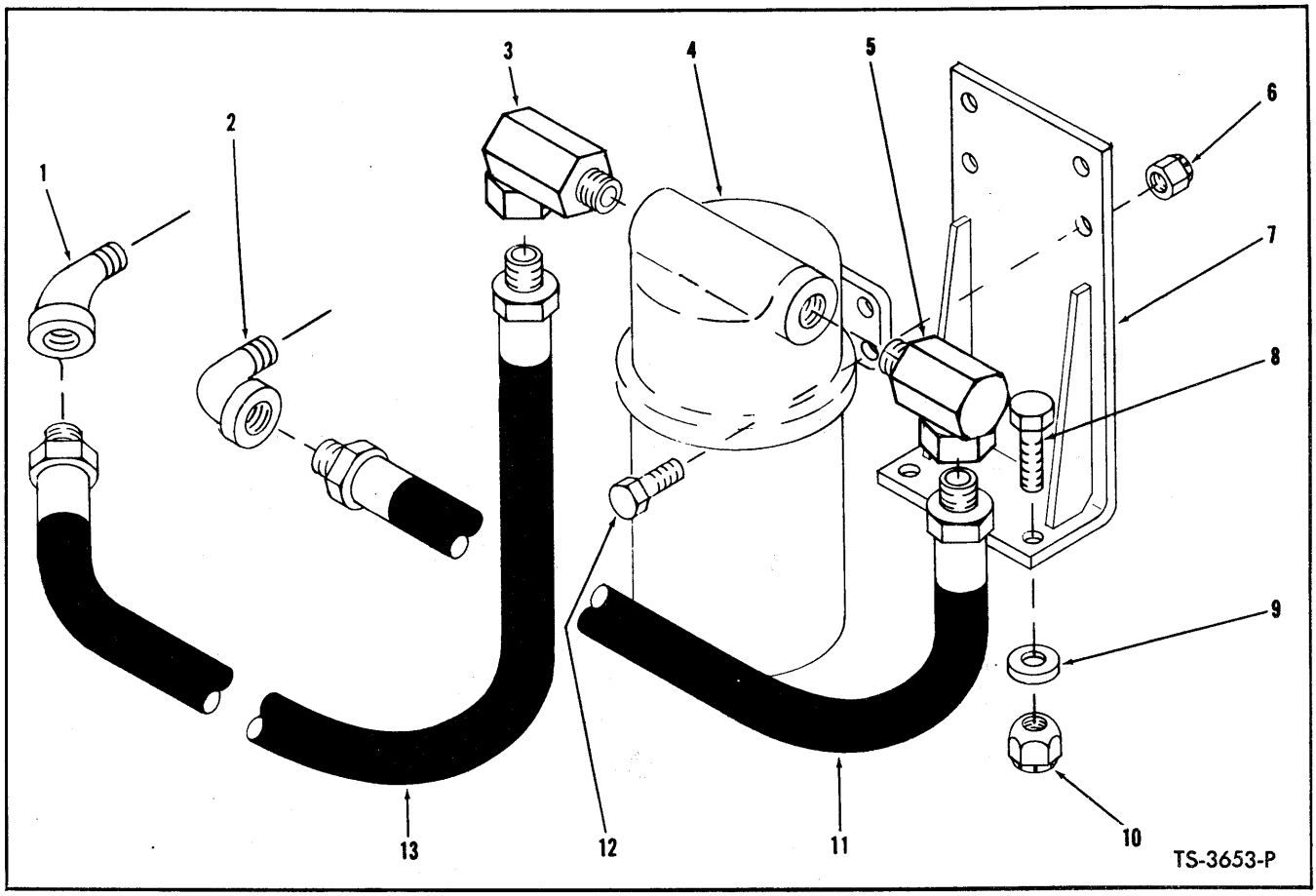


ENGINE BY-PASS OIL FILTER — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	551311	HOSE, Filter to Engine—Drain	1
2	18D-05	NUT, Filter to Bracket	4
3	OMIT	LKWSHR, Filter to Bracket	—
4	527076	BRACKET, By-Pass Filter	1
5	2C-512	BOLT, Filter to Bracket	4
6	524526	FILTER, By-Pass Oil (Inc. 6A)	1
6A	943954	†CARTRIDGE KIT, Oil Filter	1
7	672758	ADAPTER UNION, Hose to Filter	1
8	669855	HOSE, Engine to Filter—Pressure	1
9	6H-18	CLIP, Hose to Engine	1
10	4E-06	LKWSHR, Clip to Engine	1
11	1C-608	BOLT, Clip to Engine	1
12	26F-3	ELBOW, Pressure Hose	1
13	356618	BUSHING, Engine Reducing	1
14	26F-2	ELBOW, Drain Hose to Filter	1
15	2C-628	BOLT, Bracket to Frame	2
16	70D-06	NUT, Bracket to Frame	2
17	71D-06	BASE, Bracket to Frame Nut	2
18	356614	BUSHING, Engine Reducing	1

†Not Illustrated

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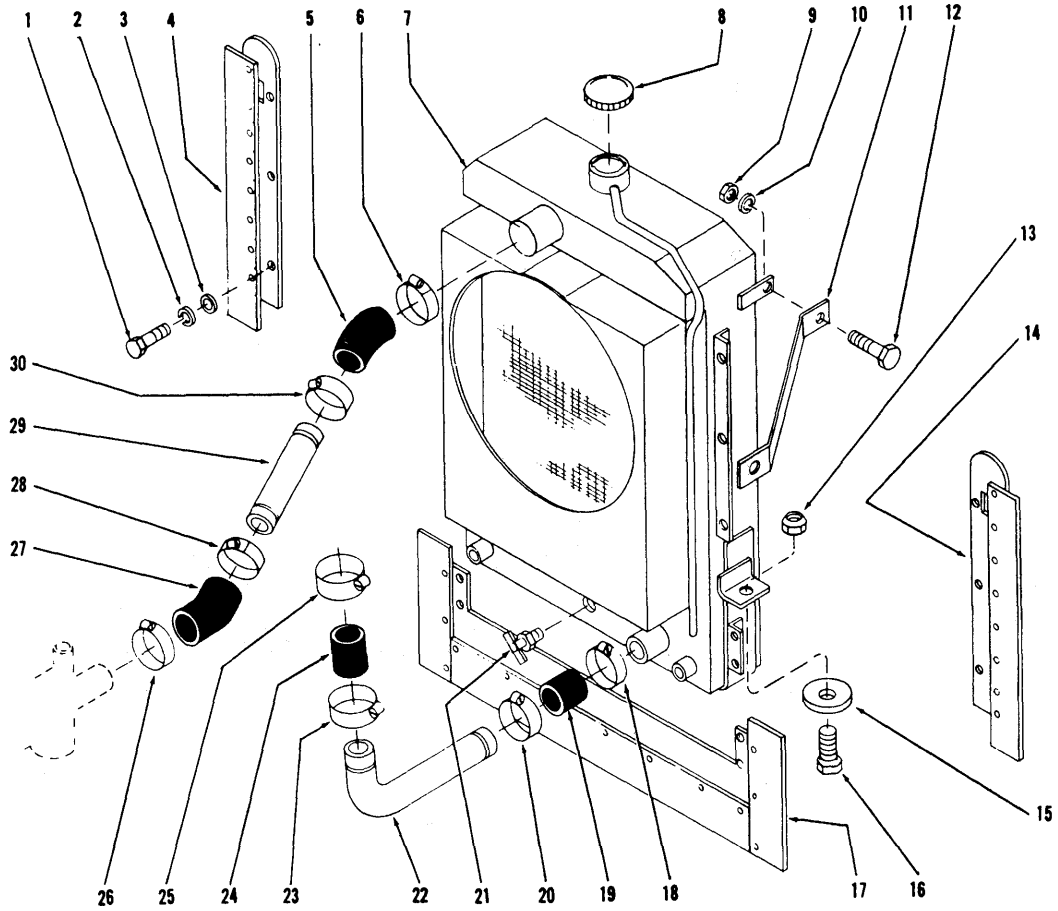


ENGINE LUBE FILTER — G.M.

Item No.	Part No.	Description	No. Req'd.
1	25F-5	ELBOW, Hose to Engine	1
2	26F-5	ELBOW, Hose to Engine	1
3	31F-5	ADAPTER, Hose to Filter	1
4	———	*FILTER, Engine Lube	1
5	31F-5	ADAPTER, Hose to Filter	1
6	18D-06	NUT, Filter to Bracket	4
7	541902	BRACKET, Filter Mounting	1
8	18C-624	BOLT, Bracket to Frame	2
9	71D-06	BASE, Bracket to Frame Nut	2
10	70D-06	NUT, Bracket to Frame	2
11	629162	HOSE, Engine Outlet to Filter Inlet	1
12	18C-620	BOLT, Filter to Bracket	4
13	550877	HOSE, Filter Outlet to Engine Inlet	1

*Furnished with engine. See your local G.M. Distributor for service or replacement.

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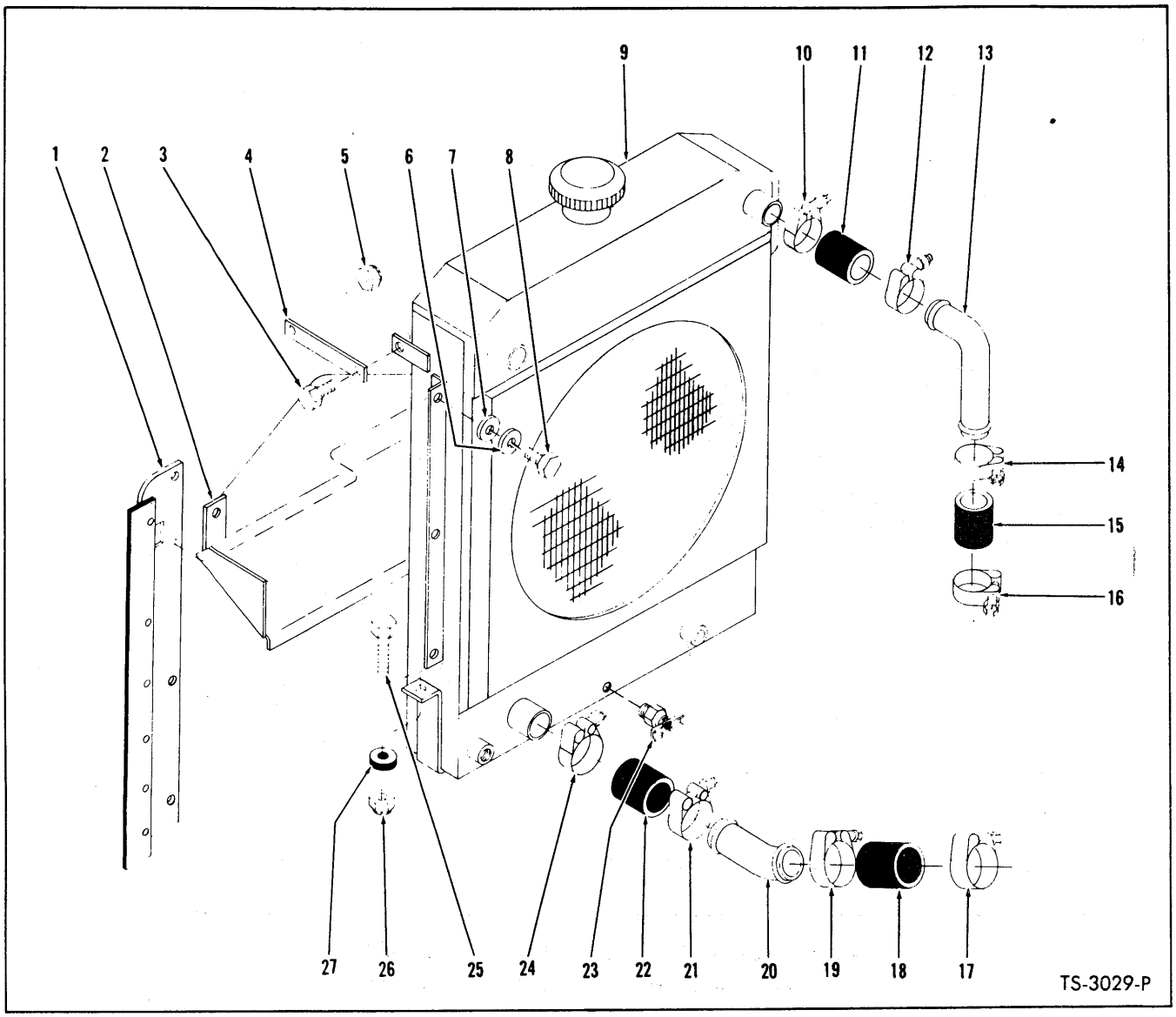
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RADIATOR AND CONNECTIONS — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	2C-512	BOLT, Panels to Radiator	10
2	4E-05	LKWSHR, Panels to Radiator	10
3	25E-16	WASHER, Panels to Radiator	10
4	514512	PANEL ASSY, Radiator Shroud Side	1
5	515898	HOSE, Upper Tube to Radiator	1
6	540104	CLAMP, Upper Hose	1
7	525117	RADIATOR (Inc. 7A)	1
7A	946254	†BOTTOM TANK & COOLER	1
8	351495	CAP, Radiator	1
9	2D-06	NUT, Clip to Radiator	2
10	4E-06	LKWSHR, Clip to Radiator	2
11	551616	CLIP, Radiator to Grille	2
12	2C-614	BOLT, Clip to Radiator	2
13	21D-8	NUT, Radiator to Frame	2
14	514512	PANEL ASSY, Radiator Shroud Side	1
15	518233	PAD, Radiator to Frame	2
16	2C-836	BOLT, Radiator to Frame	2
17	514514	PANEL ASSY, Radiator Shroud Bottom	1
18	540104	CLAMP, Lower Hose	1
19	1M-18032	HOSE, Lower Radiator	1
20	540104	CLAMP, Lower Hose	1
21	73F-2	DRAIN COCK, Radiator	1
22	522555	TUBE, Lower Radiator	1
23	540104	CLAMP, Lower Hose	1
24	1M-18032	HOSE, Lower Radiator	1
25	540104	CLAMP, Lower Hose	1
26	540104	CLAMP, Upper Hose	1
27	515898	HOSE, Upper Radiator	1
28	540104	CLAMP, Upper Hose	1
29	515897	TUBE, Upper Radiator	1
30	540104	CLAMP, Upper Hose	1

†Not Illustrated

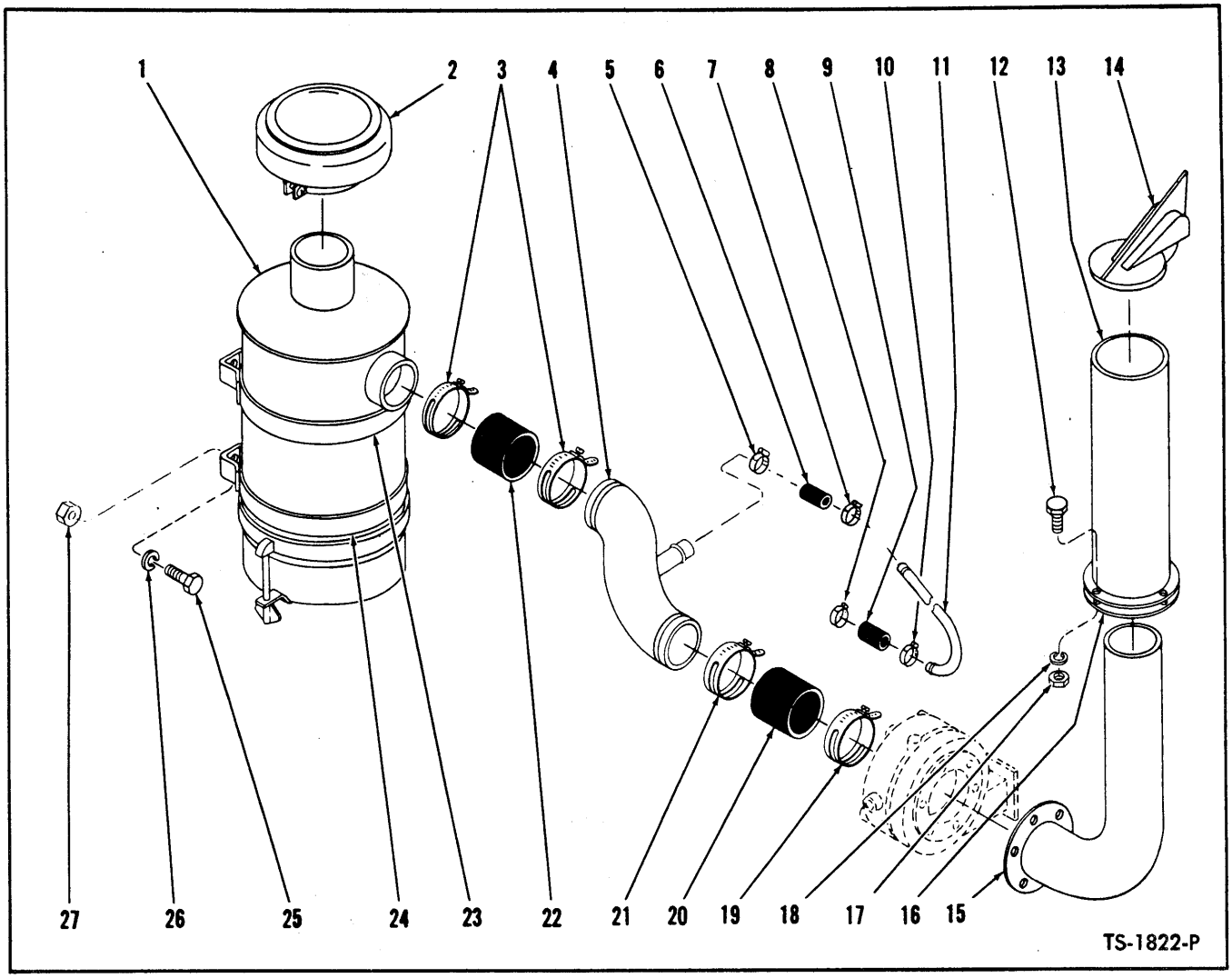
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



RADIATOR AND CONNECTIONS — G.M.

Item No.	Part No.	Description	No. Req'd.
1	514512	PANEL, Air Deflector — Side	2
2	541877	AIR DEFLECTOR	1
3	18C-614	BOLT, Clip to Radiator	2
4	551616	CLIP, Radiator to Grille	2
5	18D-06	NUT, Clip to Radiator	2
6	4E-05	LKWSHR, Panel to Radiator	6
7	25E-16	WASHER, Panel to Radiator	6
8	18C-512	BOLT, Panel to Radiator	6
9	2515090	RADIATOR	1
10	540266	CLAMP, Hose	2
11	540678	HOSE, Radiator to Tube	2
12	540266	CLAMP, Hose	2
13	540677	TUBE, Radiator Inlet	2
14	540266	CLAMP, Hose	2
15	540678	HOSE, Tube to Engine	2
16	540266	CLAMP, Hose	2
17	540108	CLAMP, Hose	1
18	1M-16030	HOSE, Tube to Engine	1
19	540108	CLAMP, Hose	1
20	540676	TUBE, Radiator Outlet	1
21	540108	CLAMP, Hose	1
22	1M-16030	HOSE, Tube to Radiator	1
23	73F-2	DRAIN COCK	1
24	540108	CLAMP, Hose	1
25	18C-836	BOLT, Radiator to Frame	2
26	18D-08	NUT, Radiator to Frame	2
27	518233	PAD, Radiator to Frame	2

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



AIR CLEANER AND TAILPIPE — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC117

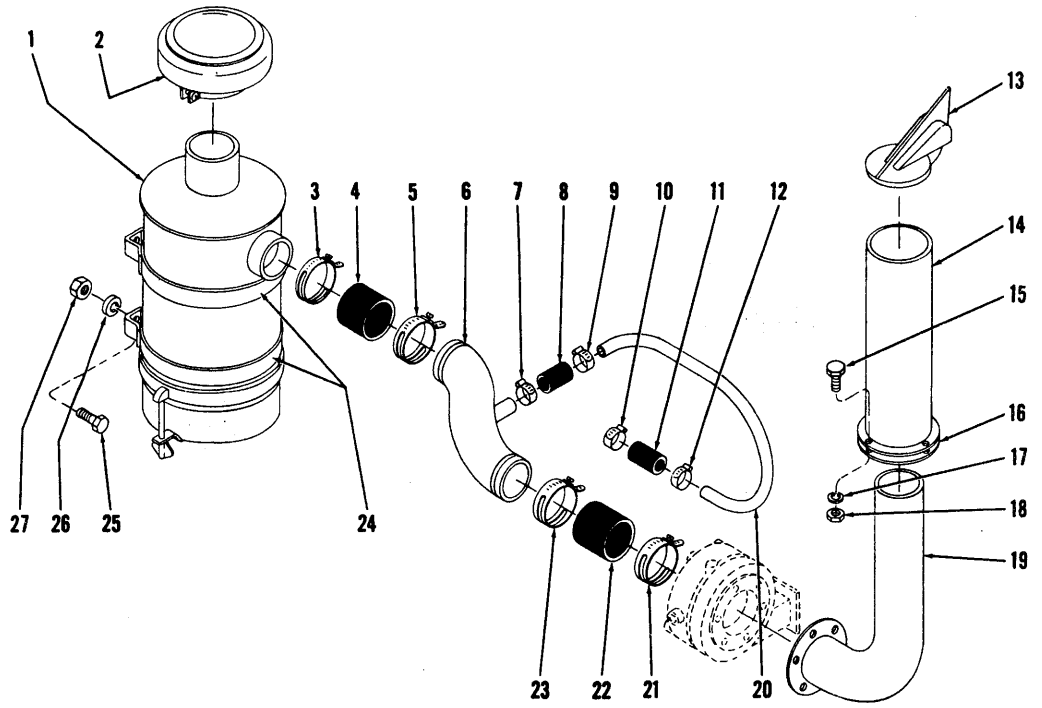
Item No.	Part No.	Description	No. Req'd.
1	940560	AIR CLEANER — See Note "A"	1
2	511512	CAP, Air Cleaner	1
3	539042	CLAMP, Hose	2
4	509265	*TUBE, Air Intake	1
5	540103	CLAMP, Hose to Tube	1
6	529979	HOSE, Tube to Tube	1
7	540103	CLAMP, Hose to Tube	1
8	540103	CLAMP, Hose to Compressor Flange	1
9	529979	HOSE, Compressor Tube to Compressor	1
10	540103	CLAMP, Hose to Tube	1
11	509267	**TUBE, Compressor Intake	1
12	2C-620	BOLT, Tail Pipe to Hood	4
13	525536	PIPE, Tail	1
14	592867	CAP, Tail Pipe Rain	1
15	592310	ELBOW, Exhaust Pipe	1
16	525535	FLANGE, Tail Pipe to Hood	1
17	2D-06	NUT, Tail Pipe to Hood	4
18	4E-06	LKWSHR, Tail Pipe to Hood	4
19	539042	CLAMP, Hose	1
20	521016	HOSE, Tube to Turbo-Charger	1
21	539042	CLAMP, Hose	1
22	521016	HOSE, Tube to Air Cleaner	1
23	941474	BAND, Air Cleaner Mounting	1
24	941474	BAND, Air Cleaner Mounting	1
25	2C-612	BOLT, Air Cleaner to Reservoir	4
26	4E-06	LKWSHR, Air Cleaner to Reservoir	4
27	2D-06	NUT, Air Cleaner to Reservoir	4

*NOTE: When 509265 Air Intake Tube is installed in machine, Serial 2892 thru 2942, 2LC52 thru 2LC66, item 11, 509267 Compressor Intake Tube must be replaced at same time.

**NOTE: When 509267 Compressor Intake Tube only is installed in machine Serial 2892 thru 2942, 2LC52 thru 2LC66 use 1, 667289 Hose Nipple at Air Intake Tube.

NOTE "A": For replacement of 940560 Air Cleaner use 542333 Air Cleaner.

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



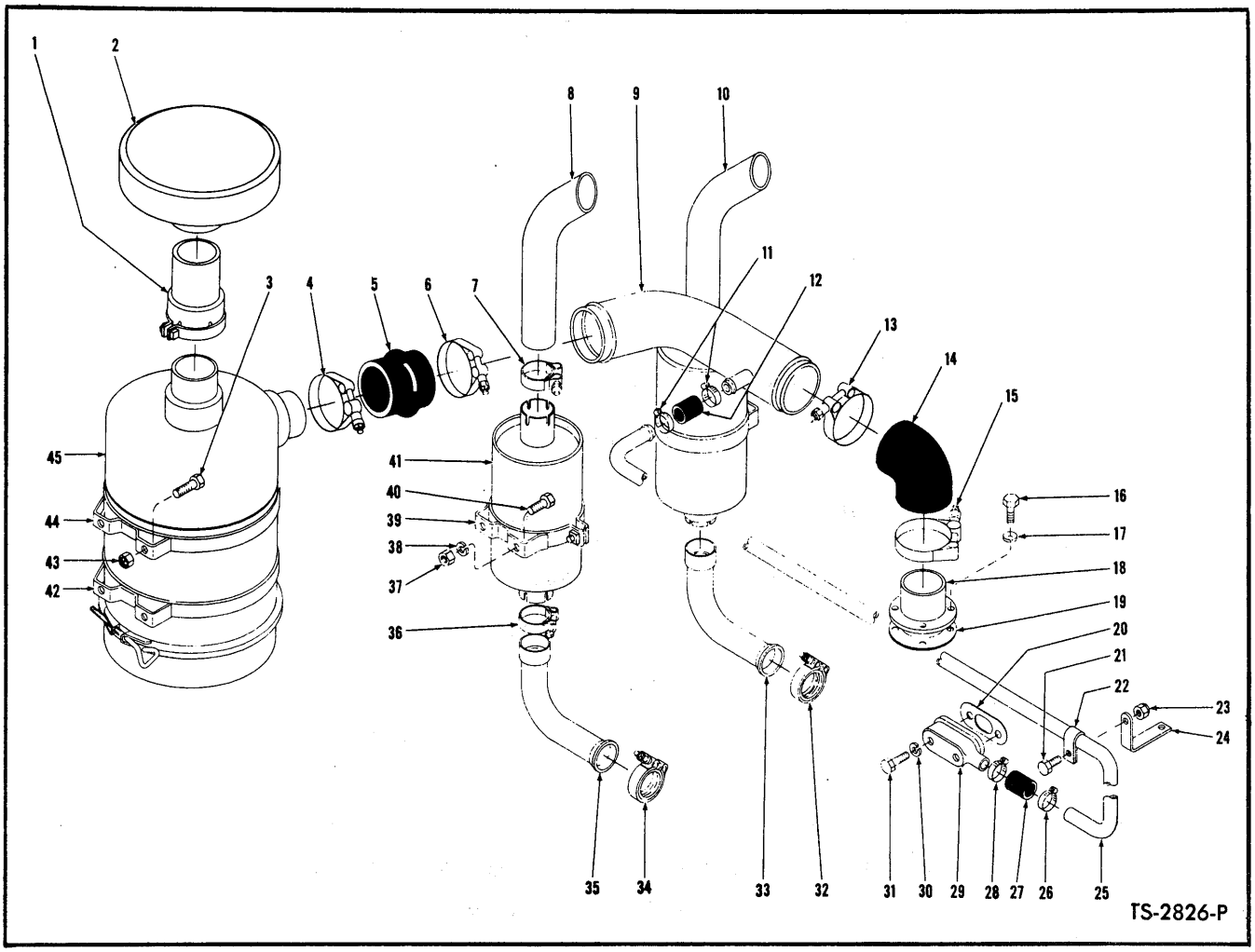
TS-2163-P

AIR CLEANER CONNECTIONS AND TAILPIPE — CUMMINS

For Serial 2LC118 thru 2LC999

Item No.	Part No.	Description	No. Req'd.
1	———	AIR CLEANER — (See Index)	—
2	511512	CAP, Air Cleaner	1
3	539042	CLAMP, Hose	1
4	521016	HOSE, Tube to Air Cleaner	1
5	539042	CLAMP, Hose	1
6	535099	TUBE, Air Intake	1
7	540103	CLAMP, Hose	1
8	529979	HOSE, Compressor Tube to Intake Tube	1
9	540103	CLAMP, Hose	1
10	540103	CLAMP, Hose	1
11	529979	HOSE, Compressor Tube to Compressor	1
12	540103	CLAMP, Hose	1
13	592867	CAP, Tail Pipe Rain	1
14	525536	TAIL PIPE	1
15	2C-620	BOLT, Exhaust Pipe to Hood	4
16	525535	FLANGE, Tail Pipe to Hood	1
17	4E-06	LKWSHR, Tail Pipe to Hood	4
18	2D-06	NUT, Tail Pipe to Hood	4
19	592310	EXHAUST PIPE	1
20	509267	TUBE, Compressor Air Intake	1
21	539042	CLAMP, Hose	1
22	521016	HOSE, Tube to Air Cleaner	1
23	539042	CLAMP, Hose	1
24	532687	BAND, Air Cleaner Attaching	1
25	2C-612	BOLT, Air Cleaner to Reservoir	4
26	4E-06	LKWSHR, Air Cleaner to Reservoir	4
27	2D-06	NUT, Air Cleaner to Reservoir	4

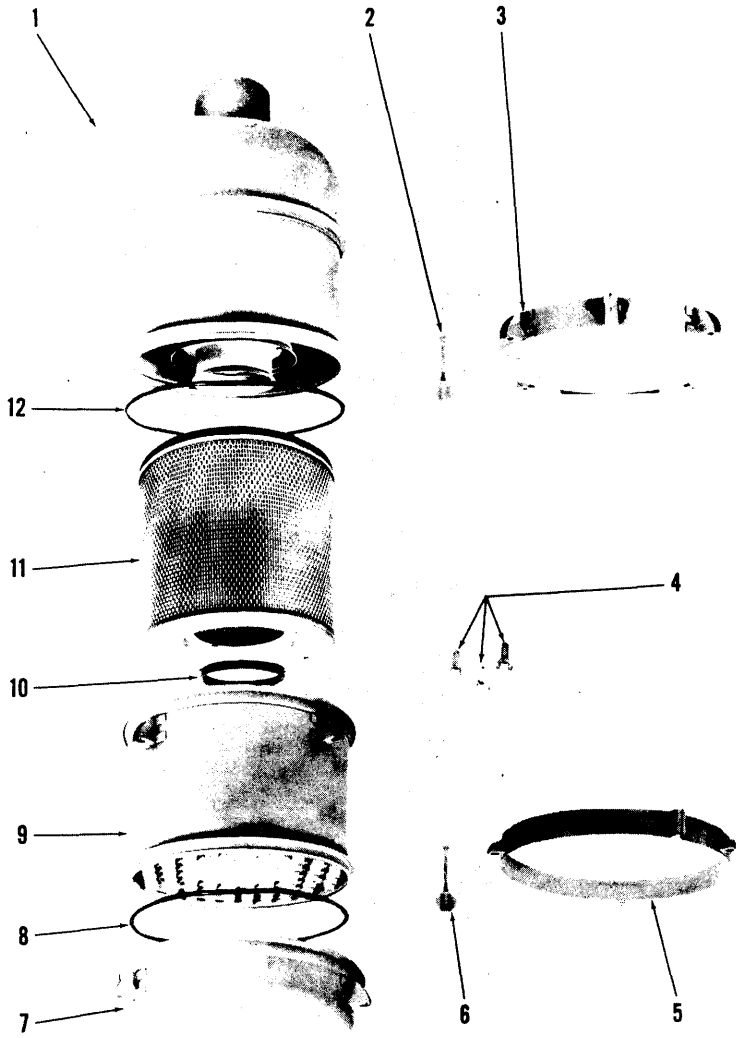
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AIR CLEANER AND MUFFLER — G.M.

Item No.	Part No.	Description	No. Req'd.
1	540781	EXTENSION, Air Cleaner	1
2	521686	CAP, Air Cleaner	1
3	2C-612	BOLT, Air Cleaner Mounting	4
4	540797	CLAMP, Hose to Air Cleaner	1
5	513864	HOSE, Air Cleaner to Tube	1
6	540797	CLAMP, Hose to Tube	1
7	541869	CLAMP, Tailpipe to Muffler	2
8	541870	TAILPIPE	1
9	540782	TUBE, Air Inlet	1
10	541870	TAILPIPE	1
11	540103	CLAMP, Hose	2
12	529979	HOSE, Tube to Tube	1
13	540797	CLAMP, Tube to Hose	1
14	591123	HOSE, Tube to Flange	1
15	540797	CLAMP, Hose to Flange	1
16	1C-616	BOLT, Flange to Engine	4
17	4E-06	LKWSHR, Flange to Engine	4
18	540784	ADAPTER, Engine Air Intake	1
19	541990	GASKET, Flange to Engine	1
20	875012	GASKET, Compressor Elbow	1
21	2C-612	BOLT, Clip	1
22	6H-20	CLIP, Tube	1
23	18D-06	NUT, Clip	1
24	541999	BRACKET, Tube Clip	1
25	540799	TUBE, Compressor Air Intake	1
26	540103	CLAMP, Hose	1
27	529979	HOSE, Tube to Compressor Elbow	1
28	540103	CLAMP, Hose	1
29	540888	ELBOW, Compressor Inlet	1
30	4E-05	LKWSHR, Elbow to Compressor	2
31	1C-532	BOLT, Elbow to Compressor	2
32	539906	CLAMP, Exhaust Pipe to Manifold	1
33	541872	EXHAUST PIPE, R.H.	1
34	539906	CLAMP, Exhaust Pipe to Manifold	1
35	541871	EXHAUST PIPE, L.H.	1
36	541869	CLAMP, Exhaust Pipe to Muffler	2
37	2D-06	NUT, Muffler to Hood	4
38	4E-06	LKWSHR, Muffler to Hood	4
39	532686	STRAP, Muffler Mounting	2
40	2C-612	BOLT, Muffler to Hood	4
41	532603	MUFFLER	2
42	509763	STRAP, Air Cleaner Mounting	1
43	18D-06	NUT, Air Cleaner Mounting	4
44	509763	STRAP, Air Cleaner Mounting	2
45	———	AIR CLEANER (See Index)	1

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



TS-1922-P

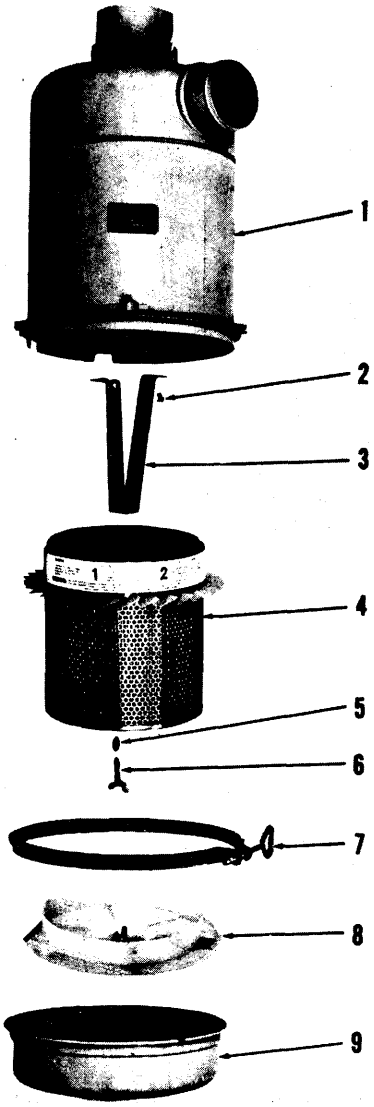
AIR CLEANER ASSEMBLY — CUMMINS

For Serial 2LC118 thru 2LC999

Item No.	Part No.	Description	No. Req'd.
A	532675	AIR CLEANER ASSY (Inc. 1 thru 12)	1
1	944655	BODY	1
2	944403	BOLT	4
2A	874964	†NUT, Bolt	4
3	944654	BAND, Upper	1
4	944405	WING NUT	3
5	532687	BAND, Lower	1
6	944650	BOLT	3
6A	874964	†NUT, Bolt	3
7	944649	CUP, Dust	1
8	944653	GASKET, Dust Cup	1
9	————	§DONACLONE ASSY (See "A")	—
10	944652	GASKET	1
11	944633	ELEMENT	1
12	944653	GASKET	1

†Not Illustrated
§Not Sold Separately

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



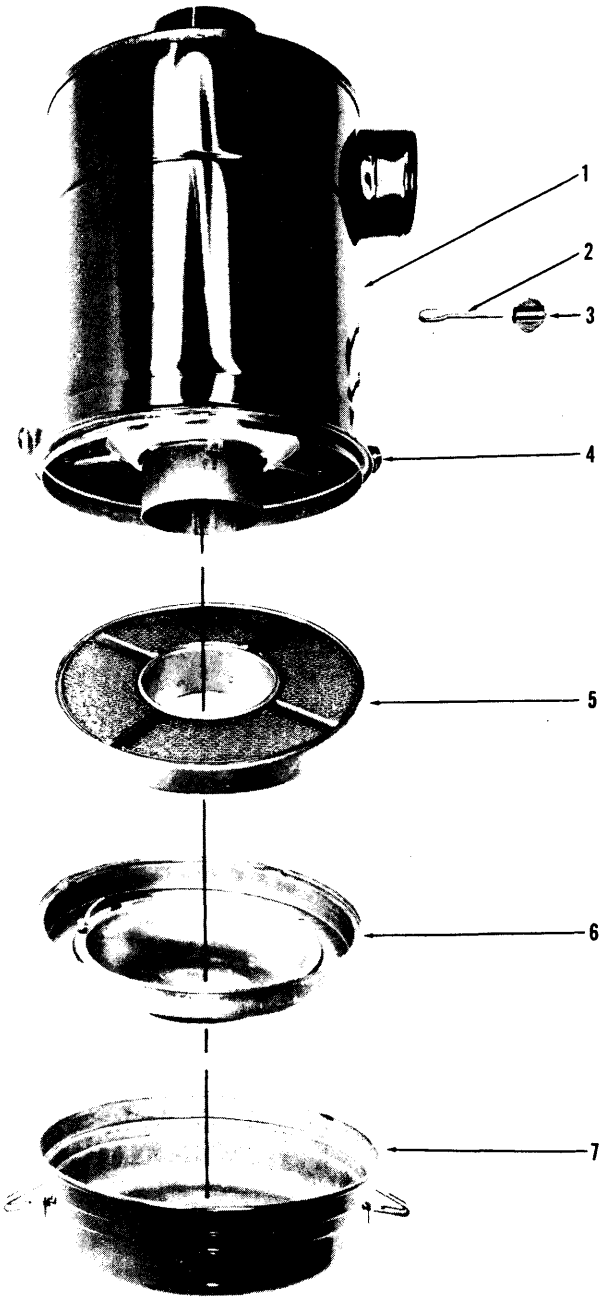
TS-3043-P

AIR CLEANER ASSEMBLY – G.M.

Item No.	Part No.	Description	No. Req'd.
A	540699	AIR CLEANER ASSY (Inc. 1 thru 9)	1
1	----	§BODY, Air Cleaner – See "A"	1
2	4G-508	SCREW, Yoke to Body	2
2A	8E-05	LKWSHR, Yoke to Body	2
3	944808	YOKE, Element Retaining	1
4	944809	ELEMENT	1
5	886287	WASHER	1
6	886285	THUMB SCREW	1
7	944810	CLAMP, Dust Cup	1
8	944784	BAFFLE	1
9	944785	CUP, Dust	1
9A	944404	†GASKET, Dust Cap	1

§Not Sold Separately
†Not Illustrated

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



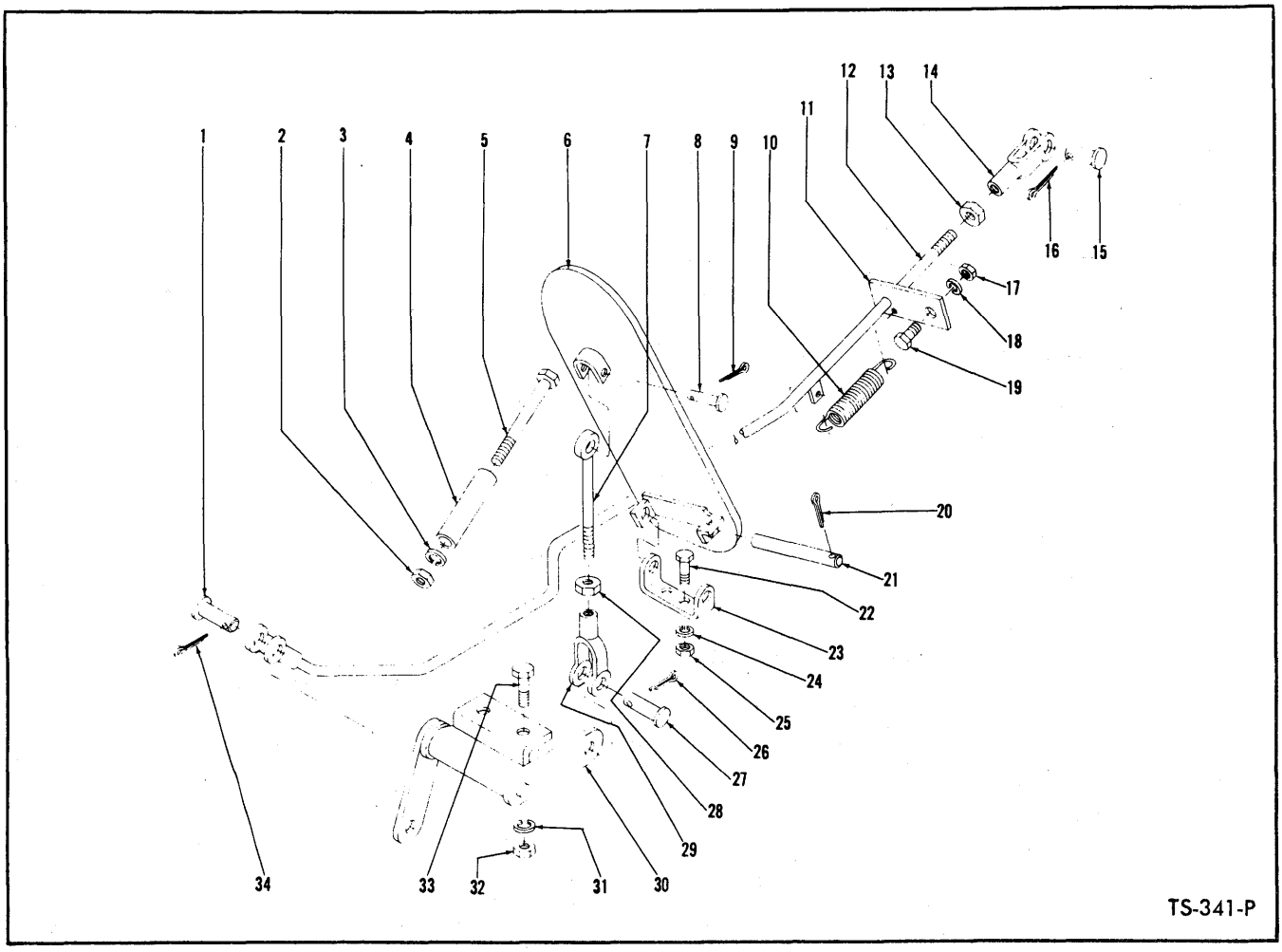
TS-4357

AIR CLEANER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	542333	AIR CLEANER ASSY (Inc. 1 thru 7)	1
1	———	§BODY (See "A")	—
2	891814	HOOK	2
3	891815	NUT, Wing	2
4	891813	BAND ASSY	1
5	891588	ELEMENT	1
6	891811	CUP, Inner Oil	1
7	891812	CUP, Outer Oil	1

§Not Sold Separately — Order Complete Assembly

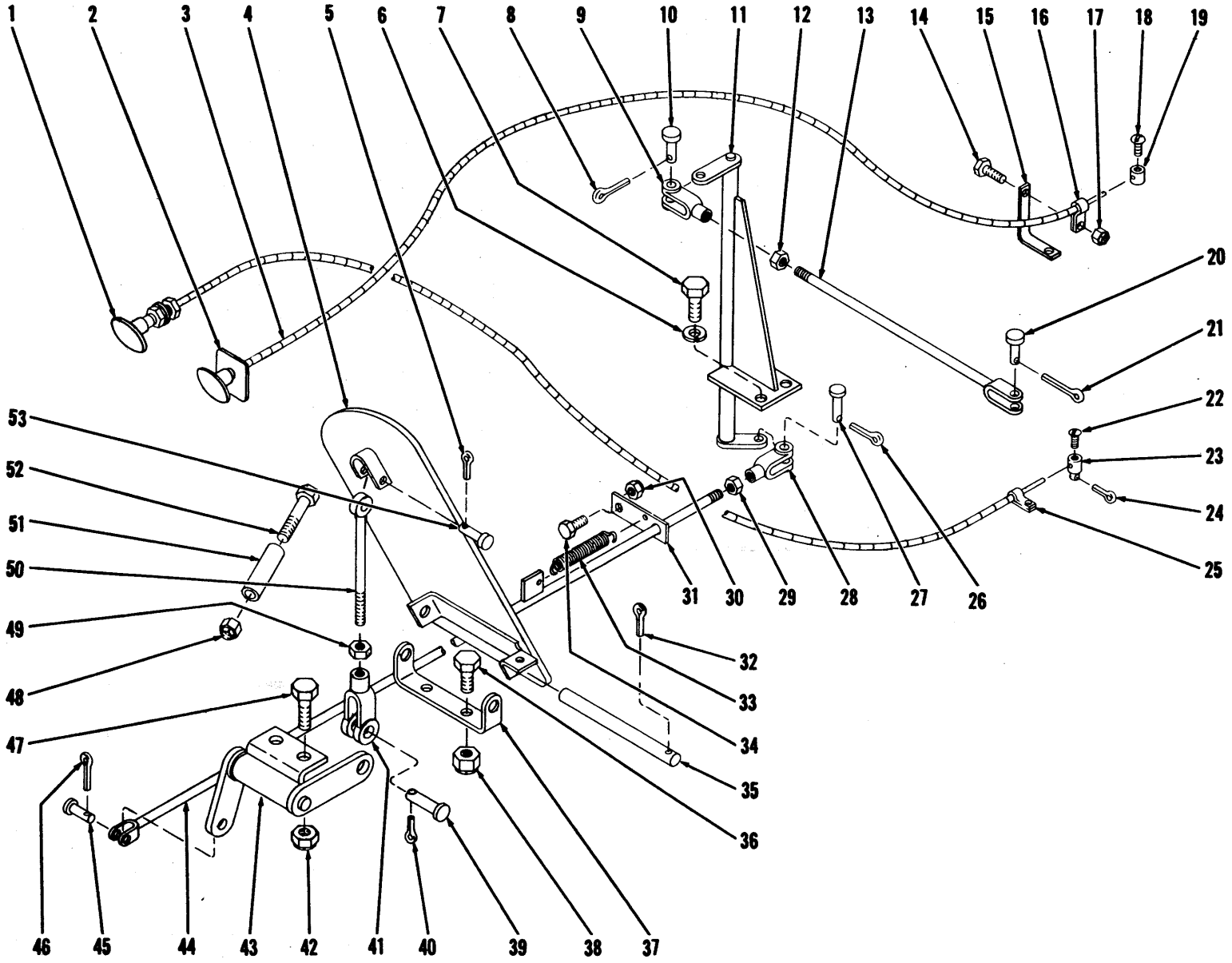
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



ACCELERATOR PEDAL AND LINKAGE — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	4F-04051	PIN, Rod to Bell Crank	1
2	2D-04	NUT, Pedal Stop to Floorboard	1
3	4E-04	LKWSHR, Pedal Stop to Floorboard	1
4	551016	STOP, Pedal	1
5	2C-448	BOLT, Pedal Stop to Floorboard	1
6	623829	PEDAL, Accelerator	1
7	550619	ROD, Pedal to Bell Crank	1
8	4F-04051	PIN, Pedal to Rod	1
9	1F-207	COTTER, Pedal to Rod Pin	1
10	551014	SPRING, Accelerator Rod Return	1
11	516178	GUIDE, Accelerator Rod	1
12	522568	ROD, Accelerator	1
13	8D-05	NUT, Clevis Jam	1
14	2J-5204	CLEVIS, Rod to Pump	1
15	4F-05062	PIN, Clevis to Pump	1
16	1F-312	COTTER, Clevis to Pump Pin	1
17	2D-06	NUT, Guide to Engine Support	1
18	4E-06	LKWSHR, Guide to Engine Support	1
19	2C-620	BOLT, Guide to Engine Support	1
20	1F-316	COTTER, Pedal to Bracket Pin	1
21	623762	PIN, Pedal to Bracket	1
22	2C-410	BOLT, Bracket to Floorboard	2
23	551015	BRACKET, Accelerator Pedal Pivot	1
24	4E-04	LKWSHR, Bracket to Floorboard	2
25	2D-04	NUT, Bracket to Floorboard	2
26	1F-207	COTTER, Clevis to Bell Crank Pin	1
27	4F-04051	PIN, Clevis to Bell Crank	1
28	8D-04	NUT, Clevis Jam	1
29	2J-4200	CLEVIS, Rod to Bell Crank	1
30	516175	BELL CRANK	1
31	4E-04	LKWSHR, Bell Crank to Floorboard	1
32	2D-04	NUT, Bell Crank to Floorboard	1
33	2C-410	BOLT, Bell Crank to Floorboard	1
34	1F-207	COTTER, Rod to Bell Crank Pin	1

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



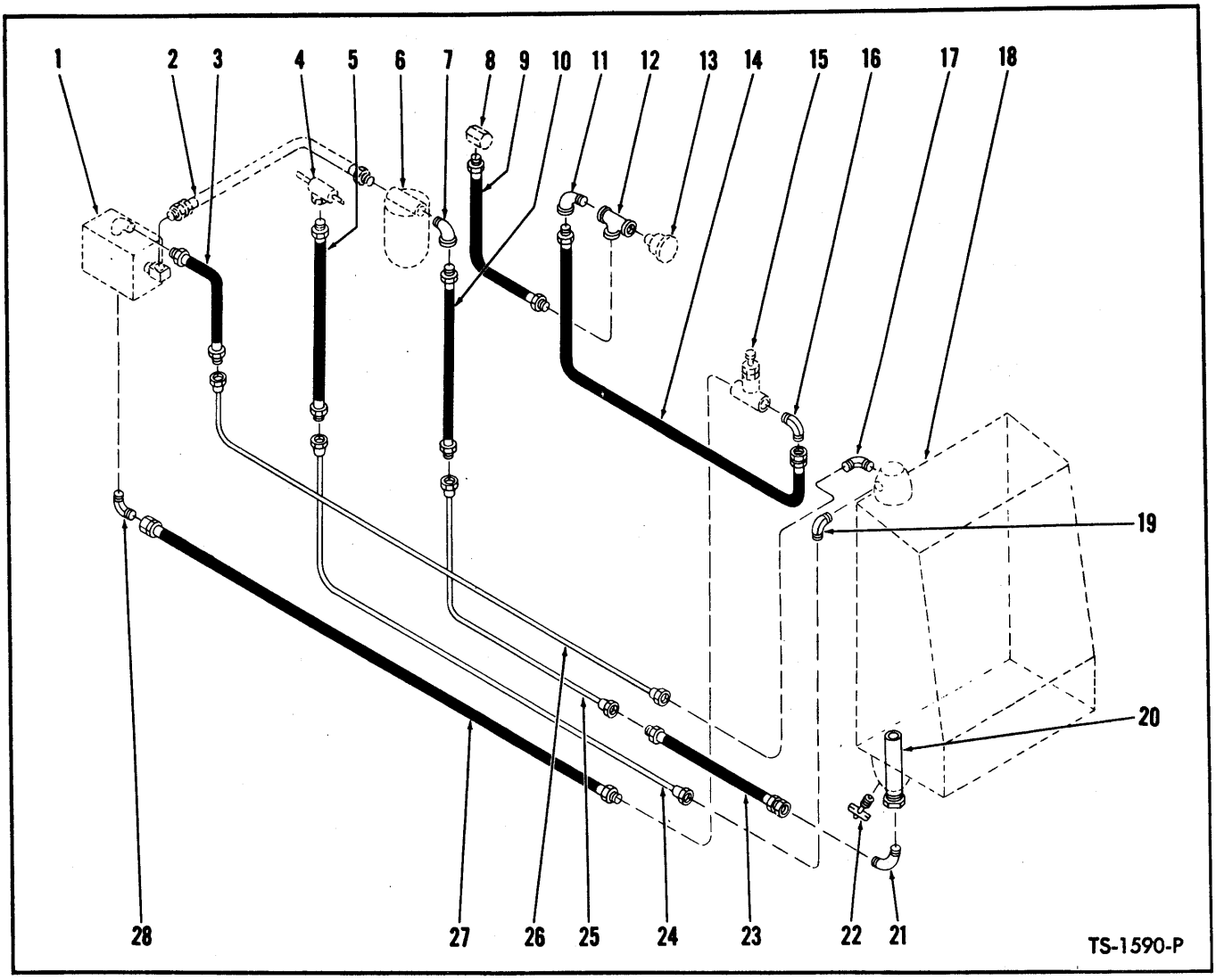
ACCELERATOR PEDAL AND LINKAGE — G.M.

TS-3032-P

ACCELERATOR PEDAL AND LINKAGE — G.M.

Item No.	Part No.	Description	No. Req'd.
1	541875	CABLE, Engine Shut-Off	1
2	531905	PLATE, Emergency Cable	1
3	541876	CABLE, Emergency Shut-Off	1
4	623829	PEDAL, Accelerator	1
5	1F-207	COTTER	1
6	4E-06	LKWSHR, Bell Crank to Flywheel Hsg.	2
7	17C-612	BOLT, Bell Crank to Flywheel Hsg.	2
8	1F-312	COTTER	1
9	2J-5204	CLEVIS, Rod to Bell Crank	1
10	4F-05062	PIN, Rod to Bell Crank Clevis	1
11	540940	BELL CRANK, Rear	1
12	8D-05	NUT, Clevis Jam	1
13	540938	ROD, Bell Crank to Engine	1
14	2C-612	BOLT, Clip to Bracket	1
15	542000	BRACKET, Clip Mounting	1
16	6H-4	CLIP, Emergency Shut-Off Cable	1
17	18D-06	NUT, Clip to Bracket	1
18	3G-1008	SCREW, Cable Connector	1
19	535003	CONNECTOR, Cable	1
20	4F-05062	PIN, Rod to Engine	1
21	1F-312	COTTER	1
22	3G-1008	SCREW, Cable Connector	1
23	351131	CONNECTOR, Cable	1
24	1F-308	COTTER	1
25	6H-4	CLIP, Engine Shut-Off Cable	1
26	1F-207	COTTER	1
27	4F-04051	PIN, Rod to Bell Crank Clevis	1
28	2J-4200	CLEVIS, Rod to Bell Crank	1
29	8D-04	NUT, Clevis Jam	1
30	18D-06	NUT, Guide to Frame	1
31	533487	GUIDE, Rod	1
32	1F-316	COTTER	1
33	551014	SPRING, Pedal Return	1
34	2C-620	BOLT, Guide to Frame	1
35	623762	PIN, Pedal to Bracket	1
36	2C-410	BOLT, Bracket to Floorboard	2
37	551015	BRACKET, Pedal Pivot	1
38	18D-04	NUT, Bracket to Floorboard	2
39	4F-04051	PIN, Rod to Bell Crank Clevis	1
40	1F-207	COTTER	1
41	2J-4200	CLEVIS, Rod to Bell Crank	1
42	18D-04	NUT, Bell Crank to Floorboard	1
43	550616	BELL CRANK, Front	1
44	540936	ROD, Bell Crank to Bell Crank	1
45	4F-04051	PIN, Rod to Bell Crank	1
46	1F-207	COTTER	1
47	2C-410	BOLT, Bell Crank to Floorboard	1
48	18D-04	NUT, Stop to Floorboard	1
49	8D-04	NUT, Clevis Jam	1
50	550619	ROD, Pedal to Bell Crank	1
51	551016	STOP, Pedal	1
52	2C-448	BOLT, Stop & Bell Crank to Floorb'd	1
53	4F-04051	PIN, Rod to Pedal	1

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

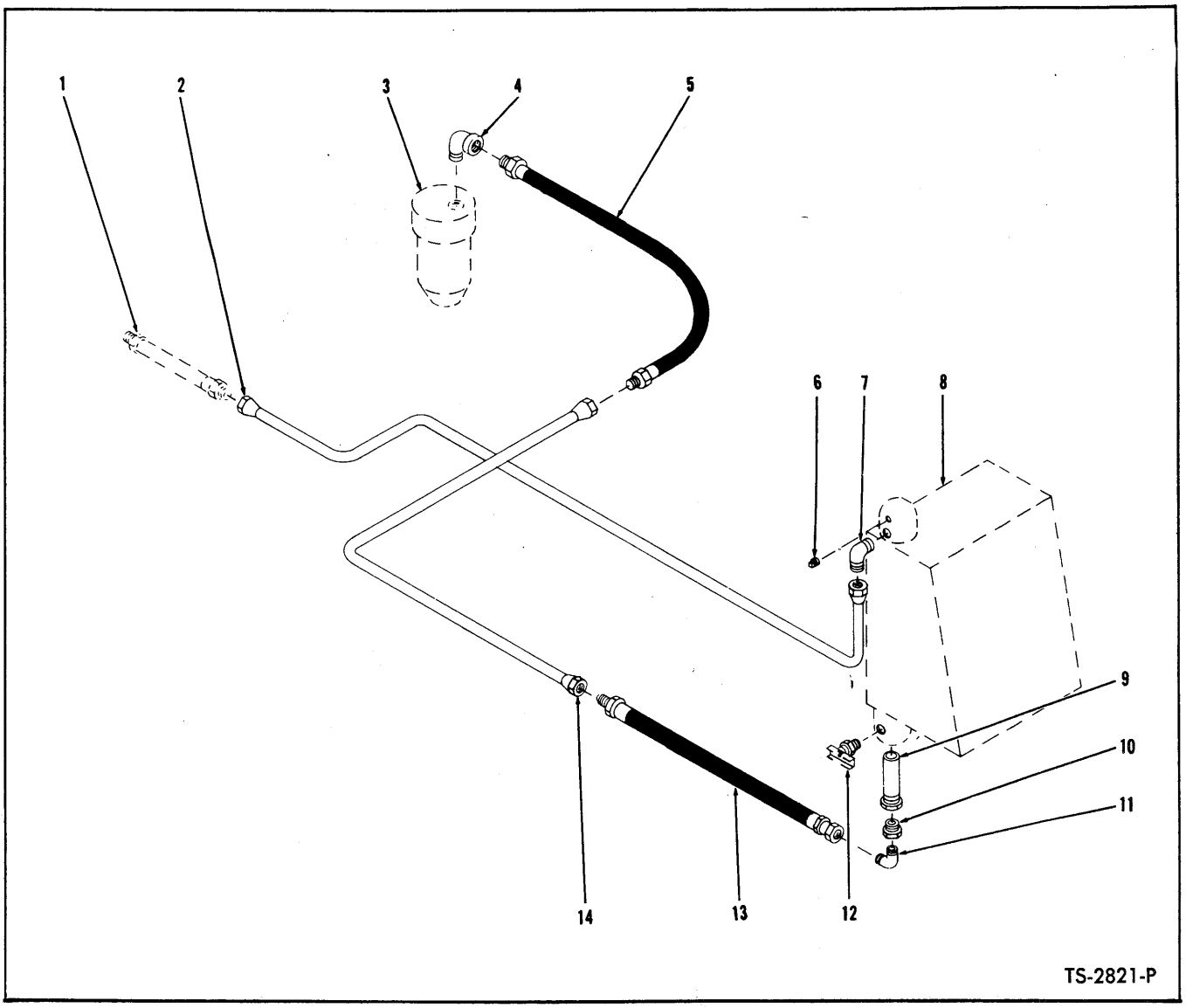


FUEL LINES — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	————	*FUEL PUMP	—
2	————	*HOSE, Filter to Pump	—
3	524960	HOSE, Pump to Return Line — For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1
4	————	*INJECTOR DRAIN MANIFOLD	—
5	524959	HOSE, Manifold to Return Line	1
6	————	*FUEL FILTER	—
7	519275	ADAPTER UNION, Hose to Filter (Inc. 7A)	1
7A	91F-7	†O-RING, Adapter Union	1
8	————	*PREHEATER NOZZLE	—
9	522576	HOSE, Tee to Nozzle	1
10	516316	HOSE, Line to Filter	1
11	30K-302	ELBOW, Hose to Tee	1
12	18F-1	TEE, Preheater Gauge	1
13	————	*PREHEATER GAUGE — Cummins 66735	—
14	524961	HOSE, Hand Pump to Tee	1
15	————	*PUMP, Hand-Primer — Cummins 100046	—
16	42F-3	ELBOW, Hose to Hand Pump	1
17	42F-6	ELBOW, Hose to Tank — For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1
17A	13F-06	†PLUG, For Serial 2LC115 thru 2LC999	1
18	————	FUEL TANK — See Index	—
19	42F-8	ELBOW, Line to Tank	1
20	522079	STANDPIPE, Fuel Tank	1
21	42F-9	ELBOW, Hose to Standpipe	1
22	73F-1	DRAINCOCK, Radiator	1
23	520361	HOSE, Tank to Supply Line	1
24	522572	LINE, Injector Return	1
25	522574	LINE, Fuel Supply	1
26	522573	LINE, Pump Return — For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1
27	522575	HOSE, Pump to Hand Pump	1
28	42F-3	ELBOW, Hose to Pump	1

*NOTE: See Cummins Engine Parts Book. Your local Cummins Engine Distributor is equipped to service and supply these parts.
†Not Illustrated

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

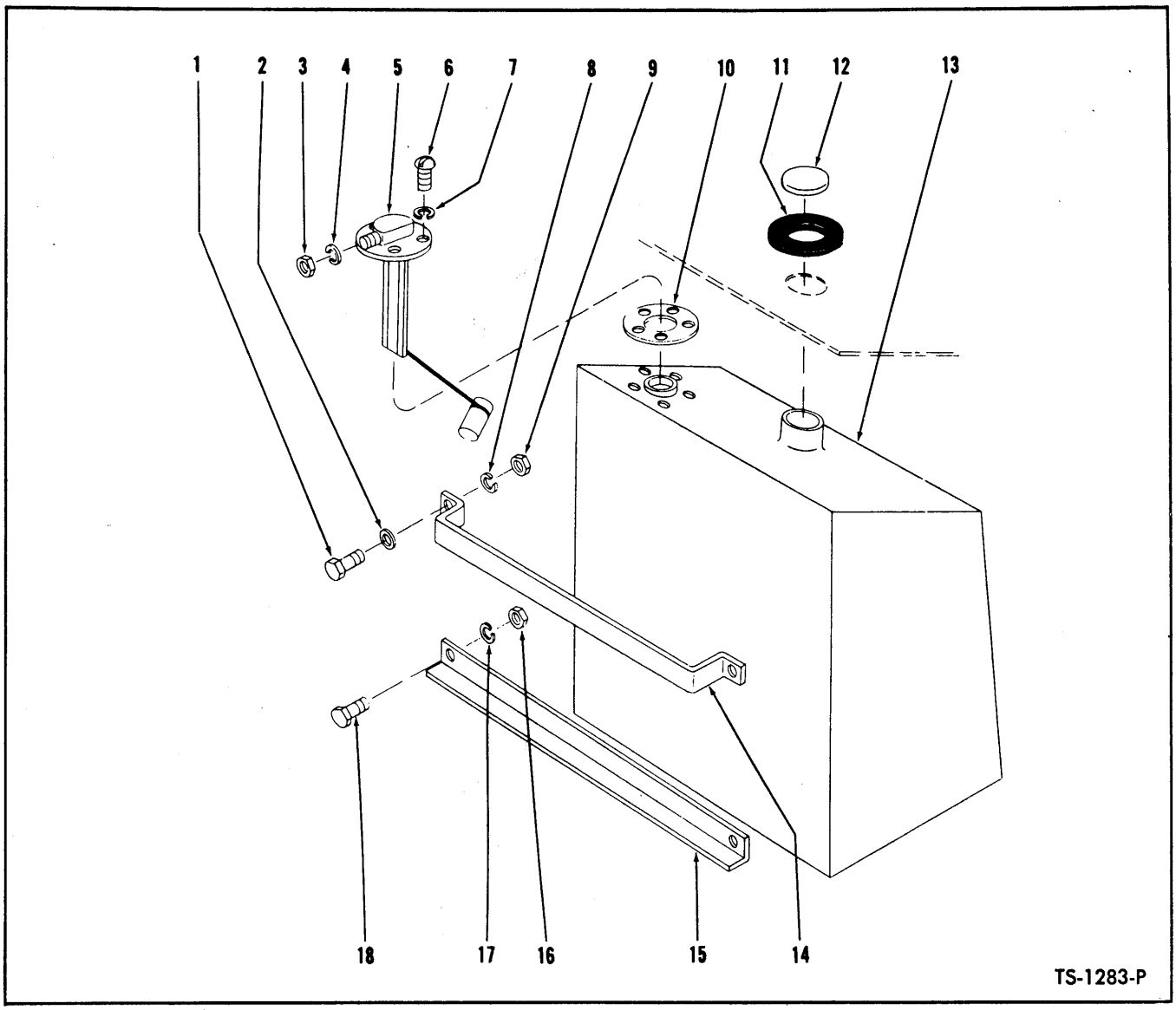


FUEL LINES — G.M.

