

# MICHIGAN

## PARTS MANUAL

No. 1480

# MODEL 110 TRACTOR SCRAPER (Tractor Section)

Information contained herein pertains to Tractor Section only on Machine Serial Numbers 44123 thru 44299, 1TC100 thru 1TC102, 2TC1 and thereafter.

Tractor Scraper (Body Section) see Parts Manual No. 1528

Tractor Wagon (Rear Dump) see Parts Manual No. 1529

Record Your Machine  
Serial Number Here

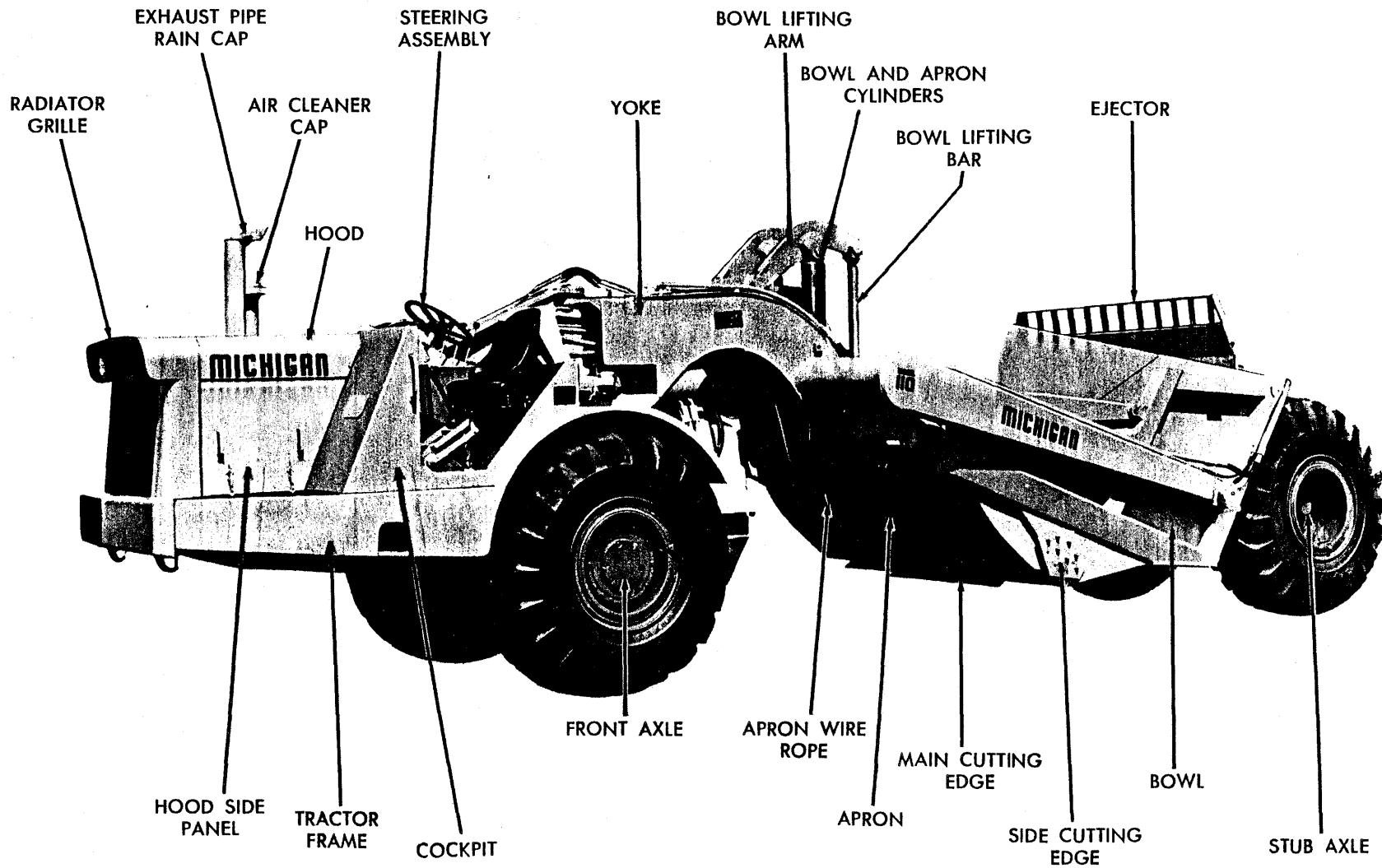
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**CLARK  
EQUIPMENT**

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

**MICHIGAN**

MAY 1989



**MODEL 110 SCRAPER**

**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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CONSTRUCTION MACHINERY DIVISION



ENGINE AND ACCESSORIES — CUMMINS

All orders for engine assembly or components 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 name plate attached to the side of the engine.

Item No.	Part No.	Description	No. Req'd.
<b>ENGINE MOUNTING PARTS</b>			
1	17C-828	BOLT, Support to Flywheel Housing ..	8
2	4E-08	LKWSHR, Support to Flywheel Housing	8
3		<i>BOLT, Engine Trunnion to Frame</i>	
3A	2C-1060	For Serial 44123 thru 44999, 1TC100, 1TC101, 1TC102.....	2
3B	2C-1080	For Serial 2TC1 & thereafter	2
4	18D-10	NUT, Engine Trunnion to Frame	2
5	550156	SPACER, Engine Trunnion to Frame (for Serial 2TC1 & thereafter)	2
<b>ENGINE ACCESSORIES</b>			
6	551323	SENDER UNIT, Engine Temperature	1
7	940643	SENDER UNIT, Oil Pressure .....	1
7A	636260	SWITCH, Hourmeter Pressure .....	1
7B	18F-1	TEE, Pressure Switch .....	1
7C	5K-106	NIPPLE, Tee to Engine .....	1
8		<i>FAN, Engine</i>	
8A	592249	For Serial 44123 thru 44201 .....	1
8B	594599	For Serial 44202 thru 44999, 1TC100 thru 1TC102, 2TC1 & thereafter..	1
9	592250	SPACER, Fan (for Serial 44123 thru 44201) .....	1
10		<i>BOLT, Fan Mounting</i>	
10A	1C-548	For Serial 44123 thru 44201 .....	4
10B	1C-648	For Serial 44202 thru 44999, 1TC100 thru 1TC102, 2TC1 & thereafter..	4
11		<i>LKWSHR, Fan Mounting</i>	
11A	4E-05	For Serial 44123 thru 44201 .....	4
11B	4E-06	For Serial 44202 thru 44999, 1TC100 thru 1TC102, 2TC1 & thereafter ..	4

Item No.	Part No.	Description	No. Req'd.
<b>STARTER AND MOUNTING PARTS</b>			
12	522648	*STARTER ASSY (Inc. 13 thru 16)....	1
12A	946052	STARTER ASSY (Inc. 13A thru 16A)	1
13	940307	ARMATURE, Starter .....	1
13A	946438	**ARMATURE, Starter .....	1
14	864525	BRUSH, Starter .....	1
14A	946440	**BRUSH, Starter .....	8
15	872560	HOUSING, Drive .....	1
15A	946439	**HOUSING, Drive .....	1
16	940310	SWITCH, Starter Solenoid .....	1
16A	946441	**SWITCH, Starter Solenoid .....	1
17	1C-1028	BOLT, Starter Mounting .....	3
18	4E-10	LKWSHR, Starter Mounting .....	3
<b>GENERATOR AND MOUNTING PARTS</b>			
19	940589	GENERATOR .....	1
20	941523	ARMATURE, Generator .....	1
21	858028	BRUSH, Generator .....	2
22	850311	NUT, Shaft .....	1
23	23E-11	LKWSHR, Shaft .....	1
24	6J-405	KEY, Shaft .....	1
25	627014	FAN, Generator .....	1
26	627013	BAFFLE, Generator .....	1
27	2C-728	BOLT, Generator to Bracket .....	2
28	2D-07	NUT, Generator to Bracket .....	2
29	4E-07	LKWSHR, Generator to Bracket .....	2
30	1C-616	BOLT, Adjusting Strap to Bracket .....	1
31	1C-614	BOLT, Adjusting Strap to Generator..	1
32	4E-06	LKWSHR .....	2
33	103293	WASHER .....	1
<b>VOLTAGE REGULATOR AND MOUNTING PARTS</b>			
34	940590	REGULATOR, Voltage .....	1
35	2C-508	BOLT, Regulator to Cockpit .....	4
36	18D-05	NUT, Regulator to Cockpit .....	4

\*NOTE: For complete replacement of 522648 Starter use 946052 Starter (D.R. 1113905)

\*\*NOTE: These parts used with 946052 Starter (D.R. 1113905)

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

**ENGINE AND ACCESSORIES — G.M.**

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

**ENGINE ACCESSORIES**

For Serial: 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.
1	551323	SENDER UNIT, Engine Temperature .....	1
2	940643	SENDER UNIT, Engine Oil Pressure .....	1
3	636260	SWITCH, Hourmeter Pressure .....	1
4	25 F 1	ELBOW, Oil Pressure Unit to Engine .....	1
5	356611	BUSHING, Oil Pressure Unit .....	1
6	5K-106	NIPPLE, Tee to Engine .....	1
7	18F-1	TEE, Fuel Pressure Switch .....	1

**ENGINE ACCESSORIES**

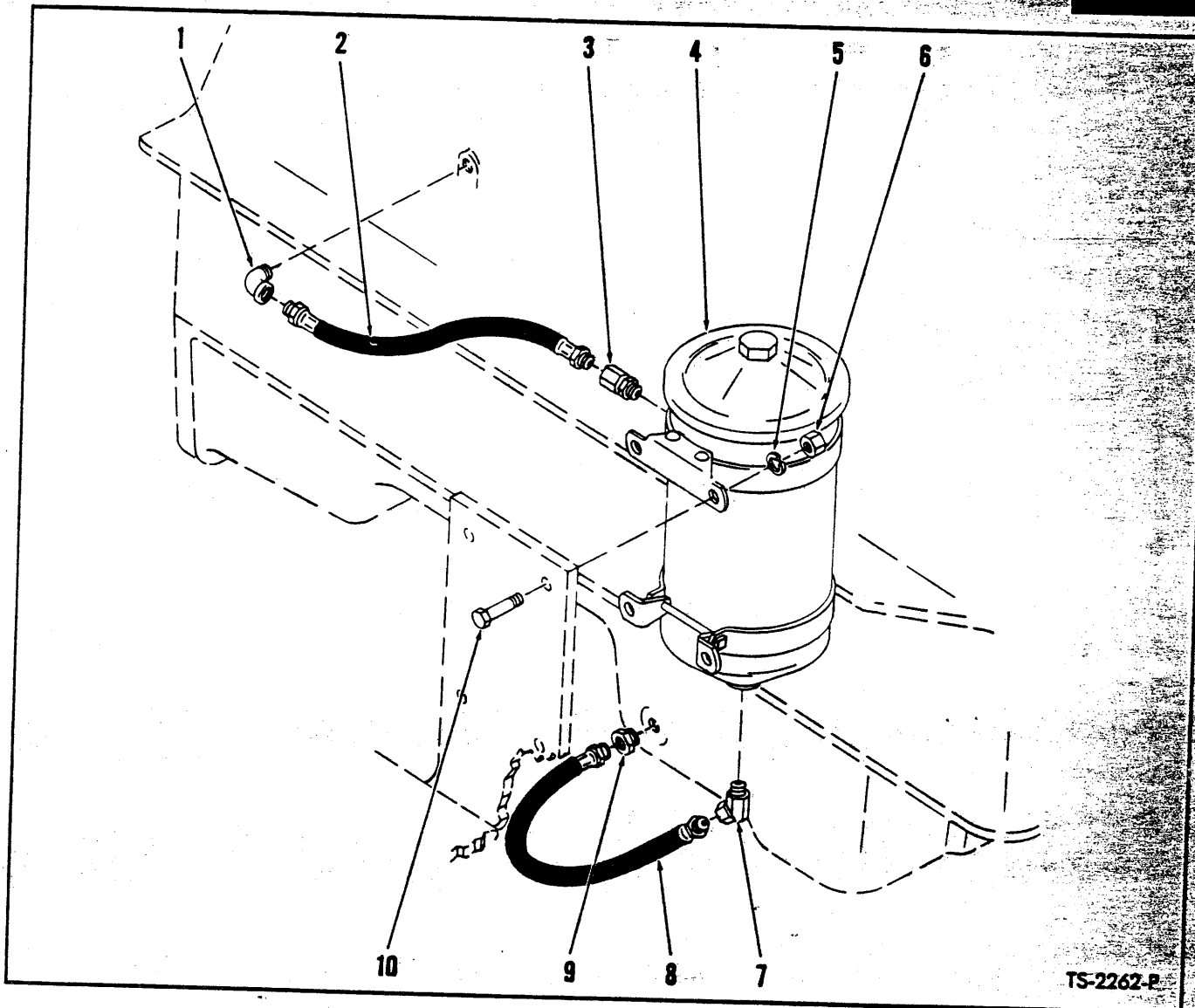
For Serial: 3TG101 and after

Item No.	Part No.	Description	No. Req'd.
1	594599	FAN, Engine .....	1
2	583731	SPACER, Engine .....	1
3	18C-616	BOLT, Fan to Spacer .....	6
4	4E-06	LKWSHR, Fan to Spacer .....	6
5	17C-520	BOLT, Spacer to Hub .....	4
6	4E-05	LKWSHR, Spacer to Hub .....	4
7	551323	SENDER UNIT, Engine Temperature .....	1
8	12E-10	LKWSHR, Sender Unit .....	1
9	14D-10	NUT, Sender Unit .....	1
10	940643	SENDER UNIT, Engine Oil Pressure .....	1
11	12E-10	LKWSHR, Sender Unit .....	1
12	14D-10	NUT, Sender Unit .....	1
13	636260	SWITCH, Hourmeter Pressure .....	1
14	25F-1	ELBOW, Oil Pressure Unit to Engine .....	1

**VOLTAGE REGULATORS AND MOUNTING PARTS**

Item No.	Part No.	Description	No. Req'd.
15	945439	REGULATOR, Voltage .....	1
16	525450	BRACKET, Voltage Regulator .....	1
17	18C-620	BOLT, Bracket to Engine Mount Angle .....	2
18	18D-06	NUT, Bracket to Engine Mount Angle .....	2
19	18C-420	BOLT, Regulator to Bracket .....	4
20	18D-04	NUT, Regulator to Bracket .....	4
21	619049	SHOCK MOUNT, Voltage Regulator .....	1

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



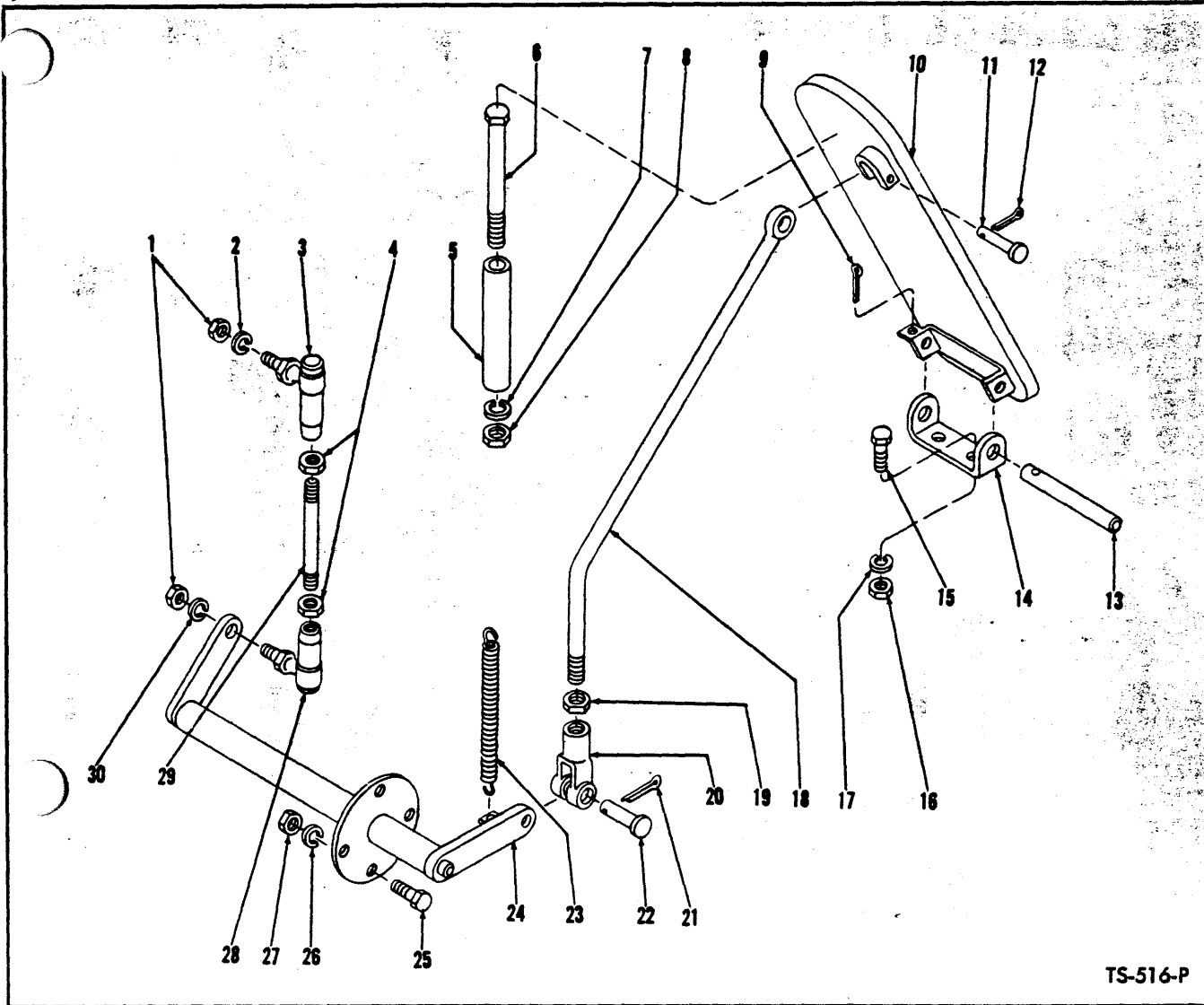
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**ENGINE BY-PASS OIL FILTER AND CONNECTIONS — CUMMINS**

Item No.	Part No.	Description	Notes
1	26F-3	ELBOW, Hose to Engine	1
2	551311	HOSE, Engine to Filter	1
3	672758	ADAPTER UNION	1
4	524526	FILTER, By-Pass (Inc. 4A)	1
4A	943954	CARTRIDGE KIT	1
5	—	OMIT, Not Used This Application	1
6	18D-05	NUT, Filter to Bracket	4
7	33F-2	ADAPTER UNION	1
8	551311	HOSE, Filter to Engine	1
9	356614	BUSHING, Engine Reducing	1
10	2C-516	BOLT, Filter to Bracket	4

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



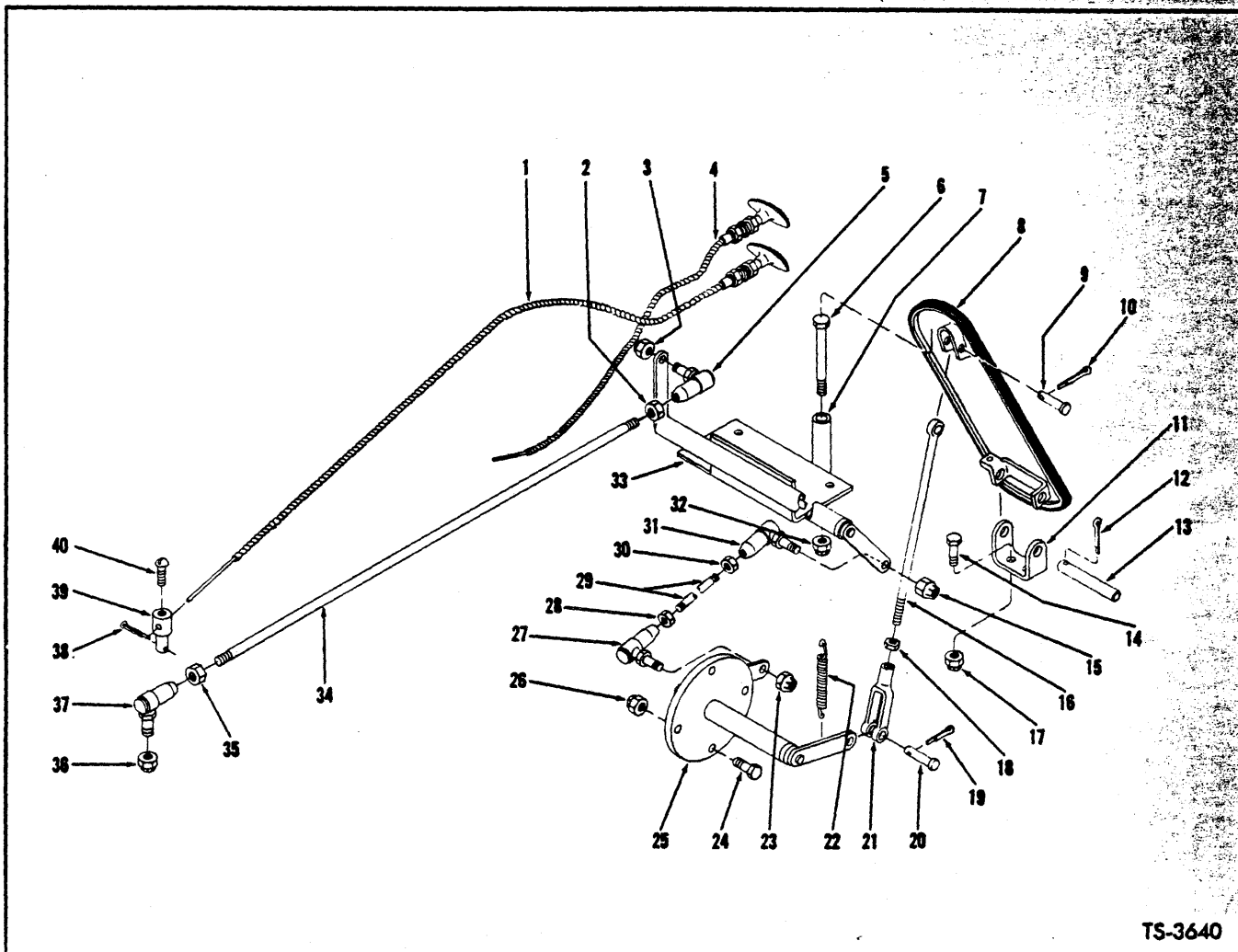


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**ACCELERATOR PEDAL AND LINKAGE — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	8D-05	NUT, Ball Joint .....	2	16	2D-04	NUT, Bracket to Floorboard .....	2
2	4E-05	LKWSHR, Ball Joint .....	1	17	4E-04	LKWSHR, Bracket to Floorboard .....	2
3	361939	BALL JOINT, Rod to Engine .....	1	18	593639	ROD, Pedal to Bell Crank .....	1
4	8D-05	NUT, Ball Joint Jam .....	2	19	8D-04	NUT, Clevis Jam .....	1
5	593196	STOP, Accelerator Pedal .....	1	20	2J-4200	CLEVIS, Rod to Bell Crank .....	1
6	2C-456	BOLT, Stop to Floorboard .....	1	21	1F-207	COTTER, Clevis Pin .....	1
7	4E-04	LKWSHR, Stop to Floorboard .....	1	22	4F-04051	PIN, Clevis to Bell Crank .....	1
8	2D-04	NUT, Stop to Floorboard .....	1	23	551090	SPRING, Pedal Return .....	1
9	1F-316	COTTER, Pedal to Bracket Pin .....	1	24	593640	BELL CRANK .....	1
10	623829	PEDAL, Accelerator .....	1	25	2C-412	BOLT, Bell Crank Attaching .....	4
11	4F-04051	PIN, Rod to Pedal .....	1	26	4E-04	LKWSHR, Bell Crank Attaching .....	4
12	1F-207	COTTER, Clevis Pin .....	1	27	2D-04	NUT, Bell Crank Attaching .....	4
13	623762	PIN, Pedal to Bracket .....	1	28	361939	BALL JOINT, Rod to Bell Crank .....	1
14	51015	BRACKET, Accelerator Pedal Pivot	1	29	593189	ROD, Bell Crank to Engine .....	1
15	2C-412	BOLT, Bracket to Floorboard .....	2	30	4E-05	LKWSHR, Ball Joint .....	1

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



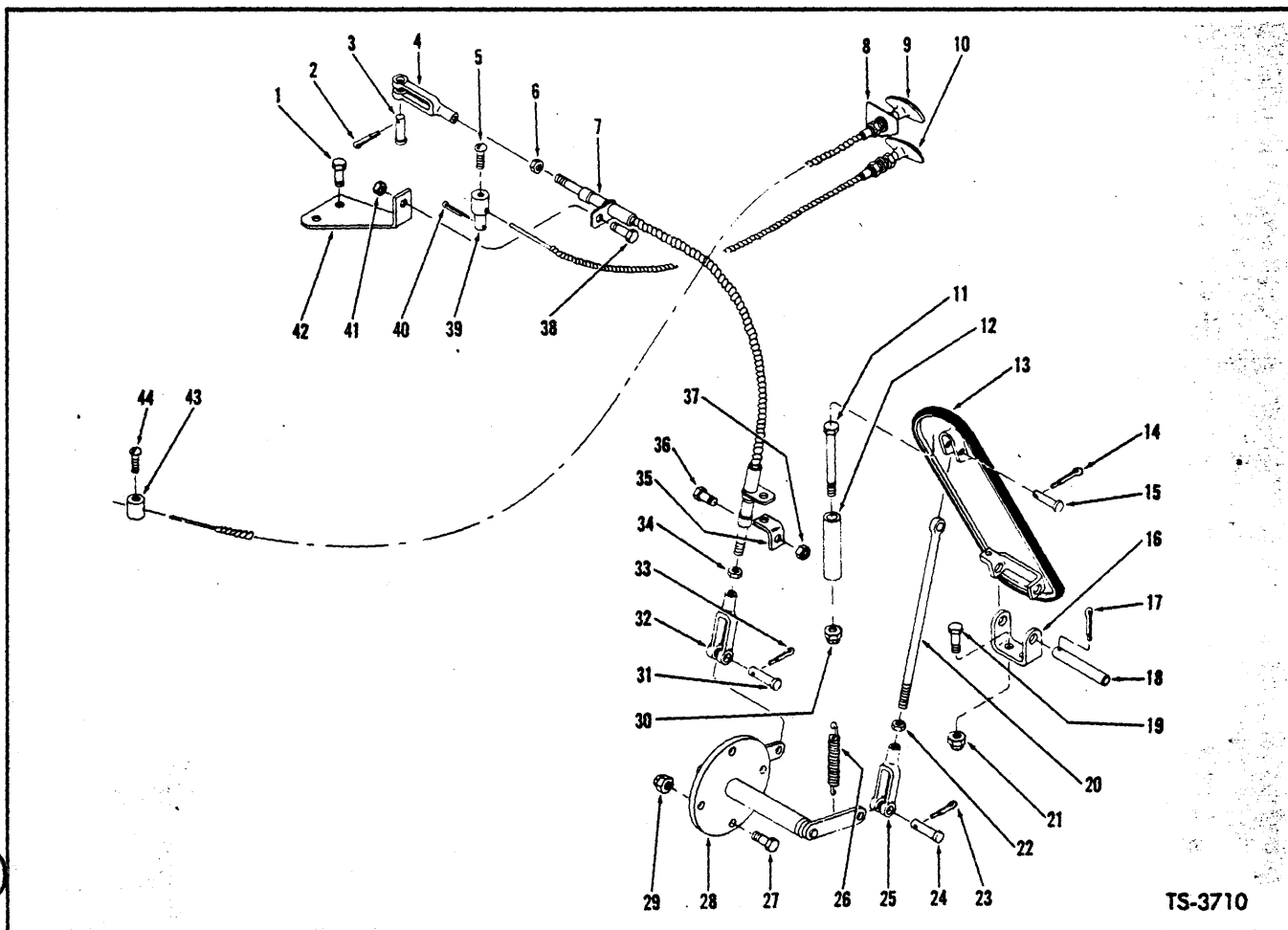
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**ACCELERATOR PEDAL AND LINKAGE —G.M.**

For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1520193	CABLE, Engine Stop	1	22	551090	SPRING, Bell Crank to Floorboard — Pedal Return	1
2	8D-05	NUT, Ball Joint Jam	1	23	66D-05	NUT, Ball Joint	1
3	66D-05	NUT, Ball Joint	1	24	18C-412	BOLT, Bell Crank to Cockpit	4
4	1520193	CABLE, Emergency Stop	1	25	581429	BELL CRANK	1
5	361939	BALL JOINT	1	26	18D-04	NUT, Bell Crank to Cockpit	4
6	18C-456	BOLT, Stop to Floorboard	1	27	361939	BALL JOINT	1
7	593196	STOP, Accelerator Pedal	1	28	8D-05	NUT, Ball Joint Jam	1
8	623829	PEDAL, Accelerator	1	29	582130	ROD, Bell Crank to Bell Crank	1
9	4F-04051	PIN, Rod to Pedal Clevis	1	30	8D-05	NUT, Ball Joint Jam	1
10	1F-207	COTTER, Clevis Pin	1	31	361939	BALL JOINT	1
11	551015	BRACKET, Pedal Pivot	1	32	18D-04	NUT, Stop to Floorboard	1
12	1F-316	COTTER, Pedal Pin	1	33	581433	BELL CRANK	1
13	623762	PIN, Pedal to Bracket	1	34	582132	ROD, Bell Crank to Engine	1
14	18C-412	BOLT, Bracket to Floorboard	2	35	8D-05	NUT, Ball Joint Jam	1
15	66D-05	NUT, Ball Joint	1	36	66D-05	NUT, Ball Joint	1
16	593639	ROD, Pedal to Bell Crank Clevis	1	37	361939	BALL JOINT	1
17	18D-04	NUT, Bracket to Floorboard	2	38	1F-308	COTTER, Wire Connector	1
18	8D-04	NUT, Clevis Jam	1	39	351131	CONNECTOR, Cable Wire	1
19	1F-207	COTTER, Clevis Pin	1	40	3G-1008	SCREW, Wire Connector	1
20	4F-04051	PIN, Clevis to Bell Crank	1				
21	2J-4200	CLEVIS, Rod to Bell Crank	1				

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



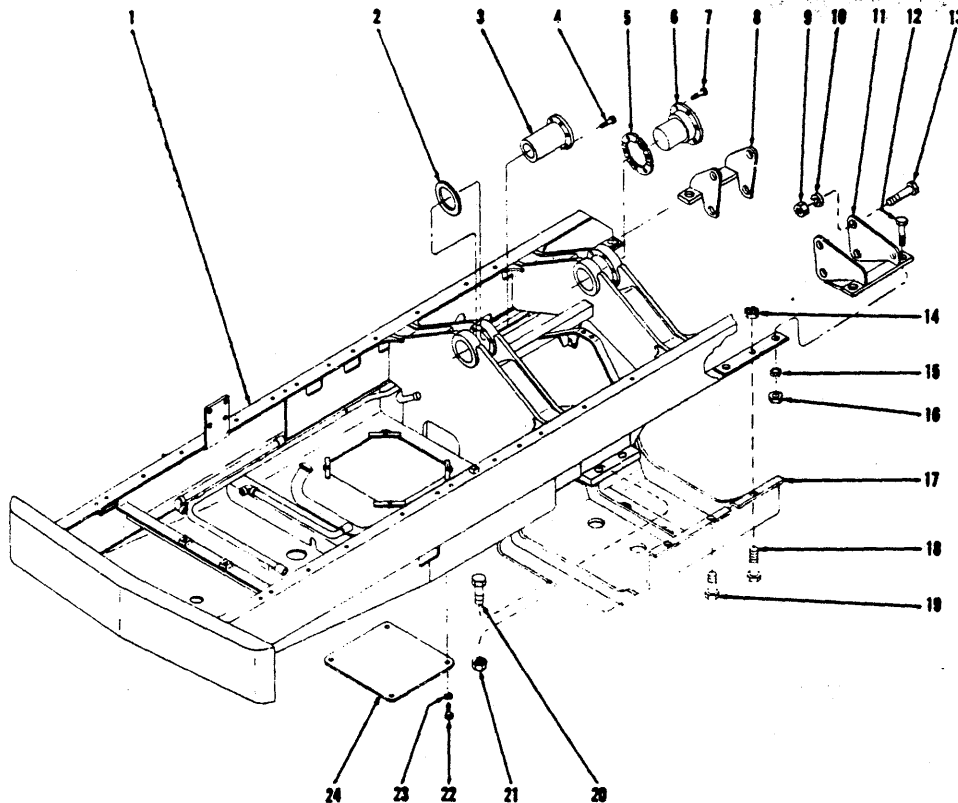
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**ACCELERATOR PEDAL AND LINKAGE —G.M.**

For Serial: 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	17C-416	BOLT, Bracket to Governor	2	24	4F-04051	PIN, Clevis to Bell Crank	1
2	1F-312	COTTER, Clevis Pin	1	25	2J-4200	CLEVIS, Rod to Bell Crank	1
3	4F-05062	PIN, Cable to Governor Clevis	1	26	551090	SPRING, Bell Crank to Floorboard — Pedal Return	1
4	583611	CLEVIS, Cable to Governor	1	27	18C-412	BOLT, Bell Crank to Cockpit	4
5	3G-1008	SCREW, Wire Connector	1	28	581429	BELL CRANK	1
6	14D-10	NUT, Clevis Jam	1	29	18D-04	NUT, Bell Crank to Cockpit	4
7	583610	CABLE, Throttle	1	30	18D-04	NUT, Stop to Floorboard	1
8	531905	PLATE, Emergency Stop Name	1	31	4F-05062	PIN, Clevis to Bell Crank	1
9	1520190	CABLE, Emergency Stop	1	32	583611	CLEVIS, Cable to Bell Crank	1
10	1520193	CABLE, Engine Stop	1	33	1F-312	COTTER, Clevis Pin	1
11	18C-456	BOLT, Stop to Floorboard	1	34	14D-10	NUT, Clevis Jam	1
12	593196	STOP, Accelerator Pedal	1	35	583612	CLIP, Throttle Cable	1
13	623829	PEDAL, Accelerator	1	36	18C-512	BOLT, Clip to Cockpit	1
14	1F-207	COTTER, Pedal Pin	1	37	18D-05	NUT, Clip to Cockpit	1
15	4F-04051	PIN, Pedal to Bracket	1	38	18C-412	BOLT, Cable to Bracket	1
16	551015	BRACKET, Pedal Pivot	1	39	351131	CONNECTOR, Cable Wire	1
17	1F-316	COTTER, Pedal Pin	1	40	1F-308	COTTER, Wire Connector	1
18	623762	PIN, Pedal to Bracket	1	41	18D-04	NUT, Cable to Bracket	1
19	18C-412	BOLT, Bracket to Floorboard	2	42	583613	BRACKET, Throttle Cable	1
20	593639	ROD, Pedal to Bell Crank Clevis	1	43	535003	CONNECTOR, Cable Wire	1
21	18D-04	NUT, Bracket to Floorboard	2	44	3G-1008	SCREW, Wire Connector	1
	8D-04	NUT, Clevis Jam	1				
	1F-207	COTTER, Clevis Pin	1				

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



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**FRAME ASSEMBLY AND TRANSMISSION MOUNTS — CUMMINS**

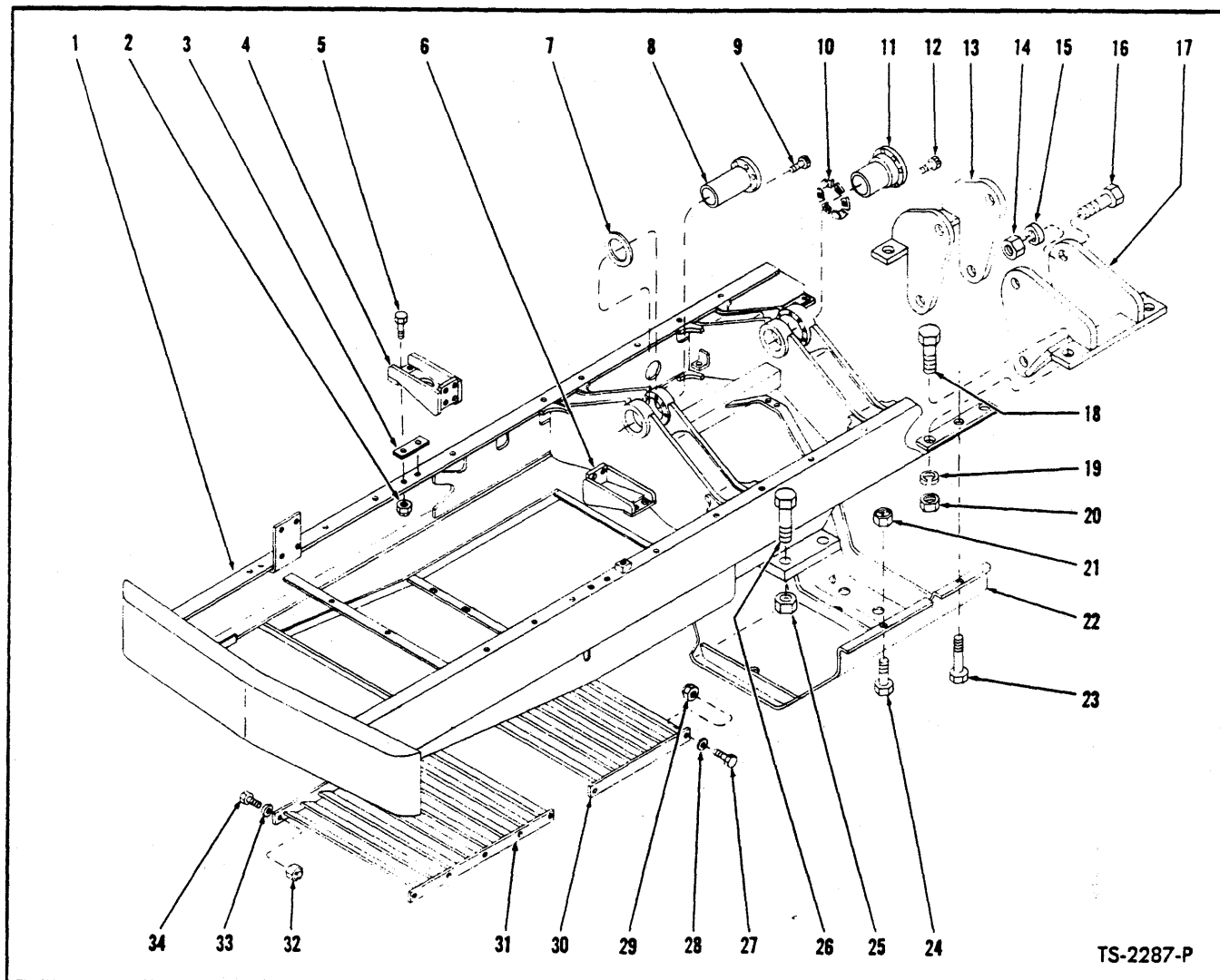
For Serial: 44123 thru 44999, ITC100, ITC101, ITC102

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	583814	*FRAME ASSY .....	1	7	594054	BOLT, Rear Pin Retaining .....	6
2	590517	‡WASHER, Front Trunnion Pin—1/8" .....	—	8	590266	MOUNT, Transmission—R.H. ....	1
2A	572231	‡WASHER, Front Trunnion Pin—3/16" .....	—	9	62D-16	NUT, Transmission to Mount .....	8
2B	572232	‡WASHER, Front Trunnion Pin—1/16" .....	—	10	4E-16	LKWSHR, Transmission to Mount .....	8
3		<i>PIN, Front Trunnion</i>		11	590269	MOUNT, Transmission—L.H. ....	1
3A	590511	For Serial 44123 thru 44164, 44166, 44168, 44169, 44170, 44172 .....	1	12	2C-1644	BOLT, Mount to Frame .....	4
3B	594083	For Serial 44165, 44167, 44171, 44173 thru 44189 .....	1	13	2C-1664	BOLT, Transmission to Mount .....	8
3C	594085	For Serial 44190 thru 44299, ITC100, ITC101, ITC102 .....	1	14	18D-12	NUT, Guard to Frame .....	6
4		<i>BOLT, Front Pin Retaining</i>		15	4E-16	LKWSHR, Mount to Frame .....	4
4A	594579	For Serial 44123 thru 44164, 44166, 44168, 44169, 44170, 44172 .....	4	16	62D-16	NUT, Mount to Frame .....	4
4B	594054	For Serial 44165, 44167, 44171, 44173 thru 44189 .....	4	17	592514	GUARD, Transmission .....	1
4C	594054	For Serial 44190 thru 44299, ITC100, ITC101, ITC102 .....	6	18	2C-1248	BOLT, Guard to Frame .....	2
5	590575	‡SEGMENT, Rear Pin Spacer—1/8" .....	—	19	2C-1236	BOLT, Guard to Frame .....	4
5A	590576	‡SEGMENT, Rear Pin Spacer—1/16" .....	—	20	2C-1236	BOLT, Guard to Frame .....	8
6	590508	PIN, Rear Trunnion .....	1	21	62D-12	NUT, Axle to Frame .....	16
				22	2C-614	BOLT, Cover to Frame .....	4
				23	4E-06	LKWSHR, Cover to Frame .....	4
				24	591617	COVER .....	1
				25	591867	†SUPPORT, Engine — L.H. ....	1
				26	593274	†SUPPORT, Engine — R.H. ....	1
				27	531029	†PAD, Engine Support .....	2
				28	2G1040	†BOLT, Support to Frame .....	4
				29	21D-10	†NUT, Support to Frame .....	4

\*NOTE: When installing 583814 Frame in this serial group the below listed parts are also required. Once conversion has been made refer to page 5A.1 for replacement parts.