Item No.	Part No.	Description	No. Req'd.
1	———	*HOSE, Fuel Return	1
2	540899	LINE, Fuel Return	1
3	———	*FUEL FILTER	1
4	30K-304	ELBOW, Hose to Filter	1
5	541724	HOSE, Fuel Line to Filter	1
6	13F-06	PLUG, Fuel Tank	1
7	42F-6	ELBOW, Line to Tank	1
8	———	FUEL TANK — See Index	1
9	522079	STANDPIPE, Fuel Tank	1
10	356615	BUSHING, Elbow to Tank	1
11	42F-6	ELBOW, Hose to Tank	1
12	73F-1	DRAIN COCK	1
13	541836	HOSE, Fuel Line to Tank	1
14	541835	LINE, Fuel Intake	1

*Furnished with engine. See your local G.M. Distributor for service or replacement.

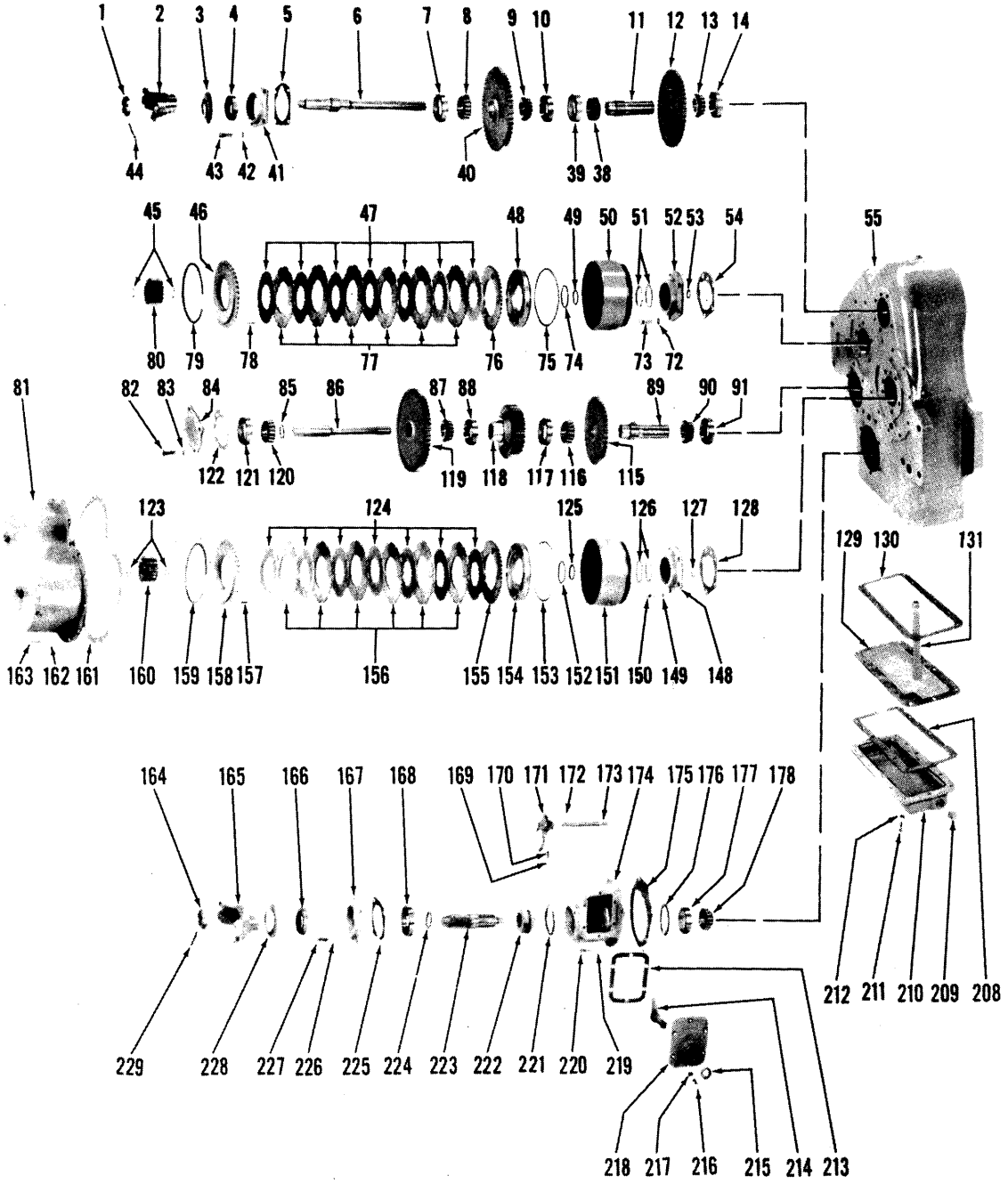
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



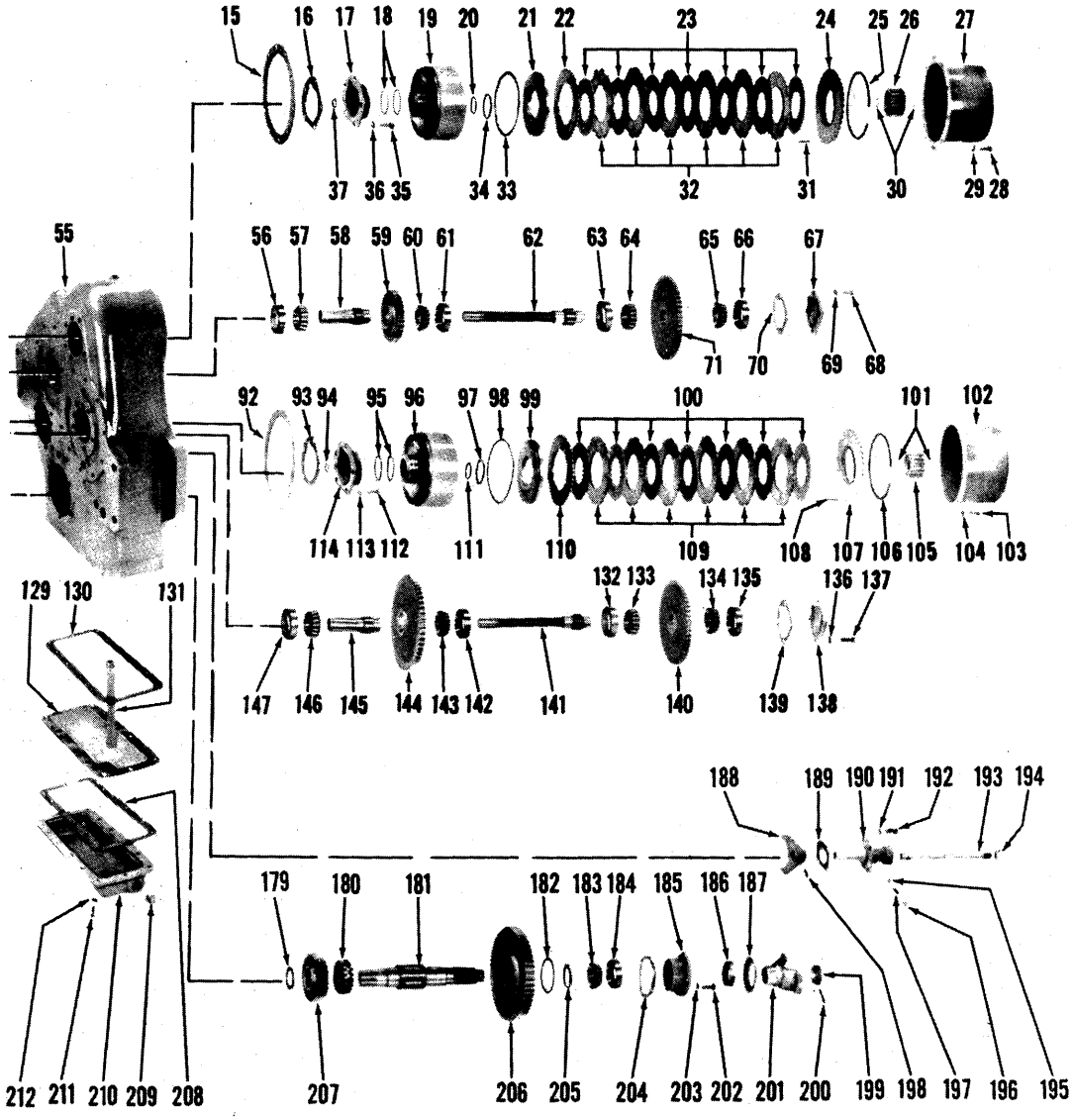
FUEL TANK

Item No.	Part No.	Description	No. Req'd.
1		*BOLT, Strap*	
1A	2C-628	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
1B	2C-636	For Serial: Cummins — 2LC62 thru 2LC999 G.M. — 2LG101 thru 2LG999	2
2	25E-18	WASHER, Strap	2
3	14D-10	NUT, Sender Terminal	1
4	12E-10	LKWSHR, Sender Terminal	1
5	947263	SENDER UNIT, Fuel Tank	1
6	3G-1008	SCREW, Sender Unit to Tank	5
7	12E-10	LKWSHR, Sender Unit to Tank	5
8	4E-06	LKWSHR, Strap — for Cummins Powered Machines only	2
9		*NUT, Strap*	
9A	2D-06	For Cummins Powered Machines	2
9B	18D-06	For G.M. Powered Machines	2
10	627982	GASKET, Sender Unit	1
11	525233	GROMMET, Fuel Tank Cap	1
12	539837	CAP, Fuel Tank	1
13	525151	TANK, Fuel	1
14	525234	STRAP, Fuel Tank	1
15	525232	ANGLE, Fuel Tank (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	1
16	2D-08	NUT, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2
17	4E-08	LKWSHR, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2
18	2C-836	BOLT, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2

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



TRANSMISSION ASSEMBLY TS-1615



TRANSMISSION ASSEMBLY

TS-1615

TRANSMISSION ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	280070	TRANSMISSION ASSY (Inc. 1 thru 230) — R-400FS-5	1
1	205928	NUT, Input Flange	1
2	209618	FLANGE ASSY, Input (Inc. 3)	1
3	101222	DEFLECTOR, Input Flange	1
4	209623	SEAL, Input Shaft Oil	1
5	209620	‡SHIM, Bearing Cap — .004	—
5A	209621	‡SHIM, Bearing Cap — .007	—
5B	209622	‡SHIM, Bearing Cap — .010	—
6	220164	SHAFT, Input	1
7	658998	CUP, Input Shaft Bearing	1
8	675230	CONE, Input Shaft Bearing	1
9	675230	CONE, Input Shaft Bearing	1
10	658998	CUP, Input Shaft Bearing	1
11	220163	SHAFT, Forward Gear Quill	1
12	209627	GEAR, Input Shaft Forward (54T)	1
13	731253	CONE, Input Shaft Bearing	1
14	658998	CUP, Input Shaft Bearing	1
15	221400	GASKET, Clutch Cover	1
16	209676	‡SHIM, Clutch Bearing Cap — .004	—
16A	209677	‡SHIM, Clutch Bearing Cap — .007	—
16B	209678	‡SHIM, Clutch Bearing Cap — .010	—
16C	221207	‡SHIM, Clutch Bearing Cap — .020	—
17	220178	CAP, Clutch Bearing	1
18	209673	RING, Hub Oil Seal	2
19	222408	DRUM ASSY, Clutch (Inc. 19A, 19B)	1
19A	222407	†HOUSING, Bleed Valve	1
19B	10J-06	†BALL, Bleed Valve	1
20	224105	RING, Clutch Drum Hub Retaining	1
21	221513	PISTON, Clutch	1
22	221512	DISC, Clutch Outer	1
23	209929	DISC, Clutch Inner	7
24	209672	PLATE, Clutch Disc End	1
25	223957	RING, End Plate Retaining	1
26	220179	HUB, Clutch Disc	1
27	209599	COVER, Clutch	1
28	1C-614	BOLT, Clutch Cover	10
29	4E-06	LKWSHR, Clutch Cover	10
30	224104	RING, Clutch Disc Hub Retaining	2
31	220186	SPRING, Clutch Disc Release	12
32	209669	DISC, Clutch Outer	6
33	220185	SEAL, Clutch Piston Outer	1
34	209673	RING, Clutch Piston Inner Sealing	1
35	1C-822	BOLT, Bearing Cap	5
36	7E-08	LKWSHR, Bearing Cap	5
37	25K-30016	"O" RING, Bearing Cap	1
38	731253	CONE, Input Shaft Bearing	1
39	658998	CUP, Input Shaft Bearing	1
40	209626	GEAR, Input Shaft Reverse (57T)	1
41	209619	CAP, Input Shaft Bearing	1
42	4E-08	LKWSHR, Bearing Cap	4
43	1C-822	BOLT, Bearing Cap	4
44	1F-432	COTTER, Input Flange Nut	1
45	224104	RING, Clutch Disc Hub Retaining	2
46	209672	PLATE, Clutch Disc End	1
47	209929	DISC, Clutch Inner	7
48	221513	PISTON, Clutch	1
49	224105	RING, Clutch Drum Hub Retaining	1
50	222408	DRUM ASSY, Clutch (Inc. 50A, 50B)	1
50A	222407	†HOUSING, Bleed Valve	1
50B	10J-06	†BALL, Bleed Valve	1
51	209673	RING, Hub Oil Seal	2
52	220178	CAP, Clutch Bearing	1
53	25K-30016	"O" RING, Bearing Cap	1
54	209676	‡SHIM, Clutch Bearing Cap — .004	—
54A	209677	‡SHIM, Clutch Bearing Cap — .007	—
54B	209678	‡SHIM, Clutch Bearing Cap — .010	—
54C	221207	‡SHIM, Clutch Bearing Cap — .020	—
55	220671	CASE, Transmission	1
56	658998	CUP, 1st & 3rd Shaft Bearing	1
57	731253	CONE, 1st & 3rd Shaft Bearing	1
58	220163	SHAFT, 1st & 3rd Quill	1
59	209628	GEAR, 1st & 3rd Drive (37T)	1
60	731253	CONE, 1st & 3rd Shaft Bearing	1
61	658998	CUP, 1st & 3rd Shaft Bearing	1
62	220162	SHAFT, 1st & 3rd Drive	1
63	658998	CUP, 1st & 3rd Shaft Bearing	1
64	675230	CONE, 1st & 3rd Shaft Bearing	1
65	675230	CONE, 1st & 3rd Shaft Bearing	1
66	658998	CUP, 1st & 3rd Shaft Bearing	1
67	209613	CAP, 1st & 3rd Drive Shaft Bearing	1
68	1C-822	BOLT, Bearing Cap	4
69	4E-08	LKWSHR, Bearing Cap	4
70	209614	‡SHIM, Bearing Cap — .004	—
70A	209615	‡SHIM, Bearing Cap — .007	—
70B	209616	‡SHIM, Bearing Cap — .010	—
71	209629	GEAR, 1st & 3rd Drop (55T)	1
72	7E-08	LKWSHR, Bearing Cap	5
73	1C-822	BOLT, Bearing Cap	5
74	209673	RING, Clutch Piston Inner Sealing	1
75	220185	SEAL, Clutch Piston Outer	1
76	221512	DISC, Clutch Outer	1
77	209669	DISC, Clutch Outer	6
78	220186	SPRING, Clutch Disc Release	12
79	223957	RING, End Plate Retaining	1
80	220179	HUB, Clutch Disc	1
81	209598	COVER, Clutch	1
82	1C-824	BOLT, Bearing Cap	5

‡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.
83	4E-08	LKWSHR, Bearing Cap	5
84	209630	CAP, 2nd & 4th Bearing	1
85	224065	RING, 2nd & 4th High Gear Locating	1
86	220165	SHAFT, 2nd & 4th Drive	1
87	710789	CONE, 2nd & 4th Shaft Bearing	1
88	710788	CUP, 2nd & 4th Shaft Bearing	1
89	220163	SHAFT, 2nd & 4th Quill	1
90	731253	CONE, 2nd & 4th Shaft Bearing	1
91	658998	CUP, 2nd & 4th Shaft Bearing	1
92	221400	GASKET, Clutch Cover	1
93	209676	‡SHIM, Clutch Bearing Cap — .004	—
93A	209677	‡SHIM, Clutch Bearing Cap — .007	—
93B	209678	‡SHIM, Clutch Bearing Cap — .010	—
93C	221207	‡SHIM, Clutch Bearing Cap — .020	—
94	25K-30016	"O" RING, Bearing Cap	1
95	209673	RING, Hub Oil Seal	2
96	222408	DRUM ASSY, Clutch (Inc. 96A, 96B)	1
96A	222407	†HOUSING, Bleed Valve	1
96B	10J-06	†BALL, Bleed Valve	1
97	209673	RING, Clutch Piston Inner Sealing	1
98	220185	SEAL, Clutch Piston Outer	1
99	221513	PISTON, Clutch	1
100	209929	DISC, Clutch Inner	7
101	224104	RING, Clutch Disc Hub Retaining	2
102	209599	COVER, Clutch	1
103	1C-614	BOLT, Clutch Cover	10
104	4E-06	LKWSHR, Clutch Cover	10
105	220179	HUB, Clutch Disc	1
106	223957	RING, End Plate Retaining	1
107	209672	PLATE, Clutch Disc End	1
108	220186	SPRING, Clutch Disc Release	12
109	209669	DISC, Clutch Outer	6
110	221512	DISC, Clutch Outer	1
111	224105	RING, Hub Retaining	1
112	1C-822	BOLT, Clutch Bearing Cap	5
113	7E-08	LKWSHR, Clutch Bearing Cap	5
114	220178	CAP, Clutch Bearing	1
115	209627	GEAR, 2nd & 4th Drive (54T)	1
116	731253	CONE, 2nd & 4th Shaft Bearing	1
117	658998	CUP, 2nd & 4th Shaft Bearing	1
118	209636	GEAR, 2nd & 4th Low Drive (40T)	1
119	209635	GEAR, 2nd & 4th Drive Shaft Hi. (73T)	1
120	658982	CONE, 2nd & 4th Shaft Bearing	1
121	658997	CUP, 2nd & 4th Shaft Bearing	1
122	209631	‡SHIM, 2nd & 4th Bearing Cap — .004	—
122A	209632	‡SHIM, 2nd & 4th Bearing Cap — .007	—
122B	209633	‡SHIM, 2nd & 4th Bearing Cap — .010	—
123	224104	RING, Clutch Disc Hub Retaining	2
124	209929	DISC, Clutch Inner	7
125	224105	RING, Hub Retaining	1
126	209673	RING, Hub Oil Seal	2
127	25K-30016	"O" RING, Bearing Cap	1
128	209676	‡SHIM, Clutch Bearing Cap — .004	—
128A	209677	‡SHIM, Clutch Bearing Cap — .007	—
128B	209678	‡SHIM, Clutch Bearing Cap — .010	—
128C	221207	‡SHIM, Clutch Bearing Cap — .020	—
129	220669	SCREEN, Sump	1
129A	525293	†MAGNET, Sump Screen	1
129B	223780	†SPRING, Magnet Retaining	1
130	209353	GASKET, Oil Pan	1
131	220673	PIPE, Oil Suction	1
132	658998	CUP, Reverse Shaft Bearing	1
133	675230	CONE, Reverse Shaft Bearing	1
134	675230	CONE, Reverse Shaft Bearing	1
135	658998	CUP, Reverse Shaft Bearing	1
136	4E-08	LKWSHR, Reverse Bearing Cap	4
137	1C-822	BOLT, Reverse Bearing Cap	4
138	209613	CAP, Reverse Bearing	1
139	209614	‡SHIM, Reverse Bearing Cap — .004	—
139A	209615	‡SHIM, Reverse Bearing Cap — .007	—
139B	209616	‡SHIM, Reverse Bearing Cap — .010	—
140	209612	GEAR, Reverse Idler (52T)	1
141	220162	SHAFT, Reverse	1
142	658998	CUP, Reverse Shaft Bearing	1
143	731253	CONE, Reverse Shaft Bearing	1
144	209627	GEAR, Reverse Shaft Drive (54T)	1
145	220163	SHAFT, Reverse Quill	1
146	731253	CONE, Reverse Shaft Bearing	1
147	658998	CUP, Reverse Shaft Bearing	1
148	220178	CAP, Clutch Bearing	1
149	7E-08	LKWSHR, Clutch Bearing Cap	5
150	1C-822	BOLT, Clutch Bearing Cap	5
151	222408	DRUM ASSY, Clutch	1
151A	222407	†HOUSING, Bleed Valve	1
151B	10J-06	†BALL, Bleed Valve	1
152	209673	RING, Clutch Piston Inner Sealing	1
153	220185	SEAL, Clutch Piston Outer	1
154	221513	PISTON, Clutch	1
155	221512	DISC, Clutch Outer	1
156	209669	DISC, Clutch Outer	6
157	220186	SPRING, Clutch Disc Release	12
158	209672	PLATE, Clutch Disc End	1
159	223957	RING, End Plate Retaining	1
160	220179	HUB, Clutch Disc	1
161	209607	GASKET, Clutch Cover	1
162	4E-06	LKWSHR, Clutch Cover	16
163	1C-614	BOLT, Clutch Cover	16
164	201262	NUT, Output Shaft Flange	1

‡As Required
†Not Illustrated

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

TRANSMISSION ASSEMBLY (Continued)

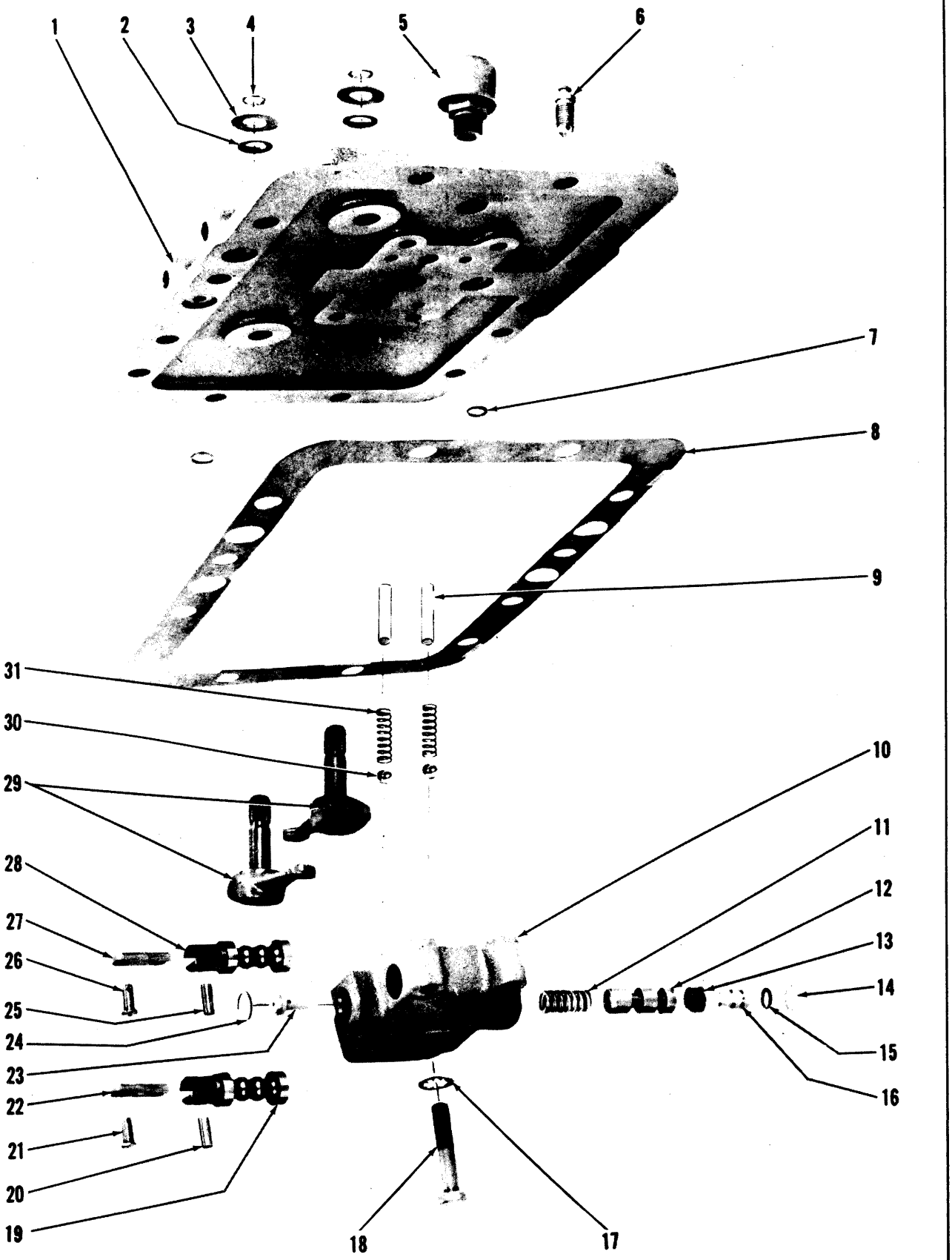
Item No.	Part No.	Description	No. Req'd.
165	209638	FLANGE ASSY, Output (Inc. 228)	1
166	209623	SEAL, Flange Oil	1
167	209654	CAP, Output Shaft Bearing	1
168	713998	BEARING, Output Shaft	1
169	10J-14	BALL, Mesh Lock	1
170	201413	SPRING, Mesh Lock	1
171	220177	FORK, Rear Output Shaft Shift	1
172	201929	PLATE, Shift Shaft Lock	1
173	209661	SHAFT, Rear Output Shaft Shift	1
174	209656	HOUSING, Rear Output Shaft	1
175	209657	SHIM, Rear Output Shaft Housing	1
176	223885	RING, Output Shaft Brg. Retaining	1
177	658998	CUP, Output Shaft Bearing	1
178	731253	CONE, Output Shaft Bearing	1
179	220172	WASHER, Output Shaft High Gear Retaining	1
180	220166	HUB, Work & Travel Range Shift	1
181	220173	SHAFT, Output (Inc. Bushing)	1
182	209708	RING, Low Gear Oil	1
183	675229	CONE, Output Shaft Bearing	1
184	658998	CUP, Output Shaft Bearing	1
185	209704	CAP, Output Shaft Bearing	1
186	209623	SEAL, Output Shaft Front Oil	1
187	101222	DEFLECTOR, Output Flange	1
188	220167	FORK, High & Low Shift	1
189	209406	GASKET, Shift Shaft Support	1
190	209405	SUPPORT, Shift Shaft	1
191	4E-06	LKWSHR, Shift Shaft Support	4
192	1C-616	BOLT, Shift Shaft Support	4
193	209641	SHAFT, High & Low Shift	1
194	208871	SEAL, Shift Shaft Support Oil	1
195	10J-12	BALL, Mesh Lock	1
196	40K-04	PLUG, Mesh Lock	1
197	201844	SPRING, Mesh Lock	1
198	201566	SCREW, Fork Lock	1
199	201262	NUT, Output Shaft Flange	1
200	1F-440	COTTER, Flange Nut	1
201	209638	FLANGE ASSY, Output (Inc. 187)	1
202	1C-822	BOLT, Bearing Cap	4
203	4E-08	LKWSHR, Bearing Cap	4
204	209705	‡SHIM, Bearing Cap — .004	—
204A	209706	‡SHIM, Bearing Cap — .007	—
204B	209707	‡SHIM, Bearing Cap — .010	—
205	200235	WASHER, Output Shaft Thrust	1
206	800667	GEAR, Output Shaft Low (Inc. 182, 206A) (69T)	1
206A	209647	†BUSHING, Low Gear	1
207	220168	GEAR, Output Shaft High (Inc. 207A) (37T)	1
207A	220171	†BUSHING, High Gear	1
208	209353	GASKET, Oil Pan	1
209	201120	PLUG, Drain — Magnetic	1
210	215644	PAN, Oil	1
211	1C-616	BOLT, Oil Pan	14
212	4E-06	LKWSHR, Oil Pan	14
213	209659	GASKET, Rear Output Housing Cover	1
214	209726	ARM, Shift Lever	1
215	200133	SEAL, Shift Lever Arm Oil	1
216	1C-618	BOLT, Housing Cover	6
217	4E-06	LKWSHR, Housing Cover	6
218	209658	COVER, Rear Output Shaft Housing	1
219	4E-08	LKWSHR, Rear Output Shaft Housing	7
220	1C-822	BOLT, Rear Output Shaft Housing	7
221	223856	RING, Bearing Locating	1
222	220176	HUB, Rear Output Shaft Shift	1
223	220175	SHAFT, Rear Output	1
224	224075	RING, Rear Output Shaft Locating	1
225	209655	GASKET, Bearing Cap	1
226	4E-08	LKWSHR, Bearing Cap	4
227	1C-822	BOLT, Bearing Cap	4
228	101222	DEFLECTOR, Output Flange	1
229	1F-440	COTTER, Flange Nut	1
230	207024	††WASHER, Shift Stop	—
231	223885	†RING, Reverse & Input Brg. Locating	4

TRANSMISSION MOUNTING PARTS

232	540518	*†MOUNT, Transmission — R.H.	1
233	588153	*†MOUNT, Transmission — L.H.	1
234	18C-1456	†BOLT, Transmission to Mount	8
235	18D-14	†NUT, Transmission to Mount	8
236	18C-1044	†BOLT, Mount to Frame	4
237	68D-10	†NUT, Mount to Frame	8
238	525293	†MAGNET, Oil Sump Screen	1
239	516955	†SPRING, Magnet Retaining	1

‡As Required
†Not Illustrated
*NOTE: When installing 540518 R.H. or 588153 L.H. on Machine Serial 2892 thru 2942, 2LC52 thru 2LC156, both items 232 and 233 must be changed at the same time.

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



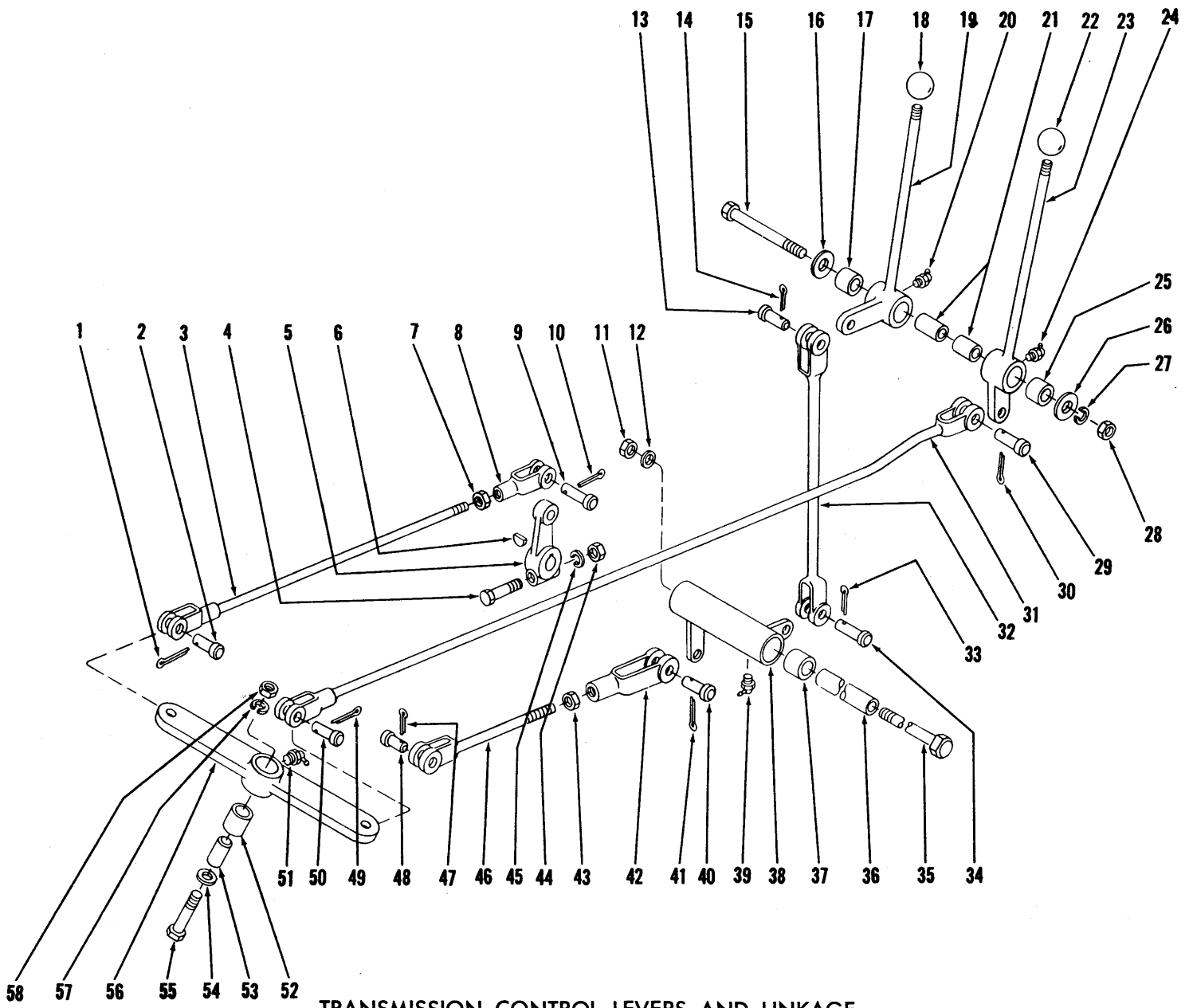
TRANSMISSION CONTROL COVER ASSEMBLY TS-3816-P-48-55G

TRANSMISSION CONTROL COVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	800660	COVER ASSY, Control (Inc. 1 thru 31, 34)	1
B	227968	VALVE ASSY, Selector Control (Inc. 10 thru 16, 19, 20, 22, 23, 24, 25, 27, 28)	1
1	209662	COVER, Control	1
2	208812	SEAL, Selector Arm Oil	2
3	25E-21	WASHER, Oil Seal Retaining	2
4	25K-30016	"O" RING, Oil Seal Washer Retaining	2
5	104942	BREATHER, Control Cover	1
6	208805	VALVE, Brake Bleeder	1
7	25K-30016	"O" RING, Control Cover Oil Passage	5
8	209663	GASKET, Cover to Transmission Case	1
9	209874	STOP, Selector Valve Detent Spring	2
10	209380	HOUSING, Selector Valve	1
11	220363	SPRING, Shutoff Valve	1
12	208815	VALVE, Selector Shutoff	1
13	227874	CUP, Shutoff Valve Sealing	1
14	223944	RING, Shutoff Valve Stop Retaining	1
15	25K-30014	"O" RING, Shutoff Valve Stop	1
16	209878	STOP, Shutoff Valve	1
17	6E-06	LKWSHR, Valve to Cover	4
18	1C-626	BOLT, Valve to Cover	4
19	————	§VALVE, Selector – See "B"	1
20	208809	PIN, Selector Valve Link	1
21	208810	PIN, Selector Valve Link Clevis	1
21A	1F-208	†COTTER, Clevis Pin	1
22	209382	LINK, Selector Valve	1
23	227873	GUIDE, Shutoff Valve Spring	1
24	223944	RING, Spring Guide Retaining	1
25	208809	PIN, Selector Valve Link	1
26	208810	PIN, Selector Valve Link Clevis	1
26A	1F-208	†COTTER, Clevis Pin	1
27	209382	LINK, Selector Valve	1
28	————	§VALVE, Selector – See "B"	1
29	209690	ARM, Selector	2
30	10J-12	BALL, Selector Valve Detent	2
31	203647	SPRING, Selector Valve Detent	2
32	1C-718	†BOLT, Cover to Case	11
33	4E-07	†LKWSHR, Cover to Case	11
34	40K-02	†PLUG, Control Cover Oil Passage	5

†Not Illustrated

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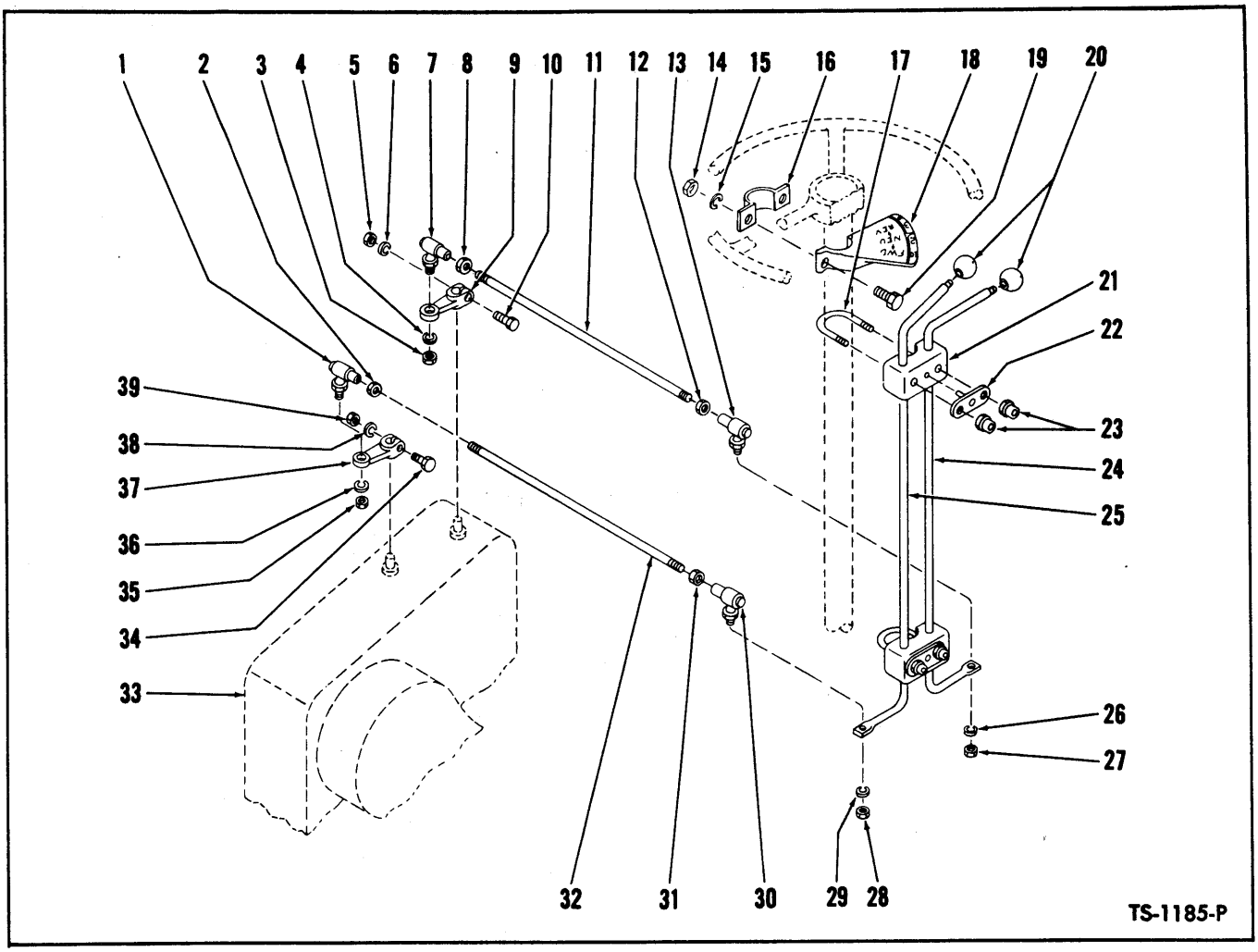
TRANSMISSION CONTROL LEVERS AND LINKAGE

TS-1188-P

TRANSMISSION CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.
1	1F-414	COTTER, Clevis Pin	1
2	4F-08127	PIN, Rod to Transmission	1
3	525670	ROD, 4 Wheel Drive Shift — Lower	1
4	2C-628	BOLT, Lever Clamp	1
5	551410	LEVER, Rod to Transmission	1
6	5J-606	KEY, Lever	1
7	8D-08	NUT, Clevis Jam	1
8	2J-8300	CLEVIS, Rod to Lever	1
9	4F-08127	PIN, Clevis to Lever	1
10	1F-414	COTTER, Clevis Pin	1
11	2D-10	NUT, Bell Crank Mounting	1
12	4E-10	LKWSHR, Bell Crank Mounting	1
13	4F-08127	PIN, Rod to Lever	1
14	1F-414	COTTER, Clevis Pin	1
15	2C-868	BOLT, Lever Mounting	1
16	616796	WASHER, Lever Mounting	1
17	526767	BUSHING, Range Lever	1
18	509772	KNOB, Range Lever	1
19	550677	LEVER, Range	1
20	12H-15	FITTING, Range Lever Grease	1
21	550646	SLEEVE, Lever Mounting	2
22	509772	KNOB, 4 Wheel Drive Lever	1
23	550685	LEVER, 4 Wheel Drive Shift	1
24	12H-15	FITTING, 4 Wheel Drive Lever Grease	1
25	526767	BUSHING, 4 Wheel Drive Lever	1
26	616796	WASHER, Lever Mounting	1
27	4E-08	LKWSHR, Lever Mounting	1
28	2D-08	NUT, Lever Mounting	1
29	4F-08127	PIN, Rod to Lever	1
30	1F-414	COTTER, Clevis Pin	1
31	525673	ROD, 4 Wheel Drive Shift — Upper	1
32	551413	ROD, Range Shift — Upper	1
33	1F-414	COTTER, Clevis Pin	1
34	4F-08127	PIN, Rod to Bell Crank	1
35	14C-10154	BOLT, Bell Crank Mounting	1
36	551277	SLEEVE, Bell Crank Mounting	1
37	526767	BUSHING, Bell Crank	2
38	551275	BELL CRANK	1
39	12H-15	FITTING, Bell Crank Grease	1
40	4F-08127	PIN, Clevis to Bell Crank	1
41	1F-414	COTTER, Clevis Pin	1
42	2J-8300	CLEVIS, Rod to Bell Crank	1
43	8D-08	NUT, Clevis Jam	1
44	2D-06	NUT, Lever Clamp	1
45	4E-06	LKWSHR, Lever Clamp	1
46	518697	ROD, Range Shift — Lower	1
47	1F-310	COTTER, Clevis Pin	1
48	4F-06106	PIN, Rod to Transmission	1
49	1F-414	COTTER, Clevis Pin	1
50	4F-08127	PIN, Rod to Bell Crank	1
51	12H-15	FITTING, Bell Crank Grease	1
52	526767	BUSHING, Bell Crank	1
53	550646	SLEEVE, Bell Crank Mounting	1
54	616796	WASHER, Bell Crank Mounting	1
55	2C-844	BOLT, Bell Crank Mounting	1
56	551278	BELL CRANK	1
57	4E-08	LKWSHR, Bell Crank Mounting	1
58	2D-08	NUT, Bell Crank Mounting	1

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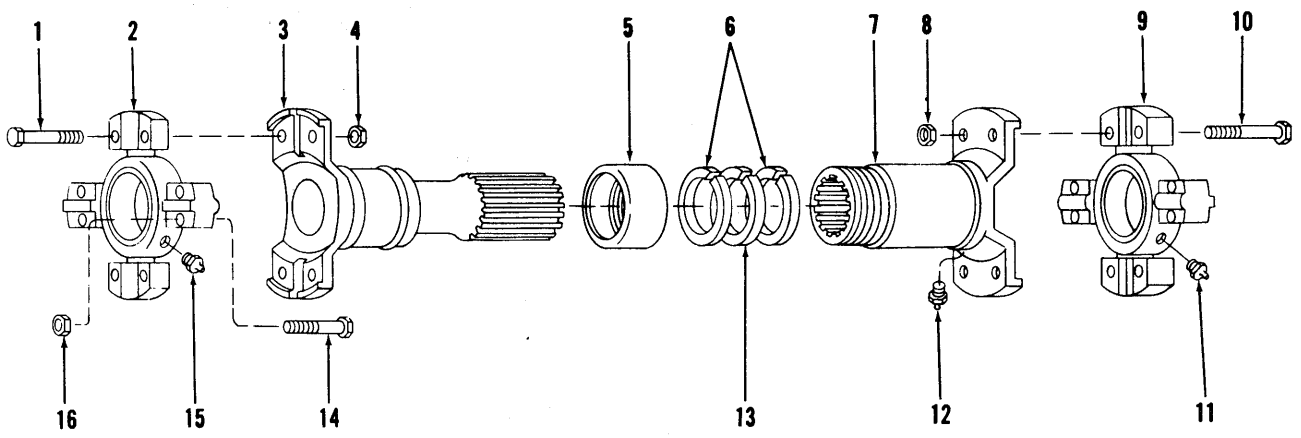
GEAR SHIFT LEVERS AND LINKAGE

High and Low, Forward and Reverse

Item No.	Part No.	Description	No. Req'd.
1	519793	BALL SOCKET, Rod to Lever	1
2	8D-06	NUT, Ball Socket Jam	1
3	8D-06	NUT, Ball Socket to Lever	1
4	4E-06	LKWSHR, Ball Socket to Lever	1
5	2D-04	NUT, Lever Clamp	1
6	4E-04	LKWSHR, Lever Clamp	1
7	519793	BALL SOCKET, Rod to Lever	1
8	8D-06	NUT, Ball Socket Jam	1
9	550803	LEVER, Transmission	1
10	2C-424	BOLT, Lever Clamp	1
11	551412	ROD, High & Low Shift	1
12	8D-06	NUT, Ball Socket Jam	1
13	519793	BALL SOCKET, Rod to Shift Lever	1
14	2D-04	NUT, Shift Quadrant	2
15	4E-04	LKWSHR, Shift Quadrant	2
16	524243	CLAMP, Shift Quadrant	1
17	550672	U-BOLT, Shift Levers	2
18	525271	QUADRANT, Shift Indicator	1
19	2C-412	BOLT, Shift Quadrant	2
20	509772	KNOB, Shift Levers	2
21	1508845	SUPPORT, Shift Lever	2
22	550669	PLATE, Shift Lever Support	2
23	18D-05	NUT, U-Bolt	4
24	550667	LEVER, High & Low Shift	1
25	550663	LEVER, Forward & Reverse Shift	1
26	4E-06	LKWSHR, Ball Socket to Lever	1
27	8D-06	NUT, Ball Socket to Lever	1
28	8D-06	NUT, Ball Socket to Lever	1
29	4E-06	LKWSHR, Ball Socket to Lever	1
30	519793	BALL SOCKET, Rod to Lever	1
31	8D-06	NUT, Ball Socket Jam	1
32	527768	ROD, Forward & Reverse Shift	1
33	————	TRANSMISSION — See Index	—
34	2C-424	BOLT, Lever Clamp	1
35	8D-06	NUT, Ball Socket to Lever	1
36	4E-06	LKWSHR, Ball Socket to Lever	1
37	550803	LEVER, Transmission	1
38	4E-04	LKWSHR, Lever Clamp	1
39	2D-04	NUT, Lever Clamp	1

*NOTE: When 1508845 Nylon Support is installed in place of rubber supports, 550669 Plate item 22 is not required.

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



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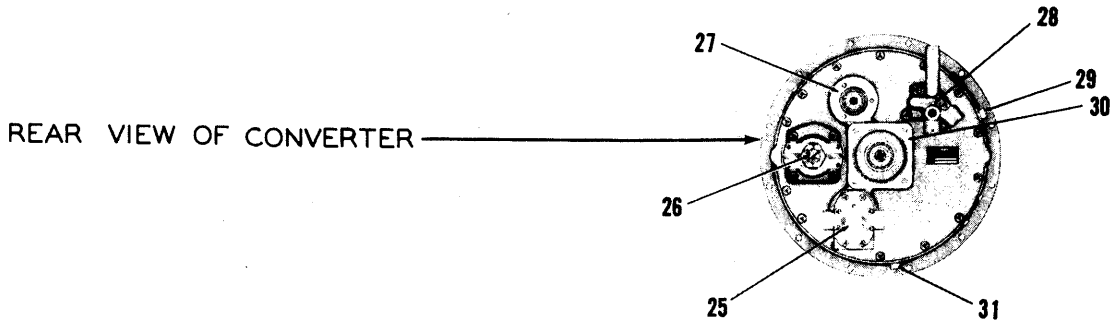
PROPELLER SHAFT ASSEMBLY

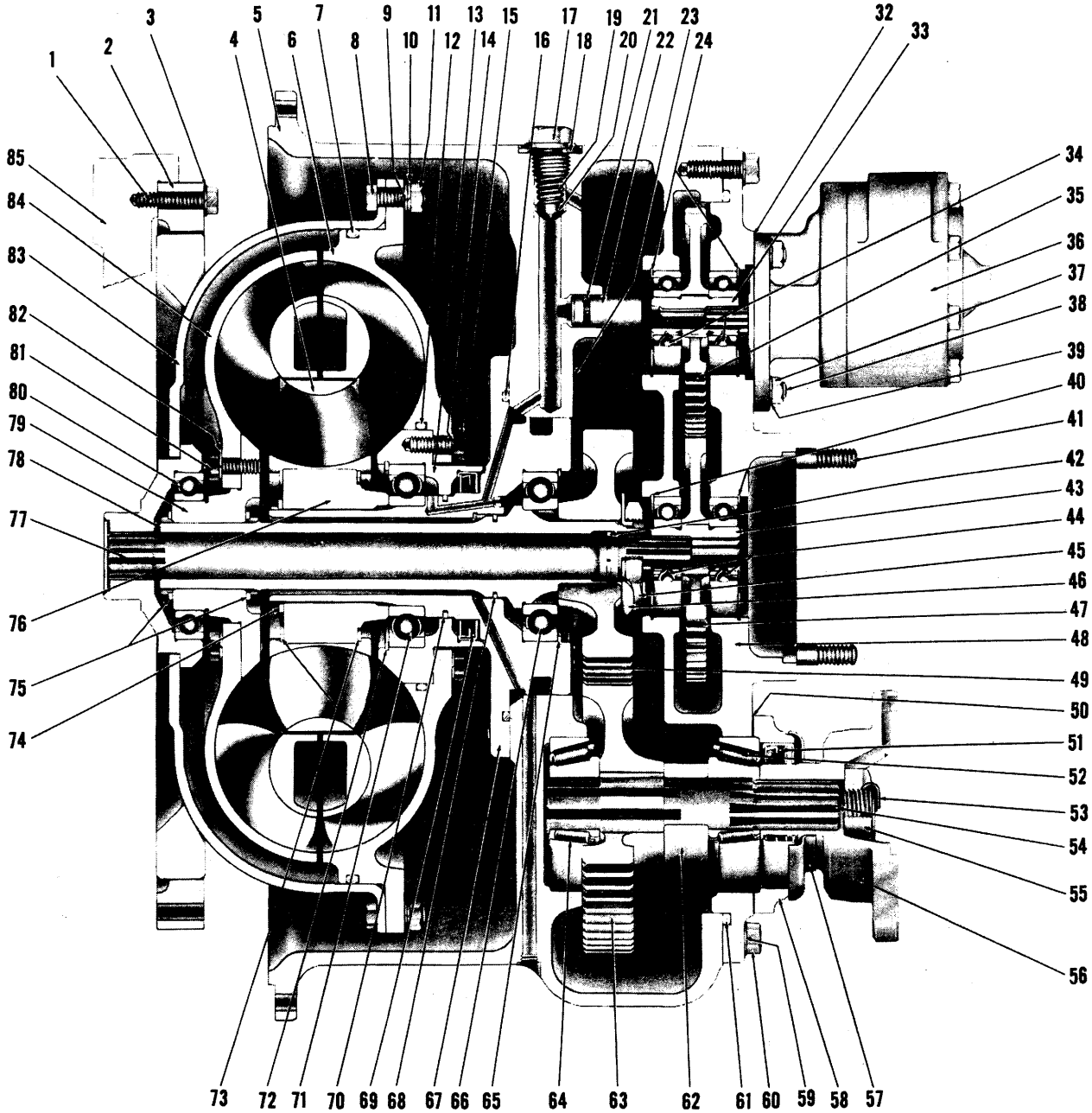
Column 1 — Transmission to Rear Axle
Column 2 — Transmission to Front Axle
Column 3 — Converter to Transmission — For Cummins Powered Machines
Column 4 — Converter to Transmission — For G.M. Powered Machines

Item No.	Description	No. Req'd.	Column 1	Column 2	Column 3	Column 4
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16)	1	553581	940547	512819	540680
1	BOLT, Spider & Bearing to Tube	4	940229	940229	940089	940089
2	SPIDER & BEARING	1	941573	941573	944862	944862
3	TUBE	1	943248	943156	944112	944719
4	NUT, Spider & Bearing to Tube	4	8D-08	8D-08	8D-06	8D-06
5	RETAINER, Felt	1	940256	940256	940090	940090
6	WASHER, Felt Retainer	2	940257	940257	940091	940091
7	SLIP YOKE	1	940227	940226	940224	940224
8	NUT, Spider & Bearing to Slip Yoke	4	8D-08	8D-08	8D-06	8D-06
9	SPIDER & BEARING	1	941573	941573	944862	944862
10	BOLT, Spider & Bearing to Slip Yoke	4	940229	940229	940089	940089
11	FITTING, Spider Grease	1	10H-35	10H-35	10H-35	10H-35
12	FITTING, Slip Yoke Grease	1	10H-25	10H-25	10H-25	10H-25
13	WASHER, Felt	1	940259	940259	940092	940092
14	BOLT, Spider & Bearing Attaching	8	940229	940229	940089	940089
15	FITTING, Spider Grease	1	10H-35	10H-35	10H-35	10H-35
16	NUT, Spider & Bearing Attaching	8	8D-08	8D-08	8D-06	8D-06

†Not Illustrated

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





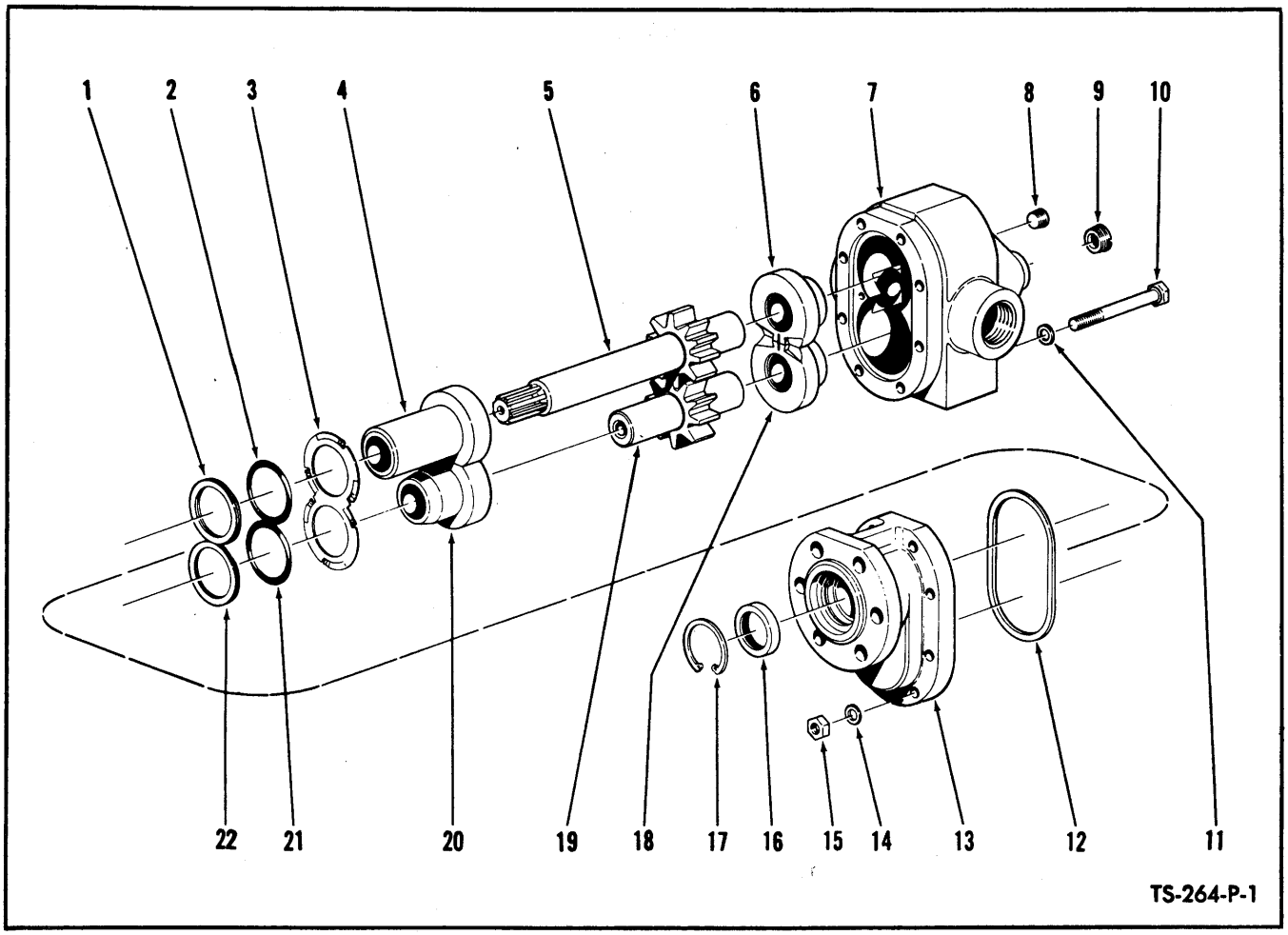
TORQUE CONVERTER ASSEMBLY TS-1171-P

TORQUE CONVERTER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	281775	CONVERTER ASSY (C-404-7) (Inc. 2, 4 thru 85)	1
1	224797	BOLT, Flywheel Ring	12
2	226595	GEAR, Flywheel Ring	1
3	619021	WASHER, Ring Gear to Flywheel Bolt	12
4	801055	REACTION MEMBER ASSY (Inc. 73, 76)	1
5	223663	HOUSING ASSY, Converter (Inc. 5A)	1
5A	208788	†SEAT, Relief Ball	1
6	209542	IMPELLER	1
7	224207	"O" RING, Drive Disc to Impeller	1
8	2C-618	BOLT, Drive Disc to Impeller	30
9	619023	WASHER, Drive Disc to Impeller	30
10	6E-06	LKWSHR, Drive Disc to Impeller	30
11	2D-06	NUT, Drive Disc to Impeller	30
12	25K-40600	"O" RING, Impeller to Hub	1
13	223197	HUB, Impeller	1
14	209567	WASHER, Impeller to Hub	6
15	209566	BOLT, Impeller to Hub	6
16	209562	"O" RING, Converter Support	1
17	208784	PLUG, Pressure Relief	1
18	221023	SEAL, Relief Plug	1
19	222312	SPRING, Pressure Relief	1
20	222318	PLUNGER, Relief Valve	1
21	25K-30018	"O" RING, Oil Tube	2
22	209868	TUBE, Cover to Case Oil	1
23	4C-824	BOLT, Converter Support	6
23A	743314	†WASHER, Converter Support	6
23B	28H-18	†‡LOCKWIRE, Converter Support Bolt	—
24	223922	RING, Pump Bearing Retaining	4
25	———	CONVERTER PUMP ASSY—(See Index)	—
26	———	SHAFT, Output (See 54)	—
27	———	PAD, Steering Pump Mounting	—
28	801067	VALVE ASSY, Pressure Regulating — (See Index)	1
29	13F-12	PLUG, Filler	1
30	———	PAD, Bucket & Boom Pump Mtg.	—
31	201120	PLUG, Magnetic Drain	1
32	235961	GASKET, Pump	1
33	220987	HUB, Oil Pump Driven Gear	2
34	853189	BEARING, Oil Pump Driven Gear Hub	4
35	220986	GEAR, Oil Pump Driven (54T)	2
36	———	CONVERTER PUMP ASSY—(See Index)	—
37	8D-06	NUT, Pump to Converter Stud	3
38	207647	STUD, Pump to Converter	3
39	4E-06	LKWSHR, Pump to Converter	3
40	223862	RING, Drive Gear Hub Brg. Retaining	2
41	216555	STUD, Pump Mounting	4
41A	2D-08	†NUT, Pump Mounting	4
41B	4E-08	†LKWSHR, Pump Mounting	4
42	209791	RING, Pump Shaft Sealing	1
43	220985	HUB, Oil Pump Drive Gear	1
44	654299	BEARING, Oil Pump Drive Gear	1
45	220990	NUT, Main Drive Gear Retainer	1
46	220989	WASHER, Retainer Nut Locking	1
47	220984	GEAR, Oil Pump Drive (57T)	1
48	220973	COVER, Converter Housing	1
48B	220979	DOWEL, Cover to Housing	2
49	216680	*GEAR, Main Drive (40T)	1
50	209589	‡SHIM, Bearing Cap — .004	—
50A	209590	‡SHIM, Bearing Cap — .007	—
50B	209591	‡SHIM, Bearing Cap — .010	—
51	209587	SEAL, Output Shaft Oil	1
52	675543	CUP, Ouput Shaft Bearing	1
52A	658981	CONE, Output Shaft Bearing	1
53	1F-432	COTTER, Flange Nut	1
54	209582	SHAFT, Output	1
55	205928	NUT, Flange	1
56	209594	FLANGE ASSY (Inc. 57)	1
57	100949	DEFLECTOR, Flange	1
58	209588	CAP, Output Shaft Bearing	1
58A	1C-820	†BOLT, Bearing Cap	4
58B	4E-08	†LKWSHR, Bearing Cap	4
59	4E-07	LKWSHR, Cover to Housing	14
60	1C-720	BOLT, Cover to Housing	14
61	209555	"O" RING, Cover to Housing	1
62	209584	SPACER, Output Shaft Gear	1
63	216681	*GEAR, Output Shaft (45T)	1
64	675543	CUP, Output Shaft Bearing	1
64A	658981	CONE, Output Shaft Bearing	1
65		*RING, Drive Gear Bearing Locating* (Select one at assembly)	
65A	223953	‡RING — .088 to .090	—
65B	223954	‡RING — .091 to .093	—
65C	223955	‡RING — .094 to .096	—
65D	223956	‡RING — .097 to .099	—
66	227105	BEARING, Main Drive Gear	1
67	223199	SUPPORT, Converter	1
68	209560	RING, Drive Gear Shaft Sealing	1
69	209788	SEAL, Support Oil	1
70	209387	RING, Support Sealing	1
71	214596	BEARING, Impeller Hub	1
72	223854	RING, Hub Bearing Retaining	1
73	223965	RING, Hub to Reaction Member Ret.	2
74	224119	RING, Hub to Support Retainer	1
75	224052	RING, Turbine Hub Retaining	2
76	———	§HUB, Reaction Member — (See 4)	1
77	209789	SHAFT, Oil Pump	1
78	218702	SHAFT, Main Drive Gear	1
79	220159	HUB, Turbine	1
80	223359	BEARING, Drive Disc	1
81	209566	BOLT, Turbine to Hub	8
82	209567	WASHER, Turbine to Hub	8
83	220353	DRIVE DISC ASSY	1
84	220222	TURBINE	1
85	———	FLYWHEEL, Engine	1
86	17C-720	†BOLT, Converter to Flywheel Housing	12
87	4E-07	†LKWSHR, Converter to Flywheel Hsg.	12

†Not Illustrated
‡As Required
§Not Sold Separately
*NOTE: When 216680 and 216681 Gears are installed in place of 209889 and 209891 in machine serial numbers listed below, both gears must be replaced at the same time, plus 1—218702 Main Drive Gear Shaft. 216680 and 216681 Gears may be purchased as a kit under part number 801296.
CUMMINS — 2892 thru 2942, 2LC52 thru 2LC182
G.M. — 2LG101 thru 2LG147

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



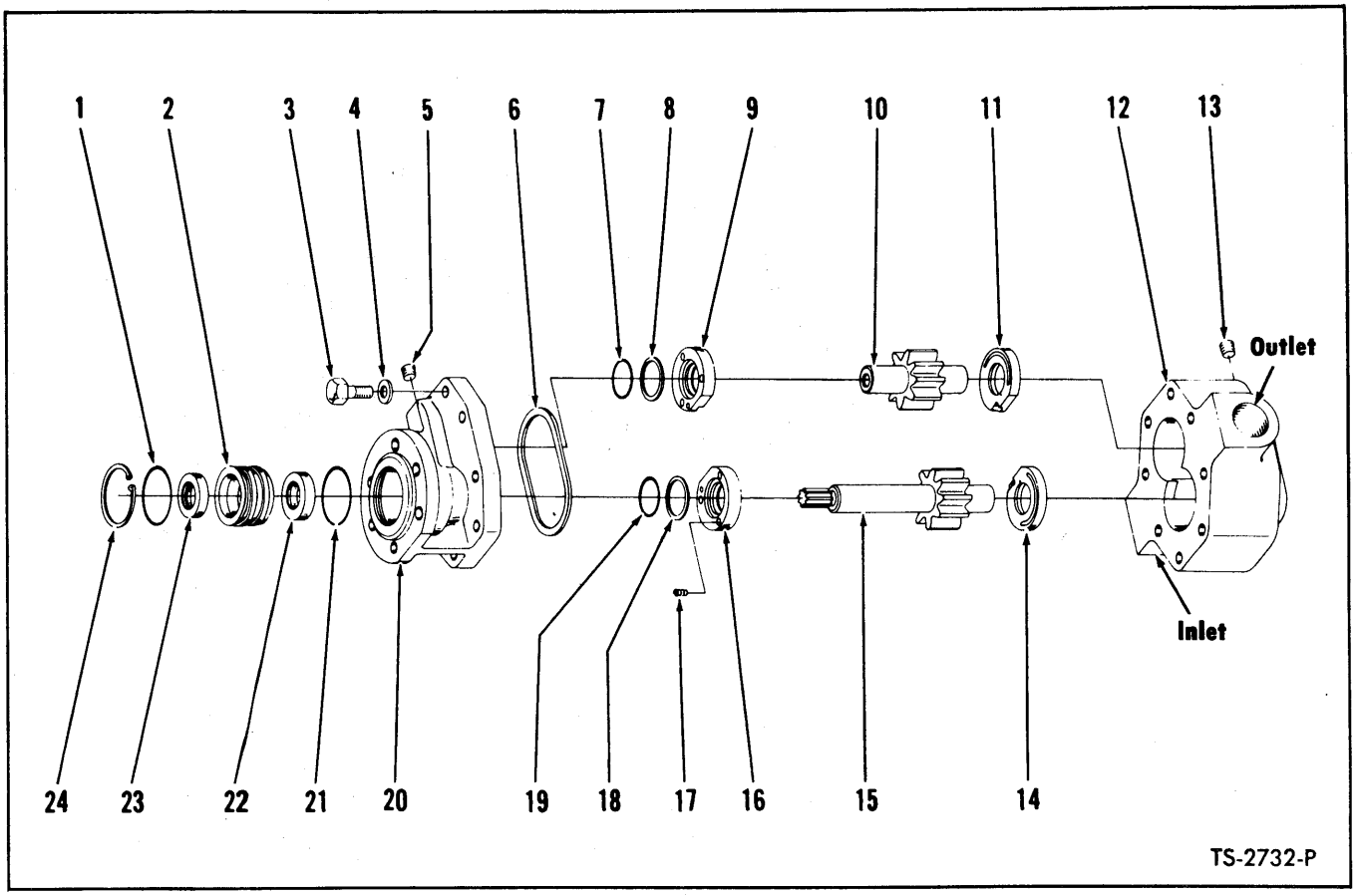
HYDRAULIC PUMP — CONVERTER CHARGING

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.
A	220988	*PUMP ASSY (Inc. 1 thru 22)	1
B	942403	REPAIR KIT, Minor (Inc. 1, 2, 12, 16, 17, 21, 22)	1
C	942433	GEAR SET, Drive & Driven (Inc. 5, 19)	1
1	———	§WASHER, Back-Up	1
2	———	§SEAL RING, Bearing	1
3	———	§SPRING, Bearing	1
4	———	§BEARING, Cover — Drive	1
5	———	§GEAR, Drive	1
6	———	§BEARING, Body Drive	1
7	———	§BODY	1
8	16F-02	PLUG, Seal Chamber	1
9	———	§PLUG, Seal Relief	1
10	———	§BOLT, Hex Head	8
11	———	§WASHER, Plain	8
12	———	§GASKET, Cover	1
13	———	§COVER	1
14	———	§WASHER, Plain	8
15	———	§NUT, Hex	8
16	———	§SEAL, Shaft	1
17	———	§RING, Seal Retainer	1
18	———	§BEARING, Body Driven	1
19	———	§GEAR, Driven	1
20	———	§BEARING, Cover Driven	1
21	———	§SEAL RING, Bearing	1
22	———	§WASHER, Back-Up	1
23	235961	†GASKET, Pump to Converter	1
24	2D-06	†NUT	6
25	4E-06	†LKWSHR	6

*NOTE: When complete Pump is replaced use 450063. Refer to parts listing on page 42 for replacement parts for 450063 Pump.
†Not Illustrated
§Not Sold Separately — Order Kits.

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



HYDRAULIC PUMP — CONVERTER CHARGING

For Serial: CUMMINS — 2LC62 thru 2LC66, 2LC68, 2LC70, 2LC77, 2LC79

Item No.	Part No.	Description	No. Req'd.
A	450011	PUMP ASSY (Inc. 1 thru 24) See Note "A"	1
B	498152	REPAIR KIT, Major (Inc. 9, 11, 14, 16)	1
C	498151	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 7, 8, 17, 18, 19, 21)	1
D	498026	GEAR SET, Drive & Driven (Inc. 10, 15)	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 21 thru 24)	1
1	———	§"O" RING, Retainer	1
2	———	§RETAINER, Shaft Seal	1
3	———	§BOLT, Cover to Body	8
4	———	§WASHER, Cover to Body	8
5	———	§PLUG, Cover	1
6	———	§GASKET, Cover	1
7	———	§"O" RING, Cover Thrust Plate	1
8	———	§WASHER, Back-Up	1
9	———	§THRUST PLATE, Cover	1
10	———	§GEAR, Driven	1
11	———	§THRUST PLATE, Body	1
12	———	**§BODY (Inc. Bushings)	1
13	———	§PLUG, Body	1
14	———	§THRUST PLATE, Body	1
15	———	§GEAR, Drive	1
16	———	§THRUST PLATE, Cover	1
17	———	§SPRING, Cover Thrust Plate	6
18	———	§WASHER, "O" Ring Back-Up	1
19	———	§"O" RING, Cover Thrust Plate	1
20	———	**§COVER (Inc. Bushings)	1
21	———	§"O" RING, Retainer	1
22	———	§SEAL, Inner Oil	1
23	———	§SEAL, Outer Oil	1
24	———	§RING, Seal Retainer	1
25	235961	†GASKET, Pump to Converter	1
26	8D-06	†NUT, Pump to Converter	6
27	4E-06	†LKWSHR, Pump to Converter	6

NOTE "A"—When complete pump is replaced use 450063. Refer to parts listing on page 42 for replacement parts for 450063 Pump.

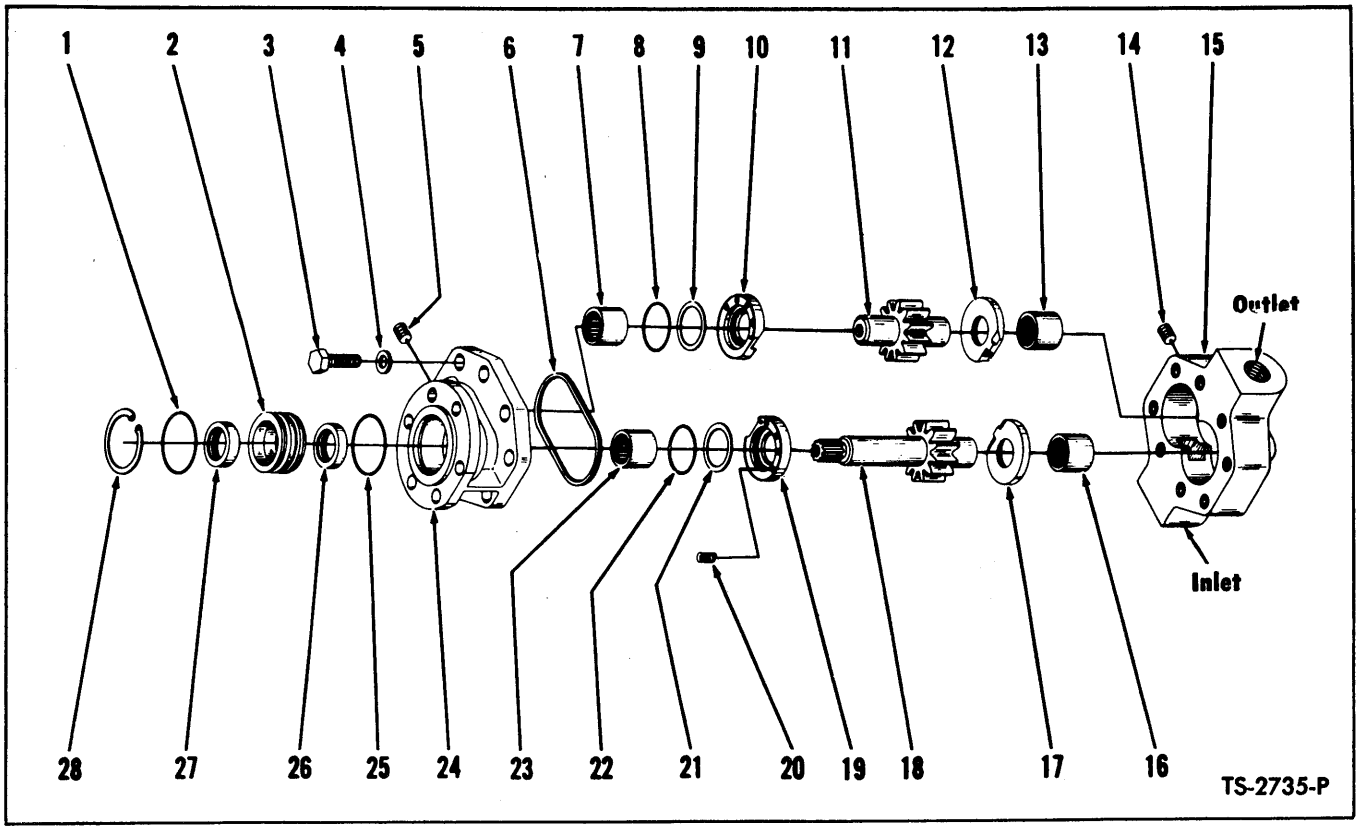
*NOTE: *Minor Repair Kit* consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

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

§Not Sold Separately — Order Kits.

†Not Illustrated

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



HYDRAULIC PUMP — CONVERTER CHARGING

For Serial: CUMMINS — 2LC67, 2LC69, 2LC71 thru 2LC76, 2LC78, 2LC80 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	450063	PUMP ASSY (Inc. 1 thru 28)	1
B	498128	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25)	1
D	498026	GEAR SET, Drive & Driven (Inc. 11, 18)	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28)	1
1	———	§"O" RING, Retainer	1
2	———	§RETAINER, Shaft Seal	1
3	———	§BOLT, Cover to Body	8
4	———	§WASHER Cover to Body	8
5	———	§PLUG, Cover	1
6	———	§GASKET, Cover	1
7	———	**§BEARING, Cover — Driven	1
8	———	§"O" RING, Cover Thrust Plate	1
9	———	§WASHER, "O" Ring Back-Up	1
10	———	§THRUST PLATE, Cover	1
11	———	§GEAR, Driven	1
12	———	§THRUST PLATE, Body	1
13	———	**§BEARING, Body	1
14	———	§PLUG, Body	1
15	———	**§BODY	1
16	———	**§BEARING, Body	1
17	———	§THRUST PLATE, Body	1
18	———	§GEAR, Drive	1
19	———	§THRUST PLATE, Cover	1
20	———	§SPRING, Cover Thrust Plate	6
21	———	§WASHER, "O" Ring Back-Up	1
22	———	§"O" RING, Cover Thrust Plate	1
23	———	**§BEARING, Cover	1
24	———	**§COVER	1
25	———	§"O" RING, Retainer	1
26	———	§SEAL, Inner Oil	1
27	———	§SEAL, Outer Oil	1
28	———	§RING, Seal Retaining	1
29	219412	†SLEEVE, Pump Drive	1
30	235961	†GASKET, Pump to Converter	1
31	66D-06	†NUT, Pump to Converter	6

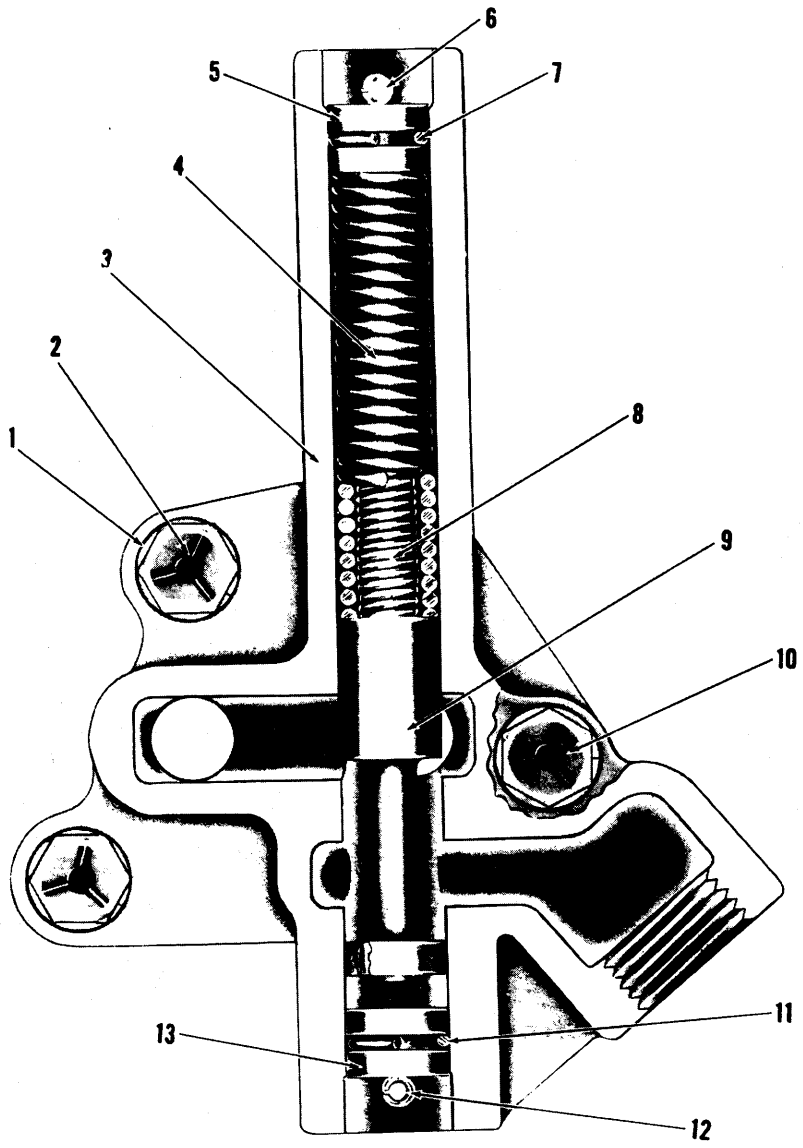
†Not Illustrated

§Not Sold Separately

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

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

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

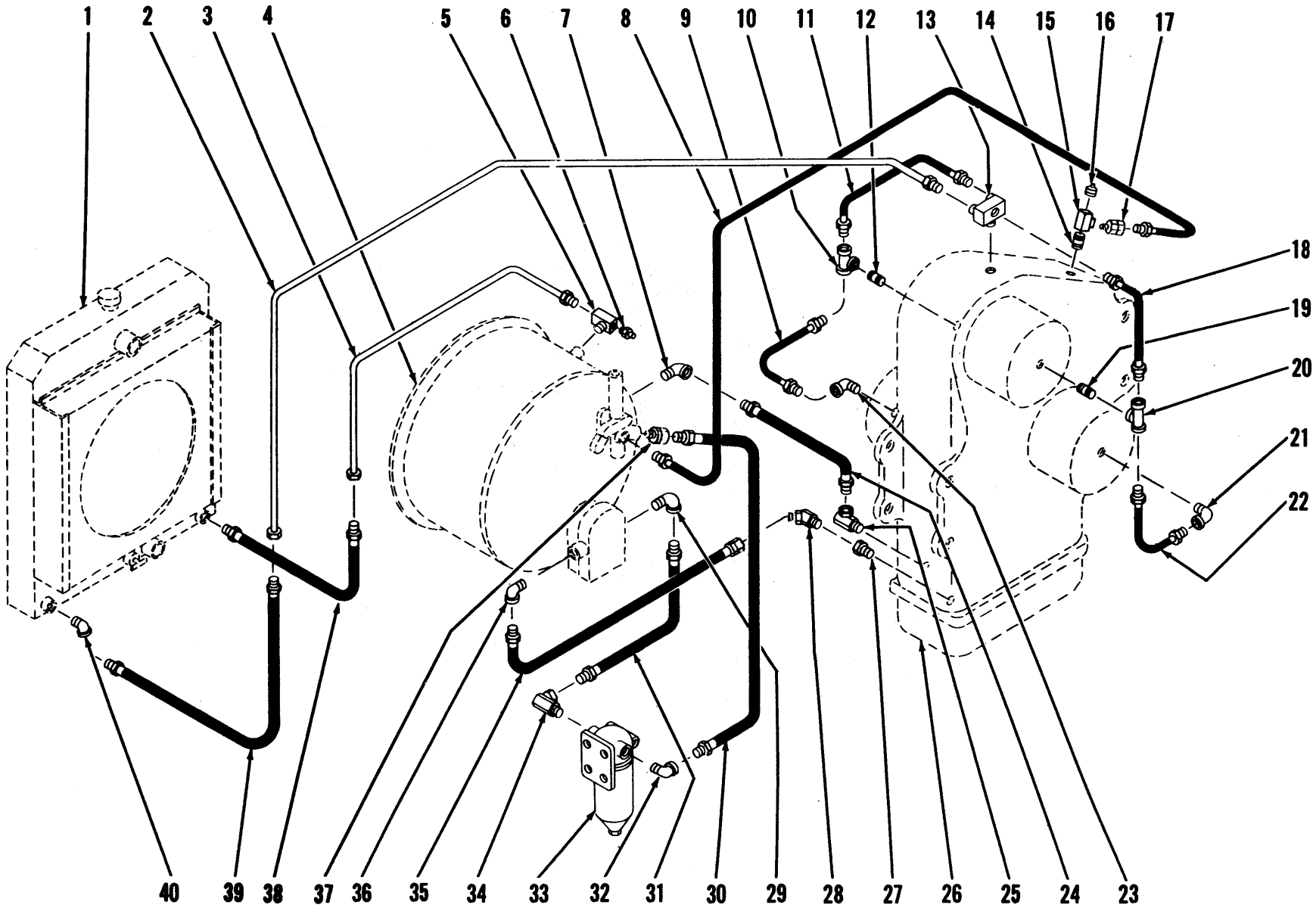


PRESSURE REGULATOR VALVE ASSEMBLY

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

†Not Illustrated
§Not Sold Separately

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



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS

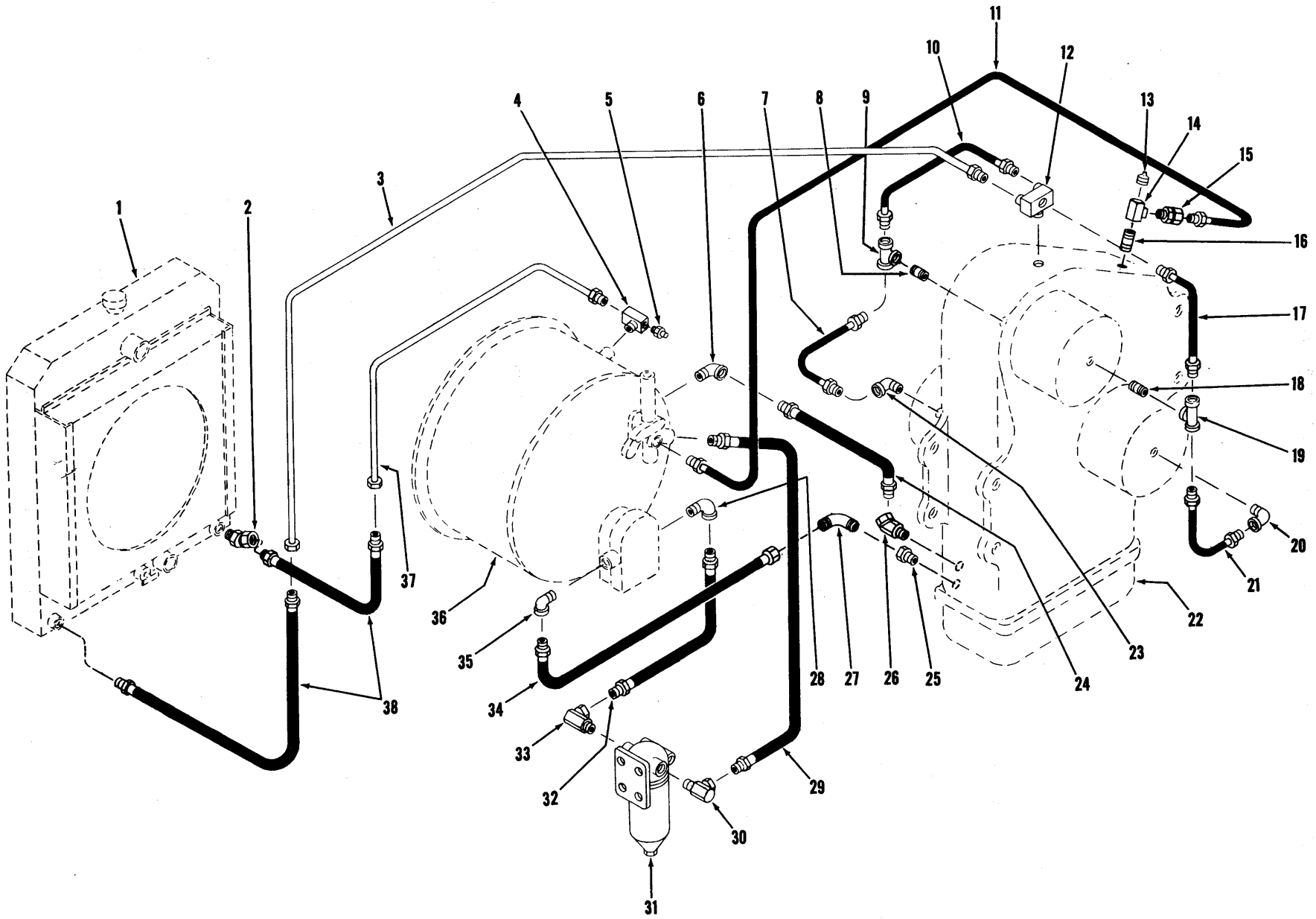
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HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVETER — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	———	RADIATOR — See Index	—
2	524236	LINE, Cooler Return — Rad. to Trans.	1
3	524235	LINE, Cooler — Converter to Radiator	1
4	———	CONVERTER — See Index	—
5	524544	TEE, Cooler Line to Converter	1
6	551323	SENDER UNIT, Converter Temperature	1
7		*ELBOW, Hose to Converter Housing*	
7A	26F-5	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
7B	26F-6	For Serial 2LC118 thru 2LC999	1
8	623802	HOSE, Transmission Clutch Pressure	1
9	551300	HOSE, 1st & 3rd to Reverse Clutch	1
10	18F-2	TEE, 1st & 3rd Clutch	1
11	551301	HOSE, Junc. Block to 1st & 3rd Clutch	1
12	5K-207	NIPPLE, Tee to Clutch Cover	1
13	524543	JUNCTION BLOCK, Transmission	1
14	5K-216	NIPPLE, Tee to Control Cover	1
15	28F-1	TEE, Hose to Transmission	1
16	13F-04	PLUG, Tee	1
17	711186	ADAPTER UNION, Hose to Tee	1
18	551301	HOSE, Junction Block to Fwd. Clutch	1
19	5K-207	NIPPLE, Tee to Clutch Cover	1
20	18F-2	TEE, Forward Clutch	1
21	26F-2	ELBOW, Hose to Clutch Cover	1
22	550876	HOSE, Forward to 2nd & 4th Clutch	1
23	26F-2	ELBOW, Hose to Clutch Cover	1
24		*HOSE, Converter to Transmission—Drain*	
24A	629162	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
24B	538208	For Serial 2LC118 thru 2LC999	1
25		*ADAPTER UNION, Hose to Trans.*	
25A	31F-5	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
25B	31F-6	For Serial 2LC118 thru 2LC999	1
26	———	TRANSMISSION — See Index	—
27	356626	BUSHING, Transmission Reducing	1
28		*ADAPTER UNION*	
28A	33F-6	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
28B	84F-10	For Serial 2LC118 thru 2LC999	1
29	26F-5	ELBOW, Hose to Pump	1
30	550724	HOSE, Filter to Regulator Valve	1
31	613337	HOSE, Pump to Filter	1
32	26F-5	ELBOW, Hose to Filter	1
33	1533615	FILTER, Trans. & Conv. Oil (Inc. 33A)	1
33A	215502	CARTRIDGE KIT, Filter	1
34	31F-5	ADAPTER UNION, Hose to Filter	1
35	538207	*HOSE, Trans. to Pump — Suction	1
36	26F-6	ELBOW, Hose to Pump	1
37	36F-5	ADAPTER UNION, Hose to Valve	—
38	526847	HOSE, Cooler Pipe to Radiator	1
39	526847	HOSE, Return Cooler Pipe to Radiator	1
40	25F-5	ELBOW, Hose to Radiator (For Serial 2892 thru 2942, 2LC52 thru 2LC117 only)	1

*NOTE: When 538207 is used on machines Serial 2892 thru 2942, 2LC52 thru 2LC117, 1—84F-10 Adapter Union (Item 28B) must also be used.

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



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

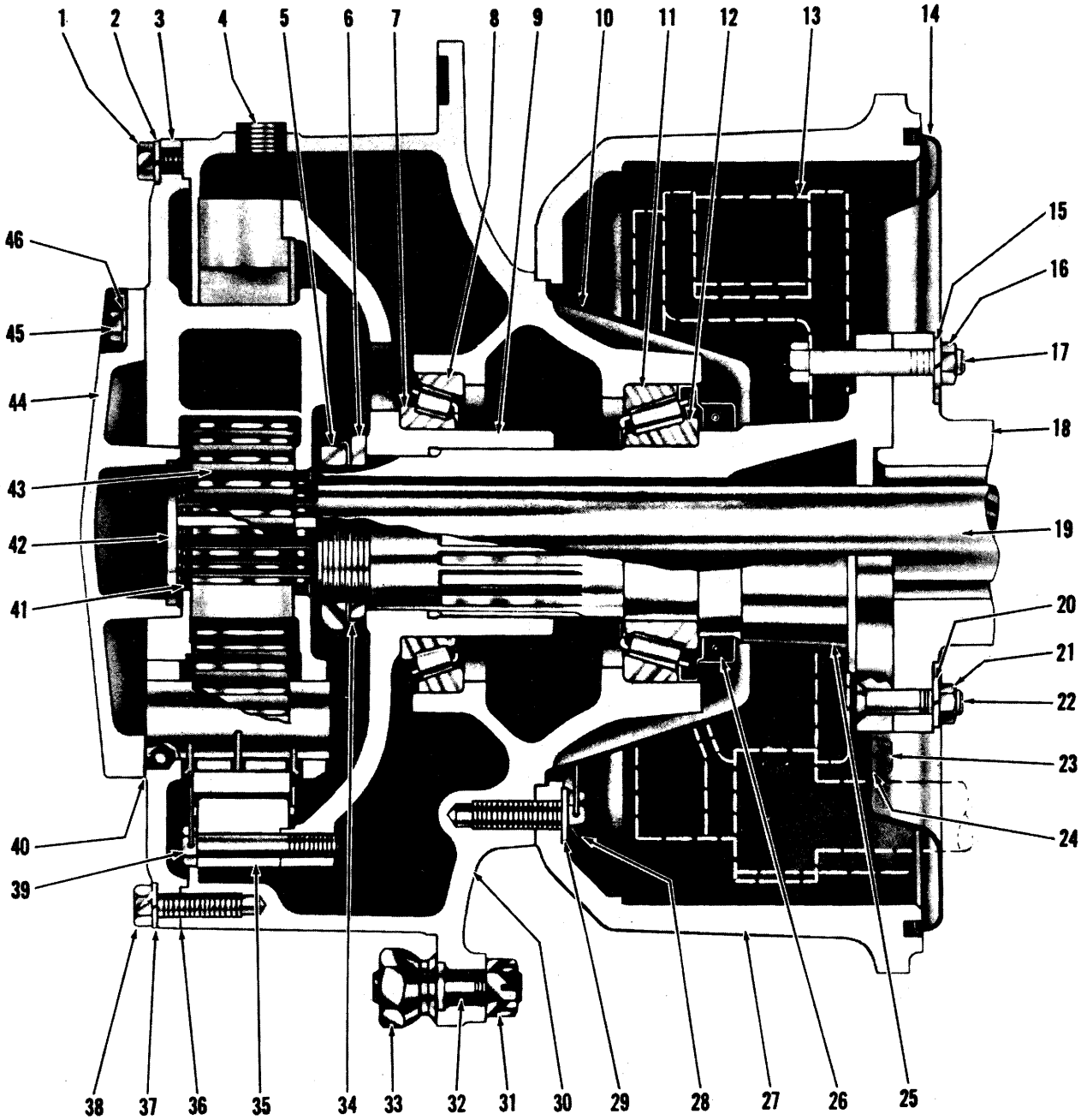
TS-3655-P

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

Item No.	Part No.	Description	No. Req'd.
1	———	RADIATOR — See Index	—
2	33F-5	ADAPTER	1
3	524236	LINE, Hose to Transmission	1
4	524544	TEE, Line to Converter	1
5	551323	SENDER UNIT, Converter Temperature	1
6	26F-6	ELBOW, Hose to Converter	1
7	551300	HOSE, 1st & 3rd to Reverse Clutch	1
8	5K-207	NIPPLE, Tee to Clutch Cover	1
9	18F-2	TEE, 1st & 3rd Clutch	1
10	551301	HOSE, Junction Block to 1st & 3rd Clutch	1
11	623803	HOSE, Transmission Clutch Pressure	1
12	524543	JUNCTION BLOCK, Transmission	1
13	13F-04	PLUG, Tee	1
14	28F-1	TEE, Hose to Transmission	1
15	711186	ADAPTER UNION, Hose to Tee	1
16	5K-216	NIPPLE, Tee to Control Cover	1
17	551301	HOSE, Junction Block to Forward Clutch	1
18	5K-207	NIPPLE, Tee to Clutch Cover	1
19	18F-2	TEE, Forward Clutch	1
20	26F-2	ELBOW, Hose to Clutch Cover	1
21	550876	HOSE, Forward to 2nd & 4th Clutch	1
22	———	TRANSMISSION — See Index	—
23	26F-2	ELBOW, Hose to Clutch Cover	1
24	541661	HOSE, Transmission to Converter — Drain	1
25	356626	BUSHING, Adapter to Transmission	1
26	33F-6	ADAPTER	1
27	84F-10	ADAPTER	1
28	26F-5	ELBOW, Hose to Pump	1
29	533463	HOSE, Filter to Regulating Valve	1
30	31F-5	ADAPTER	1
31	1533615	FILTER, Transmission & Converter Oil (Inc. 33A)	1
31A	215502	†CARTRIDGE KIT, Filter	1
32	550724	HOSE, Pump to Filter	1
33	31F-5	ADAPTER	1
34	540772	HOSE, Transmission to Pump — Suction	1
35	26F-6	ELBOW, Hose to Pump	1
36	———	TORQUE CONVERTER — See Index	1
37	540789	LINE, Hose to Converter	1
38	526847	HOSE, Transmission to Radiator Line	2

†Not Illustrated

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



AXLE ASSEMBLY — FRONT DRIVE

TS-1607-P

AXLE ASSEMBLY — FRONT DRIVE

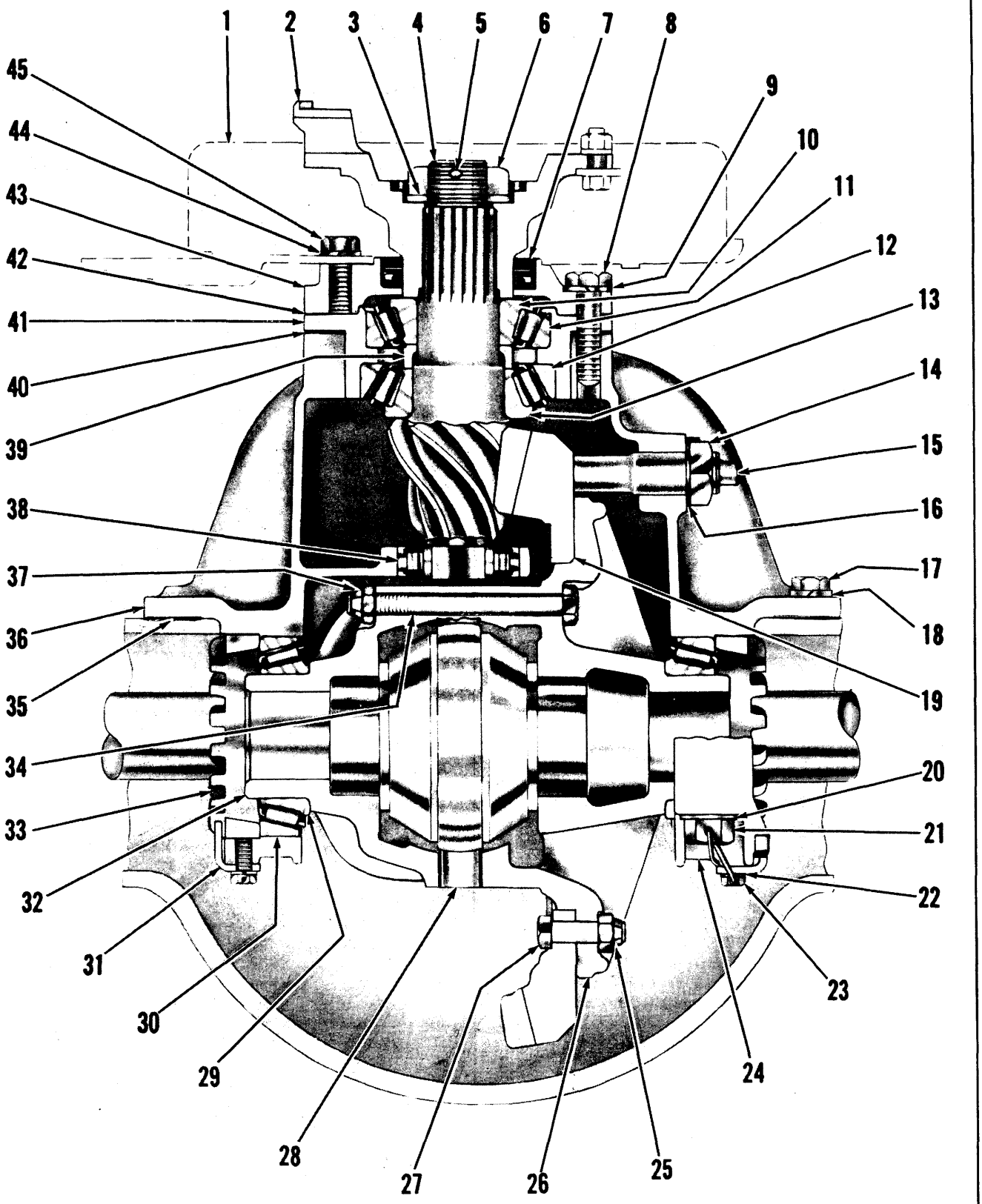
Item No.	Part No.	Description	No. Req'd.
A	130192	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 — (For complete replacement use 130788)	1
B	130733	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2LC62 thru 2LC117 — (For complete replacement use 130788)	1
C	130788	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	1
1	1C-808	BOLT, Planet Puller Hole	4
2	3E-08	LKWSHR, Planet Puller Hole	4
3	———	PLANET SPIDER ASSY—(See Index)	—
4	11F-12	PLUG, Planet Filler	2
5		*NUT, Outer Spindle*	
5A	114433	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
5B	110559	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
6		*NUT, Inner Spindle*	
6A	114433	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
6B	110559	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
7		*CONE, Outer Hub Bearing*	
7A	675261	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
7B	742263	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
8		*CUP, Outer Hub Bearing*	
8A	668553	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
8B	742262	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
9		*HUB, Internal Gear*	
9A	106882	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
9B	110623	For Serial: Cummins — 2LC62 thru 2LC117	2
9C	110553	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
10	106221	CATCHER, Oil	2
11		*CUP, Inner Hub Bearing*	
11A	672004	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
11B	774024	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
12		*CONE, Inner Hub Bearing*	
12A	672005	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
12B	774025	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
13	———	BRAKE ASSY — (See Index)	—
14		*COVER, Brake Dust*	
14A	120809	Top Left — Bottom Right	2
14B	109947	Bottom Left — Top Right	2
15	104412	WASHER, Spindle & Brake Attaching	16
16	106998	NUT, Spindle & Brake Attaching	16
17	106736	BOLT, Spindle & Brake Attaching	16
18	107004	HOUSING, Axle	1
18A	11F-12	†PLUG, Housing Filler	1
18B	11F-12	†PLUG, Housing Drain	1
18C	12F-204	†PLUG, Housing Expansion	1
18D	106656	†BREATHER, Axle Housing	1
19	106234	SHAFT, Axle	2
20	104412	WASHER, Spindle & Brake Attaching	4
21	106998	NUT, Spindle & Brake Attaching	4
22	106737	SCREW, Spindle & Brake Attaching	4
23	1C-612	BOLT, Dust Cover	12
24	4E-06	LKWSHR, Dust Cover	12
25		*SPINDLE*	
25A	106741	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
25B	111710	**Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
26		*SEAL, Hub Oil*	
26A	128117	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
26B	125148	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
27	107002	***DRUM, Brake	2
28	107256	BOLT, Drum to Hub	24
29	104412	WASHER, Drum to Hub	24
30		*HUB ASSY (Inc. 8, 11)*	
30A	107252	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
30B	815754	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
31	103076	NUT, Wheel Stud	20
32	103445	STUD, Wheel	20
33	103522	NUT, Wheel	20
34		*LOCK, Spindle Nut*	
34A	101274	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
34B	118786	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
35		*GEAR, Internal*	
35A	106233	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
35B	110622	Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
36	———	Use PERMATEX #2	—
37	106762	LKWSHR, Planet Spider to Hub	20
38	100970	BOLT, Planet Spider to Hub	20
39		*BOLT, Internal Gear to Hub*	
39A	106883	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	16
39B	110624	Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
40	———	Use PERMATEX #2	—
41	224023	RING, Sun Gear Retaining	2
42	106457	WASHER, Sun Gear Thrust	2
43	106232	GEAR, Sun	2
44	815565	*CAP ASSY, Sun Gear Thrust (Inc. 42)	2
45	1C-720	BOLT, Thrust Cap	12
46	4E-07	LKWSHR, Thrust Cap	12
47	———	†DIFFERENTIAL & CARRIER ASSY — (See Index)	—

†Not Illustrated

*NOTE: 815565 also includes 6—112278 Washers, 1—113292 O-Ring & 1—11F-12 Plug.

**NOTE: For replacement use 1—118786 Lock Nut plus 816023 Spindle & Sleeve Kit which consists of 1—123945 Spindle and 1—123947 Sleeve.

***NOTE: For replacement use 815738 Brake Drum Kit, which consists of 1—118367 Brake Drum, 12—108032 Mounting Bolt, and 1—815739 Instruction Sheet.



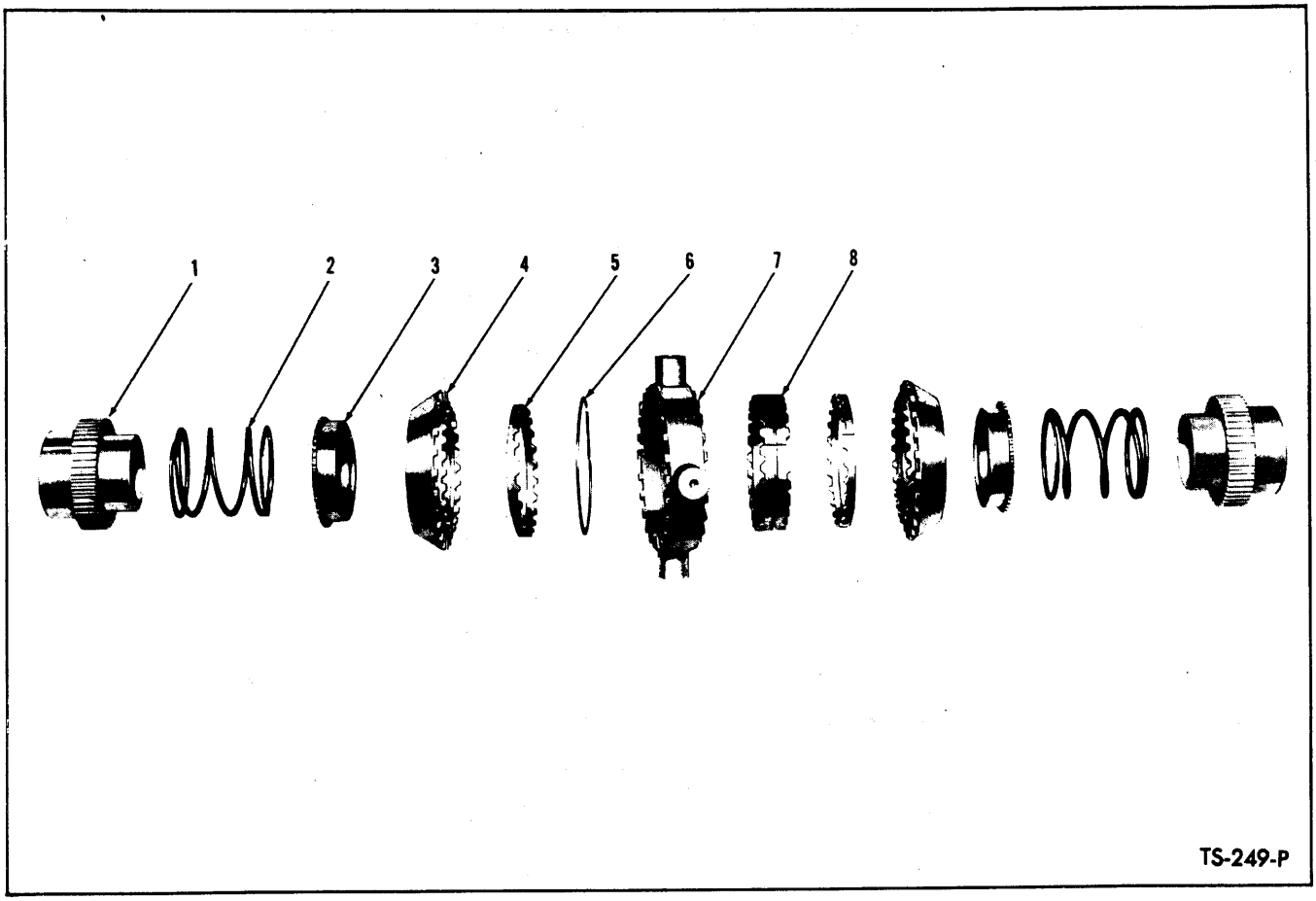
DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE TS-1802-P

DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.
A	111489	DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 51)	1
1	———	PARKING BRAKE ASSY — (See Index)	—
2	———	FLANGE — (See Parking Brake Assy)	—
3	101224	WASHER, Pinion Bearing	1
4	———	PINION (See 50)	—
5	1F-740	COTTER, Pinion Shaft	1
6	101223	NUT, Pinion Shaft	1
7	111721	SEAL, Pinion Oil	1
8	1C-1040	BOLT, Pinion Oil Seal Retainer	7
8A	1C-836	†BOLT, Pinion Oil Seal Ret. Locating	1
9	4E-10	LKWSHR, Pinion Oil Seal Retainer	7
9A	4E-08	LKWSHR, Pinion Oil Seal Ret. Loc.	1
10	675260	CONE, Outer Pinion Bearing	1
11	675259	CUP, Outer Pinion Bearing	1
12	675262	CUP, Center Pinion Bearing	1
13	675263	CONE, Center Pinion Bearing	1
14	8D-18	NUT, Differential Thrust Screw	1
15	101226	SCREW, Differential Thrust	1
16	101227	LOCK, Differential Thrust Screw	1
17	1C-928	BOLT, Carrier to Axle Housing	10
17A	1C-932	BOLT, Carrier to Axle Housing	2
17B	1C-940	BOLT, Carrier to Axle Housing	2
18	4E-09	LKWSHR, Carrier to Axle Hsg. Bolt	14
19	———	RING GEAR (See 50)	—
20	111658	WASHER, Differential Carrier Cap	4
21	101210	BOLT, Differential Carrier Cap	4
22	4E-06	LKWSHR, Diff. Adjusting Nut Lock	2
23	3C-614	BOLT, Diff. Adjusting Nut Lock	2
24	———	CAP, Differential Carrier (See 47)	—
25	86D-09	NUT, Ring Gear	12
26	———	DIFF. CASE — Flanged Half (See 51)	—
27	101196	BOLT, Ring Gear	12
28	———	NO-SPIN-UNIT — Diff. — (See Index)	—
29	675254	CONE, Differential Bearing	2
30	675252	CUP, Differential Bearing	2
31	100941	LOCK, Differential Adjusting Nut	2
32	———	DIFF. CASE — Plain Half (See 51)	—
33	123748	NUT, Differential Adjusting	2
34	101206	BOLT, Differential Case 9/16"	8
34A	111353	BOLT, Differential Case 5/8"	8
35	———	Use Perma-Tex #2	—
36	———	DIFFERENTIAL CARRIER (See 47)	—
37	86D-09	NUT, Differential Case Bolt 9/16"	8
37A	86D-10	NUT, Differential Case Bolt 5/8"	8
38	675265	BEARING, Pinion — Inner	1
39	815200	SPACER & SHIM KIT, Pinion Bearing	1
40	114351	‡SHIM, Pinion Bearing Cage — Thin	—
40A	101219	‡SHIM, Pinion Bearing Cage — Medium	—
40B	125579	‡SHIM, Pinion Bearing Cage — Thick	—
41	———	CAGE, Pinion Outer Bearing (See 46)	—
42	107483	GASKET, Pinion Oil Seal Retainer	1
43	107482	RETAINER, Pinion Oil Seal	1
44	4E-09	LKWSHR, Brake Mounting Bolt	4
45	1C-924	BOLT, Brake Mounting	4
46	107477	†BEARING CAGE & CUP ASSY (Inc. 11, 12 & 41)	1
47	815521	*†DIFF. CARRIER & CAP ASSY (Inc. 20, 21, 24 & 36)	1
48	111362	†DIFF. BODY SUB-ASSY (Inc. 28, 51)	1
49	118660	†DIFF. ASSY (Inc. 25, 27, 48 & 50)	1
50	815327	†RING GEAR & PINION KIT (Inc. 4 & 19)	1
51	815396	†DIFF. CASE KIT (Inc. 26, 32, 34A, 37A)	1

†Not Illustrated
‡As Required
*NOTE: 815521 item 47 also includes 1 — 116982 Differential Carrier and Cap Assembly, 3—64D-09 Nut, 7—17C-928 Bolt, 2—17C-932 Bolt, 2—17C-940 Bolt, 3—112294 Stud, 3—112295 Dowel & 14—106547 Washer.

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



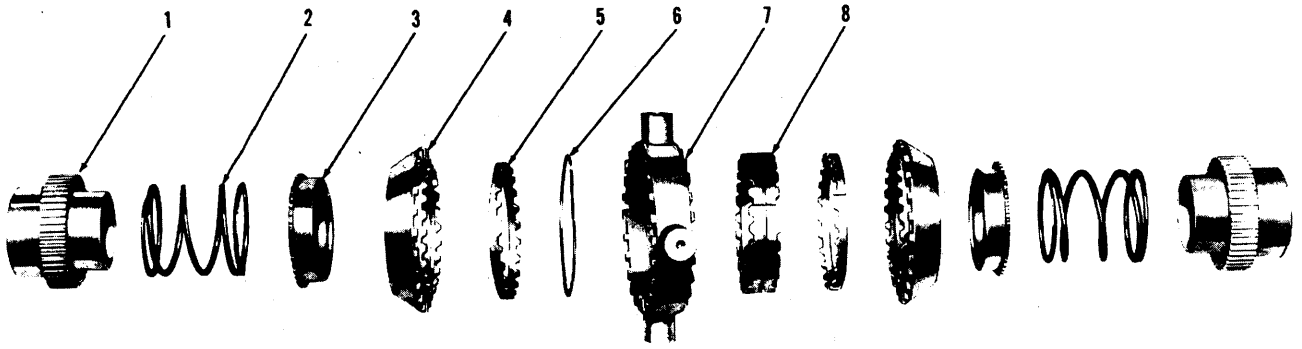
NO-SPIN DIFFERENTIAL UNIT

Column 1: For Serial: CUMMINS – 2892 thru 2942, 2LC52 thru 2LC61
Column 2: For Serial: CUMMINS – 2LC62 thru 2LC999
G.M. – 2LG101 thru 2LG999

Item No.	Description	No. Req'd.	Column 1	Column 2
A	NO-SPIN UNIT (Inc. 1 thru 8)	1	*106986	*110344
1	GEAR, Side	2	*941797	882199
2	SPRING	2	941796	882197
3	RETAINER, Spring	2	*941795	882198
4	CAM & CLUTCH	2	*941791	882196
5	RING, Holdout	2	960899	960899
6	RING, Snap – See 7	1	§----	§----
7	SPIDER	1	875913	875913
8	CENTER CAM – See 7	1	§----	§----

*NOTE: For complete replacement use 127566 No-Spin Unit.

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



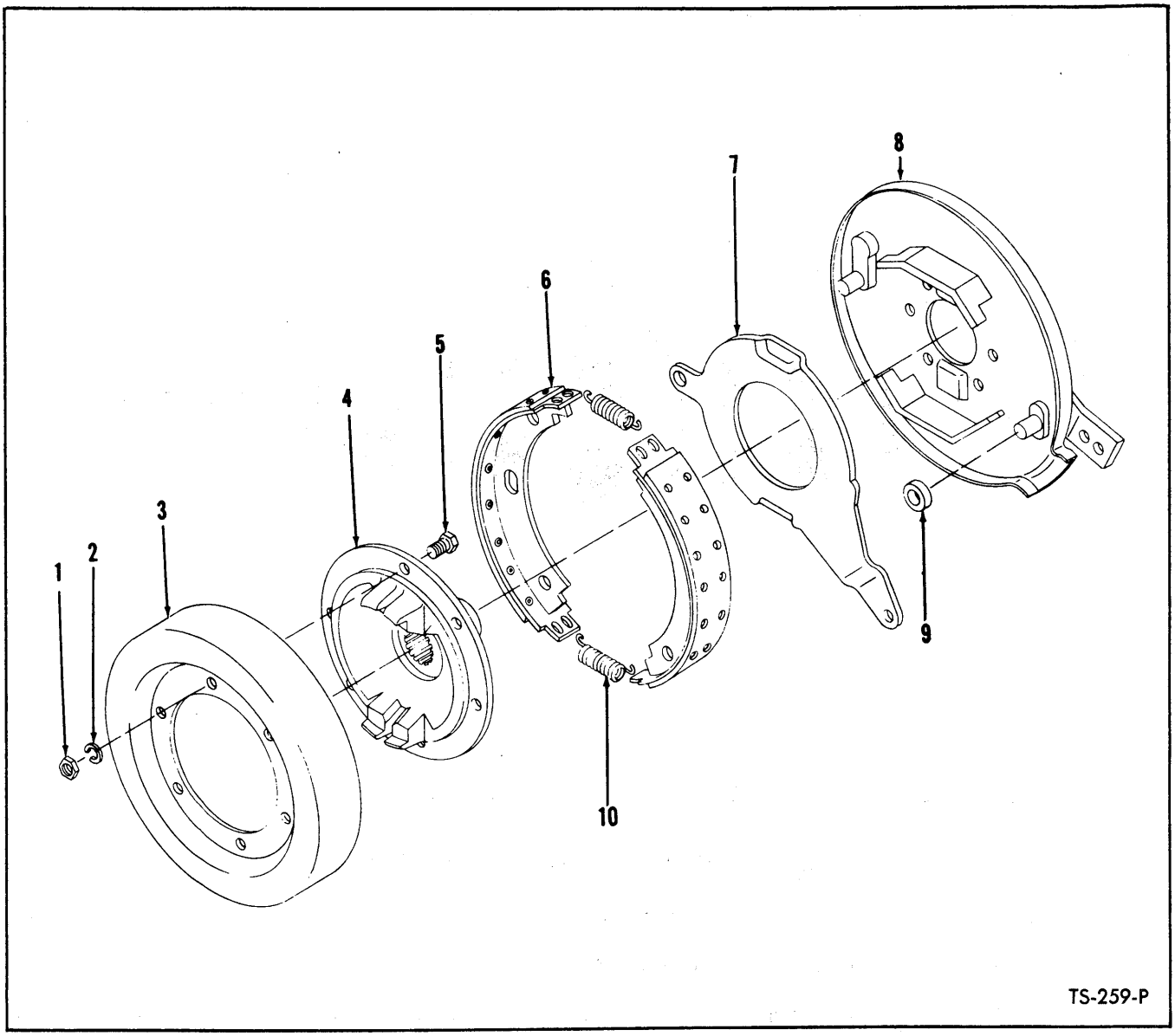
TS-249-P

NO-SPIN DIFFERENTIAL UNIT – SERVICE ONLY

Item	Part No.	Description	Qty.
A	127566	NO-SPIN UNIT (Inc. 1 thru 8)	1
1	882199	GEAR, Side	2
2	882197	SPRING	2
3	882198	RETAINER, Spring	2
4	882196	CAM & CLUTCH	2
5	960899	RING, Holdout	2
6	----	§RING, Snap – See 7	1
7	875913	SPIDER	1
8	----	§CENTER CAM – See 7	1

*NOTE: For complete replacement, use 110344.