1 — 580921	GRILLE	2 — 71D-12	BASE	1 — 581004	PIPE
1 — 580918	GRILLE	16 — 70D-08	NUT	1 — 581009	PIPE
14 — 2C-1024	BOLT	16 — 71D-08	BASE	6 — 2C-618	BOLT
14 — 619031	WASHER	1 — 594085	PIN	8 — 4E-06	LKWSHR
14 — 18D-10	NUT	1 — 590517	WASHER	8 — 2D-06	NUT
1 — 582053	SUPPORT, Eng.	1 — 590518	WASHER	8 — 980055	WASHER
1 — 582056	SUPPORT, Eng.	1 — 580924	GUARD	2 — 2C-624	BOLT
2 — 70D-12	NUT	1 — 594245	SUPPORT	1 — 581022	PIPE

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



TS-2287-P

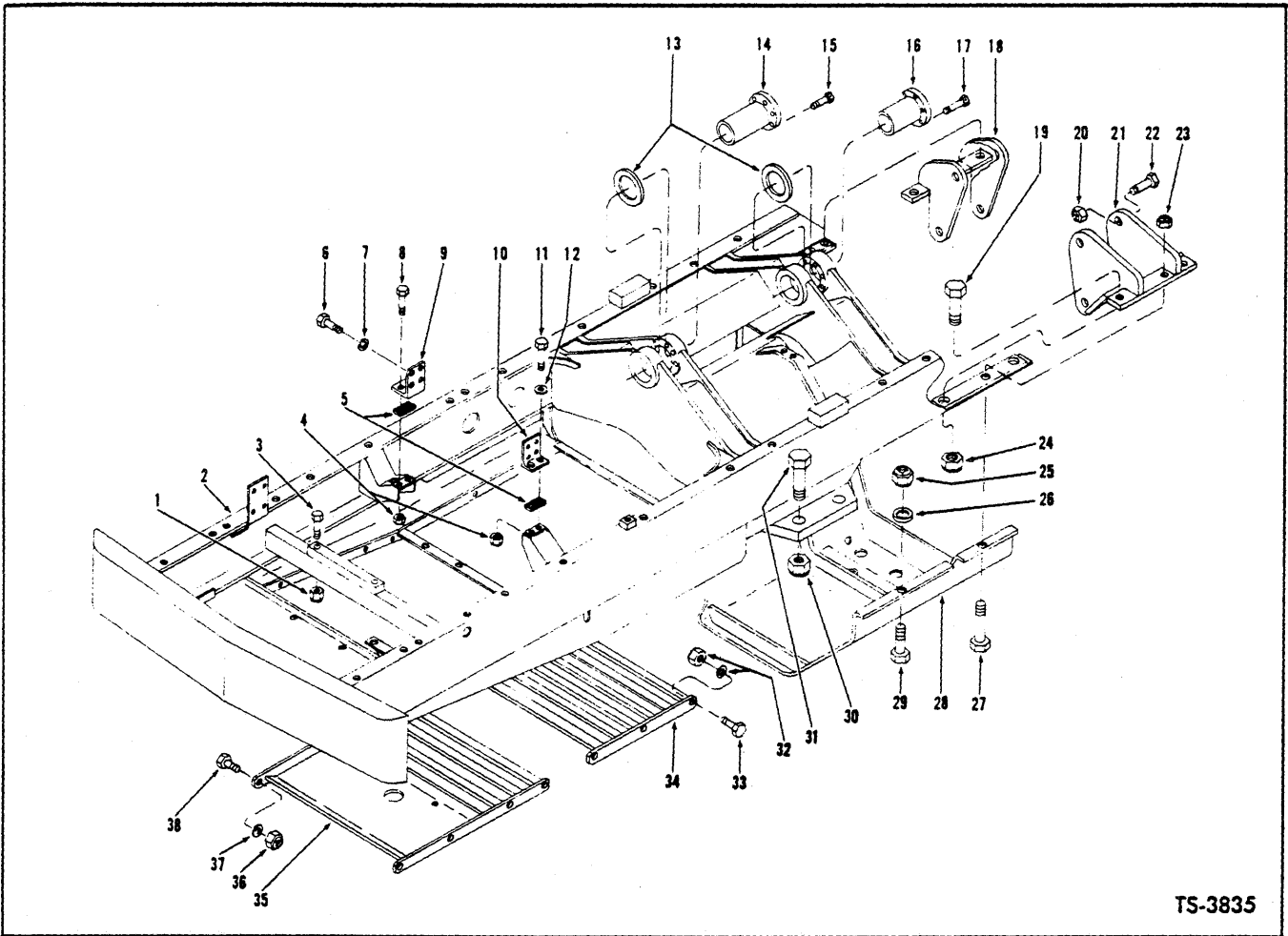
**FRAME ASSEMBLY, ENGINE AND TRANSMISSION MOUNTS — CUMMINS**  
For Serial: 2TC1 thru 2TC30

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	583814	*FRAME ASSY	1	17	590269	MOUNT, Transmission—L.H.	1
2	18D-19	NUT, Support to Frame	4	18	2C-1644	BOLT, Mount to Frame	4
3	531029	PAD, Engine Support	2	19	4E-16	LKWSHR, Mount to Frame	4
4	593274	SUPPORT, Engine — R.H.	1	20	62D-16	NUT, Mount to Frame	4
5	2C-1040	BOLT, Support to Frame	4	21	18D-12	NUT, Guard to Frame	4
6	594245	SUPPORT, Engine — L.H.	1	22	571120	GUARD, Transmission	1
7	590517	‡WASHER, Front Trunnion Pin—1/8"	—	23	2C-1248	BOLT, Guard to Frame	2
7A	572231	‡WASHER, Front Trunnion Pin—3/16"	—	24	2C-1236	BOLT, Guard to Frame	2
7B	572232	‡WASHER, Front Trunnion Pin—1/16"	—	25	62D-16	NUT, Axle to Frame	16
8	594085	PIN, Front Trunnion	1	26	14C-16160	BOLT, Axle to Frame	8
9	594054	BOLT, Front Pin Retaining	6	27	2C-1024	BOLT, Rear Grille to Frame	4
10	590575	‡SEGMENT, Rear Pin Spacer—1/8"	—	28	619031	WASHER, Rear Grille to Frame	4
10A	590576	‡SEGMENT, Rear Pin Spacer—1/16"	—	29	18D-10	NUT, Rear Grille to Frame	4
11	590508	PIN, Rear Trunnion	1	30	580921	GRILLE, Rear	1
12	594054	BOLT, Rear Pin Retaining	6	31	580918	GRILLE, Front	1
13	590266	MOUNT, Transmission—R.H.	1	32	18D-10	NUT, Front Grille to Frame	10
14	62D-16	NUT, Transmission to Mount	8	33	619031	WASHER, Front Grille to Frame	10
15	4E-16	LKWSHR, Transmission to Mount	8	34	2C-1024	BOLT, Front Grille to Frame	10
16	2C-1664	BOLT, Transmission to Mount	8				

‡As Required

\*NOTE: When installing 583814 Frame in this serial group the following parts are also required: 1—582053 Eng. Mount, 1—582056 Eng. Mount, 2—70D-12 Nuts, 2—71D-12 Base 16—70D-08 Nuts & 16—71D-08 Base.

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



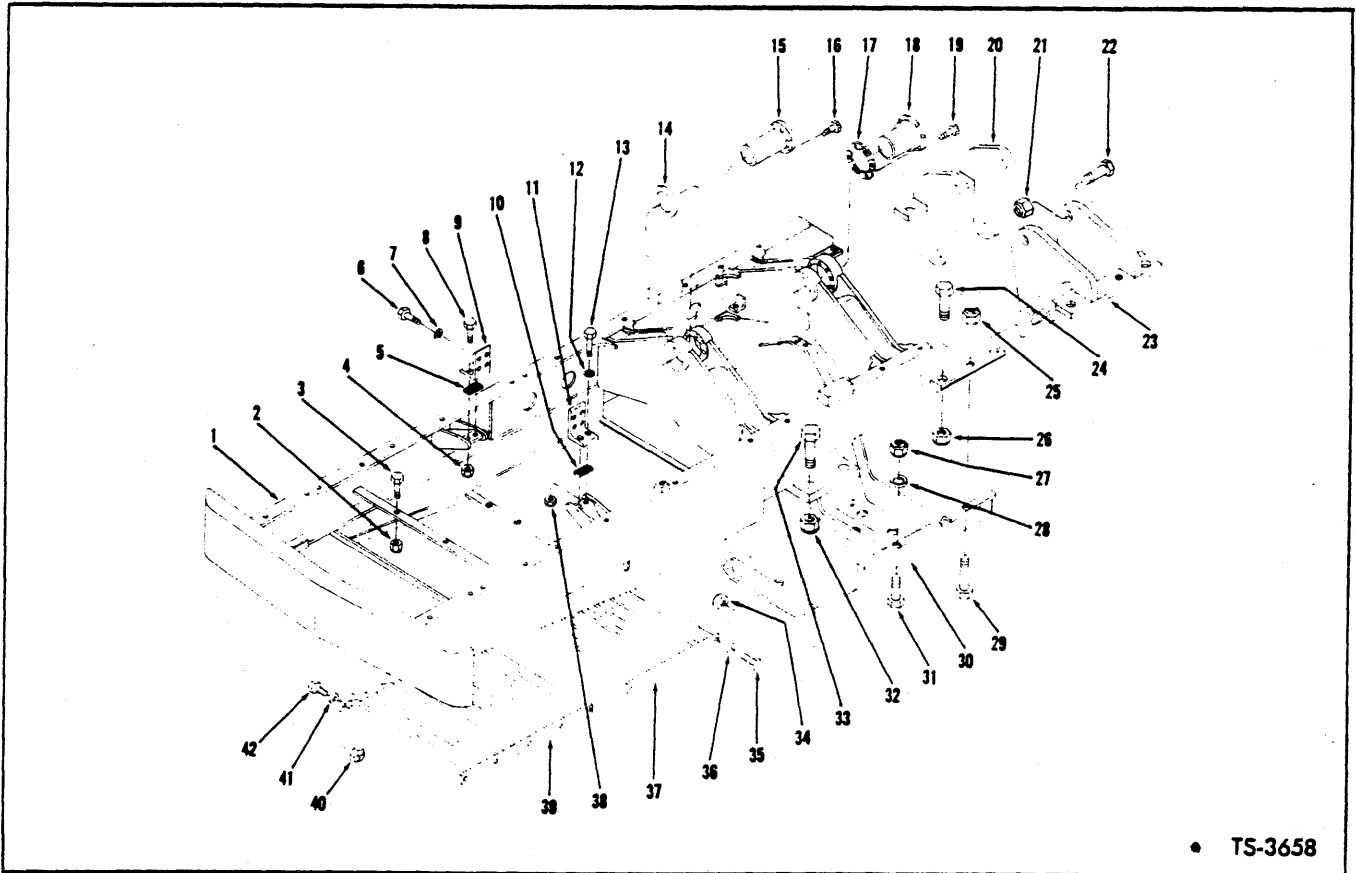
TS-3835

**FRAME ASSEMBLY, ENGINE AND TRANSMISSION MOUNTS — CUMMINS**  
For Serial: 2TC31 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-10	NUT, Engine Trunnion to Frame .....	2	18	590266	MOUNT, Transmission—R.H. ....	1
2	583814	FRAME ASSY .....	1	19	24C-1652	BOLT, Transmission Mount to Frame	4
3	18C-1080	BOLT, Engine Trunnion Frame.....	2	20	18D-16	NUT, Transmission to Mount .....	8
4	68D-10	NUT, Engine Supports to Frame .....	4	21	590269	MOUNT, Transmission — L.H. ....	1
5	531029	PAD, Engine Support .....	2	22	24C-1664	BOLT, Transmission to Mount .....	8
6	17C-828	BOLT, Engine Supports to Flywheel Housing .....	8	23	18D-12	NUT, Transmission Guard & Mount to Frame .....	2
7	4E-08	LKWSHR, Engine Supports to Flywheel Housing .....	8	24	68D-16	NUT, Transmission Mount to Frame..	4
8	18C-1040	BOLT, Engine Support to Frame .....	2	25	70D-12	NUT, Transmission Guard to Frame ..	2
9	582053	SUPPORT, Engine — R.H. ....	1	26	71D-12	BASE, Transmission Guard to Frame	2
10	582056	SUPPORT, Engine — L.H. ....	1	27	18C-1248	BOLT, Trans. Guard & Mnt. to Frame	2
11	18C-1040	BOLT, Engine Support to Frame.....	2	28	571120	GUARD, Transmission .....	1
12	616800	WASHER, Engine Support to Frame	2	29	18C-1236	BOLT, Transmission Guard to Frame	2
13	572232	‡WASHER, Front & Rear Trunnion Pin — 1/16" .....	—	30	68D-16	NUT, Axle to Frame .....	8
13A	572231	‡WASHER, Front & Rear Trunnion Pin — 3/16" .....	—	31	24C-16160	BOLT, Axle to Frame .....	8
14	594085	PIN, Front Trunnion .....	1	32	18D-10	NUT, Rear Grille to Frame .....	6
15	594054	BOLT, Front Trunnion Pin Retaining	6	32A	619031	WASHER, Rear Grille to Frame .....	6
15A	28H-16151	LOCKWIRE, Retaining Bolt .....	3	33	18C-1024	BOLT, Rear Grille to Frame .....	6
16	594085	PIN, Front Trunnion .....	1	34	580921	GRILLE, Rear .....	1
17	594054	BOLT, Front Trunnion Pin Retaining	6	35	580918	GRILLE, Front .....	1
17A	28H-16151	LOCKWIRE, Retaining Bolt .....	3	36	18D-10	NUT, Front Grille to Frame .....	8
				37	619031	WASHER, Front Grille to Frame.....	8
				38	18C-1024	BOLT, Front Grille to Frame .....	8

‡As Required

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



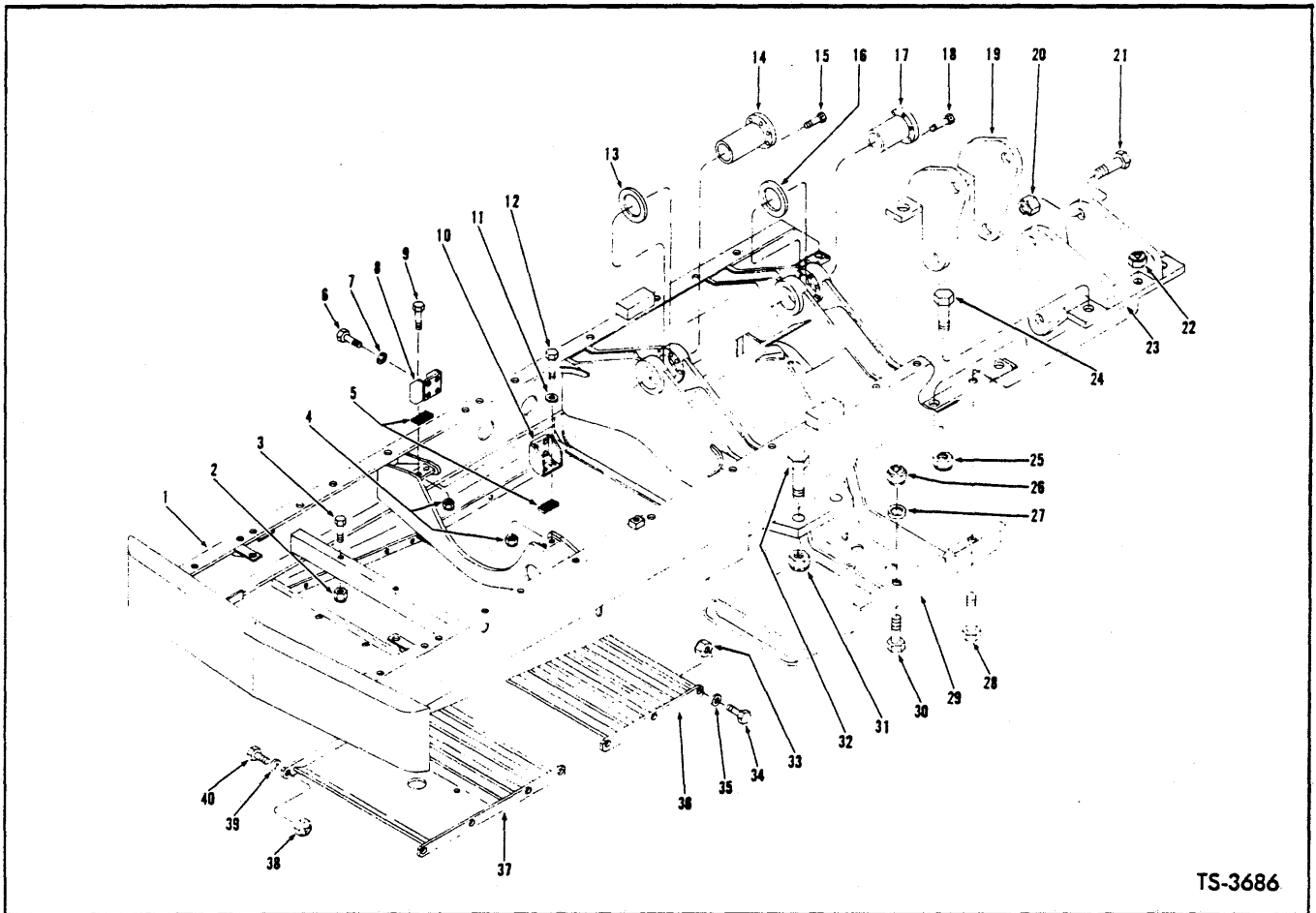
**FRAME ASSEMBLY, ENGINE AND TRANSMISSION MOUNTS —G.M.**

**For Serial 2TG101 thru 2TG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	582271	FRAME ASSY .....	1	19A	28H-16151 †	LOCKWIRE, Trunnion Pin Retaining Bolt .....	3
2	18D-10	NUT, Engine Trunnion to Frame .....	2	20	590266	MOUNT, Transmission — R.H. ....	1
3	18C-1036	BOLT, Engine Trunnion to Frame .....	2	21	18D-16	NUT, Transmission to Mount .....	8
4	68D-10	NUT, Engine Support to Frame .....	2	22	18C-1664	BOLT, Transmission to Mount .....	8
5	581757	PAD, Engine Support .....	1	23	590269	MOUNT, Transmission — L.H. ....	1
6	17C-1028	BOLT, Engine Support to Flywheel Housing .....	8	24	18C-1652	BOLT, Trans. Mount to Frame .....	4
7	4E-10	LKWSHR, Engine Support to Flywheel Housing .....	8	25	18D-12	NUT, Transmission Guard to Frame ..	2
8	18C-1044	BOLT, Engine Support to Frame .....	2	26	68D-16	NUT, Transmission Mount to Frame ..	4
9	581756	SUPPORT, Engine — R.H. ....	1	27	70D-12	NUT, Transmission Guard to Frame ..	2
10	581757	PAD, Engine Support .....	1	28	71D-12	BASE, Transmission Guard to Frame ..	2
11	582103	SUPPORT, Engine — L.H. ....	1	29	2C-1248	BOLT, Transmission Guard to Frame ..	2
12	616800	WASHER, Engine Support to Frame ..	2	30	571120	GUARD, Transmission .....	1
13	18C-1044	BOLT, Engine Support to Frame .....	2	31	2C-1236	BOLT, Transmission Guard to Frame ..	2
14	590517	‡WASHER, Front Trunnion Pin — 1/8" —	—	32	68D-16	NUT, Axle to Frame .....	8
14A	572231	‡WASHER, Front Trunnion Pin — 3/16" —	—	33	24C-16160	BOLT, Axle to Frame .....	8
14B	572232	‡WASHER, Front Trunnion Pin — 1/16" —	—	34	18D-10	NUT, Rear Grille to Frame .....	6
15	594085	PIN, Front Trunnion .....	1	35	18C-1024	BOLT, Rear Grille to Frame .....	6
16	594054	BOLT, Trunnion Pin Retaining .....	6	36	619031	WASHER, Rear Grille to Frame .....	6
16A	28H-16151 †	LOCKWIRE, Trunnion Pin Retaining Bolt .....	3	37	580921	GRILLE, Rear .....	1
17	590575	‡SEGMENT, Rear Pin Spacer—1/8" ....	—	38	68D-10	NUT, Engine Support to Frame .....	2
17A	590576	‡SEGMENT, Rear Pin Spacer—1/8" ....	—	39	580918	GRILLE, Front .....	1
18	590508	PIN, Rear Trunnion .....	1	40	18D-10	NUT, Front Grille to Frame .....	8
19	594054	BOLT, Trunnion Pin Retaining .....	6	41	619031	WASHER, Front Grille to Frame .....	8
				42	18C-1024	BOLT, Front Grille to Frame .....	8

‡As Required  
†Not Illustrated

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



TS-3686

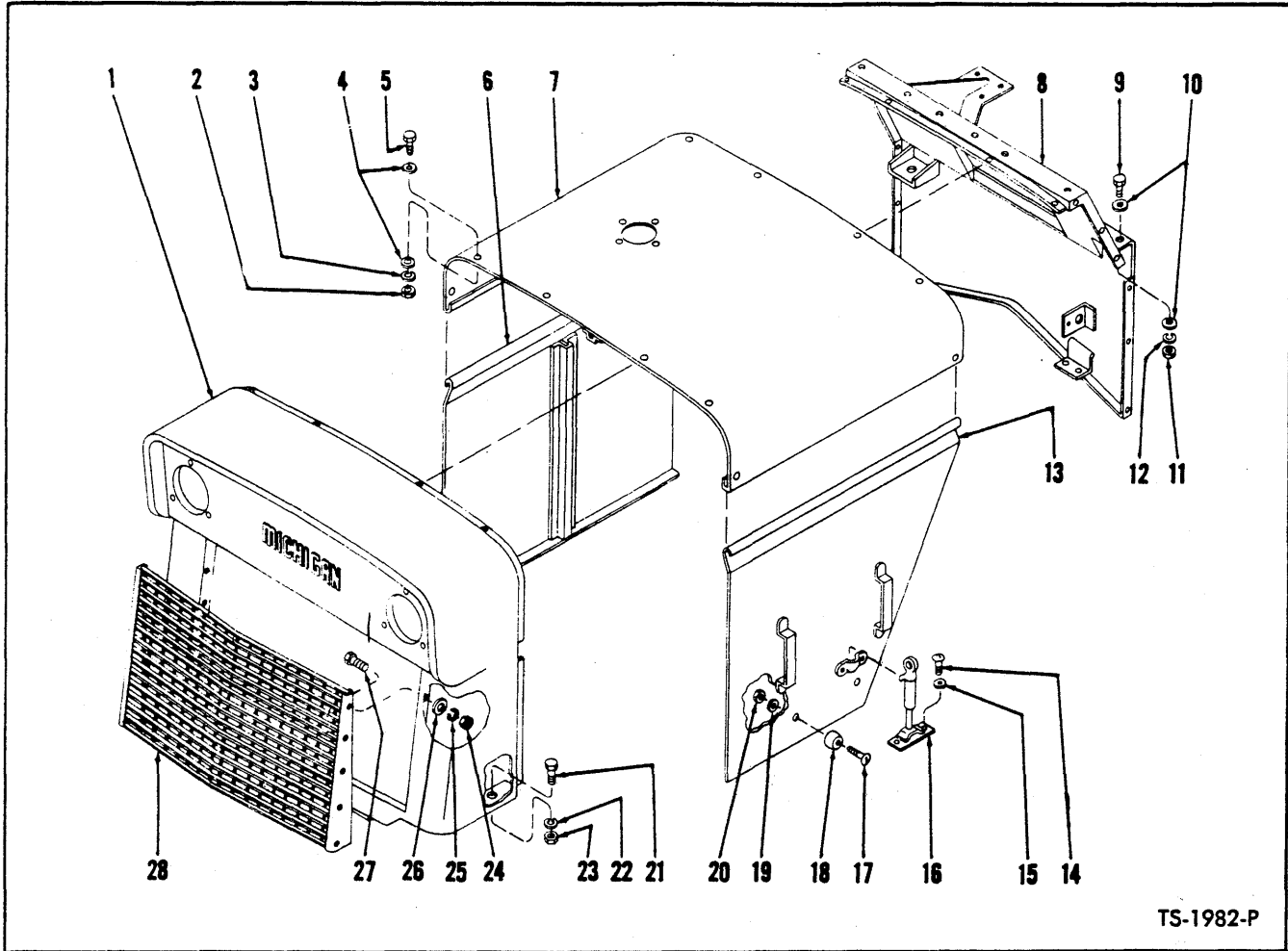
**FRAME ASSEMBLY, ENGINE AND TRANSMISSION MOUNTS — G.M.**  
**For Serial 3TG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	583848	FRAME ASSY .....	1	19	590266	MOUNT, Transmission — R.H. ....	1
2	18D-10	NUT, Engine Trunnion to Frame .....	2	20	18D-16	NUT, Transmission to Mount .....	8
3	18C-1036	BOLT, Engine Trunnion to Frame ....	2	21	24C-1664	BOLT, Transmission to Mount .....	8
4	68D-10	NUT, Engine Supports to Frame .....	4	22	18D-12	NUT, Transmission Guard & Mount to Frame .....	2
5	544011	PAD, Engine Support .....	2	23	590269	MOUNT, Transmission — L.H. ....	1
6	17C-828	BOLT, Engine Supports to Flywheel Housing .....	8	24	24C-1652	BOLT, Transmission Mount to Frame	4
7	4E-08	LKWSHR, Engine Supports to Flywheel Housing .....	8	25	68D-16	NUT, Transmission Mount to Frame .	4
8	585557	SUPPORT, Engine — R.H. ....	1	26	70D-12	NUT, Transmission Guard to Frame ..	2
9	18C-1040	BOLT, Engine Support to Frame .....	2	27	71D-12	BASE, Transmission Guard to Frame .	2
10	583729	SUPPORT, Engine — L.H. ....	1	28	18C-1248	BOLT, Transmission Guard & Mount to Frame .....	2
11	616800	WASHER, Engine Support to Frame .	2	29	571120	GUARD, Transmission .....	1
12	18C-1040	BOLT, Engine Support to Frame .....	2	30	18C-1236	BOLT, Transmission Guard to Frame	2
13	572231	‡WASHER, Trunnion Pin — 3/16" .....	—	31	68D-16	NUT, Axle to Frame .....	8
13A	572232	‡WASHER, Trunnion Pin — 1/16" .....	—	32	24C-16160	BOLT, Axle to Frame .....	8
14	594085	PIN, Front Trunnion .....	1	33	18D-10	NUT, Rear Grille to Frame .....	6
15	594054	BOLT, Front Trunnion Pin Retaining ...	6	34	18C-1032	BOLT, Rear Grille to Frame .....	6
15A	28H-16151	‡LOCKWIRE, Retaining Bolt .....	—	35	616800	WASHER, Rear Grille to Frame .....	6
16	572231	‡WASHER, Trunnion Pin — 3/16" .....	—	36	580921	GRILLE, Rear .....	1
16A	572232	‡WASHER, Trunnion Pin — 1/16" .....	—	37	583633	GRILLE, Front .....	1
17	594085	PIN, Rear Trunnion .....	1	38	18D-10	NUT, Front Grille to Frame .....	8
18	594054	BOLT, Rear Trunnion Pin Retaining .	6	39	616800	WASHER, Front Grille to Frame .....	8
18A	28H-16151	‡LOCKWIRE, Retaining Bolt .....	—	40	18C-1032	BOLT, Front Grille to Frame .....	8

‡As Required

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





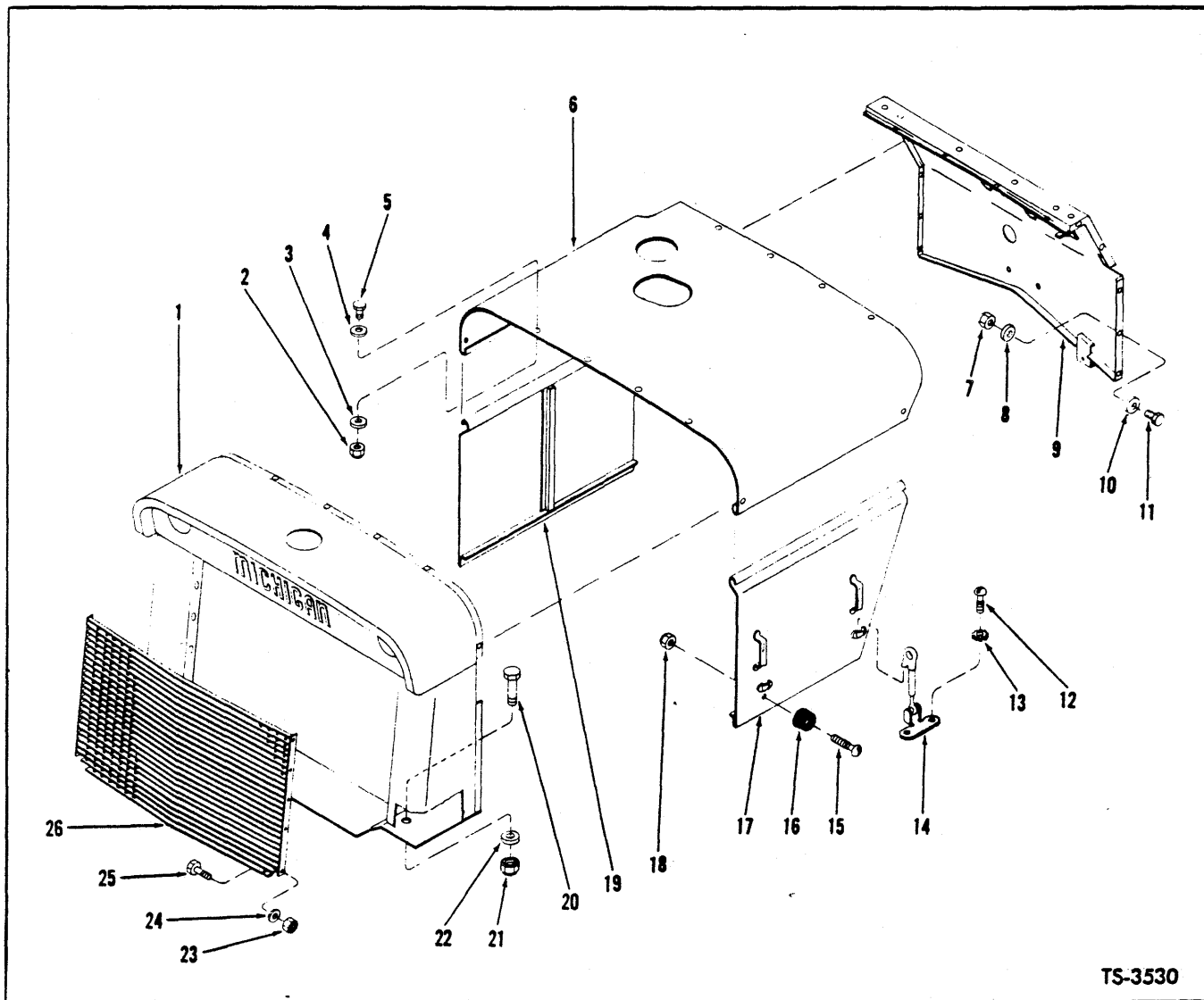
TS-1982-P

**FIREWALL, GRILLE, HOOD AND SIDE PANELS — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	580966	GRILLE ASSY (inc. 24 thru 28).....	1	21	2C-832	BOLT, Grille to Frame .....	4
2	2D-06	NUT, Hood to Grille & Firewall .....	12	22	4E-08	LKWSHR, Grille to Frame (For Serial 44123 thru 44999; 2TC1 thru 2TC30).....	4
3	4E-06	LKWSHR, Hood to Grille & Firewall ..	12	22A	71D-08	BASE, Grille to Frame (For Serial 2TC31 & after) .....	4
4	980055	WASHER, Hood to Grille & Firewall ..	24	23	2D-08	NUT, Grille to Frame (For Serial 44123 thru 44999, 2TC1 thru 2TC30) .....	4
5	2C-616	BOLT, Hood to Grille & Firewall .....	12	23A	70D-08	NUT, Grille to Frame (For Serial 2TC31 & after) .....	4
6	591561	PANEL, R.H. Hood Side .....	1	24	2D-06	NUT, Grille to Grille (For Serial 44123 thru 44999, 2TC1 thru 2TC30) .....	10
7	1505220	*HOOD .....	1	24A	18D-06	NUT, Grille to Grille (For Serial 2TC31 & after) .....	10
8	594262	FIREWALL .....	1	25	4E-06	LKWSHR, Grille to Grille .....	10
9	2C-616	BOLT, Firewall Attaching .....	11	26	980055	WASHER, Grille to Grille .....	10
10	980055	WASHER, Firewall Attaching .....	22	27	2C-616	BOLT, Grille to Grille .....	10
11	2D-06	NUT, Firewall Attaching .....	11	28	580967	GRILLE, Replaceable .....	1
12	4E-06	LKWSHR, Firewall Attaching .....	11				
13	591560	PANEL, L.H. Hood Side .....	1				
14	2G-1006	SCREW, Hood Latch .....	8				
15	12E-10	LKWSHR, Hood Latch .....	8				
16	614644	CATCH, Hood Side Panel .....	4				
17	3G-814	SCREW, Bumper to Panel .....	4				
18	551434	BUMPER, Hood Side Panel .....	4				
19	12E-8	LKWSHR, Bumper to Panel .....	4				
20	12D-8	NUT, Bumper to Panel .....	4				

\*NOTE: When 1505220 Hood is installed on machines Serial 44124 thru 44299, 1TC100, 1TC101 & 1TC102 use 1-594984 Exhaust Pipe, 1-525535 Flange, 4-2C-620 Bolts and 1-1504918 Drawing. For machines other than Serial numbers listed the Exhaust Pipe, Flange & Bolts are not required.

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



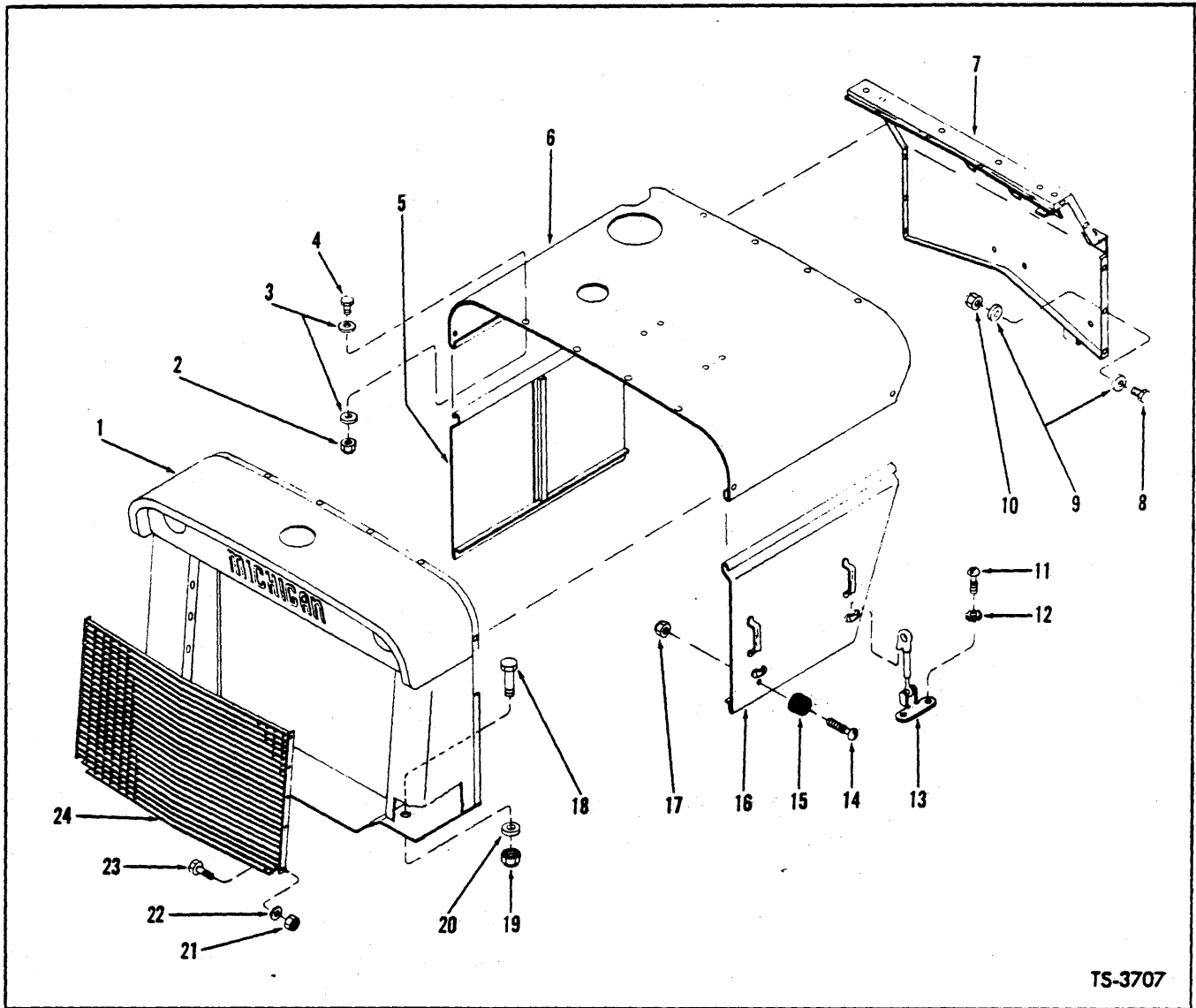
TS-3530

**FIREWALL, GRILLE, HOOD AND SIDE PANELS — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	580966	GRILLE ASSY (Inc. 23 thru 26)	1	14	614644	LATCH, Hood Side Panel	4
2	18D-06	NUT, Hood Attaching	11	15	3G-814	SCREW, Bumper to Side Panel	4
3	980055	WASHER, Hood Attaching	11	16	551434	BUMPER, Hood Side Panel	4
4	980055	WASHER, Hood Attaching	11	17	591560	PANEL, L.H. Hood Side	1
5	18C-616	BOLT, Hood Attaching	11	18	50D-8	NUT, Bumper to Side Panel	4
6	582214	*HOOD	1	19	591561	PANEL, R.H. Hood Side	1
7	18D-06	NUT, Firewall Attaching	11	20	18C-832	BOLT, Radiator Grille to Frame Att.	4
8	980055	WASHER, Firewall Attaching	11	21	70D-08	NUT, Radiator Grille to Frame Att.	4
9	582161	FIREWALL	1	22	71D-08	BASE, Radiator Grille to Frame Att.	4
10	980055	WASHER, Firewall Attaching	11	23	18D-06	NUT, Grille Attaching	10
11	18C-616	BOLT, Firewall Attaching	11	24	980055	WASHER, Grille Attaching	10
12	2G-1006	SCREW, Latch Attaching	8	25	18C-616	BOLT, Grille Attaching	10
13	12E-10	LKWSHR, Latch Attaching	8	26	580967	GRILLE	1

\*NOTE: For replacement use 1505220 Hood plus 1-1504918 Drawing.