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

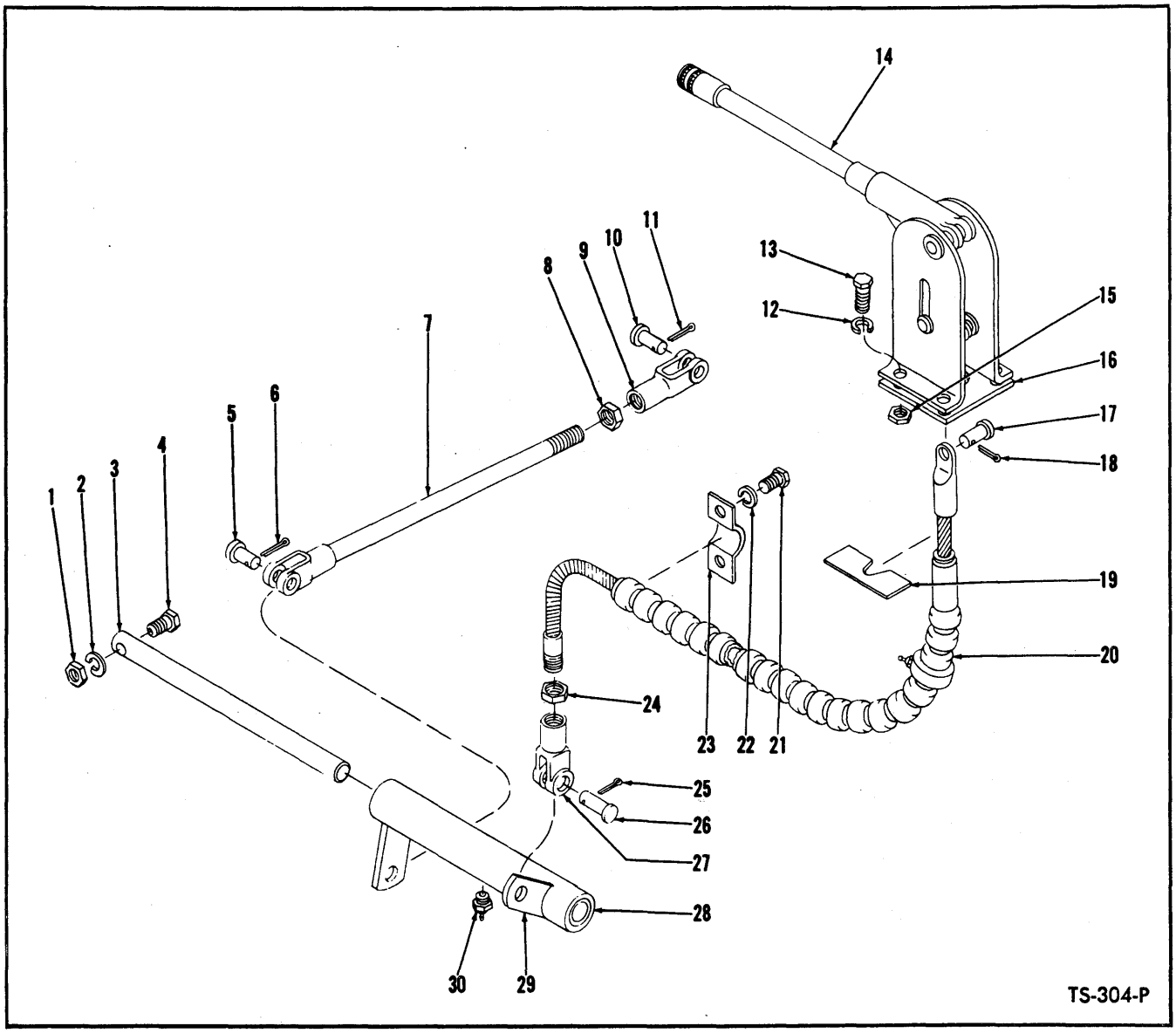


PARKING BRAKE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	107484	BRAKE ASSY (Inc. 6 thru 10)	1
1	2D-07	NUT, Drum to Flange	8
2	4E-07	LKWSHR, Drum to Flange	8
3	107481	DRUM, Brake	1
4	107480	FLANGE, Companion	1
5	104471	BOLT, Drum to Flange	8
6	872712	SHOE ASSY, Brake (Inc. 6A)	2
6A	942405	†KIT, Brake Lining (Inc. 6B)	1
6B	945051	†RIVET	28
7	220965	LEVER, Brake Operating Cam	1
8	875379	BRAKE BACK PLATE, Brake & Pawl Assy	1
9	220968	ROLLER, Brake Operating Cam	1
10	220969	SPRING, Brake Shoe Return	2
11	1C-924	†BOLT, Brake Mounting	4
12	4E-09	†LKWSHR, Brake Mounting	4

†Not Illustrated

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

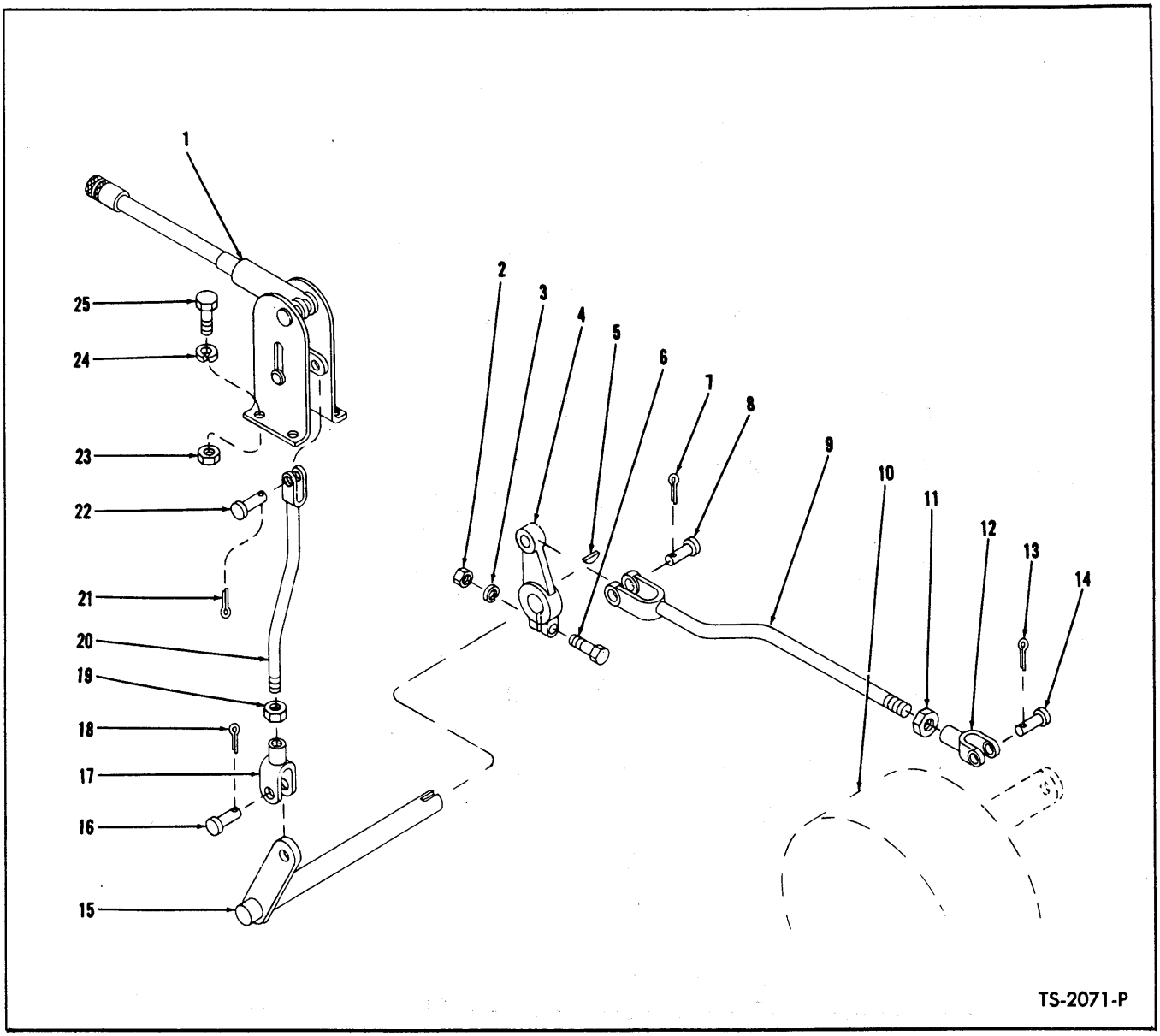


PARKING BRAKE CONTROLS

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.
1	2D-06	NUT, Shaft Retaining	1
2	4E-06	LKWSHR, Shaft Retaining	1
3	550299	SHAFT, Pivot Tube	1
4	2C-640	BOLT, Shaft Retaining	1
5	4F-06106	PIN, Pivot Tube to Link Rod Clevis	1
6	1F-312	COTTER, Clevis Pin	1
7	513948	ROD, Link	1
8	8D-06	NUT, Clevis Jam	1
9	2J-6208	CLEVIS, Link Rod End	1
10	4F-06106	PIN, Brake to Link Rod	1
11	1F-312	COTTER, Clevis Pin	1
12	4E-05	LKWSHR, Lever to Frame	4
13	2C-524	BOLT, Lever to Frame	4
14	————	LEVER, Parking Brake —See Index	1
15	2D-05	NUT, Lever to Frame	4
16	513945	PLATE, Lever Mounting	1
17	4F-04051	PIN, Cable to Lever	1
18	1F-208	COTTER, Cable to Lever Pin	1
19	513946	RETAINER, Conduit Ferrule	1
20	551688	CABLE ASSY	1
21	2C-516	BOLT, Bracket to Frame	2
22	4E-05	LKWSHR, Bracket to Frame	2
23	104645	BRACKET, Conduit Mounting	1
24	8D-06	NUT, Clevis Jam	1
25	1F-312	COTTER, Clevis Pin	1
26	4F-06106	PIN, Pivot Tube to Cable Clevis	1
27	2J-6208	CLEVIS, Brake Cable	1
28	526767	BUSHING, Pivot Tube	2
29	513311	PIVOT TUBE ASSY (Inc. 28)	1
30	10H-25	FITTING, Shaft Grease	1

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

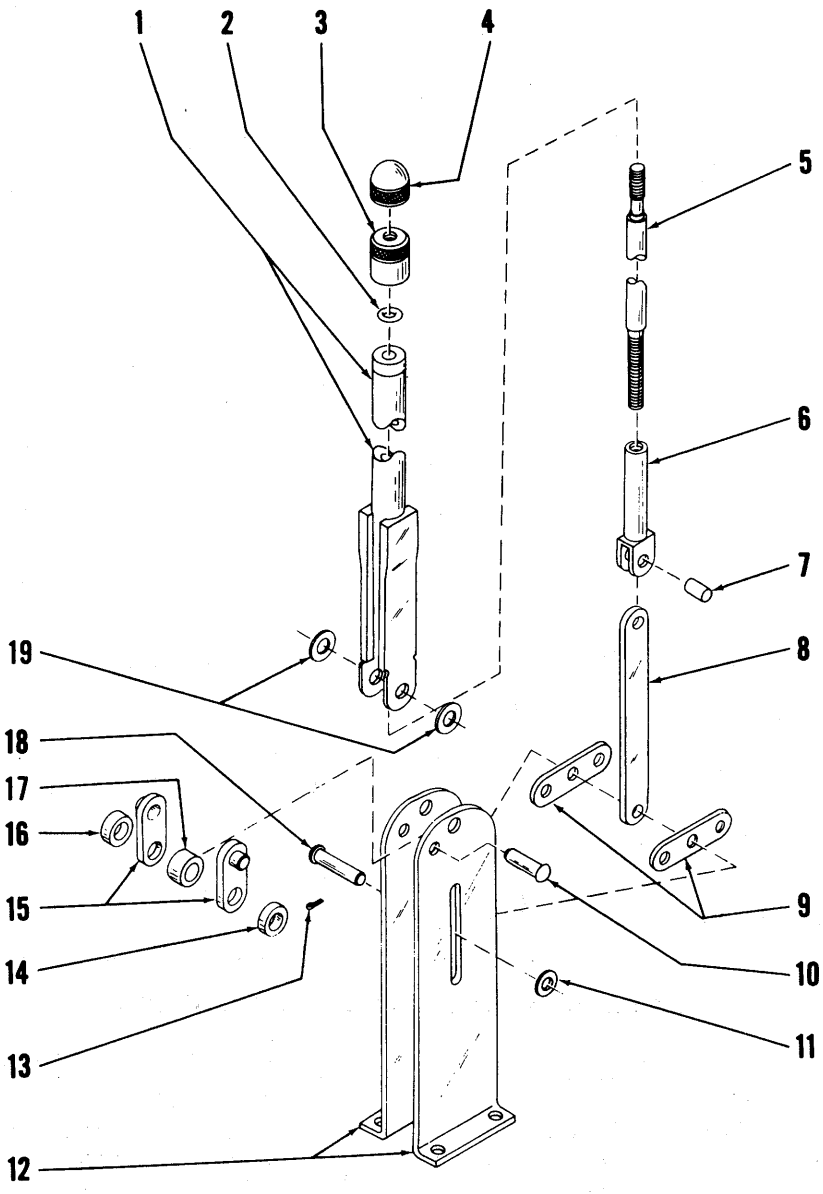


PARKING BRAKE CONTROLS

For Serial: CUMMINS — 2LC62 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	———	LEVER, Parking Brake—See Index	1
2	2D-06	NUT, Lever Attaching	1
3	4E-06	LKWSHR, Lever Attaching	1
4	551410	LEVER, Shaft to Rod	1
5	5J-606	KEY, Lever	1
6	2C-628	BOLT, Lever Clamp	1
7	1F-414	COTTER, Clevis Pin	1
8	4F-08127	PIN, Clevis	1
9	527928	ROD, Shaft to Brake Assy	1
10	———	PARKING BRAKE ASSY — See Index	—
11	8D-06	NUT, Clevis Jam	1
12	2J-6208	CLEVIS, Rod to Brake Assy	1
13	1F-312	COTTER, Clevis Pin	1
14	4F-06106	PIN, Clevis	1
15	527924	SHAFT, Rod Connector	1
16	4F-06106	PIN, Clevis	1
17	2J-6208	CLEVIS, Rod	1
18	1F-312	COTTER, Clevis Pin	1
19	8D-06	NUT, Clevis Jam	1
20	527923	ROD, Shaft to Lever	1
21	1F-210	COTTER, Clevis Pin	1
22	4F-04051	PIN, Clevis	1
23	2D-05	NUT, Lever Attaching	4
24	4E-05	LKWSHR, Lever Attaching	4
25	2C-520	BOLT, Lever Attaching	4

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

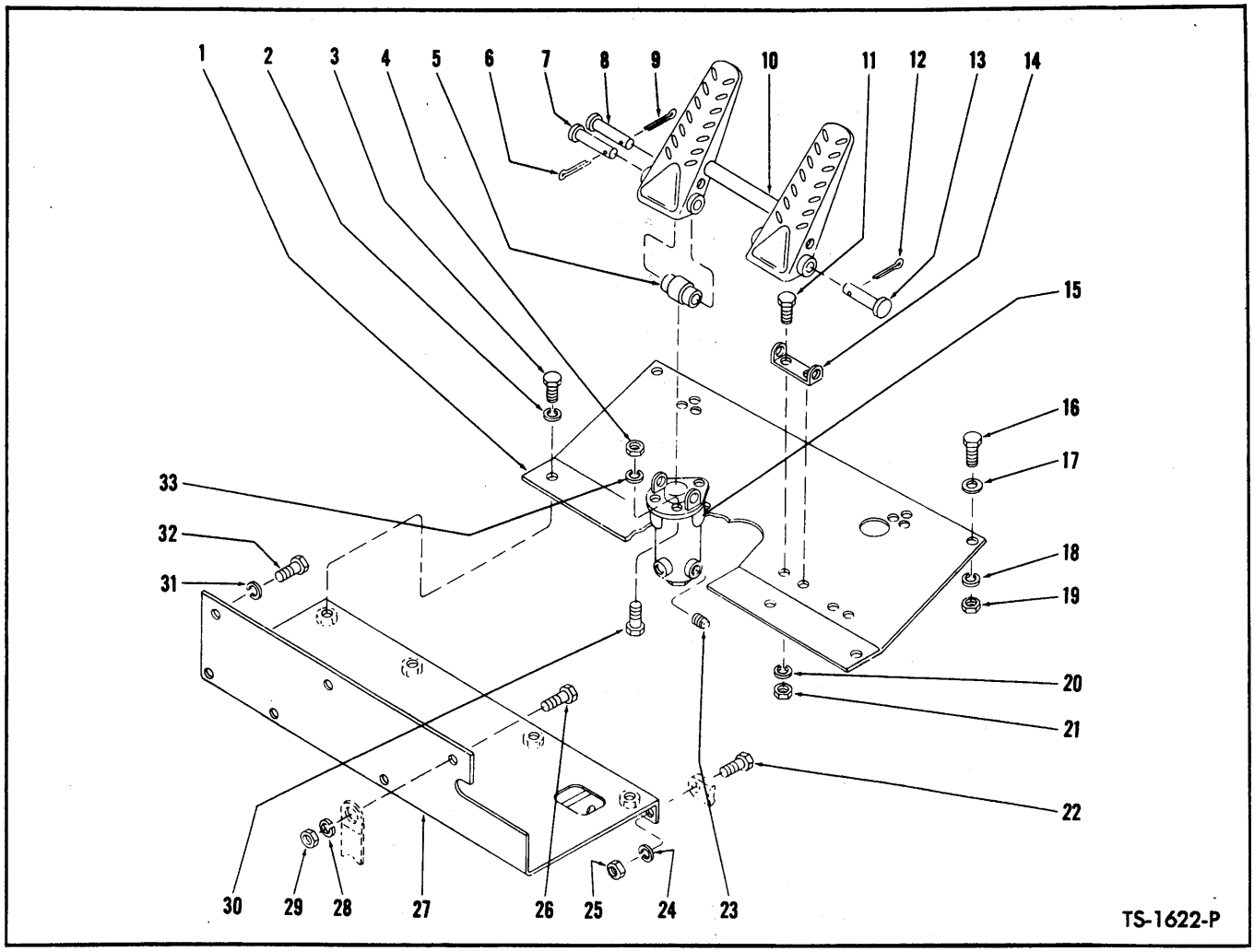


PARKING BRAKE LEVER ASSEMBLY

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

§ Not Sold Separately

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

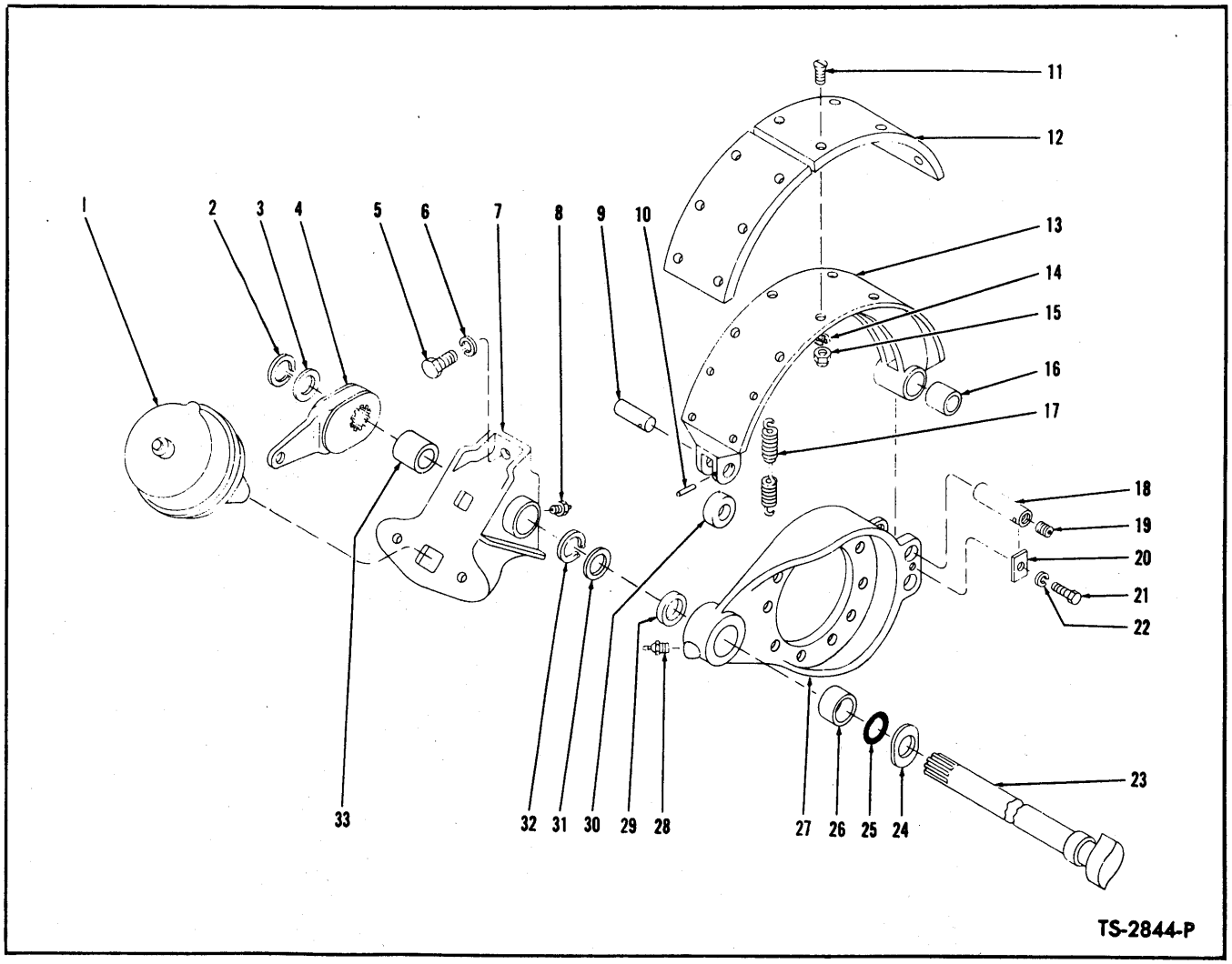


BRAKE CONTROLS AND FLOORBOARDS

Item No.	Part No.	Description	No. Req'd.
1		*FLOORBOARD, Front*	
1A	525441	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	1
1B	528238	For Serial: Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	1
2	4E-06	LKWSHR, Floorboard to Floorboard	4
3	2C-616	BOLT, Floorboard to Floorboard	4
4	2D-05	NUT, Valve to Floorboard	3
5	518259	ROLLER, Pedal	1
6	1F-312	COTTER, Clevis Pin	1
7	875767	PIN, Pedal to Valve	1
8	875766	PIN, Roller to Pedal	1
9	1F-312	COTTER, Clevis Pin	1
10	518261	PEDAL, Air Brake	1
11	2C-514	BOLT, Base to Floorboard	2
12	1F-312	COTTER, Clevis Pin	1
13	875767	PIN, Pedal to Base	1
14	513873	BASE, Pedal	1
15	945996	*VALVE, Air Brake—B.W. 277472	1
15A	13F-04	†PLUG, Air Brake Valve	1
16	2C-620	BOLT, Front Floorboard to Frame	2
17	25E-18	WASHER, Front Floorboard to Frame	2
18	4E-06	LKWSHR, Front Floorboard to Frame	2
19	2D-06	NUT, Front Floorboard to Frame	2
20	4E-05	LKWSHR, Base to Floorboard	2
21	2D-05	NUT, Base to Floorboard	2
22	2C-620	BOLT, Rear Floorboard to Frame	2
23	13F-08	PLUG, Air Brake Valve	2
24	4E-06	LKWSHR, Rear Floorboard to Frame	2
25	2D-06	NUT, Rear Floorboard to Frame	2
26	2C-624	BOLT, Rear Floorboard to Seat Angle	1
27	512614	FLOORBOARD, Rear	1
28	4E-06	LKWSHR, Rear Floorboard to Seat Angle	1
29	2D-06	NUT, Rear Floorboard to Seat Angle	1
30	2C-514	BOLT, Valve to Floorboard	3
31	4E-06	LKWSHR, Rear Floorboard to Seat Angle	2
32	2C-614	BOLT, Rear Floorboard to Seat Angle	2
33	4E-05	LKWSHR, Valve to Floorboard	3

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service components of this part.
†Not Illustrated

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

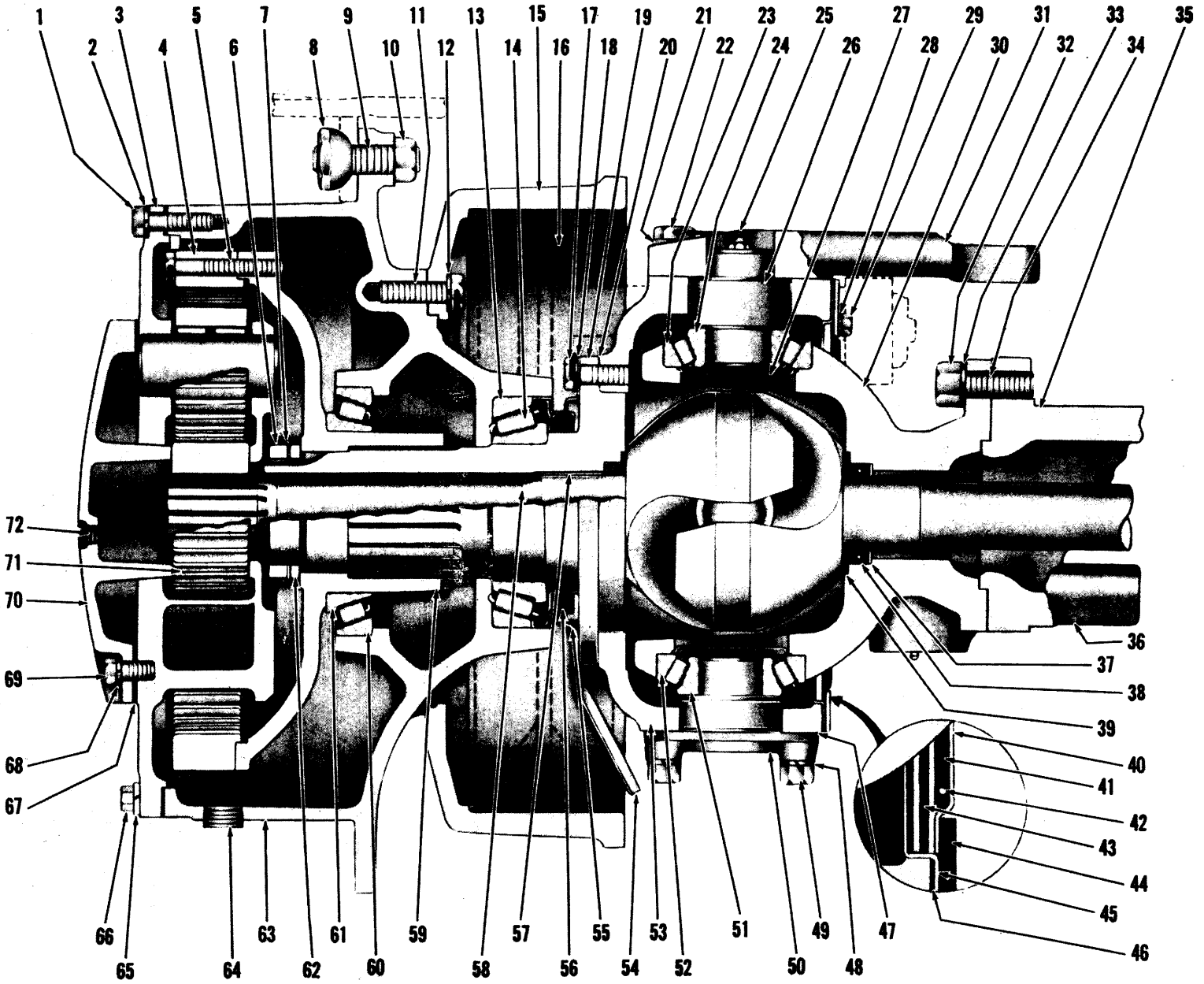


BRAKE ASSEMBLY — FRONT

Item No.	Part No.	Description	No. Req'd.
A	815659	BRAKE ASSY (Inc. 9 thru 22, 27, 30)	1
1	109263	*AIR CHAMBER — B.W. 229380	2
2	659764	RING, Slack Adjuster Retaining	2
3	107010	WASHER, Slack Adjuster Retaining	2
4	104214	*ADJUSTER, Slack — B.W. 222895	2
5	1C-1028	BOLT, Air Chamber Bracket	4
6	4E-10	LKWSHR, Air Chamber Bracket	4
7	104204	BRACKET, R.H. Air Chamber (Inc. 31)	1
7A	104203	†BRACKET, L.H. Air Chamber (Inc. 31)	1
8	10H-25	FITTING, Bracket Grease	2
9	106685	PIN, Brake Cam Roller	4
10	654724	PIN, Cam Roller Pin Lock	4
11	107706	SCREW, Lining to Shoe	48
12	107882	LINING, Brake Shoe	8
13	815654	SHOE ASSY, Brake (Inc. 9 thru 12, 14, 15, 16, 17A, 30)	4
14	24E-06	LKWSHR, Lining to Shoe	48
15	2D-06	NUT, Lining to Shoe	48
16	106687	BUSHING, Brake Shoe	8
17	114192	SPRING, Brake Shoe Return	2
17A	114193	†RETAINER, Brake Shoe Spring	2
18	106689	PIN, Brake Shoe Anchor	4
19	16F-04	PLUG, Anchor Pin	4
20	106690	LOCK, Anchor Pin	2
21	1C-512	BOLT, Anchor Pin Lock	2
22	4E-05	LKWSHR, Anchor Pin Lock	2
23	107006	CAM SHAFT — L.H.	1
23A	107005	†CAM SHAFT — R.H.	1
24	107007	WASHER, Cam Shaft Thrust	2
25	25K-60116	"O" RING, Cam Shaft	2
26	107003	BUSHING, Brake Spider	2
27	106681	SPIDER, Brake	2
28	14H-15	FITTING, Brake Spider Grease	2
29	11E-134	RETAINER, Cam Shaft Grease	2
30	104067	ROLLER, Brake Cam	4
31	107010	WASHER, Cam Shaft Retaining	2
32	659764	RING, Cam Shaft Retaining	2
33	102189	BUSHING, Air Chamber Bracket	2

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service and supply these parts.
†Not Illustrated

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



AXLE ASSEMBLY — REAR DRIVE STEER

TS-1568-P

AXLE ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126
G.M. — 2LG101 only

Item No.	Part No.	Description	No. Req'd.
A	130565	*AXLE ASSY (Inc. 1 thru 73)	1
1	100970	BOLT, Planet Spider to Hub	20
2	106762	WASHER, Planet Spider to Hub	20
3	———	PLANET SPIDER — See Index	—
4		*GEAR, Internal*	
4A	106233	For Serial: Cummins 2892 thru 2942, 2LC52 thru 2LC61	2
4B	110622	For Serial: Cummins — 2LC62 thru 2LC126 G.M. — 2LG101 only	2
5		*BOLT, Internal Gear to Hub*	
5A	106883	For Serial: Cummins—2892 thru 2942, 2LC52 thru 2LC61	16
5B	110624	For Serial: Cummins—2LC62 thru 2LC126 G.M. — 2LG101 only	16
6	114433	NUT, Outer Spindle	2
7	101274	LOCK, Spindle Nut	2
8	103522	NUT, Wheel	20
9	103445	STUD, Wheel	20
10	86D-12	NUT, Wheel Stud	20
11	107256	BOLT, Drum to Hub	24
12	104412	WASHER, Drum to Hub	24
13	672004	CUP, Inner Hub Bearing	2
14	672005	CONE, Inner Hub Bearing	2
15	107493	DRUM, Brake	2
16	———	BRAKE ASSY — See Index	—
17	107406	BOLT, Spindle Attaching	16
17A	110693	BOLT, Spindle Attaching (Body Fit)	16
18	109076	LOCKCLIP, Spindle Bolt	16
19	108576	SPINDLE ASSY (Inc. 57)	2
20	———	USE PERMATEX #2 (No Gasket Needed)	—
21	111656	WASHER, Steering Arm	4
22	106313	BOLT, Steering Arm	4
23	675258	CUP, Trunnion Bearing	2
24	667277	CONE, Trunnion Bearing	2
25	10H-25	FITTING, Steering Trunnion Grease	2
26	109887	TRUNNION, Steering — R.H.	1
26A	107758	TRUNNION, Steering — L.H.	1
27	106291	RETAINER, Trunnion Oil	2
28	4E-06	LKWSHR, Oil Seal Retainer	24
29	1C-612	BOLT, Oil Seal Retainer	24
30	108415	OUTER END, Housing	2
30A	10F-12	†PLUG, Outer End Filler	2
31	———	**§ARM, Steering	1
32	107089	NUT, Outer End Stud	16
33	111656	WASHER, Outer End Stud	16
34	112158	STUD, Outer End	16
35	109093	HOUSING, Axle	1
35A	10F-12	†PLUG, Housing Filler	1
35B	11F-12	†PLUG, Housing Drain	1
35C	12F-204	†PLUG, Housing Expansion	1
35D	106656	†BREATHER, Axle Housing	1
36	———	TIE ROD ASSY — See Index	—
37	106297	WASHER, Oil Seal	2
38	106296	SEAL, Universal Joint Oil	4
39	106298	WASHER, Universal Joint Thrust	4
40	106286	RETAINER, Outer End Dust Seal	2
41	106284	DUST SEAL, Outer End	2
42	106285	SPRING, Outer End Dust Seal	2
43	106283	SEAL, Outer End Oil	2
44	107468	RING, Outer End Seal Retaining	4
45	107466	RETAINER, Outer End Oil Seal	2
46	107467	GASKET, Oil Seal Retainer	2
47	127636	‡SHIM, Trunnion — Thick	—
47A	127637	‡SHIM, Trunnion — Medium	—
47B	127638	‡SHIM, Trunnion — Thin	—
48	4E-12	LKWSHR, Trunnion Bolt	12
49	17C-1228	BOLT, Trunnion	12
50	109886	TRUNNION, Flanged	2
51	667277	CONE, Trunnion Bearing	2
52	675258	CUP, Trunnion Bearing	2
53	110689	SUPPORT, R.H. Spindle (Inc. 53B)	1
53A	110690	SUPPORT, L.H. Spindle (Inc. 53B)	1
53B	102237	†BUSHING, Spindle Support	4
54	107469	TROUGH, Oil Catcher	2
55	106545	CATCHER, Oil	2
56	128117	SEAL, Hub Oil	2
57	106276	BUSHING, Spindle	2
58	108416	SHAFT ASSY, Axle	2
59		*HUB, Internal Gear*	
59A	106882	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
59B	110623	For Serial: Cummins — 2LC62 thru 2LC126 G.M. — 2LG101 only	2
60	668553	CUP, Outer Hub Bearing	2
61	675261	CONE, Outer Hub Bearing	2
62	114433	NUT, Inner Spindle	2
63	107252	HUB ASSY (Inc. 13, 60)	2
64	11F-12	PLUG, Hub Filler	2
65	3E-08	LKWSHR, Planet Puller Hole	4
66	1C-808	BOLT, Planet Puller Hole	4
67	———	Use PERMATEX #2	—
68	4E-07	LKWSHR, Sun Gear Thrust Cap	12
69	1C-720	BOLT, Sun Gear Thrust Cap	12
70	944277	CAP, Sun Gear Thrust (Inc. 70A)	2
70A	111805	VALVE, Relief	2
71	106246	GEAR, Sun	2
72	11F-04	PLUG, Thrust Cap	2
73	———	†DIFF. & CARRIER ASSY—See Index	1

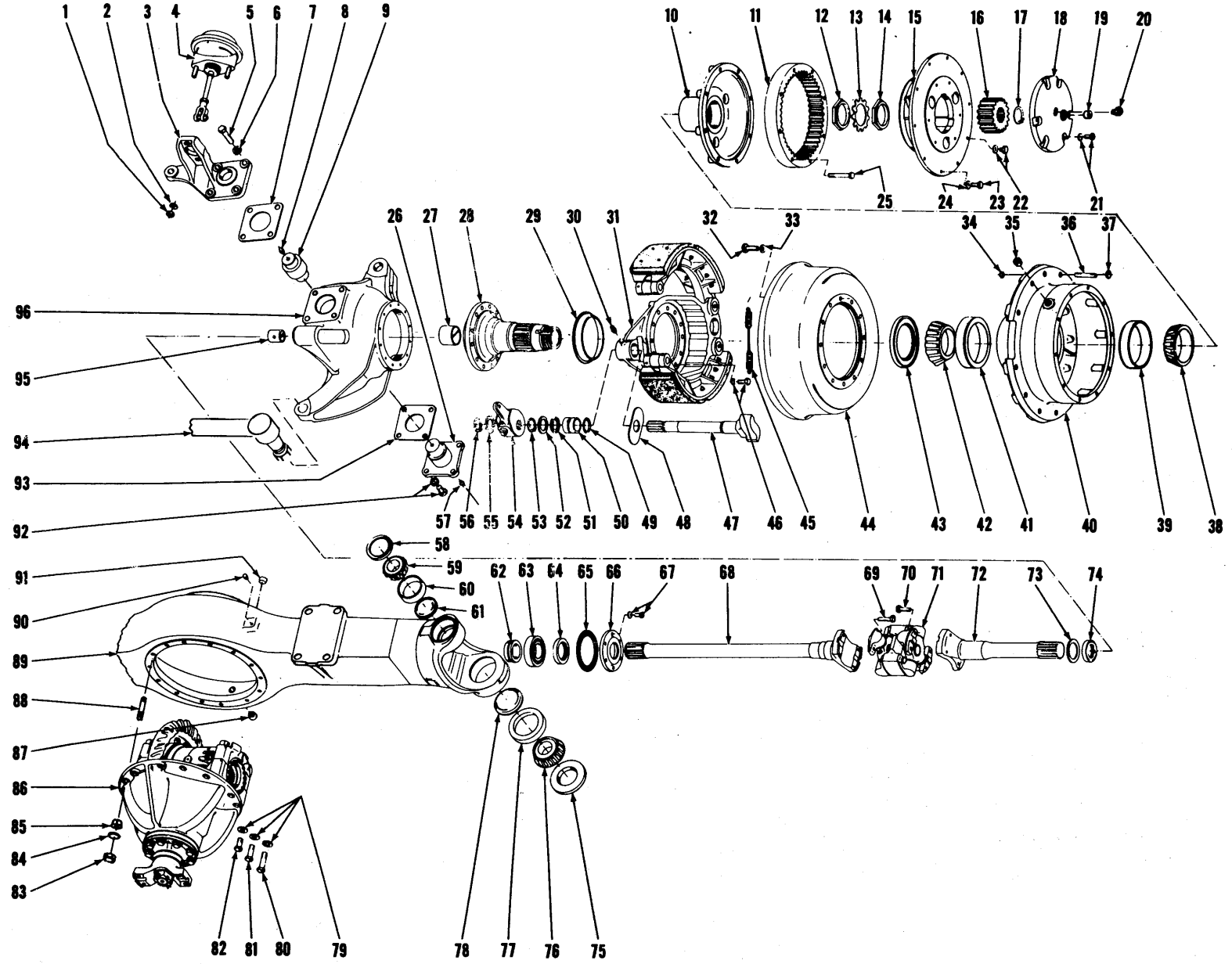
*NOTE: For complete replacement use 131197 Axle Assy listed on page 61; plus 1 — 530913 Cradle, 1 — 537511 Drag Link, 8 — 24C-1680 Bolts and 8 — 68D-16 Nuts.

**NOTE: For replacement use 1 — 815882 Arm -Steering, plus 4 — 17C-1240CR Capscrews.

†Not Illustrated

‡As Required

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



AXLE ASSEMBLY — REAR DRIVE STEER

TS-3121-P

AXLE ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2LC127 thru 2LC999; G.M. — 2LG102 thru 2LG999

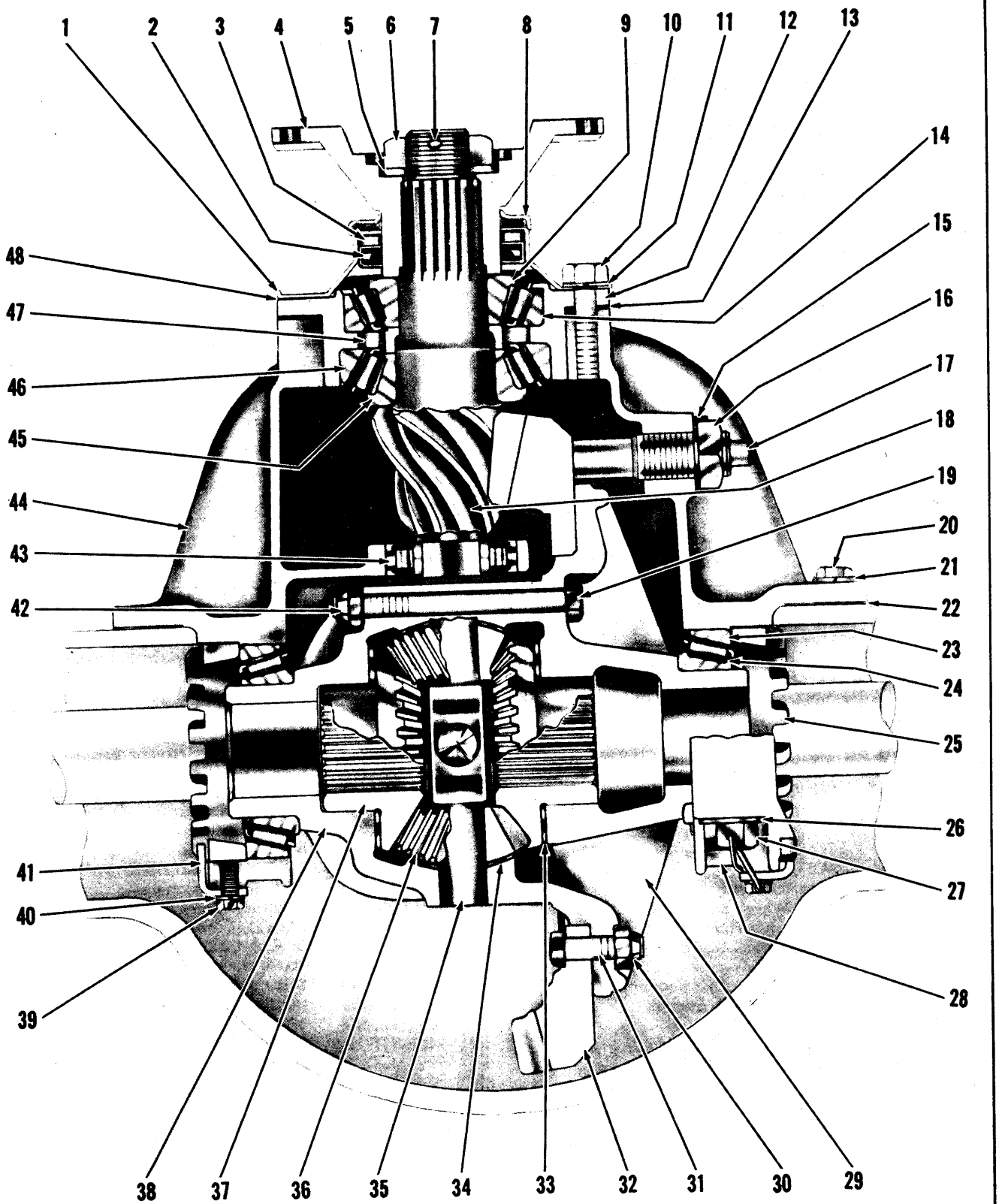
Item No.	Part No	Description	No. Req'd.
A	130996	AXLE ASSY (Inc. 1 thru 82, 86, 87, 89 thru 97) For Serial: Cummins—2LC127 thru 2LC182; G.M.—2LG102 thru 2LG145 (For complete axle replacement use 131197)	1
B	131197	AXLE ASSY (Inc. 1 thru 96) For Serial: Cummins 2LC183 thru 2LC999; G.M. — 2LG146 thru 2LG999	1
1	8D-10	NUT, Air Chamber to Bracket	4
2	4E-10	LKWSHR, Air Chamber to Bracket	4
3	110962	BRACKET, Air Chamber — R.H.	1
3A	111634	BRACKET, Air Chamber — L.H.	1
4	110203	*CHAMBER, Air (Inc. 4A) B.W. #229346	2
5	17C-1232	BOLT, Air Chamber Bracket	8
6	4E-12	LKWSHR, Air Chamber Bracket	8
7	127636	‡SHIM, Air Chamber Bracket—.010"	—
7A	127637	‡SHIM, Air Chamber Bracket—.007"	—
7B	127638	‡SHIM, Air Chamber Bracket—.004"	—
8	10H-25	FITTING, Upper Trunnion Grease	2
9	110906	TRUNNION, Steering — Upper	2
10	110553	HUB, Internal Gear	2
11	110622	GEAR, Internal	2
12	110559	NUT, Inner Spindle	2
13	118786	LOCK, Spindle Nut	2
14	110559	NUT, Outer Spindle	2
15	———	PLANET CARRIER — See Index	—
16	106232	GEAR, Sun	2
17	224023	RING, Sun Gear Retainina	2
18	815564	CAP, Sun Gear Thrust — See Note "A"	2
19	11F-12	PLUG, Thrust Cap	2
20	111805	VALVE, Relief	2
21	1C-720	BOLT, Thrust Cap	12
21A	4E-07	LKWSHR, Thrust Cap	12
22	1C-808	BOLT, Planet Puller Hole Plug	4
22A	3E-08	LKWSHR, Planet Puller Hole Plug	4
23	100970	BOLT, Planet Carrier to Hub	20
24	106762	WASHER, Planet Carrier to Hub	20
25	110624	BOLT, Internal Gear to Hub	16
26	110905	TRUNNION, Steering — Lower	2
27	110890	BUSHING, Spindle	2
28	111728	SPINDLE ASSY (Inc. 27)	2
29	110942	CATCHER, Oil	2
30	12H-15	FITTING, Spider Grease	2
31	———	BRAKE ASSY — See Index	—
32	107256	BOLT, Drum to Hub	24
33	104412	WASHER, Drum to Hub	24
34	103076	NUT, Wheel Stud	20
35	11F-12	PLUG, Hub Filler	2
36	103445	STUD, Wheel	20
37	103522	NUT, Wheel	20
38	742263	CONE, Outer Hub Bearing	2
39	742262	CUP, Outer Hub Bearing	2
40	815574	HUB ASSY (Inc. 39, 41)	2
41	774024	CUP, Inner Hub Bearing	2
42	774025	CONE, Inner Hub Bearing	2
43	125248	SEAL, Hub Oil	2
44	112662	DRUM, Brake	2
45		*SPRING, Brake Shoe Return*	
45A	110814	For Serial: Cummins — 2LC127 thru 2LC182 G.M. — 2LG102 thru 2LG145	2
45B	112215	Cummins — 2LC183 thru 2LC999; G.M. — 2LG146 thru 2LG999	2
46	110958	BOLT, Spindle & Brake Attaching	24
46A	104412	WASHER, Spindle & Brake Attaching	24
47	110964	CAM SHAFT — R.H.	1
47A	110965	CAM SHAFT — L.H.	1
48	107735	WASHER, Cam Shaft Thrust	2
49	25K-60124	"O" RING, Cam Shaft	2
50	107739	BUSHING, Brake Spider	2
51	11E-135	RETAINER, Cam Shaft Grease	2
52	107736	WASHER, Cam Shaft Retaining	2
53	660516	RING, Cam Shaft Retaining	2
54	107247	*ADJUSTER, Slack—B.W. 222485	2
55	107010	WASHER, Slack Adjuster Retaining	2
56	659764	RING, Slack Adjuster Retaining	2
57	10H-25	FITTING, Lower Trunnion Grease	2
58	112050	SEAL, Upper Trunnion Oil	2
59	856071	CONE, Upper Trunnion Bearing	2
60	662738	CUP, Upper Trunnion Bearing	2
61	106291	RETAINER, Upper Trunnion Oil	2
62	109931	SLEEVE, Axle Shaft	2
63	214596	BEARING, Axle Shaft	2
64	110897	SEAL, Axle Shaft Oil	2
65	108663	GASKET, Bearing Retainer	2
66	119366	RETAINER, Axle Shaft Bearing	2
67	1C-620	BOLT, Bearing Retainer	12
67A	4E-06	LKWSHR, Bearing Retainer	12
68	110959	SHAFT, Axle	2
69	18C-836	BOLT, U-Joint to Axle Shaft	8
70	18C-836	BOLT, U-Joint to Wheel Shaft	8
71	124652	U-JOINT ASSY (Inc. 71A, B, C, D)	2
71A	960111	†SPIDER & BEARING (Inc. 71D, 71E)	4
71B	944718	†COUPLING PLATE	2
71C	18C-834	†BOLT, Spider & Brg. to Coupling Plate	16
71D	1300452	†FITTING, Spider Grease	4
71E	———	§†SEAL, Spider Grease	16
72	110960	SHAFT, Wheel	2
73	110899	WASHER, Wheel Shaft Oil Seal	2
74	110898	SEAL, Wheel Shaft Oil	2
75	112049	SEAL, Lower Trunnion Oil	2
76	784295	CONE, Lower Trunnion Bearing	2
77	784296	CUP, Lower Trunnion Bearing	2
78	108665	RETAINER, Lower Trunnion Oil	2
79	106547	WASHER, Carrier to Axle Housing	11
80	17C-940	BOLT, Carrier to Housing—2½" Long	2
81	17C-932	BOLT, Carrier to Housing—2" Long	2
82	17C-928	BOLT, Carrier to Housing—1¾" Long	7
83	2D-09	**NUT, Carrier to Housing	3
84	106547	**WASHER, Carrier to Housing	3
85	112295	**DOWEL, Carrier to Housing	3
86	———	DIFF. & CARRIER ASSY — See Index	—
87	11F-12	PLUG, Housing Drain	1
88	112294	**STUD, Carrier to Housing	3
89	110953	HOUSING, Axle	1
90	106656	BREATHER, Axle Housing	1
91	11F-12	PLUG, Housing Filler	1
92	17C-1232	BOLT, Lower Trunnion	8
92A	4E-12	LKWSHR, Lower Trunnion	8
93	127636	‡SHIM, Lower Trunnion—.010"	—
93A	127637	‡SHIM, Lower Trunnion—.007"	—
93B	127638	‡SHIM, Lower Trunnion—.004"	—
94	———	TIE ROD ASSY — See Index	—
95	102189	BUSHING, Spindle Support	2
96	110954	SUPPORT ASSY, R.H. Spindle (In. 95)	1
96A	110955	SUPPORT ASSY, L.H. Spindle (Inc. 95)	1
97	10H-25	†FITTING, Support Grease	2

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

**Machines Serial: Cummins — 2LC162 thru 2LC999 and G.M. — 2LG117 thru 2LG999 were first equipped with items 83, 84, 85, 88.

‡As Required †Not Illustrated

NOTE "A": 815564 also includes 6—112278 Washers, 1—113292 "O" Ring & 1—113291 Cap.



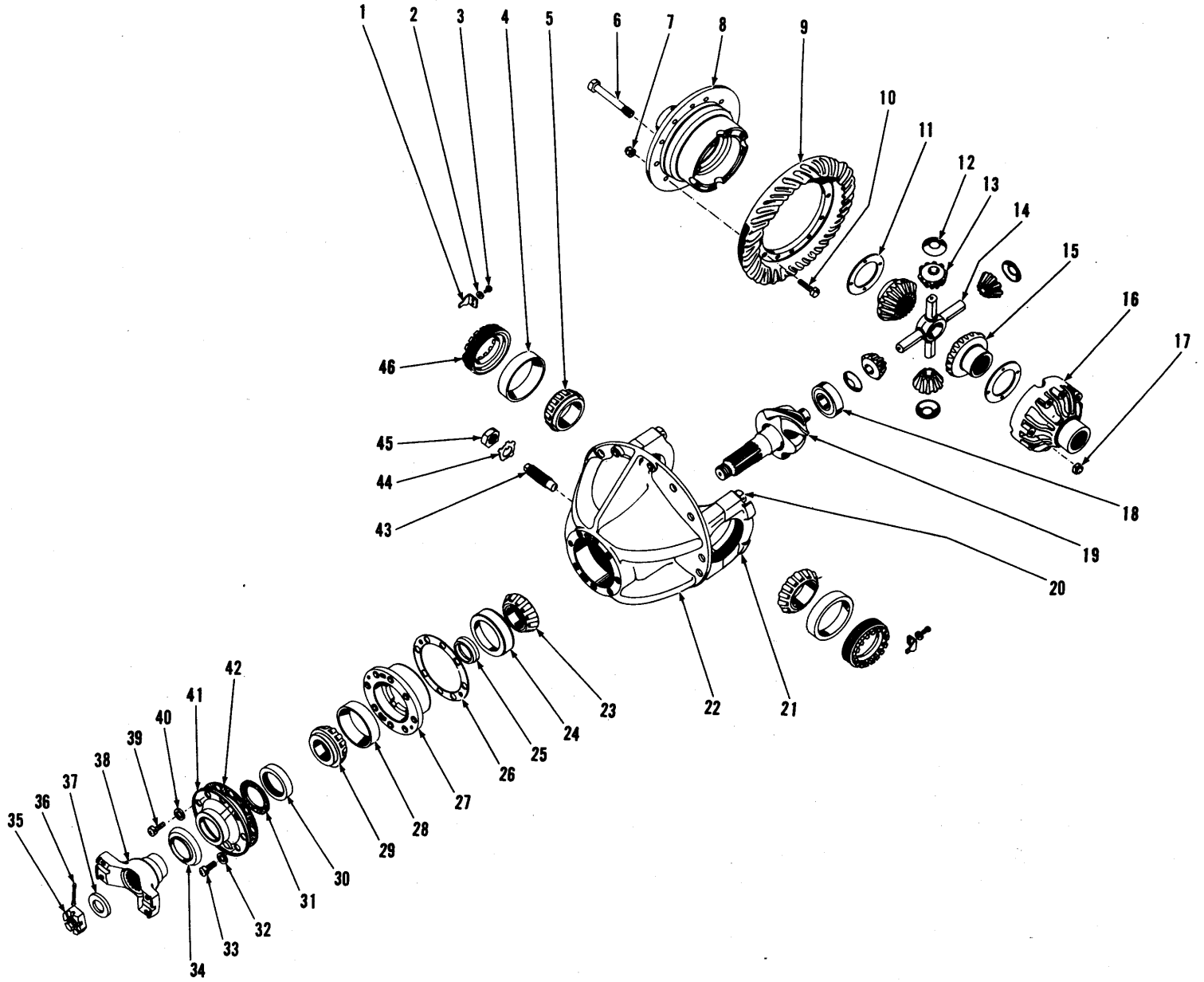
DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER TS-1608-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126
G.M. — 2LG101 only

Item No	Part No.	Description	No. Req'd.
A	111485	*DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 48)	1
1	101253	RETAINER, Pinion Oil Seal	1
2	110897	SEAL, Pinion Oil	1
3	101256	GASKET, Pinion Oil	1
4	106244	FLANGE, Companion	1
5	101263	WASHER, Pinion Shaft	1
6	101262	NUT, Pinion Shaft	1
7	1F-732	COTTER, Pinion Shaft	1
8	101261	DUST SHIELD, Pinion	1
9	667277	CONE, Outer Pinion Bearing	1
10	1C-928	BOLT, Oil Seal	7
10A	1C-828	BOLT, Oil Seal Locating	1
11	4E-09	LKWSHR, Oil Seal	7
11A	4E-08	LKWSHR, Oil Seal Locating	1
12	101250	CAGE ASSY, Pinion Bearing	1
13	101257	‡SHIM, Bearing — .004	—
13A	125567	‡SHIM, Bearing — .007	—
13B	125568	‡SHIM, Bearing — .010	—
14	667278	CUP, Outer Pinion Bearing	1
15	101227	LOCK, Nut	1
16	8D-18	NUT, Thrust Screw	1
17	101226	SCREW, Thrust	1
18	———	§PINION (See 51)	1
19	101246	BOLT, Differential Case — ½"	8
19A	111348	BOLT, Differential Case — 9/16"	8
20	1C-824	BOLT, Carrier 1½ in.	12
20A	1C-828	BOLT, Carrier 1¾ in.	2
21	4E-08	LKWSHR, Carrier	14
22	———	Use Perma-Tex #2	—
23	667275	CUP, Differential Bearing	2
24	654144	CONE, Bearing	2
25	123747	NUT, Adjusting	2
26	111658	WASHER, Carrier Cap	4
27	101210	BOLT, Carrier Cap	4
28	———	§CAP, Carrier (See 44)	2
29	———	§DIFFERENTIAL CASE (See 52)	1
30	86D-09	NUT, Ring Gear	12
31	101196	BOLT, Ring Gear	12
32	———	§RING GEAR (See 51)	1
33	118474	WASHER, Side Gear Thrust	2
34	101244	WASHER, Pinion Thrust	4
35	117022	SPIDER, Differential	1
36	101241	PINION, Differential	4
37	104167	GEAR, Differential Side	2
38	———	§DIFF CASE, Plain Half (See 52)	1
39	3C-614	BOLT, Adjusting	2
40	4E-06	LKWSHR, Adjustment Bolt	2
41	100941	LOCK, Nut	2
42	86D-08	NUT, Differential Case Bolt — ½"	8
42A	86D-09	NUT, Differential Case Bolt — 9/16"	8
43	667466	BEARING, Inner Pinion	1
44	815781	CARRIER ASSY, Differential	1
45	667276	CONE, Center Pinion Bearing	1
46	658988	CUP, Center Pinion Bearing	1
47	815172	SPACER & SHIM KIT, Pinion Bearing	1
48	———	*GASKET, Oil Seal	1
49	111486	†DIFF. ASSY (Inc. 30, 31, 50, 51)	1
50	111344	†DIFFERENTIAL BODY SUB-ASSY (Inc. 33, 35 thru 37, 52)	1
51	815201	†GEAR & PINION SET (Inc. 18, 32)	1
52	815395	†DIFFERENTIAL CASE KIT (Inc. 19A, 29, 34, 38, 42A)	1

‡As Required §Not Sold Separately †Not Illustrated *NOTE: For replacement use Loctite #277.
*NOTE: For replacement use 815626 Kit, which consists of 1—122810 Differential & Carrier Assy., 1—17C-840 Capscrew, 14—106762 Capscrew Washer, 14—112286 Stud, 3—112287 Stud Dowel, & 14—64D-08 Stud Nut.



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY – REAR DRIVE STEER

For Serial: CUMMINS – 2LC127 thru 2LC999
G.M. – 2LG102 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A		*DIFF. & CARRIER ASSY (Inc. 1 thru 50)*	
B	815511	*For Serial: Cummins – 2LC127 thru 2LC161 G.M. – 2LG102 thru 2LG116	1
C	815511	For Serial: Cummins – 2LC162 thru 2LC999; G.M. – 2LG117 thru 2LG999	1
1	100941	LOCK, Differential Adjusting Nut	2
2	4E-06	LKWSHR, Adjusting Nut Lock	2
3	3C-614	BOLT, Adjusting Nut Lock	2
4	675252	CUP, Differential Bearing	2
5	675254	CONE, Differential Bearing	2
6	111353	BOLT, Differential Case	8
7	86D-09	NUT, Ring Gear Bolt	12
8	———	§DIFF. CASE – Flange Half – (See 50)	1
9	———	§RING GEAR – (See 49)	1
10	101196	BOLT, Ring Gear	12
11	118478	WASHER, Side Gear Thrust	2
12	111352	WASHER, Differential Pinion Thrust	4
13	815746	PINION, Differential	4
14	117105	SPIDER, Differential	1
15	106206	GEAR, Differential Side	2
16	———	§DIFF. CASE – Plain Half – (See 50)	1
17	86D-10	NUT, Differential Case Bolt	8
18	675265	BEARING, Inner Pinion	1
19	———	§PINION, Differential – (See 49)	1
20	101210	BOLT, Differential Carrier Cap	4
20A	111658	†WASHER, Carrier Cap Bolt	4
21	———	§CAP, Differential Carrier – (See 22)	2
22	815521	*CARRIER ASSY, Diff. (Inc. 20, 20A, 21)	1
23	675263	CONE, Center Pinion Bearing	1
24	675262	CUP, Center Pinion Bearing	1
25	815200	SPACER, Pinion Bearing	1
26	114351	‡SHIM, Bearing Cage – .004"	–
26A	101219	‡SHIM, Bearing Cage – .007"	–
26B	125579	‡SHIM, Bearing Cage – .010"	–
27	101211	**CAGE ASSY, Pinion Bearing (Inc. 24, 28)	1
28	675259	CUP, Outer Pinion Bearing	1
29	675260	CONE, Outer Pinion Bearing	1
30	111721	SEAL, Pinion Oil	1
31	101217	GASKET, Pinion Oil Seal	1
32	4E-10	LKWSHR, Oil Seal Retainer	7
33	1C-1032	BOLT, Oil Seal Retainer	7
34	101222	DEFLECTOR, Pinion Dust	1
35	101223	NUT, Pinion Shaft	1
36	1F-740	COTTER, Pinion Shaft Nut	1
37	101224	WASHER, Pinion Shaft Nut	1
38	106209	FLANGE, Companion	1
39	1C-828	BOLT, Oil Seal Retainer Locating	1
40	4E-08	LKWSHR, Oil Seal Retainer Locating	1
41	101214	RETAINER, Pinion Oil Seal	1
42	107483	GASKET, Oil Seal Retainer	1
43	———	§SCREW, Thrust – See A	1
44	———	§LOCK, Thrust Screw Nut – See A	1
45	———	§NUT, Thrust Screw – See A	1
46	123748	NUT, Differential Adjusting	1
47	108815	DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
48	111349	DIFF. BODY SUB ASSY (Inc. 6, 8, 11 thru 17)	1
49	815326	GEAR & PINION SET (Inc. 9, 19)	1
50	815396	DIFF. CASE KIT (Inc. 6, 8, 12, 16, 17)	1

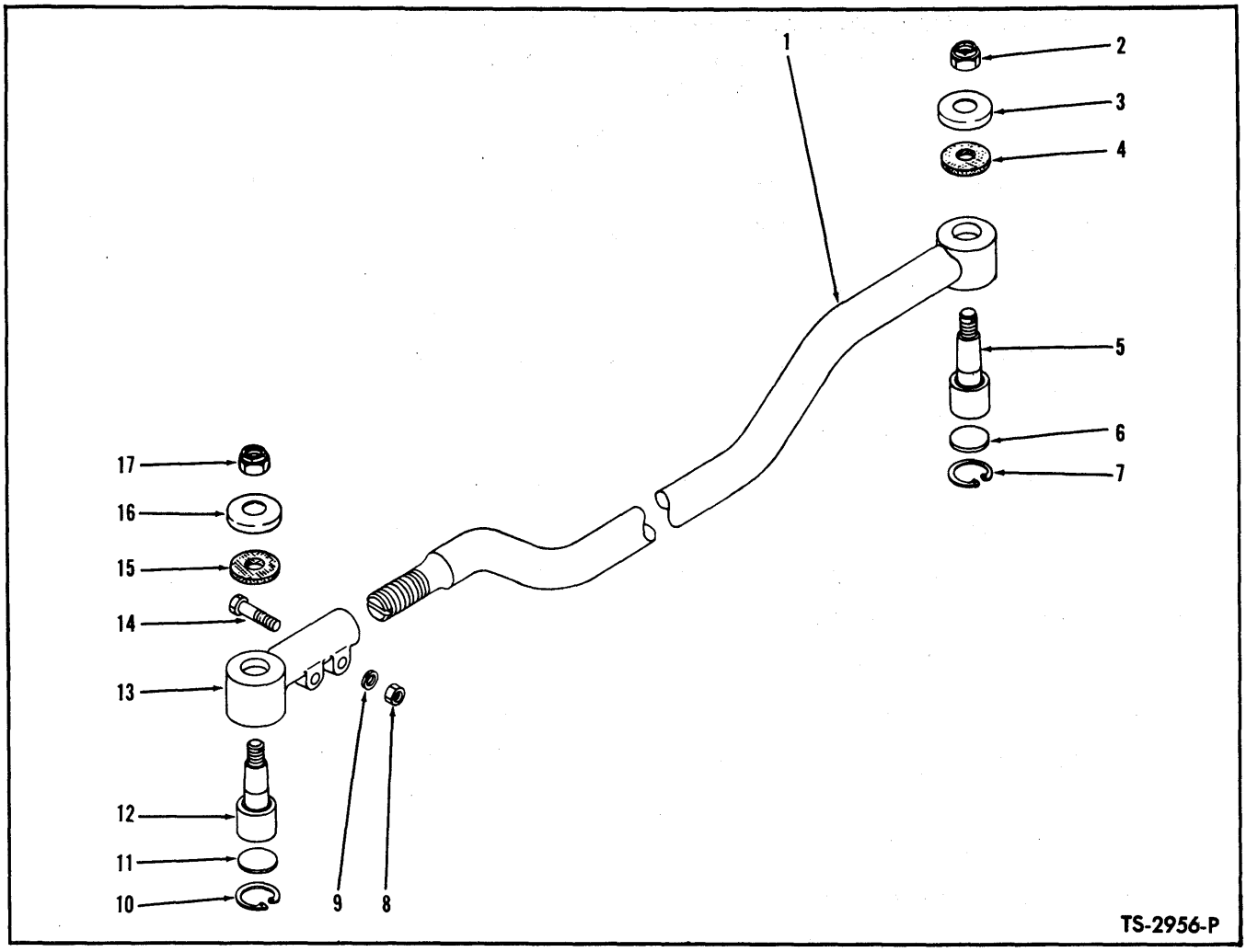
*NOTE: 815521 & 815511 also includes 3–2D-09 Nut, 7–17C-928 Bolt, 2–17C-932 Bolt, 2–17C-940 Bolt, 3–112294 Stud, 3–112295 Dowel, 14–106547 Washer.

§Not Sold Separately

†Not Illustrated

‡As Required

**NOTE: For replacement use 815987 Kit, which consists of 1–107477 Pinion Bearing Cage Assy., consisting of 1–107478 Bearing Cage, 1–675259 Bearing Cup, 1–655262 Bearing Cup; 1–122734 Pinion Oil Seal Retainer, and 1–118068 Pinion Oil Seal.

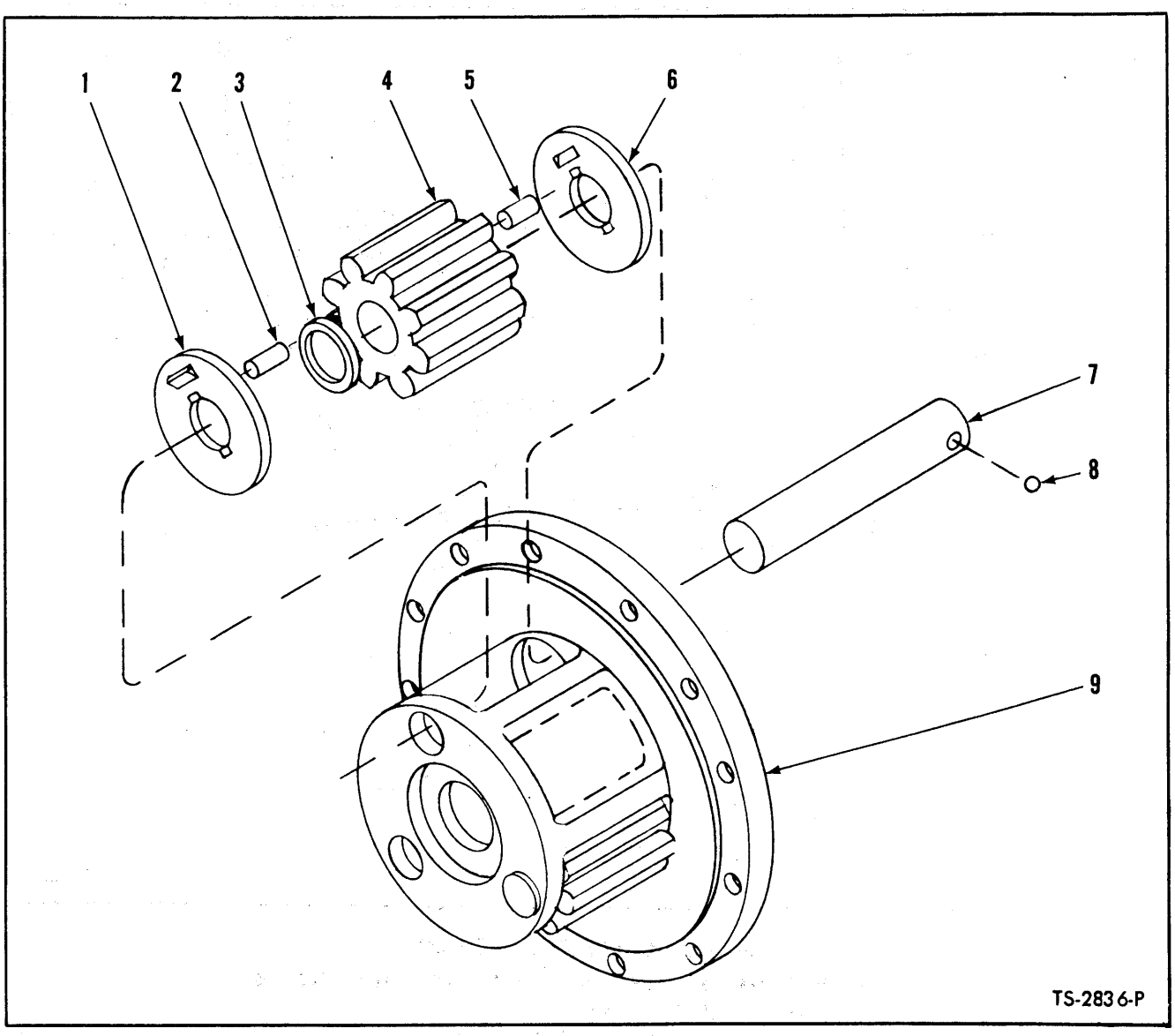


TIE ROD ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	112341	TIE ROD ASSY (Inc. 1, 5 thru 14)	1
B	112344	END ASSY, Tie Rod (Inc. 8 thru 14)	1
1	———	§TIE ROD — See "A"	1
2	112175	NUT, Ball Stud	1
3	106267	RETAINER, Felt	1
4	106266	FELT, Ball Stud Dust	1
5	523461	BALL STUD	1
6	541880	PLATE, Ball Stud Retaining	1
7	661416	RING, Plate Retaining	1
8	2D-10	NUT, End to Tie Rod	2
9	4E-10	LKWSHR, End to Tie Rod	2
10	661416	RING, Plate Retaining	1
11	541880	PLATE, Ball Stud Retaining	1
12	523461	BALL STUD	1
13	———	§HOUSING, End — See "B"	1
14	2C-1040	BOLT, End to Tie Rod	2
15	106266	FELT, Ball Stud Dust	1
16	106267	RETAINER, Felt	1
17	112175	NUT, Ball Stud	1

§Not Sold Separately

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



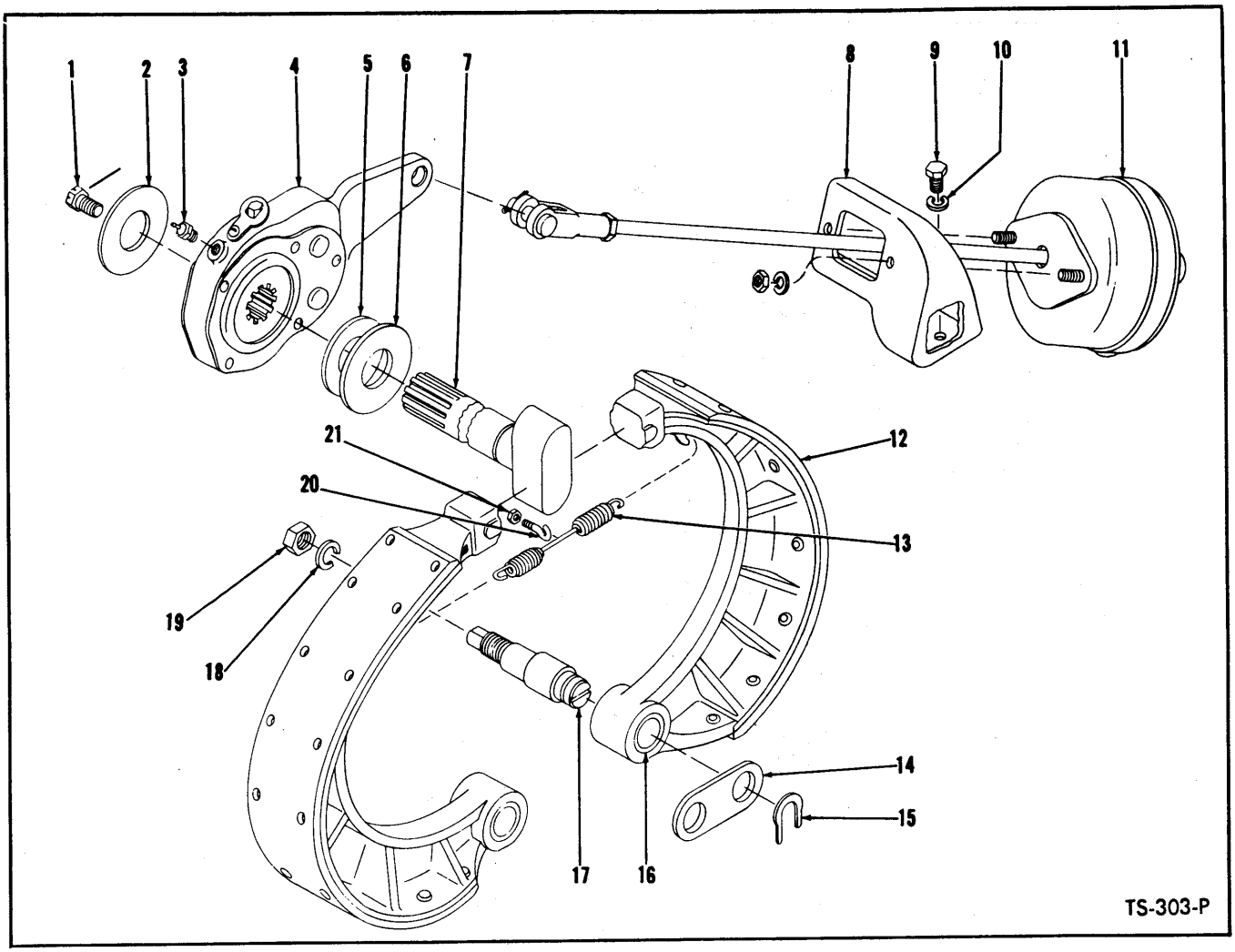
PLANET SPIDER ASSEMBLY

4 Planet Spiders Used on Machine — Quantity Indicated Is for 1 Planet Spider

Item No.	Part No.	Description	No. Req'd.
A	945125	*PLANET SPIDER ASSY (Inc. 1 thru 9)	1
1	106357	WASHER, Pinion Thrust	3
2	106358	ROLLER, Pinion Needle	75
3	106359	SPACER, Roller	3
4	106356	PINION, Planet	3
5	106358	ROLLER, Pinion Needle	75
6	106357	WASHER, Pinion Thrust	3
7	106355	SHAFT, Pinion	3
8	10J-12	BALL, Pinion Shaft Lock	3
9	945126	*SPIDER, Planet	1

*NOTE: 945125 & 945126 also includes 5 each of 113016 Studs, 112287 Dowels, 64D-08 Nuts & 106762 Washers to replace the existing Spider to Hub Bolts.

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



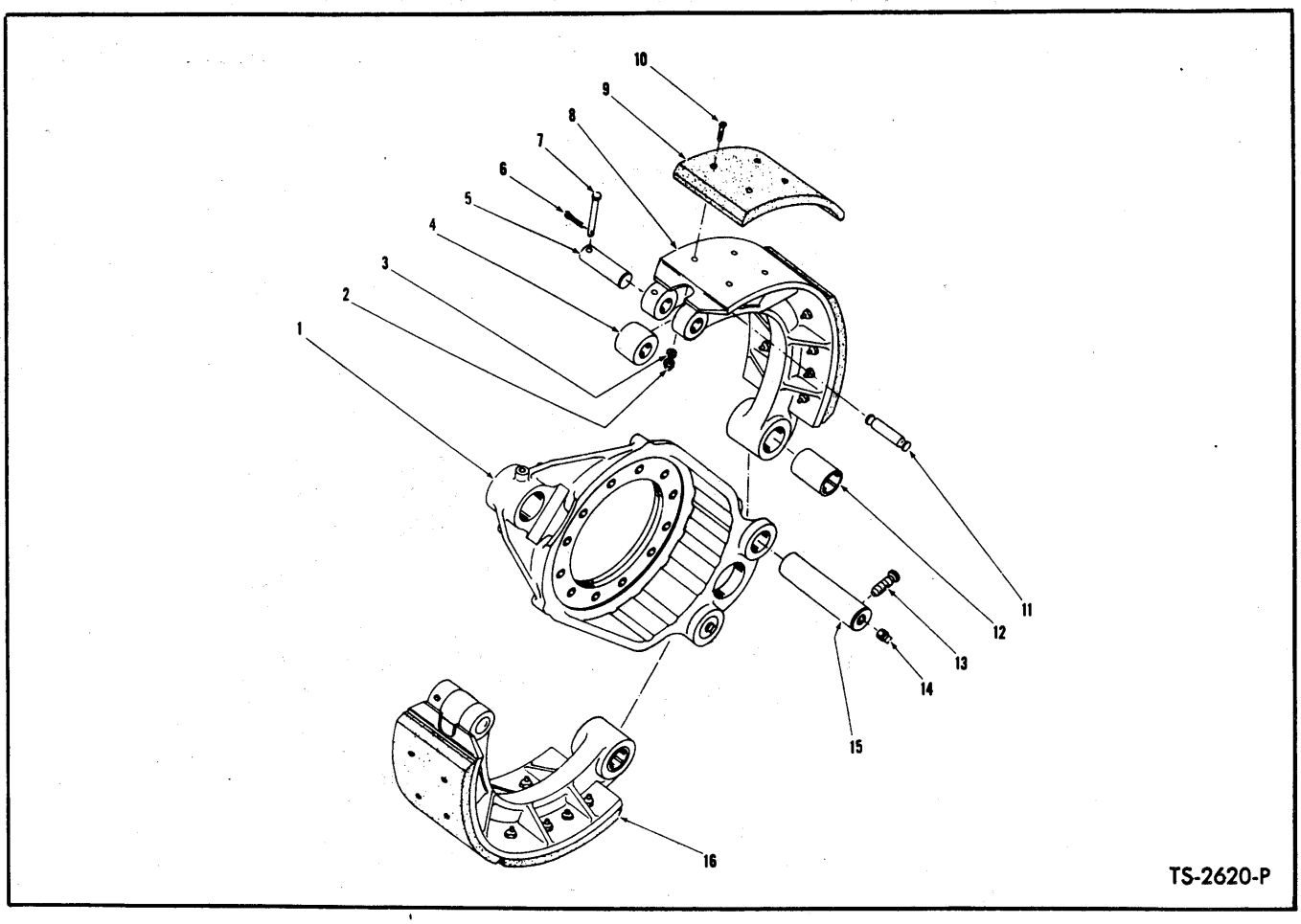
BRAKE ASSEMBLY — REAR

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126
G.M. — 2LG101 only

Item No.	Part No.	Description	No. Req'd.
1	3C-616	BOLT, Slack Adjuster	2
1A	———	LOCKWIRE, Slack Adj. Bolt (18 Ga.)	2
2	102259	WASHER, Slack Adjuster Retaining	2
3	10H-25	FITTING, Slack Adjuster Grease	2
4	103218	ADJUSTER, Slack — R.H.	1
4A	103219	†ADJUSTER, Slack — L.H.	1
4B	103990	†‡SHIM, Cam Shaft & Slack Adjuster	—
5	616836	WASHER, Slack Adjuster Thrust	2
6	101961	WASHER, Cam Shaft Thrust	2
7	107473	CAM SHAFT — R.H.	1
7A	107474	†CAM SHAFT — L.H.	1
8	107470	BRACKET, Air Chamber — R.H.	1
8A	107471	†BRACKET, Air Chamber — L.H.	1
9	1C-824	BOLT, Air Chamber Bracket	4
10	4E-08	LKWSHR, Air Chamber Bracket	4
11	110122	*AIR CHAMBER — B.W. #227637	2
12	124467	SHOE ASSY, Brake (Inc. 12A, 12B & 16)	4
12A	945611	†LINING, Brake	4
12B	3H-1216	†RIVET, Brake Lining	56
13	102898	SPRING, Brake Shoe Return	2
14	107246	STRUT, Anchor Pin	2
15	100613	"C" WASHER, Anchor Pin	4
16	107245	BUSHING, Brake Shoe	4
17	107201	PIN, Brake Anchor	4
18	4E-14	LKWSHR, Anchor Pin	4
19	2D-14	NUT, Anchor Pin	4
20	107475	HOOK, Spring	2
21	1D-04	NUT, Spring Hook	2

‡As Required
†Not Illustrated
*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service components of this part.

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



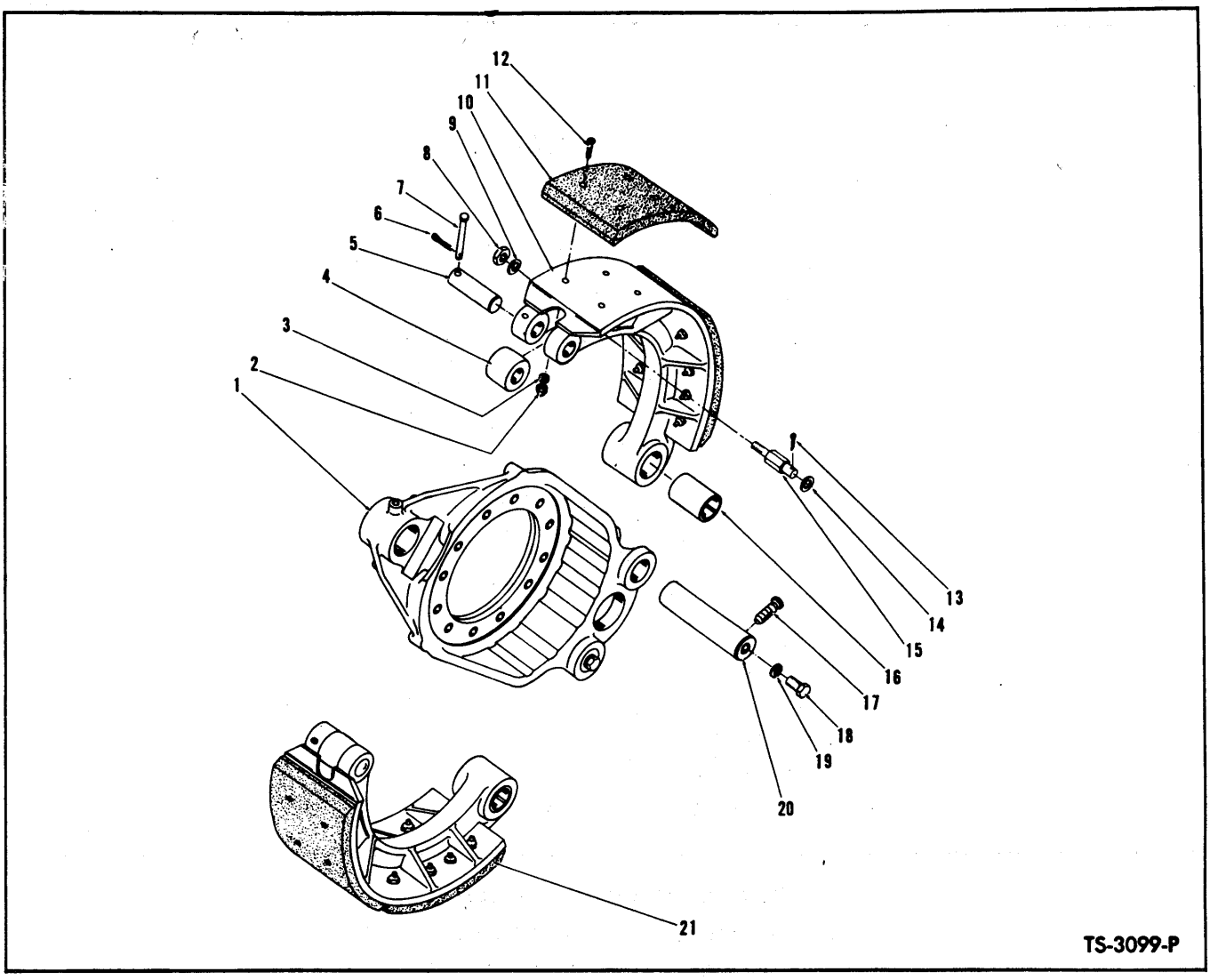
BRAKE ASSEMBLY — REAR

For Serial: CUMMINS — 2LC127 thru 2LC182
G.M. — 2LG102 thru 2LG145

Item No.	Part No.	Description	No. Req'd.
A	110949	*BRAKE ASSY (Inc. 1 thru 16)	2
Note: 2 brake assemblies used on axle — Quantities listed below are for 1 brake assembly.			
1	110950	SPIDER, Brake	1
2	2D-06	NUT, Lining to Shoe	32
3	24E-06	LKWSHR, Lining to Shoe	32
4	107707	ROLLER, Brake Cam	2
5	109598	PIN, Brake Cam Roller	2
6	1F-308	COTTER, Roller Pin Lock Pin	2
7	110855	PIN, Cam Roller Pin Lock — See Note "A"	2
8	————	§SHOE, Brake — (See 16)	2
9	111052	LINING, Brake Shoe	4
10	107706	SCREW, Lining to Shoe	32
11	110124	PIN, Spring Anchor	2
12	107709	BUSHING, Brake Shoe	2
13	109597	SET SCREW, Anchor Pin	2
14	16F-04	PLUG, Anchor Pin	2
15	109599	PIN, Brake Shoe Anchor	2
16	111049	**SHOE ASSY, Brake (Inc. 2 thru 12)	2

§Not Sold Separately
*NOTE: For replacement use 111581 Brake Assembly.
**NOTE: For replacement use 122109 Brake Shoe Assembly.
NOTE "A": For replacement use 815971 Kit, which consists of 1—123821 Roll Pin plus 1—123823 Roll Pin.

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

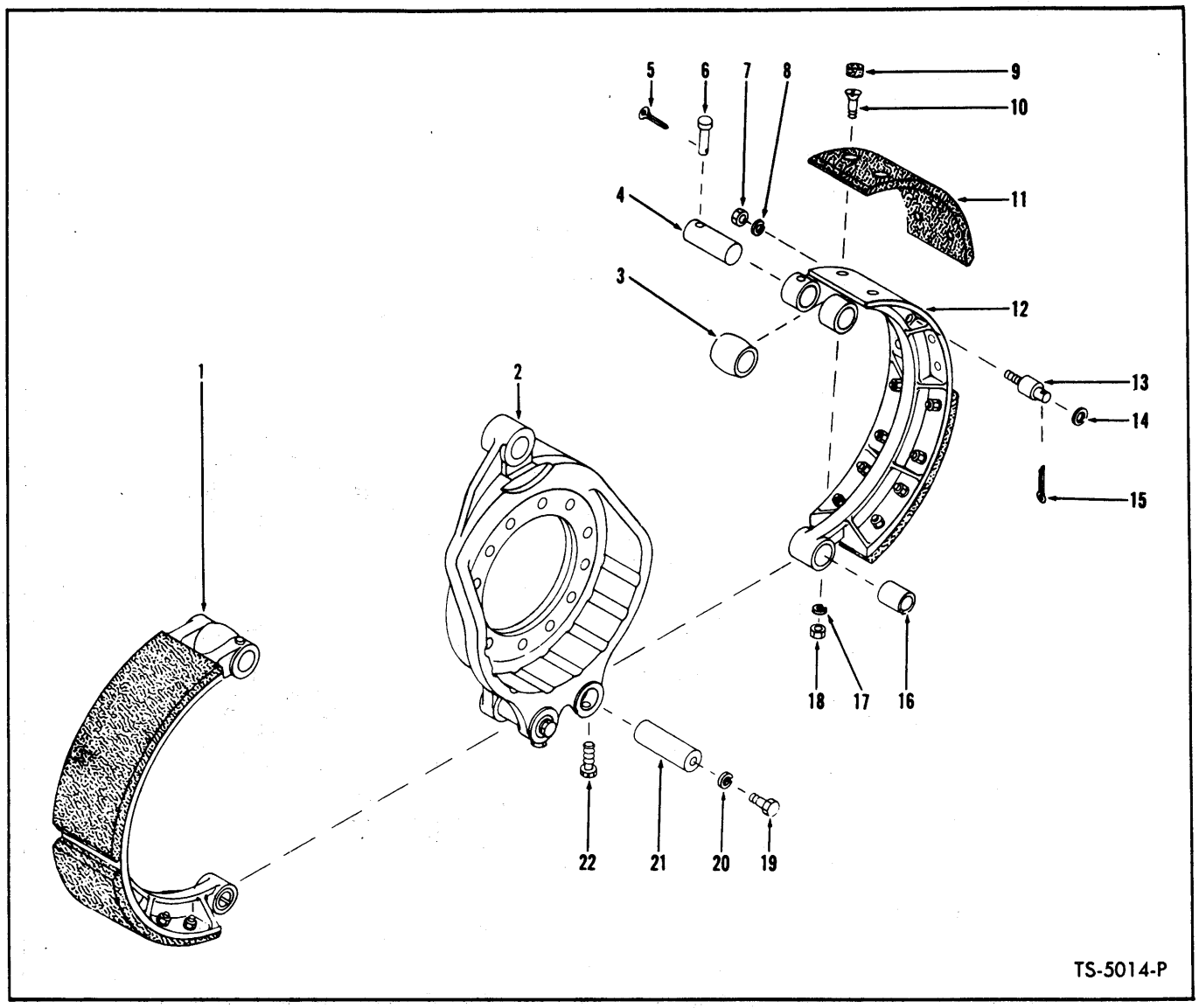


BRAKE ASSEMBLY — REAR

For Serial: CUMMINS — 2LC183 thru 2LC999
G.M. — 2LG146 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	112407	BRAKE ASSY (Inc. 1 thru 12, 15 thru 21)	2
		NOTE: Two Brake Assemblies used on Rear Axle, Quantities listed below cover one brake assembly.	
1	112408	SPIDER, Brake	1
2	2D-06	NUT, Lining to Shoe	32
3	24E-06	LKWSHR, Lining to Shoe	32
4	112210	**ROLLER, Brake Cam	2
5	112211	**PIN, Brake Cam Roller	2
6	1F-308	COTTER, Roller Pin Lock Pin	2
7	110855	PIN, Cam Roller Pin Lock–See Note "A"	2
8	2D-06	NUT, Spring Anchor Pin	2
9	4E-06	LKWSHR, Spring Anchor Pin	2
10	----	§SHOE, Brake	2
11	112411	LINING, Brake Shoe	4
12	107706	SCREW, Lining to Shoe	32
13	1F-412	COTTER, Spring Anchor Pin	2
14	25E-21	WASHER, Spring Anchor Pin	2
15	112216	PIN, Spring Anchor	2
16	112212	**BUSHING, Brake Shoe	2
17	109597	SCREW, Anchor Pin Set	2
18	1C-812	BOLT, Anchor Pin Puller Hole	2
19	4E-08	LKWSHR, Puller Hole Bolt	2
20	112213	PIN, Brake Shoe Anchor	2
21	112207	*SHOE ASSY, Brake (Inc. 2 thru 7, 10, 11, 12, 16)	2

§Not Sold Separately NOTE "A": For replacement use 815971 Kit, which consists of 1—123821 Roll Pin plus 1—123823 Roll Pin.
*NOTE: For replacement use 116885 Brake Shoe Assembly.
**NOTE: For replacement use 840581 Kit, which consists of 2—126246 Roller, 4—25K-40028 "O" Ring, 2—126247 Pin, 4—126248 Bushing, 2—123821 Pin, and 2—123823 Pin.



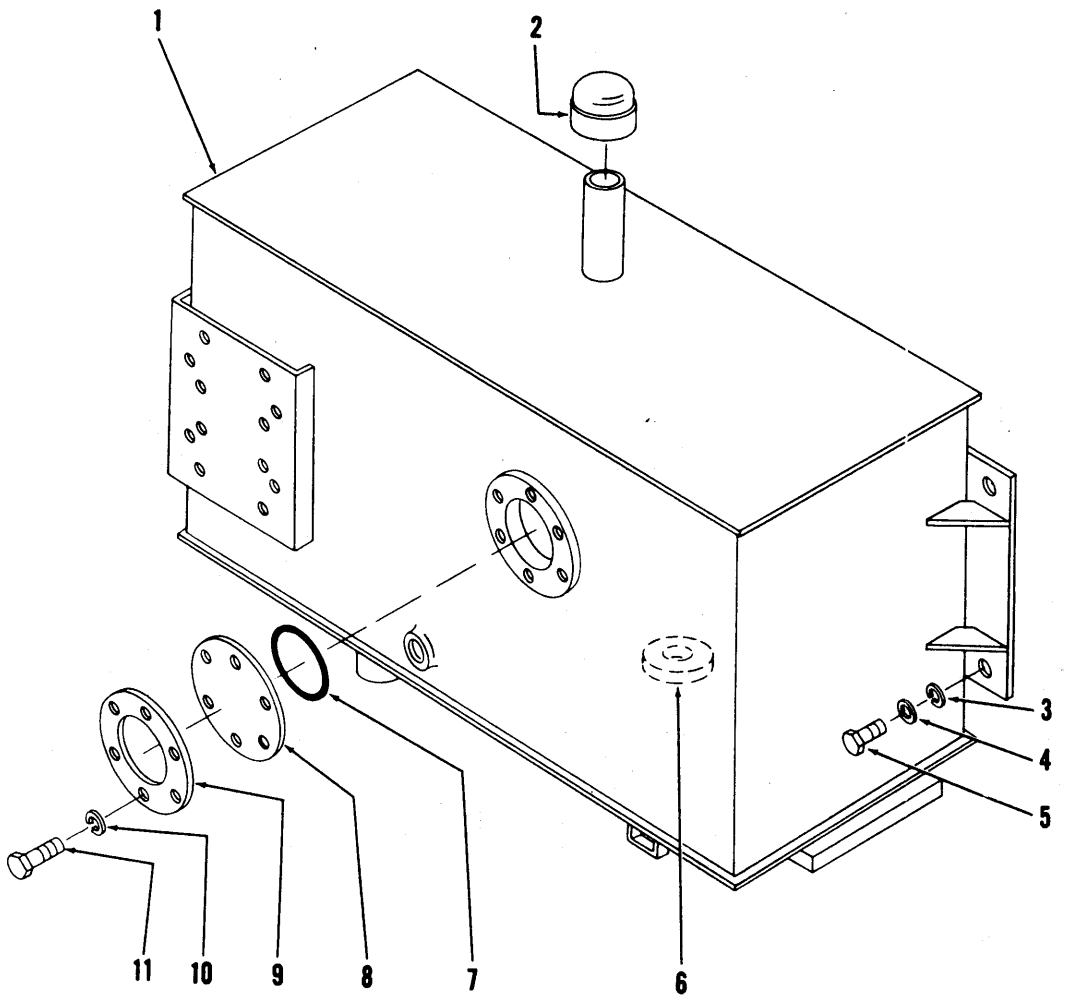
BRAKE ASSEMBLY — FRONT AND REAR

Item No.	Part No.	Description	No. Req'd.
A	116884	BRAKE ASSY (Inc. 1 thru 13, 16 thru 22)	4
		NOTE: Four Brakes are used on machine — Quantities listed below are for 1 Brake	
1	116885	SHOE ASSY, Brake (Inc. 3 thru 6, 9 thru 12, 16 thru 18)	2
2	112410	SPIDER, Brake	1
3	112210	*ROLLER, Brake Cam	2
4	112211	*PIN, Brake Cam Roller	2
5	1F-308	COTTER, Roller Pin Lock	2
6	110855	**PIN, Cam Roller Pin Lock	2
7	2D-06	NUT, Spring Anchor Pin	2
8	4E-06	LKWSHR, Spring Anchor Pin	2
9	113249	PLUG, Brake Lining	32
10	107706	BOLT, Lining to Shoe	32
11		*LINING, Brake Shoe*	
11A	116887	STANDARD	4
11B	116888	OVERSIZE (⅛")	4
12	-----	§SHOE, Brake — See 1	2
13	112216	PIN, Spring Anchor	2
14	25E-21	WASHER, Spring Anchor Pin	2
15	1F-412	COTTER, Spring Anchor Pin	2
16	112212	*BUSHING, Brake Shoe	2
17	24E-06	LKWSHR, Lining to Shoe	32
18	2D-06	NUT, Lining to Shoe	32
19	1C-812	BOLT, Puller Hole Plug	2
20	4E-08	LKWSHR, Puller Hole Plug	2
21	112213	PIN, Anchor	2
22	109597	SCREW, Anchor Pin Set	2

§Not Sold Separately

*NOTE: For replacement use 840581 Kit, which consists of 2—126246 Roller, 4—25K-40028 O-Ring, 2—126247 Pin, 4—126247 Pin, 4—126248 Bushing, 2—123821 Pin, & 2—123823 Pin.

**NOTE: For replacement use 815971 Kit, which consists of 1—123821 Roll Pin plus 1—123823 Roll Pin.



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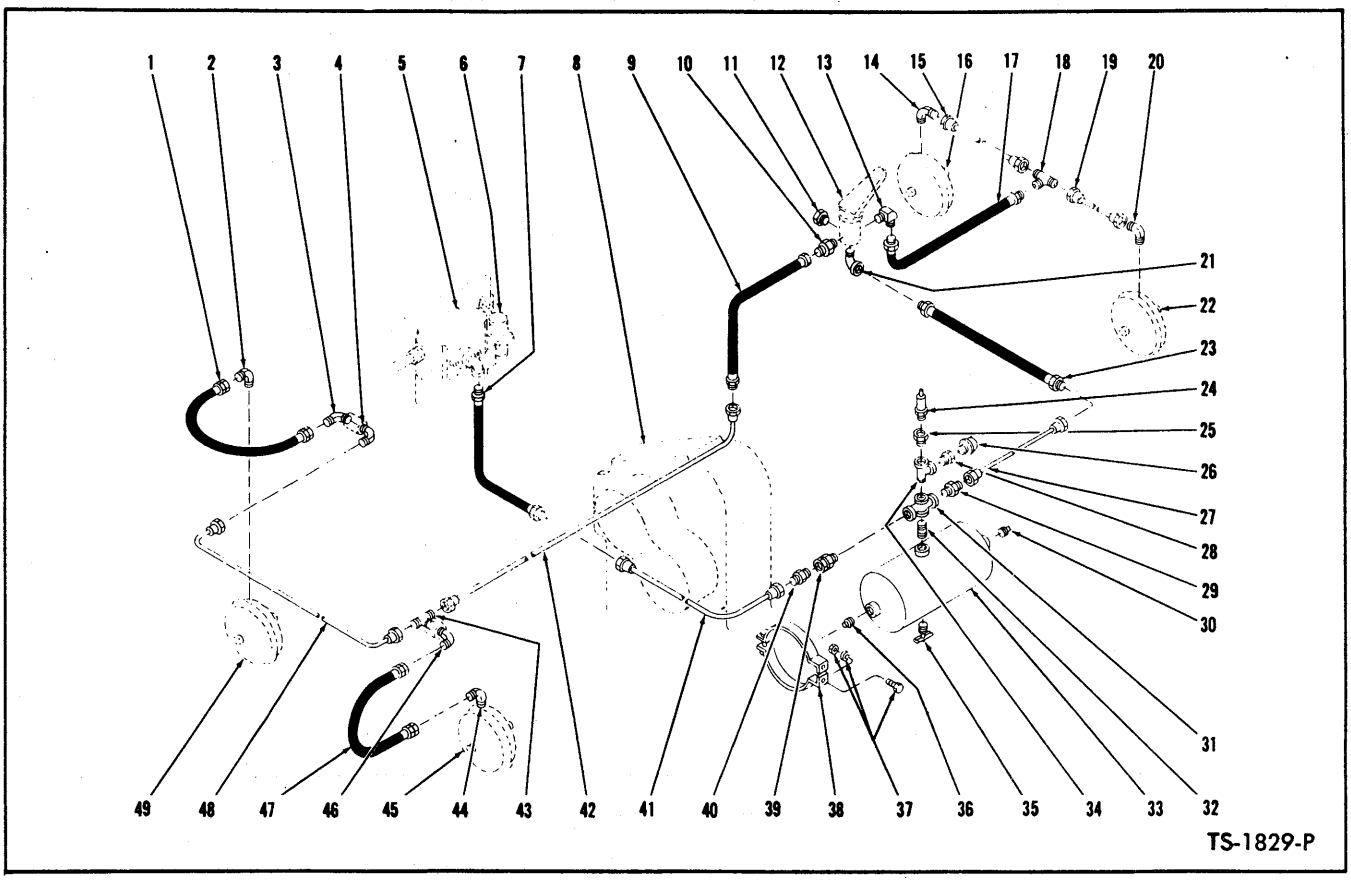
HYDRAULIC OIL RESERVOIR

Item No.	Part No.	Description	No. Req'd.
1	535101	*RESERVOIR, Hydraulic Oil	1
2	604639	CAP, Reservoir Breather	1
3	4E-08	LKWSHR, Reservoir to Frame	3
4	25E-21	WASHER, Reservoir to Frame	3
5	2C-816	BOLT, Reservoir to Frame	3
6	525293	MAGNET, Reservoir	1
7	25K-40428	"O" RING, Inspection Cover	1
8	550389	COVER, Reservoir Inspection	1
9	550398	RING, Inspection Cover Clamp	1
10	4E-06	LKWSHR, Inspection Cover	6
11	2C-616	BOLT, Inspection Cover	6

*NOTE: When 535101 Reservoir is installed on machine serial: Cummins—2892 thru 2942, 2LC52 thru 2LC117, the following parts are required:

2 — 509711	HOSE	4 — 521875	CLAMP, Hose
1 — 536493	TUBE (Cummins)	1 — 666846	NIPPLE
1 — 540779	TUBE (G.M.)		

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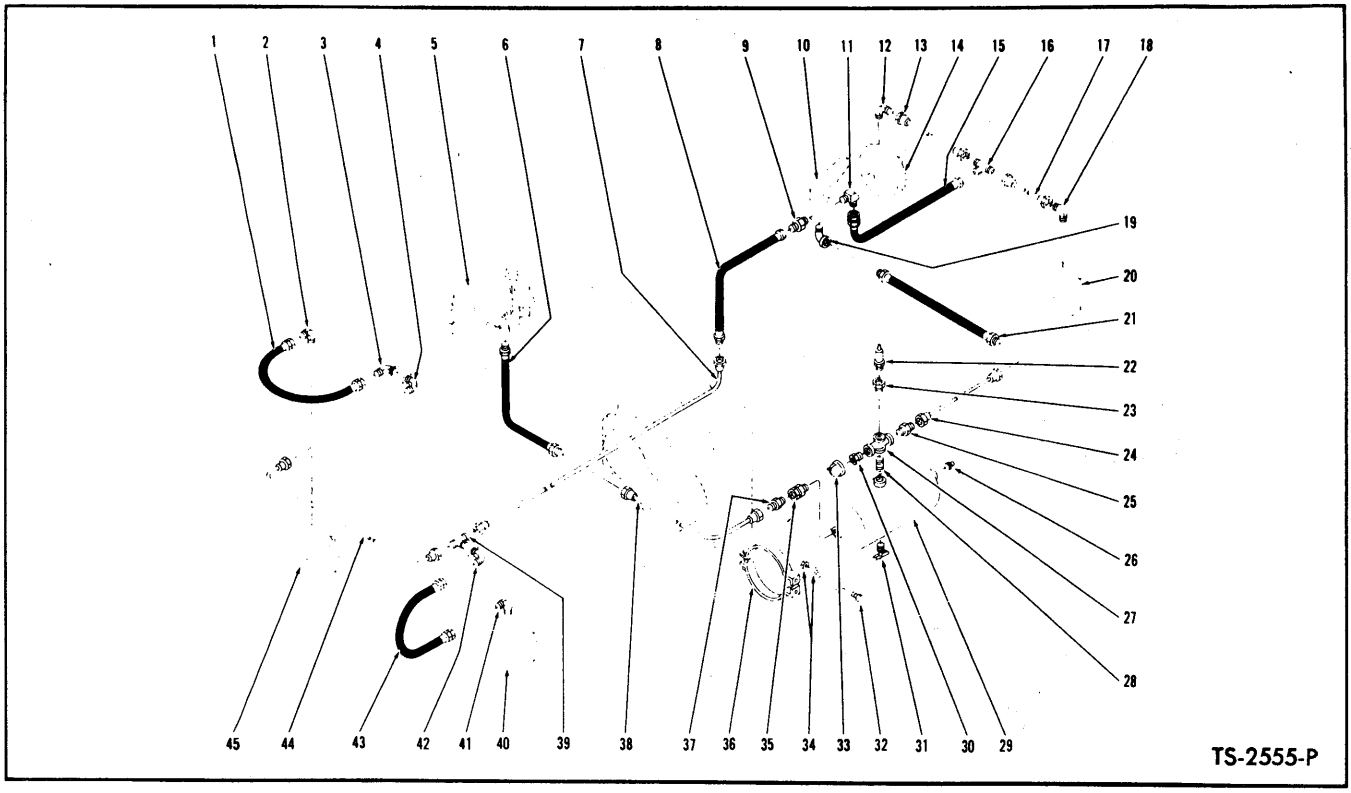
BRAKE AIR LINES

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC111

Item No.	Part No.	Description	No. Req'd.
1	524561	HOSE, Frame to Air Chamber	1
2	42F-6	ELBOW, Hose to Air Chamber	1
3	42F-6	ELBOW, Hose to Frame	1
4	42F-6	ELBOW, Line to Frame	1
5	———	COMPRESSOR & CONNECTIONS—See Index	—
6	———	GOVERNOR—See Compressors	—
7	524497	HOSE, Compr. Tee to Reservoir Line	1
8	———	TRANSMISSION—See Index	—
9	513906	HOSE, Foot Valve to Rear Axle Line	1
10	940635	CONNECTOR, Line to Foot Valve	1
11	13F-08	PLUG, Air Brake Rod	2
12	———	BRAKE CONTROLS—See Index	—
13	513912	ELBOW, Hose to Foot Valve	1
14	42F-6	ELBOW, Line to Air Chamber	1
15	513916	LINE, Tee to L.H. Air Chamber	1
16	———	AIR CHAMBER—See Index	—
17	514341	HOSE, Foot Valve to Front Axle Tee	1
18	44F-5	TEE, Front Axle Lines	1
19	513915	LINE, Tee to R.H. Air Chamber	1
20	42F-6	ELBOW, Line to Air Chamber	1
21	26F-4	ELBOW, Hose to Foot Valve	1
22	———	AIR CHAMBER — See Index	—
23	516316	HOSE, Line to Foot Valve	1
24	507815	*VALVE, Safety—B.W. #205105	1
25	356615	BUSHING, Tee Reducing	1
26	940643	**SENDER UNIT, Air Pressure	1
27	526071	LINE, Reservoir to Foot Valve	1
28	356616	BUSHING, Tee Reducing	1
29	38F-10	CONNECTOR, Line to Tee	1
30	16F-08	PLUG, Reservoir	1
31	21F-4	CROSS, Reservoir	1
32	5K-409	NIPPLE, Cross to Reservoir	1
33	513842	*RESERVOIR, Air—B.W. #227901	1
34	17F-4	TEE, Reservoir	1
35	72F-4	DRAIN COCK, Reservoir	1
36	16F-08	PLUG, Reservoir	1
37	2C-620	BOLT, Reservoir to Frame	4
37A	2D-06	NUT, Reservoir to Frame	4
37B	4E-06	LKWSHR, Reservoir to Frame	4
38	941813	*BRACKET, Reservoir—B.W. #221399	2
39	593370	*VALVE, Check—B.W. #228194	1
40	38F-10	CONNECTOR, Line to Check Valve	1
41	524495	LINE, Compressor to Reservoir	1
42	524626	LINE, Foot Valve to Rear Axle Tee	1
43	45F-6	TEE, Rear Axle Lines	1
44	42F-6	ELBOW, Hose to Air Chamber	1
45	———	AIR CHAMBER — See Index	—
46	42F-6	ELBOW, Hose to Frame	1
47	524561	HOSE, Frame to Air Chamber	1
48	522247	LINE, Rear Axle	1
49	———	AIR CHAMBER — See Index	—

*NOTE: Your local authorized Bendix-Westinghouse Service Station is equipped to service components of these parts.
**NOTE: For replacement refer to Service Gram S.G.-326B.

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



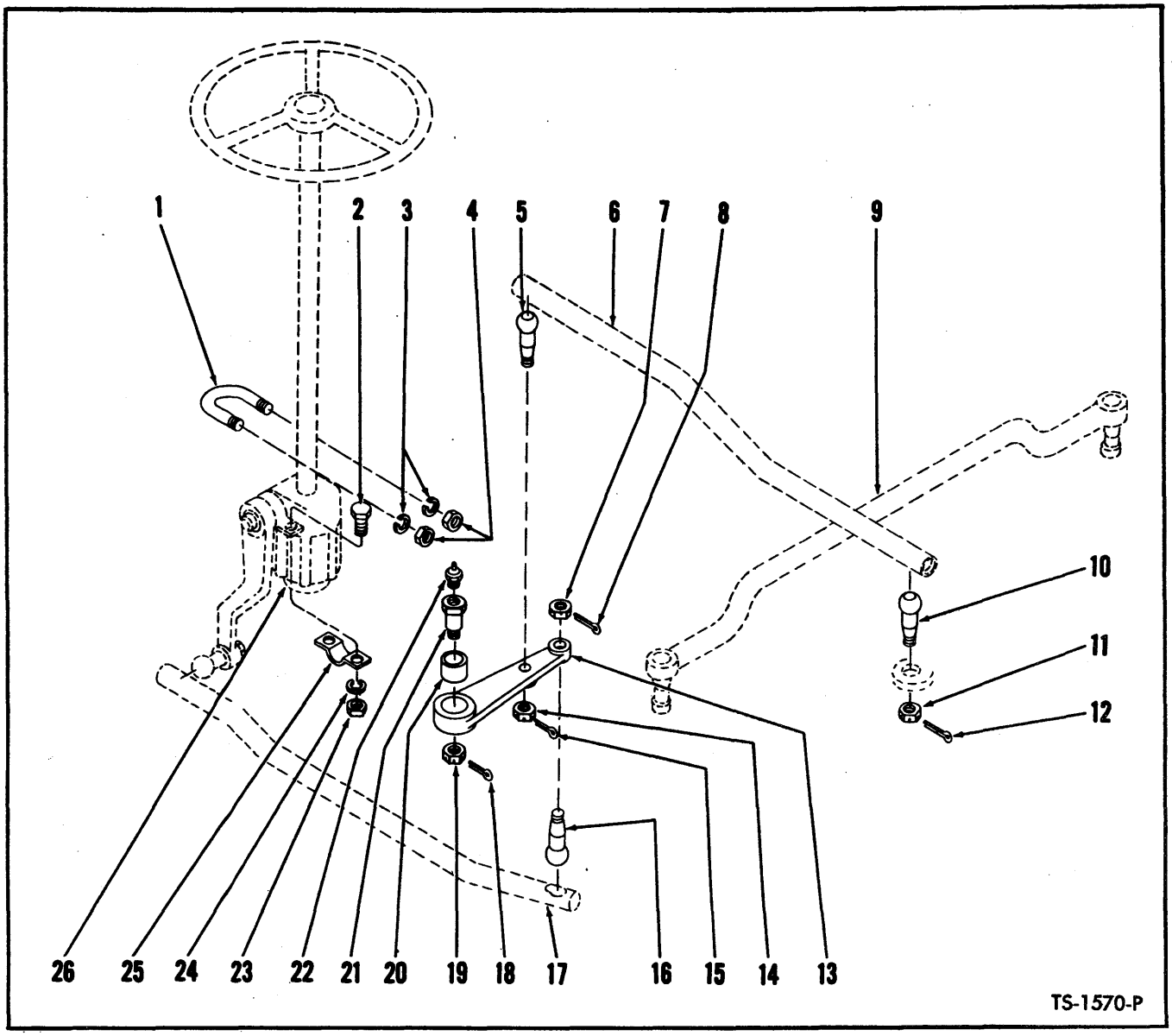
BRAKE AIR LINES

For Serial: CUMMINS — 2LC112 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	524561	HOSE, Frame to Air Chamber	1
2	42F-6	ELBOW, Hose to Air Chamber	1
3	42F-6	ELBOW, Hose to Frame	1
4	42F-6	ELBOW, Line to Frame	1
5	———	COMPRESSOR & CONNECTIONS— See Index	—
6		*HOSE, Compressor to Reservoir Line*	
6A	524497	For Cummins Powered Machines	1
6B	540873	For G.M. Powered Machines	1
7	524626	LINE, Foot Valve to Rear Axle Tee	1
8	513906	HOSE, Foot Valve to Rear Axle Line	1
9	940635	CONNECTOR, Hose to Foot Valve	1
10	———	BRAKE CONTROLS — See Index	—
11	513912	ELBOW, Hose to Foot Valve	1
12	42F-6	ELBOW, Line to Air Chamber	1
13	513916	LINE, Tee to L.H. Air Chamber	1
14	———	AIR CHAMBER — See Index	—
15	514341	HOSE, Foot Valve to Front Axle Tee	1
16	44F-5	TEE, Front Axle Lines	1
17	513915	LINE, Tee to R.H. Air Chamber	1
18	42F-6	ELBOW, Line to Air Chamber	1
19	26F-4	ELBOW, Hose to Foot Valve	1
20	———	AIR CHAMBER — See Index	—
21	516316	HOSE, Line to Foot Valve	1
22	507815	*VALVE, Safety — B.W. #205105	1
23	356615	BUSHING, Tee Reducing	1
24	526071	LINE, Reservoir to Foot Valve	1
25	38F-10	CONNECTOR, Line to Reservoir Tee	1
26	16F-08	PLUG, Reservoir	1
27	21F-4	CROSS, Reservoir	1
28	5K-409	NIPPLE, Tee to Reservoir	1
29	513842	*RESERVOIR, Air — B.W. #227901	1
30	356616	BUSHING, Cross Reducing	1
31	72F-4	DRAIN COCK, Reservoir	1
32	2C-620	BOLT, Bracket to Frame	4
33	940643	**SENDER UNIT, Air Pressure	1
34	2D-06	NUT, Bracket to Frame	4
34A	4E-06	LKWSHR, Bracket to Frame	4
35	593370	*VALVE, Check — B.W. #228194	1
36	941813	*BRACKET, Reservoir — B.W. #221399	2
37	38F-10	CONNECTOR, Line to Check Valve	1
38		*LINE, Compressor to Reservoir*	
38A	533397	For Cummins Powered Machines	1
38B	540796	For G.M. Powered Machines	1
39	45F-6	TEE, Rear Axle Lines	1
40	———	AIR CHAMBER — See Index	—
41	42F-6	ELBOW, Hose to Air Chamber	1
42	42F-6	ELBOW, Hose to Frame	1
43	524561	HOSE, Frame to Air Chamber	1
44	522247	LINE, Rear Axle	1
45	———	AIR CHAMBER — See Index	—

†Not Illustrated
*NOTE: Your local authorized Bendix Westinghouse Service Station is equipped to service components of these parts.
**NOTE: For replacement refer to Service Gram S.G.-326B.

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

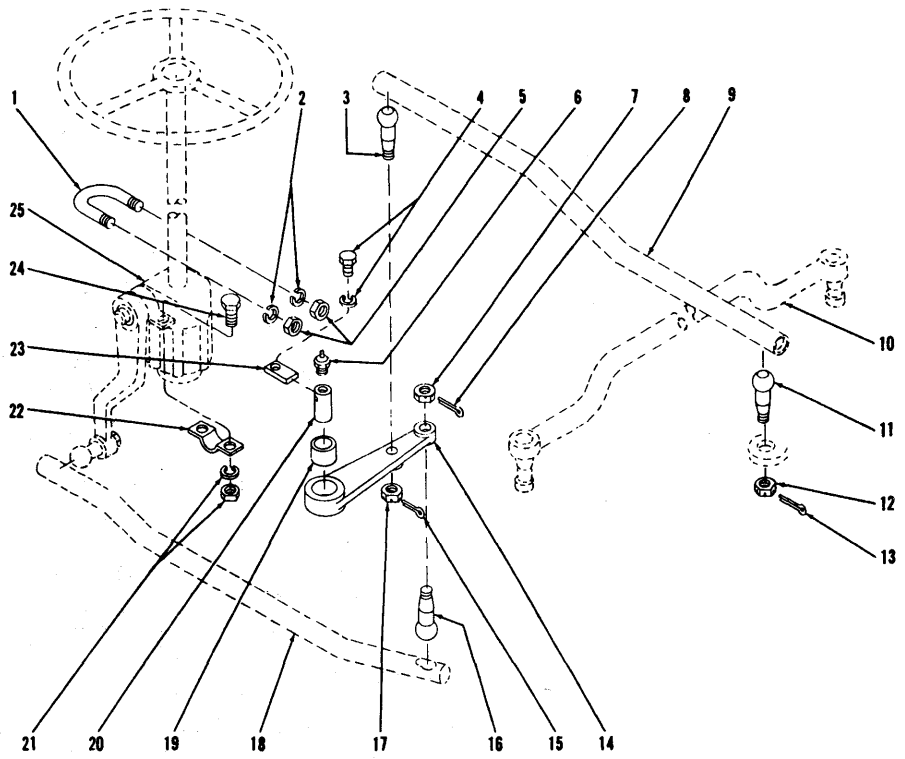


STEERING LINKAGE GROUP

For Serial: CUMMINS— 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.
1	545941	U-BOLT, Steering Gear to Frame	1
2	2C-832	BOLT, Steering Gear Clamp	2
3	4E-08	LKWSHR, U-Bolt	2
4	2D-08	NUT, U-Bolt	2
5	513122	BALL STUD, Drag Link to Bell Crank	1
6	———	DRAG LINK — Rear — See Index	—
7	4D-10	NUT, Ball Stud	1
8	1F-432	COTTER, Ball Stud	1
9	———	TIE ROD — Rear Axle — See Index	—
10	513122	BALL STUD, Drag Link to Axle	1
11	4D-10	NUT, Ball Stud	1
12	1F-432	COTTER, Ball Stud	1
13	521833	BELL CRANK, Drag Links (Inc. 20)	1
14	4D-10	NUT, Ball Stud	1
15	1F-432	COTTER, Ball Stud	1
16	513122	BALL STUD, Drag Link to Bell Crank	1
17	———	DRAG LINK — Front — See Index	—
18	1F-424	COTTER, Bell Crank Pin	1
19	617863	NUT, Bell Crank Pin	1
20	550601	BUSHING, Bell Crank	1
21	550602	PIN, Bell Crank to Frame	1
22	10H-25	FITTING, Bell Crank Pin Grease	1
23	2D-08	NUT, Steering Gear Clamp	2
24	4E-08	LKWSHR, Steering Gear Clamp	2
25	550044	CLAMP, Steering Gear	1
26	———	STEERING GEAR — See Index	—

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



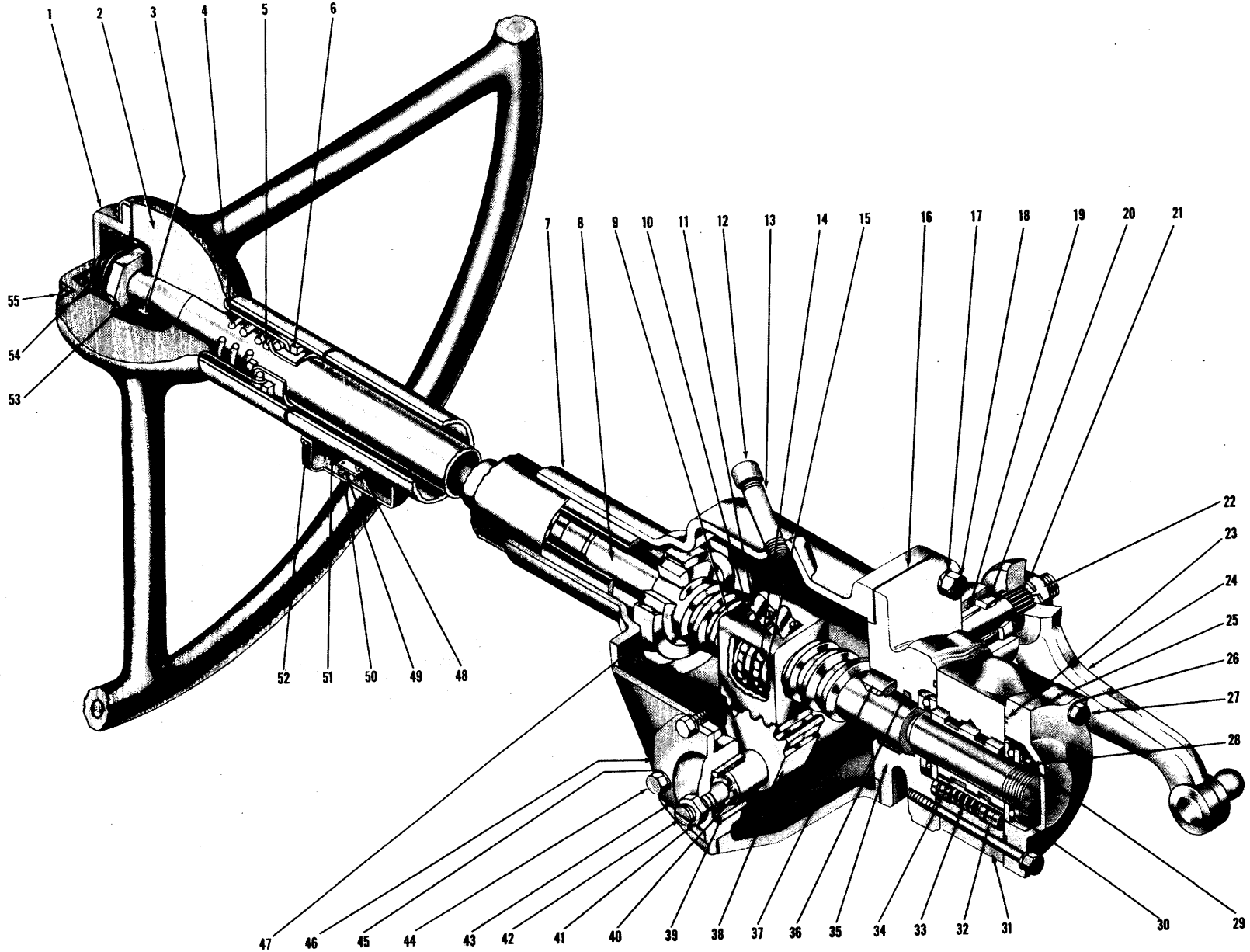
TS-1997-P

STEERING LINKAGE GROUP

For Serial: CUMMINS — 2LC62 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	545941	U-BOLT, Steering Gear to Frame	1
2	4E-08	LKWSHR, U-Bolt	2
3	513122	BALL STUD	1
4	2C-816	BOLT, Plate Attaching	1
4A	4E-08	LKWSHR, Plate Attaching	1
5	2D-08	NUT, U-Bolt	2
6	10H-25	FITTING, Pivot Pin Grease	1
7	4D-10	NUT, Ball Stud	1
8	1F-432	COTTER, Ball Stud	1
9	———	DRAG LINK, Rear — See Index	—
10	———	TIE ROD, Rear Axle — See Index	—
11	513122	BALL STUD	1
12	4D-10	NUT, Ball Stud	1
13	1F-432	COTTER, Ball Stud	1
14	521833	BELL CRANK ASSY (Inc. 19)	1
15	1F-432	COTTER, Ball Stud	1
16	513122	BALL STUD	1
17	4D-10	NUT, Ball Stud	1
18	———	DRAG LINK, Front — See Index	—
19	550601	BUSHING, Bell Crank	1
20	528247	PIN, Bell Crank Pivot	1
21	4E-08	LKWSHR, Steering Gear Clamp	2
21A	2D-08	NUT, Steering Gear Clamp	2
22	550044	CLAMP, Steering Gear	1
23	528248	PLATE, Pivot Pin Lock	1
24	2C-832	BOLT, Steering Gear Clamp	2
25	———	STEERING GEAR — See Index	—

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



STEERING GEAR ASSEMBLY

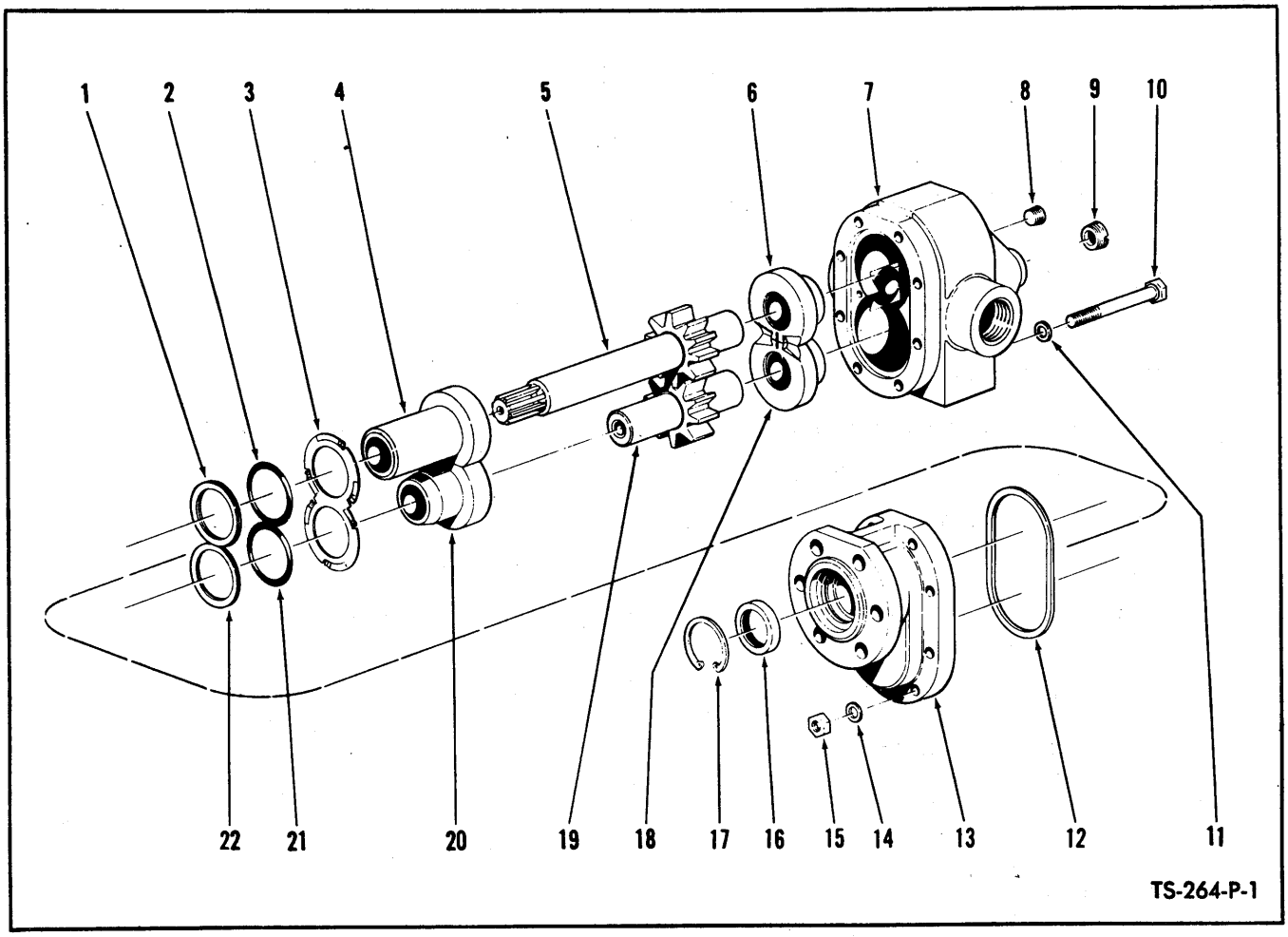
TS-2955-P

STEERING GEAR ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	521837	STEERING GEAR ASSY (Inc. 1, 3 thru 23, 25 thru 54)	1
1	639796	HORN BUTTON ASSY	1
2	1508704	WHEEL, Steering	1
3	853384	KEY, Steering Wheel	1
4	853395	SPRING, Steering Shaft Upper	1
5	861768	WASHER, Steering Shaft Upper	1
6	857729	BEARING ASSY, Upper	1
7	944118	HOUSING ASSY (Inc. 19, 47)	1
8	944119	SHAFT ASSY (Inc. 9, 10, 11, 14, 15, 51 and 54)	1
9	853408	NUT, Ball	1
10	851762	BOLT AND WASHER, Clamp	3
11	853464	CLAMP, Ball Return	1
12	22F-4	CAP, Filler	1
13	5K-432	NIPPLE, Filler	1
14	10J-09	BALL	106
15	853412	GUIDE, Ball Return	4
16	853380	GASKET, Adapter	1
17	3E-07	LKWSHR, Adapter	4
18	1C-720	BOLT, Adapter	4
19	853357	BUSHING, Pitman Shaft	1
20	853391	SEAL, Pitman Shaft Grease	1
21	4E-18	LKWSHR, Pitman Arm	1
22	850756	NUT, Pitman Arm	1
23	58K-232	"O" RING, Valve	2
24	940125	ARM, Pitman	1
25	943667	COVER, Valve End	1
26	2E-06	LKWSHR, End Cover	3
27	1C-656	BOLT, End Cover	3
28	873250	NUT, Worm Bearing	1
29	943429	SPRING, Worm Bearing	1
30	860997	BEARING, Worm Thrust	2
31	944052	VALVE ASSY, Hydraulic (Inc. 32 thru 34)	1
32	861755	PLUNGER, Valve Centering	6
33	944053	SPRING, Valve Centering	3
34	———	§SPOOL, Valve (See 31)	1
35	861738	ADAPTER ASSY (Inc. 36, 37)	1
36	25K-40108	"O" RING, Adapter	1
37	861741	BEARING, Adapter	1
38	940111	GEAR, Pitman Shaft	1
39	———	§BUSHING, Housing Side Cover (See Item 43)	1
40	853187	SHIM KIT, Lash Adjuster	1
41	8D-07	NUT, Lash Adjuster	1
42	851770	ADJUSTER, Lash	1
43	853182	COVER ASSY, Housing Side (Inc. 39)	1
44	1C-612	BOLT, Side Cover	3
45	2E-06	LKWSHR, Side Cover	3
46	851756	GASKET, Side Cover	1
47	730143	BEARING, Housing	1
48	622026	CONNECTOR ASSY, Horn Cable	1
48A	518346	†GASKET, Horn Connector	1
49	622027	SCREW, Horn Connector	2
50	622028	COVER, Horn Cable Connector	1
51	940115	CONTACT ASSY, Horn Cable	1
52	3G-1003	SCREW, Connector Cover	2
52A	17E-10	†LKWSHR, Connector Cover	2
53	648304	NUT, Steering Wheel	1
54	853368	TERMINAL ASSY, Horn	1
55	695930	SCREW, Horn Button	4

§Not Sold Separately
†Not Illustrated

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



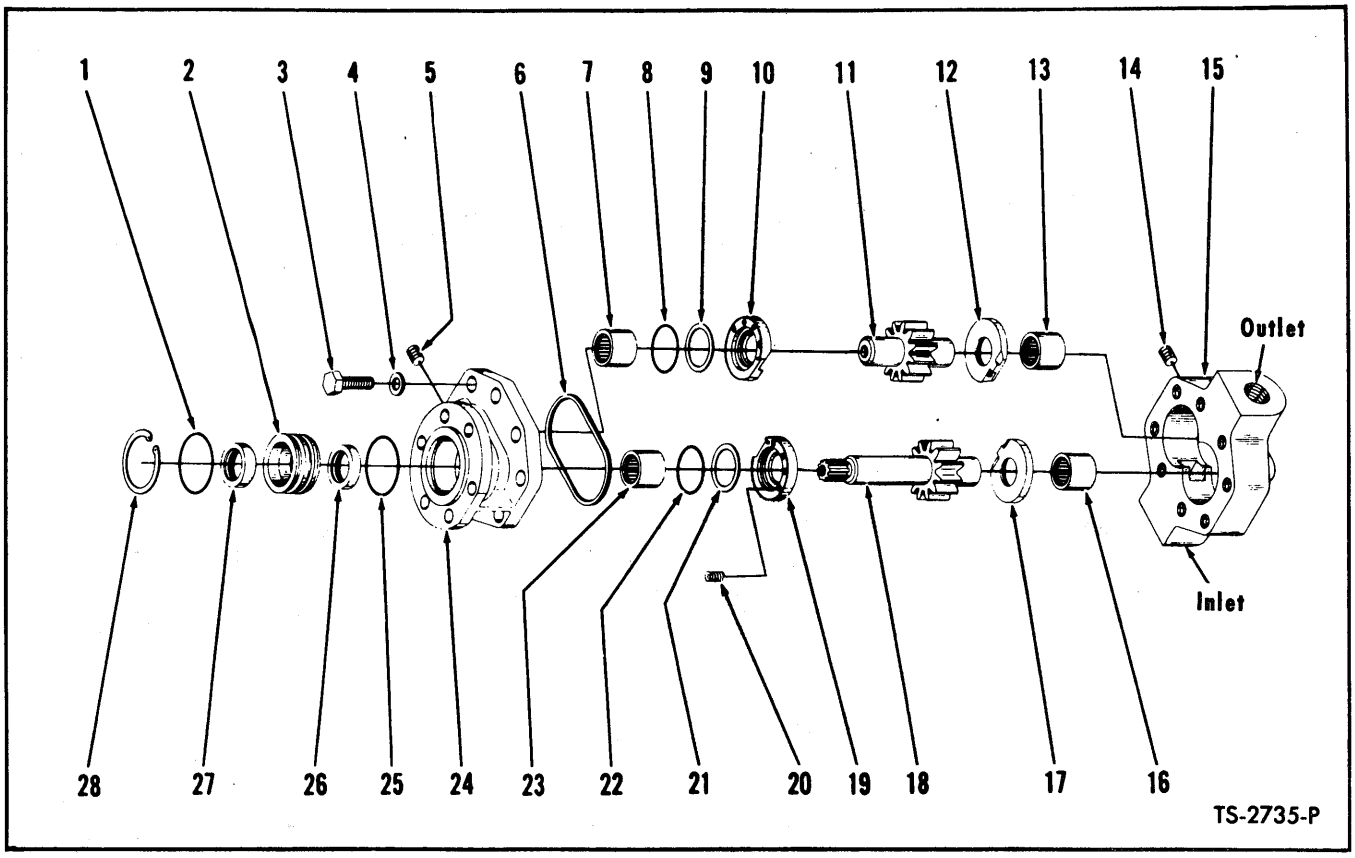
HYDRAULIC PUMP — STEERING

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.
A	220988	*PUMP ASSY (Inc. 1 thru 22)	1
B	942403	REPAIR KIT, Minor (Inc. 1, 2, 12, 16, 17, 21, 22)	1
C	942433	GEAR SET, Drive & Driven (Inc. 5, 19)	1
1	———	§WASHER, Back-Up	1
2	———	§SEAL RING, Bearing	1
3	———	§SPRING, Bearing	1
4	———	§BEARING, Cover — Drive	1
5	———	§GEAR, Drive	1
6	———	§BEARING, Body Drive	1
7	———	§BODY	1
8	16F-02	PLUG, Seal Chamber	1
9	———	§PLUG, Seal Relief	1
10	———	§BOLT, Hex Head	8
11	———	§WASHER, Plain	8
12	———	§GASKET, Cover	1
13	———	§COVER	1
14	———	§WASHER, Plain	8
15	———	§NUT, Hex	8
16	———	§SEAL, Shaft	1
17	———	§RING, Seal Retainer	1
18	———	§BEARING, Body Driven	1
19	———	§GEAR, Driven	1
20	———	§BEARING, Cover Driven	1
21	———	§SEAL RING, Bearing	1
22	———	§WASHER, Back-Up	1
23	235961	†GASKET, Pump to Converter	1
24	2D-06	†NUT	6
25	4E-06	†LKWSHR	6

*NOTE: When complete Pump is replaced use 450063. Refer toparts listing on page 79 for replacement parts for 450063 Pump.
†Not Illustrated
§Not Sold Separately — Order Kits.