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



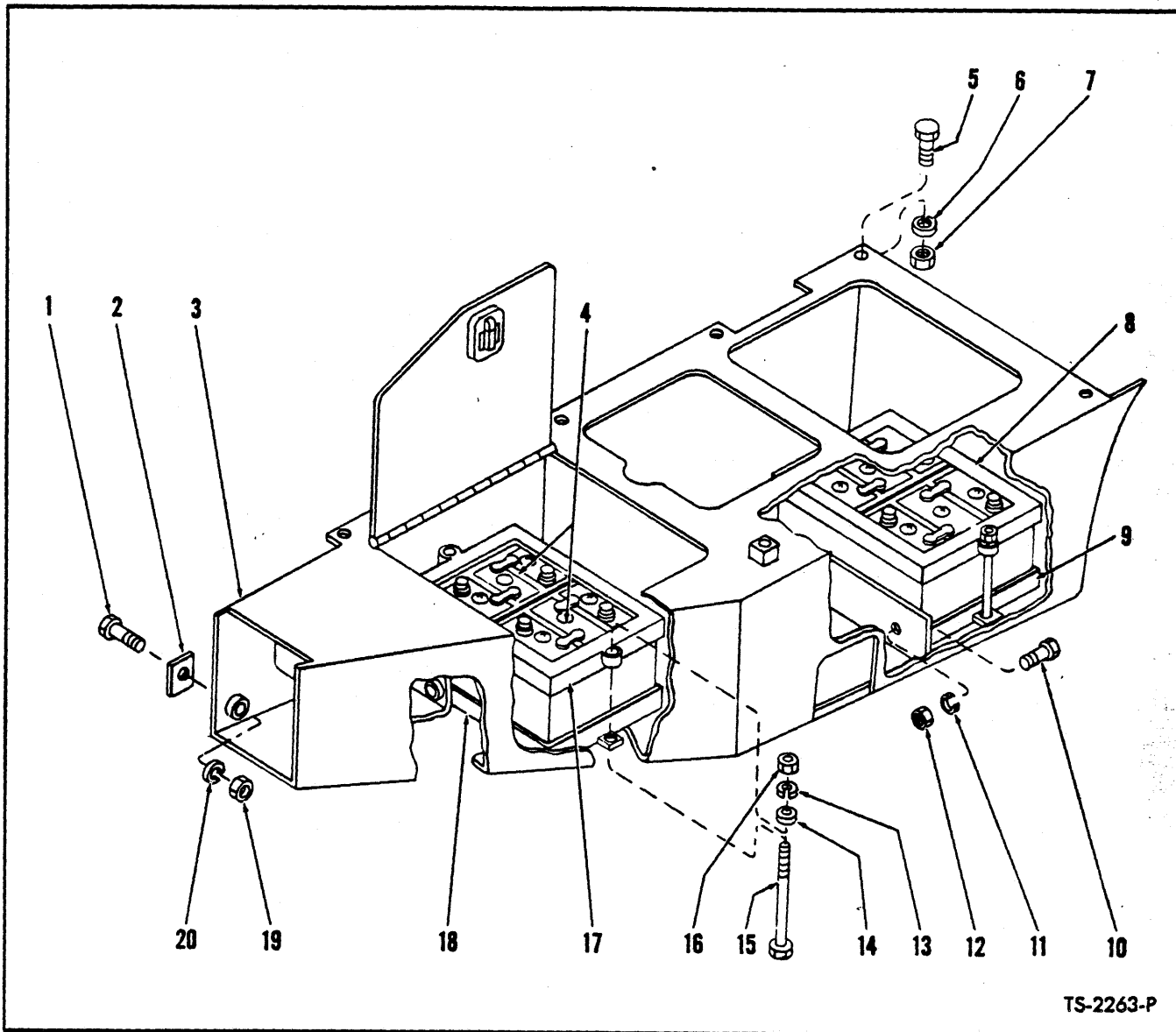
TS-3707

**FIREWALL, GRILLE, HOOD AND SIDE PANELS —G.M.**  
For Serial 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	583620	GRILLE ASSY (Inc. 21 thru 24)	1	13	614644	LATCH, Hood Side Panel	4
2	18D-06	NUT, Hood Attaching	11	14	3G-814	SCREW, Bumper to Side Panel	4
3	980055	WASHER, Hood Attaching	22	15	551434	BUMPER, Hood Side Panel	4
4	18C-616	BOLT, Hood Attaching	11	16	591560	PANEL, Hood Side — L.H.	1
5	591561	PANEL, Hood Side — R.H.	1	17	50D-8	NUT, Bumper to Side Panel	4
6	583616	*HOOD	1	18	18C-832	BOLT, Radiator Grille to Frame	4
7	583736	FIREWALL	1	19	70D-08	NUT, Radiator Grille to Frame	4
8	18C-616	BOLT, Firewall Attaching	11	20	71D-08	BASE, Radiator Grille to Frame	4
9	980055	WASHER, Firewall Attaching	22	21	18D-06	NUT, Grille Attaching	10
10	18D-06	NUT, Firewall Attaching	11	22	980055	WASHER, Grille Attaching	10
11	2G-1006	SCREW, Latch Attaching	8	23	18C-616	BOLT, Grille Attaching	10
12	12E-10	LKWSHR, Latch Attaching	8	24	580967	GRILLE	1

\*NOTE: For replacement use 1505220 Hood plus 1-1504918 Drawing.

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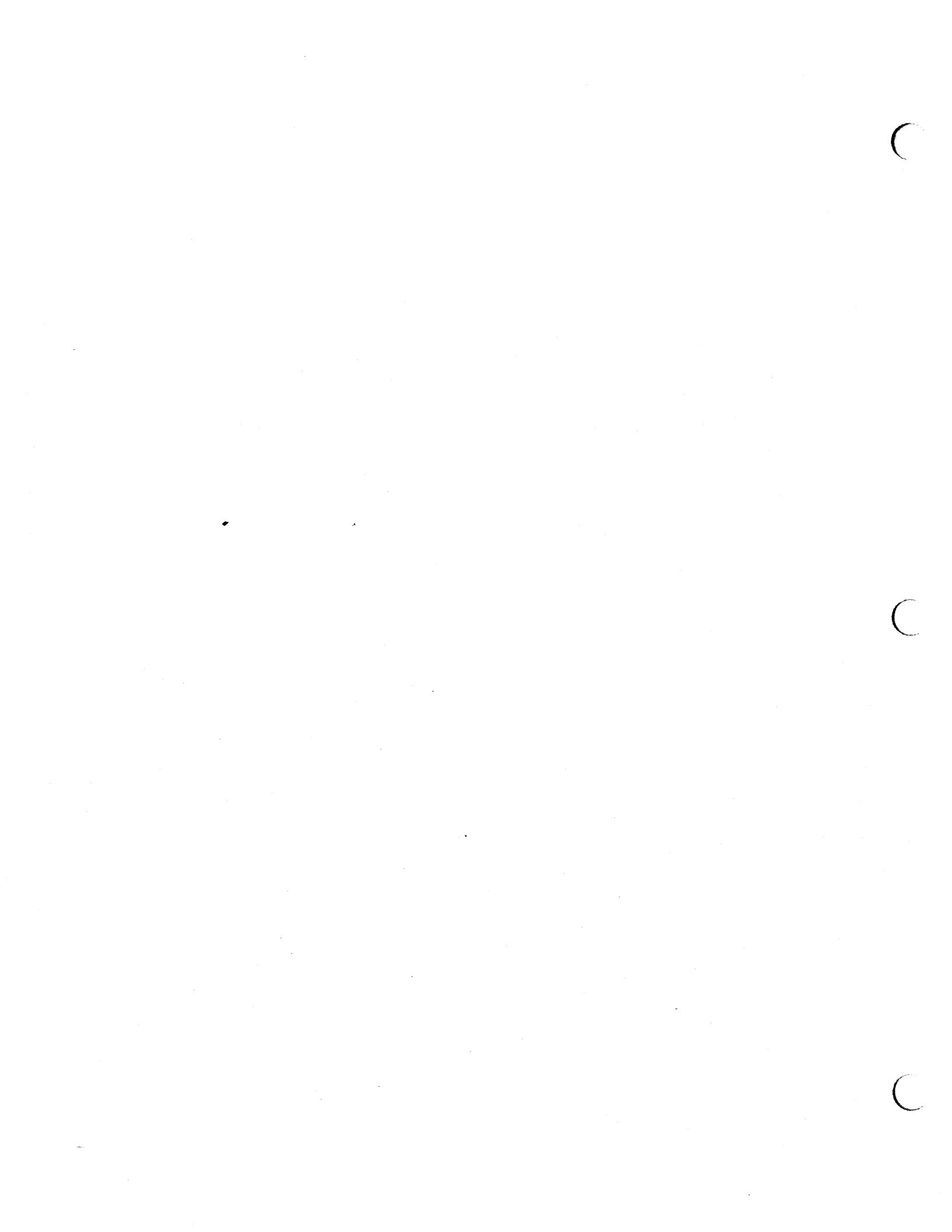


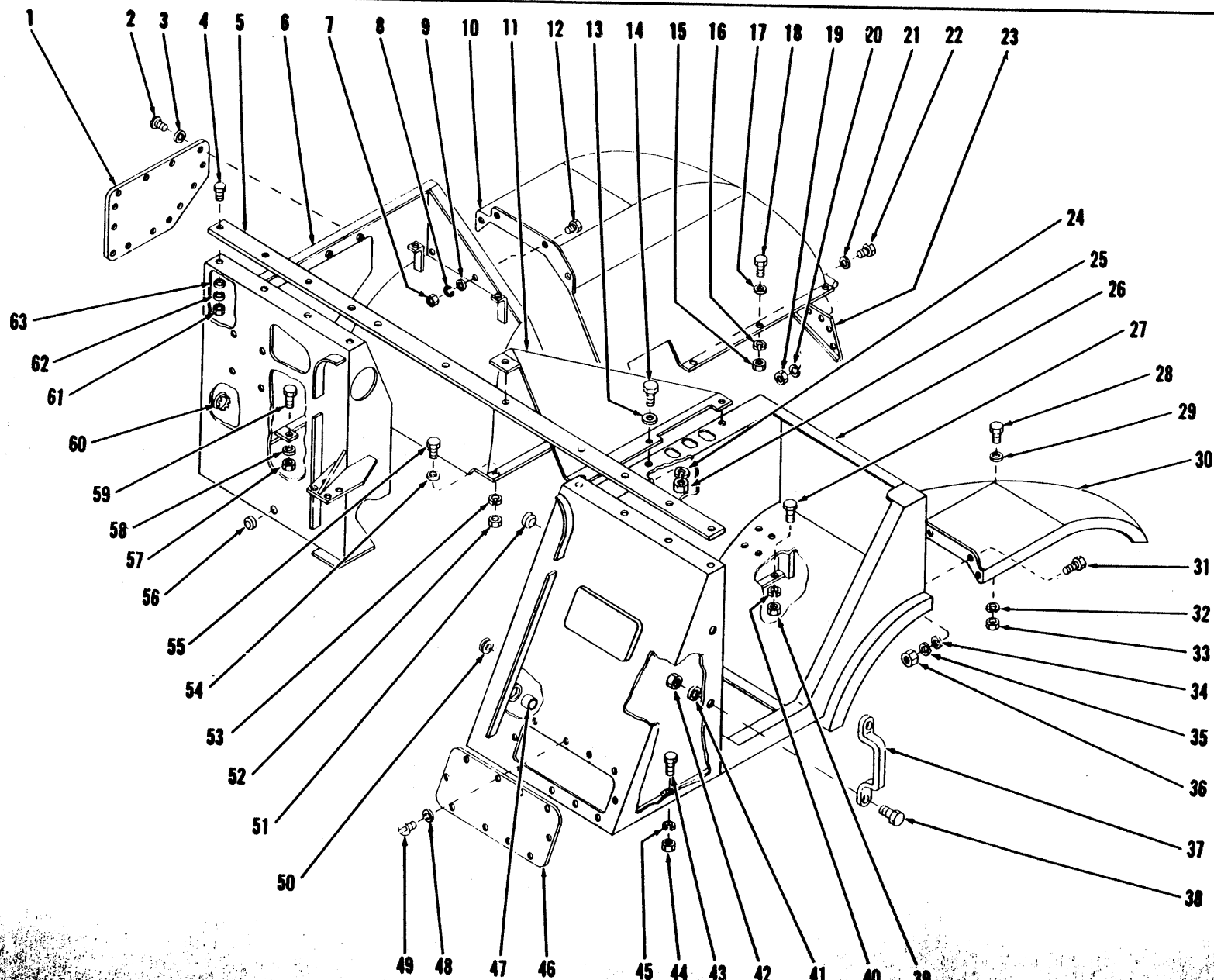
**BATTERY COMPARTMENT AND BATTERIES — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-1024	BOLT, Compartment to Frame .....	3	9	594230	BOX, Battery .....	1
1A	4E-10	†LKWSHR, Compartment to Frame — Forward Bolt .....	1	10	18C-612	BOLT, Battery Box to Compartment	8
2	591187	‡SPACER, Compartment to Frame ....	—	11	4E-06	LKWSHR, Battery Box to Compartment	2
3	594219	COMPARTMENT, Battery .....	1	12	18D-06	NUT, Battery Box to Compartment ..	6
4	—	BATTERY—EXIDE #XF-19 .....	4	13	—	OMIT, Not Used .....	—
5	18C-828	BOLT, Compartment to Frame—Top	5	14	103293	WASHER, Hold Down Cover .....	4
5A	584092	†WASHER, Compartment Mtg. ....	3	15	11C-6152	BOLT, Hold Down Cover .....	4
6	4E-08	*LKWSHR, Compartment to Frame ...	5	16	17D-03	NUT, Hold Down Cover .....	4
6A	71D-08	**†BASE, Compartment Mtg. ....	5	17	590410	COVER, Battery Hold Down .....	1
7	2D-08	*NUT, Compartment to Frame .....	5	18	594230	BOX, Battery .....	1
7A	70D-08	**†NUT, Compartment Mtg. ....	5	19	2D-10	*NUT, Compartment to Frame .....	2
8	590410	COVER, Battery Hold Down .....	1	19A	18D-10	**NUT, Compartment Mtg. ....	2
				20	4E-10	LKWSHR, Compartment to Frame ....	3

\*NOTE: For Serial: 44123 thru 44999, 1TC100 thru 1TC102, 2TC101 thru 2TC30  
 \*\*NOTE: For Serial: 2TC31 & after

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





COCKPIT, OIL RESERVOIR COMPARTMENT AND FENDERS - CUMMINS  
For Serial: 44123 thru 44299, 1TC100 thru 2TC999

TS-2290-P

8-1

(1C21)

PL 1280

**COCKPIT, OIL RESERVOIR COMPARTMENT AND FENDERS — CUMMINS**

For Serial: 44123 thru 44299, 1TC100 thru 2TC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	580712	COVER, Oil Reservoir Compartment	1	33	18D-06	NUT, Fender to Frame.....	4
2	31G-408	SCREW, Cover to Compartment	13	34	980055	WASHER, Fender to Cockpit .....	4
3	4E-04	LKWSHR, Cover to Compartment	13	35	4E-06	LKWSHR, Fender to Cockpit.....	4
4	2C-616	BOLT, Tie Plate .....	14	36	2D-06	NUT, Fender to Cockpit .....	4
5	594107	PLATE, Cockpit, Firewall & Oil Reser- voir Compartment Tie .....	1	37	503146	HANDLE, Access .....	1
6	580850	*COMPARTMENT, Oil Reservoir	1	38	2C-512	BOLT, Handle to Cockpit .....	2
7	2D-06	NUT, Fender to Compartment ..	4	39	2D-08	**NUT, Cockpit to Frame.....	1
8	4E-06	LKWSHR, Fender to Compartment	4	39A	70D-08	***NUT, Cockpit to Frame .....	1
9	980055	WASHER, Fender to Compartment ..	4	40	4E-08	**LKWSHR, Cockpit to Frame.....	1
10	592531	FENDER, R.H. ....	1	40A	71D-08	***BASE, Cockpit to Frame.....	1
11	594063	SHIELD, Heat .....	1	41	4E-05	LKWSHR, Handle to Cockpit .....	2
12	2C-616	BOLT, Fender to Compartment	4	42	18D-05	NUT, Handle to Cockpit .....	2
13	980055	WASHER, Shield Mounting .....	4	43	2C-816	BOLT, Cockpit to Battery Comp.....	2
14	2C-612	BOLT, Shield Mounting .....	2	44	2D-08	**NUT, Cockpit to Battery Comp. ....	1
15	18D-06	NUT, Fender to Frame .....	4	44A	70D-08	***NUT, Cockpit to Battery Comp. ....	1
16	-----	OMIT, Not Used .....	-----	45	4E-08	**LKWSHR, Cockpit to Battery Compartment .....	2
17	980055	WASHER, Fender to Frame.....	4	45A	71D-08	***BASE, Cockpit to Battery Comp.....	2
18	2C-618	BOLT, Fender to Frame .....	4	46	593152	PLATE, Front Cockpit Cover.....	1
19	18D-06	NUT, Gusset to Fender & Frame.....	10	47	594418	BUSHING, Pitman Shaft .....	1
20	-----	OMIT, Not Used .....	-----	48	6E-04	LKWSHR, Cover Plate.....	10
21	980055	WASHER, Gusset to Fender & Frame	10	49	4G-408	SCREW, Cover Plate .....	10
22	2C-614	BOLT, Gusset to Fender & Frame .....	10	50	511426	GROMMET, Tachometer Cable .....	1
23	594743	GUSSET, Fender, R.H. ....	1	51	530533	GROMMET, Wiring Harness.....	1
23A	594742	GUSSET, Fender, L.H. ....	1	52	2D-06	NUT, Compartment to Frame .....	3
24	4E-06	LKWSHR, Shield Mounting .....	2	53	4E-06	LKWSHR, Compartment to Frame .....	3
25	2D-06	NUT, Shield Mounting .....	2	54	980055	WASHER, Compartment to Frame .....	3
26	583391	COCKPIT (See Note "A") .....	1	55	2C-618	BOLT, Compartment to Frame.....	3
27	2C-832	BOLT, Cockpit to Frame .....	1	56	511426	GROMMET, Fuel Sender Wire.....	1
28	2C-618	BOLT, Fender to Frame .....	4	57	2D-08	NUT, Compartment to Fuel Tank.....	1
29	980055	WASHER, Fender to Frame .....	4	58	4E-08	LKWSHR, Compartment to Fuel Tank .....	2
30	592532	FENDER, L.H. ....	1	59	2C-816	BOLT, Compartment to Fuel Tank .....	2
31	2C-614	BOLT, Fender to Cockpit .....	4	60	641282	PLUG BUTTON .....	1
32	-----	OMIT, Not Used .....	-----	61	2D-06	NUT, Tie Plate .....	14
				62	4E-06	LKWSHR, Tie Plate .....	14
				63	980055	WASHER, Tie Plate .....	14
				64	590679	†PLATE, Steering Column Cover.....	1
				65	18G-1406	†SCREW, Cover Plate .....	4

†Not Illustrated

\*NOTE: When 580850 Oil Reservoir Compartment is installed in machine Serials 44124 thru 44299, 1TC100, 1TC101 and 1TC102 items 1, 2 and 3 must be used.

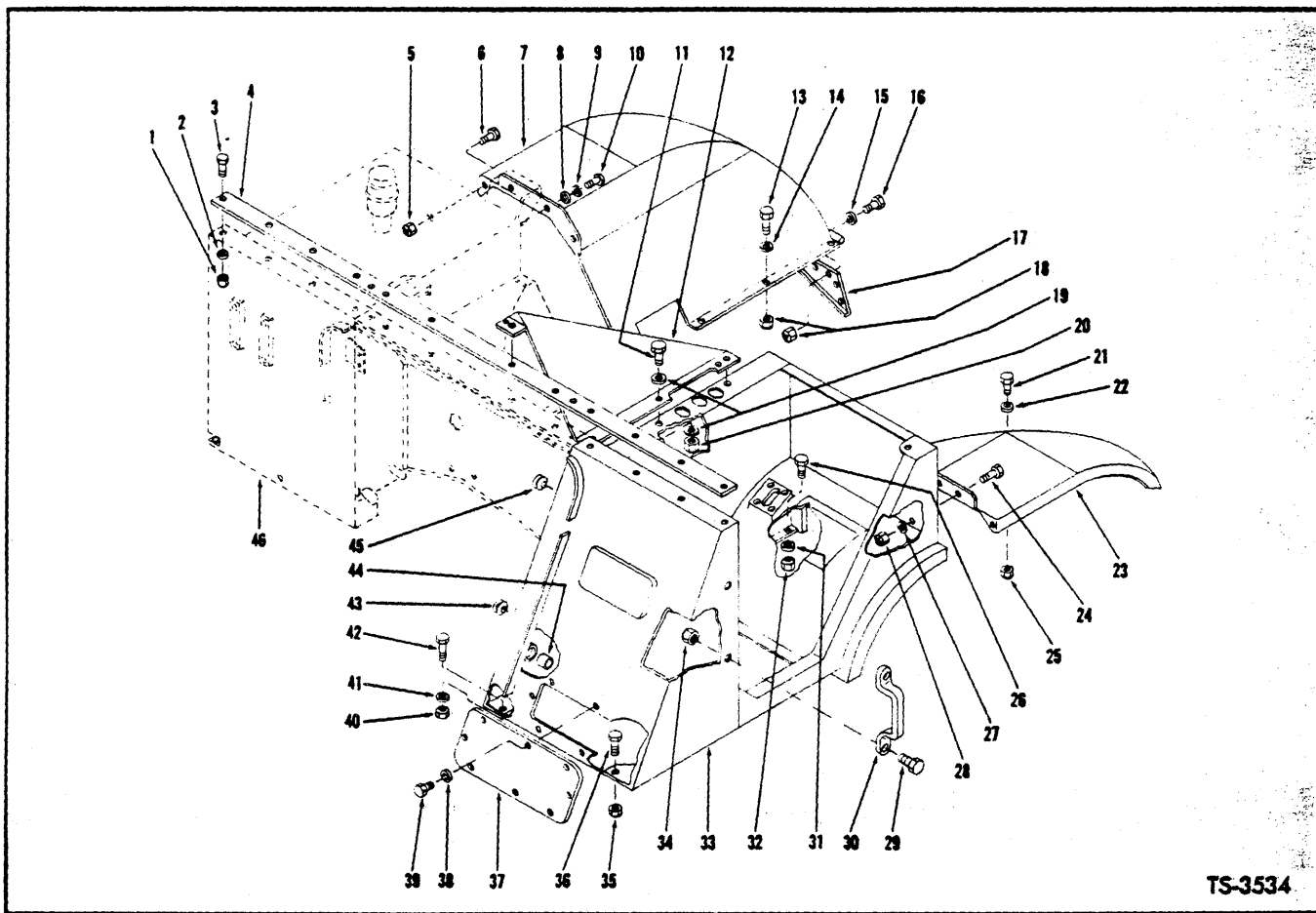
\*\*NOTE: For Serial: 44123 thru 44999, 1TC100 thru 1TC102, 2TC1 thru 2TC30

\*\*\*NOTE: For Serial 2TC31 & after

NOTE "A": When 583391 Cockpit is installed in machine Serials 44124 thru 44299, 1TC100, 1TC101 and 1TC102, 2TC1 thru 2TC30 the following parts must be used:

- 580842 FLOORBOARD, Rear
- 580843 FLOORBOARD, Front
- 580845 PLATE, Floorboard Clamp
- 2C-612 BOLT
- 4E-06 LKWSHR
- 980055 WASHER
- 18C-614 BOLT
- 18C-410 BOLT
- 18D-06 NUT
- 583886 VENT
- 583887 GASKET
- 583396 PLATE

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



TS-3534

**COCKPIT AND FENDERS — G.M.**  
For Serial 2TG101 thru 2TG999

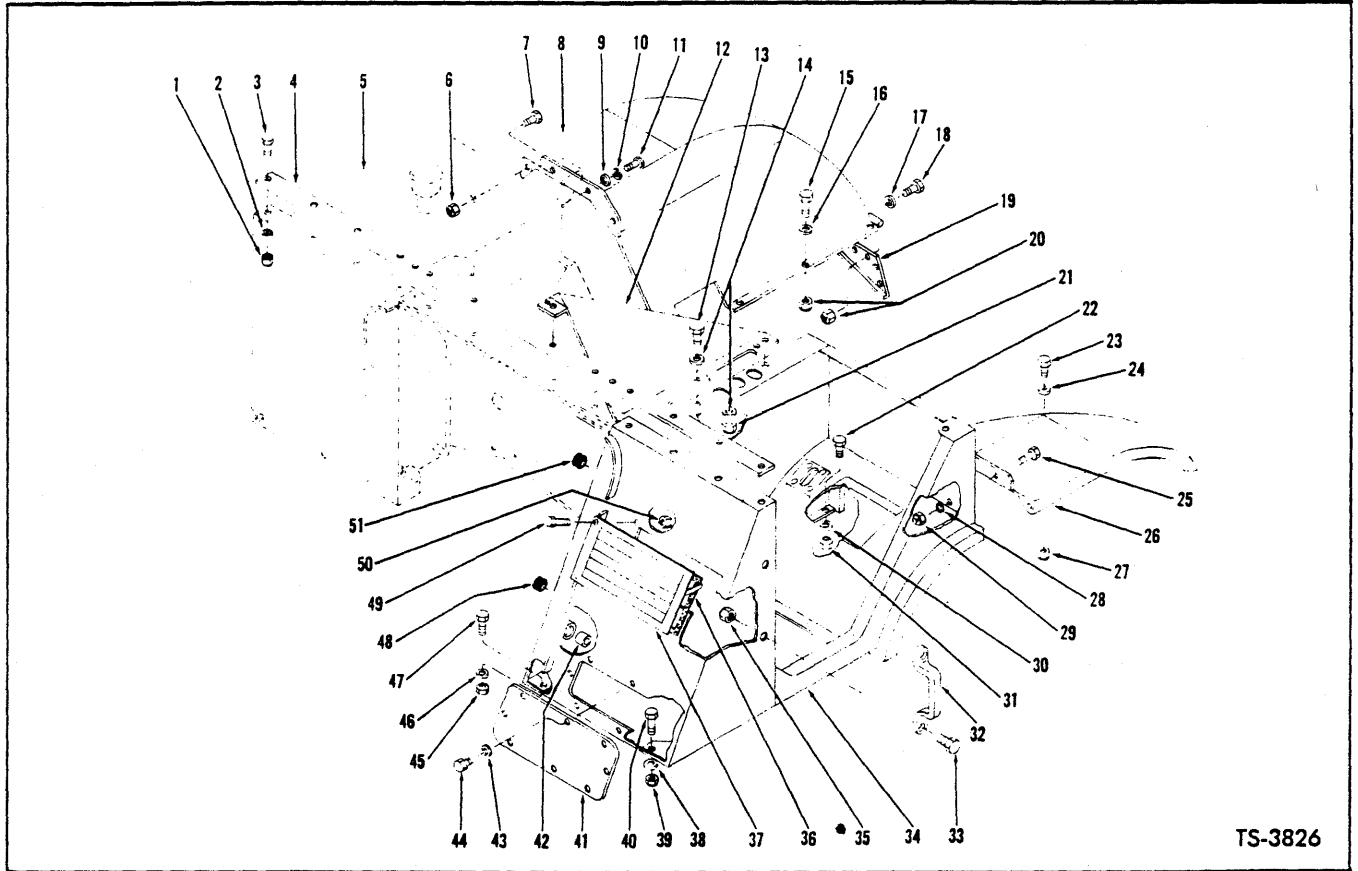
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-06	NUT, Tie Plate	14	24	18C-614	BOLT, Fender to Cockpit	4
2	980055	WASHER, Tie Plate	14	25	18D-06	NUT, Fender to Frame	4
3	18C-616	BOLT, Tie Plate	14	26	18C-832	BOLT, Cockpit to Frame	1
4	594107	PLATE, Cockpit Firewall & Oil Res. Tie	1	27	980055	WASHER, Fender to Cockpit	3
5	18D-06	NUT, Fender to Oil Res. Compartment	1	28	18D-06	NUT, Fender to Cockpit	4
6	18C-616	BOLT, Fender to Oil Res. Compartment	1	29	18C-512	BOLT, Handle to Cockpit	2
7	592531	FENDER — R.H.	1	30	503146	HANDLE, Access	1
8	980055	WASHER, Fender to Oil Res. Compt.	3	31	71D-08	BASE, Cockpit to Frame	1
9	4E-06	LKWSHR, Fender to Oil Res. Compt.	3	32	70D-08	NUT, Cockpit to Frame	1
10	18C-616	BOLT, Fender to Oil Res. Compt.	3	33	583391	*COCKPIT	1
11	18C-612	BOLT, Heat Shield Mounting	2	34	18D-05	NUT, Handle to Cockpit	2
12	594063	SHIELD, Heat	1	35	18D-08	NUT, Cockpit to Battery Compartment	1
13	18C-618	BOLT, Fender to Frame	4	36	18C-816	BOLT, Cockpit to Batt. Compartment	1
14	980055	WASHER, Fender to Frame	4	37	593152	PLATE, Front Cockpit Cover	1
15	980055	WASHER, Gusset to Fender & Frame	10	38	4E-04	LKWSHR, Cover Plate	8
16	18C-614	BOLT, Gusset to Fender & Frame	10	39	18C-410	BOLT, Cover Plate	8
17	594743	GUSSET, Fender — R.H.	1	40	70D-08	NUT, Cockpit to Battery Compartment	1
17A	594742	†GUSSET, Fender — L.H.	1	41	71D-08	BASE, Cockpit to Batt. Compartment	1
18	18D-06	NUT, Gusset & Fender to Frame	14	42	18C-816	BOLT, Cockpit to Batt. Compartment	1
19	980055	WASHER, Heat Shield Mounting	4	43	511426	GROMMET, Tachometer Cable	1
20	18D-06	NUT, Heat Shield Mounting	2	44	594418	BUSHING, Steering Column to R.H. Side Panel	1
21	18C-618	BOLT, Fender to Frame	4	45	530533	GROMMET, Wiring Harness	1
22	980055	WASHER, Fender to Frame	4	46		OIL RESERVOIR — See Index	
23	592532	FENDER — L.H.	1				

†Not Illustrated

\*NOTE: When installing 583391 Cockpit in machine serial 2TG101 thru 2TG999 the following items must also be used: 1—583391 Plate, 8—18C-410 Bolts, 8—4E-04 Lkwsr, 1—583886 Shutter, 1—583887 Gasket, 4—18C-614 Bolts & 4—18D-06 Nuts.

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





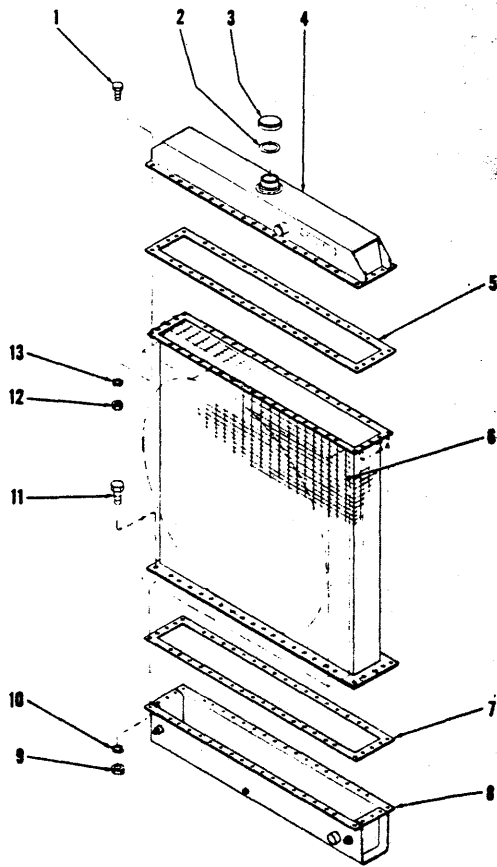
TS-3826

**COCKPIT AND FENDERS**  
**For Serial: Cummins — 3TC101 and after**  
**G.M. — 3TG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-06	NUT, Tie Plate	14	26	592532	FENDER — L.H.	1
2	980055	WASHER, Tie Plate	14	27	18D-06	NUT, Fender to Frame	4
3	18C-616	BOLT, Tie Plate	14	28	980055	WASHER, Fender to Cockpit	3
4	594107	PLATE, Cockpit, Firewall & Oil Reservoir Tie	1	29	18D-06	NUT, Fender to Cockpit	4
5	—	OIL RESERVOIR — See P.M. 1480	—	30	71D-08	BASE, Cockpit to Frame	1
6	18D-06	NUT, Fender to Oil Reservoir Comp.	1	31	70D-08	NUT, Cockpit to Frame	1
7	18C-616	BOLT, Fender to Oil Reservoir Comp.	1	32	503146	HANDLE, Access	1
8	592531	FENDER — R.H.	1	33	18C-512	BOLT, Handle to Cockpit	2
9	980055	WASHER, Fender to Oil Res. Comp.	3	34	583391	COCKPIT	1
10	4E-06	LKWSHR, Fender to Oil Res. Comp.	3	35	18D-05	NUT, Handle to Cockpit	2
11	18C-616	BOLT, Fender to Oil Reservoir Comp.	3	36	583887	GASKET, Ventilator	1
12	594063	SHIELD, Heat	1	37	583886	VENTILATOR	1
13	18C-612	BOLT, Heat Shield Mounting	2	38	71D-08	BASE, Cockpit to Battery Compartment	1
14	980055	WASHER, Heat Shield Mounting	4	39	70D-08	NUT, Cockpit to Battery Compartment	1
15	18C-618	BOLT, Fender to Frame	4	40	18C-816	BOLT, Cockpit to Battery Compartment	1
16	980055	WASHER, Fender to Frame	4	41	583396	PLATE, Front Cockpit Cover	1
17	980055	WASHER, Gusset to Fender & Frame	10	42	594418	BUSHING, Steering Column to R.H. Side Panel	1
18	18C-614	BOLT, Gusset to Fender & Frame	10	43	4E-04	LKWSHR, Cover Plate	8
19	594743	GUSSET, Fender — R.H.	1	44	18C-410	BOLT, Cover Plate	8
19A	594742	†GUSSET, Fender — L.H.	1	45	70D-08	NUT, Cockpit to Battery Compartment	1
20	18D-06	NUT, Gusset & Fender to Frame	14	46	71D-08	BASE, Cockpit to Battery Compartment	1
21	18D-06	NUT, Heat Shield Mounting	2	47	18C-816	BOLT, Cockpit to Battery Compartment	1
22	18C-832	BOLT, Cockpit to Frame	1	48	511426	GROMMET, Tachometer Cable	1
23	18C-618	BOLT, Fender to Frame	4	49	18C-614	BOLT, Ventilator to Cockpit	4
24	980055	WASHER, Fender to Frame	4	50	18D-06	NUT, Ventilator to Cockpit	4
25	18C-614	BOLT, Fender to Cockpit	4	51	530533	GROMMET, Wiring Harness	1

†Not Illustrated

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



TS-1786-P

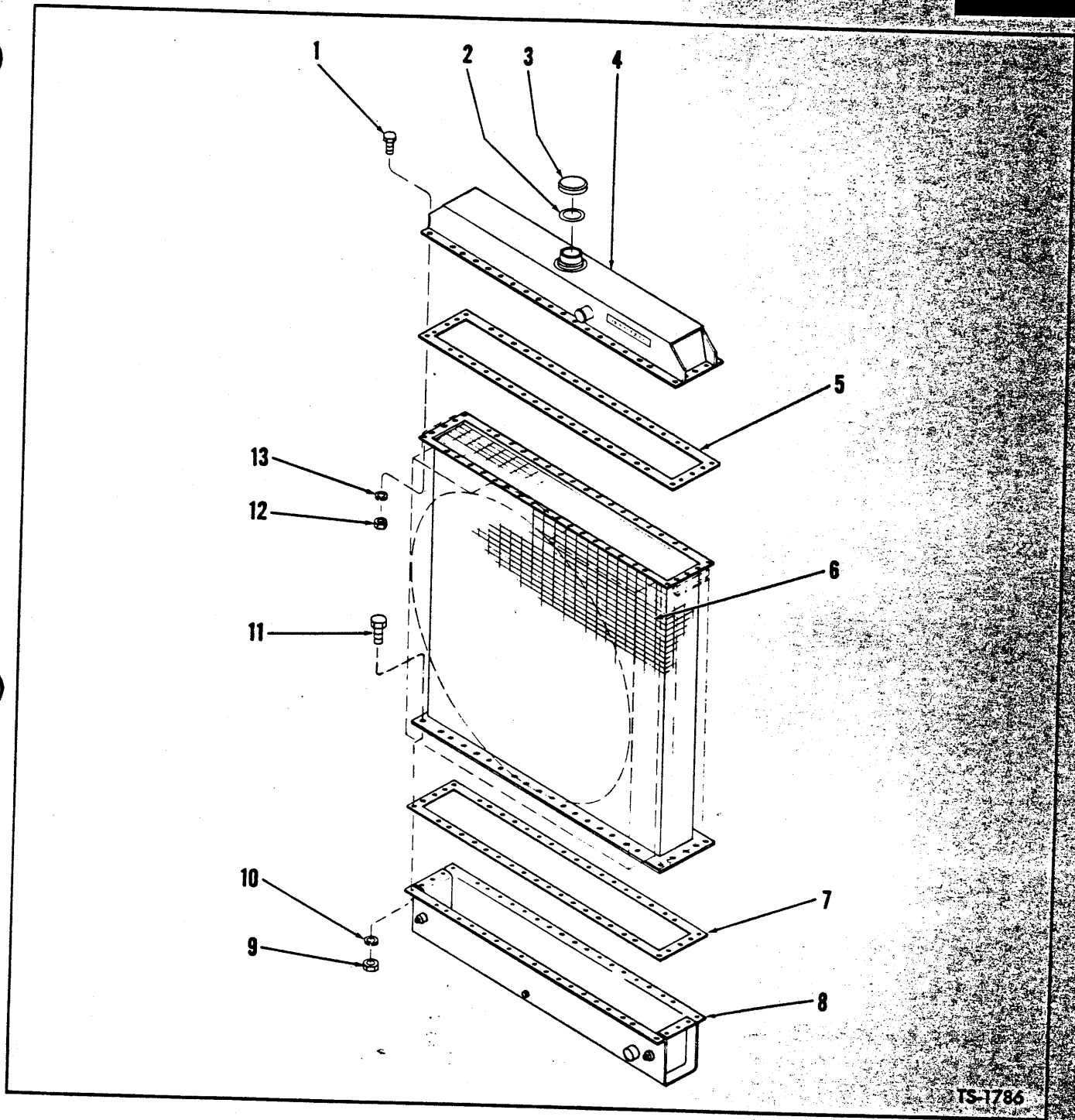
**RADIATOR — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		*RADIATOR ASSY (Inc. 1 thru 13)		5		GASKET, Top Tank	
B	513103	For Serial 44123	1	5A	944081	For Serial 44123 thru 44211	1
C	525120	*For Serial 44124 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	5B	944083	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
1	1C-516	BOLT, Top Tank to Core	45	6		CORE	
2	862093	GASKET, Radiator Cap	*1	6A	944097	For Serial 44123 thru 44211	1
3		CAP, Radiator		6B	944098	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
3A	863364	For machines without Surge Tank	1	7	944081	GASKET, Bottom Tank	1
3B	594055	For machines with Surge Tank	1	8	944079	BOTTOM TANK	
4		TOP TANK		9	1D-05	NUT, Bottom Tank to Core	45
4A	944062	For Serial 44123 thru 44211	1	10	4E-05	LKWSHR, Bottom Tank to Core	45
4B	944063	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	11	1C-516	BOLT, Bottom Tank to Core	45
				12	1D-05	NUT, Bottom Tank to Core	45
				13	4E-05	LKWSHR, Bottom Tank to Core	45

\*NOTE: When installing 525120 Radiator in Machine Serials 44124 thru 44211 the following parts must be used:

- |              |      |            |        |
|--------------|------|------------|--------|
| 1 — 593887   | TUBE | 2 — 2C-836 | BOLT   |
| 1 — 1M-16034 | HOSE | 2 — 21D-08 | NUT    |
|              |      | 2 — 619029 | WASHER |

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

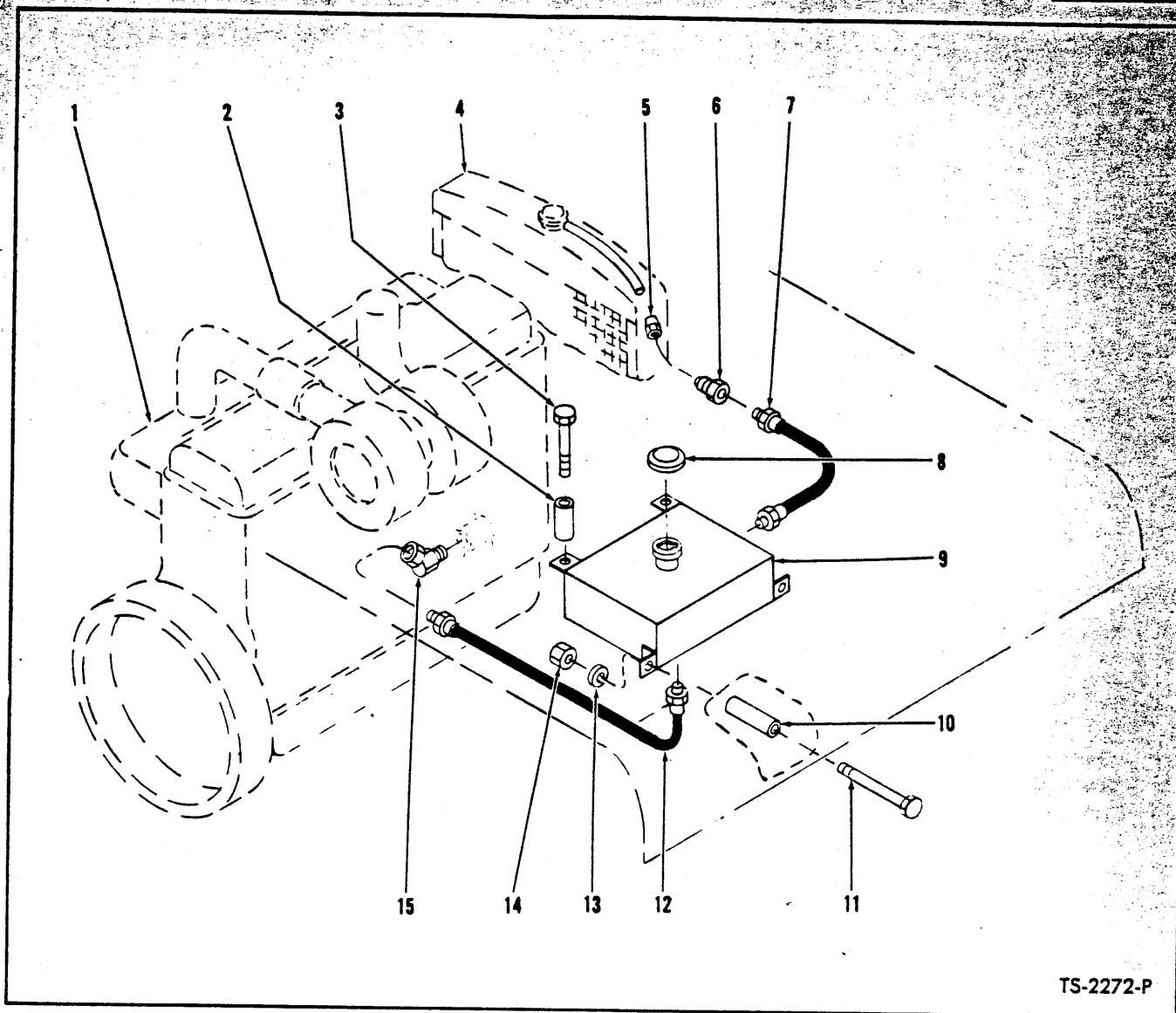


TS-1786

**RADIATOR — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	581767	RADIATOR ASSY (Inc. 1 thru 13)	1	7	944081	GASKET, Bottom Tank	1
1	1C-516	BOLT, Top Tank to Core	45	8	945255	BOTTOM TANK	1
2	862093	GASKET, Radiator Cap	1	9	1D-05	NUT, Bottom Tank to Core	31
3	863364	CAP, Radiator	1	10	4E-05	LKWSHR, Bottom Tank to Core	45
4	945253	TOP TANK	1	11	1C-516	BOLT, Bottom Tank to Core	31
5	944083	GASKET, Top Tank	1	12	1D-05	NUT, Top Tank to Core	45
6	945254	CORE	1	13	4E-05	LKWSHR, Top Tank to Core	45

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

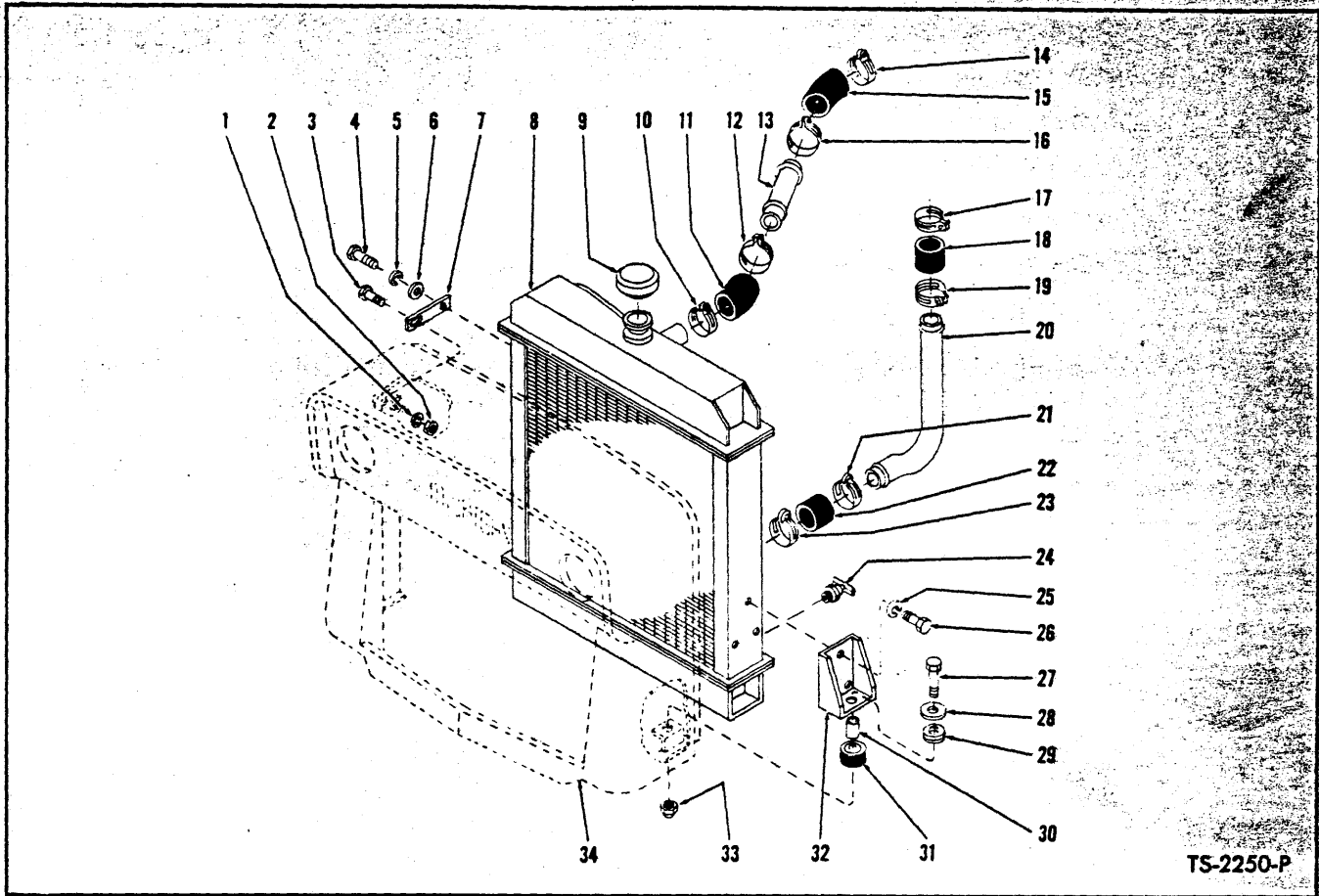


TS-2272-P

**RADIATOR SURGE TANK — CUMMINS**

Item No.	Part No.	Description	No. Req'd.
1	—	ENGINE—See Engine Parts Manual	—
2	593844	SPACER, Surge Tank to Hood	2
3	2C-632	BOLT, Surge Tank to Hood	2
4	—	RADIATOR—See Index	—
5	47F-4	TUBE NUT, Overflow Tube	1
6	39F-5	CONNECTOR, Hose to Tube	1
7	300909	HOSE, Tube to Surge Tank	1
8	525318	CAP, Surge Tank	1
9	593845	TANK, Surge	1
10	593843	SPACER, Surge Tank to Hood	2
11	2C-648	BOLT, Surge Tank to Hood	2
12	525274	HOSE, Surge Tank to Engine	1
13	4E-06	LKWSHR, Surge Tank to Hood	2
14	2D-06	NUT, Surge Tank to Hood	2
15	33F-5	ADAPTER UNION	1

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

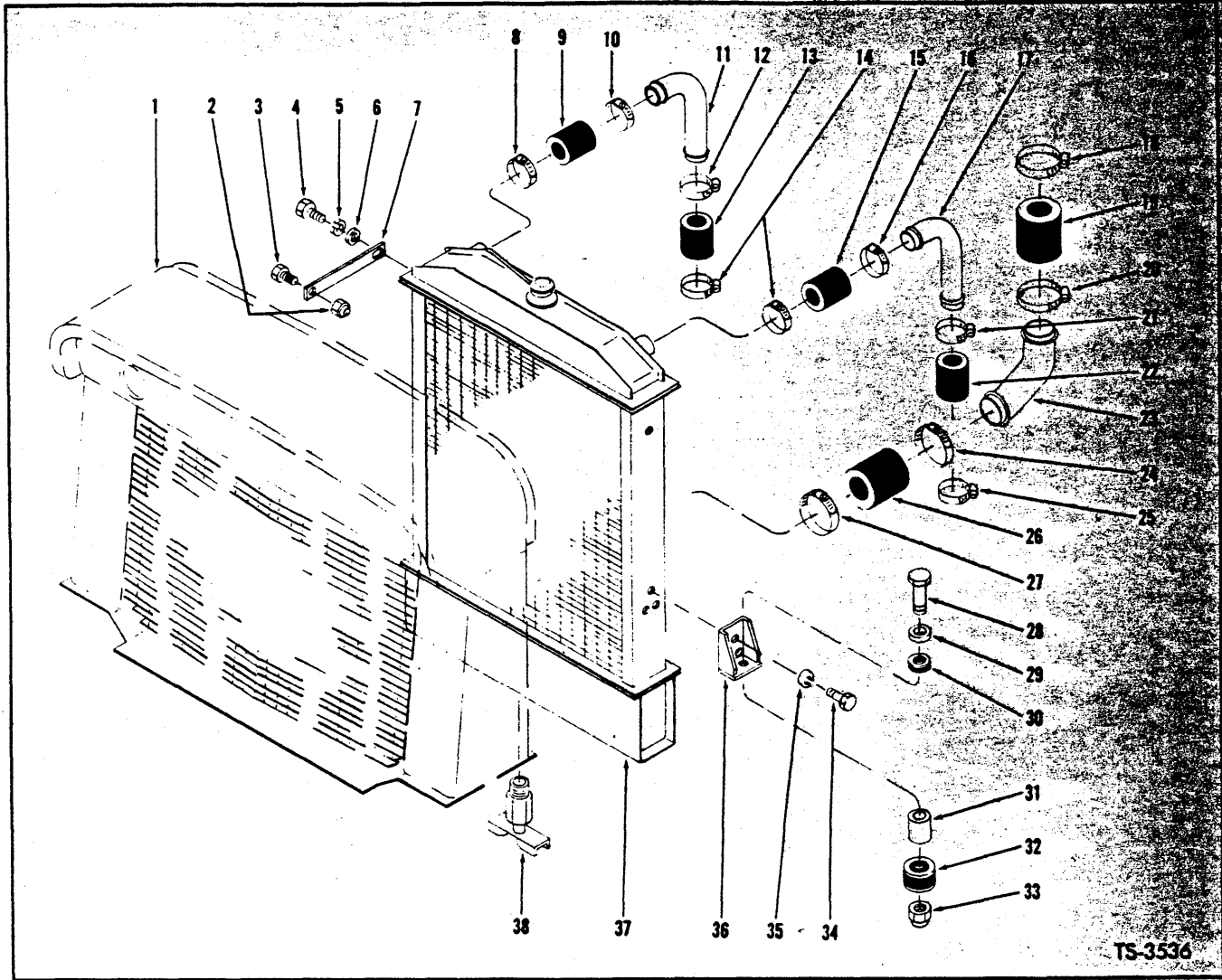


TS-2250-P

**RADIATOR CONNECTIONS — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	4E-08	LKWSHR, Clip to Grille	2	18	1M-18032	HOSE, Lower Radiator	1
2	18D-08	NUT, Clip to Grille	2	19	875248	CLAMP, Hose	1
3	2C-814	BOLT, Clip to Grille	2	20	591881	TUBE, Lower Radiator	1
4	1C-814	BOLT, Clip to Radiator	2	21	875248	CLAMP, Hose	1
5	4E-08	LKWSHR, Clip to Radiator	2	22	1M-18032	HOSE, Lower Radiator	1
6	664425	WASHER, Clip to Radiator	2	23	875248	CLAMP, Hose	1
7	591621	CLIP, Radiator to Grille	2	24	73F-2	DRAIN COCK, Radiator	1
8	---	RADIATOR — See Index	—	25	4E-06	LKWSHR, Bracket to Radiator	6
9	---	CAP, Radiator — See Index	—	26	1C-616	BOLT, Bracket to Radiator	6
10	784663	CLAMP, Hose	1	27	---	BOLT, Radiator to Grille	—
11	---	HOSE, Upper Radiator	—	27A	2C-732	For Serial 44123 thru 44211	2
11A	515898	For Serial 44123 thru 44211	1	27B	2C-836	For Serial 44211 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	2
11B	1M-16034	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	28	619029	WASHER, Radiator to Grille	2
12	784663	CLAMP, Hose	1	29	518275	WASHER, Radiator to Grille—Rubber	2
13	---	TUBE, Upper Radiator	—	30	524333	SPACER, Radiator to Grille	2
13A	591882	For Serial 44123 thru 44211	1	31	710066	PAD, Radiator to Grille	2
13B	593887	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	32	591618	BRACKET, Radiator to Grille	2
14	784663	CLAMP, Hose	1	33	---	NUT, Radiator to Grille	—
15	515898	HOSE, Upper Radiator	1	33A	21D-07	For Serial 44123 thru 44211	2
16	784663	CLAMP, Hose	1	33B	21D-08	For Serial 44212 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	2
17	875248	CLAMP, Hose	1	34	---	RADIATOR GRILLE — See Index	—

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

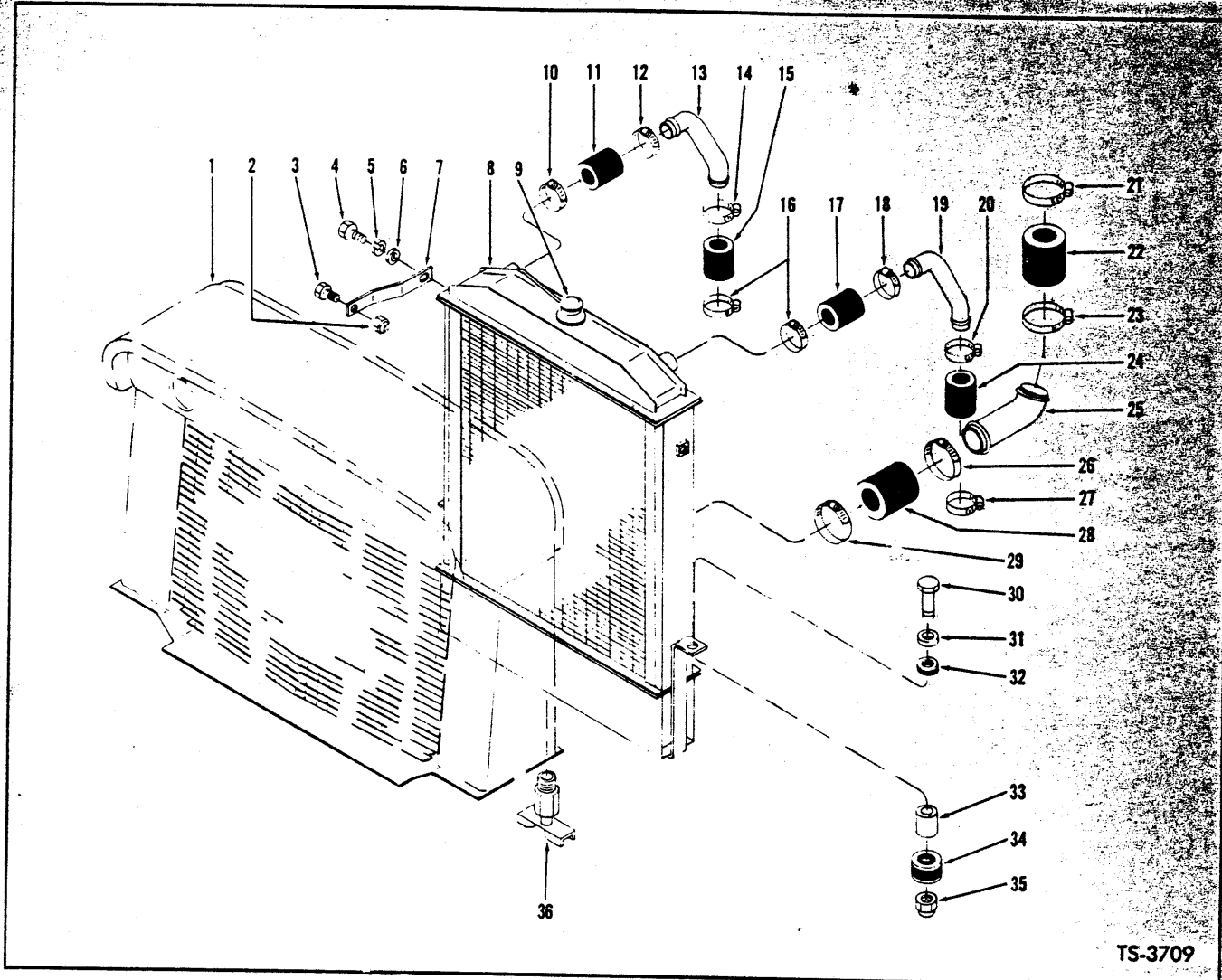


TS-3536

**RADIATOR CONNECTIONS — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		RADIATOR GRILLE — See Index	—	20	522632	CLAMP, Lower Hose	—
2	18D-08	NUT, Clip to Grille	2	21	875248	CLAMP, Upper Hose	—
3	18C-814	BOLT, Clip to Grille	2	22	1M-18032	HOSE, Upper Radiator	—
4	17C-814	BOLT, Clip to Radiator	2	23	581768	TUBE, Lower Radiator	—
5	4E-08	LKWSHR, Clip to Radiator	2	24	522632	CLAMP, Lower Hose	—
6	664425	WASHER, Clip to Radiator	2	25	875248	CLAMP, Upper Hose	—
7	591621	CLIP, Radiator to Grille	2	26	1M-22030	HOSE, Lower Radiator	—
8	875248	CLAMP, Upper Hose	1	27	522632	CLAMP, Lower Hose	—
9	1M-18032	HOSE, Upper Radiator	1	28	18C-836	BOLT, Radiator to Grille	—
10	875248	CLAMP, Upper Hose	1	29	619029	WASHER, Radiator to Grille	—
11	581769	TUBE, Upper Radiator	1	30	518275	PAD, Radiator to Grille — Rubber	—
12	875248	CLAMP, Upper Hose	1	31	524333	SPACER, Radiator to Grille	—
13	1M-18032	HOSE, Upper Radiator	1	32	710066	INSULATOR, Radiator to Grille	—
14	875248	CLAMP, Upper Hose	2	33	18D-08	NUT, Radiator to Grille	—
15	1M-18032	HOSE, Upper Radiator	1	34	17C-616	BOLT, Bracket to Radiator	—
16	875248	CLAMP, Upper Hose	1	35	4E-06	LKWSHR, Bracket to Radiator	—
17	581769	TUBE, Upper Radiator	1	36	591618	BRACKET, Radiator to Grille	—
18	522632	CLAMP, Lower Hose	1	37		RADIATOR — See Index	—
19	1M-22030	HOSE, Lower Radiator	1	38	73F-2	DRAIN COCK, Radiator	—

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



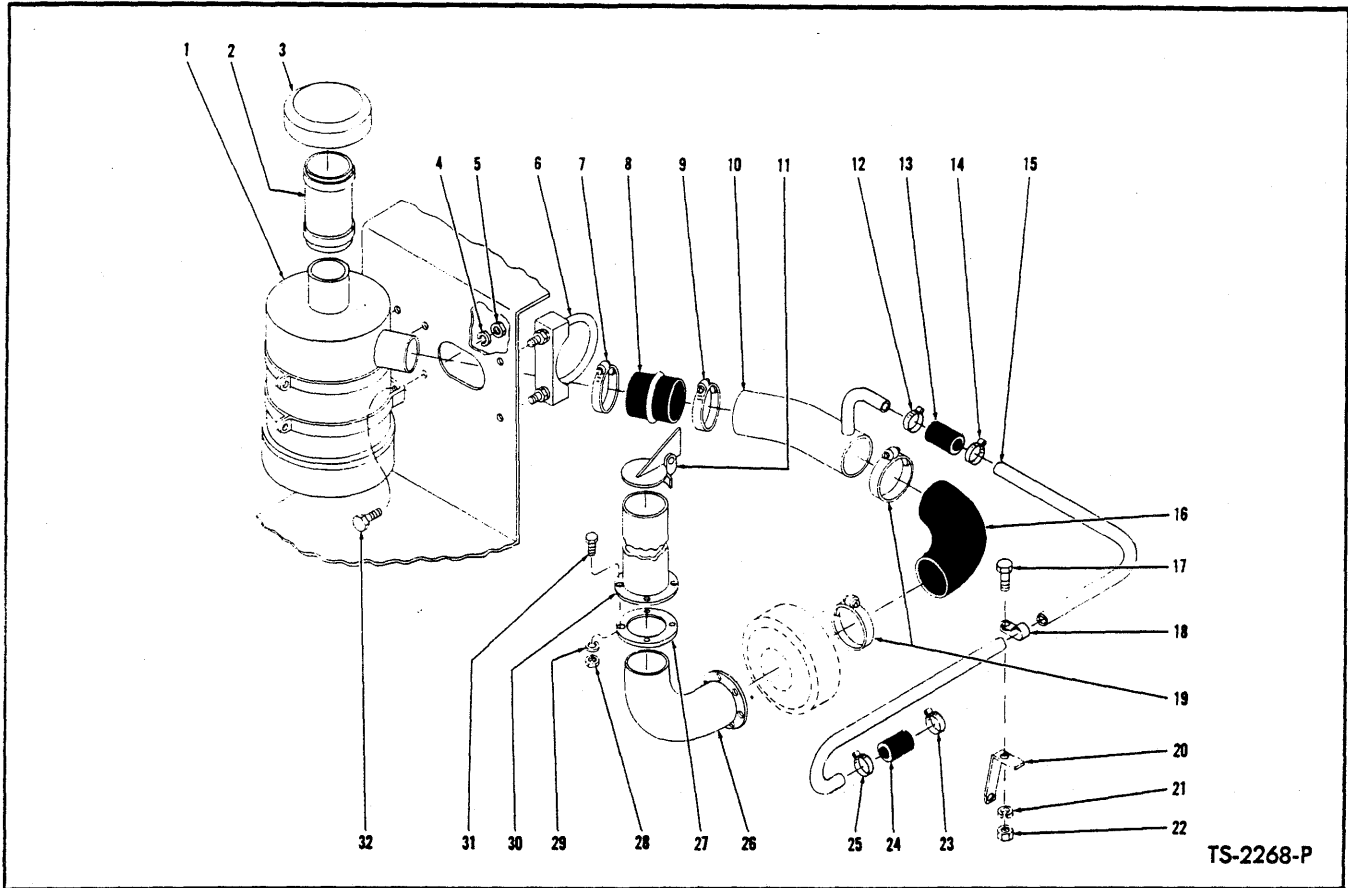
TS-3709

**RADIATOR AND CONNECTIONS — G.M.**

For Serial: 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RADIATOR GRILLE — See Index	—	19	583625	TUBE, Upper Radiator	1
2	18D-08	NUT, Clip to Grille	2	20	540266	CLAMP, Hose	1
3	18C-816	BOLT, Clip to Grille	2	21	540108	CLAMP, Hose	1
4	18C-816	BOLT, Clip to Radiator	2	22	1M-16030	HOSE, Lower Radiator	1
5	4E-08	LKWSHR, Clip to Radiator	2	23	540108	CLAMP, Hose	1
6	664425	WASHER, Clip to Radiator	2	24	540678	HOSE, Upper Radiator	1
7	583623	CLIP, Radiator to Grille	2	25	583624	TUBE, Lower Radiator	1
8	583617	RADIATOR (Inc. 9, 9A, 36)	1	26	540108	CLAMP, Hose	1
9	351495	CAP, Radiator	1	27	540266	CLAMP, Hose	1
9A	862093	GASKET, Radiator Cap	1	28	1M-16030	HOSE, Lower Radiator	1
10	540266	CLAMP, Hose	1	29	540108	CLAMP, Hose	1
11	540678	HOSE, Upper Radiator	1	30	18C-836	BOLT, Radiator to Frame	2
12	540266	CLAMP, Hose	1	31	619029	WASHER, Radiator to Frame	2
13	583625	TUBE, Upper Radiator	1	32	518275	PAD, Radiator to Frame — Rubber	2
14	540266	CLAMP, Hose	1	33	524333	SPACER, Radiator to Frame	2
15	540678	HOSE, Upper Radiator	1	34	710066	INSULATOR, Radiator to Frame	2
16	540266	CLAMP, Hose	2	35	18D-08	NUT, Radiator to Frame	2
17	540678	HOSE, Upper Radiator	1	36	73F-2	DRAIN COCK, Radiator	1
18	540266	CLAMP, Hose	1				

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



TS-2268-P

**AIR CLEANER AND TAILPIPE — CUMMINS**

**For Serial: 44123 thru 2TC21**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	940560	AIR CLEANER — See Note "A" .....	1	16	515425	HOSE, Tube to Turbo Charger .....	1
2	524936	EXTENSION, Air Cleaner .....	1	17	2C-408	BOLT, Clip to Bracket .....	1
3	511512	CAP, Air Cleaner .....	1	18	29H-31	CLIP, Compressor Intake Tube .....	1
4	4E-06	LKWSHR, Air Cleaner Attaching .....	4	19	539042	CLAMP, Hose .....	2
5	2D-06	NUT, Air Cleaner Attaching .....	4	20	580417	BRACKET, Compressor Tube .....	1
6	669881	CLAMP, Air Intake Tube .....	1	21	4E-04	LKWSHR, Clip to Bracket .....	1
7	539042	CLAMP, Hose .....	1	22	2D-04	NUT, Clip to Bracket .....	1
8	515424	HOSE, Tube to Air Cleaner .....	1	23	540103	CLAMP, Hose .....	1
9	539042	CLAMP, Hose .....	1	24	529979	HOSE, Compressor Tube to Compressor .....	1
10		<i>TUBE, Air Intake</i>		25	540103	CLAMP, Hose .....	1
10A	592278	For Serial 44123 thru 44160 .....	1	26	592310	EXHAUST PIPE .....	1
10B	580415	*For Serial 44161 thru 2TC21 .....	1	27	525535	FLANGE, Tail Pipe .....	1
11	592867	CAP, Tail Pipe Rain .....	1	28	2D-06	NUT, Tail Pipe to Hood .....	4
12	540103	CLAMP, Hose .....	1	29	4E-06	LKWSHR, Tail Pipe to Hood .....	4
13	529979	HOSE, Compressor Tube to Intake Tube .....	1	30	594984	TAIL PIPE .....	1
14	540103	CLAMP, Hose .....	1	31	2C-620	BOLT, Tail Pipe to Hood .....	4
15		<i>TUBE, Compressor Air Intake</i>		32	2C-614	BOLT, Air Cleaner Attaching .....	4
15A	524036	HOSE—For Serial 44161 thru 44183..	1	33	941474	BAND, Air Cleaner Mounting .....	2
15B	580418	**TUBE—For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 thru 2TC21 .....	1				

\*NOTE: When installing 580415 Tube in machine Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 1-580418 Compressor Tube must also be used.

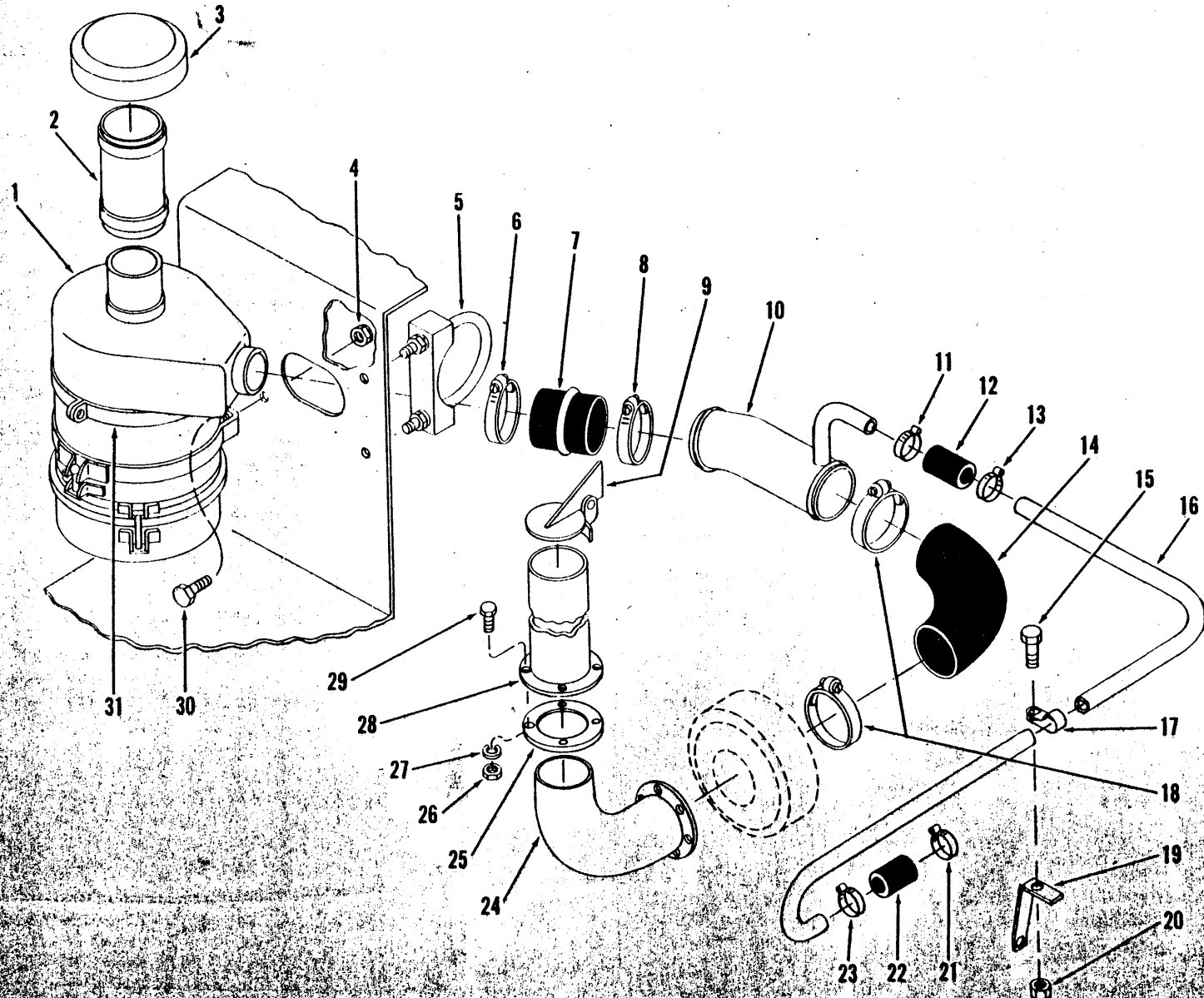
\*\*NOTE: When installing 580418 Compressor Tube in machine Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 1-666846 Hose Nipple must also be used.

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

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







AIR CLEANER CONNECTIONS AND TAILPIPE - CUMMINS  
For Serial: 2TC22 and after

TS-3850

13A.1

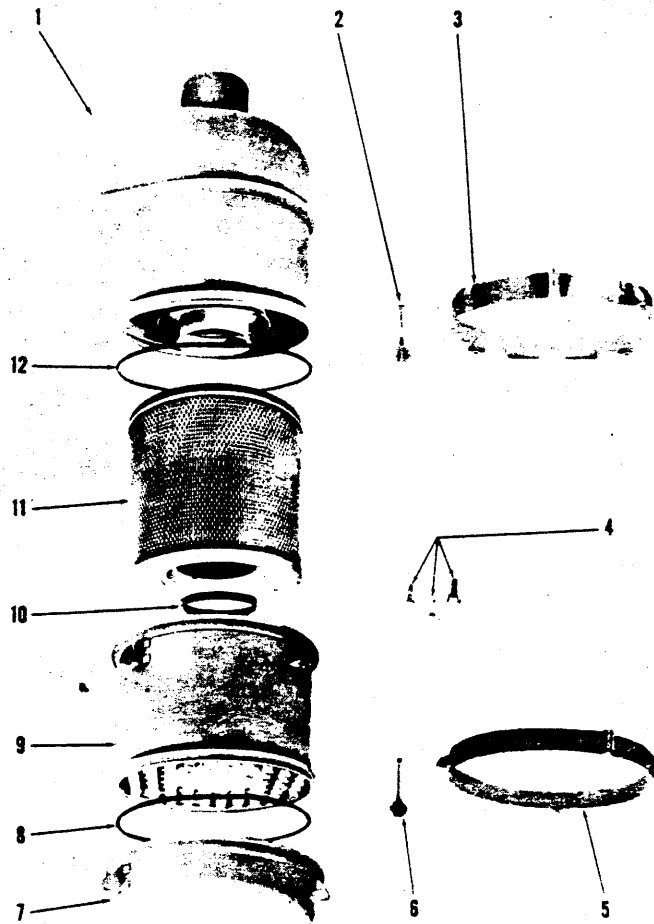
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**AIR CLEANER CONNECTIONS AND TAILPIPE**

For Serial: 2TC22 and after  
Description

Item No.	Part No.	Description	No. Req'd.
1	—	AIR CLEANER — See Page 4	—
2	524936	EXTENSION, Air Cleaner	1
3	511512	CAP, Air Cleaner	1
4	18D-06	NUT, Air Cleaner Attaching	4
5	669881	CLAMP, Air Intake Tube	1
6	517200	CLAMP, Hose	1
7	515424	HOSE, Tube to Air Cleaner	1
8	517200	CLAMP, Hose	1
9	592867	CAP, Tail Pipe Rain	1
10	582071	TUBE, Air Intake	1
11	521875	CLAMP, Hose	1
12	529979	HOSE, Compressor Tube to Intake Tube	1
13	521875	CLAMP, Hose	1
14	515425	HOSE, Tube to Turbo Charger	1
15	2C-408	BOLT, Clip to Bracket	1
16	580418	TUBE, Compressor Air Intake	1
17	29H-31	CLIP, Compressor Intake Tube	1
18	517200	CLAMP, Hose	2
19	580417	BRACKET, Compressor Tube	1
20	18D-04	NUT, Clip to Bracket	1
21	521875	CLAMP, Hose	1
22	529979	HOSE, Compressor Tube to Compressor	1
23	521875	CLAMP, Hose	1
24	592310	EXHAUST PIPE	1
25	525535	FLANGE, Tail Pipe	1
26	2D-06	NUT, Tail Pipe to Hood	4
27	4E-06	LKWSHR, Tail Pipe to Hood	4
28	594984	TAIL PIPE	1
29	2C-620	BOLT, Tail Pipe to Hood	4
30	2C-614	BOLT, Air Cleaner Attaching	4
31	532687	BAND, Air Cleaner Mounting	1

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



TS-1922

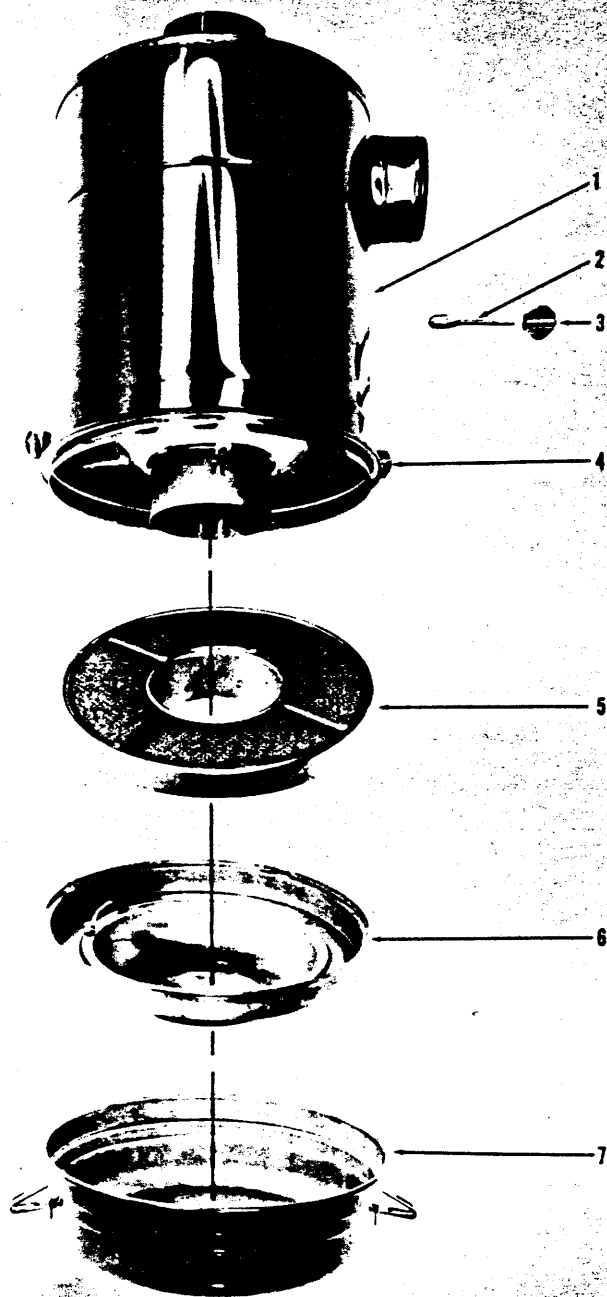
**AIR CLEANER — CUMMINS**

For Serial: 2TC22 and after

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	944651	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**



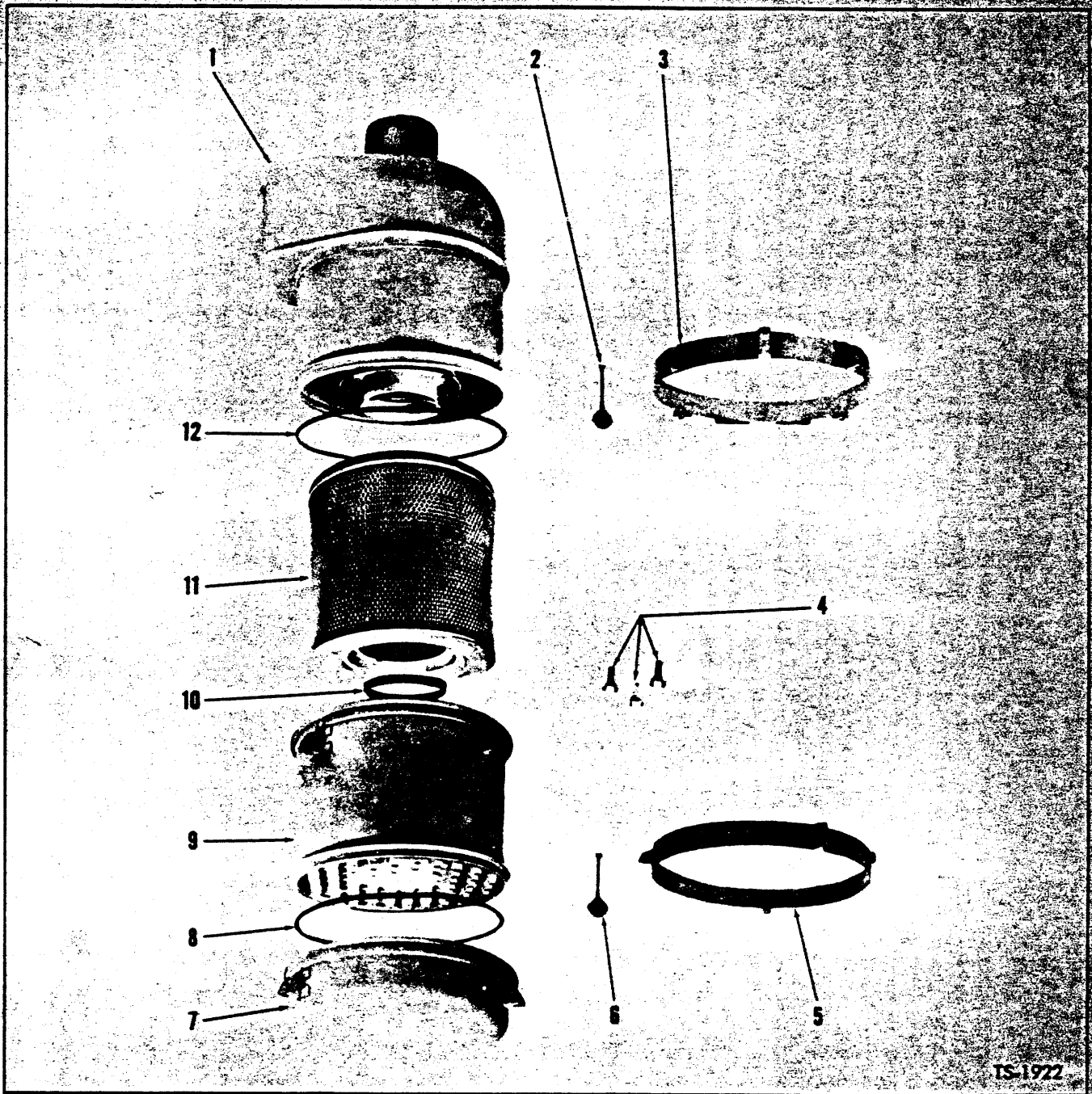
TS-4357

**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")	1
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**

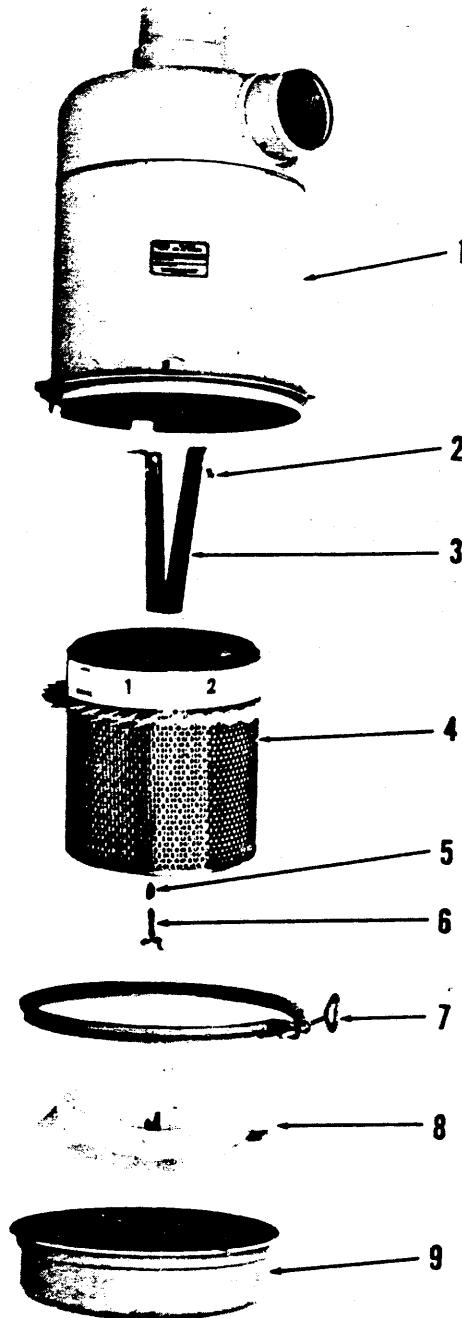


**AIR CLEANER —G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	509666	AIR CLEANER ASSY (Inc. 1 thru 12)	1	6A	874964	NUT, Bolt	3
1	944399	BODY	1	7	944402	CUP, Dust	1
2	944403	BOLT ASSY	4	8	944404	GASKET	1
2A	874964	NUT, Bolt	4	9		DONACLONE ASSY — See "A"	1
3	944400	BAND, Upper	1	10	944406	GASKET	1
4	944405	WING NUT	3	11	944398	ELEMENT ASSY	1
5	509763	BAND, Lower	1	12	944404	GASKET	1
6	944403	BOLT ASSY	3				