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



HYDRAULIC PUMP — STEERING

For Serial: CUMMINS — 2LC62 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	450063	PUMP ASSY (Inc. 1 thru 28)	1
B	498128	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25)	1
D	498026	GEAR SET, Drive & Driven (Inc. 11, 18)	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28)	1
1	———	§"O" RING, Retainer	1
2	———	§RETAINER, Shaft Seal	1
3	———	§BOLT, Cover to Body	8
4	———	§WASHER, Cover to Body	8
5	———	§PLUG, Cover	1
6	———	§GASKET, Cover	1
7	———	**§BEARING, Cover — Driven	1
8	———	§"O" RING, Cover Thrust Plate	1
9	———	§WASHER, "O" Ring Back-Up	1
10	———	§THRUST PLATE, Cover	1
11	———	§GEAR, Driven	1
12	———	§THRUST PLATE, Body	1
13	———	**§BEARING, Body	1
14	———	§PLUG, Body	1
15	———	**§BODY	1
16	———	**§BEARING, Body	1
17	———	§THRUST PLATE, Body	1
18	———	§GEAR, Drive	1
19	———	§THRUST PLATE, Cover	1
20	———	§SPRING, Cover Thrust Plate	6
21	———	§WASHER, "O" Ring Back-Up	1
22	———	§"O" RING, Cover Thrust Plate	1
23	———	**§BEARING, Cover	1
24	———	**§COVER	1
25	———	§"O" RING, Retainer	1
26	———	§SEAL, Inner Oil	1
27	———	§SEAL, Outer Oil	1
28	———	§RING, Seal Retaining	1
29	221991	†SLEEVE, Pump Drive	1
30	235961	†GASKET, Pump to Converter	1
31	66D-06	†NUT, Pump to Converter	6

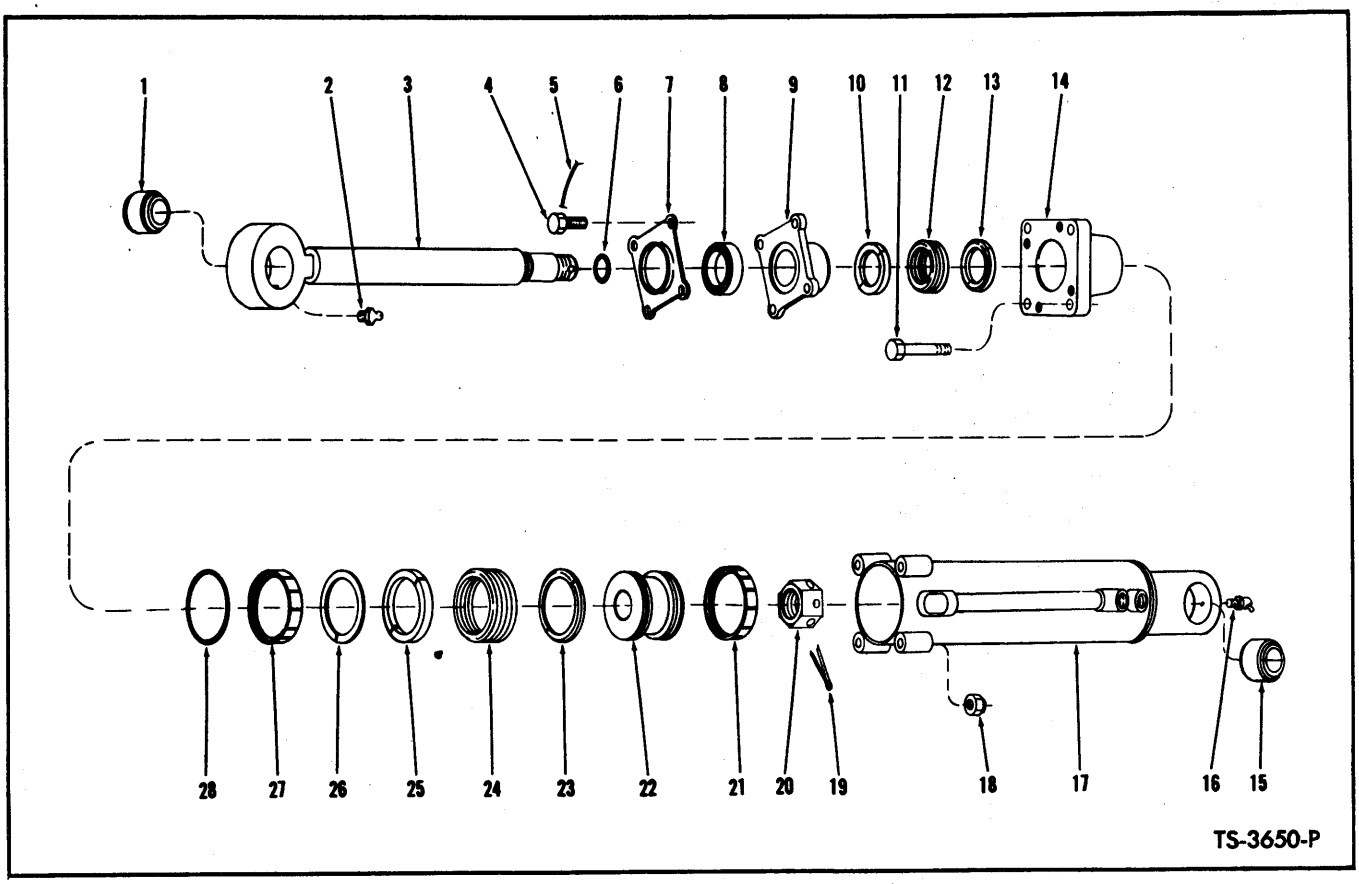
†Not Illustrated

§Not Sold Separately

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

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

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



STEERING CYLINDER ASSEMBLY

2 Cylinders Used on Machine — Quantities Listed Below are for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.
A	533645	CYLINDER ASSY (Inc. 1 thru 28)	1
B	2516074	KIT (Inc. 6, 8, 10, 12, 13, 19, 21, 23 thru 28) See Note "A"	1
1	713418	BUSHING, Piston Rod	1
2	10H-25	FITTING, Piston Rod Grease	1
3	544359	ROD, Piston	1
4	4C-620	BOLT, Wiper Retainer	4
5	28H-16120	LOCKWIRE, Wiper Retainer Bolt	1
6	———	§"O" RING, Piston Rod — See B	1
7	512797	RETAINER, Piston Rod Wiper	1
8	941568	WIPER, Piston Rod Seal	1
9	526451	GLAND, Packing	1
10	———	§ADAPTER, Female — See 12	2
11	18C-752	BOLT, Cylinder Cap	4
12	2501106	PACKING SET (Inc. 10, 13)	1
13	———	§ADAPTER, Male — See 12	2
14	945112	*CAP, Cylinder	1
15	713418	BUSHING, Cylinder	1
16	11H-15	FITTING, Cylinder Grease	1
17	534265	CYLINDER	1
18	18D-07	NUT, Cylinder Cap	4
19	1F-540	COTTER, Piston Rod Nut	1
20	517298	NUT, Piston Rod	1
21	———	§RING, Piston Wear — See B	1
22	512789	**PISTON	1
23	———	§ADAPTER, Male — See 24	2
24	———	§PACKING SET, Piston — See B (Inc. 23, 25)	1
25	———	§ADAPTER, Female — See 24	2
26	———	§‡SHIM — See B	—
27	———	§RING, Piston Wear — See B	1
28	———	§"O" RING, Cylinder Cap — See B	1
29	517355	†BOLT, Cylinder Anchor	2
30	66D-22	†NUT, Cylinder Anchor	2

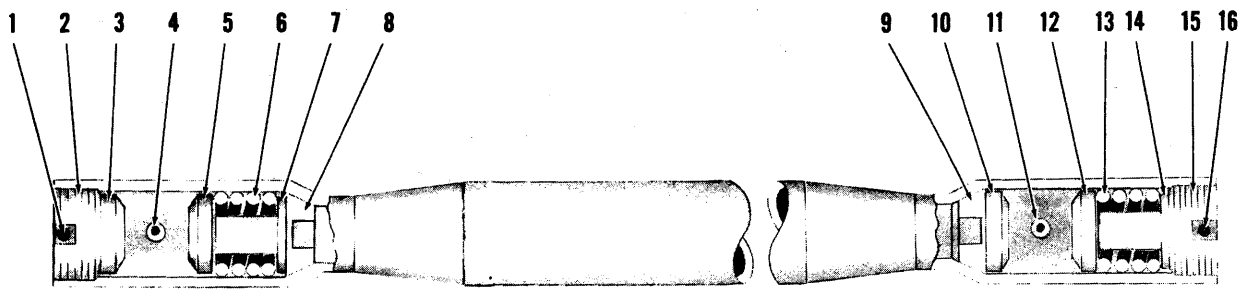
‡As Required †Not Illustrated §Not Sold Separately

*NOTE: 945112 also includes 1—25K-40308 O-Ring & 1—73K-236 Back-Up Ring.

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

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

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

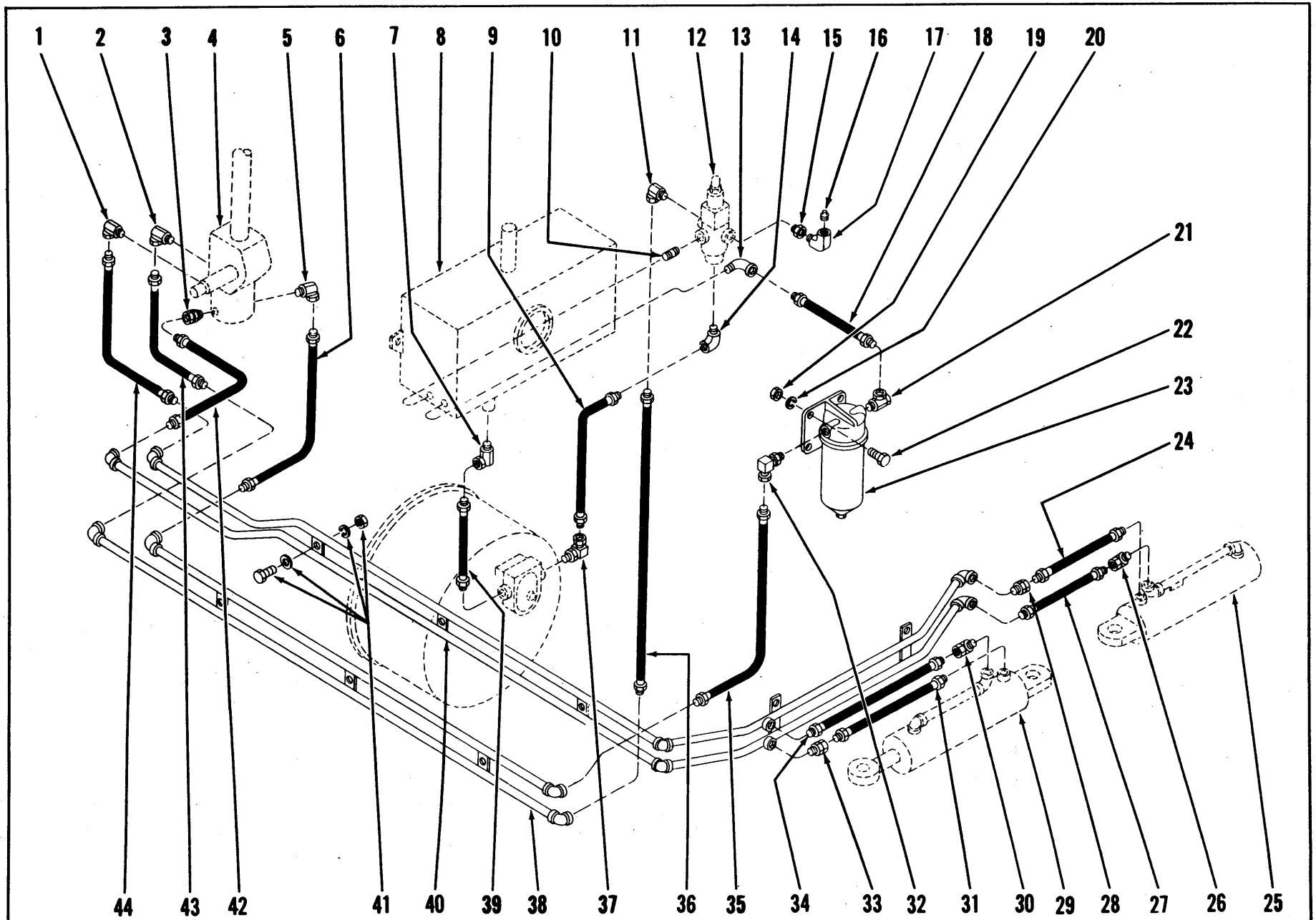


TS-1259-P

STEERING DRAG LINKS

Item No.	Part No.	Description	No. Req'd.
A	521836	DRAG LINK – Front (Inc. 2, 3, 5 thru 10, 12 thru 15)	1
B	521901	DRAG LINK – Rear (Inc. 2, 3, 5 thru 10, 12 thru 15)	
		For Serial: Cummins – 2892 thru 2942, 2LC52 thru 2LC126	1
		For Serial: G.M. – 2LG101 only	1
C	537511	DRAG LINK – Rear (Inc. 2, 3, 5 thru 10, 12 thru 15)	
		For Serial: Cummins – 2LC127 thru 2LC999	1
		For Serial: G.M. – 2LG101 thru 2LG999	1
1	1F-432	COTTER, Adjusting Nut	1
2	876575	NUT, Adjusting	1
3	865965	SEAT, Ball Stud	1
4	10H-25	FITTING, Drag Link Grease	1
5	865965	SEAT, Ball Stud	1
6	865961	SPRING	1
7	662691	SEAT, Spring	1
8	865963	SEAT	1
9	865963	SEAT	1
10	865965	SEAT, Ball Stud	1
11	10H-25	FITTING, Drag Link Grease	1
12	865965	SEAT, Ball Stud	1
13	865961	SPRING	1
14	662691	SEAT, Spring	1
15	876575	NUT, Adjusting	1
16	1F-432	COTTER, Adjusting Nut	1

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



HYDRAULIC SYSTEM — STEERING — CUMMINS

TS-2031-P

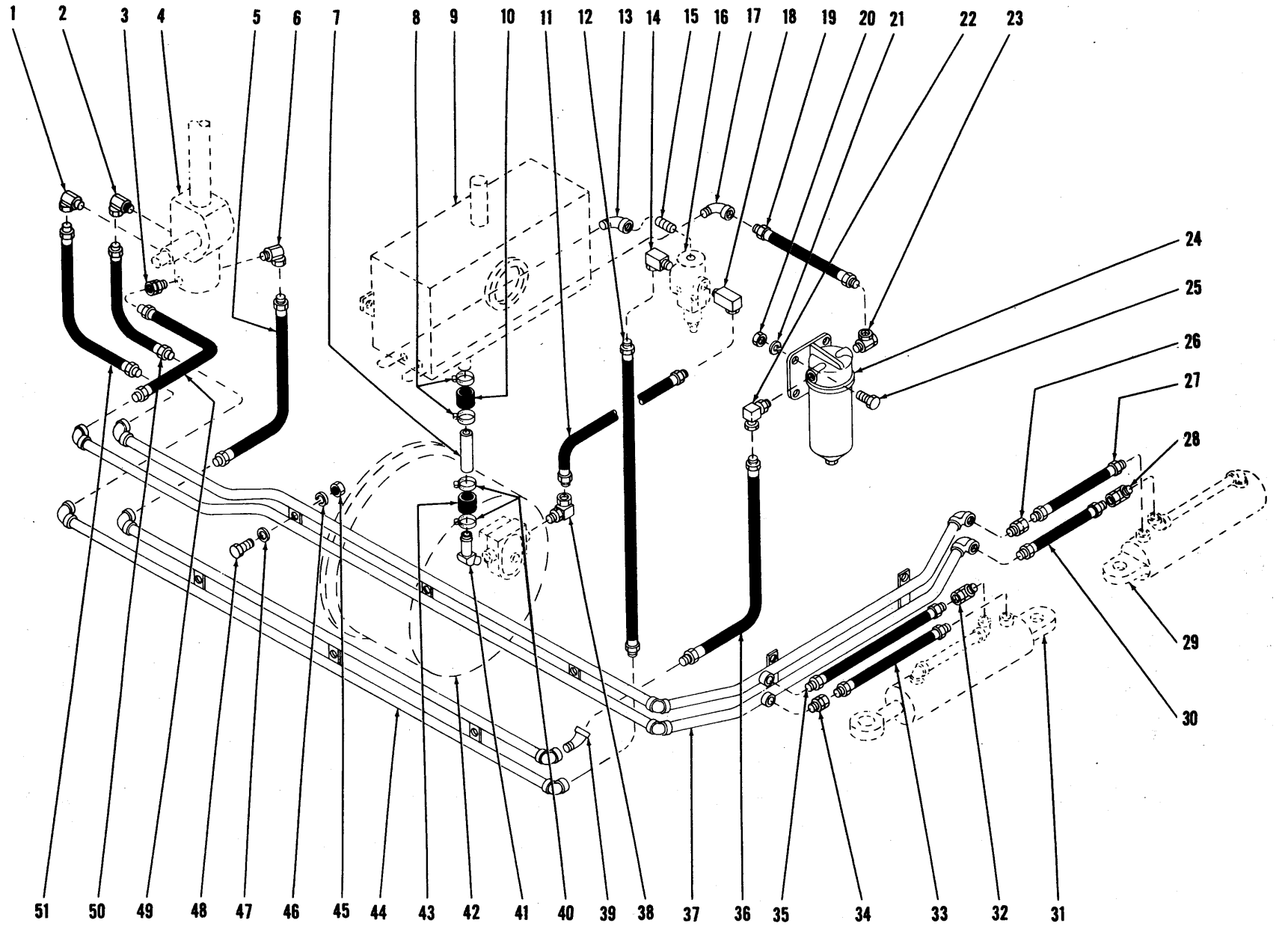
HYDRAULIC SYSTEM — STEERING — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.
1	517089	ADAPTER UNION, Hose to Valve	1
2	519275	ADAPTER UNION, Hose to Valve (Inc. 2A)	1
2A	91F-7	†O-RING, Adapter Union	1
3	661564	ADAPTER UNION, Hose to Valve	1
3A	91F-6	†O-RING, Adapter Union	1
4	————	STEERING GEAR — See Index	—
5	519275	ADAPTER UNION, Hose to Valve (Inc. 5A)	1
5A	91F-7	†O-RING, Adapter Union	1
6	657169	HOSE, Valve to Lower Pipe	1
7	31F-6	ADAPTER UNION, Hose to Reservoir	1
8	————	RESERVOIR, Hydraulic Oil — See Index	—
9	661560	HOSE, Pump to Relief Valve	1
10	5K-611	NIPPLE, Relief Valve to Reservoir	1
11	31F-4	ADAPTER UNION, Relief Valve to Hose	1
12	————	RELIEF VALVE — See Index	—
13	26F-5	ELBOW, Hose to Reservoir	1
14	29F-3	ELBOW, Relief Valve to Hose	1
15	356615	BUSHING	1
16	16F-04	PLUG	1
17	29F-1	ELBOW	1
18	669952	HOSE, Filter to Reservoir	1
19	2D-06	NUT, Filter to Bracket	4
20	4E-06	LKWSHR, Filter to Bracket	4
21	6K-12	CHECK VALVE, Hose to Filter	1
22	2C-640	BOLT, Filter to Bracket	4
23	1533615	FILTER, Steering System Oil (Inc. 23A)	1
23A	215502	CARTRIDGE KIT, Filter	1
24	672806	HOSE, Pipe to Cylinder	1
25	————	STEERING CYLINDER — See Index	—
26	33F-4	ADAPTER UNION, Hose to Cylinder	1
27	524530	HOSE, Pipe to Cylinder	1
28	36F-4	ADAPTER UNION, Hose to Pipe	1
29	————	STEERING CYLINDER—See Index	—
30	33F-4	ADAPTER UNION, Hose to Cylinder	1
31	672806	HOSE, Pipe to Cylinder	1
32	711053	ADAPTER UNION, Hose to Filter	1
33	36F-4	ADAPTER UNION, Hose to Pipe	1
34	524530	HOSE, Pipe to Cylinder	1
35	661558	HOSE, Pipe to Filter	1
36	661560	HOSE, Relief Valve to Pipe	1
37	711053	ADAPTER UNION, Hose to Pump	1
38	521926	PIPE, Lower	1
39	552156	HOSE, Reservoir to Pump	1
40	524637	PIPE, Upper	1
41	2C-628	BOLT, Pipe Attaching	8
41A	2D-06	NUT, Pipe Attaching	8
41B	4E-06	LKWSHR, Pipe Attaching	8
41C	103293	WASHER, Pipe Attaching	3
42	712766	HOSE, Valve to Upper Pipe	1
43	661559	HOSE, Valve to Lower Pipe	1
44	712766	HOSE, Valve to Upper Pipe	1
45	25F-4	†ELBOW, Filter Hose to Pipe	1

†Not Illustrated

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



HYDRAULIC SYSTEM — STEERING — CUMMINS

TS-2003-P

HYDRAULIC SYSTEM — STEERING — CUMMINS

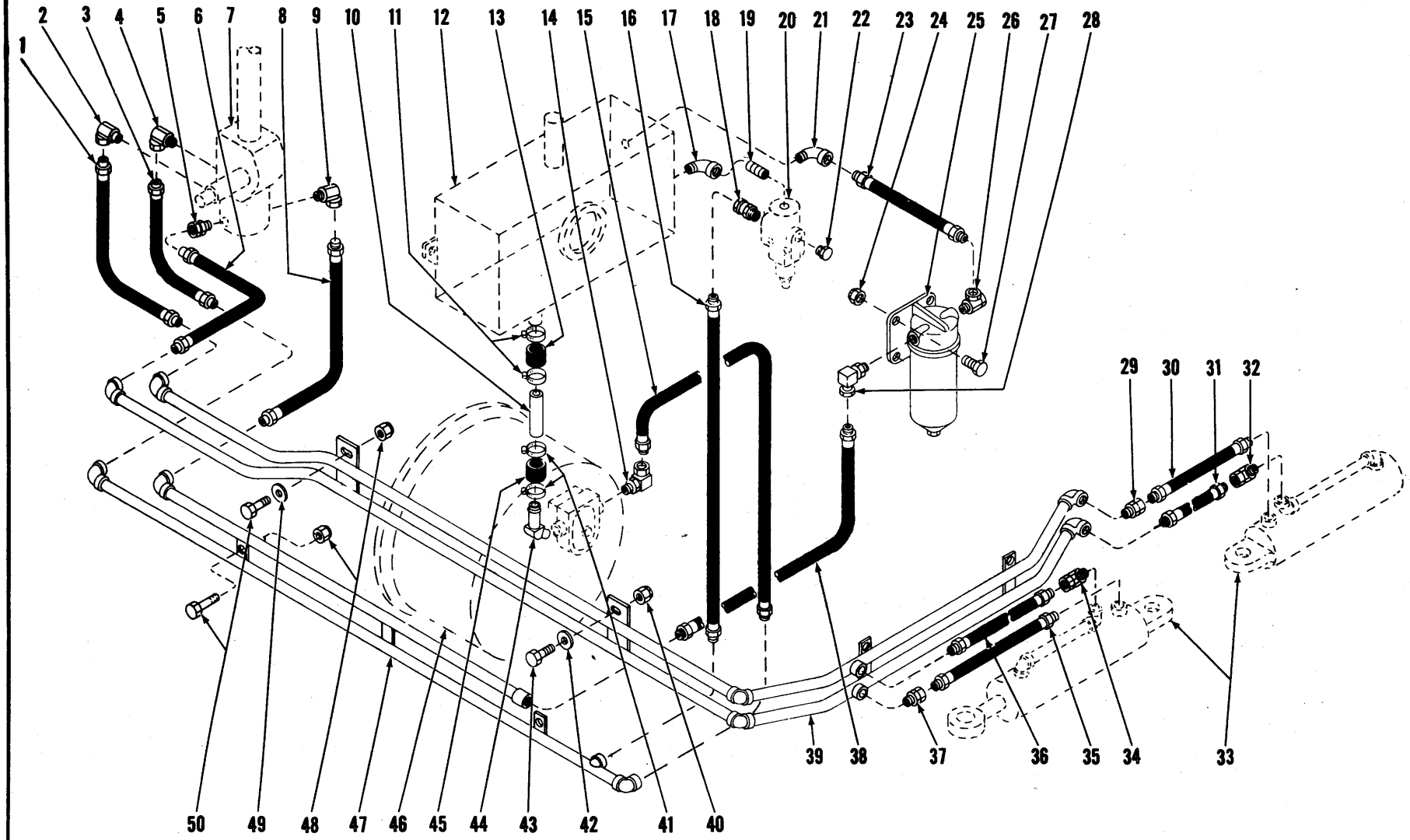
For Serial 2LC62 thru 2LC184

Item No.	Part No.	Description	No. Req'd.
1	517089	ADAPTER UNION, Hose to Valve	1
2	519275	ADAPTER UNION, Hose to Valve (Inc. 2A)	1
2A	91F-7	†O-RING, Adapter Union	1
3	661564	ADAPTER UNION, Hose to Valve	1
3A	91F-6	†O-RING, Adapter Union	1
4	————	STEERING GEAR — See Index	—
5	657169	HOSE, Valve to Lower Pipe	1
6	519275	ADAPTER UNION, Hose to Valve (Inc. 6A)	1
6A	91F-7	†O-RING, Adapter	1
7		*TUBE, Reservoir to Pump — Suction*	
7A	509953	*For Serial—2LC62 thru 2LC117	1
7B	536493	For Serial — 2LC118 thru 2LC184	1
8	521875	CLAMP, Hose	2
9	————	RESERVOIR, Hydraulic Oil—See Index	—
10	509711	HOSE, Tube to Reservoir	1
11	661560	HOSE, Pump to Relief Valve	1
12	661560	HOSE, Relief Valve to Lower Pipe	1
13	26F-5	ELBOW, Relief Valve to Reservoir— for Serial 2LC67 thru 2LC184	1
14		*ADAPTER UNION, Relief Valve to Hose*	
14A	31F-4	For Serial 2LC62 thru 2LC66	1
14B	519275	For Serial 2LC67 thru 2LC184 (Inc. 14C)	1
14C	91F-7	†O-RING, Adapter Union	1
15	5K-611	NIPPLE, Relief Valve to Reservoir	1
16	————	RELIEF VALVE — See Index	—
17	26F-5	ELBOW, Reservoir to Hose	1
18		*ADAPTER UNION, Relief Valve to Hose*	
18A	29F-3	For Serial 2LC62 thru 2LC66	1
18B	519275	For Serial 2LC67 thru 2LC184 (Inc. 18C)	1
18C	91F-7	†O-RING, Adapter	1
19	669952	HOSE, Filter to Reservoir	1
20	2D-06	NUT, Filter to Bracket	4
21	4E-06	LKWSHR, Filter to Bracket	4
22	711053	ADAPTER UNION, Hose to Filter	1
23	6K-12	CHECK VALVE, Hose to Filter	1
24	1533615	FILTER, Steering System Oil (Inc. 24A)	1
24A	215502	†CARTRIDGE KIT, Filter	1
25	2C-640	BOLT, Filter to Bracket	4
26	36F-4	ADAPTER UNION, Hose to Pipe	1
27	672806	HOSE, Pipe to Cylinder	1
28	33F-4	ADAPTER UNION, Hose to Cylinder	1
29	————	STEERING CYLINDER — See Index	—
30	524530	HOSE, Pipe to Cylinder	1
31	————	STEERING CYLINDER — See Index	—
32	33F-4	ADAPTER UNION, Hose to Cylinder	1
33	672806	HOSE, Pipe to Cylinder	1
34	36F-4	ADAPTER UNION, Hose to Pipe	1
35	524530	HOSE, Pipe to Cylinder	1
36	661558	HOSE, Filter to Pipe	1
37	524637	PIPE, Upper	1
38	711053	ADAPTER UNION, Hose to Pump	1
39	25F-4	ELBOW, Hose to Pipe	1
40	521875	CLAMP, Hose	2
41		*NIPPLE, Hose*	
41A	666858	For Serial 2LC62 thru 2LC117	1
41B	666846	For Serial 2LC118 thru 2LC184	1
42	————	TORQUE CONVERTER — See Index	—
43	509711	HOSE, Tube to Pump	1
44	527954	PIPE, Lower	1
45	2D-06	NUT, Pipe Attaching	6
46	4E-06	LKWSHR, Pipe Attaching	6
47	103293	WASHER, Upper Pipe Attaching	2
48	2C-628	BOLT, Pipe Attaching	6
49	712766	HOSE, Valve to Upper Pipe	1
50	661559	HOSE, Valve to Lower Pipe	1
51	712766	HOSE, Valve to Upper Pipe	1
52	29F-1	†ELBOW, Relief Valve, for Serial 2LC62 thru 2LC66	1
53	356615	†BUSHING, Relief Valve Elbow, for Serial 2LC62 thru 2LC66	1
54	16F-04	†PLUG, Relief Valve Elbow, for Serial 2LC62 thru 2LC66	1

†Not Illustrated

*NOTE: When installing 509953 Tube on machine serial 2LC62 thru 2LC81, items 8, 10, 40 and 43 must be used with each Tube.

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



HYDRAULIC SYSTEM — STEERING

TS-2822-P

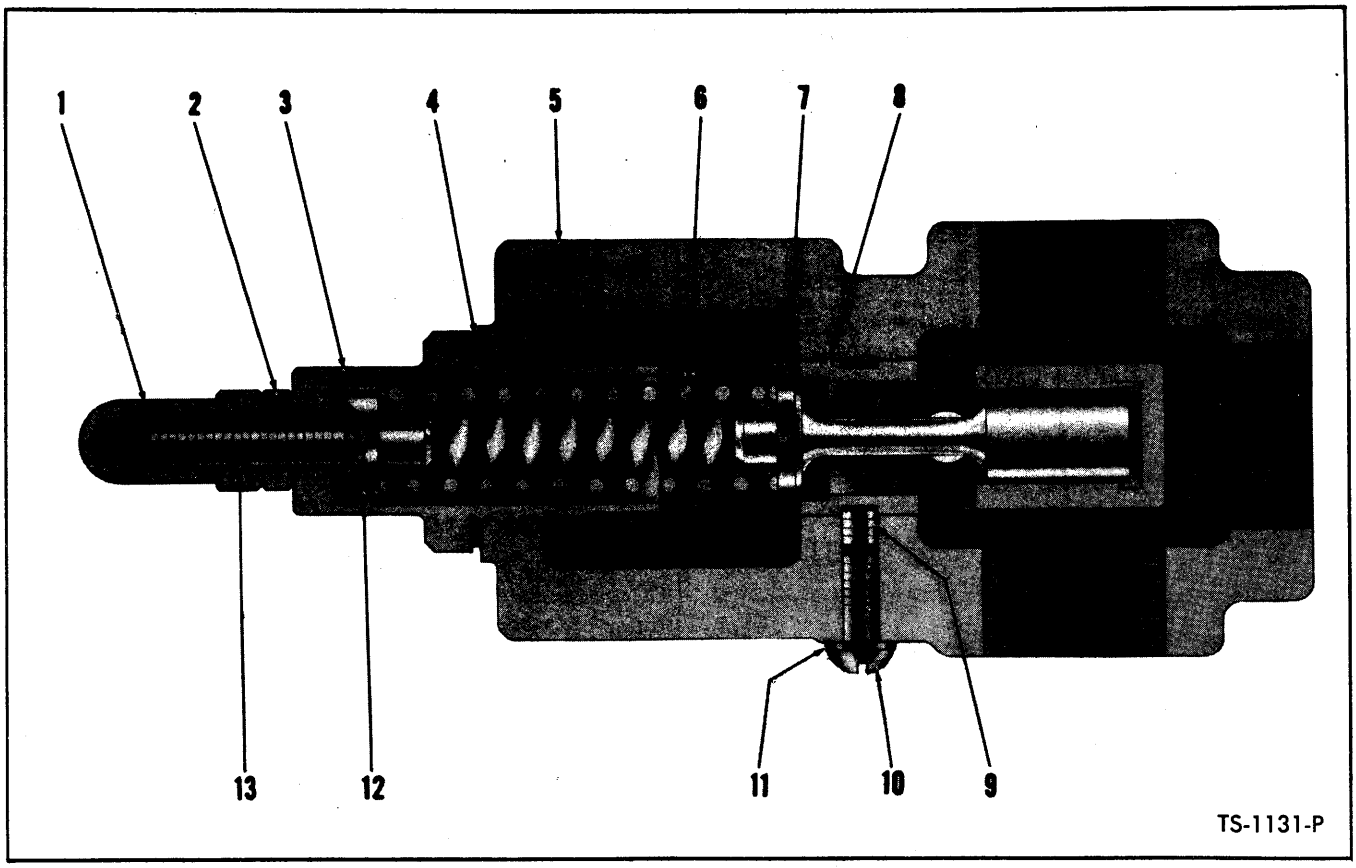
HYDRAULIC SYSTEM — STEERING

For Serial: CUMMINS — 2LC185 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	712766	HOSE, Valve to Upper Pipe	1
2	517089	ADAPTER	1
3	661559	HOSE, Valve to Lower Pipe	1
4	519275	ADAPTER UNION (Inc. 4A)	1
4A	91F-7	†O-RING, Adapter	1
5	661564	ADAPTER	1
5A	91F-6	†O-RING, Adapter	1
6	712766	HOSE, Valve to Upper Pipe	1
7	————	STEERING GEAR — See Index	—
8	657169	HOSE, Valve to Lower Pipe	1
9	519275	ADAPTER UNION (Inc. 9A)	1
9A	91F-7	†O-RING, Adapter	1
10		*TUBE, Reservoir to Pump — Suction*	
10A	536493	For Cummins Powered Machine	1
10B	540779	For G.M. Powered Machine	1
11	540103	CLAMP, Hose	2
12	————	RESERVOIR, Hyd. Oil — See Index	—
13	509711	HOSE, Tube to Reservoir	1
14	711053	ADAPTER	1
15		*HOSE, Pump to Pipe*	
15A	546042	For Cummins Powered Machine	1
15B	550807	For G.M. Powered Machine	1
16	661560	HOSE, Relief Valve to Pipe	1
17	26F-5	ELBOW, Relief Valve to Reservoir	1
18	743823	ADAPTER	1
18A	91F-7	†O-RING, Adapter	1
19	5K-611	NIPPLE, Relief Valve to Reservoir	1
20	————	PRESS. RELIEF VALVE — See Index	—
21	26F-5	ELBOW, Hose to Reservoir	1
22	24K-7	PLUG, Relief Valve	1
23	669952	HOSE, Filter to Reservoir	1
24	18D-06	NUT, Filter to Bracket	4
25	1533615	FILTER, Steering System Oil (Inc. 25A)	1
25A	215502	†CARTRIDGE KIT, Filter	1
26	6K-12	CHECK VALVE, Hose to Filter	1
27	18C-640	BOLT, Filter to Bracket	4
28	711053	ADAPTER	1
29	36F-4	ADAPTER	1
30	672806	HOSE, Pipe to Cylinder	1
31	524530	HOSE, Pipe to Cylinder	1
32	33F-4	ADAPTER	1
33	————	STEERING CYLINDER — See Index	—
34	33F-4	ADAPTER	1
35	672806	HOSE, Pipe to Cylinder	1
36	524530	HOSE, Pipe to Cylinder	1
37	36F-4	ADAPTER	1
38	661558	HOSE, Filter to Pipe	1
39	524637	PIPE, Upper	1
40	18D-06	NUT, Pipe to Frame	3
41	540103	CLAMP, Hose	2
42	103293	WASHER, Pipe to Frame	1
43	18C-628	BOLT, Pipe to Frame	3
44		*NIPPLE, Hose*	
44A	666846	For Cummins Powered Machine	1
44B	666858	For G.M. Powered Machine	1
45	509711	HOSE, Tube to Nipple	1
46	————	TORQUE CONV. — See Index	—
47	541844	PIPE, Lower	1
48	18D-06	NUT, Pipe to Frame	3
49	103293	WASHER, Pipe to Frame	1
50	18C-628	BOLT, Pipe to Frame	3

†Not Illustrated

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



PRESSURE RELIEF VALVE — STEERING SYSTEM

For Serial:
CUMMINS — 2892 thru 2942, 2LC52 thru 2LC66

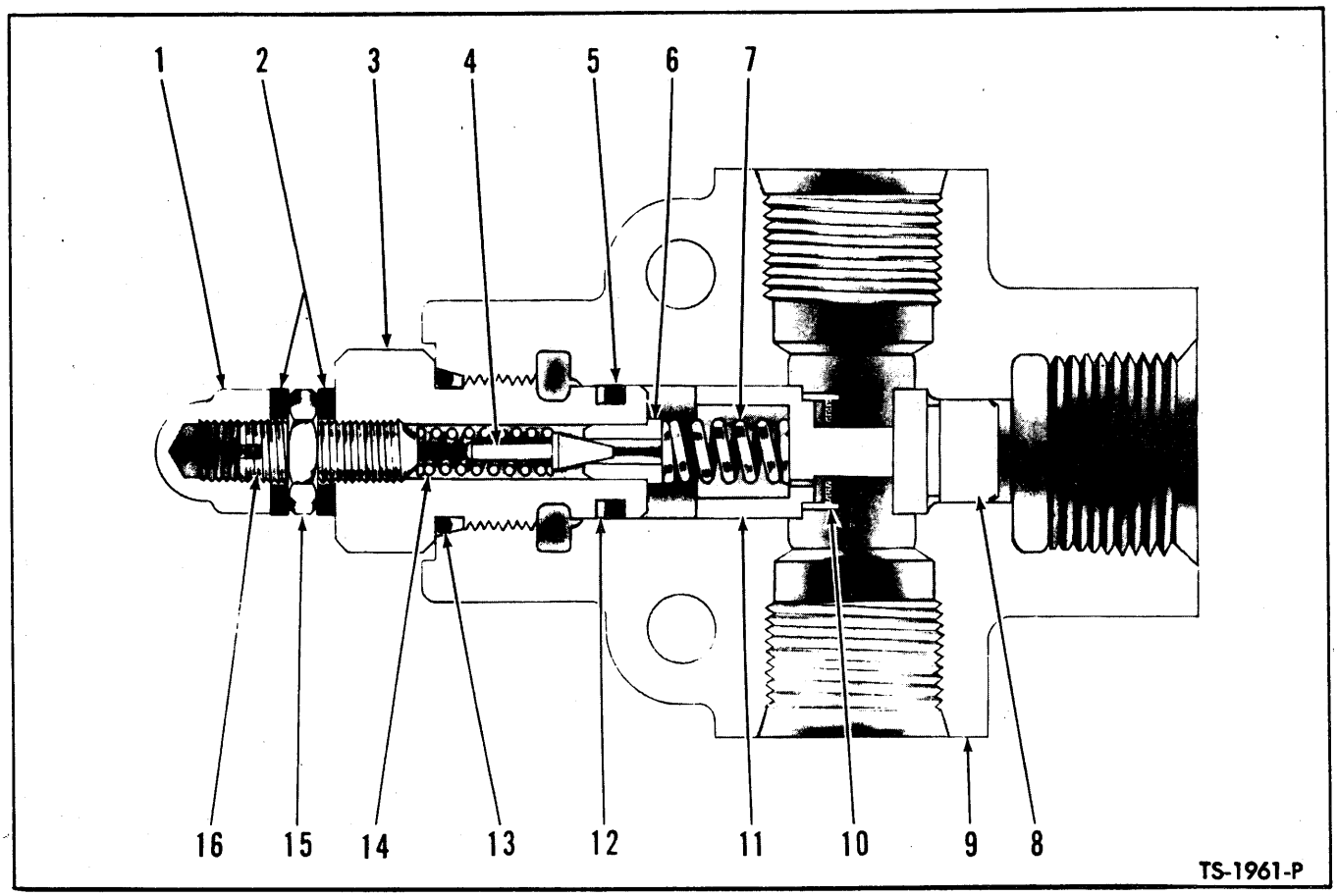
Item No.	Part No.	Description	No. Req'd.
A	521997	*VALVE ASSY (Inc. 1 thru 13)	1
1	863045	NUT, Acorn	1
2	8D-06	NUT, Jam	1
3	958206	CAP, Valve	1
4	25K-40028	"O" RING, Valve Cap	1
5	944005	HOUSING, Valve	1
6	958212	SPRING	1
7	940612	PLUNGER, Valve	1
8	940611	SEAT, Valve	1
9	15G-505	SETSCREW, Relief Valve Seat	1
10	863052	SCREW, Relief Valve Seat	1
11	863053	GASKET	1
12	958204	GUIDE, Spring	1
13	863046	SCREW, Adjusting	1

*NOTE: For replacement use 1—536539 Valve Assy on page 89 plus 2—519275 Adapter Union and 1—26F-5 Elbow.

PRESSURE RELIEF VALVE — LIFT, PITCH AND TILT SYSTEM

Item No.	Part No.	Description	No. Req'd.
A	520694	VALVE ASSY (Inc. 1 thru 13)	1
1	863045	NUT, Acorn	1
2	8D-06	NUT, Jam	1
3	940025	CAP, Valve	1
4	940031	GASKET, Valve Cap	1
5	943484	HOUSING, Valve	1
6	943485	SPRING	1
7	940032	PLUNGER, Valve	1
8	940033	SEAT, Valve	1
9	15G-506	SETSCREW, Relief Valve Seat	1
10	863052	SCREW, Relief Valve Seat	1
11	863053	GASKET	1
12	940029	GUIDE, Spring	1
13	940028	SCREW, Adjusting	1

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



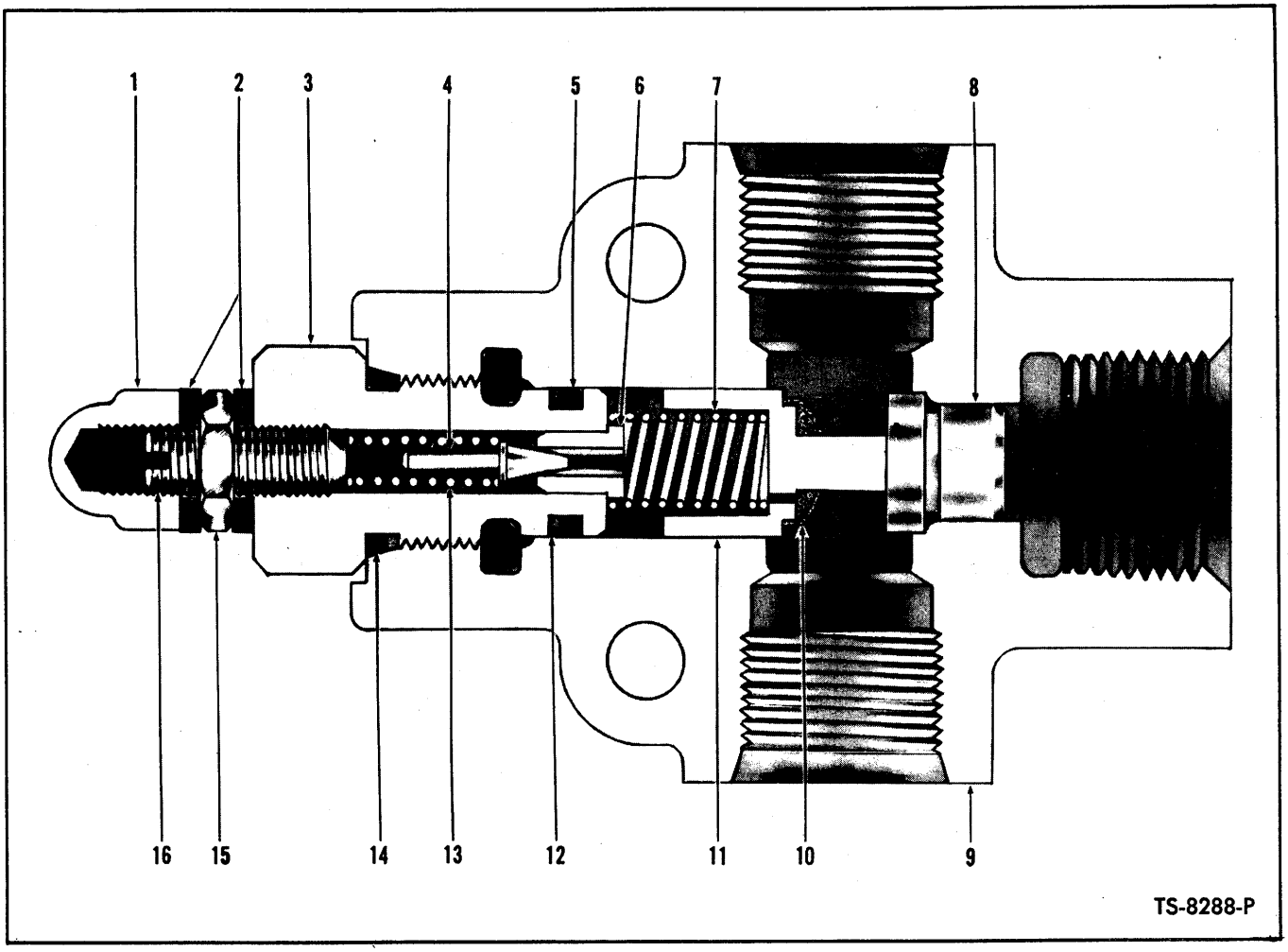
PRESSURE RELIEF VALVE — STEERING SYSTEM

For Serial: CUMMINS — 2LC67 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	531080	*VALVE ASSY	1
1	47D-05	NUT, Acorn	1
2	663792	WASHER, Stat-O-Seal	2
3	944467	CAP, Valve	1
4	883734	PLUNGER, Pilot	1
5	25K-20018	"O" RING	1
6	944469	SEAT, Pilot	1
7	944466	SPRING, Relief	1
8	944462	SEAT, Poppet	1
9	————	§BODY, Valve — See "C"	1
10	————	§SCREEN, Poppet — See 11	1
11	990494	POPPET ASSY (Inc. 10)	1
12	899038	RING, Back-Up	1
13	91F-6	"O" RING	1
14	944471	SPRING, Pilot	1
15	8D-05	NUT, Jam	1
16	33G-514	SCREW, Adjusting	1
17	799584	†PLUG	2

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

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

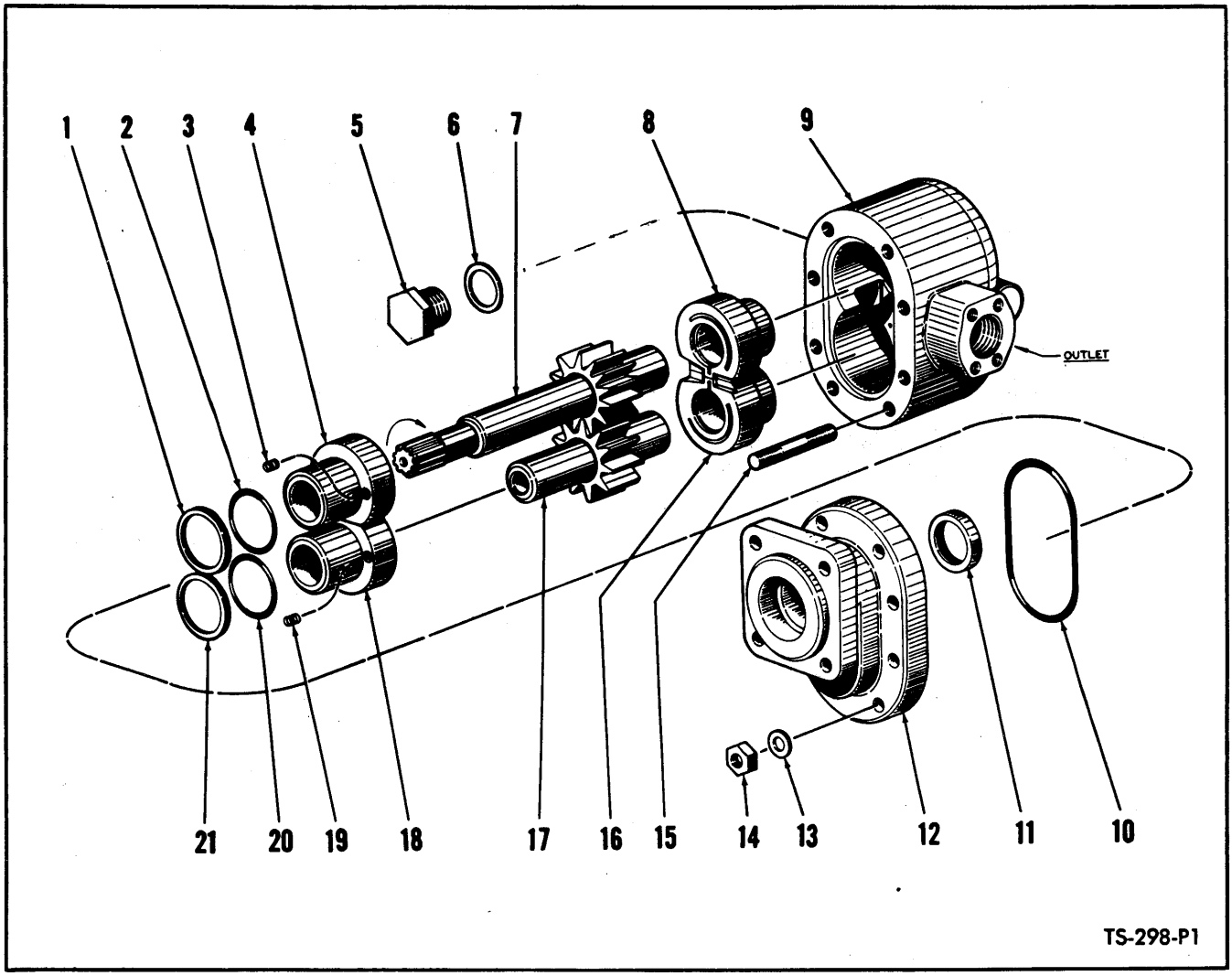


PRESSURE RELIEF VALVE — STEERING SYSTEM

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

§Not Sold Separately
†Not Illustrated

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



HYDRAULIC PUMP — LIFT, PITCH AND TILT

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC61

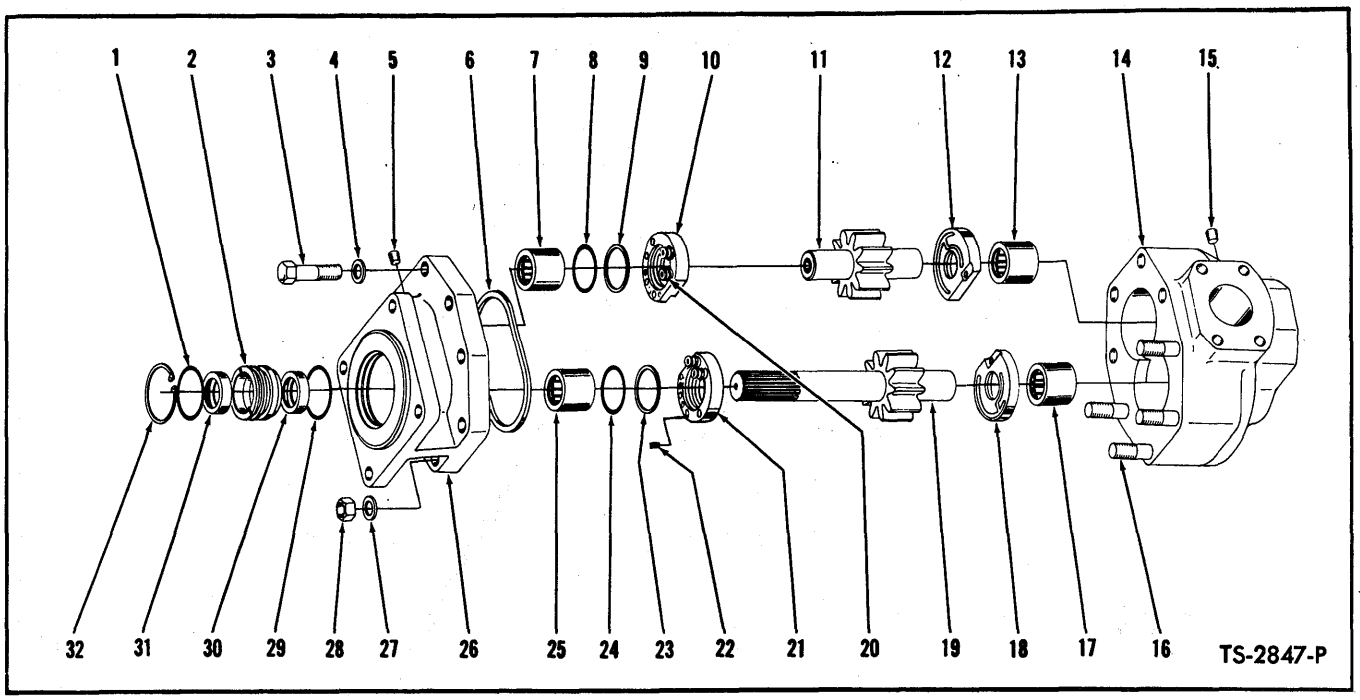
Item No.	Part No.	Description	No. Req'd.
A	553415	*PUMP ASSY (Inc. 1 thru 21)	1
B	943791	REPAIR KIT, Major (Inc. 1, 2, 3, 4, 6, 8, 10, 11, 13, 14, 15, 16, 18, 19, 20, 21)	1
C	941641	REPAIR KIT, Minor (Inc. 1, 2, 6, 10, 11, 20, 21)	1
D	942429	GEAR SET, Drive & Driven (Inc. 7, 17)	1
1	———	§WASHER, Back-Up	1
2	———	§"O" RING, Bearing	1
3	———	§SPRING, Bearing	2
4	———	§BEARING, Cover — Drive	1
5	———	§RETAINER, Seal Relief	1
6	———	§GASKET, Seal Relief	1
7	———	§GEAR, Drive	1
8	———	§BEARING, Body — Drive	1
9	———	§BODY	1
10	———	§GASKET, Cover	1
11	———	§SEAL, Shaft	1
12	———	§COVER	1
13	———	§WASHER, Cover to Body	8
14	———	§NUT, Cover to Body	8
15	———	§STUD, Cover to Body	8
16	———	§BEARING, Body — Driven	1
17	———	§GEAR, Driven	1
18	———	§BEARING, Cover — Driven	1
19	———	§SPRING, Bearing	2
20	———	§"O" RING, Bearing	1
21	———	§WASHER, Back-Up	1
22	552161	†GASKET, Pump to Converter	1
23	2D-08	†NUT, Pump to Converter	4
24	4E-08	†LKWSHR, Pump to Converter	4

*NOTE: When replacing Pump Assembly listed above use 450155 Pump illustrated on page 91 plus:
1—527191 Stem; 1—58K-228 O-Ring; 4—1C-824 Bolts; 4—4E-08 Lkwshrs.

§Not Sold Separately — Order Kits.

†Not Illustrated

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



HYDRAULIC PUMP — LIFT, PITCH AND TILT

For Serial: CUMMINS — 2LC62 thru 2LC999
G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	450155	PUMP ASSY (Inc. 1 thru 32)	1
B	498132	REPAIR KIT, Major (Inc. 10, 12, 18, 21)	1
C	498133	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 22, 23, 24, 28, 29)	1
D	498043	GEAR SET, Drive & Driven (Inc. 11,19)	1
E	498115	REPAIR KIT, Shaft Seal (Inc. 1, 2, 29 thru 32)	1
1	———	§"O" RING, Retainer	1
2	———	§RETAINER, Shaft Seal	1
3	———	§BOLT, Cover to Body	4
4	———	§WASHER, Cover to Body	4
5	———	§PLUG, Cover	1
6	———	§GASKET, Cover	1
7	———	**§BEARING, Cover	1
8	———	§"O" RING, Cover Thrust Plate	1
9	———	§WASHER, "O" Ring Back-Up	1
10	———	§THRUST PLATE, Cover (Inc. 20)	1
11	———	§GEAR, Driven	1
12	———	§THRUST PLATE, Body	1
13	———	**§BEARING, Body	1
14	———	**§BODY	1
15	———	§PLUG, Body	1
16	———	§STUD, Cover to Body	4
17	———	**§BEARING, Body	1
18	———	§THRUST PLATE, Body	1
19	———	§GEAR, Drive	1
20	———	§"O" RING, Piston	4
21	———	§THRUST PLATE, Cover (Inc. 20)	1
22	———	§SPRING, Cover Thrust Plate	12
23	———	§WASHER, "O" Ring Back-Up	1
24	———	§"O" RING, Cover Thrust Plate	1
25	———	**§BEARING, Cover	1
26	———	**§COVER	1
27	———	§WASHER, Cover to Body	4
28	———	§NUT, Cover to Body	4
29	———	§"O" RING, Retainer	1
30	———	§SEAL, Inner Oil	1
31	———	§SEAL, Outer Oil	1
32	———	§RING, Seal Retaining	1
33	552161	†GASKET, Pump to Converter	1
34	2D-08	†NUT, Pump to Converter	4
35	4E-08	†LKWSHR, Pump to Converter	4

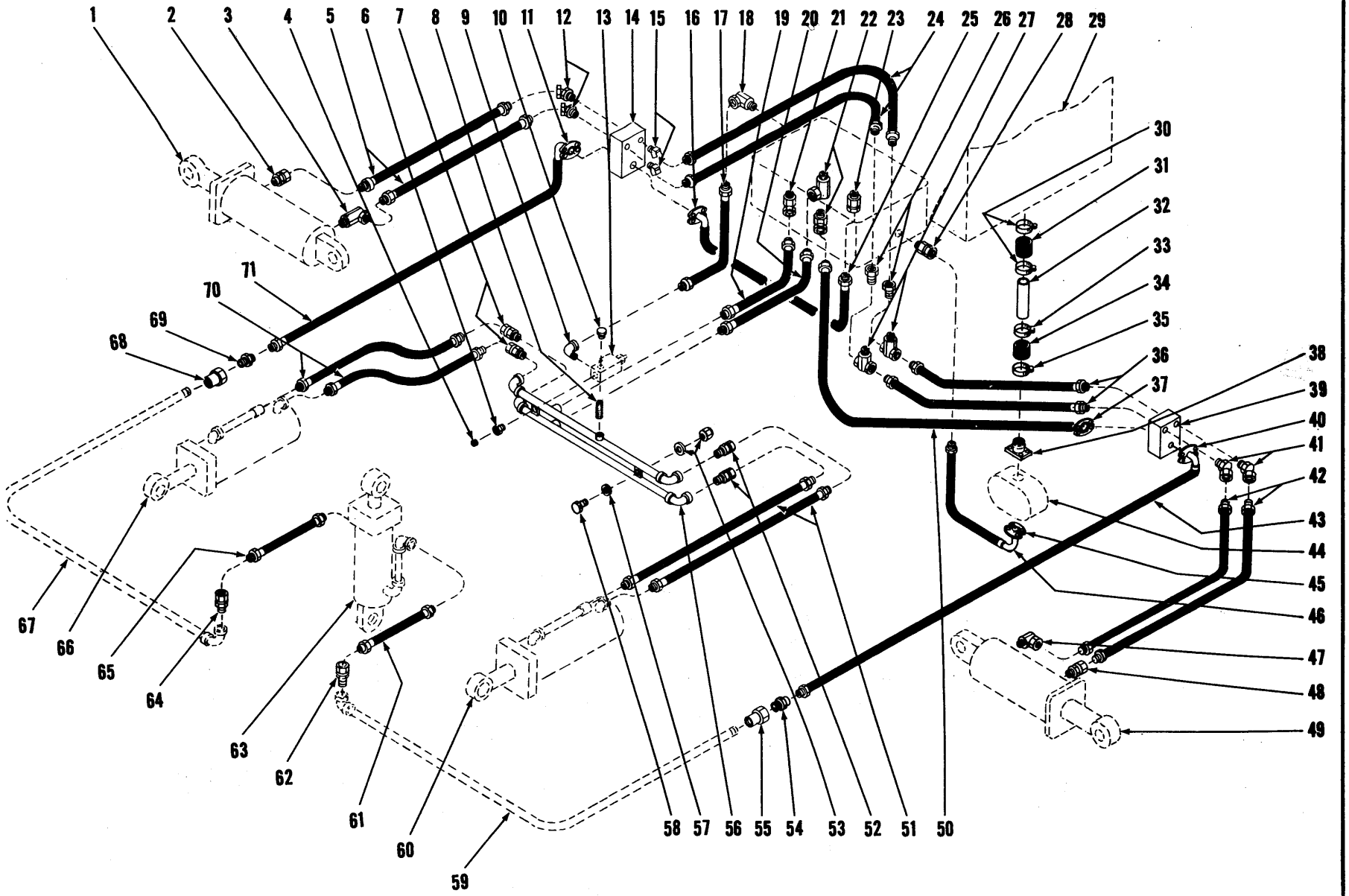
*NOTE: *Minor Repair Kit* consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**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 Sold Separately — Order Kits.