Not Sold Separately — Order complete Assy, Item "A"

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



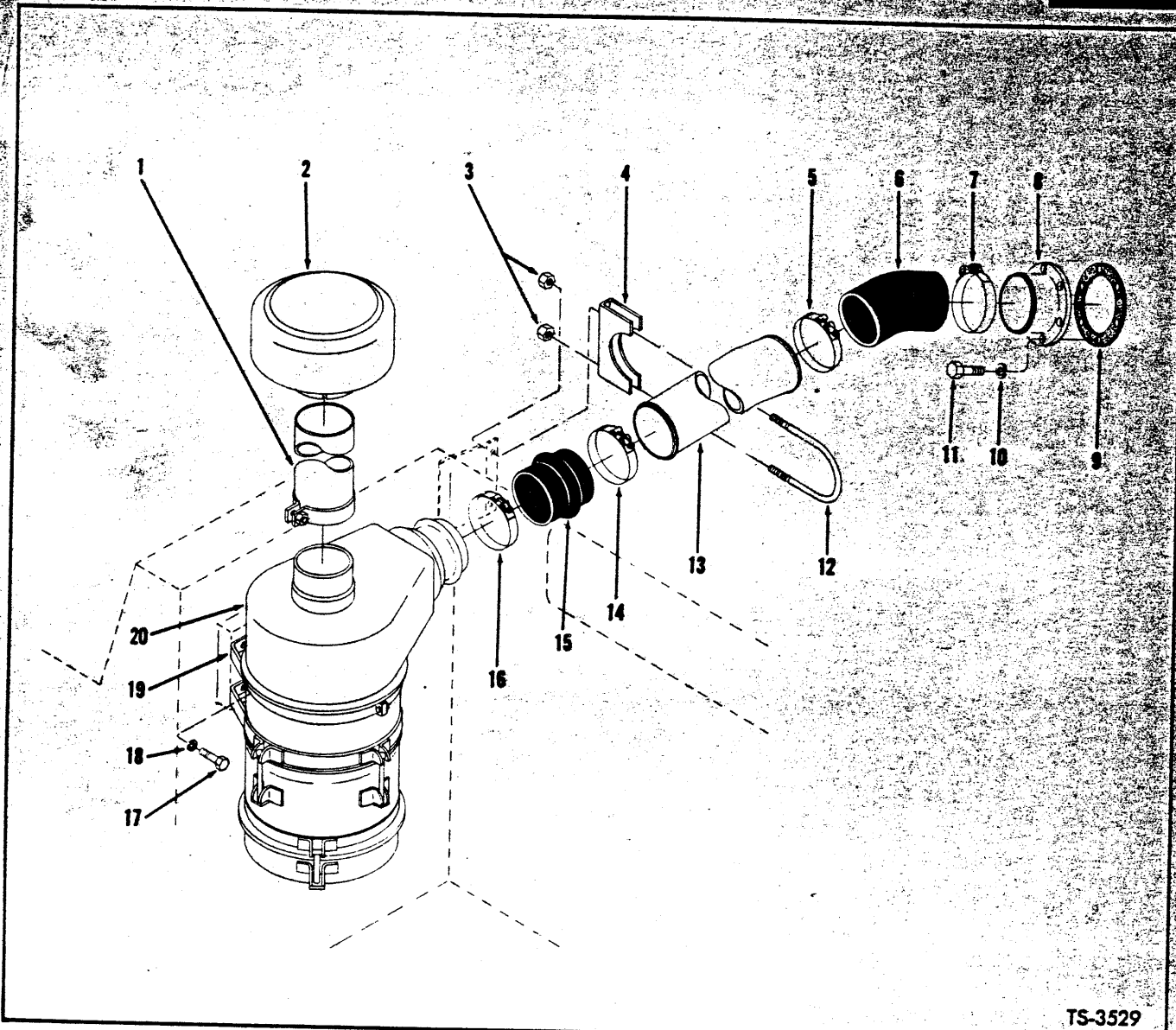
TS-3043

**AIR CLEANER ASSEMBLY — G.M.**  
For Serial 3TG101 and after

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

§Not Sold Separately

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



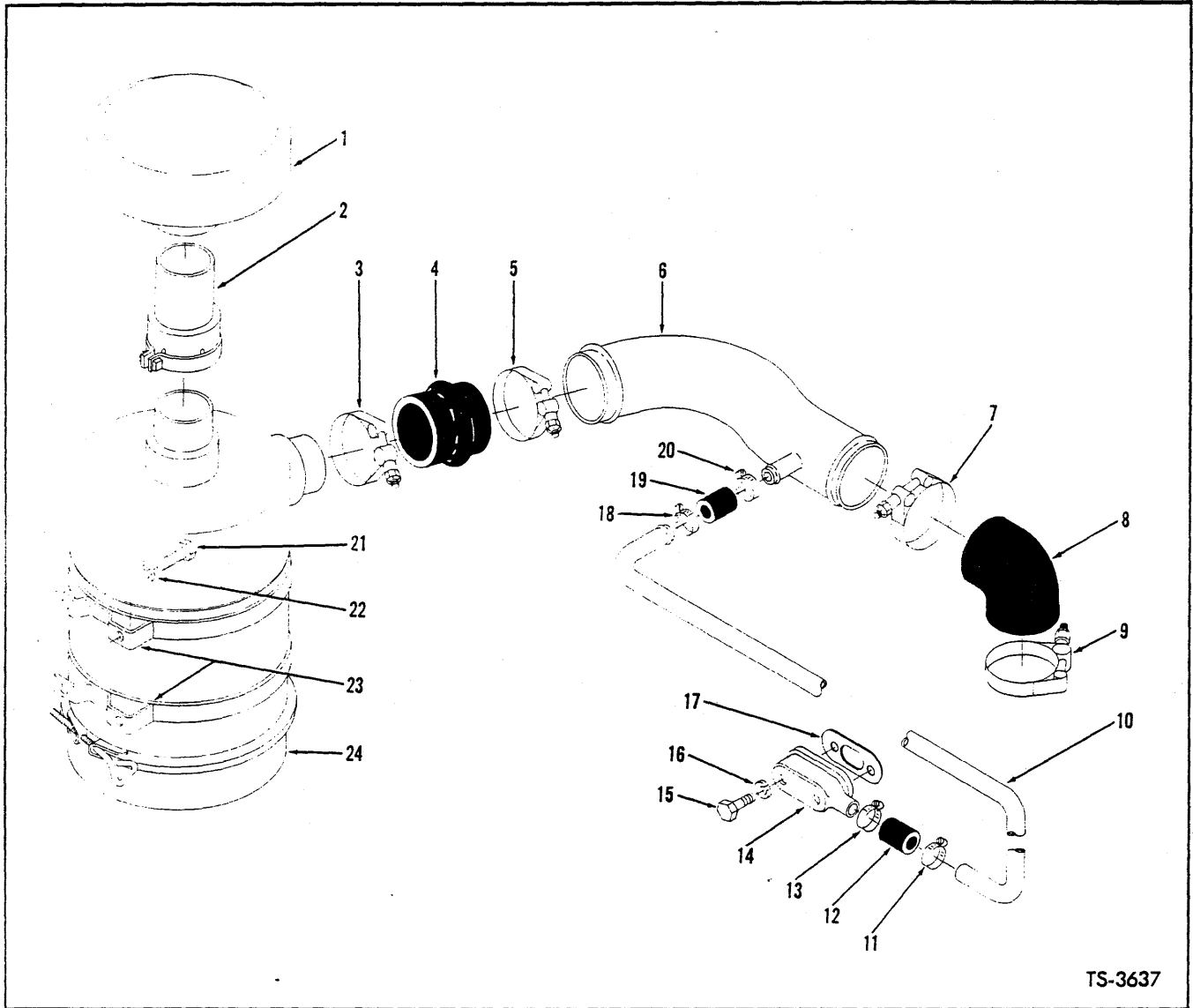
TS-3529

**AIR CLEANER CONNECTIONS — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	522127	EXTENSION, Air Cleaner	1	11	17C-612	BOLT, Adapter Attaching	6
2	521686	CAP, Air Cleaner	1	12	591131	U-BOLT, Tube Attaching	1
3	17D-3	NUT, U-Bolt	2	13	582266	TUBE, Air Intake	1
4	591128	CLAMP, Tube Attaching	1	14	540797	CLAMP, Hose Clamp	1
5	540797	CLAMP, Hose	1	15	513864	HOSE, Tube to Air Cleaner	1
6	513865	HOSE, Tube to Adapter	1	16	540797	CLAMP, Hose	1
7	540797	CLAMP, Hose	1	17	18C-614	BOLT, Air Cleaner Attaching	4
8	581661	ADAPTER, Air Intake	1	18	4E-06	LKWSHR, Air Cleaner Attaching	4
9	533286	GASKET, Air Intake Adapter	1	19	509763	BAND, Air Cleaner Mounting	1
10	4E-06	LKWSHR, Adapter Attaching	6	20		AIR CLEANER — See Index	1

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



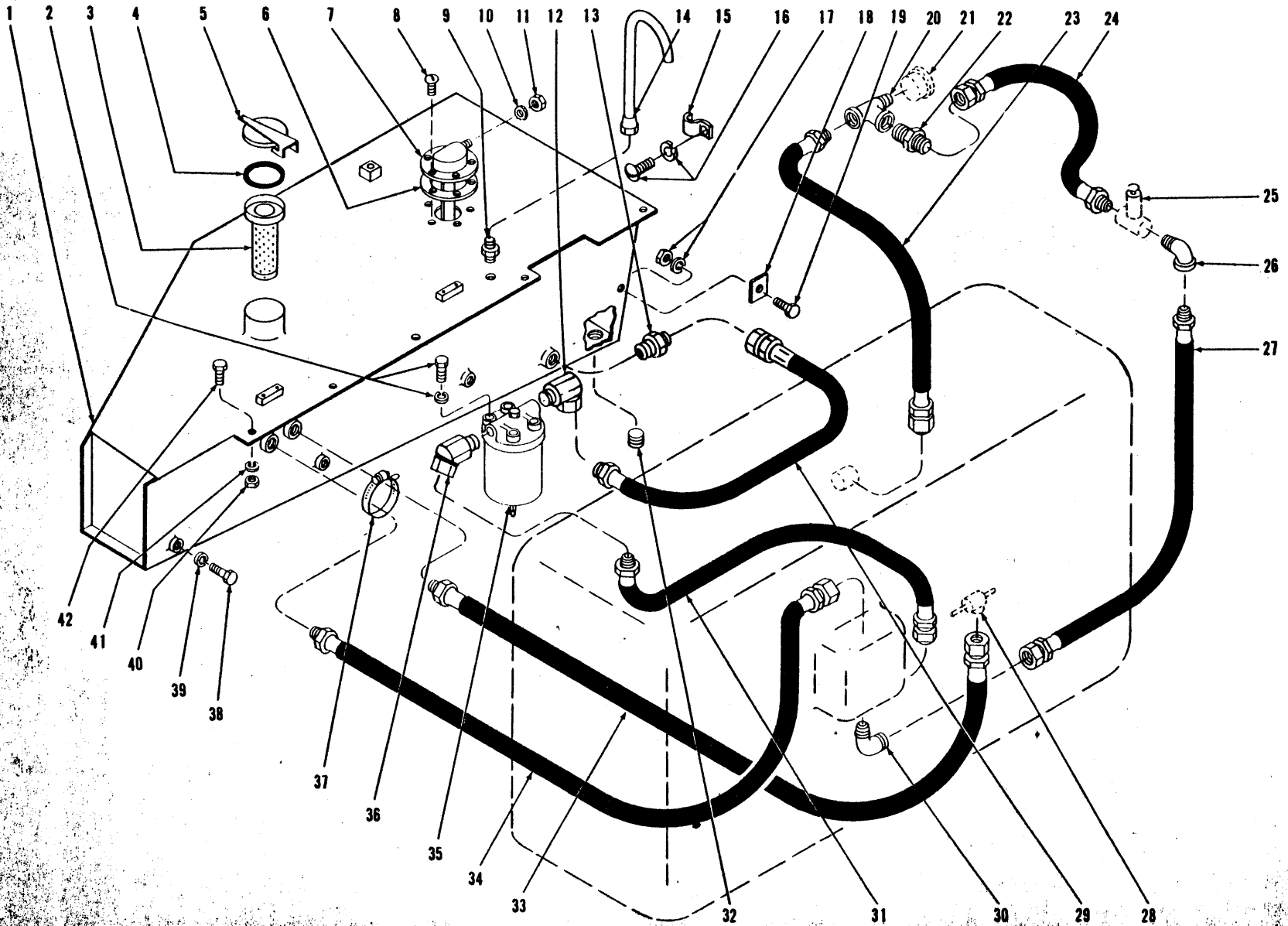


TS-3637

**AIR CLEANER CONNECTIONS — G.M.**  
For Serial 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	521686	CAP, Air Cleaner .....	1	13	540103	CLAMP, Hose .....	1
2	540781	EXTENSION, Air Cleaner .....	1	14	540888	ELBOW, Compressor Inlet .....	1
3	540797	CLAMP, Hose .....	1	15	17C-532	BOLT, Elbow to Compressor .....	2
4	513864	HOSE, Air Cleaner to Tube .....	1	16	4E-05	LKWSHR, Elbow to Compressor .....	2
5	540797	CLAMP, Hose .....	1	17	875012	GASKET, Compressor Elbow .....	1
6	583584	TUBE, Air Inlet .....	1	18	540103	CLAMP, Hose .....	1
7	540797	CLAMP, Hose .....	1	19	529979	HOSE, Tube to Tube .....	1
8	513865	HOSE, Tube to Flange .....	1	20	540103	CLAMP, Hose .....	1
9	540797	CLAMP, Hose .....	1	21	18C-612	BOLT, Air Cleaner Mounting .....	4
10	583586	TUBE, Compressor Air Intake .....	1	22	4E-06	LKWSHR, Air Cleaner Mounting .....	4
11	540103	CLAMP, Hose .....	1	23	509763	STRAP, Air Cleaner Mounting .....	2
12	529979	HOSE, Tube to Compressor Elbow .....	1	24	—	AIR CLEANER — See Index .....	1

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



FUEL TANK AND LINES — CUMMINS

TS-2284-P

**FUEL TANK AND LINES — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	592189	TANK, Fuel .....	1	17A	4E-10	**LKWSHR, Tank to Frame .....	1
2	18C-612	BOLT, Filter Mounting .....	4	17B	18D-10	***NUT, Tank to Frame .....	1
2A	4E-06	LKWSHR, Filter Mounting .....	4	18	591187	‡SPACER, Fuel Tank .....	1
3		<i>FILL NECK ASSY (Inc. 3C, 4, 5)</i>		19	18C-1024	BOLT, Tank to Frame .....	1
3A	553378	For Serial 44123 thru 44167 .....	1	20	18F-1	TEE, Preheater Gauge .....	1
3B	592432	For Serial 44168 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter ..	1	21	-----	*PREHEATER GAUGE—Cummins 66735 .....	1
3C		<i>SCREEN, Fuel</i>		22	38F-3	CONNECTOR, Hose to Tee .....	1
3D	943699	For Serial 44123 thru 44167 .....	1	23	524961	HOSE, Nozzle to Tee .....	1
3E	943957	For Serial 44168 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter ..	1	24	593405	HOSE, Hand Pump to Tee .....	1
4		<i>SEAL, Fuel Tank Cap</i>		25	-----	*HAND PUMP—Cummins 100046 .....	1
4A	943697	For Serial 44123 thru 44167 .....	1	26	30K-302	ELBOW, Hose to Primer Pump .....	1
4B	943958	For Serial 44168 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter..	1	27	593403	HOSE, Primer Pump to Injection Pump	1
5		<i>CAP, Fuel Tank</i>		28	-----	*INJECTOR DRAIN MANIFOLD .....	1
5A	943698	For Serial 44123 thru 44167 .....	1	29	593404	HOSE, Filter to Tank .....	1
5B	943959	For Serial 44168 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter..	1	30	42F-3	ELBOW, Hose to Injection Pump .....	1
5C	943710	†BOLT, Fuel Tank Cap, for Serial 44123 thru 44167 .....	1	31	593404	HOSE, Filter to Injection Pump .....	1
6	627982	GASKET, Sender Unit to Tank .....	1	32	16F-16	PLUG, Fuel Tank .....	1
7	711405	SENDER UNIT, Fuel Tank .....	1	33	593815	HOSE, Fuel Tank to Drain Manifold	1
8	3G-1008	SCREW, Sender Unit to Tank .....	5	34	593814	HOSE, Pump to Tank .....	1
9	38F-3	CONNECTOR, Tube to Tank .....	1	35	-----	*FILTER ASSY, Fuel .....	1
10	-----	OMIT, Not Used.....	—	36		<i>ADAPTER, Hose to Filter</i>	
11	51D-10	NUT, Sender Unit Terminal .....	1	36A	81F-3	For Serial 44124 thru 44210 .....	1
12		<i>ADAPTER, Hose to Filter</i>		36B	594542	For Serial 44211 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter ..	1
12A	42F-9	For Serial 44124 thru 44210 .....	1	37	31H-42	CLAMP, Fuel Hoses .....	1
12B	519275	For Serial 44211 thru 44299, 1TC100 thru 1TC102, 2TC1 & thereafter (Inc. 20) .....	1	38	18C-1024	BOLT, Tank to Frame .....	3
12C	91F-7	†O-RING, Adapter .....	1	39	4E-10	LKWSHR, Tank to Frame .....	3
13	38F-10	CONNECTOR, Hose to Tank .....	1	40	2D-08	**NUT, Tank to Frame .....	5
14	594086	TUBE, Fuel Tank Breather .....	1	40A	70D-08	***NUT, Tank to Frame .....	5
15	30H-18	CLIP, Breather Tube .....	1	41	4E-08	**LKWSHR, Tank to Frame .....	5
16	14G-1408	SCREW, Breather Tube .....	1	41A	71D-08	***BASE, Tank to Frame .....	5
16A	4E-04	LKWSHR, Breather Tube .....	1	42	18C-828	BOLT, Tank to Frame .....	5
17	2D-10	**NUT, Tank to Frame .....	1	42A	591381	†PLATE, Tank Clean Out .....	1
				42B	25K-40428†	O-RING, Clean Out Plate .....	1
				42C	18C-616	†BOLT, Clean Out Plate .....	6
				42D	4E-06	†LKWSHR, Clean Out Plate .....	6

\*NOTE: Your local authorized Cummins Engine Distributor is equipped to service and supply these parts.

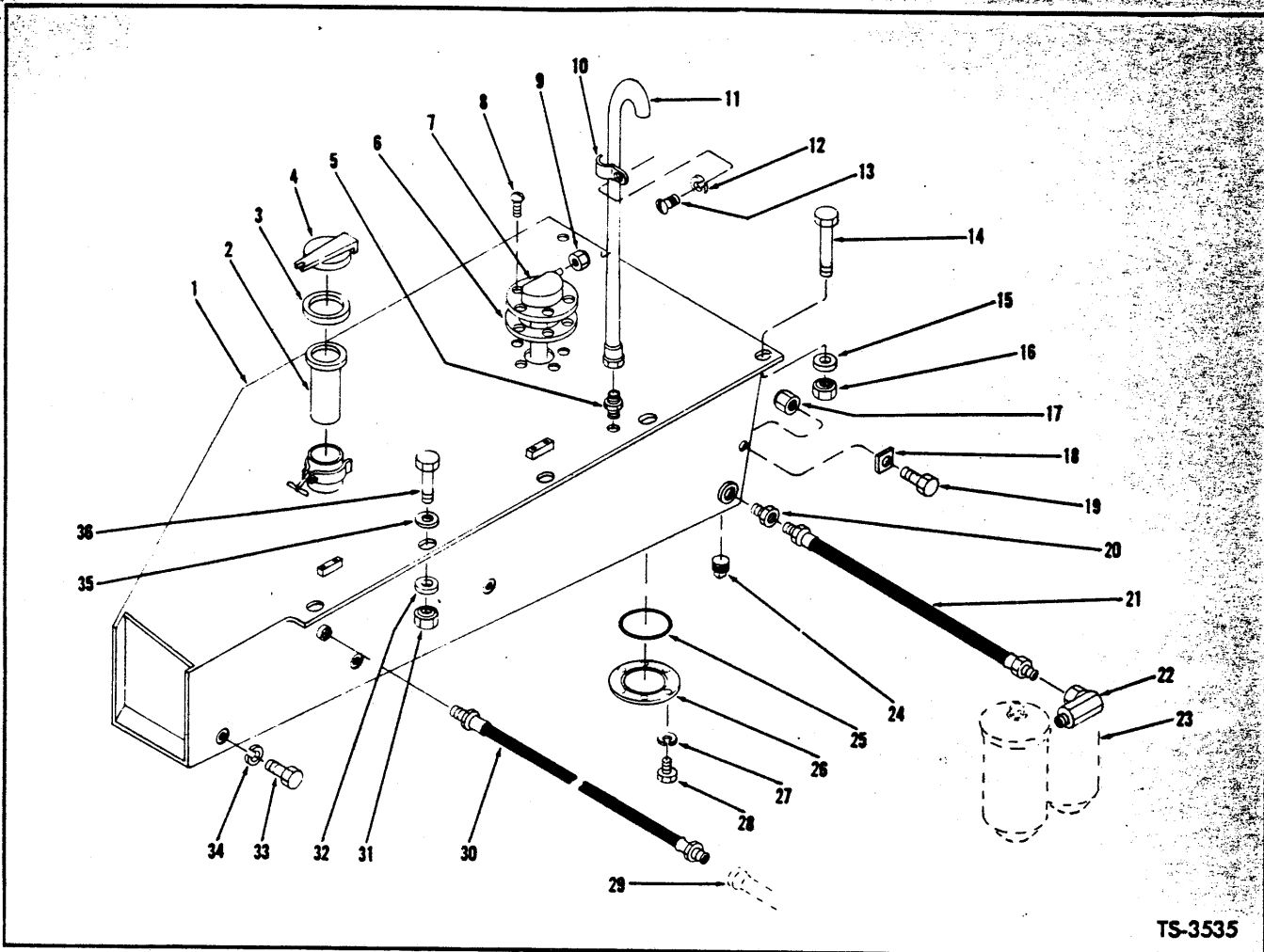
\*\*NOTE: For Serial: 44123 thru 2TC30.

\*\*\*NOTE: For Serial: 2TC31 & after.

†Not Illustrated

‡As Required

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



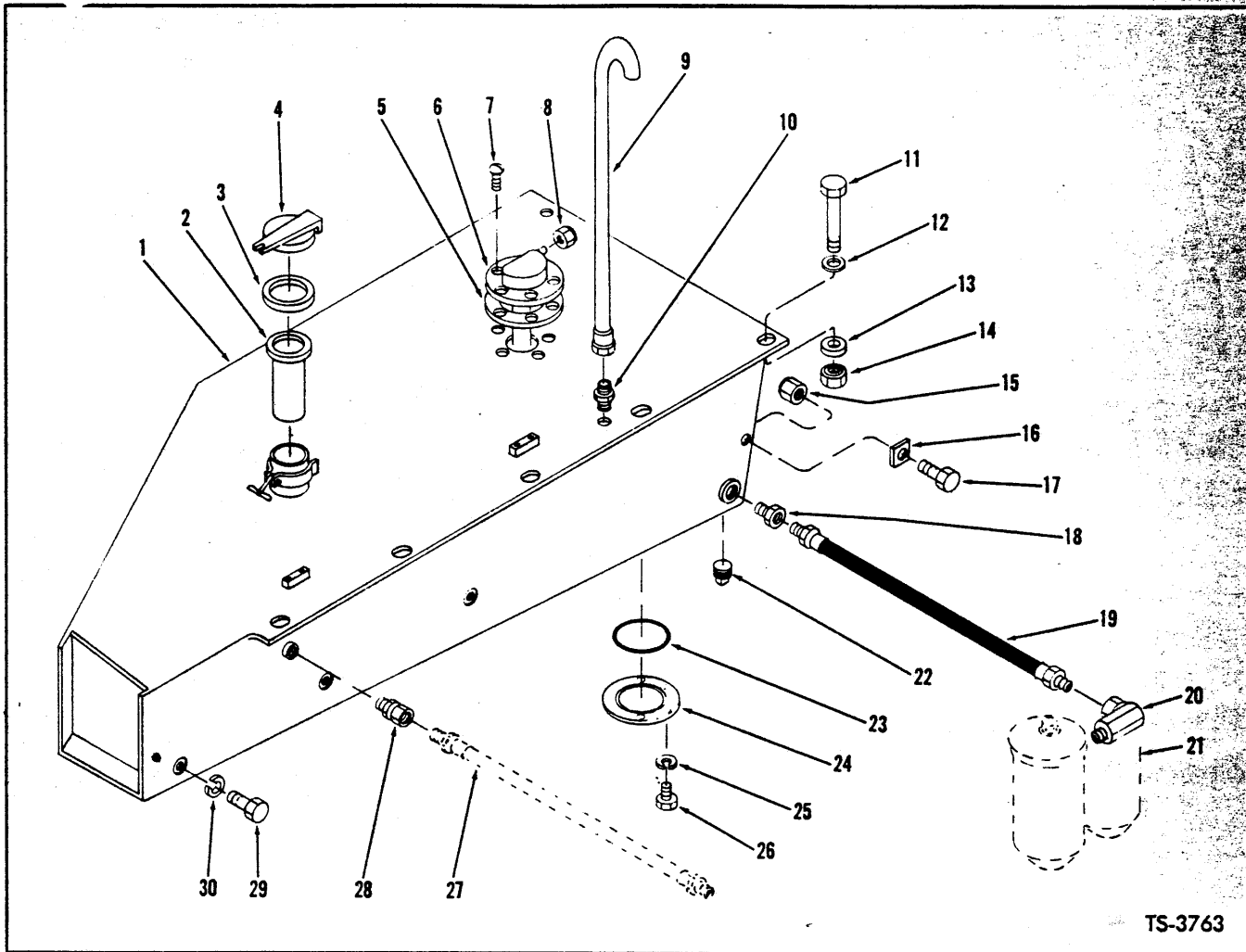
TS-3535

**FUEL TANK AND LINES — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	582119	TANK ASSY, Fuel (Inc. 2, 3, 4, 25 thru 28)	1	18	591187	‡SPACER, Tank to Frame Web	1
2	943957	STRAINER, Fuel Filler	1	19	18C-1024	BOLT, Tank to Frame Web	1
3	943958	GASKET, Fuel Filler Cap	1	20	356614	BUSHING, Tank to Intake Hose Reducing	1
4	943956	CAP, Fuel Filler	1	21	581792	HOSE, Fuel Intake	1
5	38F-3	CONNECTOR, Breather Tube to Tank	1	22	731163	ADAPTER UNION	1
6	627982	GASKET, Sender Unit to Tank	1	23	—	FILTERS—See Engine Parts Manual	—
7	711405	SENDER UNIT, Fuel	1	24	16F-16	PLUG, Fuel Tank	1
8	3G-1008	SCREW, Sender Unit to Tank	5	25	25K-40428	"O" RING, Plate to Tank	1
9	51D-10	NUT, Sender Unit Terminal	1	26	591381	PLATE, Tank Clean Out	1
10	30H-18	CLIP, Breather Tube	1	27	4E-06	LKWSHR, Plate to Tank	6
11	594086	TUBE, Fuel Tank Breather	1	28	18C-616	BOLT, Plate to Tank	6
12	4E-04	LKWSHR, Clip Attaching	1	29	—	LINE, Injector Drain — See Engine Parts Manual	—
13	18C-408	SCREW, Clip Attaching	1	30	581643	HOSE, Fuel Injector Drain	1
14	18C-828	BOLT, Reservoir Bracket & Tank to Frame Flange	1	31	70D-08	NUT, Tank to Frame Flange	4
15	71D-08	BASE, Reservoir Bracket & Tank to Frame Flange	1	32	71D-08	BASE, Tank to Frame Flange	4
16	70D-08	NUT, Reservoir Bracket & Tank to Frame Flange	1	33	18C-1024	BOLT, Tank to Frame Web	3
17	18D-10	NUT, Tank to Frame Web	1	34	4E-10	LKWSHR, Tank to Frame Web	3
				35	616800	WASHER, Tank to Frame Flange	4
				36	18C-824	BOLT, Tank to Frame Flange	4

‡As Required

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



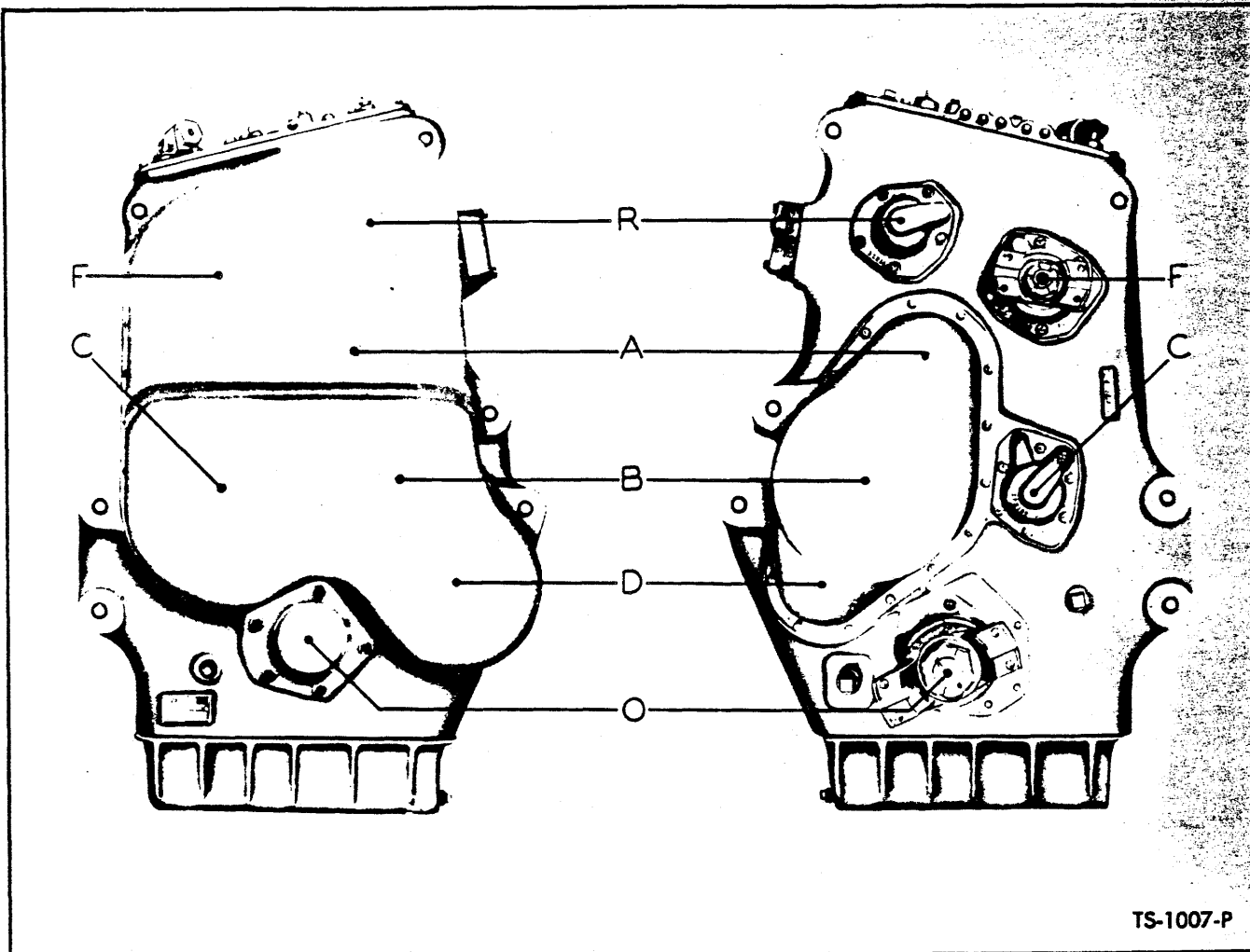
TS-3763

**FUEL TANK AND LINES — G.M.  
For Serial 3TG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	582119	TANK ASSY, Fuel (Inc. 2, 3, 4, 23 thru 26)	1	17	18C-1024	BOLT, Tank to Frame Web	1
2	943957	STRAINER, Fuel Filler	1	18	356614	BUSHING, Tank to Intake Hose Reducing	1
3	943958	GASKET, Fuel Filler Cap	1	19	541223	HOSE, Fuel Intake	1
4	943956	CAP, Fuel Filler	1	20	731163	ADAPTER UNION	1
5	627982	GASKET, Sender Unit to Tank	1	21	—	FILTERS — See Engine Parts Manual	—
6	711405	SENDER UNIT, Fuel	1	22	16F-16	PLUG, Fuel Tank	1
7	3G-1008	SCREW, Sender Unit to Tank	5	23	25K-40428	"O" RING, Plate to Tank	1
8	51D-10	NUT, Sender Unit Terminal	1	24	591381	PLATE, Tank Clean Out	1
9	594086	TUBE, Fuel Tank Breather	1	25	4E-06	LKWSHR, Plate to Tank	6
10	38F-3	CONNECTOR, Breather Tube to Tank	1	26	18C-616	BOLT, Plate to Tank	6
11	18C-828	BOLT, Tank to Frame Flange	5	27	—	HOSE, Fuel Injector Drain — See Engine Parts Manual	—
12	584092	WASHER, Tank to Frame Flange	4	28	36F-3	ADAPTER UNION	1
13	71D-08	BASE, Tank to Frame Flange	5	29	18C-1024	BOLT, Tank to Frame Web	3
14	70D-08	NUT, Tank to Frame Flange	5	30	4E-10	LKWSHR, Tank to Frame Web	3
15	18D-10	NUT, Tank to Frame Web	1				
16	591187	SPACER, Tank to Frame Web	—				

As Required

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



TS-1007-P

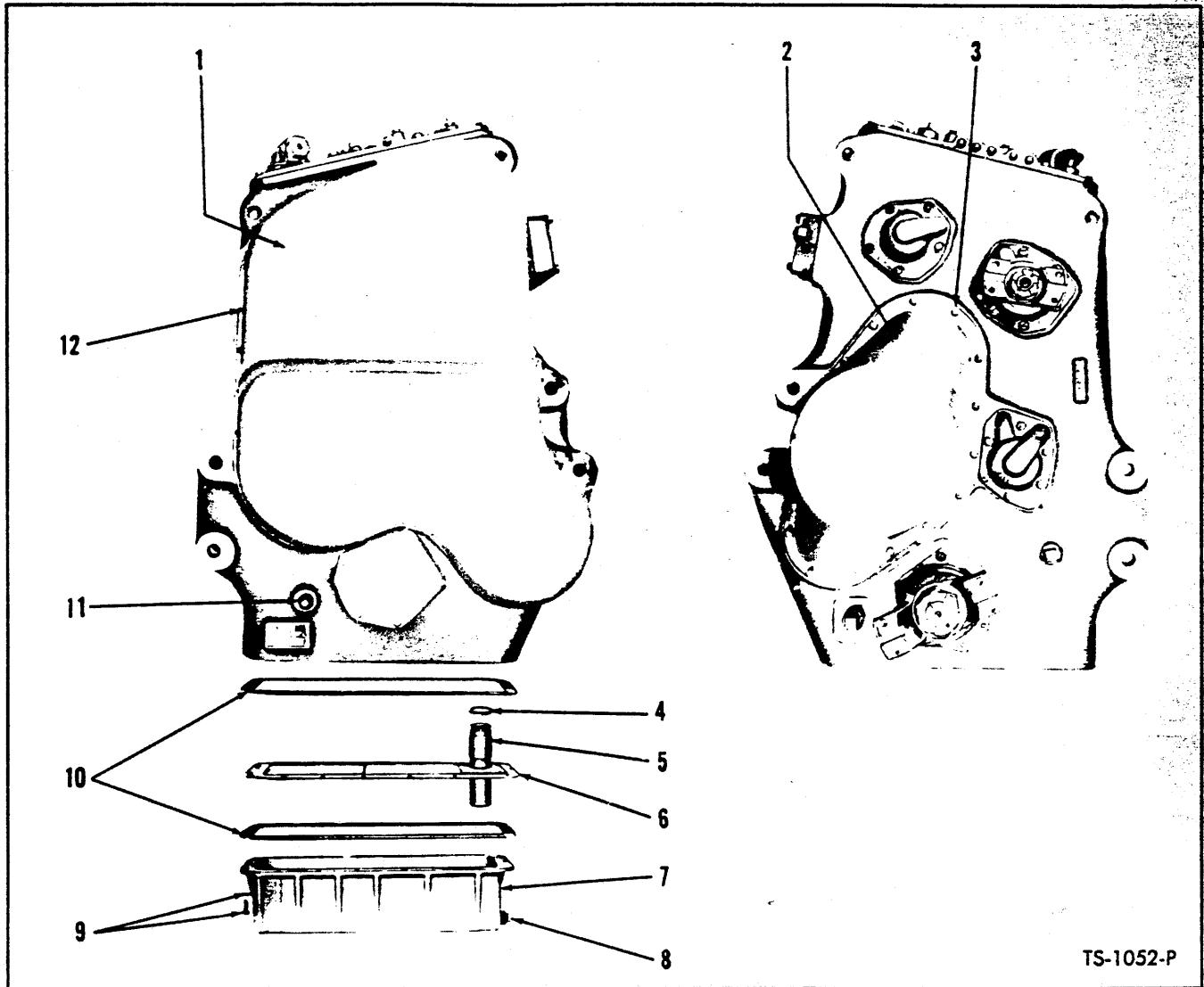
**TRANSMISSION ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.
A	281414	*TRANSMISSION ASSY	1

\*NOTE: Transmission Assembly, under above designation, includes all items listed on Pages 19 thru 33. For purpose of identification, illustration above indicates by alphabetical designation the individual shaft group location in transmission. Code to alphabetical designation is given below. Alphabetical designation also appears in heading of each shaft group covered in parts listings herein.

- A — Second and Four Drive Shaft Group
- B — First and Third Drive Shaft Group
- C — Low Range Drive Shaft Group
- D — High Range Drive Shaft Group
- F — Input Drive Shaft and Forward Clutch Group
- O — Output Shaft Group
- R — Reverse Drive Shaft Group

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



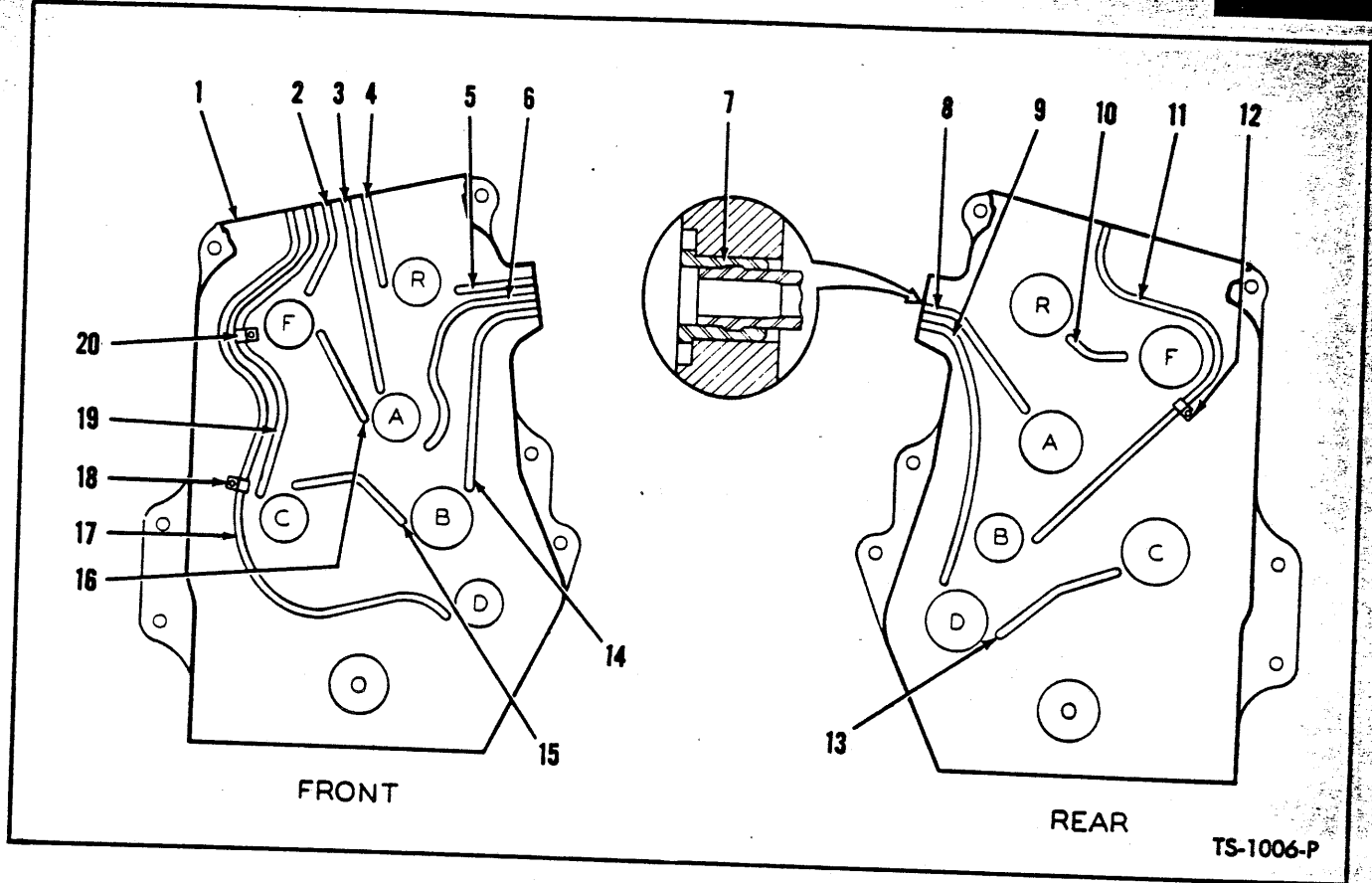
TS-1052-P

**TRANSMISSION CLUTCH COVER GROUP**

Item No.	Part No.	Description	No. Req'd.
1	222074	COVER, Clutch	1
1A	222075	†GASKET, Clutch Cover	1
2	222098	COVER, Clutch	1
2A	222099	†GASKET, Clutch Cover	1
3	5C-616	BOLT & LKWSHR, Clutch Cover	16
4	25K-40120	"O" RING, Suction Pipe	1
5	222073	PIPE, Oil Suction	1
6	222070	SCREEN	1
7	222068	PAN, Oil	1
8	224944	PLUG, Drain—Magnetic	1
9	5C-620	BOLT & LKWSHR, Oil Pan	15
10	222069	GASKET, Oil Pan	2
11	13F-12	PLUG, Oil Level	1
12	1C-614	BOLT, Clutch Cover	32
12A	4E-06	†LKWSHR, Clutch Cover	32

†Not Illustrated

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



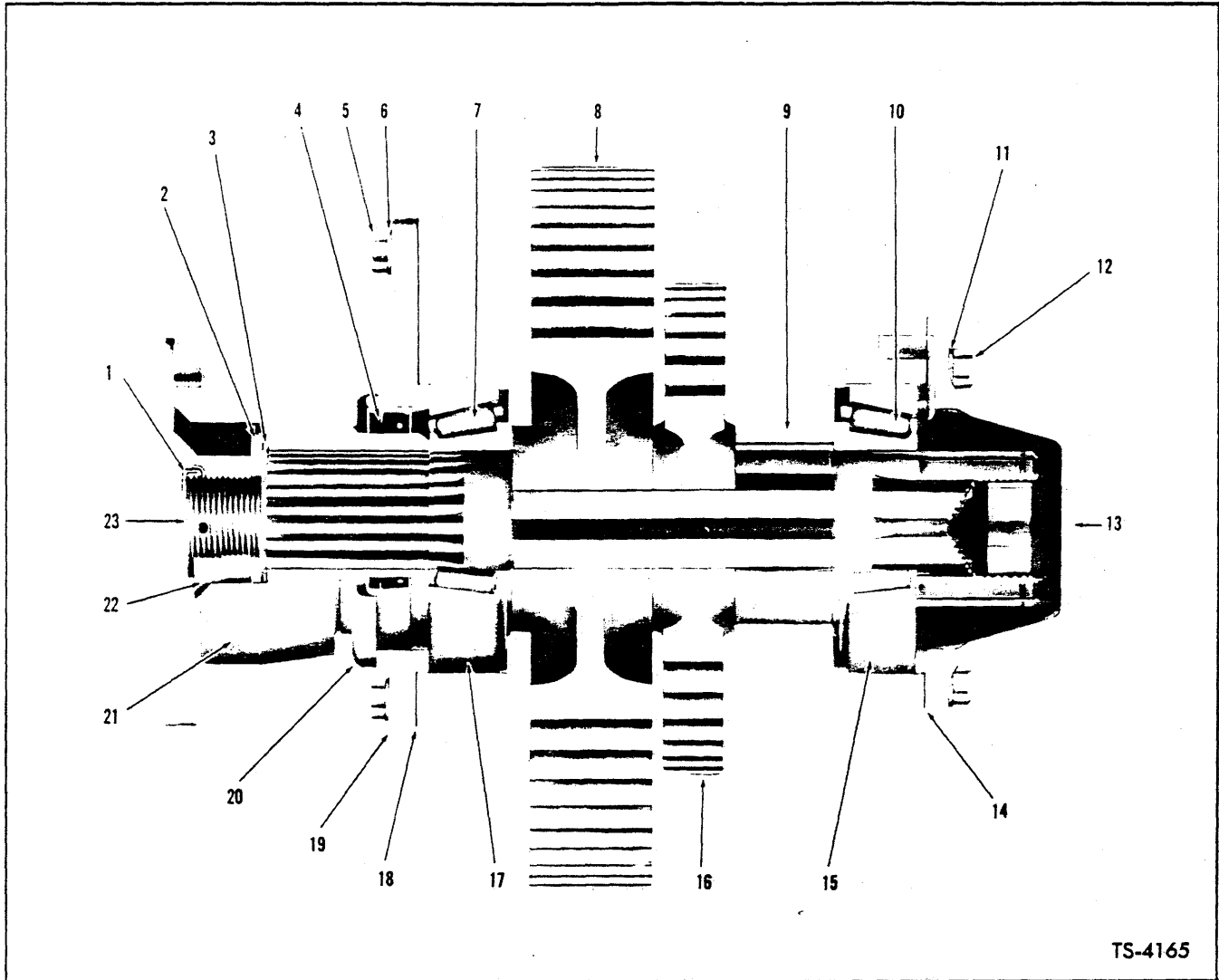
**TRANSMISSION CASE AND INTERNAL TUBING**

Item No.	Part No.	Description	No. Req'd.
1	222051	CASE ASSY, Transmission (Inc. 2 thru 20B)	1
2	222053	*TUBE, Input Clutch Pressure	1
3	222054	*TUBE, 2nd & 4th Clutch Pressure	1
4	222052	*TUBE, Reverse Clutch Pressure	1
5	222058	*TUBE, Reverse Drive Shaft Lubrication - Front	1
6	222061	*TUBE, 2nd & 4th Drive Shaft Lubrication - Front	1
7	222067	SLEEVE, Pressure & Lubrication Tubes	1
8	222062	*TUBE, 2nd & 4th Drive Shaft Lubrication - Rear	30
9	222066	*TUBE, High Range Drive Shaft Lubrication - Rear	1
10	222060	*TUBE, Input Drive Shaft Lubrication - Rear	1
11	222055	*TUBE, 1st & 3rd Clutch Pressure	1
12	222167	CLIP, 1st & 3rd Clutch Pressure Tube	1
12A	1H-415	†RIVET, Clip to Case	1
12B	619018	†WASHER, Clip to Case	1
13	222065	*TUBE, Low Range Drive Shaft Lubrication - Rear	1
14	222063	*TUBE, 1st & 3rd Drive Shaft Lubrication - Rear	1
15	222064	*TUBE, Low Range Drive Shaft Lubrication - Front	1
16	222059	*TUBE, Input Drive Shaft Lubrication - Front	1
17	222057	*TUBE, High Range Clutch Pressure	1
18	222167	CLIP, High Range Clutch Pressure Tube	1
18A	1H-415	†RIVET, Clip to Case	1
18B	619018	†WASHER, Clip to Case	1
19	222056	*TUBE, Low Range Clutch Pressure	1
20	222167	CLIP, Low Range Clutch Pressure Tube	1
20A	1H-420	†RIVET, Clip to Case	1
20B	619018	†WASHER, Clip to Case	1

\*NOTE: Use two (2) 222067 sleeves (item 7) when replacing any of the above tubes, one at each end of tube. Use 943374 Tube Expander to expand tube into sleeve.  
†Not Illustrated

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





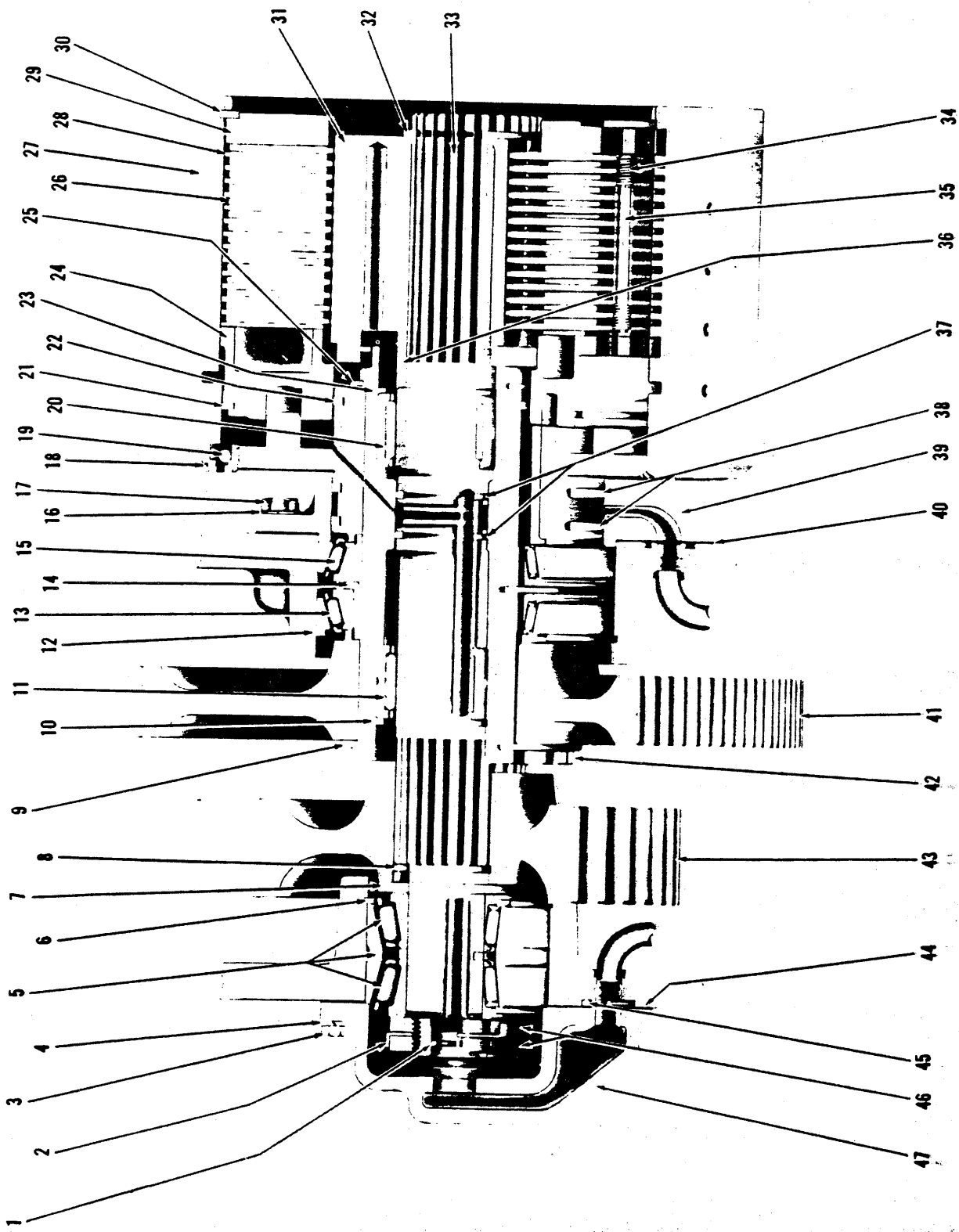
TS-4165

**OUTPUT SHAFT GROUP — "O"**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1F-440	COTTER, Flange Nut .....	1	14	222201	‡SHIM, Rear Bearing Cap — .004 .....	—
2	222181	WASHER, Flange Nut .....	1	14A	222202	‡SHIM, Rear Bearing Cap — .007 .....	—
3	25K-60204	"O" RING, Flange .....	1	14B	222203	‡SHIM, Rear Bearing Cap — .010 .....	—
4	222182	SEAL, Flange Oil .....	1	14C	222204	‡SHIM, Rear Bearing Cap — .020 .....	—
5	1C-824	BOLT, Front Bearing Cap .....	5	15	710037	CUP, Output Shaft Tapered Bearing..	1
6	4E-08	LKWSHR, Front Bearing Cap .....	5	16	222134	GEAR, High Range Driven (52T) .....	1
7	654042	CONE, Output Shaft Tapered Bearing	1	17	710037	CUP, Output Shaft Tapered Bearing .....	1
8	222133	GEAR, Low Range Driven (63T) .....	1	18	222203	SHIM, Front Bearing Cap .....	1
9	222135	SPACER, Driven Gear .....	1	19	222137	CAP, Front Bearing .....	1
10	654042	CONE, Output Shaft Tapered Bearing	1	20	221643	DEFLECTOR, Flange .....	1
11	4E-08	LKWSHR, Rear Bearing Cap .....	5	21	222138	FLANGE ASSY, Output (Inc. 17) .....	1
12	1C-824	BOLT, Rear Bearing Cap ..	5	22	669897	NUT, Output Shaft Flange .....	1
13	222224	CAP, Rear Bearing .....	1	23	222130	SHAFT, Output (Inc. 23A).....	1
				23A	225406	†BUSHING, Output Shaft .....	1

‡As Required  
†Not Illustrated

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



TS-1628-P

LOW RANGE DRIVE SHAFT GROUP "C"

**LOW RANGE DRIVE SHAFT GROUP "C"**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	209781	RING, Oil Line Adapter Sealing	1	25		RING, Drum Hub Retaining (Select one at assembly)	
2	222078	LOCK, Tapered Bearing Nut	1	25A	224189	‡RING —.121 to .123	—
3	1C-720	BOLT, Bearing Cap	6	25B	224188	‡RING —.124 to .126	—
4	4E-07	LKWSHR, Bearing Cap	6	25C	224190	‡RING —.127 to .129	—
5	223318	BEARING, Drive Shaft Tapered	1	25D	224191	‡RING —.130 to .132	—
6	223993	RING, Tapered Bearing Locating	1	25E	224192	‡RING —.133 to .135	—
7	222376	SPACER, Drive Shaft Drive Gear	1	25F	224193	‡RING —.136 to .138	—
8	224004	RING, Drive Gear Retaining	1	25G	224194	‡RING —.139 to .141	—
9		RING, Input Gear Retaining (Select one at assembly)		25H	224195	‡RING —.142 to .144	—
9A	224189	‡RING —.121 to .123	—	26	222192	DISC, Clutch Inner	14
9B	224188	‡RING —.124 to .126	—	27	215509	**DRUM ASSY, Clutch (Inc. 18, 19)	1
9C	224190	‡RING —.127 to .129	—	28	222186	DISC, Clutch Outer	14
9D	224191	‡RING —.130 to .132	—	29	222187	PLATE, Clutch Disc End	1
9E	224192	‡RING —.133 to .135	—	30	223994	RING, End Plate Retaining	1
9F	224193	‡RING —.136 to .138	—	31	215511	HUB ASSY, Clutch Disc	1
9G	224194	‡RING —.139 to .141	—	32	224187	RING, Clutch Disc Hub Retaining	1
9H	224195	‡RING —.142 to .144	—	33	224395	SHAFT, Low Range Drive	1
10	655070	RING, Roller Bearing Locating—Front	1	34	222226	SPRING, Clutch Disc Release	2T
11	763193	BEARING, Quill Shaft Roller—Front	1	35	222604	PIN, Release Spring Guide	2T
12	223995	RING, Tapered Brg. Locating—Outer	1	36	222365	SPACER, Clutch Disc Hub	1
13	731366	CUP, Quill Shaft Tapered Bearing	1	37	222104	RING, Drive Shaft Sealing	2
13A	731367	CONE, Quill Shaft Tapered Bearing	1	38	222619	RING, Drum Hub Sealing	2
14	224188	RING, Tapered Brg. Locating—Inner	1	39	222129	CAP, Quill Shaft Tapered Bearing	1
15	731366	CUP, Quill Shaft Tapered Bearing	1	40	222205	‡SHIM, Tapered Bearing Cap —.004"	—
15A	731367	CONE, Quill Shaft Tapered Bearing	1	40A	222206	‡SHIM, Tapered Bearing Cap —.007"	—
16	6E-07	LKWSHR, Tapered Bearing Cap	8	40B	222207	‡SHIM, Tapered Bearing Cap —.010"	—
17	1C-720	BOLT, Tapered Bearing Cap	8	41	215769	GEAR, Quill Shaft Input—See Note A	1
18	214992	HOUSING, Bleed Valve	1	42	222128	SHAFT, Quill	1
19	10J-12	BALL, Bleed Valve	1	43	222126	GEAR, Drive Shaft Drive (42T)	1
20	763195	BEARING, Quill Shaft Roller—Rear	1	44	222103	GASKET, Bearing Cap	1
21	222210	RING, Clutch Piston Outer	1	45	25K-40026	"O" RING, Bearing Cap	1
22	222619	RING, Clutch Piston Inner	1	46	222077	NUT, Tapered Bearing Lock	2
23	655071	RING, Roller Bearing Locating—Rear	1	47	800978	CAP ASSY, Bearing (Inc. 1, 45)	1
24		PISTON, Clutch					
24A	222199	*For Serial 44123 thru 44183	1				
24B	224433	For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1				

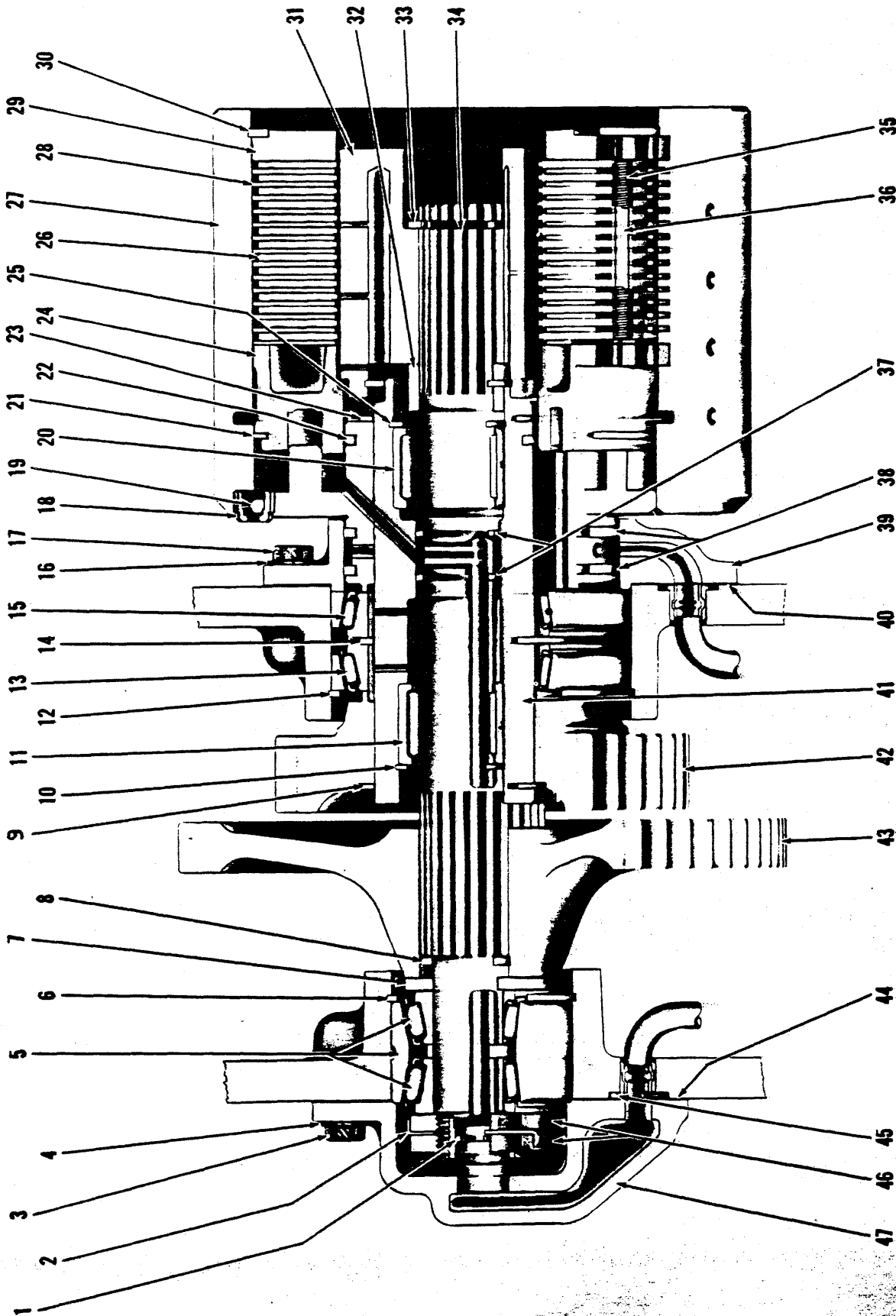
‡As Required

\*NOTE: Piston item 24A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 27 and Piston, item 24B, subsequent replacement must be with same part numbers.

\*\*NOTE: When 215509 Drum is installed in machines Serial 44123 thru 44183, item 24B 224433 Piston must be used.

NOTE A: When 215769 (item 41) is used to replace 222127 (part number stamped on gear) it is necessary to replace the following mating gears as a set: 215771 Gear, Quill Shaft Input in place of 222153; 215770 Gear, 2nd & 4th Driven in place of 222188; 215768 Gear, Quill Shaft Drive in place of 222189.

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



TS-1691-P

HIGH RANGE DRIVE SHAFT GROUP "D"

**HIGH RANGE DRIVE SHAFT GROUP "D"**

No. Item	No. Part	Description	Req'd. No.	Item No.	Part No.	Description	No. Req'd.
1	209781	RING, Oil Line Adapter Sealing	1	23C	224177	‡RING — .123 to .125	—
2	222078	LOCK, Tapered Bearing Nut	1	23D	224180	‡RING — .126 to .128	—
3	1C-720	BOLT, Bearing Cap	5	23E	224181	‡RING — .129 to .131	—
4	6E-07	LKWSHR, Bearing Cap	5	23F	224182	‡RING — .132 to .134	—
5	223316	BEARING, Drive Shaft Tapered	1	23G	224183	‡RING — .135 to .137	—
6	223991	RING, Tapered Bearing Locating	1	23H	224184	‡RING — .138 to .140	—
7	222377	SPACER, Drive Gear	1	23J	224185	‡RING — .141 to .143	—
8	224003	RING, Drive Gear Retaining	1	23K	224186	‡RING — .144 to .146	—
9		RING, Input Gear Retaining (Select one at assembly)		24		PISTON, Clutch	
9A	224178	‡RING — .117 to .119	—	24A	222170	*For Serial 44123 thru 44183	1
9B	224179	‡RING — .120 to .122	—	24B	224437	For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
9C	224177	‡RING — .123 to .125	—	25	660883	RING, Roller Bearing Locating—Rear	1
9D	224180	‡RING — .126 to .128	—	26	216050	DISC, Clutch Inner	14
9E	224181	‡RING — .129 to .131	—	27	215513	**DRUM ASSY, Clutch (Inc. 18, 19)	1
9F	224182	‡RING — .132 to .134	—	28	222173	DISC, Clutch Outer	14
9G	224183	‡RING — .135 to .137	—	29	222172	PLATE, Clutch Disc End	1
9H	224184	‡RING — .138 to .140	—	30	223989	RING, End Plate Retaining	1
9J	224185	‡RING — .141 to .143	—	31	215515	HUB ASSY, Clutch Disc	1
10	663609	RING, Roller Bearing Locating—Front	1	32	222366	SPACER, Clutch Disc Hub	1
11	730245	BEARING, Quill Shaft Roller—Front	1	33	224176	RING, Disc Hub Retaining	1
12	223990	RING, Tapered Brg. Locating—Outer	1	34	224508	SHAFT, High Range Drive	1
13	731360	CUP, Quill Shaft Tapered Bearing	1	35	222226	SPRING, Clutch Release	17
13A	731361	CONE, Quill Shaft Tapered Bearing	1	36	222604	PIN; Release Spring Guide	17
14	224177	RING, Tapered Brg. Locating—Inner	1	37	222079	RING, Drive Shaft Sealing	2
15	731360	CUP, Quill Shaft Tapered Bearing	1	38	222618	RING, Drum Hub Sealing	2
15A	731361	CONE, Quill Shaft Tapered Bearing	1	39	222083	CAP, Tapered Bearing	1
16	6E-07	LKWSHR, Tapered Bearing Cap	6	40	222084	‡SHIM, Tapered Bearing Cap—.004"	—
17	1C-720	BOLT, Tapered Bearing Cap	6	40A	222085	‡SHIM, Tapered Bearing Cap—.007"	—
18	214992	HOUSING, Bleed Valve	1	40B	222086	‡SHIM, Tapered Bearing Cap—.010"	—
19	10J-12	BALL, Bleed Valve	1	41	222198	SHAFT, Quill	1
20	223406	BEARING, Quill Shaft Roller—Rear	1	42	215771	GEAR, Quill Shaft Input—See Note A	1
21	222213	RING, Clutch Piston — Outer	1	43	222152	GEAR, Drive Shaft Drive (64T)	1
22	222618	RING, Clutch Piston — Inner	1	44	222216	GASKET, Bearing Cap	1
23		RING, Drum Hub Retaining (Select one at assembly)		45	25K-40026	"O" RING, Bearing Cap	1
23A	224178	‡RING — .117 to .119	—	46	222077	NUT, Tapered Bearing Lock	2
23B	224179	‡RING — .120 to .122	—	47	800988	CAP ASSY, High Range Bearing (Inc. 1, 45)	1
				48	222173	‡DISC, Clutch Disc Spacer	—

†Not Illustrated

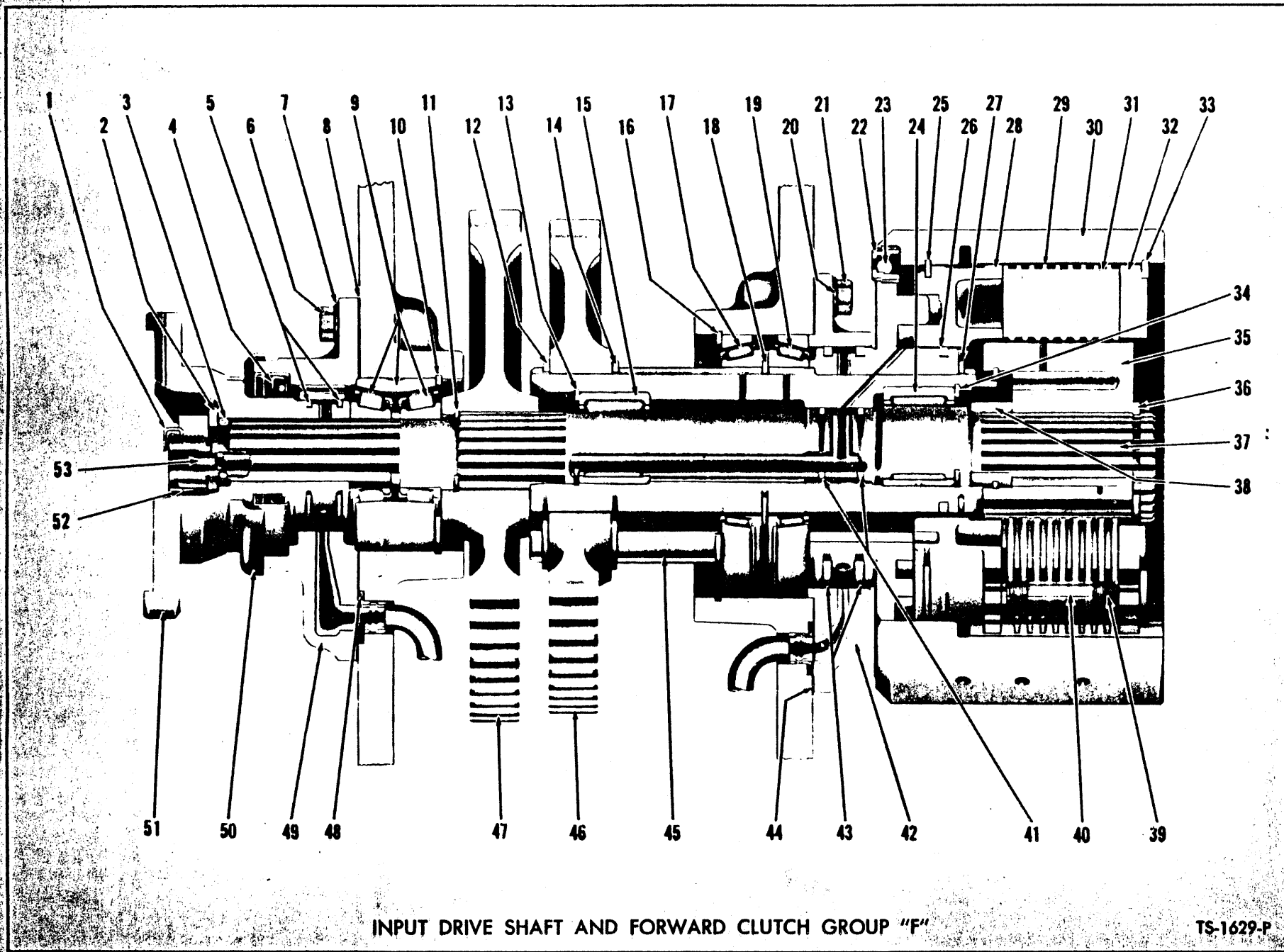
‡As Required

\*NOTE: Piston item 24A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 27 and Piston, item 24B, subsequent replacement must be with same part numbers.

NOTE: When 215513 Drum is installed in machines Serial 44123 thru 44183, item 24B 224437 Piston must be used.

NOTE A: When 215771 (item 42) is used to replace 222153 (part number stamped on gear) it is necessary to replace the following mating gears as a set: 215769 Gear, Quill Shaft Input in place of 222127; 215770 Gear, 2nd & 4th Driven in place of 222188; 215768 Gear, Quill Shaft Drive in place of 222189.

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



24

(1/23)

PM 180

INPUT DRIVE SHAFT AND FORWARD CLUTCH GROUP "F"

TS-1629-P

**INPUT DRIVE SHAFT AND FORWARD CLUTCH GROUP — "F"**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1F-432	COTTER, Input Flange Nut	1	27		RING, Clutch Drum Hub Retaining (Select one at assembly)	1
2	222179	WASHER, Input Flange Nut	1	27A	224178	‡RING—.117 to .119	1
3	25K-60116	"O" RING, Input Flange	1	27B	224179	‡RING—.120 to .122	1
4	222183	SEAL, Input Shaft Bearing Cap Oil	1	27C	224177	‡RING—.123 to .125	1
5	222209	RING, Input Flange Sealing	2	27D	224180	‡RING—.126 to .128	1
6	1C-720	BOLT, Input Shaft Bearing Cap	6	27E	224181	‡RING—.129 to .131	1
7	4E-07	LKWSHR, Input Shaft Bearing Cap	6	27F	224182	‡RING—.132 to .134	1
8	222093	GASKET, Input Shaft Bearing Cap	1	27G	224183	‡RING—.135 to .137	1
9	223314	BEARING, Drive Shaft Tapered	1	27H	224184	‡RING—.138 to .140	1
10	223992	RING, Tapered Bearing Locating	1	27J	224185	‡RING—.141 to .143	1
11	224003	RING, Reverse Drive Gear Retaining	1	27K	224186	‡RING—.144 to .146	1
12		RING, Quill Shaft Drive Gear Retaining (Select one at assembly)	1	28		PISTON, Clutch	1
12A	224178	‡RING—.117 to .119	—	28A	222170	*For Serial 44123 thru 44183	1
12B	224179	‡RING—.120 to .122	—	28B	224437	For Serial 44123 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
12C	224177	‡RING—.123 to .125	—	29	222173	DISC, Clutch Outer	9
12D	224180	‡RING—.126 to .128	—	30	215521	**DRUM ASSY, Clutch (Inc. 22, 23)	1
12E	224181	‡RING—.129 to .131	—	31	216050	DISC, Clutch Inner	9
13	663609	RING, Roller Bearing Locating—Front	1	32	222172	PLATE, Clutch Disc End	1
14	224177	RING, Quill Shaft Drive Gear Locating	1	33	223989	RING, End Plate Retaining	1
15	730245	BEARING, Quill Shaft Roller—Front	1	34	660883	RING, Roller Bearing Locating—Rear	1
16	223990	RING, Tapered Brg. Locating—Outer	1	35	215523	HUB ASSY, Clutch Disc	1
17	731360	CUP, Quill Shaft Tapered Bearing	1	36	224176	RING, Clutch Disc Hub Retaining	1
17A	731361	CONE, Quill Shaft Tapered Bearing	1	37	801070	SHAFT ASSY, Input (Inc. 53)	1
18	224177	RING, Bearing Locating—Inner	1	38	222366	SPACER, Clutch Disc Hub	1
19	731360	CUP, Quill Shaft Tapered Bearing	1	39	221745	SPRING, Clutch Disc Release	17
19A	731361	CONE, Quill Shaft Tapered Bearing	1	40	222603	PIN, Release Spring Guide	17
20	6E-07	LKWSHR, Tapered Bearing Cap	6	41	222079	RING, Drive Shaft Sealing	2
21	1C-720	BOLT, Tapered Bearing Cap	6	42	222083	CAP, Quill Shaft Tapered Bearing	1
22	214992	HOUSING, Bleed Valve	1	43	222618	RING, Clutch Drum Hub Sealing	2
23	10J-12	BALL, Bleed Valve	1	44	222084	‡SHIM, Tapered Bearing Cap—004	—
24	223406	BEARING, Quill Shaft Roller—Rear	1	44A	222085	‡SHIM, Tapered Bearing Cap—007	—
25	222213	RING, Clutch Piston—Outer	1	44B	222086	‡SHIM, Tapered Bearing Cap—010	—
26	222618	RING, Clutch Piston—Inner	1	45	216049	SHAFT, Quill — See Note A	1
				46	222081	GEAR, Quill Shaft Drive (59T)	1
				47	222168	GEAR, Reverse Drive (61T)	1
				48	25K-40026	"O" RING, Bearing Cap	1
				49	222092	CAP, Input Shaft Bearing	1
				50	222096	DEFLECTOR, Input Flange	1
				51	222094	FLANGE ASSY, Input (Inc. 50)	1
				52	205928	NUT, Input Flange	1
				53	16F-04	PLUG, Input Shaft	1

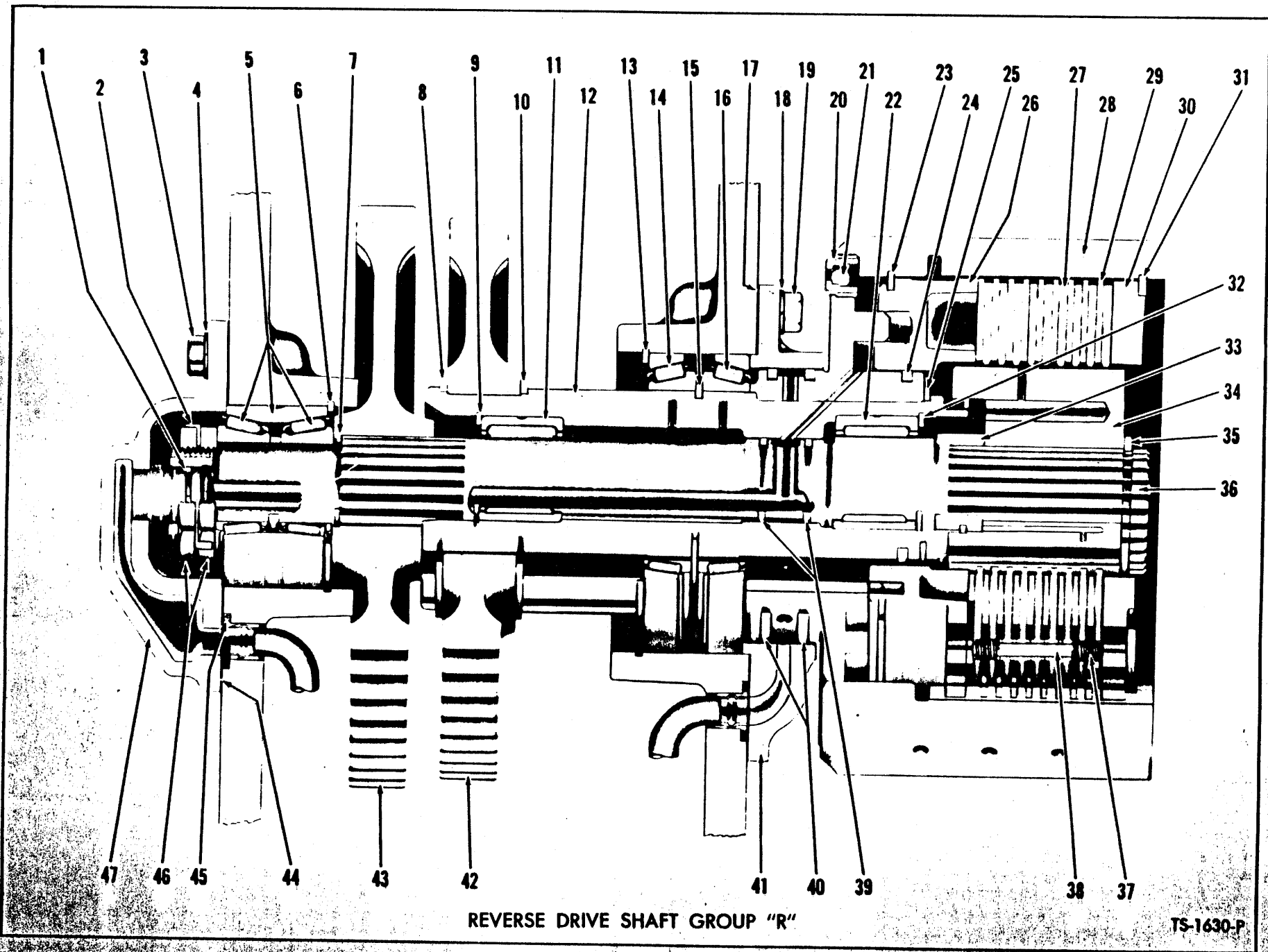
‡As Required

\*NOTE: Piston item 28A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 30 and Piston item 28B, subsequent replacement must be with same part numbers.

\*\*NOTE: When 215521 Drum is installed in machines Serial 44123 thru 44183, item 28B 224437 Piston must be used.

NOTE A: When 216049 Quill Shaft (item 45) is installed in place of 222082 (part number stamped on end of shaft) 1-215990 Valve Assembly must be installed in Return Cooler Oil Relief Valve at the same time.