†Not- Illustrated

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



HYDRAULIC SYSTEM — LIFT, PITCH AND TILT

TS-2823-P

HYDRAULIC SYSTEM — LIFT, PITCH AND TILT

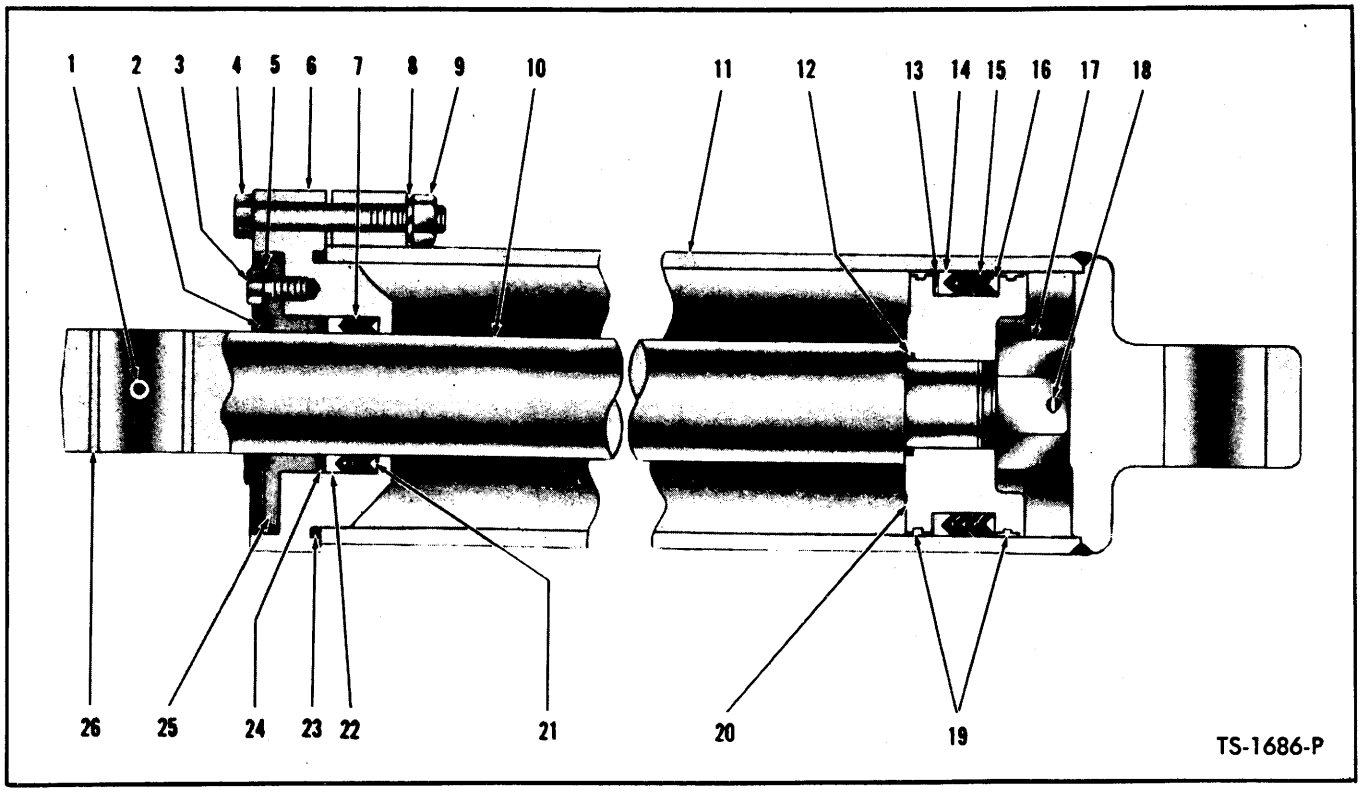
Item No.	Part No.	Description	No. Req'd.
1	———	TILT CYLINDER — See Index	—
2	36F-4	ADAPTER	1
3	31F-4	ADAPTER	1
4	16F-04	PLUG, Relief Valve	1
5	604617	HOSE, Block to Cylinder	2
6	356624	BUSHING, Relief Valve	1
7	36F-6	ADAPTER	2
8	5K-814	NIPPLE, Relief Valve to Cross Pipe	1
9	26F-7	ELBOW, Relief Valve	1
10	40K-16	PLUG, Relief Valve	1
11	———	FLANGE HALF (See Group "A" Below	—
12	33F-4	ADAPTER	2
13	———	PRESSURE RELIEF VALVE — See Index	—
14	513525	BLOCK, Connector	1
14A	2C-822	†BOLT, Connector Block	2
14B	25E-21	†WASHER, Connector Block	2
14C	4E-08	†LKWSHR, Connector Block	2
15	81F-3	ELBOW, Hose to Block	2
16	———	FLANGE HALF (See Group "B" Below)	—
17	672751	HOSE, Relief Valve to Control Valve	1
18	526027	ADAPTER	1
19		*HOSE, Cross Pipe to Control Valve*	
19A	352619	For Cummins Powered Machines	1
19B	582491	For G.M. Powered Machines	1
20	580168	HOSE, Cross Pipe to Control Valve	1
21	31F-6	ADAPTER	1
22	33F-6	ADAPTER	2
23	36F-6	ADAPTER	1
24	672082	HOSE, Control Valve to Block	2
25	525997	HOSE, Block to Control Valve	1
26	356622	BUSHING, Adapter to Control Valve	2
27	661443	ADAPTER TEE	2
28	36F-7	ADAPTER	1
29	———	RESERVOIR, Hydraulic Oil—See Index	—
30	540104	*CLAMP, Hose	2
31	509719	*HOSE, Reservoir to Tube	1
32		*TUBE, Pump Suction*	
32A	509989	*For Cummins Powered Machines	1
32B	540770	For G.M. Powered Machines	1
33	540104	*CLAMP, Hose	1
34	509719	*HOSE, Tube to Stem	1
35	540104	*CLAMP, Hose	1
36	672082	HOSE, Control Valve to Block	2
37	———	FLANGE HALF (See Group "B" Below)	—
38		*STEM, Hose to Pump*	
38A	553206	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	1
38B	527191	Cummins — 2LC62 thru 2LC999;* G.M. — 2LG101 thru 2LG999	1
38C	58K-228	†"O" RING, Stem to Pump	1
38D	1C-824	†BOLT, Stem to Pump	4
38E	4E-08	†LKWSHR, Stem to Pump	4
39	513525	BLOCK, Connector	1
39A	2C-822	†BOLT, Connector Block	2
39B	25E-21	†WASHER, Connector Block	2
39C	4E-08	†LKWSHR, Connector Block	2
40	———	FLANGE HALF (See Group "A" Below)	—
41	33F-4	ADAPTER	2
42	604617	HOSE, Block to Cylinder	2
43	525996	HOSE, Block to Pipe	1
44	———	PUMP — See Index	—
45	———	FLANGE HALF (See Group "C" Below)	—
46	513841	HOSE, Control Valve to Pump	1
47	31F-4	ADAPTER	1
48	36F-4	ADAPTER	1
49	———	TILT CYLINDER — See Index	—
50	527077	HOSE, Control Valve to Block	1
51	658913	HOSE, Cross Pipe to Cylinder	2
52	36F-6	ADAPTER	2
53	70D-06	NUT, Cross Pipe to Frame	2
53A	71D-06	BASE, Cross Pipe to Frame Nut	2
54	635218	COUPLING, "C" Frame Pipe	1
55	635209	COUPLING, "C" Frame Pipe	1
56	526009	CROSS PIPE	1
57	103293	WASHER, Cross Pipe to Frame	2
53	2C-636	BOLT, Cross Pipe to Frame	2
59	———	PIPE, R.H. "C" Frame — See Index	—
60	———	LIFT CYLINDER — See Index	—
61	691800	HOSE, Pipe to Cylinder	1
62	36F-5	ADAPTER	1
63	———	PITCH CYLINDER — See Index	—
64	36F-5	ADAPTER	1
65	691800	HOSE, Pipe to Cylinder	1
66	———	LIFT CYLINDER — See Index	—
67	———	PIPE, L.H. "C" Frame — See Index	—
68	635209	COUPLING, "C" Frame Pipe	1
69	635218	COUPLING, "C" Frame Pipe	1
70	658913	HOSE, Cross Pipe to Cylinder	2
71	525996	HOSE, Block to Pipe	1

†Not Illustrated

*NOTE: When installing 509989 tube on machine serial 2892 thru 2942, 2LC52 thru 2LC96, 2LC112 thru 2LC114; items 30, 31, 33, 34, 35 must also be used.

No. Req'd per Connection GROUP	FLANGE HALF 2	"O" RING 1	BOLT 4	LKWSHR 4	SIZE
"A"	19J16	58K-219	1C-620	4E-06	1"
"B"	19J20	58K-222	1C-724	4E-07	1¼"
"C"	19J24	58K-225	1C-824	4E-08	1½"

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



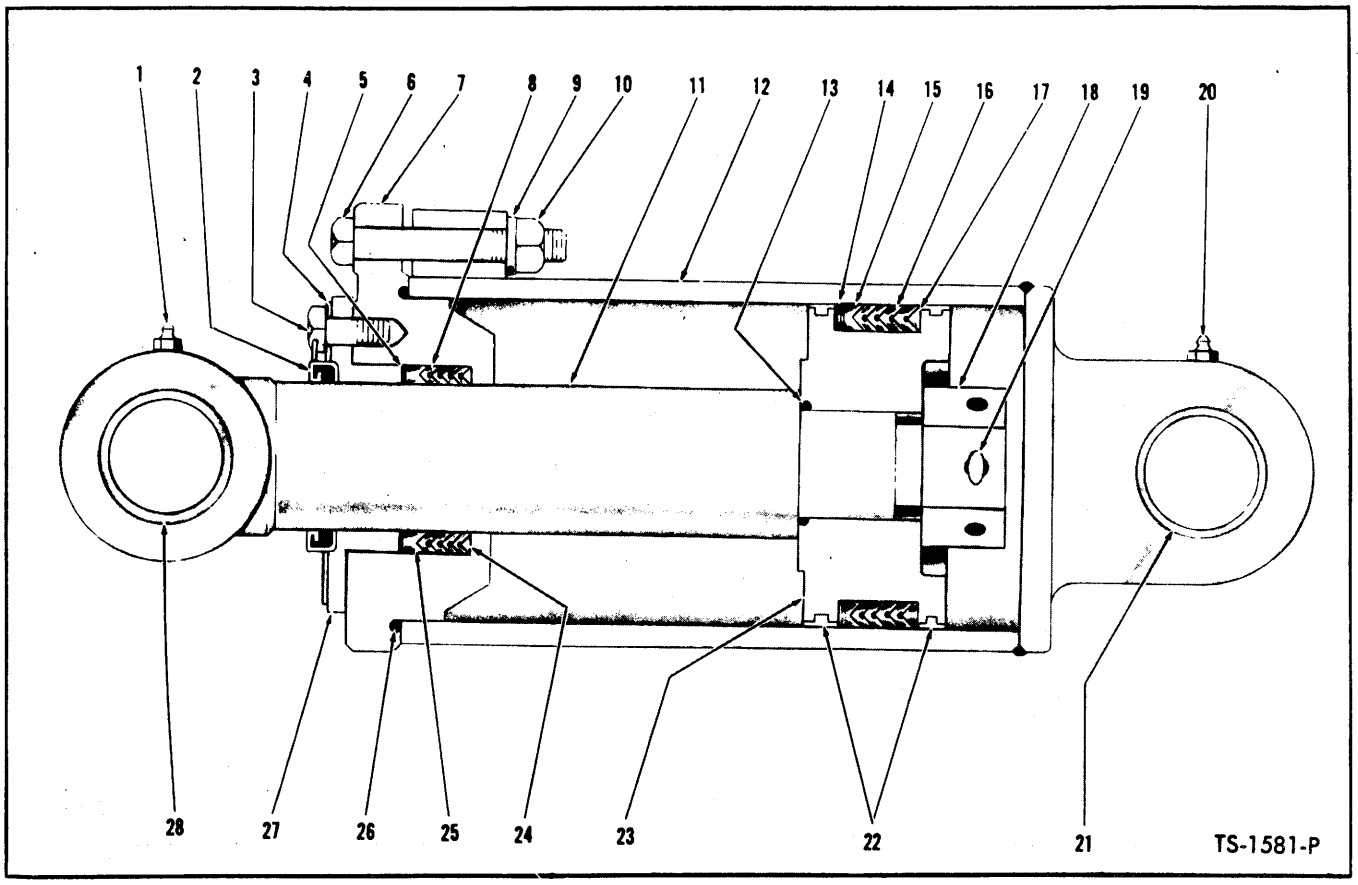
LIFT CYLINDER ASSEMBLY

2 Cylinders Used per Machine — Quantity Indicated Is for 1 Cylinder

Item No	Part No.	Description	No. Req'd.
A	580107	CYLINDER ASSY (Inc. 1 thru 27)	1
B	2516062	KIT (Inc. 2, 7, 12, 14 thru 16, 18, 19, 21 thru 23) See Note "B"	1
1	11H-15	FITTING, Piston Rod Grease	1
2	2516950	SEAL, (Piston Rod Wiper)	1
3	3C-816	BOLT, Seal Retainer (½" x 1")	4
3A	3C-820	BOLT, Seal Retainer (½" x 1¼")	4
3B	28H-16130	†LOCKWIRE	2
4	2C-1080	BOLT, Cylinder Cap	4
5	550451	RETAINER, Seal (Round)	1
5A	522617	RETAINER (Square)	1
6	945115	**CAP, Cylinder	1
7	2501108	PACKING, Cylinder Cap — Inc. 21, 22	1
8	———	OMIT LKWSHR when rebuilding Cyl.	—
9	18D-10	NUT, Cylinder Cap	4
10	531081	ROD ASSY, Piston (Inc. 26)	1
11	580108	CYLINDER (Only)	1
12	———	§"O" RING, Piston — See B	1
13	514747	‡SHIM, Piston Packing	—
14	———	§ADAPTER, Female — See 15	2
15	———	§PACKING, Piston — See B (Inc. 14, 16)	1
16	———	§ADAPTER, Male — See 15	2
17	551606	NUT, Piston Rod	1
18	1F-856	COTTER, Piston Rod Nut	1
19	———	§RING, Piston Wear — See B	2
20	550436	PISTON — See Note "A"	1
21	———	§ADAPTER, Male — See 7	2
22	———	§ADAPTER, Female — See 7	2
23	———	§"O" RING, Cylinder Cap — See B	1
24	552980	*‡SHIM, Packing Gland Cap	—
25	527812	GLAND, Packing	1
26	509898	BUSHING, Piston Rod	1

†Not Illustrated
§As Required
*NOTE: Cylinder cap packing shim no. 552980 is required with Glands that are 1-1/8" deep only. Glands that are 1-3/8" deep do not require shims. **NOTE: 945115 Cap also includes 1—25K-80516 O-Ring & 1—73K-433 Back-Up Ring.
NOTE "A": For replacement of 550436 Piston (one-piece design) use 1—2516065.
NOTE "B": For reference see Service Gram S.G.-597A.

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



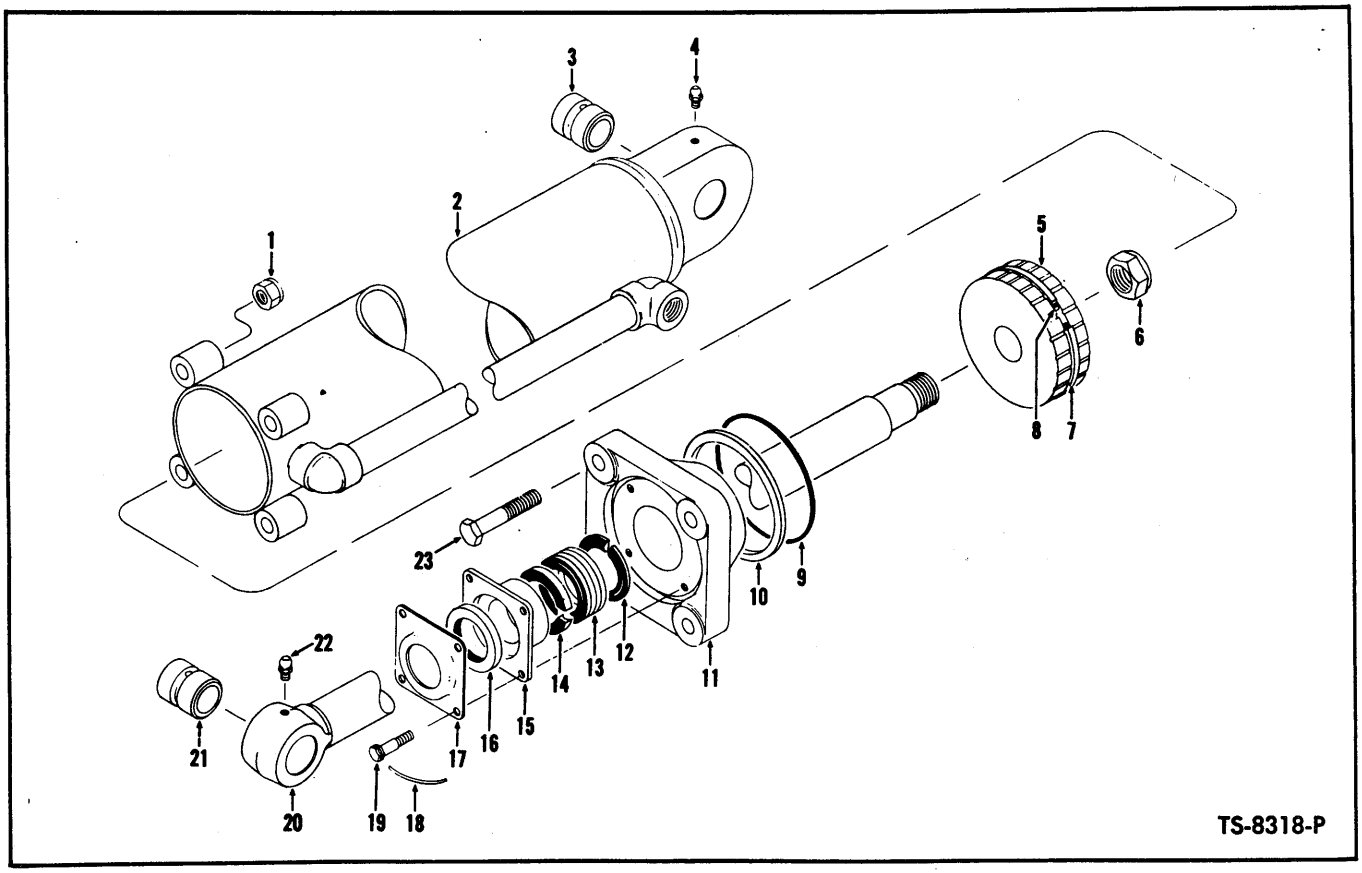
BLADE PITCH CYLINDER ASSEMBLY

1 Cylinder Used Per Machine

Item No.	Part No.	Description	No. Req'd.
A	580124	CYLINDER ASSY (Inc. 1 thru 29) (See Note "A")	1
B	2516062	KIT (Inc. 2, 8, 13, 15 thru 17, 19, 22, 24 thru 26) See Note "B"	1
1	10H-25	FITTING, Piston Rod Grease	1
2	2516950	SEAL, Piston Rod Wiper	1
3	3C-816	BOLT, Wiper Retainer (½" x 1")	4
3A	3C-820	BOLT, Wiper Retainer (½" x 1¼")	4
3B	28H-16130†	LOCKWIRE	2
4	522617	RETAINER, Piston Rod Seal (Square)	1
4A	550451	RETAINER, Piston Rod Seal (Round)	1
5	552980	*‡SHIM, Packing Gland	—
6	2C-1080	BOLT, Cylinder Cap	4
7	945115	**CAP, Cylinder	1
8	2501108	PACKING, Cylinder Cap (Inc. 24, 25)	1
9	———	OMIT LKWSHR when rebuilding Cyl.	—
10	18D-10	NUT, Cylinder Cap	4
11	550442	ROD ASSY, Piston (Inc. 28)	1
12	580126	CYLINDER (Inc. 21)	1
13	———	§"O" RING, Piston Rod — See B	1
14	514747	‡SHIM, Piston Packing	—
15	———	§ADAPTER, Female — See 16	2
16	———	§PACKING, Piston, See B (Inc. 15, 17)	1
17	———	ADAPTER, Male — See 16	2
18	551606	NUT, Piston Rod	1
19	1F-856	COTTER, Piston Rod Nut	1
20	10H-35	FITTING, Cylinder Grease	1
21	531584	BUSHING, Cylinder	1
22	———	§RING, Piston Wear — See B	2
23	550436	***PISTON	1
24	———	§ADAPTER, Male — See 8	2
25	———	§ADAPTER, Female — See 8	2
26	———	§"O" RING, Cylinder Cap — See B	1
27	527812	GLAND, Packing	1
28	531584	BUSHING, Piston Rod	1

*NOTE: Cylinder cap packing shim no. 552980 is required with Glands that are 1-1/8" deep only. Glands that are 1-3/8" deep do not require shims. **NOTE: 945115 Cap also includes 1—25K-80516 O-Ring & 1—73K-433 Back-Up Ring. ***NOTE: For replacement of 550436 Piston (one-piece design — use 1—2516065 Kit. NOTE "A": For replacement use 1503598.
NOTE "B": For reference see Service Gram S.G.-597A.
‡As Required †Not Illustrated

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



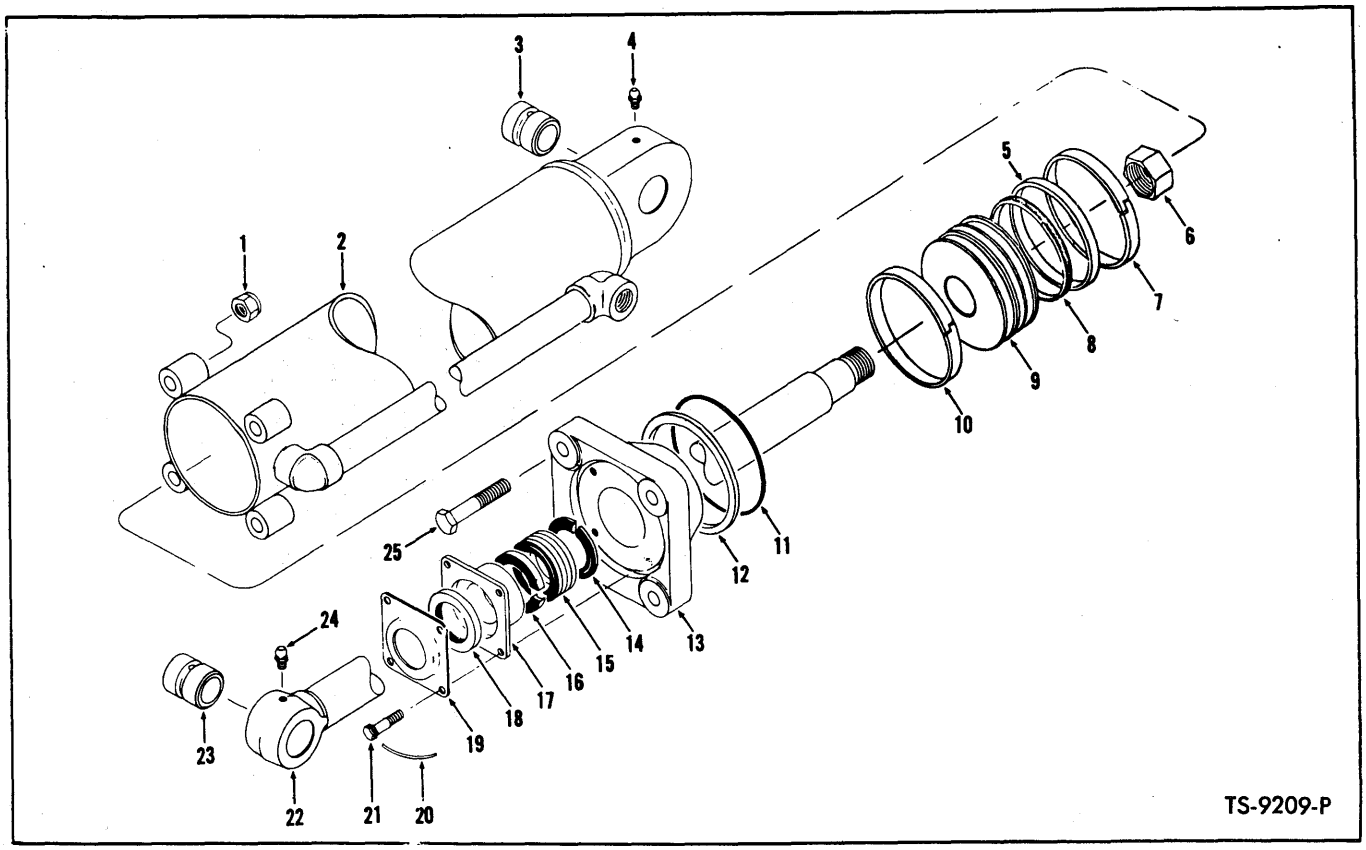
PITCH CYLINDER ASSEMBLY — 6"

One (1) Cylinder Used on Machine

(SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1520836	*CYLINDER ASSY (Inc. 1 thru 23)	1
B	2516063	KIT (Inc. 7 thru 10, 12 thru 14, 16) See Note "A"	1
1	18D-10	NUT, Cylinder Cap	4
2	580126	CYLINDER (Inc. 3)	1
3	531584	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	569993	**PISTON	1
6	1520467	NUT, Piston Rod	1
7	———	§RING, Piston Sealing — See B	1
8	———	§O-RING, Piston — See B	1
9	———	§O-RING, Cylinder Cap — See B	1
10	———	§RING, Back-Up — See B	1
11	945115	CAP ASSY	1
12	———	§ADAPTER, Male — See 13	2
13	2501108	PACKING ASSY (Inc. 12, 14)	1
14	———	§ADAPTER, Female — See 13	2
15	527812	GLAND, Packing	1
16	2516950	WIPER, Seal	1
17	522617	RETAINER, Wiper	1
18	———	LOCKWIRE (16 ga. x 13" lg.)	2
19	3C-820	BOLT, Wiper Retainer	4
20	1520835	ROD ASSY, Piston (Inc. 21)	1
21	531584	BUSHING, Piston Rod	1
22	10H-35	FITTING, Piston Rod Grease	1
23	24C-1072	BOLT, Cylinder Cap	4

§Not Sold Separately
*NOTE: For complete replacement of 1520836 Cylinder Assembly use 1503598.
**NOTE: For replacement of 569993 use 1502846 Piston plus 1—2516065 Kit.
NOTE "A": For reference see Service Gram S.G.-597A.



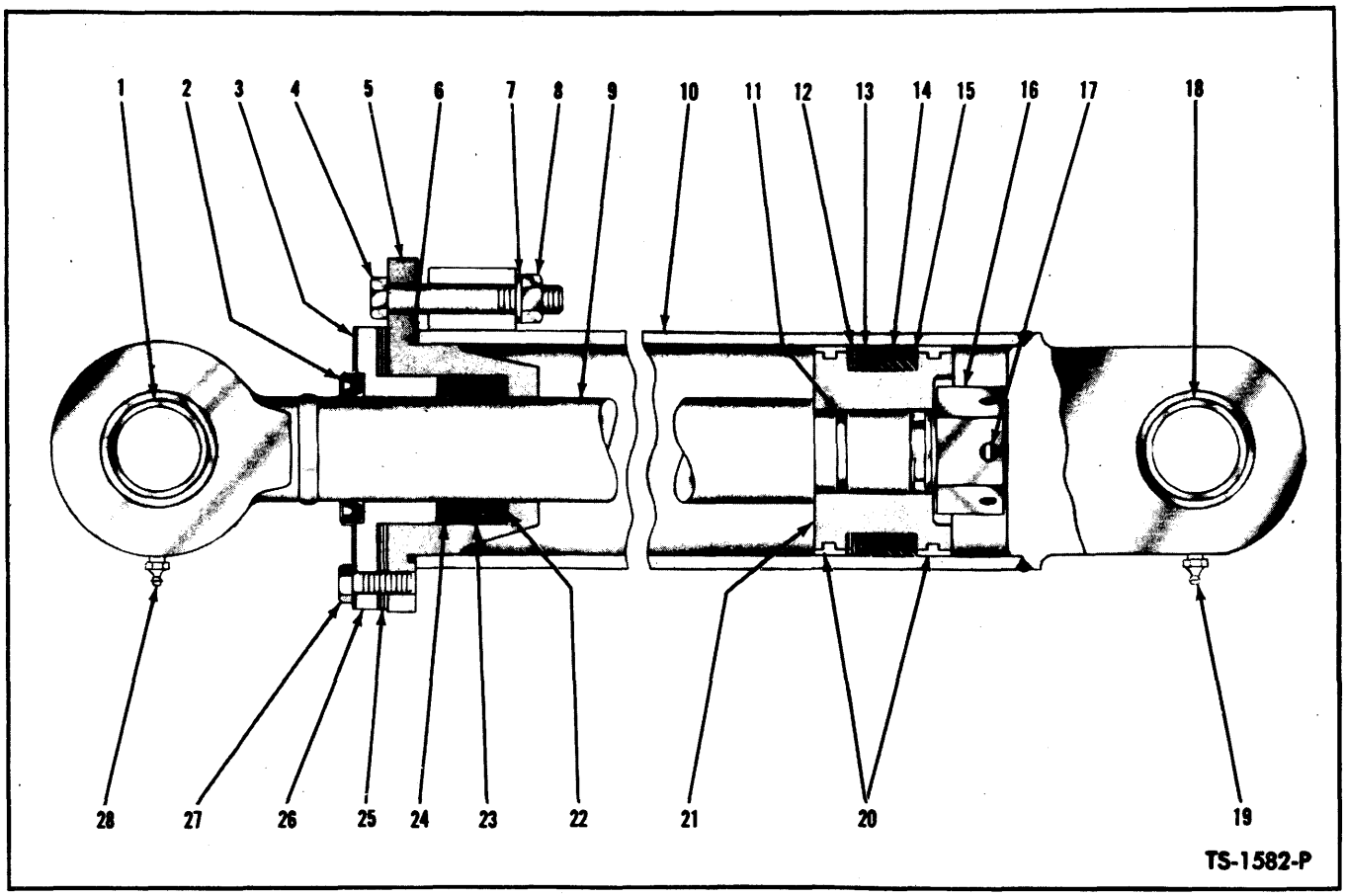
PITCH CYLINDER ASSEMBLY — 6"

One (1) Cylinder used on machine

(SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1503598	CYLINDER ASSY (Inc. 1, 2, 3, 5 thru 23, 25)	1
B	2516065	*KIT (Inc. 5, 7, 8, 10 thru 12, 14 thru 16, 18)	1
1	18D-10	NUT, Cylinder Cap	4
2	580126	CYLINDER (Inc. 3)	4
3	531584	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	————	§RING, Inner Seal — See B	1
6	1520467	NUT, Piston Rod	1
7	————	§RING, Wear — See B	1
8	————	§RING, Outer Seal — See B	1
9	1502846	PISTON	1
10	————	§RING, Wear — See B	1
11	————	§O-RING, Cylinder Cap — See B	1
12	————	§RING, O-Ring Back-Up — See B	1
13	945115	CAP ASSY, Cylinder (Inc. 11, 12)	1
14	————	§ADAPTER, Male Chevron Packing — See 15	1
15	2501108	PACKING ASSY (Inc. 14, 16)	1
16	————	§ADAPTER, Female Chevron Packing — See 15	1
17	527812	GLAND, Packing	1
18	2516950	SEAL, Piston Rod	1
19	522617	RETAINER, Seal	1
20	————	LOCKWIRE (16 ga. x 13" lg.)	2
21	3C-820	BOLT, Packing Gland	4
22	1520835	ROD ASSY, Piston (Inc. 23)	1
23	531584	BUSHING, Piston Rod	1
24	10H-35	FITTING, Piston Rod Grease	1
25	24C-1072	BOLT, Cylinder Cap	4

§Not Sold Separately
*NOTE: For reference see Service Gram S.G.-597A.



TILT CYLINDER ASSEMBLY — "C" FRAME

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

Item No.	Part No.	Description	No. Req'd.
A	522277	**CYLINDER ASSY (Inc. 1 thru 28)	1
B	2516074	KIT (Inc. 2, 11, 12, 13, 14, 15, 17, 20, 22 thru 25) See Note "C"	1
1	552766	BUSHING, Piston Rod	1
2	941568	WIPER, Piston Rod	1
3	512797	RETAINER, Piston Rod Wiper	1
4	2C-752	BOLT, Cylinder Cap	4
5	945112	*CAP, Cylinder (See Note "A")	1
6	25K-40320	"O" RING, Cylinder Cap	1
7	———	OMIT LKWSHR when rebuilding Cyl.	—
8	18D-07	NUT, Cylinder Cap	4
9	522273	ROD ASSY, Piston (Inc. 1)	1
10	522276	CYLINDER (Inc. 18)	1
11	———	§"O" RING, Piston Rod — See B	1
12	———	§‡SHIM, Piston Packing — See B	—
13	———	§ADAPTER, Female — See B	2
14	———	§PACKING ASSY, Piston — See B (Inc. 13, 15)	1
15	———	§ADAPTER, Male — See B	2
16	517298	NUT, Piston Rod	1
17	1F-540	COTTER, Piston Rod Nut	1
18	552766	BUSHING, Cylinder	1
19	11H-25	FITTING, Cylinder Grease	1
20	———	§RING, Piston Wear — See B	2
21	512789	PISTON — See Note "B"	1
22	———	§ADAPTER, Male Chevron Packing (V-Ring) — See 23	2
23	2501106	PACKING ASSY, Cylinder Cap (Inc. 22, 24)	1
24	———	§ADAPTER, Female Chevron Packing (T-Ring) — See 23	1
25	517581	‡SHIM, Packing Gland	—
26	526451	*GLAND, Packing	1
27	4C-616	BOLT, Wiper Retainer — 3/8" x 1"	4
27A	4C-620	†BOLT, Wiper Retainer — 3/8" x 1"	4
27B	28H-16120	†LOCKWIRE	2
28	10H-25	FITTING, Piston Rod Grease	1

‡As Required

*NOTE: When replacing items 5 or 26 on machines Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC161: G.M. — 2LG101 thru 2LG116 it is necessary that both items be changed at the same time.

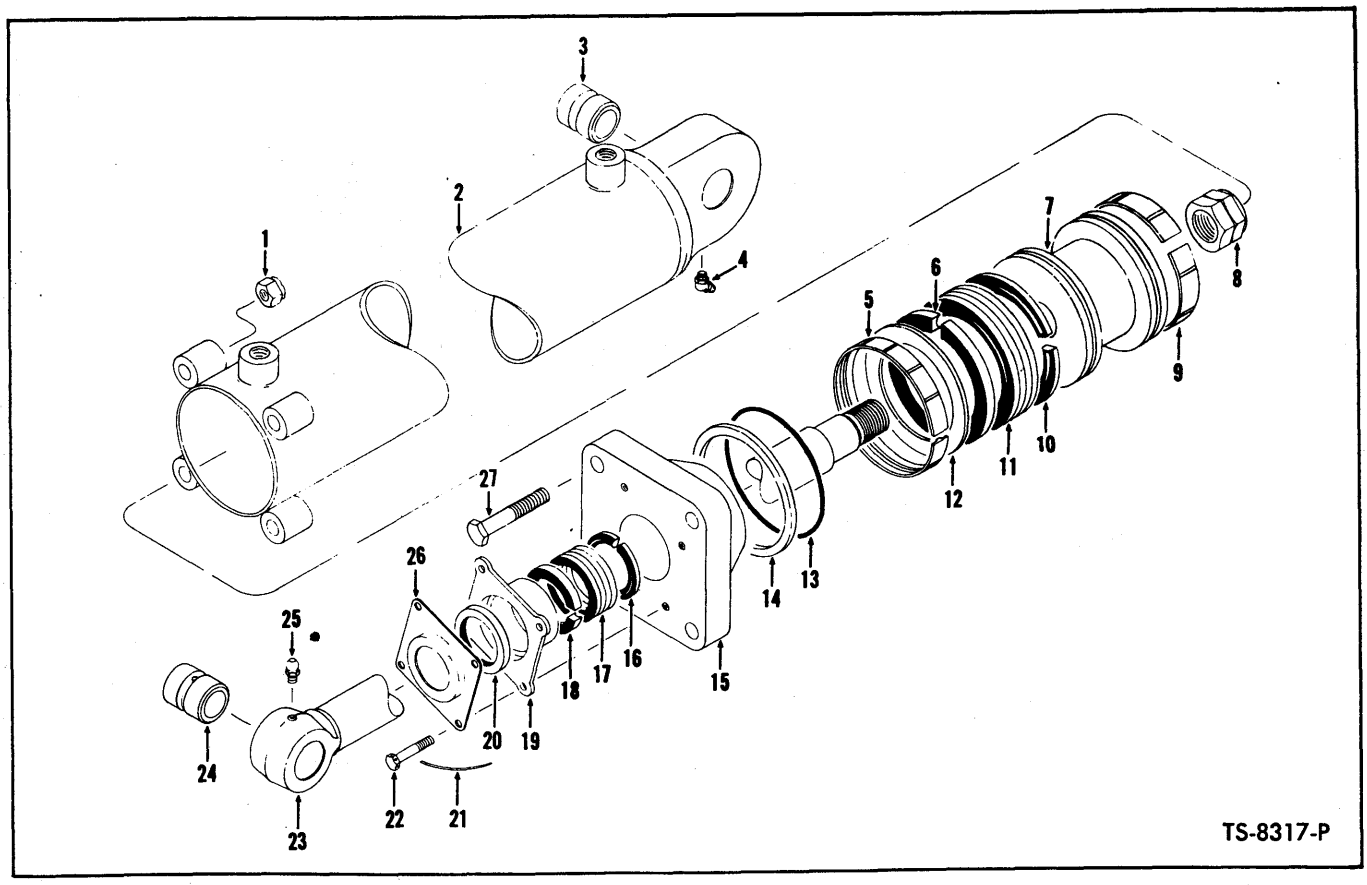
**NOTE: For complete replacement use 1503986.

NOTE "A": 945112 also includes 1—25K-40308 O-Ring & 1—73K-236 Back-Up Ring.

NOTE "B": For replacement use 1503639 Piston plus 1—2516071 Kit.

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

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

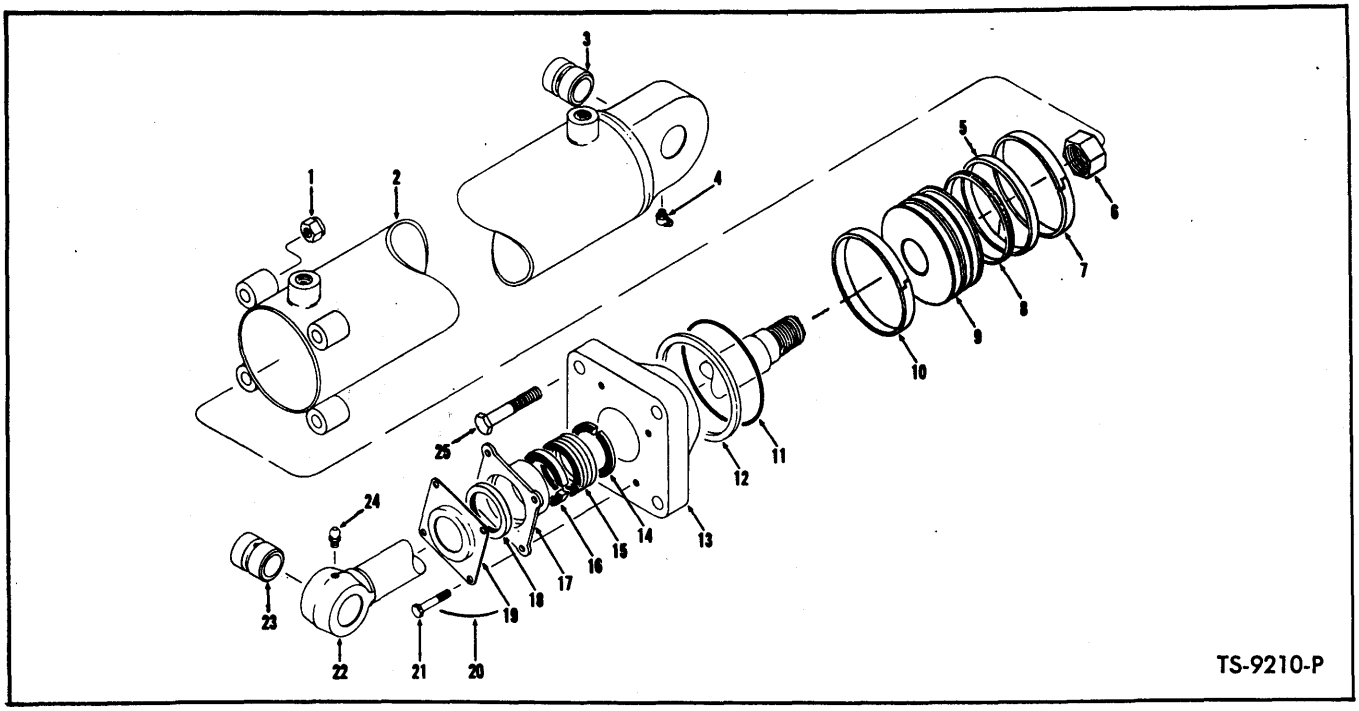


TILT CYLINDER ASSEMBLY – 3½" (SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1520870	*CYLINDER ASSY (Inc. 1 thru 27)	2
B	2516074	KIT (Inc. 5, 6, 9 thru 14, 16 thru 18, 20) See Note "A"	1
		NOTE: 2 Cylinders used on machine – Quantities listed below are for 1 Cylinder	
1	18D-07	NUT, Cylinder Cap	4
2	522276	CYLINDER (Inc. 3)	1
3	552766	BUSHING, Cylinder	1
4	11H-25	FITTING, Cylinder Grease	1
5	———	§RING, Wear – See B	1
6	———	§ADAPTER, Female – See B	2
7	512789	**PISTON	1
8	18D-20	NUT, Piston Rod	1
9	———	§RING, Wear – See B	1
10	———	§ADAPTER, Male – See B	2
11	———	§PACKING ASSY – See B	1
12	———	§‡SHIM – See B	–
13	———	§O-RING, Cylinder Cap – See B	1
14	———	§RING, Back-Up – See B	1
15	945112	CAP, Cylinder (Inc. 13, 14)	1
16	———	§ADAPTER, Male – See 17	2
17	2501106	PACKING ASSY (Inc. 16, 18)	1
18	———	§ADAPTER, Female – See 17	2
19	526451	GLAND, Packing	1
20	941568	WIPER SEAL	1
21	———	LOCKWIRE (16 ga. x 12" lg.)	2
22	4C-620	BOLT, Packing Gland	1
23	1520867	ROD ASSY (Inc. 23)	1
24	552766	BUSHING, Piston Rod	1
25	10H-25	FITTING, Piston Rod Grease	1
26	512797	RETAINER, Wiper Seal	1
27	24C-752	BOLT, Cylinder Cap	4

‡As Required §Not Sold Separately
*NOTE: For complete replacement of 1520870 Cylinder Assembly use 1503986.
**NOTE: For replacement of 512789 use 1503639 Piston plus 1–2516071 Kit.
NOTE "A": For reference see Service Gram S.G.-597A.

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



TILT CYLINDER ASSEMBLY — 3½"

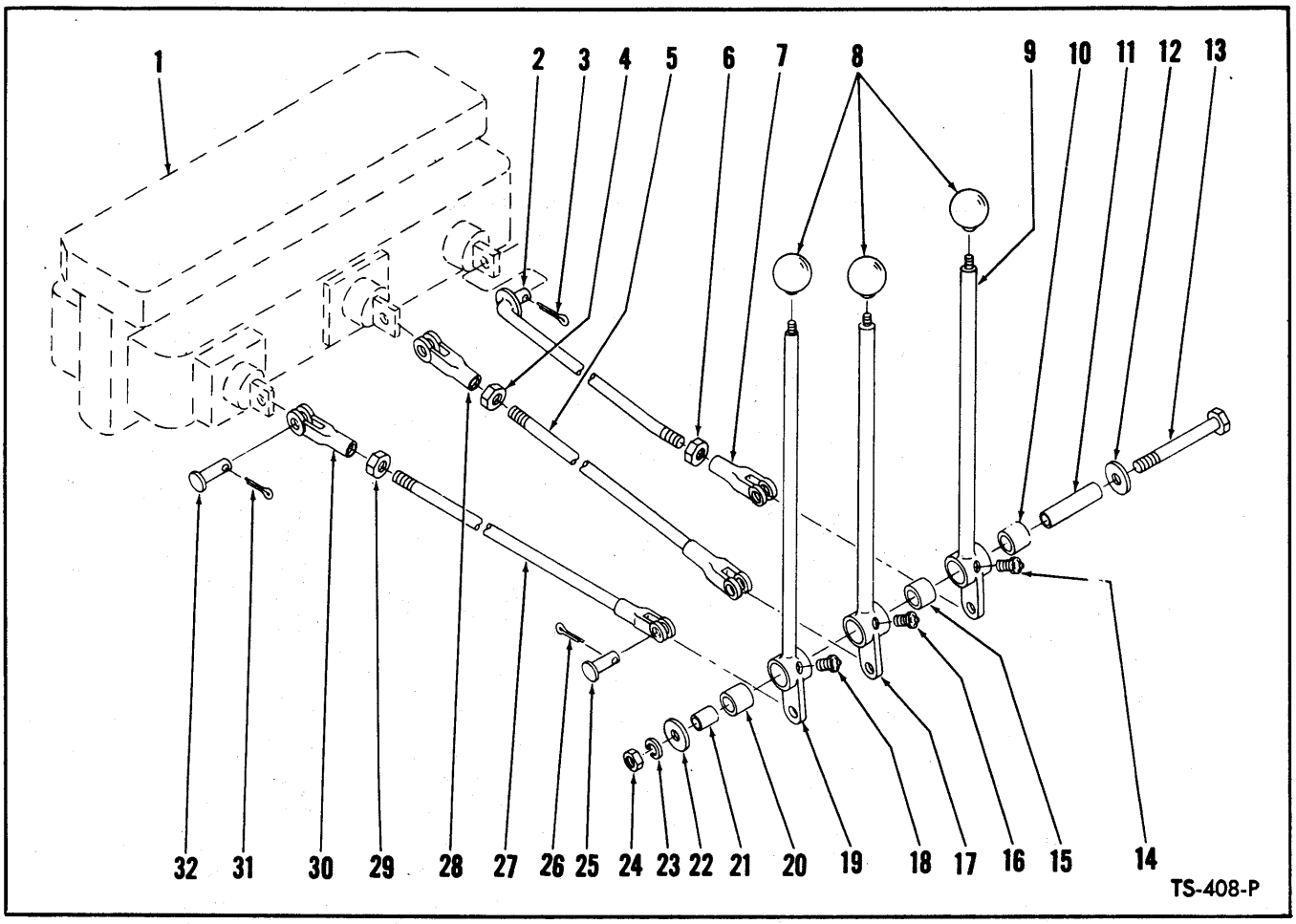
2 Cylinders used on machine — Quantities below are for 1 Cylinder

(SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1503986	CYLINDER ASSY (Inc. 1, 2, 3, 5 thru 22, 23, 25)	1
B	2516071	*KIT (Inc. 5, 7, 8, 10 thru 12, 14 thru 16, 18)	1
1	18D-07	NUT, Cylinder Cap	4
2	522276	CYLINDER (Inc. 3)	1
3	552766	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	———	§RING, Inner Seal — See B	1
6	18D-20	NUT, Piston Rod	1
7	———	§RING, Wear — See B	1
8	———	§RING, Outer Seal — See B	1
9	1503639	PISTON	1
10	———	§RING, Wear — See B	1
11	———	§O-RING, Cylinder Cap — See B	1
12	———	§RING, O-Ring Back-Up — See B	1
13	945112	§CAP ASSY, Cylinder (Inc. 11, 12)	1
14	———	ADAPTER, Male Chevron Packing — See 15	2
15	2501106	§PACKING ASSY (Inc. 14, 16)	1
16	———	ADAPTER, Female Chevron Packing — See 15	2
17	526451	GLAND, Packing	1
18	941568	SEAL, Piston Rod	1
19	512797	RETAINER, Seal	1
20	———	LOCKWIRE (16 ga. x 12" lg.)	2
21	4C-620	BOLT, Packing Gland	4
22	1520867	ROD ASSY, Piston (Inc. 23)	1
23	552766	BUSHING, Piston Rod	1
24	11H-25	FITTING, Piston Rod Grease	1
25	24C-752	BOLT, Cylinder Cap	4

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

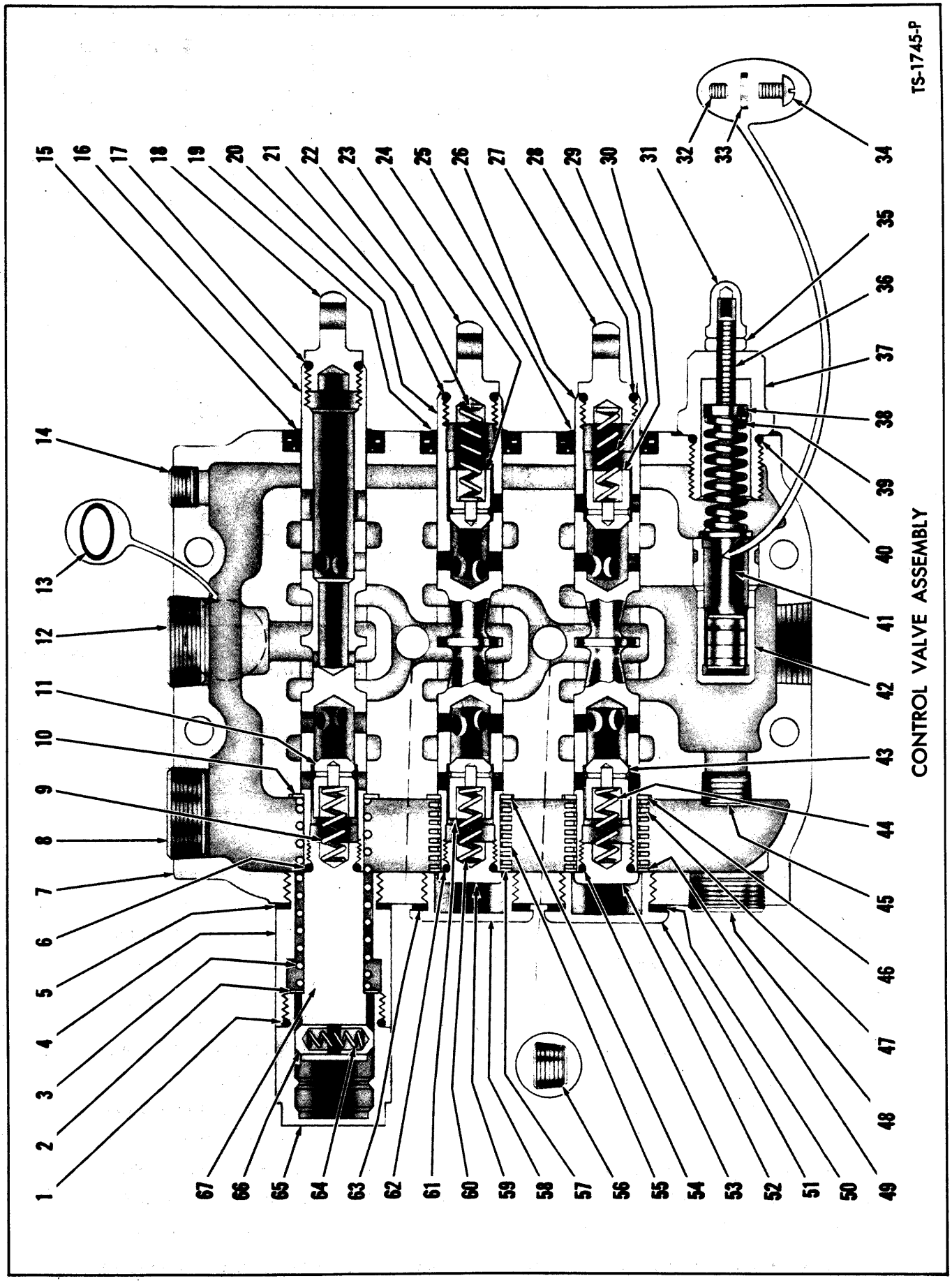
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



VALVE CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.
1	———	CONTROL VALVE — See Index	—
2	525028	ROD, Valve — Tilt	1
3	1F-414	COTTER, Rod to Valve	1
4	8D-08	NUT, Clevis Jam	1
5	525025	ROD, Valve—Pitch	1
6	8D-08	NUT, Clevis Jam	1
7	2J-8300	CLEVIS, Tilt Lever to Rod	1
8	509772	KNOB, Valve Lever	3
9	553542	LEVER, Valve—Tilt	1
10	526767	BUSHING, Tilt Lever	1
11	553525	SLEEVE, Lever Mounting	1
12	616796	WASHER, Lever Mounting	1
13	24C-892	BOLT, Lever Mounting	1
14	10H-25	FITTING, Tilt Lever Grease	1
15	526767	BUSHING, Pitch Lever	1
16	10H-25	FITTING, Pitch Lever Grease	1
17	551444	LEVER, Valve — Pitch	1
18	10H-25	FITTING, Lift Lever Grease	1
19	580163	LEVER, Valve — Lift	1
20	526767	BUSHING, Lift Lever	1
21	550646	SLEEVE, Lever Mounting	1
22	616796	WASHER, Lever Mounting	1
23	OMIT	LKWSHR, Lever Mounting	—
24	18D-08	NUT, Lever Mounting	1
25	4F-08127	PIN, Rod to Lever	3
26	1F-414	COTTER, Rod to Lever Pin	3
27	525022	ROD, Valve — Lift	1
28	2J-8300	CLEVIS, Pitch Rod to Valve	1
29	8D-08	NUT, Clevis Jam	1
30	2J-8300	CLEVIS, Lift Rod to Valve	1
31	1F-414	COTTER, Rod to Lever Pin	2
32	4F-08127	PIN, Clevis to Valve	2

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

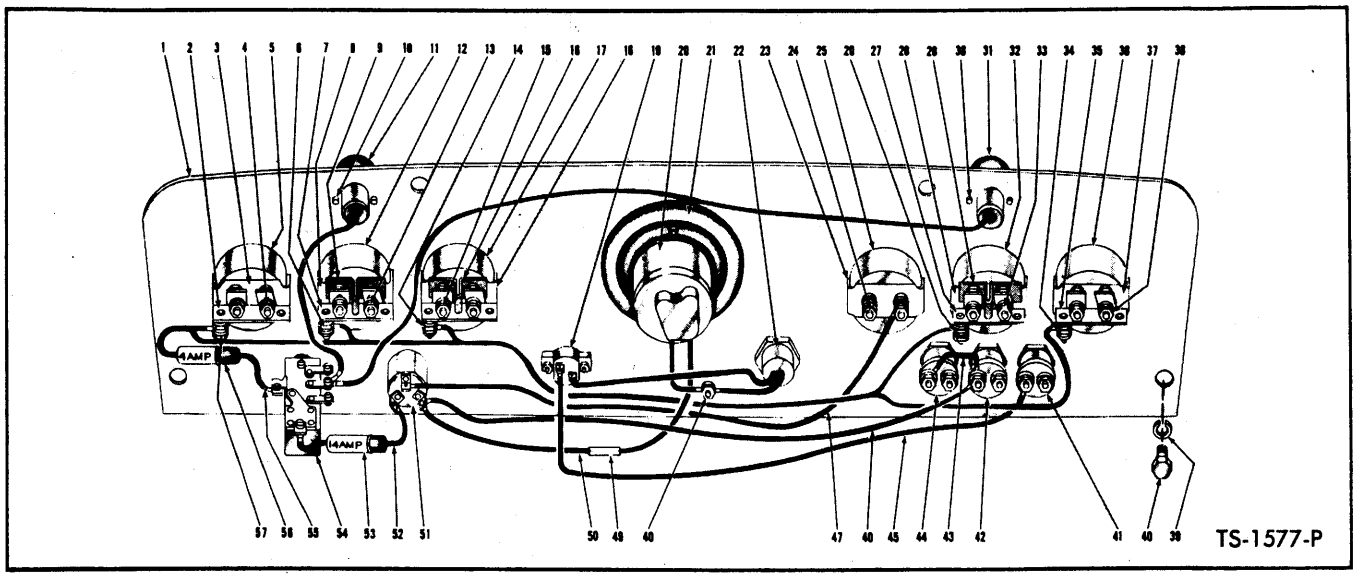

TS-1745-P
CONTROL VALVE ASSEMBLY
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CONTROL VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	525127	VALVE ASSY, Control (Inc. 1 thru 67)	1
1	58K-225	"O" RING, Detent Cap	1
2	616836	WASHER, Plunger Return Spring	1
3	943198	SPRING, Plunger Return	1
4	941462	SLEEVE, Detent	1
5	940102	GASKET, Detent Sleeve	1
6	25K-40028	"O" RING, Plunger	1
7	———	§HOUSING, Valve	1
8	16F-20	PLUG, Housing Cleanout Pipe	1
9	940166	SPRING, Plunger Check Valve	1
10	940165	SPACER, Return Spring	1
11	941463	VALVE, Plunger Check	1
12	16F-20	PLUG, Housing Aux. Discharge Pipe	1
13	25K-40124	"O" RING, Valve to Reservoir	1
14	16F-08	PLUG, Housing Cleanout Pipe	1
15	961811	SEAL, Plunger	1
16	———	PLUNGER	1
17	25K-40028	"O" RING, Plunger	1
18	940279	EYE, Plunger End	1
19	961811	SEAL, Plunger	1
20	———	§PLUNGER	1
21	25K-40028	"O" RING, Plunger	1
22	940166	SPRING, Plunger Check Valve	1
23	940279	EYE, Plunger End	1
24	941463	VALVE, Plunger Check	1
25	961811	SEAL, Plunger	1
26	———	§PLUNGER	1
27	940279	EYE, Plunger End	1
28	25K-40028	"O" RING, Plunger	1
29	940166	SPRING, Plunger Check Valve	1
30	941463	VALVE, Plunger Check	1
31	863045	NUT, Relief Valve Acorn	1
32	15G-508	SCREW, Relief Seat Set	1
33	863053	GASKET	1
34	863052	SCREW, Relief Seat Lock	1
35	8D-06	NUT, Relief Valve Jam	1
36	940278	SCREW, Relief Valve Adjustment	1
37	940277	CAP, Relief Spring	1
38	940160	GUIDE, Relief Spring	1
39	940099	SPRING, Relief	1
40	25K-40108	"O" RING, Relief Spring Cap	1
41	940098	PLUNGER, Relief	1
42	940097	SEAT, Relief Plunger	1
43	941463	VALVE, Plunger Check	1
44	940166	SPRING, Plunger Check Valve	1
45	16F-12	PLUG Housing Relief Pipe	1
46	940165	SPACER, Return Spring	1
47	940167	SPRING, Plunger Return	1
48	16F-20	PLUG, Housing Pipe	1
49	940165	SPACER, Return Spring	1
50	940102	GASKET, Housing Cap	1
51	940273	CAP, Housing	1
52	940274	CAP, Plunger	1
53	25K-40028	"O" RING, Plunger	1
54	940165	SPACER, Return Spring	1
55	940167	SPRING, Plunger Return	1
56	16F-08	PLUG, Housing Pipe	2
57	940165	SPACER, Return Spring	1
58	940273	CAP, Housing	1
59	940274	CAP, Plunger	1
60	940166	SPRING, Plunger Check Valve	1
61	941463	VALVE, Plunger Check	1
62	25K-40028	"O" RING, Plunger	1
63	940102	GASKET, Housing Cap	1
64	941466	SPRING, Detent Poppet	1
65	941461	CAP, Housing Detent	1
66	941465	POPPET, Detent	2
67	941464	CAP, Detent Poppet	1
68	2C-872	†BOLT, Valve to Reservoir	3
69	4E-08	†LKWSHR, Valve to Reservoir	3

†Not Illustrated
§Not Sold Separately

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



INSTRUMENT PANEL ASSEMBLY — CUMMINS

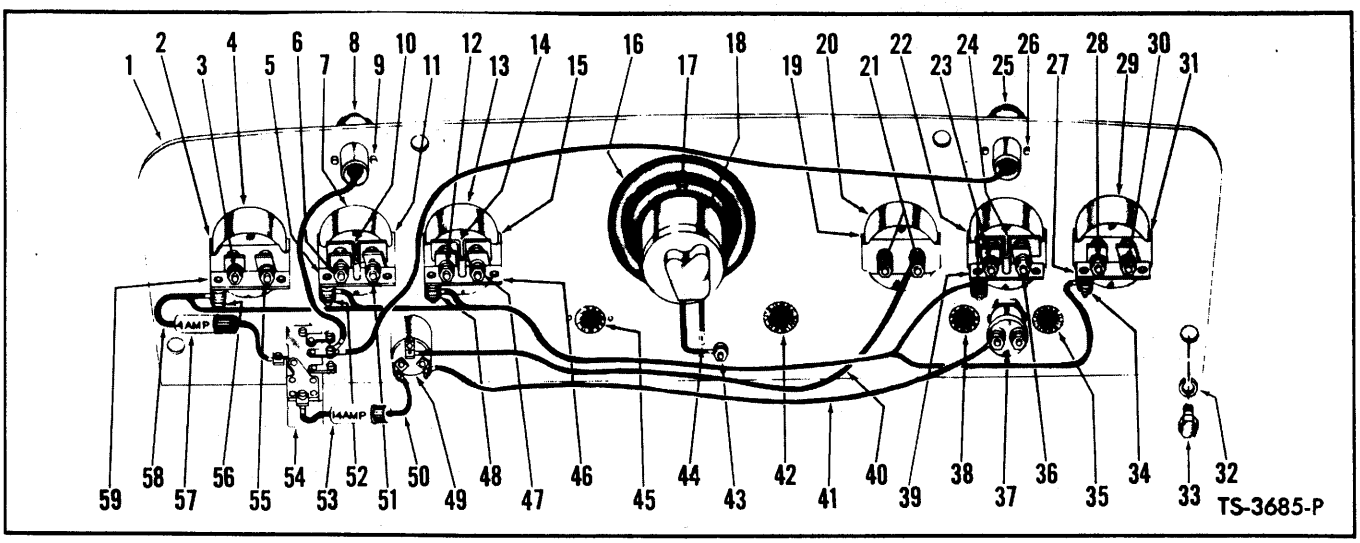
Item No.	Part No.	Description	No. Req'd.
1	525464	PANEL, Instrument	1
2	525374	ADAPTER, Voltage	1
3	626530	CLAMP, Instrument	1
4	12D-8	NUT	3
4A	12E-8	LKWSHR	2
5	551321	GAUGE, Torque Conv. Temperature	1
6	14D-10	NUT	2
6A	12E-10	LKWSHR	1
7	551254	§ADAPTER, Voltage—See Note "C"	1
8	626530	CLAMP, Instrument	1
9	602350	SEPARATOR, Terminal	1
10	18G-606	SCREW	2
10A	12E-6	†LKWSHR	2
11	551499	LAMP, Dash — See Note "A"	1
12	517228	GAUGE, Air Pressure — See Note "C"	1
13	12D-8	NUT	3
13A	12E-8	LKWSHR	2
14	14D-10	NUT	2
14A	12E-10	LKWSHR	1
15	12D-8	NUT	3
15A	12E-8	LKWSHR	2
16	602350	SEPARATOR	1
17	551320	GAUGE, Fuel	1
17A	551254	§†ADAPTER, Voltage—See Note "C"	1
18	626530	CLAMP	1
19	———	*BREAKER, Circuit, Cummins #108102	1
19A	3G-810	†SCREW, Circuit Breaker to Panel	2
20	525589	**HOURMETER	1
21	551251	DAMPENER, Vibration	1
21A	3G-604	†SCREW, Vibration Dampener	3
21B	12E-6	†LKWSHR, Vibration Dampener	3
22	———	*LIGHT, Indicator, Cummins #115007	1
22A	614136	†TERMINAL, Indicator Light	2
22B	614142	†SLEEVE, Indicator Light	2
23	601212	CLAMP, Ammeter	1
24	14D-10	NUT	4
24A	12E-10	LKWSHR	2
25	550735	AMMETER	1
26	14D-10	NUT	2
26A	12E-10	LKWSHR	1
27	551254	§ADAPTER, Voltage—See Note "C"	1
28	626530	CLAMP, Instrument	1
29	602350	SEPARATOR, Terminal	1
30	18G-606	SCREW	2
30A	12E-6	†LKWSHR	2
31	525502	LAMP, Dash — See Note "B"	1
32	523372	GAUGE, Engine Oil Pressure	1
33	12D-8	NUT	3
33A	12E-8	LKWSHR	2
34	14D-10	NUT	2
34A	12E-10	LKWSHR	1
35	525374	ADAPTER, Voltage	1
36	551320	GAUGE, Engine Temperature	1
37	626530	CLAMP, Instrument	1
38	12D-8	NUT	3
38A	12E-8	LKWSHR	2
39	4E-06	LKWSHR	4
40	2C-610	BOLT	4
41	600259	BUTTON, Glow Plug Push	1
42	600259	SWITCH, Fuel	1
43	675682	WIRE, Fuel Switch to Starter Button	1
44	600259	BUTTON, Starter Push	1
45	525578	WIRE, Circuit Breaker to Glow Plug Button	1
46	553620	WIRE, Key Switch to Starter Button	1
47	525578	WIRE, Key to Ammeter	1
48	3G-1010	SCREW, Ground Wire to Panel	1
48A	12D-10	NUT	1
48B	17E-10	LKWSHR	1
49	602355	CONNECTOR, Wire	1
50	652753	WIRE, Key Switch to Hourmeter	1
51	573548	SWITCH, Key	1
52	552942	WIRE	1
53	661555	FUSE, 14 Amp Line	1
54	2514253	SWITCH, Light — See Note "D"	1
54A	550742	†ROD, Light Switch	1
54B	550743	†BUSHING, Light Switch	1
55	525501	WIRE	1
56	661556	FUSE, 4 Amp Line	1
57	14D-10	NUT	2
57A	12E-10	LKWSHR	1

†Not Illustrated *NOTE: Your local authorized Cummings distributor is equipped to service and supply these parts.