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



REVERSE DRIVE SHAFT GROUP "R"

TS-1630-P

26

(1K3)

REV. 1-60



**REVERSE DRIVE SHAFT GROUP — "R"**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	209781	RING, Oil Line Adapter Sealing	1	25		RING, Drum Hub Retaining (Select one at assembly)	
2	222078	LOCK, Tapered Bearing Nut	1	25A	224178	‡RING—.117 to .119	—
3	1C-720	BOLT, Bearing Cap	5	25B	224179	‡RING—.120 to .122	—
4	4E-07	LKWSHR, Bearing Cap	5	25C	224177	‡RING—.123 to .125	—
5	223316	BEARING, Drive Shaft Tapered	1	25D	224180	‡RING—.126 to .128	—
6	223991	RING, Tapered Bearing Locating	1	25E	224181	‡RING—.129 to .131	—
7	224003	RING, Driven Gear Retaining	1	25F	224182	‡RING—.132 to .134	—
8		RING, Drive Gear Retaining (Select one at assembly)		25G	224183	‡RING—.135 to .137	—
8A	224178	‡RING—.117 to .119	—	25H	224184	‡RING—.138 to .140	—
8B	224179	‡RING—.120 to .122	—	25J	224185	‡RING—.141 to .143	—
8C	224177	‡RING—.123 to .125	—	25K	224186	‡RING—.144 to .146	—
8D	224180	‡RING—.126 to .128	—	26		PISTON, Clutch	
8E	224181	‡RING—.129 to .131	—	26A	222170	*For Serial 44123 thru 44183	1
9	663609	RING, Roller Bearing Locating—Front	1	26B	224437	For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
10	224177	RING, Drive Gear Locating	1	27	216050	DISC, Clutch Inner	9
11	730245	BEARING, Quill Shaft Roller—Front	1	28	215521	**DRUM ASSY, Clutch (Inc. 20, 21)	1
12	216049	SHAFT, Quill — See Note A	1	29	222173	DISC, Clutch Outer	9
13	223990	RING, Tapered Brg. Locating—Outer	1	30	222172	PLATE, Clutch Disc End	1
14	731360	CUP, Quill Shaft Tapered Bearing	1	31	223989	RING, End Plate Retaining	1
14A	731361	CONE, Quill Shaft Tapered Bearing	1	32	660883	RING, Roller Bearing Locating—Rear	1
15	224177	RING, Tapered Brg. Locating—Inner	1	33	222366	SPACER, Clutch Disc Hub	1
16	731360	CUP, Quill Shaft Tapered Bearing	1	34	215523	HUB ASSY, Clutch Disc	1
16A	731361	CONE, Quill Shaft Tapered Bearing	1	35	224176	RING, Disc Hub Retaining	1
17	222084	‡SHIM, Tapered Bearing Cap—.004	—	36	224392	SHAFT, Reverse Drive	1
17A	222085	‡SHIM, Tapered Bearing Cap—.007	—	37	221745	SPRING, Clutch Disc Release	17
17B	222086	‡SHIM, Tapered Bearing Cap—.010	—	38	222603	PIN, Release Spring Guide	17
18	6E-07	LKWSHR, Tapered Bearing Cap	6	39	222079	RING, Drive Shaft Sealing	2
19	1C-720	BOLT, Tapered Bearing Cap	6	40	222618	RING, Drum Hub Sealing	2
20	214992	HOUSING, Bleed Valve	1	41	222083	CAP, Quill Shaft Tapered Bearing	1
21	10J-12	BALL, Bleed Valve	1	42	222081	GEAR, Quill Shaft Drive (59T)	1
22	223406	BEARING, Quill Shaft Roller—Rear	1	43	222080	GEAR, Drive Shaft Driven (60T)	1
23	222213	RING, Piston Outer Sealing	1	44	222089	GASKET, Bearing Cap	1
24	222618	RING, Piston Inner Sealing	1	45	25K-40026	"O" RING, Bearing Cap	1
				46	222077	NUT, Tapered Bearing Lock	2
				47	800987	CAP ASSY, Bearing (Inc. 1, 45)	1

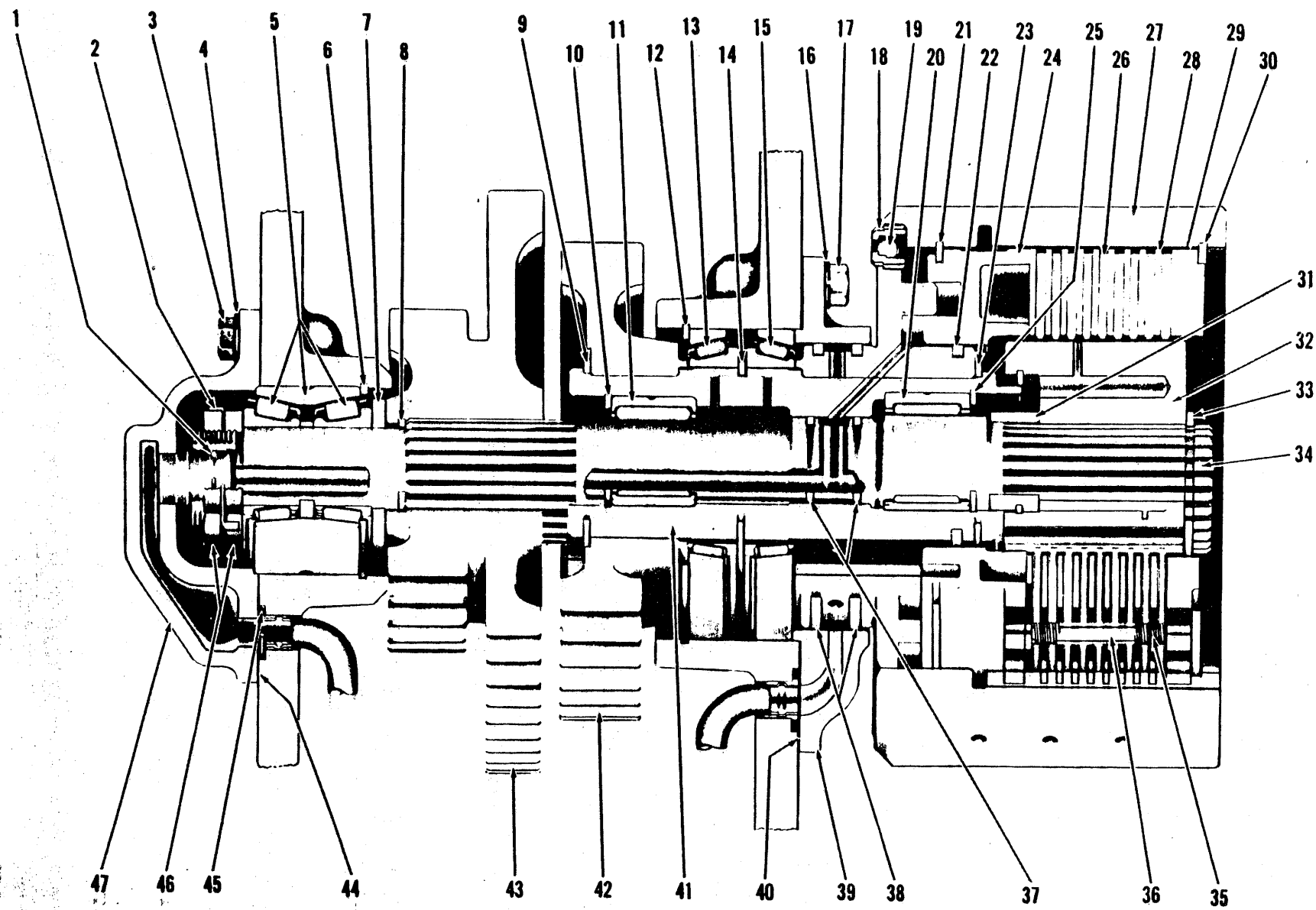
‡As Required

\*NOTE: Piston item 26A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 28 and Piston, item 26B, subsequent replacement must be with same part numbers.

\*\*NOTE: When 215521 Drum is installed on machines Serial 44123 thru 44183, item 26B 224437 Piston must be used.

NOTE A: When 216049 Quill Shaft (item 12) is installed in place of 222082 (port number stamped on end of shaft) 1-215990 Valve Assembly must be installed in Return Cooler Oil Relief Valve at the same time.

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



SECOND AND FOURTH DRIVE SHAFT GROUP "A"

TS-1632-P

28

(1J13)

PM214805



CONSTRUCTION MACHINERY DIVISION



SECOND AND FOURTH DRIVE SHAFT GROUP - "A"

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	209781	RING, Oil Line Adapter Sealing	1	23		RING, Clutch Drum Hub Retaining (Select one at assembly)	
2	222078	LOCK, Tapered Bearing Nut	1	23A	224178	‡RING—.117 to .119	—
3	1C-720	BOLT, Bearing Cap	5	23B	224179	‡RING—.120 to .122	—
4	6E-07	LKWSHR, Bearing Cap	5	23C	224177	‡RING—.123 to .125	—
5	223316	BEARING, Drive Shaft Tapered	1	23D	224180	‡RING—.126 to .128	—
6	223991	RING, Tapered Bearing Locating	1	23E	224181	‡RING—.129 to .131	—
7	222377	SPACER, Drive Shaft Input Gear	1	23F	224182	‡RING—.132 to .134	—
8	224003	RING, Input Gear Retaining	1	23G	224183	‡RING—.135 to .137	—
9		RING, Quill Shaft Drive Gear Locating— (Select one at assembly)		23H	224184	‡RING—.138 to .140	—
9A	224178	‡RING—.117 to .119	—	23J	224185	‡RING—.141 to .143	—
9B	224179	‡RING—.120 to .122	—	23K	224186	‡RING—.144 to .146	—
9C	224177	‡RING—.123 to .125	—	24		PISTON, Clutch	
9D	224180	‡RING—.126 to .128	—	24A	222170	*For Serial 44123 thru 44183	1
9E	224181	‡RING—.129 to .131	—	24B	224437	For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1
9F	224182	‡RING—.132 to .134	—	25	660883	RING, Roller Bearing Locating—Rear	1
9G	224183	‡RING—.135 to .137	—	26	216050	DISC, Clutch Inner	9
10	663609	RING, Roller Bearing Locating—Front	1	27	215521	**DRUM ASSY, Clutch (Inc. 18, 19)	1
11	730245	BEARING, Quill Shaft Roller—Front	1	28	222173	DISC, Clutch Outer	9
12	223990	RING, Tapered Brg. Locating—Outer	1	29	222172	PLATE, Clutch Disc End	1
13	731360	CUP, Quill Shaft Tapered Bearing	1	30	223989	RING, End Plate Retaining	1
13A	731361	CONE, Quill Shaft Tapered Bearing	1	31	222366	SPACER, Clutch Disc Hub	1
14	224177	RING, Tapered Brg. Locating—Inner	1	32	215523	HUB ASSY, Clutch Disc	1
15	731360	CUP, Quill Shaft Tapered Bearing	1	33	224176	RING, Disc Hub Retaining	1
15A	731361	CONE, Quill Shaft Tapered Bearing	1	34	224508	SHAFT, Second & Fourth Drive	1
16	6E-07	LKWSHR, Tapered Bearing Cap	6	35	221745	SPRING, Clutch Disc Release	17
17	1C-720	BOLT, Tapered Bearing Cap	6	36	222603	PIN, Clutch Disc Release Spring	17
18	214992	HOUSING, Bleed Ball	1	37	222079	RING, Drive Shaft Sealing	2
19	10J-12	BALL, Bleed	1	38	222618	RING, Drum Hub Sealing	2
20	223406	BEARING, Quill Shaft Roller—Rear	1	39	222083	CAP, Tapered Bearing	1
21	222213	RING, Piston Outer Sealing	1	40	222084	‡SHIM, Tapered Bearing Cap—.004	—
22	222618	RING, Piston Inner Sealing	1	40A	222085	‡SHIM, Tapered Bearing Cap—.007	—
				40B	222086	‡SHIM, Tapered Bearing Cap—.010	—
				41	222198	SHAFT, Quill	1
				42	215768	GEAR, Quill Shaft Drive—See Note A	1
				43	222339	GEAR, Input, First & Third Drive (33 & 58T)	1
				44	222089	GASKET, Bearing Cap	1
				45	25K-40026	"O" RING, Bearing Cap	1
				46	222077	NUT, Tapered Bearing Lock	2
				47	800987	CAP ASSY, Bearing (Inc. 1, 45)	1

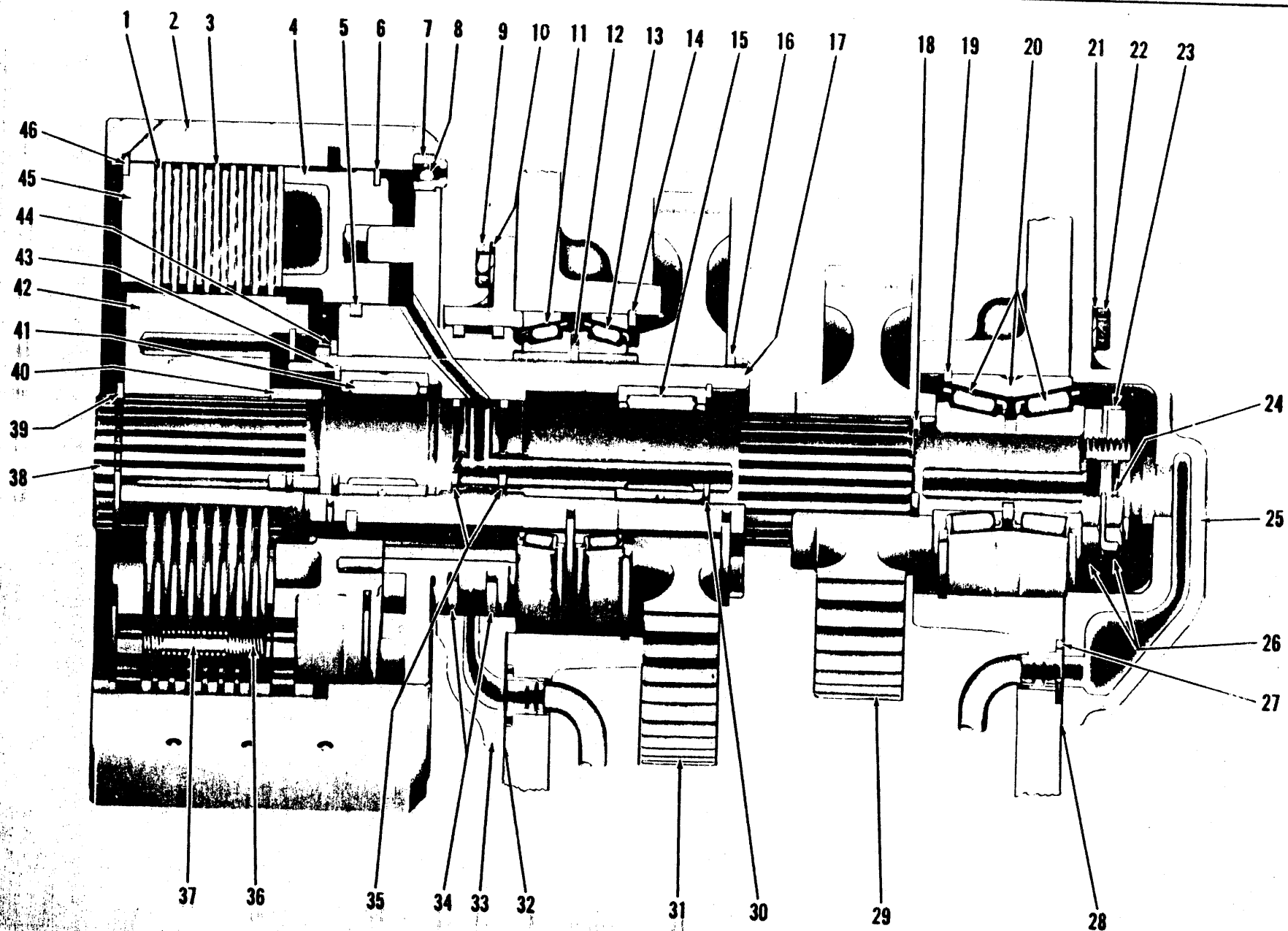
‡As Required

\*NOTE: Piston item 24A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 27 and Piston, item 24B, subsequent replacement must be with same part numbers.

\*\*NOTE: When 215521 Drum is installed on machines Serial 44123 thru 44183, item 24B 224437 Piston must be used.

NOTE A: When 215768 (item 42) is used to replace 222189 (part number stamped on gear) it is necessary to replace the following mating gears as a set: 215769 Gear, Quill Shaft Input in place of 222127; 215770 Gear, 2nd & 4th Driven in place of 222188; 215771 Gear, Quill Shaft Input in place of 222153.

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



FIRST AND THIRD DRIVE SHAFT GROUP "B"

TS-1627-P

30

(1117)

PAK 1400

**FIRST AND THIRD DRIVE SHAFT GROUP — "B"**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	222192	DISC, Clutch Inner .....	8	23	222078	LOCK, Tapered Bearing Nut .....	1
2	215517	**DRUM ASSY, Clutch (Inc. 7, 8) .....	1	24	209781	RING, Oil Line Adapter Sealing .....	1
3	222186	DISC, Clutch Outer .....	8	25	800978	CAP ASSY, Bearing (Inc. 24, 27) .....	1
4		<i>PISTON, Clutch</i>		26	222077	NUT, Tapered Bearing Lock .....	2
4A	222199	*For Serial 44123 thru 44183 .....	1	27	25K-40026	"O" RING, Bearing Cap .....	1
4B	224433	For Serial 44184 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter .....	1	28	222103	GASKET, Bearing Cap .....	1
5	222619	RING, Piston Inner Sealing .....	1	29	215770	GEAR, 2nd & 4th Driven—See Note A .....	1
6	222210	RING, Piston Outer Sealing .....	1	30	663609	RING, Roller Bearing Locating—Front .....	1
7	214992	HOUSING, Bleed Valve .....	1	31	222197	GEAR, Quill Shaft Driven (56T) .....	1
8	10J-12	BALL, Bleed Valve .....	1	32	222084	‡SHIM, Tapered Bearing Cap—.004 .....	—
9	1C-720	BOLT, Tapered Bearing Cap .....	6	32A	222085	‡SHIM, Tapered Bearing Cap—.007 .....	—
10	6E-07	LKWSHR, Tapered Bearing Cap .....	6	32B	222086	‡SHIM, Tapered Bearing Cap—.010 .....	—
11	731360	CUP, Quill Shaft Tapered Bearing .....	1	33	222083	CAP, Tapered Bearing .....	1
11A	731361	CONE, Quill Shaft Tapered Bearing .....	1	34	222618	RING, Drum Hub Sealing .....	2
12	224177	RING, Tapered Brg. Locating—Inner .....	1	35	222079	RING, Drive Shaft Sealing .....	2
13	731360	CUP, Quill Shaft Tapered Bearing .....	1	36	221745	SPRING, Clutch Disc Release .....	21
13A	731361	CONE, Quill Shaft Tapered Bearing .....	1	37	222603	PIN, Release Spring Guide .....	21
14	223990	RING, Tapered Brg. Locating—Outer .....	1	38	224508	SHAFT, 1st & 3rd Drive .....	1
15	730245	BEARING, Quill Shaft Roller — Front .....	1	39	224176	RING, Clutch Disc Hub Retaining .....	1
16		<i>RING, Driven Gear Locating (Select one at assembly)</i>		40	222366	SPACER, Clutch Disc Hub .....	1
16A	224178	‡RING—.117 to .119 .....	—	41	223406	BEARING, Quill Shaft Roller—Rear .....	1
16B	224179	‡RING—.120 to .122 .....	—	42	215519	HUB ASSY, Clutch Disc .....	1
16C	224177	‡RING—.123 to .125 .....	—	43	660883	RING, Roller Bearing Locating—Rear .....	1
16D	224180	‡RING—.126 to .128 .....	—	44		<i>RING, Clutch Drum Hub Retaining— (Select one at assembly)</i>	
16E	224181	‡RING—.129 to .131 .....	—	44A	224178	‡RING—.117 to .119 .....	—
16F	224182	‡RING—.132 to .134 .....	—	44B	224179	‡RING—.120 to .122 .....	—
16G	224183	‡RING—.135 to .137 .....	—	44C	224177	‡RING—.123 to .125 .....	—
17	222198	SHAFT, Quill .....	1	44D	224180	‡RING—.126 to .128 .....	—
18	224003	RING, Driven Gear Retaining .....	1	44E	224181	‡RING—.129 to .131 .....	—
19	223993	RING, Tapered Bearing Locating .....	1	44F	224182	‡RING—.132 to .134 .....	—
20	223315	BEARING, Drive Shaft Tapered .....	1	44G	224183	‡RING—.135 to .137 .....	—
21	4E-07	LKWSHR, Bearing Cap .....	6	44H	224184	‡RING—.138 to .140 .....	—
22	1C-720	BOLT, Bearing Cap .....	6	44J	224185	‡RING—.141 to .143 .....	—
				44K	224186	‡RING—.144 to .146 .....	—
				45	222187	PLATE, Clutch Disc End .....	1
				46	223994	RING, End Plate Retaining .....	1
				47	222186	†‡DISC, Clutch Disc Spacer .....	1

†Not Illustrated

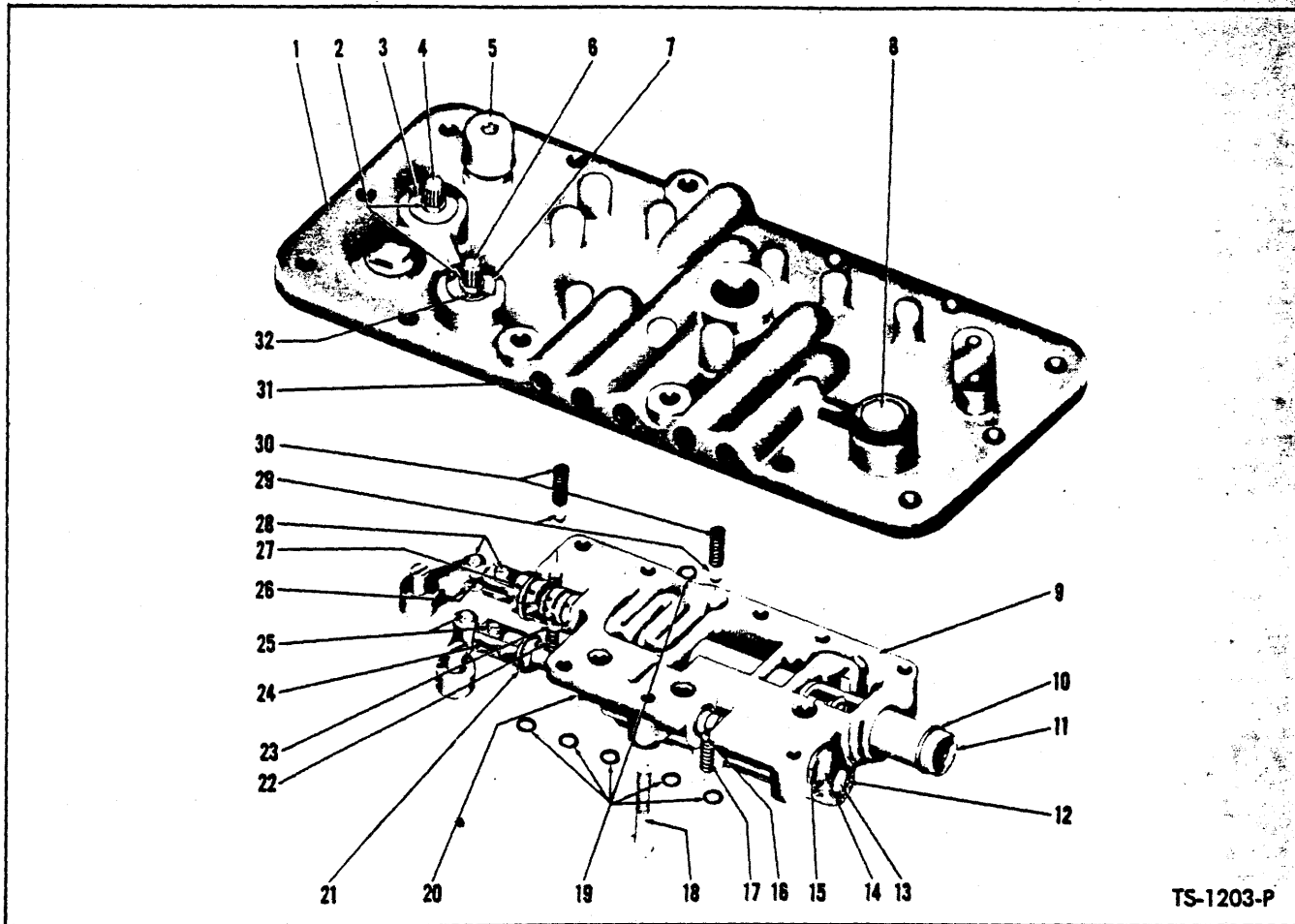
‡As Required

\*NOTE: Piston item 4A can be used only with original Clutch Drum. If Clutch Drum has been replaced with item 2 and Piston item 4B, subsequent replacement must be with same part numbers.

\*\*NOTE: When 215517 Drum is installed on machines Serial 44123 thru 44183, item 4B 224433 Piston must be used.

NOTE A: When 215770 (item 29) is used to replace 222188 (part number stamped on gear) it is necessary to replace the following mating gears as a set: 215768 Gear, Quill Shaft Drive in place of 222189; 215769 Gear, Quill Shaft Input in place of 222127; 215771 Gear, Quill Shaft Input in place of 222153.

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



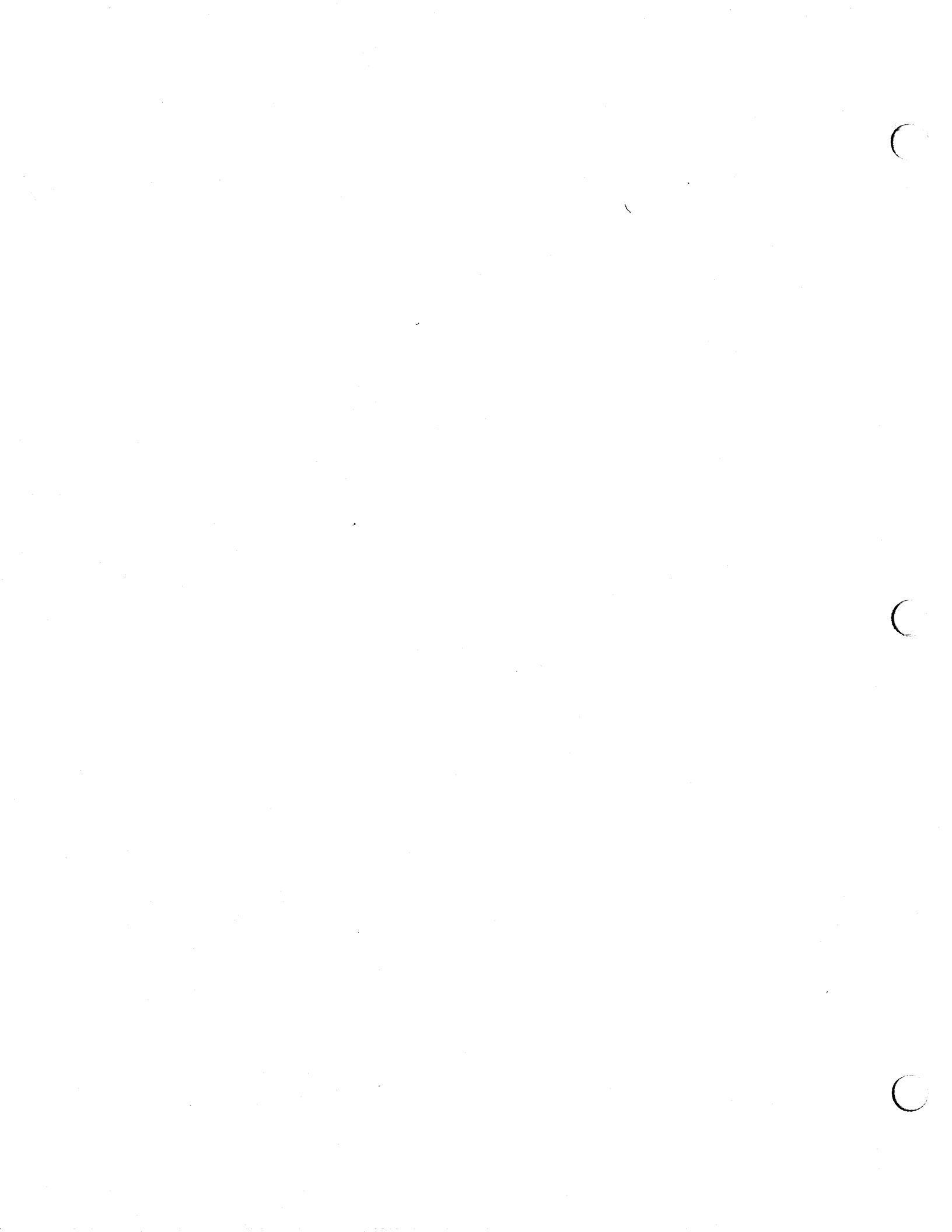
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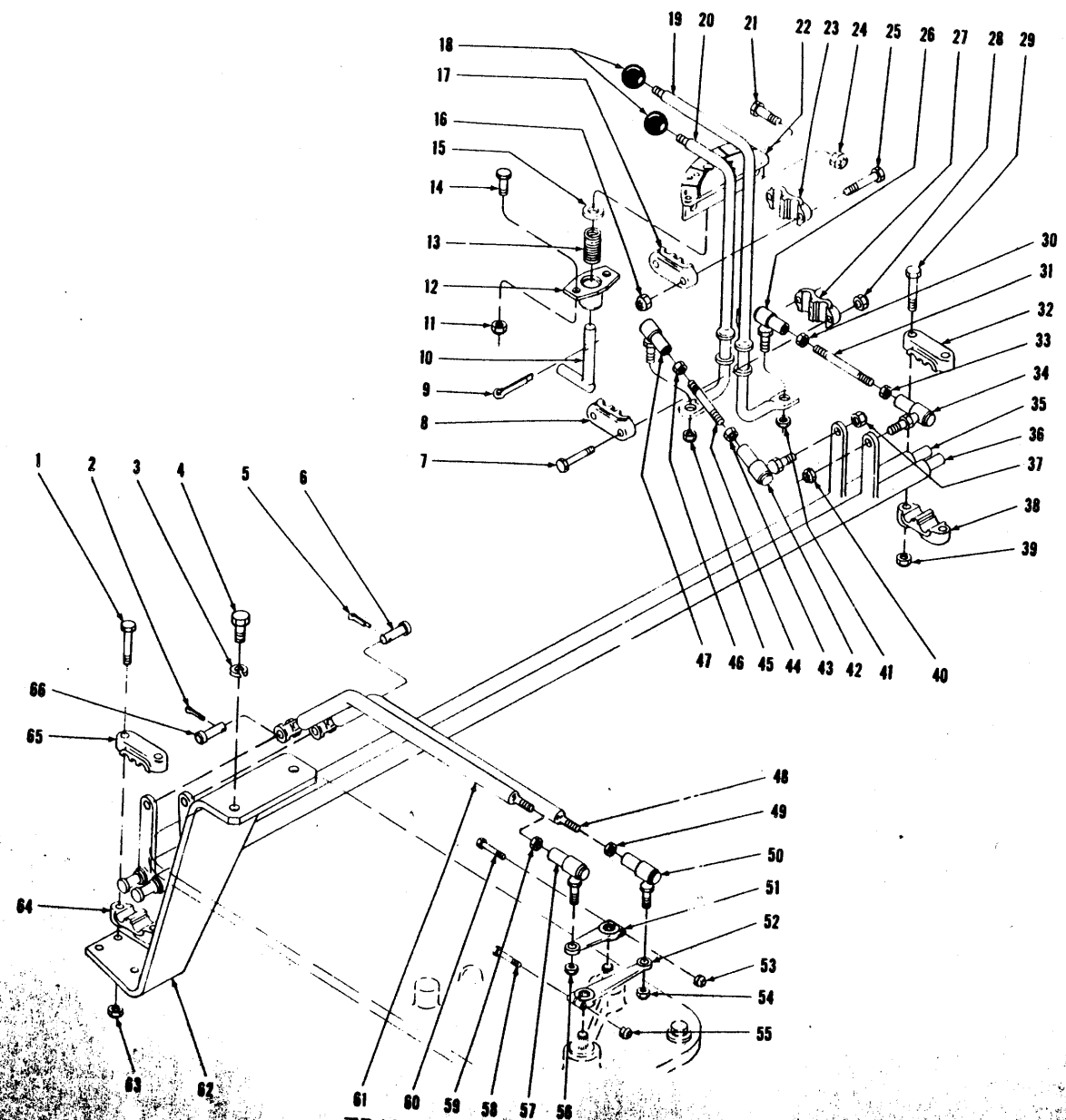
**CONTROL COVER ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	221777	COVER, Control	1	14	-----	§VALVE, Forward & Reverse Selector (See 9)	1
1A	221778	†GASKET, Control Cover	1	15	224040	RING, Selector Valve Retaining	1
1B	1C-732	†BOLT, Cover — Long	1	16	10J-12	BALL, Selector Valve Detent	1
1C	1C-724	†BOLT, Control Cover — Short	11	17	203647	SPRING, Detent Ball	1
1D	4E-07	†LKWSHR, Control Cover	14	18	1C-632	BOLT, Control Valve to Cover	9
2	224095	RING, Arm Washer Retaining	2	18A	6E-06	†LKWSHR, Control Valve to Cover	9
3	616794	WASHER, Selector Arm	1	19	25K-40026	“O” RING, Clutch Pressure	6
4	221788	ARM, 1st, 2nd, 3rd & 4th Selector	1	20	223987	RING, Shutoff Valve Retaining	1
4A	221793	†SPACER, Selector Arm	1	21	224040	RING, Selector Valve Retaining	1
5	104942	BREATHER, Control Cover	1	22	203647	SPRING, Detent Ball	1
6	221788	ARM, Forward & Reverse Selector	1	23	10J-12	BALL, Selector Valve Detent	1
6A	221793	†SPACER, Selector Arm	1	24	209382	LINK, Selector Valve	1
7	616794	WASHER, Selector Arm	1	25	220105	PIN, Clevis	2
8	221944	PLUG, Control Cover	1	25A	1F-208	†COTTER, Clevis Pin	2
8A	25K-40026	†“O” RING, Control Cover Plug	1	26	209382	LINK, Selector Valve	1
8B	224047	†RING, Control Cover Plug Retaining	1	27	224172	RING, Selector Valve Retaining	1
9	215846	HOUSING ASSY, Control Valve (Inc. 10 thru 17, 20 thru 23, 27)	1	28	220105	PIN, Clevis	2
10	224172	RING, Selector Valve Retaining	1	28A	1F-208	†COTTER, Clevis Pin	2
11	-----	§SELECTOR VALVE ASSY (See 9)	1	29	10J-12	BALL, Detent	2
12	223987	RING, Spool Retaining	1	30	203647	SPRING, Detent Ball	2
13	221943	SPOOL, Center Bore	1	31	40K-06	PLUG, Oil Passage	6
				32	208812	SEAL, Selector Arm Oil	2

†Not Illustrated  
§Not Sold Separately

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





**TRANSMISSION CONTROLS**  
For Serial: Cummins - All, GM-2TG101 thru 2TG999

TS-2498-B

34.1

(127)



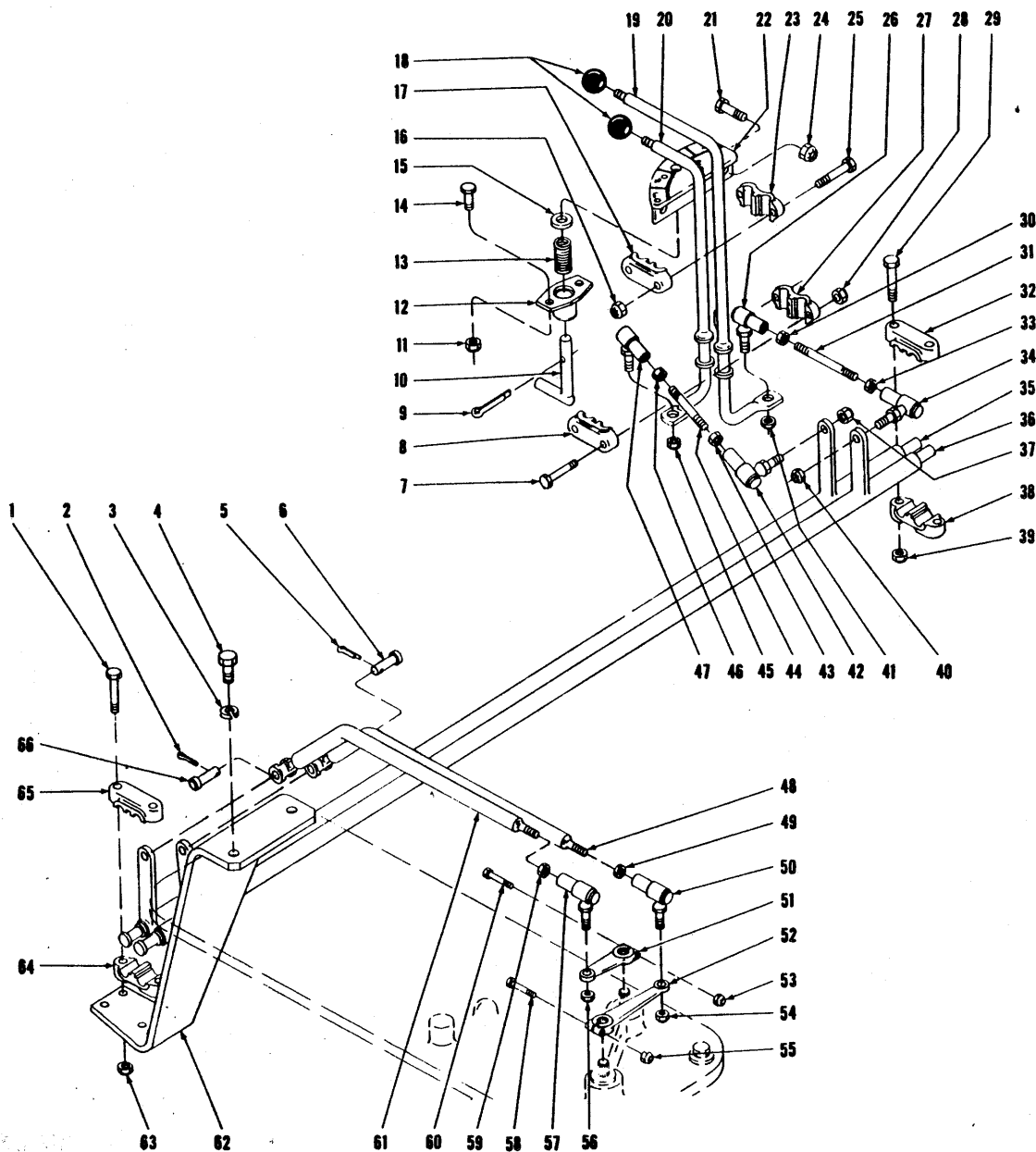
**TRANSMISSION CONTROLS**

**For Serial: Cummins - All, G.M. - 2TG101 thru 2TG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-540	BOLT, Support to Bracket	2	34	519793	BALL SOCKET	1
2	1F-312	COTTER, Clevis Pin	1	35	581984	ROD, Trans. Control—Fwd. & Rev.	1
3	4E-07	LKWSHR, Bracket to Transmission	2	36	581983	ROD, Trans. Control—Gear Shift	1
4	1C-724	BOLT, Bracket to Transmission	2	37	66D-06	NUT, Ball Socket to Rod	1
5	1F-312	COTTER, Clevis Pin	1	38	—	§SUPPORT, Control Rods (See 32)	1
6	4F-06106	PIN, Clevis	1	39	18D-05	NUT, Support Attaching	2
7	2C-536	BOLT, Support to Cockpit	2	40	66D-06	NUT, Ball Socket to Rod	1
8	1508845	SUPPORT, Shift Lever (Inc. 27)	1	41	66D-06	NUT, Ball Socket to Lever	1
9	1F-412	COTTER, Latch Handle	1	42	519793	BALL SOCKET	1
10	581576	HANDLE, Latch	1	43	8D-06	NUT, Ball Socket Jam	1
11	18D-04	NUT, Latch Attaching	2	44	592991	ROD, Lever to Control Rod — Forward & Reverse	1
12	581572	GUIDE, Latch	1	45	66D-06	NUT, Ball Socket to Lever	1
13	222545	SPRING, Latch	1	46	8D-06	NUT, Ball Socket Jam	1
14	2C-412	BOLT, Latch Attaching	2	47	519793	BALL SOCKET	1
15	619025	WASHER, Latch Spring	1	48	582022	ROD, Transmission—Gear Shift	1
16	18D-05	NUT, Support Attaching	2	49	8D-06	NUT, Ball Socket Jam	1
17	1508845	SUPPORT, Shift Levers (Inc. 23)	1	50	519793	BALL SOCKET	1
18	509772	KNOB, Shift Lever	2	51	550803	LEVER, Transmission — Fwd. & Rev.	1
19	582027	LEVER, Gear Shift	1	52	593022	LEVER, Transmission—Gear Shift	1
20	582029	LEVER, Forward & Reverse Shift	1	53	18D-04	NUT, Lever Clamp	1
21	2C-412	BOLT, Shift Quadrant to Cockpit	2	54	66D-06	NUT, Ball Socket to Lever	1
22	581570	QUADRANT, Shift Indicator	1	55	18D-04	NUT, Lever Clamp	1
23	—	§SUPPORT, Shift Levers — See 17	1	56	66D-06	NUT, Ball Socket to Lever	1
24	18D-04	NUT, Shift Quadrant to Cockpit	2	57	519793	BALL SOCKET	1
25	2C-536	BOLT, Support to Cockpit	2	58	2C-424	BOLT, Lever Clamp	1
26	519793	BALL SOCKET	1	59	8D-06	NUT, Ball Socket Jam	1
27	—	§SUPPORT, Shift Levers — See 8	1	60	2C-424	BOLT, Lever Clamp	1
28	18D-05	NUT, Support to Cockpit	2	61	582024	ROD, Transmission—Fwd. & Rev.	1
29	2C-536	BOLT, Support Attaching	2	62	593001	BRACKET, Trans. Control Rods	1
30	8D-06	NUT, Ball Socket Jam	1	63	18D-05	NUT, Support to Bracket	2
31	537109	ROD, Lever to Control Rod — Gear Shift	1	64	—	§SUPPORT, Control Rods (See 65)	1
32	1508845	SUPPORT, Control Rods (Inc. 38)	1	65	1508845	SUPPORT, Control Rods (Inc. 64)	1
33	8D-06	NUT, Ball Socket Jam	1	66	4F-06106	PIN, Clevis	1

§Not Sold Separately

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



TRANSMISSION CONTROLS - G.M.  
For Serial: 3TG101 and after

TS-2498

34A.1

(1/9)

PM 1480



TRANSMISSION CONTROLS — G.M.