**NOTE: For replacement of 525589 Hourmeter use 784700 plus 1—556952 Wire & 1—556953 Wire.

NOTE "A": For replacement of 551499 Lamp use 574276 plus 1—945055 Bulb & 1—574275 Tab.

NOTE "B": For replacement of 525502 Lamp use 1—946282 plus 1—945055 Bulb. NOTE "C": For replacement refer to Service Gram S.G.-326B. NOTE "D": For replacement the mounting hole must be enlarged to .4688.



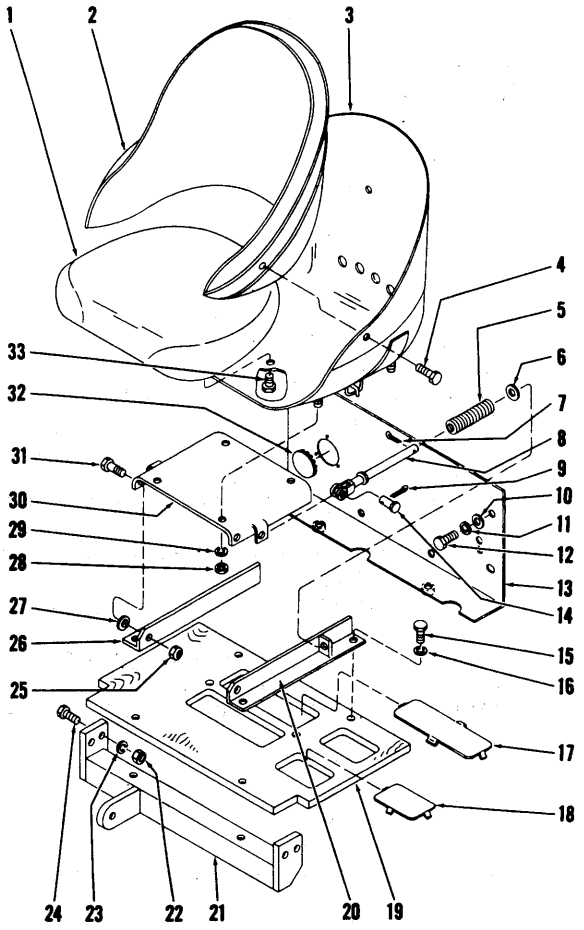
INSTRUMENT PANEL ASSEMBLY — G.M.

Item No.	Part No.	Description	No. Req'd.
1	525464	PANEL, Instrument	1
2	626530	CLAMP, Instrument	1
3	12D-8	NUT	2
3A	12E-8	†LKWSHR	1
4	551321	GAUGE, Torque Conv. Temperature	1
5	551254	§ADAPTER, Voltage — See Note "B"	1
6	12D-8	NUT	2
6A	12E-8	†LKWSHR	1
7	517228	GAUGE, Air Pressure—See Note "B"	1
8	551499	DASH LAMP — See Note "A"	1
9	18G-606	SCREW, Dash Lamp	2
9A	12E-6	†LKWSHR, Dash Lamp	2
10	602350	SEPARATOR, Terminal	1
11	626530	CLAMP, Instrument	1
12	12D-8	NUT	2
12A	12E-8	†LKWSHR	1
13	551320	GAUGE, Fuel	1
14	602350	SEPARATOR, Terminal	1
15	626530	CLAMP, Instrument	1
16	551251	DAMPENER, Vibration	1
17	3G-604	SCREW, Vibration Dampener to Panel	3
17A	12E-6	†LKWSHR, Vib. Dampener to Panel	3
18	525589	*HOURMETER	1
19	601212	CLAMP, Instrument	1
20	550735	AMMETER	1
21	14D-10	NUT	4
21A	12E-10	†LKWSHR	2
22	523372	GAUGE, Engine Oil Pressure	1
22A	626530	CLAMP, Instruments	1
23	12D-8	NUT	2
23A	12E-8	†LKWSHR	1
24	602350	SEPARATOR, Terminal	1
25	525502	**LAMP, Dash	1
26	18G-606	SCREW, Dash Lamp	2
26A	12E-6	†LKWSHR, Dash Lamp	2
27	525374	ADAPTER, Voltage	1
28	12D-8	NUT	2
28A	12E-8	†LKWSHR	1
29	551322	GAUGE, Engine Temp. — See Note "B"	1
30	14D-10	NUT	2
30A	12E-10	†LKWSHR	1
31	626530	CLAMP, Instrument	1
32	4E-06	LKWSHR	4
33	2C-610	BOLT, Panel to Shroud	4
34	12D-8	NUT	1
34A	12E-8	†LKWSHR	1
35	696073	BUTTON, Plug	1
36	14D-10	NUT	2
36A	12E-10	†LKWSHR	1
37	600259	BUTTON, Starter Push	1
38	696073	BUTTON, Plug	1
39	551254	§ADAPTER, Voltage—See Note "B"	1
40	525578	WIRE, Ignition Switch to Ammeter	1
41	553620	WIRE, Ignition Switch to Starter Button	1
42	525591	BUTTON, Plug	1
43	3G-1010	SCREW, Hourmeter Ground Wire to Panel	1
43A	12D-10	†NUT, Hourmeter Ground Wire to Panel	1
43B	17E-10	†LKWSHR, Hourmeter Ground Wire to Panel	1
44	602297	TERMINAL, Hourmeter Wire Tip	1
45	696073	BUTTON, Plug	1
46	551254	§ADAPTER, Voltage—See Note "B"	1
47	14D-10	NUT	2
47A	12E-10	†LKWSHR	1
48	12D-8	NUT	1
48A	12E-8	†LKWSHR	1
49	573548	SWITCH, Ignition	1
50	552942	WIRE, Ignition Switch to Light Switch	1
51	14D-10	NUT	2
51A	12E-10	†LKWSHR	1
52	12D-8	NUT	1
52A	12E-8	†LKWSHR	1
53	661556	FUSE, 14 Amp	1
54	2514253	LIGHT SWITCH—See Note "C"	1
54A	550742	†ROD, Light Switch	1
54B	550743	†BUSHING, Light Switch	1
55	14D-10	NUT	2
55A	12E-10	†LKWSHR	1
56	12D-8	NUT	1
56A	12E-8	†LKWSHR	1
57	661555	FUSE, 4 Amp	1
58	525501	WIRE, Light Switch to Gauge	1
59	525374	ADAPTER, Voltage	1

NOTE "A": For replacement of 551499 Lamp use 1—574276 plus 1—945055 Bulb & 1—574275 Tab. †Not Illustrated
NOTE "B": For replacement refer to Service Gram S.G.-326B.
NOTE "C": For replacement the mounting hole must be enlarged to .4688. §Not Sold Separately
*NOTE: For replacement of 525589 Hourmeter use 1—784700 plus 1—556952 & 556953 Wire.
**NOTE: For replacement of 525502 Lamp use 946282 Lamp plus 1—945055 Bulb.

BUCKET SEAT ASSEMBLY — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC156



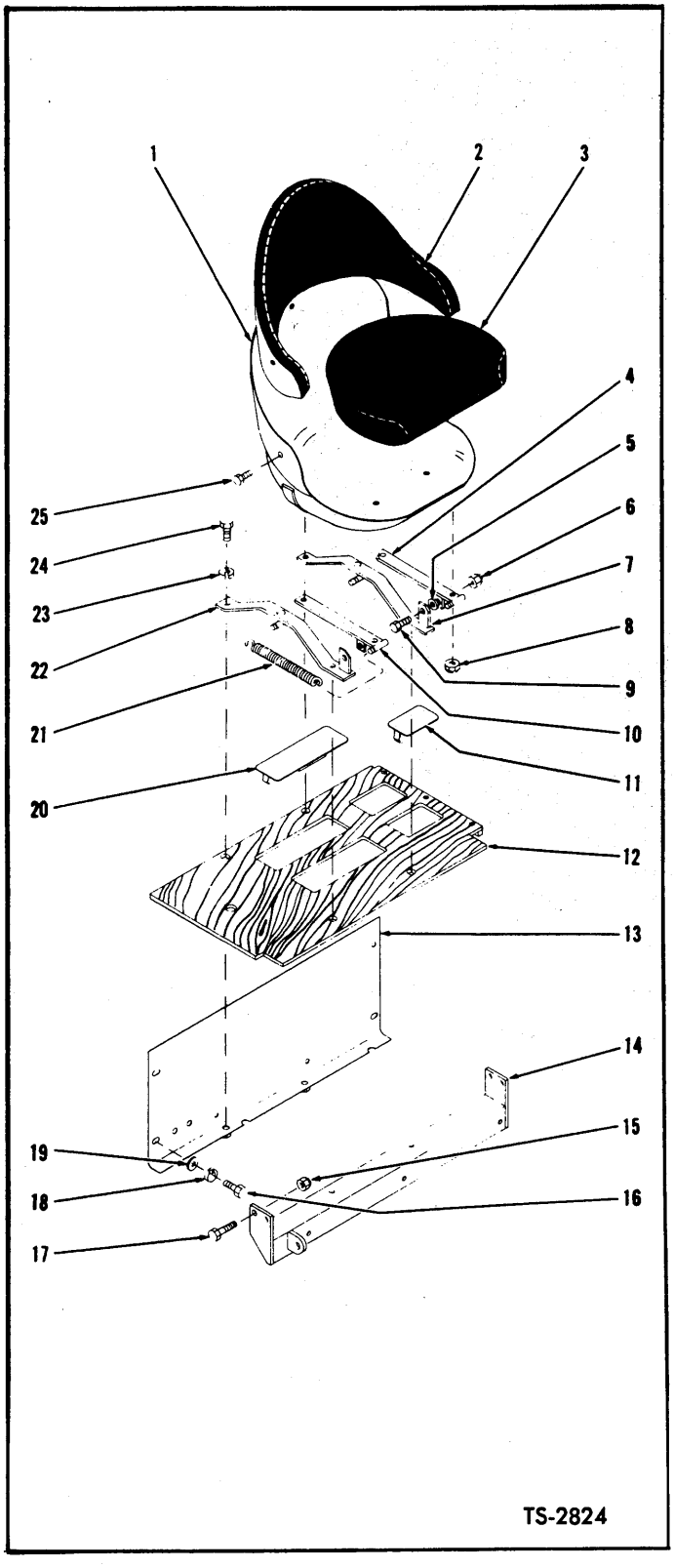
TS-1623-P

Item No.	Part No.	Description	No. Req'd.
A	1572355	SEAT ASSY, Bucket (Inc. 1, 2, 3, 4, 33)	1
1	944499	CUSHION, Seat	1
2	944498	CUSHION, Back-Rest	1
3	944497	BUCKET, Seat	1
4	1C-610	BOLT, Back-Rest Cushion Attaching	3
5	553396	SPRING, Guide Rod	2
6	553397	WASHER, Spring Retaining	2
7	1F-616	COTTER, Guide Rod	2
8	553398	ROD, Seat Guide	2
9	1F-312	COTTER, Clevis Pin	2
10	25E-15	WASHER, Support Plate to Frame	2
11	4E-08	LKWSHR, Support Plate to Frame	4
12	2C-814	BOLT, Support Plate to Frame	4
13	525429	PLATE, Seat Support	1
14	4F-08127	PIN, Guide Rod to Trip Plate	2
15	1C-824	BOLT, Bracket & Cover to Support	4
16	4E-08	LKWSHR, Bracket & Cover to Support	4
17	551367	COVER, Battery Inspection	2
18	551369	COVER, Battery Inspection	2
19	539221	COVER, Seat Support	1
20	517130	BRACKET, Seat—L.H.	1
21	551361	ANGLE, Seat	1
22	2D-08	NUT, Seat Angle to Frame	4
23	4E-08	LKWSHR, Seat Angle to Frame	4
24	2C-840	BOLT, Seat Angle to Frame	4
25	18D-07	NUT, Bracket to Trip Plate	2
26	517131	BRACKET, Seat — R.H.	1
27	657669	WASHER, Bracket to Trip Plate	2
28	8D-05	NUT, Seat Attaching	4
29	4E-05	LKWSHR, Seat Attaching	4
30	517134	PLATE, Seat Trip	1
31	2C-724	BOLT, Bracket to Trip Plate	2
32	641282	BUTTON, Support Plate Plug	1
33	1C-610	BOLT, Seat Cushion Attaching	2

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

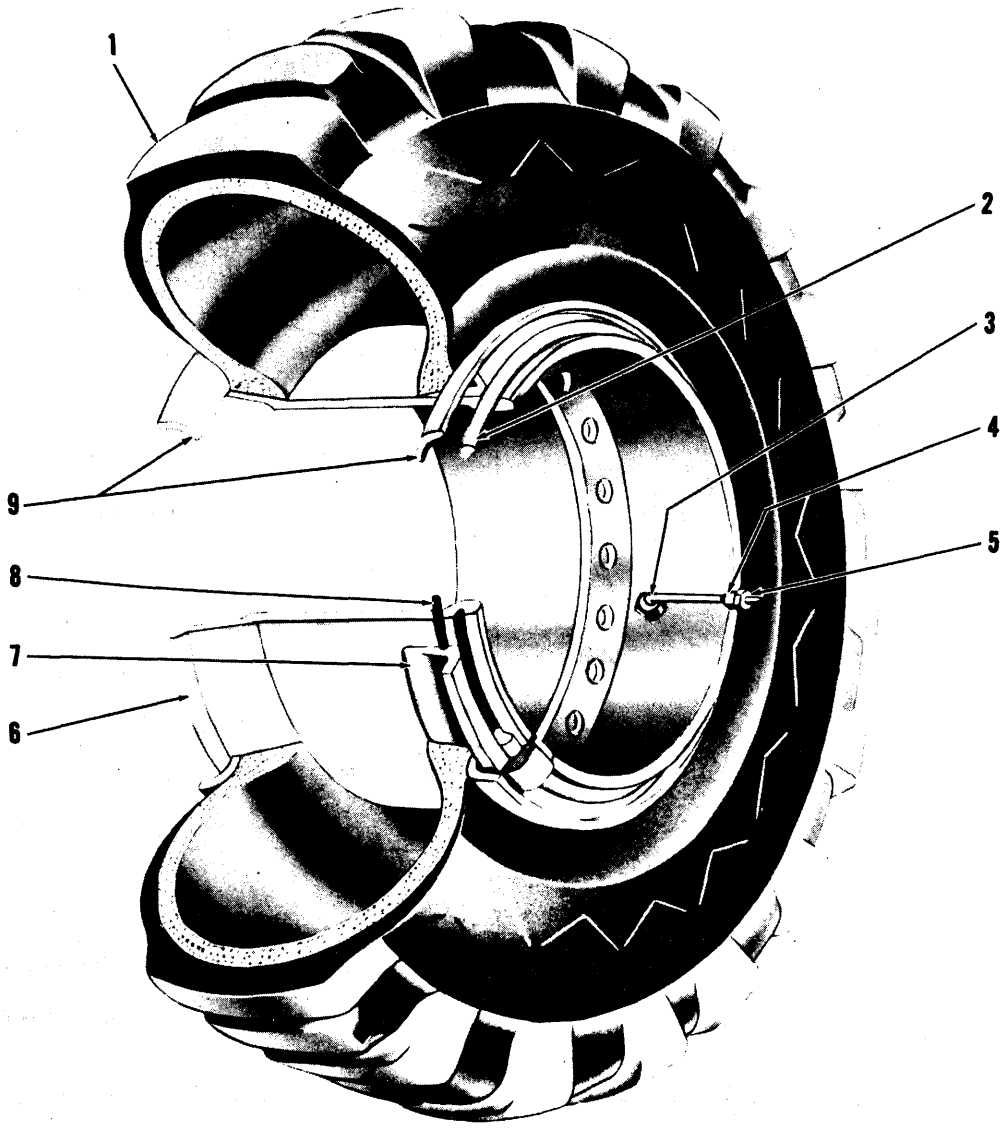
BUCKET SEAT ASSEMBLY

For Serial: CUMMINS — 2LC157 thru 2LC999
G.M. — 2LG101 thru 2LG999



Item No.	Part No.	Description	No. Req'd.
A	1572355	SEAT ASSY (Inc. 1, 2, 3, 8, 25)	1
1	944497	BUCKET, Seat	1
2	944498	CUSHION, Back Rest	1
3	944499	CUSHION, Seat	1
4	509684	HANGER, Seat	1
5	25E-19	WASHER, Hanger to Support	2
6	18D-07	NUT, Hanger to Support	2
7	509690	SUPPORT, Seat	1
8	18D-05	NUT, Seat to Hanger	4
9	2C-724	BOLT, Hanger to Support	2
10	509684	HANGER, Seat	1
11	551369	COVER, Battery Service	2
12	539310	COVER, Battery	1
13		*PLATE, Seat Support*	
13A	539308	For Cummins Powered Machines	1
13B	541842	For G.M. Powered Machines	1
14	539305	ANGLE, Seat Mounting	1
15	18D-08	NUT, Angle to Frame	4
16	2C-828	BOLT, Plate to Frame	4
17	2C-840	BOLT, Angle to Frame	4
18	4E-08	LKWSHR, Plate to Frame	4
19	25E-15	WASHER, Plate to Frame	3
20	551367	COVER, Battery Service	2
21	550301	SPRING, Seat Return	2
22	509690	SUPPORT, Seat	1
23	4E-08	LKWSHR, Support to Plate & Angle	4
24	1C-824	BOLT, Support to Plate & Angle	4
25	1C-610	BOLT, Cushions to Seat Bucket	5

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



TS-1610-P

WHEEL AND TIRE DATA

23.5 x 25 — TUBELESS

Item No.	Part No.	Description	No. Req'd.
1	———	TIRE	4
2	580274	RING, Lock	4
3	509445	VALVE STEM ASSY (Inc. 4, 5)	4
4	551684	ADAPTER, Valve Stem	4
5	551685	CAP, Valve Stem	4
6	509440	*WHEEL	4
7	553956	BAND, Bead Seat	4
8	580278	"O" RING	4
9	551341	FLANGE	8
10	531112	†STEM, Water Filling (Inc. 11, 12, 13)	4
11	531111	†CAP, Water Filling Stem	4
12	529605	†NUT, Water Filling Stem Lock	4
13	529606	†GROMMET, Water Filling Stem	4

*NOTE: When 509440 wheel is installed in place of 553872, one 531112 Water Filling Stem must be used.
†Not Illustrated

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

WIRING AND BATTERY CABLES — CUMMINS

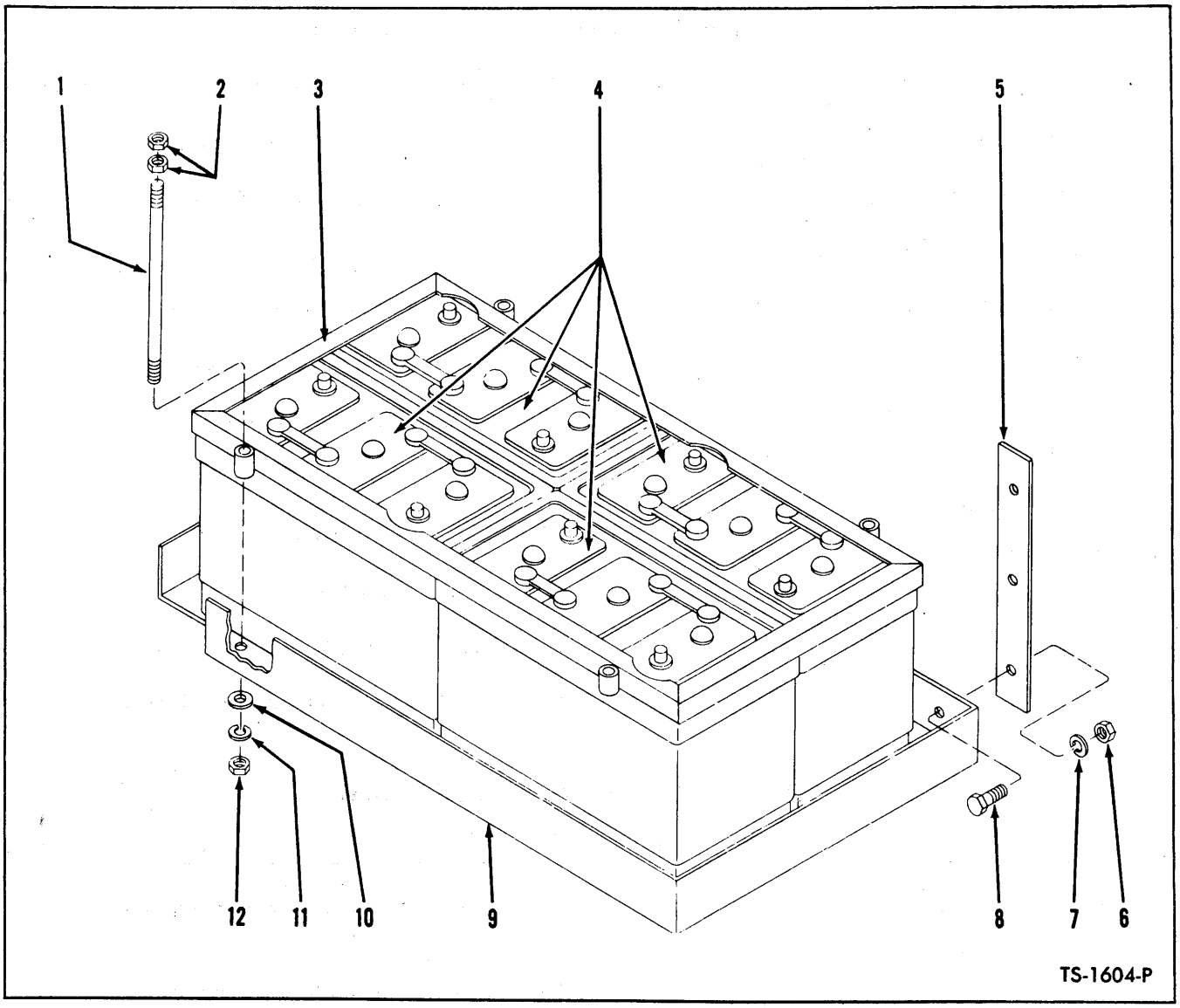
Item No.	Part No.	Description	No. Req'd.
1	541169	HARNESS, Main Wiring	1
2	541170	HARNESS, Generator & Reg. Wiring	1
3	541171	WIRE, Tail Lamp Jumper	1
4	541172	WIRE, Horn Relay to Battery	1
5	541173	WIRE, Light Switch to Head Lamp	1
6	3G-808	SCREW, Head Lamp Ground Wire	2
7	12D-8	NUT, Head Lamp Ground Wire	2
8	13E-8	LKWSHR, Head Lamp Ground Wire	2
9	535369	WIRE, Fuel Gauge to Sender Unit	1
10	695120	WIRE, Steering Column to Horn Relay	1
11	550855	*WIRE, Horn Relay to Horn	1
11A	557438	*WIRE, Horn Relay to Horn	1
12	527836	WIRE, Fuel Press. Switch to Solenoid	1
13	550846	CABLE, Battery Connector	3
14	550827	CABLE, Battery to Ground	1
15	531204	CABLE, Battery to Solenoid	1
16	550828	CABLE, Starter Ground	1
17	18C-628	BOLT, Starter Ground Cable	1
18	18D-06	NUT, Starter Ground Cable	1
19	4E-06	LKWSHR, Starter Ground Cable	1
20	550910	GROMMET, Rubber	1
21	550853	WIRE, Back-up Lamp Jumper	1
22	550745	WIRE, Back-up Lamp Ground	2

WIRING AND BATTERY CABLES — G.M.

Item No.	Part No.	Description	No. Req'd.
23	540887	HARNESS, Main Wiring	1
24	541171	WIRE, Tail Light Jumper	1
25	541172	WIRE, Horn Relay to Battery	1
26	541173	WIRE, Light Switch to Headlight	1
27	535369	WIRE, Fuel Gauge to Tank	1
28	695120	WIRE, Steering Column to Horn Relay	1
29	550855	*WIRE, Horn Relay to Horn	1
29A	557438	*WIRE, Horn Relay to Horn	1
30	551879	WIRE, Voltage Regulator to Ground	1
31	526293	WIRE, Oil Pressure Switch to Solenoid	1
32	541859	WIRE, Generator to Regulator — Armature	1
33	541860	WIRE, Generator to Regulator — Field	1
34	541861	WIRE, Generator to Regulator — Ground	1
35	550846	CABLE, Battery Connector	3
36	550827	CABLE, Battery Ground	1
37	540943	CABLE, Battery to Solenoid	1
38	550828	CABLE, Starter Ground	1
39	18C-620	BOLT, Starter Ground Cable	1
40	18D-06	NUT, Starter Ground Cable	1
41	550910	GROMMET, Rubber	1
42	3G-808	SCREW, Headlight Ground Wire	2
43	12D-8	NUT, Headlight Ground Wire	2
44	13E-8	LKWSHR, Headlight Ground Wire	2

*NOTE: 550855 is used with 647300 & 557438 is used with 733624 Horn. 733624 Horn has a permanent mounting bracket for identification.

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



BATTERY AND BATTERY BOX

Item No.	Part No.	Description	No. Req'd.
1	600183	STUD, Hold Down Cover	4
2	1D-05	NUT, Hold Down Cover Stud	8
3	550367	COVER, Battery Hold Down	1
4	————	BATTERY — EXIDE #XF-19	4
5	550364	STRAP, Battery Box Support	2
6	18D-06	NUT, Strap Attaching	6
7	OMIT	LKWSHR, Strap Attaching	—
8	18C-614	BOLT, Strap Attaching	6
9	550363	BOX, Battery	1
10	25E-15	WASHER, Hold Down Cover Stud	4
11	4E-05	LKWSHR, Hold Down Cover Stud	4
12	1D-05	NUT, Hold Down Cover	4

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

HORN AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
1	647300	*HORN	1
2	621279	BRACKET, Horn Attaching	1
3	18D-04	NUT, Horn to Bracket	2
4	2C-622	BOLT, Bracket to Frame	1
5	18D-06	NUT, Bracket to Frame	1
6	647310	RELAY, Horn	1

*NOTE: For replacement of 674300 Horn use 733624 Horn plus 1 — 557438 Horn to Relay Wire.

LIGHTS AND MOUNTING PARTS

Item No.	Part No.	Description	No. Req'd.
1	551291	*LAMP ASSY, Head (Inc. 2)	2
1A	551293	CLIP, Seal-Beam Retaining	4
2	551244	SEALED UNIT, Head Lamp	2
3	551282	**LAMP ASSY, Back-Up (Inc. 4)	2
3A	551293	CLIP, Seal-Beam Retaining	4
4	551245	SEALED UNIT, Back-Up Lamp	2
5	12D-8	NUT, Back-Up Lamp to Plate	6
6	12E-8	LKWSHR, Back-Up Lamp to Plate	6
7	5203855	TAIL LAMP	1
8	551315	BRACKET, Tail Lamp — R.H.	1
9	551314	BRACKET, Tail Lamp — L.H.	1
10	1C-620	BOLT, Bracket Attaching	4
11	4E-06	LKWSHR, Bracket Attaching	4
12	4E-04	LKWSHR, Tail Lamp to Bracket	2
13	1D-04	NUT, Tail Lamp to Bracket	2
14	550910	GROMMET, Lamp Attaching — Rubber	2
15	17D-1	NUT, Lamp Attaching	2
16	25E-14	WASHER, Lamp Attaching	2

*NOTE: For replacement of 551291 Lamp use 1—945962 Lamp Kit. 945962 consists of 1—582057 Lamp, 3—12E-10 Lockwashers, 3—12D-10 Nuts & 1—002129 Template. The serviceable items of 582057 Lamp are 1—521244 Sealed Beam & 1—944977 Frame & Retainer.
**NOTE: For replacement of 551282 Lamp use 1—945960 Lamp Kit. 945960 consists of 1—547416 Lamp, 3—12E-10 Lockwashers, 3—12D-10 Nuts & 1—002128 Template. The serviceable items of 547416 are 1—551245 Sealed Beam & 1—944976 Frame & Retainer.

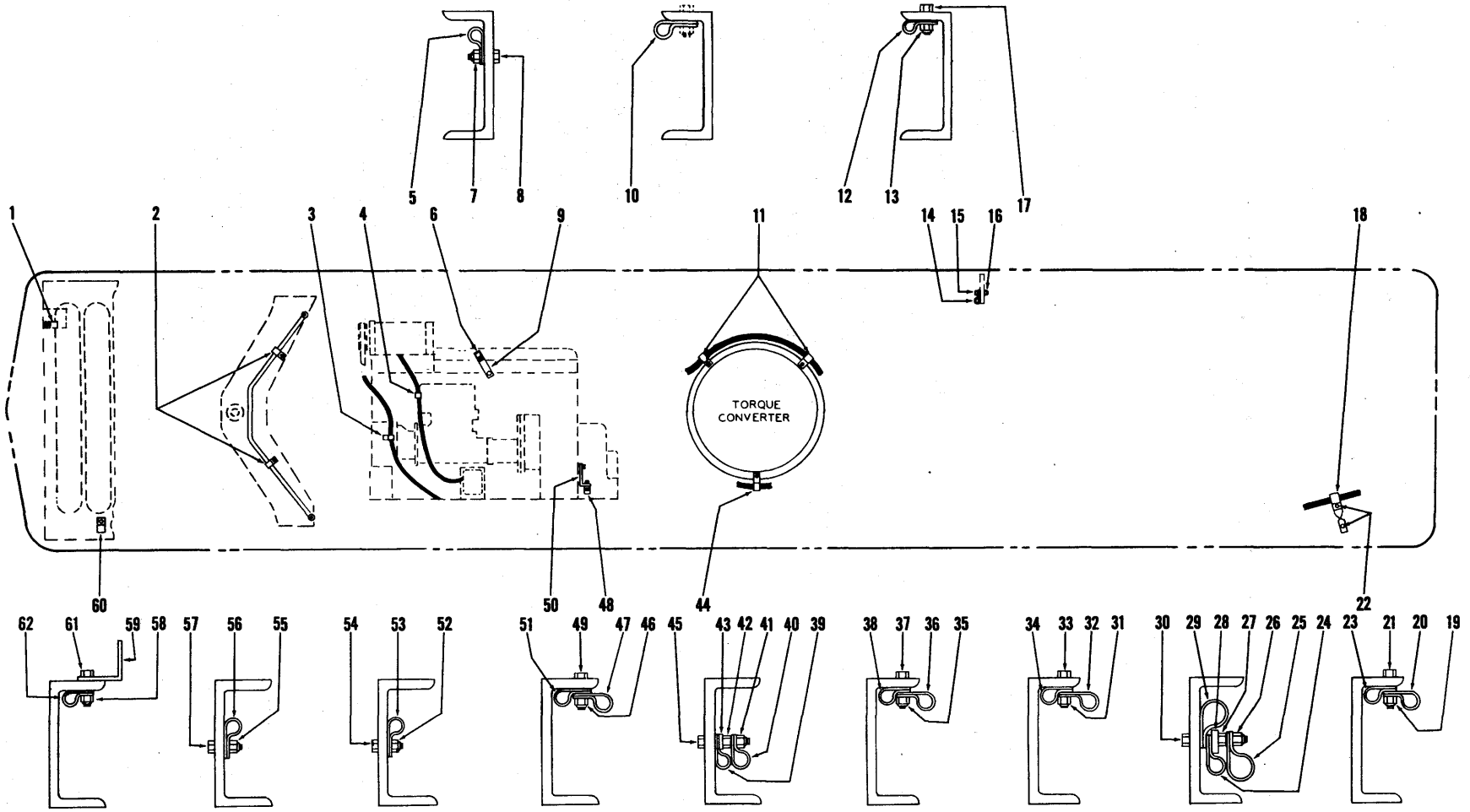
DECALS

Item No.	Part No.	Description	No. Req'd.
1	548474	DECAL, Gear Shift	1
2	548520	DECAL, Torque Conv. — On Inst. Panel	1
3	548521	DECAL, Glow Plug Button	1
4	548472	DECAL, Reservoir & Trans. Oil Level	2
5	538256	DECAL, Transmission	1
6	548473	DECAL, Torque Converter Fill	1
7	547852	DECAL, Michigan	2
8	547851	DECAL, Clark Equipment	2
9	548388	DECAL, Model 180	2
10	542074	PLATE, Patent	1
10A	6C-605	SCREW, Patent Plate	4
11	548590	DECAL, Cold Starting Procedure — Cummins	1
12	543921	DECAL, Max. Tire Inflation	1
13	548530	DECAL, Fuel Switch Button — Cummins	1
14	548522	DECAL, Engine Shut Down — Cummins	1
15	548475	DECAL, Trans. Oil Filter	2
16	538258	DECAL, Starter	1
17	943879	STENCIL, Michigan	1

TOOLS

Item No.	Part No.	Description	No. Req'd.
1	711264	WRENCH, Wheel	1
2	552164	HANDLE, Wheel Wrench	1
3	552170	WRENCH, Hub Bearing (3 13/16" Hex)	1
3A	541908	WRENCH, Hub Bearing (4 3/16" Hex)	1
4		*RING, Packing Compressor*	
4A	953068	For Lift & Pitch Cylinders	1
4B	519324	For Steering & Tilt Cylinder	1
5		*SLEEVE, Piston Rod Wiper Taper*	
5A	953066	For Lift & Pitch Cylinders	1
5B	523257	For Steering & Tilt Cylinder	1

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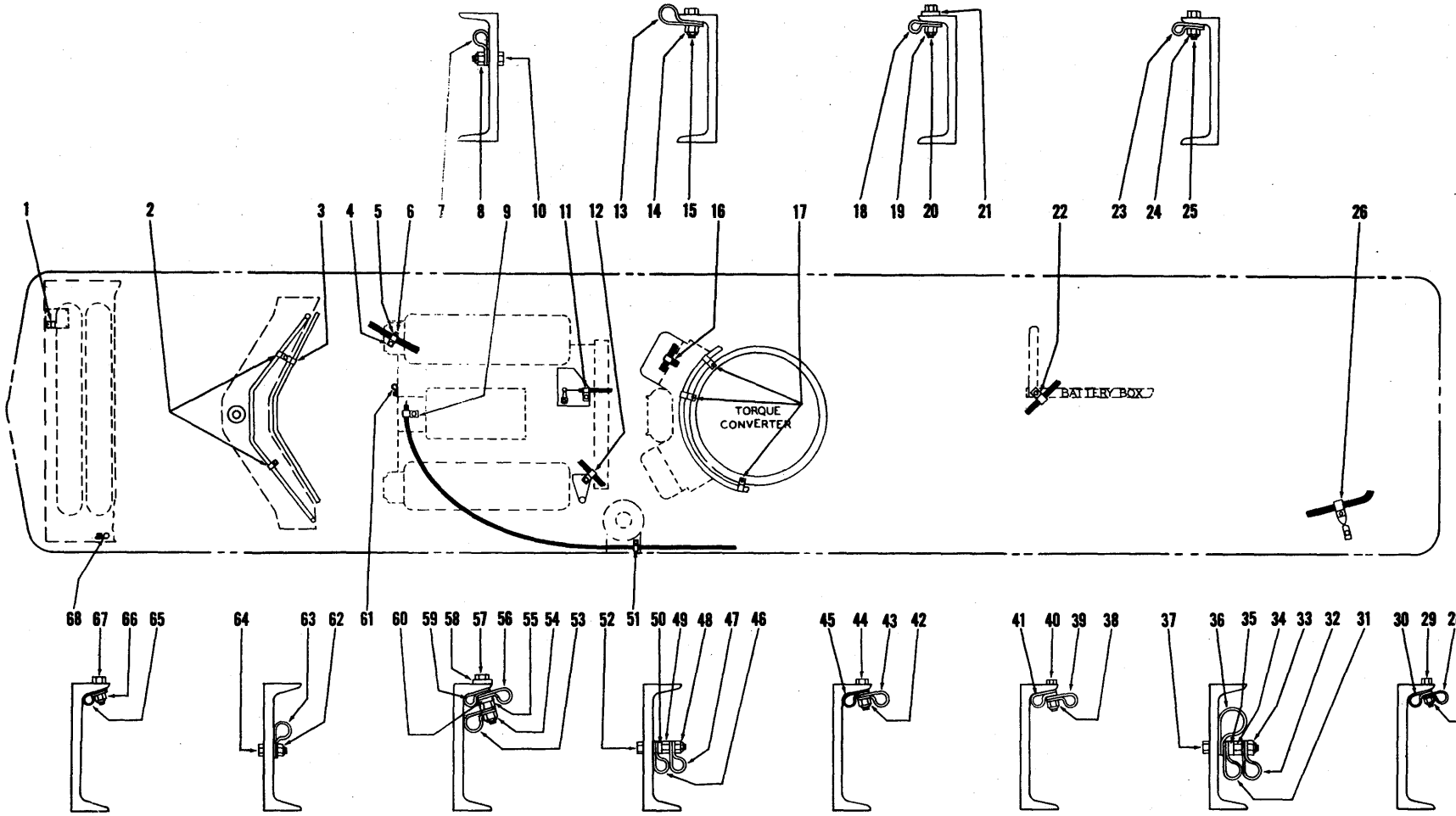
CLIP DIAGRAM — CUMMINS

TS-3657-P

CLIP DIAGRAM — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	30H-12	CLIP, Tail Light Wire	1
2	6H-10	CLIP, Rear Axle Air Line	2
2A	18C-624	BOLT, Rear Axle Air Line Clip	2
2B	18D-06	NUT, Rear Axle Air Line Clip	2
3	6H-18	CLIP, By-Pass Filter Supply Hose	1
3A	17C-612	BOLT, Clip to Engine	1
3B	4E-06	LKWSHR, Clip to Engine	1
4	30H-23	CLIP, Generator Harness	1
4A	17C-508	BOLT, Clip to Engine	1
4B	4E-05	LKWSHR, Clip to Engine	1
5	6H-18	CLIP, Torque Converter Cooler Line	1
6	6H-20	CLIP, Compressor Intake Tube	1
6A	18C-616	BOLT, Clip to Engine Bracket	1
6B	18D-06	NUT, Clip to Engine Bracket	1
7	18D-06	NUT, Clip to Frame	1
8	18C-624	BOLT, Clip to Frame	1
9	534317	BRACKET, Engine to Clip	1
10	30H-36	CLIP, Battery Cable	1
11	30H-24	CLIP, Wiring Harness	2
12	30H-36	CLIP, Battery Cable	1
13	18D-06	NUT, Clip to Frame	1
14	30H-36	CLIP, Battery Cable	1
15	18C-624	BOLT, Clip to Frame	1
16	18D-06	NUT, Clip to Frame	1
17	18C-624	BOLT, Clip to Frame	1
18	526426	CLIP, Wiring Harness to Front Shroud	1
19	18D-06	NUT, Clip to Frame	1
20	30H-46	CLIP, Wiring Harness	1
21	18C-624	BOLT, Clip to Frame	1
22	18C-408	BOLT, Clip to Shroud	2
22A	18D-04	NUT, Clip to Shroud	2
23	6H-30	CLIP, Return Line	1
24	6H-10	CLIP, Air Line	1
25	6H-16	CLIP, Fuel Suction Line	1
26	18D-06	NUT, Clip to Frame	1
27	8D-06	NUT, Clip to Frame	1
28	545068	WASHER, Clip to Frame	1
29	6H-16	CLIP, Air Line	1
30	18C-632	BOLT, Clips to Frame	1
31	18D-06	NUT, Clip to Frame	1
32	30H-46	CLIP, Wiring Harness	1
33	18C-624	BOLT, Clip to Frame	1
34	6H-30	CLIP, Return Line	1
35	18D-06	NUT, Clip to Frame	1
36	30H-46	CLIP, Wiring Harness	1
37	18C-624	BOLT, Clip to Frame	1
38	6H-30	CLIP, Return Line	1
39	6H-10	CLIP, Air Line	1
40	6H-16	CLIP, Fuel Suction Line	1
41	18D-06	NUT, Clips to Frame	1
42	8D-06	NUT, Clip to Frame	1
43	545068	WASHER, Clip to Frame	1
44	6H-27	CLIP, Fuel Suction Line	1
45	18C-632	BOLT, Clips to Frame	1
46	18D-06	NUT, Clip to Frame	1
47	30H-46	CLIP, Wiring Harness	1
48	31H-27	CLIP, Preheater Hose	1
48A	18C-612	BOLT, Clip to Bracket	1
48B	18D-06	NUT, Clip to Bracket	1
49	18C-624	BOLT, Clip to Frame	1
50	527596	BRACKET, Mounting	1
51	6H-30	CLIP, Return Line	1
52	18D-06	NUT, Clip to Frame	1
53	6H-16	CLIP, Air Compressor Line	1
54	18C-624	BOLT, Clip to Frame	1
55	18D-06	NUT, Clip to Frame	1
56	6H-18	CLIP, Torque Converter Cooler Line	1
57	18C-624	BOLT, Clip to Frame	1
58	18D-06	NUT, Clip to Frame	2
59	———	VOLTAGE REGULATOR BRACKET	—
60	30H-20	CLIP, Back-Up Light Wire	1
61	18C-624	BOLT, Clip to Frame	2
62	30H-16	CLIP, Wiring Harness	1

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



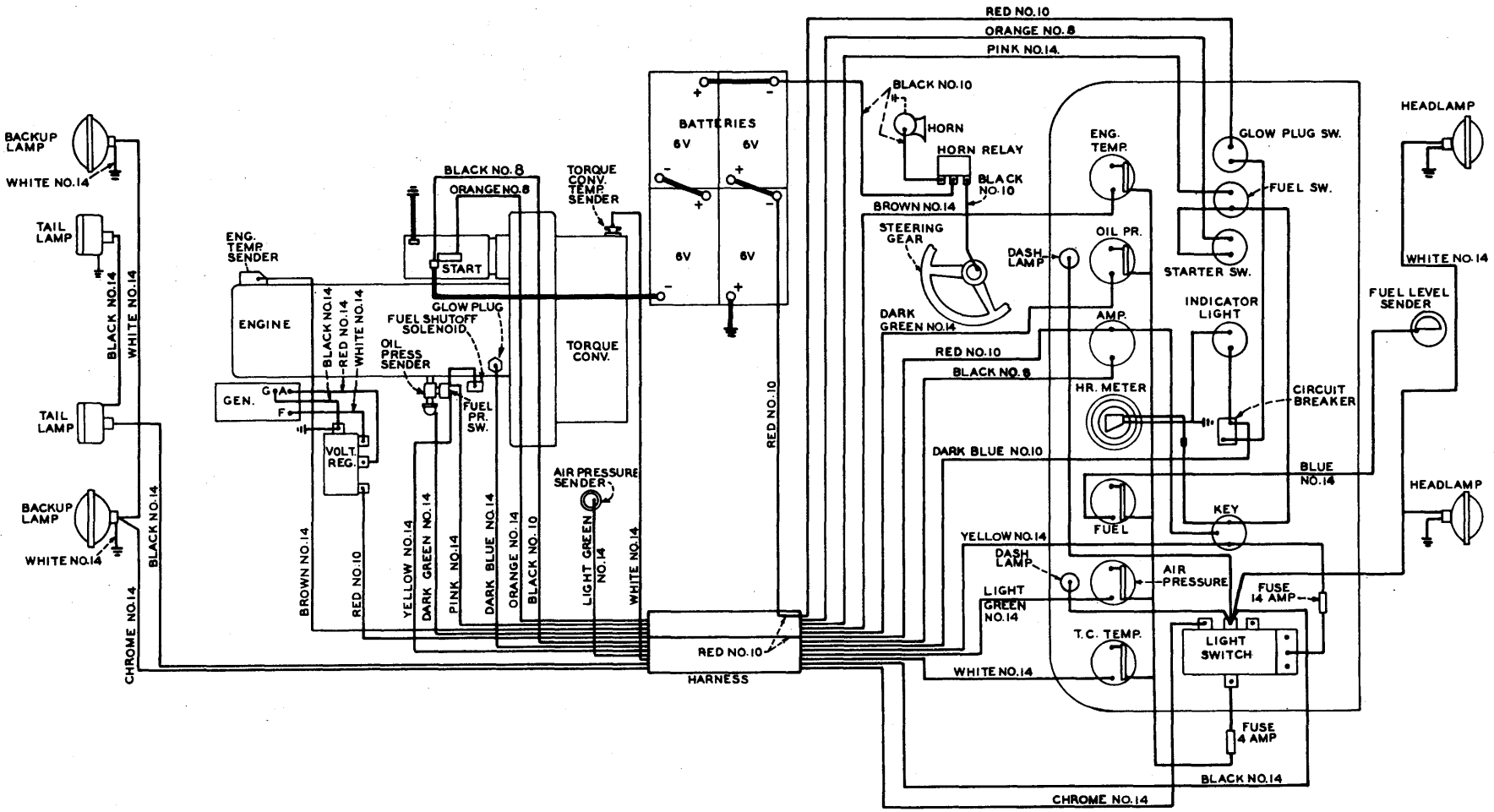
CLIP DIAGRAM — G.M.

TS-3656-P

CLIP DIAGRAM — G.M.

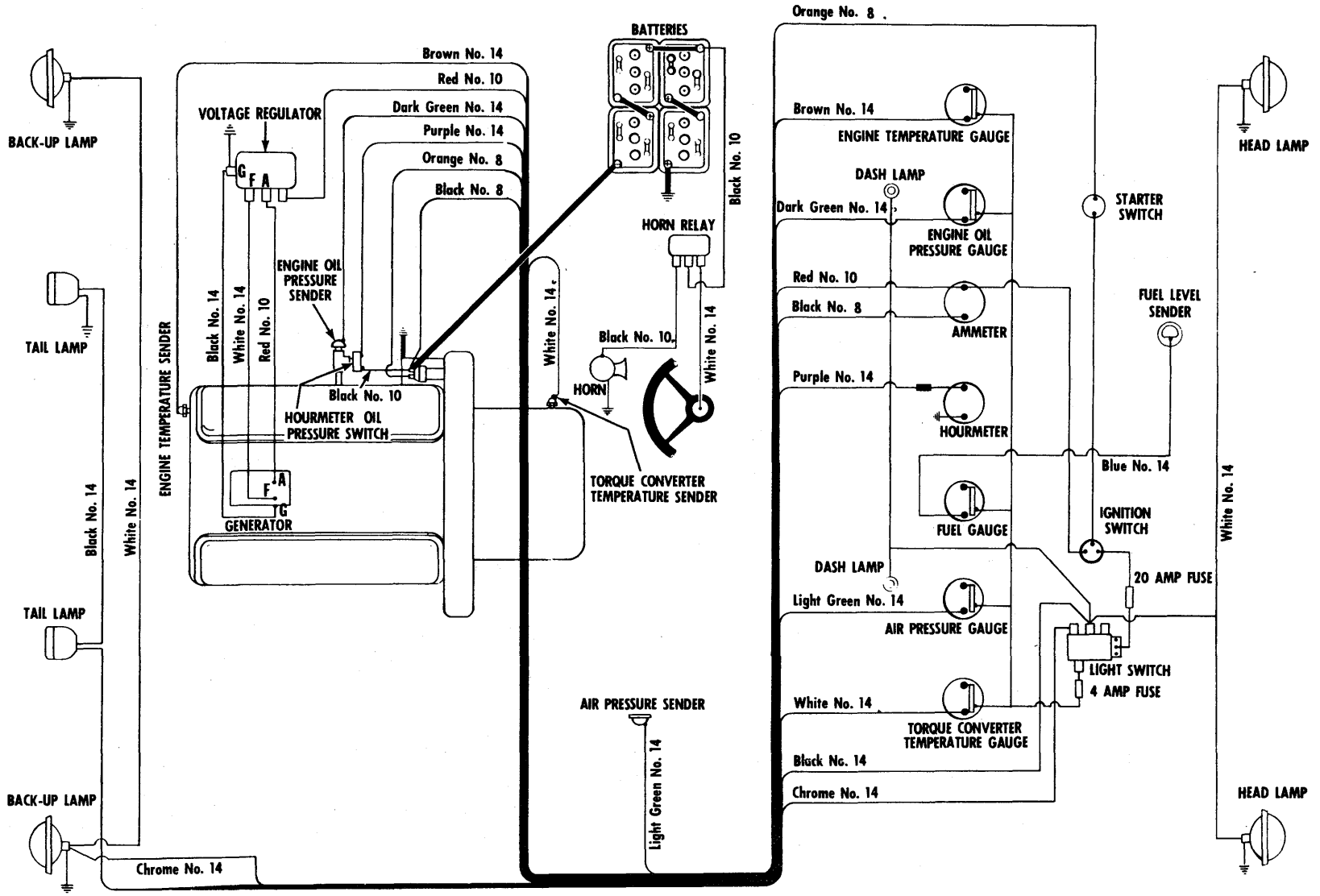
Item No.	Part No.	Description	No. Req'd.
1	30H-12	CLIP, Tail Light Wire	1
2	6H-10	CLIP, Rear Axle Air Line	2
2A	18C-624	BOLT, Rear Axle Air line	2
2B	18D-06	NUT, Rear Axle Air Line	2
3	6H-16	CLIP, Air Compressor Line	1
4	541999	BRACKET, Engine to Clip	1
5	6H-20	CLIP, Air Line	1
6	18C-612	BOLT, Clip to Bracket	1
6A	18D-06	NUT, Clip to Bracket	1
7	6H-18	CLIP, Torque Converter Cooler Line	1
8	18D-06	NUT, Clip to Frame	1
9	6H-4	CLIP, Emergency Shut-Off to Engine	1
9A	542000	BRACKET, Clip to Engine	1
9B	18C-612	BOLT, Clip to Bracket	1
9C	18D-06	NUT, Clip to Bracket	1
10	18C-624	BOLT, Clip to Frame	1
11	530887	CLIP, Engine Shut-Off	1
11A	18C-408	BOLT, Clip to Engine	1
11B	18D-04	NUT, Clip to Engine	1
12	30H-46	CLIP, Fuel Return	1
13	522992	CLIP, Air Line	1
14	18D-06	NUT, Clip to Frame	1
15	18C-624	BOLT, Clip to Frame	1
16	30H-12	CLIP, Generator Wire to Engine	1
17	30H-38	CLIP, Wiring Harness to Torque Conv.	3
18	30H-35	CLIP, Battery Cable to Frame	1
19	18D-06	NUT, Clip to Frame	1
20	18C-628	BOLT, Clip to Frame	1
21	545068	WASHER, Clip to Frame	1
22	30H-35	CLIP, Battery Cable to Battery Box	1
23	30H-35	CLIP, Battery Cable to Frame	1
24	18D-06	NUT, Clip to Frame	1
25	18C-624	BOLT, Clip to Frame	1
26	526426	CLIP, Wiring Harness to Front Shroud	1
26A	18C-408	BOLT, Clip to Front Shroud	2
26B	18D-04	NUT, Clip to Front Shroud	2
27	18D-06	NUT, Clip to Frame	1
28	30H-46	CLIP, Main Wiring Harness	1
29	18C-624	BOLT, Clip to Frame	1
30	6H-10	CLIP, Return Line	1
31	6H-10	CLIP, Air Line	1
32	6H-10	CLIP, Fuel Line	1
33	18D-06	NUT, Clips to Frame	1
34	8D-06	NUT, Clip to Frame	1
35	545068	WASHER, Clip to Frame	1
36	6H-16	CLIP, Air Line	1
37	18C-632	BOLT, Clips to Frame	1
38	18D-06	NUT, Clip to Frame	1
39	30H-46	CLIP, Main Wiring Harness	1
40	18C-624	BOLT, Clip to Frame	1
41	6H-10	CLIP, Return Line	1
42	18D-06	NUT, Clip to Frame	1
43	30H-46	CLIP, Main Wiring Harness	1
44	18C-624	BOLT, Clip to Frame	1
45	6H-10	CLIP, Return Line	1
46	6H-10	CLIP, Air Line	1
47	6H-10	CLIP, Suction	1
48	18D-06	NUT, Clips to Frame	1
49	8D-06	NUT, Clips to Frame	1
50	545068	WASHER, Clip to Frame	1
51	6H-4	CLIP, Muffler to Emergency Shut-Off Cable	1
52	18C-632	BOLT, Clips to Frame	1
53	30H-46	CLIP, Main Wiring Harness	1
54	18D-06	NUT, Clips to Frame	1
55	8D-06	NUT, Clips to Frame	1
56	6H-10	CLIP, Fuel Suction	1
57	18C-632	BOLT, Clips to Frame	1
58	545068	WASHER, Clips to Frame	1
59	6H-10	CLIP, Return Line	1
60	545068	WASHER, Clips to Frame	1
61	30H-20	CLIP, Engine Temp. Wire to Engine	1
62	18D-06	NUT, Clip to Frame	1
63	6H-18	CLIP, Torque Converter Cooler Line	1
64	18C-624	BOLT, Clip to Frame	1
65	30H-16	CLIP, Main Wiring Harness	1
66	18D-06	NUT, Clip to Frame	1
67	18C-624	BOLT, Clip to Frame	1
68	30H-20	CLIP, Back-Up Light Wire	1

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



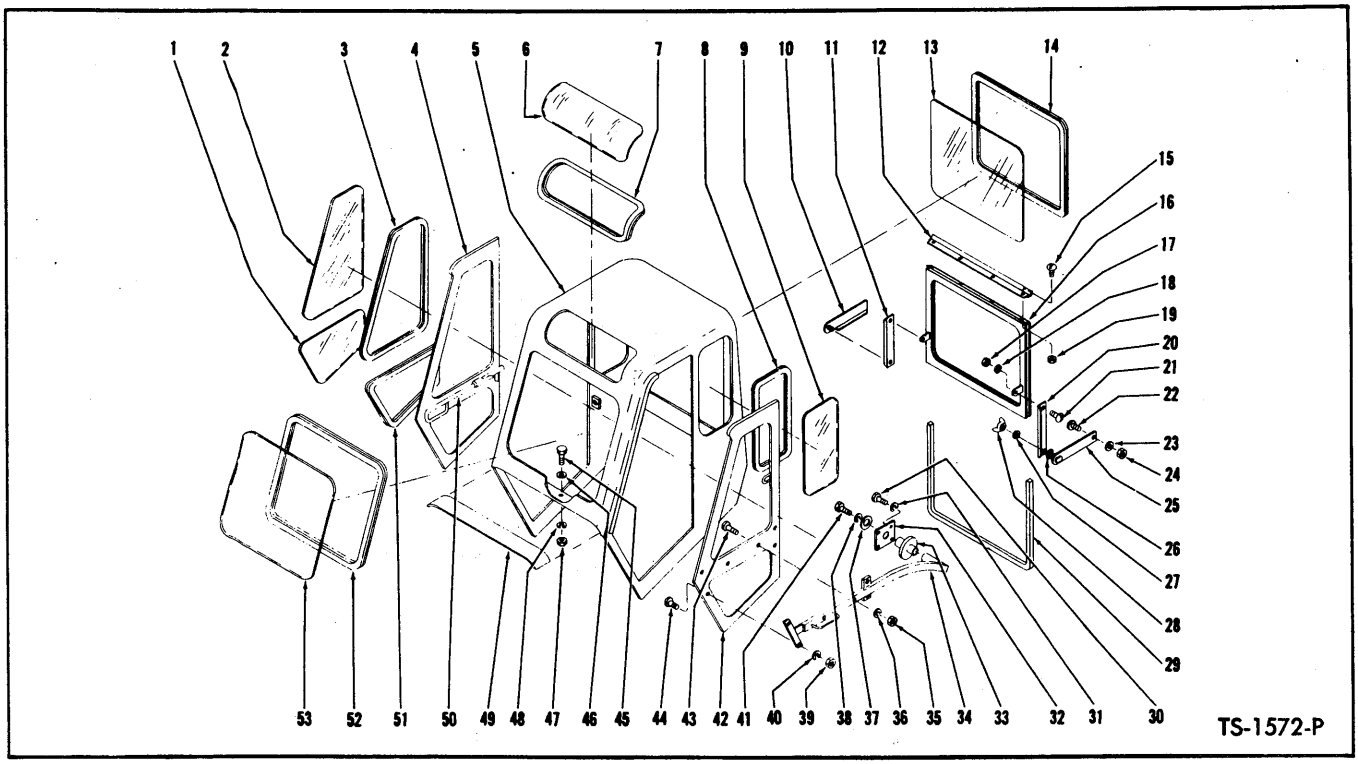
WIRING DIAGRAM — CUMMINS

TS-3652-P



WIRING DIAGRAM — G.M.

TS-3052-P



CAB ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	527957	CAB ASSY (Inc. 1 thru 53)	1
1	———	GLASS, Lower Door (See 56)	2
2	———	GLASS, Upper Door (See 56)	2
3	940413	MOULDING, Upper Door Glass	2
4	138794	PANEL, R.H. Door	1
5	138750	CAB (Less Doors & Glass)	1
6	940350	GLASS, Curved Roof	1
7	940477	MOULDING, Curved Roof Glass	1
8	940415	MOULDING, Quarter Panel Glass	2
9	———	GLASS, Quarter Panel (See 56)	2
10	138812	ARM, Lower Control — R.H.	1
11	138816	ARM, Upper Control — R.H.	1
12	138805	RAINSHIELD, Rear Window	1
13	———	GLASS, Rear Window (See 56)	1
14	138785	MOULDING, Rear Window Glass	1
15	3G-1008	SCREW, Rear Window Mounting	5
16	138806	FRAME, Rear Window	1
17	17D-1	NUT, Arm to Window	2
18	25E-13	WASHER, Arm to Window	4
19	138237	NUT, Rear Window Mounting	5
20	138815	ARM, Upper Control — L.H.	1
21	4G-412	SCREW, Arm to Window	2
22	4G-412	SCREW, Arm to Cab	2
23	25E-13	WASHER, Arm to Cab	4
24	17D-1	NUT, Arm to Cab	2
25	138811	ARM, Lower Control — L.H.	1
26	8E-05	LKWSHR, Arm to Arm	2
27	25E-15	WASHER, Arm to Arm	2
28	16D-05	WING NUT, Arm to Arm	2
29	138810	WEATHERSTRIP, Rear Window	1
30	1C-518	BOLT, Mounting Plate	4
31	4E-05	LKWSHR, Mounting Plate	4
32	138013	PLATE, Door Mounting	1
33	943619	CAM, Door	1
34	138797	ARM, Door Hinge — L.H.	1
35	1D-04	NUT, Arm to Door	4
36	4E-04	LKWSHR, Arm to Door	4
37	138494	WASHER, Door Cam Thrust	1
38	4E-05	LKWSHR, Thrust Washer	1
39	1D-04	NUT, Arm to Door	2
40	4E-04	LKWSHR, Arm to Door	2
41	1C-518	BOLT, Thrust Washer	1
42	138793	PANEL, L.H. Door	1
43	4G-420	SCREW, Arm to Door — Long	2
44	4G-412	SCREW, Arm to Door — Short	4
45	2C-620	BOLT, Cab to Shroud	4
46	25E-17	WASHER, Cab to Shroud	4
47	2D-06	NUT, Cab to Shroud	4
48	4E-06	LKWSHR, Cab to Shroud	4
49	138521	WEATHERSTRIP, Cowl	1
50	139429	LOCK, R.H. Door	1
50A	2C-616	†BOLT, Lock to Door	1
50B	45D-06	†NUT, Lock to Door	1
50C	103293	†WASHER, Lock to Door	1
51	138790	MOULDING, Lower Door Glass	2
52	138572	MOULDING, Windshield Glass	1
53	———	GLASS, Windshield (See 56)	1
54	138792	†DOOR ASSY, R.H. (Inc. 1, 2, 3, 50, 51)	1
55	138791	†DOOR ASSY, L.H. (Inc. 1, 2, 3, 51)	1
56	944205	†GLASS PATTERN KIT (Inc. 1, 2, 9, 13, 53)	1
57	139411	†WEATHERSTRIP, Door Opening—26"	2
58	139412	†WEATHERSTRIP, Door Opening—41"	2
59	139413	†WEATHERSTRIP, Door Opening—45"	2

†Not Illustrated

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

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