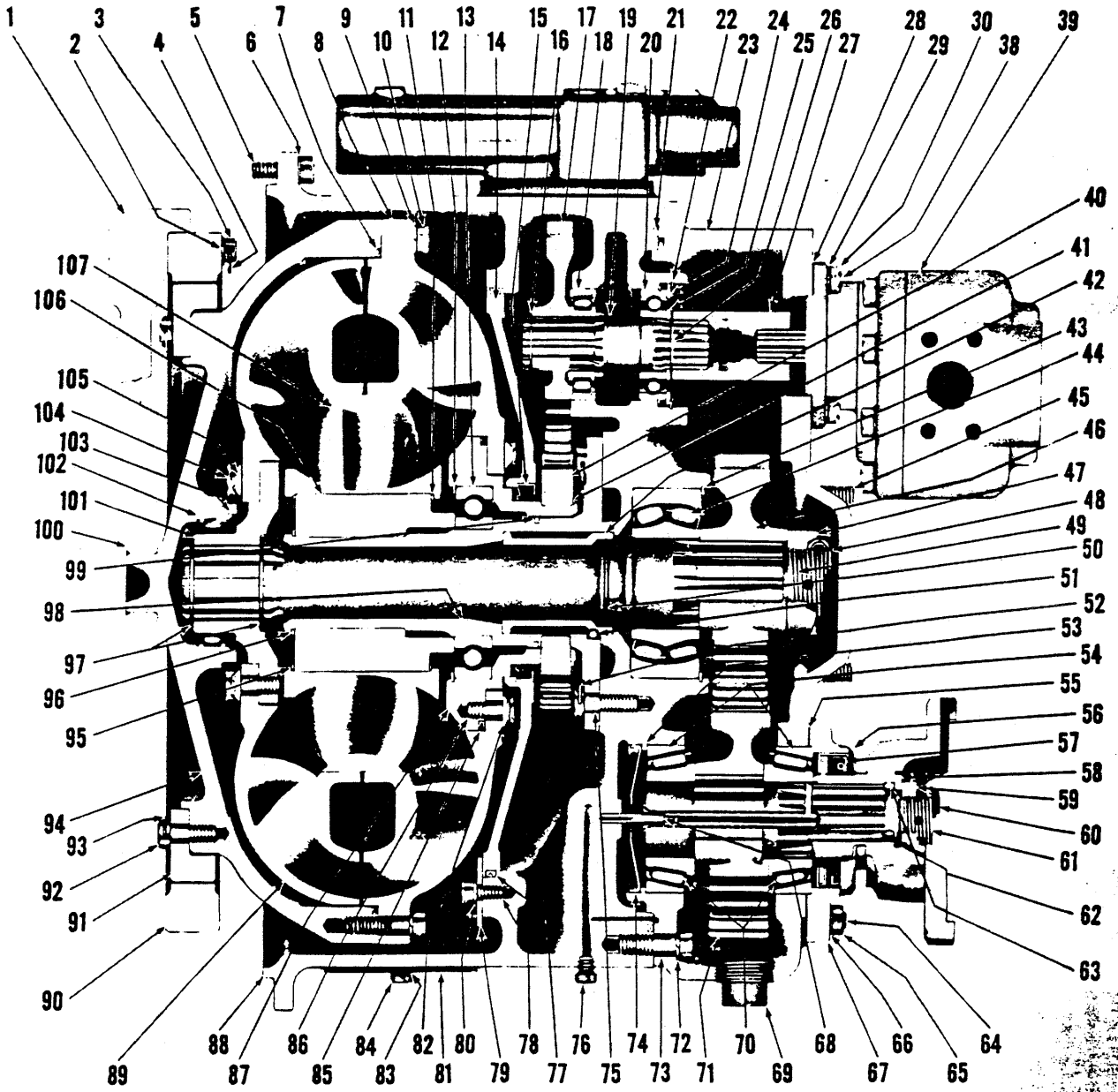
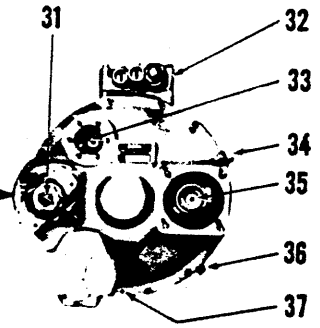
For Serial 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-540	BOLT, Support to Bracket	2	34	519793	BALL SOCKET	1
2	1F-312	COTTER, Clevis Pin	1	35	583735	ROD, Trans. Control—Fwd. & Rev.	1
3	4E-07	LKWSHR, Bracket to Transmission	2	36	583733	ROD, Trans. Control—Gear Shift	1
4	17C-724	BOLT, Bracket to Transmission	2	37	66D-06	NUT, Ball Socket to Rod	1
5	1F-312	COTTER, Clevis Pin	1	38	—	§SUPPORT, Control Rods (See 32)	1
6	4F-06106	PIN, Clevis	1	39	18D-05	NUT, Support Attaching	2
7	18C-536	BOLT, Support to Cockpit	2	40	66D-06	NUT, Ball Socket to Rod	1
8	1508845	SUPPORT, Shift Lever (Inc. 27)	1	41	66D-06	NUT, Ball Socket to Lever	1
9	1F-412	COTTER, Latch Handle	1	42	519793	BALL SOCKET	1
10	581576	HANDLE, Latch	1	43	8D-06	NUT, Ball Socket Jam	1
11	18D-04	NUT, Latch Attaching	2	44	592991	ROD, Lever to Control Rod — Forward & Reverse	1
12	581572	GUIDE, Latch	1	45	66D-06	NUT, Ball Socket to Lever	1
13	222545	SPRING, Latch	1	46	8D-06	NUT, Ball Socket Jam	1
14	18C-412	BOLT, Latch Attaching	2	47	519793	BALL SOCKET	1
15	619025	WASHER, Latch Spring	1	48	582022	ROD, Transmission—Gear Shift	1
16	18D-05	NUT, Support Attaching	2	49	8D-06	NUT, Ball Socket Jam	1
17	1508845	SUPPORT, Shift Levers (Inc. 23)	1	50	519793	BALL SOCKET	1
18	509772	KNOB, Shift Lever	2	51	550803	LEVER, Transmission — Fwd. & Rev.	1
19	582027	LEVER, Gear Shift	1	52	593022	LEVER, Transmission—Gear Shift	1
20	582029	LEVER, Forward & Reverse Shift	1	53	18D-04	NUT, Lever Clamp	1
21	18C-412	BOLT, Shift Quadrant to Cockpit	2	54	66D-06	NUT, Ball Socket to Lever	1
22	581570	QUADRANT, Shift Indicator	1	55	18D-04	NUT, Lever Clamp	1
23	—	§SUPPORT, Shift Levers — See 17	1	56	66D-06	NUT, Ball Socket to Lever	1
24	18D-04	NUT, Shift Quadrant to Cockpit	2	57	519793	BALL SOCKET	1
25	18C-536	BOLT, Support to Cockpit	2	58	18C-424	BOLT, Lever Clamp	1
26	519793	BALL SOCKET	1	59	8D-06	NUT, Ball Socket Jam	1
27	—	§SUPPORT, Shift Levers — See 8	1	60	18C-424	BOLT, Lever Clamp	1
28	18D-05	NUT, Support to Cockpit	2	61	582024	ROD, Transmission—Fwd. & Rev.	1
29	18C-536	BOLT, Support Attaching	2	62	593001	BRACKET, Trans. Control Rods	1
30	8D-06	NUT, Ball Socket Jam	1	63	18D-05	NUT, Support to Bracket	2
31	742222	ROD, Lever to Control Rod — Gear Shift	1	64	—	§SUPPORT, Control Rods (See 65)	1
32	1508845	SUPPORT, Control Rods (Incl. 38)	1	65	1508845	SUPPORT; Control Rods (Inc. 64)	1
33	8D-06	NUT, Ball Socket Jam	1	66	4F-06106	PIN, Clevis	1

§Not Sold Separately

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

REAR VIEW OF CONVERTER



**TORQUE CONVERTER ASSEMBLY**

For Serial: Cummins—44123 thru 44299, 1TC100 thru 2TC18. G.M.—2TG101 thru 2TG999 TS-2213-P

**TORQUE CONVERTER ASSEMBLY**

**For Serial: Cummins - 44123 thru 44299, ITC100 thru 2TC18**

Item No.	Part No.	Description	No. Req'd.
A	280962	**CONVERTER ASSY (Inc. 7 thru 107)....	1
1	-----	FLYWHEEL—See Engine Parts Manual	—
2	619021	WASHER, Drive Gear to Flywheel	12
3	224797	BOLT, Drive Gear to Flywheel	12
4	-----	LOCKWIRE	—
5	1C-720	BOLT, Converter to Flywheel Housing	12
6	4E-07	LKWSHR, Converter to Flywheel Hsg.	12
7	209575	"O" RING, Impeller to Drive Disc	1
8	-----	IMPELLER, Converter	—
8A	222265	For Serial 44123 thru 44206	1
8B	222271	For Serial 44207 thru 44299, ITC100, ITC101, ITC102, 2TC1 & thereafter	1
9	4E-06	LKWSHR, Impeller to Drive Disc	30
10	1C-622	BOLT, Impeller to Drive Disc	30
11	223965	RING, Reaction Member Hub Locating	1
12	223988	RING, Impeller Hub Bearing Locating	1
13	223368	BEARING, Impeller Hub	1
14	222023	***BAFFLE, Oil	1
15	214941	SEAL, Oil Baffle Oil	1
16	224036	RING, Driven Gear Retaining	3
17	222037	GEAR, Pump Shaft Driven	3
18	223407	BEARING, Pump Shaft — Front	3
19	222036	SHAFT, Pump Drive	3
20	731742	BEARING, Pump Shaft—Rear	3
21	218779	"O" RING, Cover to Housing	1
22	-----	RING, Outer Washer Retaining (Select one at assembly)	—
22A	223959	‡RING—.057 to .059	—
22B	223960	‡RING—.060 to .062	—
22C	223961	‡RING—.063 to .065	—
22D	223962	‡RING—.066 to .068	—
22E	223963	‡RING—.069 to .071	—
22F	223964	‡RING—.072 to .074	—
23	222001	COVER, Converter	1
24	222038	WASHER, Rear Bearing—Outer	3
25	100838	WASHER, Rear Bearing—Inner	3
26	224039	RING, Inner Washer Retaining	3

Item No.	Part No.	Description	No. Req'd.
27	221992	SLEEVE, Converter Pump Drive	1
28	551906	GASKET, Converter Pump to Conv.	1
29	4E-06	LKWSHR, Converter Pump Attaching	6
30	8D-06	NUT, Converter Pump Attaching	6
31	-----	OUTPUT SHAFT — See 61	—
32	-----	PRESSURE REGULATOR VALVE — See Index	—
33	-----	STEERING PUMP GROUP (See Items 16 thru 20, 22, 24, 25, 26)	—
34	13F-20	PLUG, Housing Drain	1
35	-----	MAIN PUMP GROUP (See Items 16 thru 20, 22, 24, 25, 26)	—
36	13F-20	PLUG, Housing Drain	1
37	214295	PIN, Housing to Cover Dowel	1
38	207647	STUD, Converter Pump Mounting	1
39	-----	CONVERTER CHARGING PUMP— See Index	—
40	222035	GEAR, Pump Drive	1
41	224009	RING, Drive Gear Retaining	1
42	218725	*SLEEVE, Oil Distributor	1
43	-----	RING, Turbine Shaft Bearing Retaining (Select one at assembly)	—
43A	223997	‡RING—.095 to 0.97	—
43B	223998	‡RING—.098 to .100	—
43C	223999	‡RING—.101 to .103	—
43D	224000	‡RING—.104 to .106	—
44	223334	BEARING, Turbine Shaft	1
45	216555	STUD, Main Pump Mounting	4
46	222025	GEAR, Turbine Shaft Drive	1
47	669897	NUT, Turbine Shaft	1
47A	224120	†SNAPRING, Turbine Shaft	1
48	-----	COTTER, Turbine Shaft Nut	—
48A	1F-436	For shafts with 5/32" hole	1
48B	1F-836	For shafts with 9/32" hole	1
49	223567	*SHAFT, Turbine	1
50	-----	*RING, Turbine Shaft Sealing	—
50A	211616	Used with 222024 Turbine Shaft	1
50B	223570	Used with 223567 Turbine Shaft	1

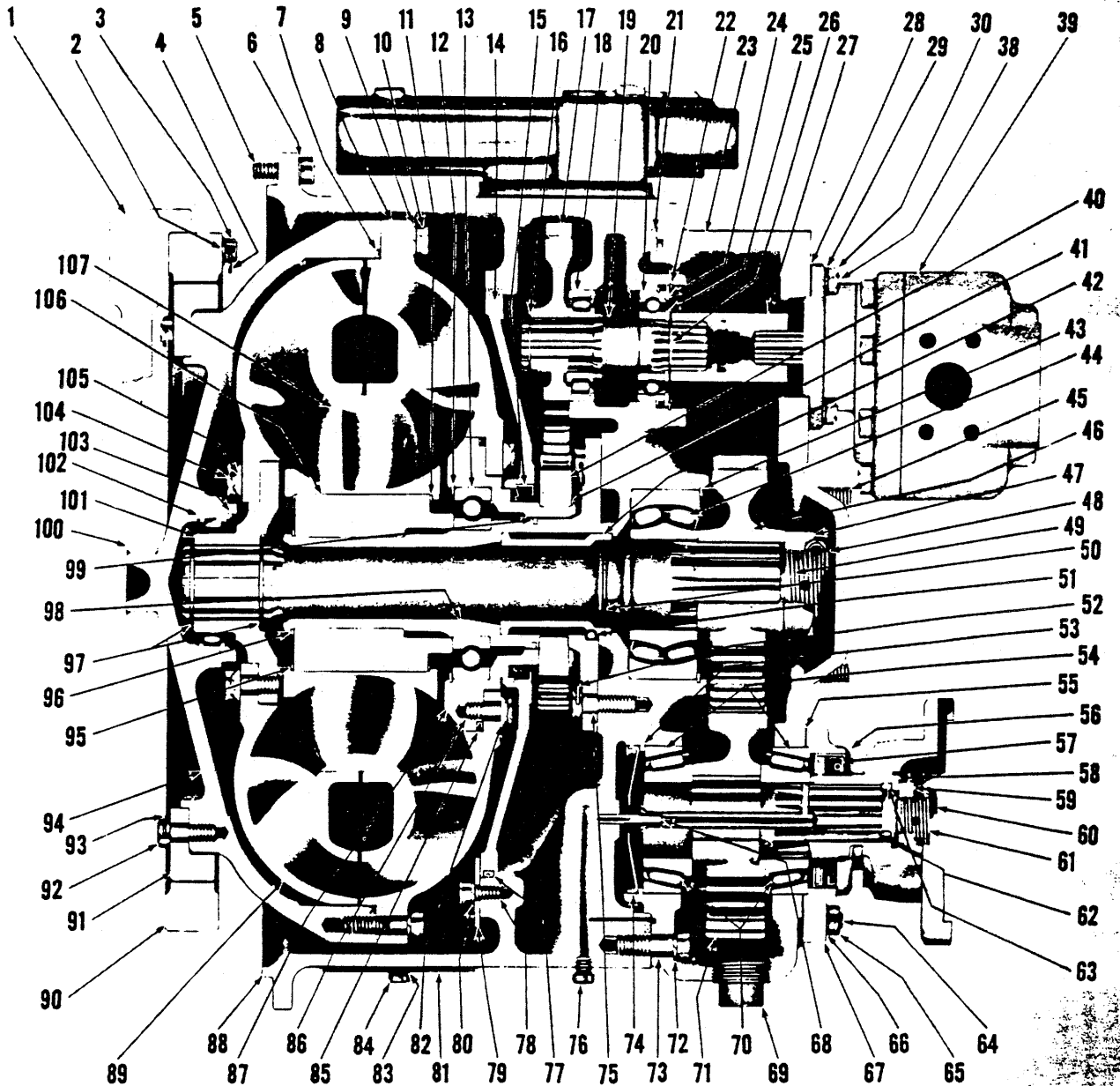
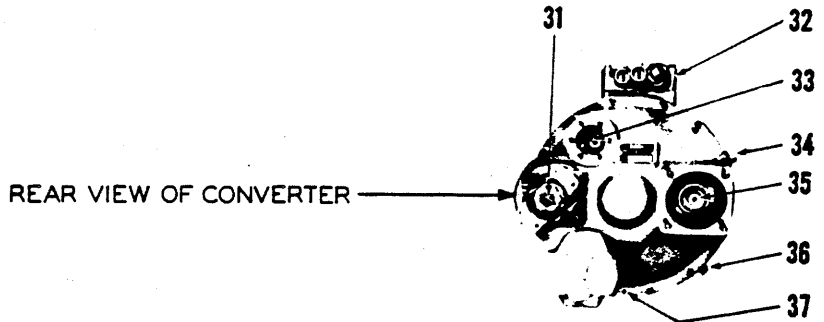
‡As Required

\*NOTE: When replacing 224024 or 223567 Turbine Shaft (Item 49) or 222022 Oil Distributor Sleeve (Item 42) it will be necessary to use 801258 Shaft Kit consisting of items 42, 49 & 50B. 224024 & 223567 Turbine Shafts can be identified by part number stamped thereon.

\*\*NOTE: For complete replacement of 280962 Converter Assembly use 281534 Converter Assembly.

\*\*\*NOTE: For replacement of 222023 Baffle use 218721 Baffle plus 1-214941 Baffle Oil Seal.

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



**TORQUE CONVERTER ASSEMBLY**

For Serial: Cummins—44123 thru 44299, 1TC100 thru 2TC18. G.M. —2TG101 thru 2TG999 TS-2213-P

**CONSTRUCTION MACHINERY DIVISION  
TORQUE CONVERTER ASSEMBLY (Continued)**  
For Serial: Cummins - 44123 thru 44299, ITC100 thru 2TC18  
G.M. - 2TG101 thru 2TG999

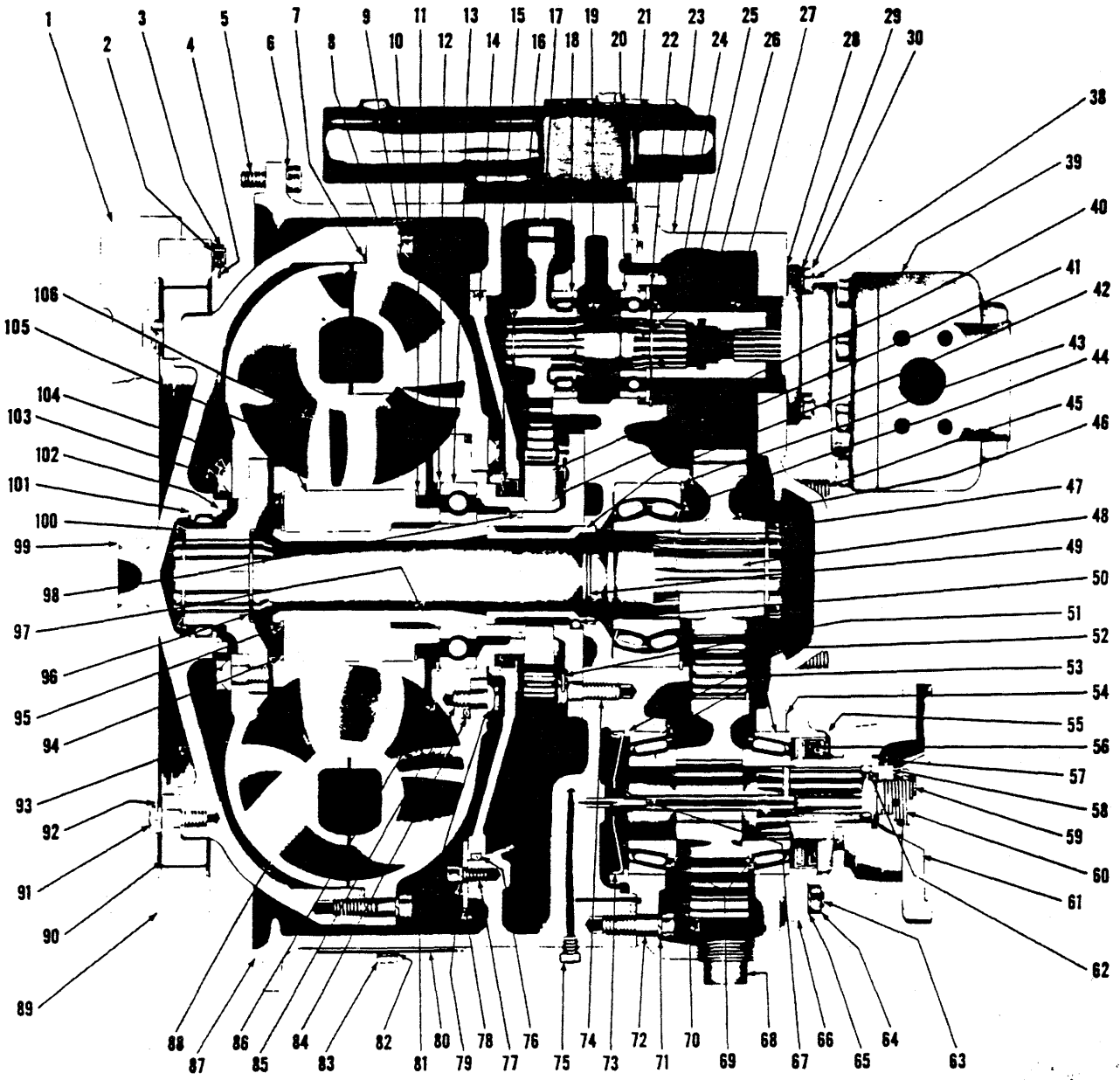
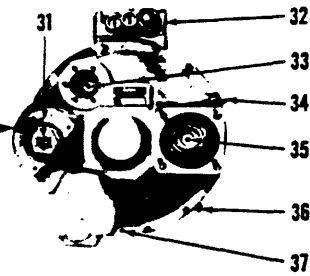
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
51	10J-08	BALL, Oil Distributor Lock .....	1	85	60K-40700 "O" RING, Impeller to Hub .....	1	
52	-----	LOCKWIRE .....	—	86	222221 BOLT, Impeller to Hub .....	8	
53	223900	RING, Front Bearing Retaining ..	1	87	HUB, Impeller		
54	675543	CUP, Output Shaft Bearing .....	2	87A	222266 For Serial 44123 thru 44206.....	1	
55	209589	‡SHIM, Output Shaft Brg. Cap—.004" ..	—	87B	222269 For Serial 44207 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	
55A	209590	‡SHIM, Output Shaft Brg. Cap—.007" ..	—	88	216094 HOUSING, Converter .....	1	
55B	209591	‡SHIM, Output Shaft Brg. Cap—.010" ..	—	89	TURBINE, Converter		
56	100949	DEFLECTOR, Output Flange .....	1	89A	222263 For Serial 44123 thru 44206.....	1	
57	209587	SEAL, Output Shaft Oil .....	1	89B	222268 For Serial 44207 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	
58	222179	WASHER, Output Shaft .....	1	90	226595 GEAR, Converter Drive .....	1	
59	205928	NUT, Output Shaft .....	1	91	222003 GEAR, Converter Driven .....	1	
60	1F-436	COTTER, Output Shaft Nut .....	1	92	3C-818 BOLT, Driven Gear to Drive Disc .....	12	
61	222026	SHAFT, Output .....	1	93	----- LOCKWIRE .....	—	
62	222028	FLANGE ASSY, Output (Inc. 56) .....	1	94	222261 DRIVE DISC ASSY (Inc. 100) .....	1	
63	25K-60116	"O" RING, Output Shaft .....	1	95	223965 RING, Reaction Member Hub Locating	1	
64	206770	STUD, Output Shaft Bearing Cap ....	4	96	711161 RING, Reaction Member Hub Retaining .....	1	
65	2D-08	NUT, Output Shaft Bearing Cap.....	4	97	224061 RING, Turbine Hub Retaining .....	2	
66	4E-08	LKWSHR, Output Shaft Bearing Cap..	4	98	218723 **SUPPORT, Converter (Inc. 42, 51).....	1	
67	209588	CAP, Output Shaft Bearing .....	1	99	209673 RING, Converter Support Sealing .....	1	
68	222031	TUBE, Output Shaft Oil .....	1	100	222006 SLEEVE, Drive Disc .....	1	
69	13F-20	PLUG, Housing Drain .....	1	101	222007 HUB, Turbine .....	1	
70	731283	CONE, Output Shaft Bearing .....	2	102	223387 BEARING, Drive Disc .....	1	
71	222033	GEAR, Output Shaft Driven .....	1	103	223859 RING, Drive Disc Bearing Retaining....	1	
72	4E-07	LKWSHR, Cover to Housing .....	12	104	222223 BOLT, Turbine to Hub .....	8	
73	1C-722	BOLT, Cover to Housing .....	12	105	222008 PLATE, Turbine to Hub Bolt Lock .....	4	
74	222027	BAFFLE, Front Bearing Oil .....	1	106	222626 HUB, Reaction Member .....	1	
75	3C-820	BOLT, Support to Housing .....	8	107	REACTION MEMBER ASSY. (Inc. 11, 95, 106)		
76	40K-02	PLUG, Lube Line .....	1	107A	801007 For Serial 44123 thru 44206.....	1	
77	218777	"O" RING, Oil Baffle .....	1	107B	801036 For Serial 44207 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	
78	1C-612	BOLT, Oil Baffle Retaining .....	3				
79	616786	WASHER, Oil Baffle Retaining .....	3				
80	6E-06	LKWSHR, Oil Baffle Retaining .....	3				
81	201623	PLATE, Converter Housing Inspection ..	3				
82	222019	PLATE, Impeller to Hub Bolt Lock .....	4				
83	4E-04	LKWSHR, Inspection Plate .....	6				
84	1C-408	BOLT, Inspection Plate .....	6				

‡As Required

\*NOTE: When 218723 Support is installed in place of 222235, 1—223570 Ring and 1—801236 Shaft must be used. 222235 and 223569 Support can be identified by part number stamped thereon.

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

REAR VIEW OF CONVERTER



**TORQUE CONVERTER ASSEMBLY - G.M.**  
For Serial 2TG101 thru 2TG999

TS-3094



**TORQUE CONVERTER ASSEMBLY — G.M.  
For Serial 2TG101 thru 2TG999**

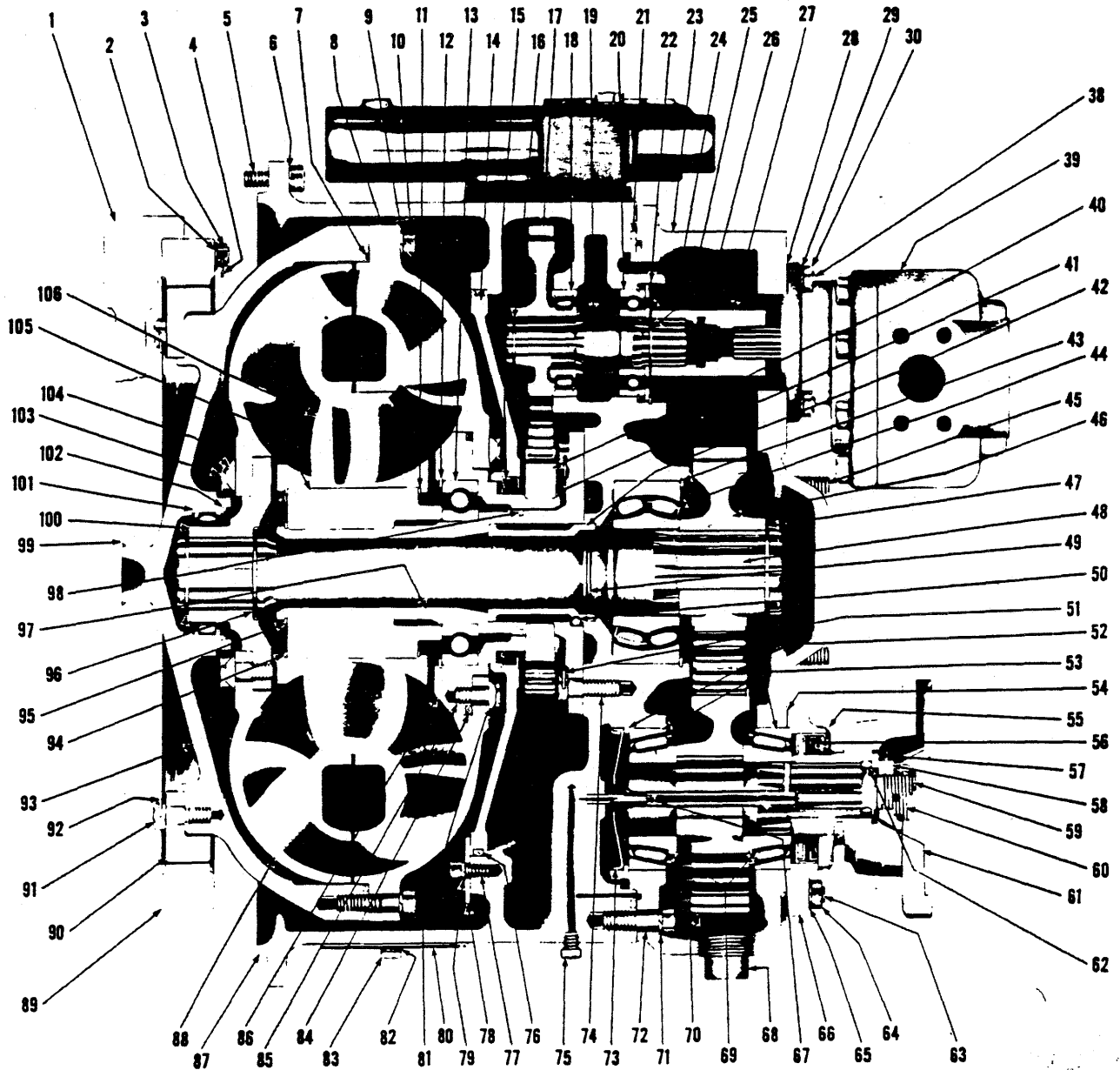
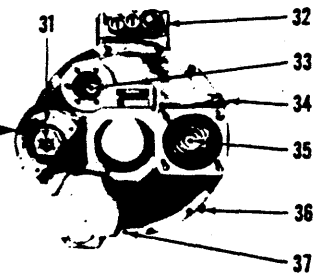
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281535	CONVERTER ASSY (Inc. 7 thru 106).....	1	25	100838	WASHER, Rear Bearing — Inner.....	3
1	—	FLYWHEEL — See Engine Parts Manual	—	26	224039	RING, Inner Washer Retaining.....	3
2	619021	WASHER, Drive Gear to Flywheel.....	12	27	221992	SLEEVE, Converter Pump Drive.....	1
3	224797	BOLT, Drive Gear to Flywheel.....	12	28	551906	GASKET, Converter Pump.....	1
4	28H-18200	LOCKWIRE .....	6	29	4E-06	LKWSHR, Converter Pump Attaching..	6
5	17C-720	BOLT, Converter to Flywheel Housing..	12	30	8D-06	NUT, Converter Pump Attaching.....	6
6	4E-07	LKWSHR, Converter to Flywheel Housing .....	12	31	—	OUTPUT SHAFT — See 60 .....	—
7	209575	"O" RING, Impeller to Drive Disc.....	1	32	—	PRESSURE REGULATOR VALVE — See Index .....	—
8	222265	IMPELLER, Converter .....	1	33	—	STEERING PUMP GROUP (See Items 16 thru 20, 22, 24, 25, 26).....	—
9	4E-06	LKWSHR, Impeller to Drive Disc.....	30	34	13F-20	PLUG, Housing Drain.....	1
10	1C-622	BOLT, Impeller to Drive Disc .....	30	35	—	MAIN PUMP GROUP (See Items 16 thru 20, 22, 24, 25, 26).....	—
11	223965	RING, Reaction Member Hub Locating	1	36	13F-20	PLUG, Housing Drain.....	1
12	223988	RING, Impeller Hub Bearing Locating	1	37	214295	PIN, Housing to Cover Dowel.....	1
13	223368	BEARING, Impeller Hub.....	1	38	207647	STUD, Steering and Converter Pump..	12
14	222023	*BAFFLE, Oil .....	1	39	—	CONVERTER CHARGING PUMP — See Index .....	—
15	214941	SEAL, Oil Baffle Oil.....	1	40	222035	GEAR, Pump Drive.....	1
16	224036	RING, Driven Gear Retaining.....	3	41	224009	RING, Drive Gear Retaining.....	1
17	222037	GEAR, Pump Shaft Driven.....	3	42	218725	SLEEVE, Oil Distributor .....	1
18	225385	BEARING, Pump Shaft — Front .....	3	43	—	RING, Turbine Shaft Bearing Retaining (Select one at assembly)	—
19	216095	SHAFT, Pump Drive.....	3	43A	223997	‡RING — .095 to .097.....	—
20	731742	BEARING, Pump Shaft — Rear .....	3	43B	223998	‡RING — .098 to .100.....	—
21	218779	"O" RING, Cover to Housing.....	1	43C	223999	‡RING — .101 to .103.....	—
22	—	RING, Outer Washer Retaining (Select one at assembly)	—	43D	224000	‡RING — .104 to .106.....	—
22A	223959	‡RING — .057 to .059.....	—	44	223334	BEARING, Turbine Shaft.....	1
22B	223960	‡RING — .060 to .062.....	—	45	216555	STUD, Main Pump Mounting.....	4
22C	223961	‡RING — .063 to .065.....	—	46	222025	GEAR, Turbine Shaft Drive.....	1
22D	223962	‡RING — .066 to .068.....	—	47	224120	RING, Drive Gear Retaining.....	1
22E	223963	‡RING — .069 to .071.....	—				
22F	223964	‡RING — .072 to .074.....	—				
23	222001	COVER, Converter .....	1				
24	222038	WASHER, Rear Bearing — Outer.....	3				

‡As Required

\*NOTE: For replacement of 222023 Baffle use 218721 plus 1—214721 plus 1—214941 Baffle Oil Seal.

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

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY - G.M.  
For Serial 2TG101 thru 2TG999

TS-3094

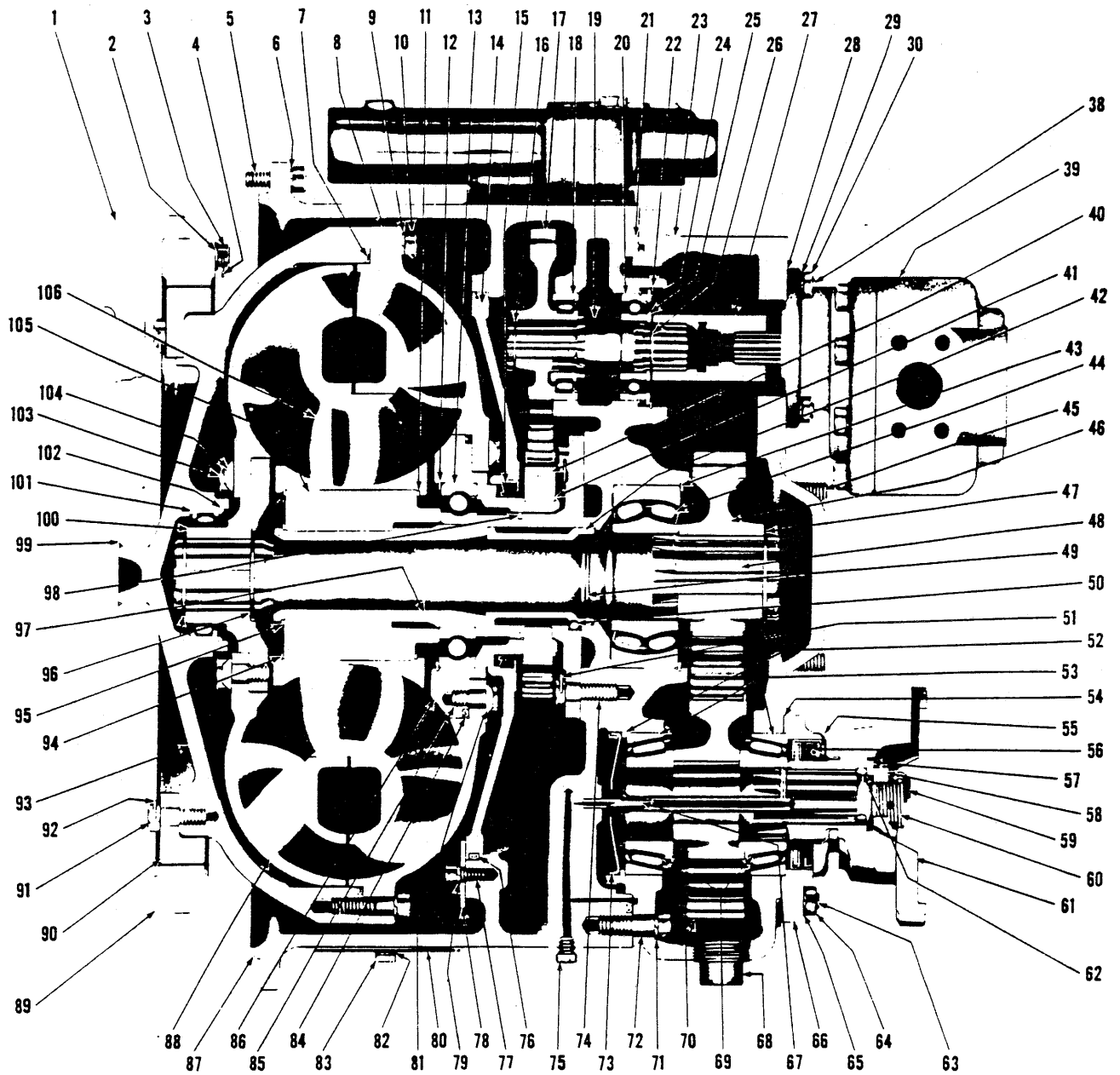
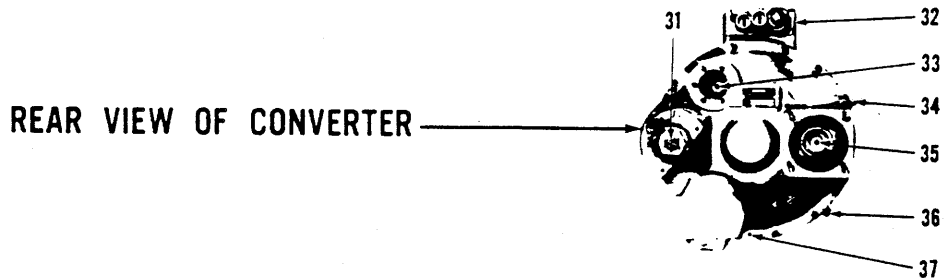
**CONSTRUCTION MACHINERY DIVISION  
TORQUE CONVERTER ASSEMBLY - G.M. (Continued)**

For Serial: 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
48	801236	SHAFT, Turbine (Inc. 47).....	1	77	1C-612	BOLT, Oil Baffle Retaining.....	3
49	223570	RING, Turbine Shaft Sealing.....	1	78	616786	WASHER, Oil Baffle Retaining.....	3
50	10J-08	BALL, Oil Distributor Lock.....	1	79	6E-06	LKWSHR, Oil Baffle Retaining.....	3
51	—	LOCKWIRE .....	—	80	201623	PLATE, Converter Housing Inspection.....	3
52	223900	RING, Front Bearing Retaining.....	1	81	222019	PLATE, Impeller to Hub Bolt Lock.....	4
53	675543	CUP, Output Shaft Bearing.....	2	82	4E-04	LKWSHR, Inspection Plate.....	6
54	209589	‡SHIM, Bearing Cap — .004.....	—	83	1C-408	BOLT, Inspection Plate.....	6
54A	209590	‡SHIM, Bearing Cap — .007.....	—	84	60K-40700	"O" RING, Impeller to Hub.....	1
54B	209591	‡SHIM, Bearing Cap — .010.....	—	85	222221	BOLT, Impeller to Hub.....	8
55	100949	DEFLECTOR, Output Flange.....	1	86	222266	HUB, Impeller .....	1
56	209587	SEAL, Output Shaft Oil.....	1	87	216094	HOUSING, Converter .....	1
57	222179	WASHER, Output Shaft.....	1	88	222263	TURBINE, Converter .....	1
58	205928	NUT, Output Shaft.....	1	89	226595	GEAR, Converter Drive.....	1
59	1F-436	COTTER, Output Shaft Nut.....	1	90	222003	GEAR, Converter Driven.....	1
60	222026	SHAFT, Output .....	1	91	3C-818	BOLT, Driven Gear to Drive Disc.....	12
61	222028	FLANGE ASSY, Output (Inc. 55).....	1	92	—	LOCKWIRE .....	—
62	25K-60116	"O" RING, Output Shaft.....	1	93	222261	DRIVE DISC ASSY (Inc. 99).....	1
63	206770	STUD, Output Shaft Bearing Cap.....	4	94	223965	RING, Reaction Member Hub Locating.....	1
64	2D-08	NUT, Output Shaft Bearing Cap.....	4	95	711161	RING, Reaction Member Hub Retaining .....	1
65	4E-08	LKWSHR, Output Shaft Bearing Cap.....	4	96	224061	RING, Turbine Hub Retaining.....	2
66	209588	CAP, Output Shaft Bearing.....	1	97	218723	SUPPORT, Converter (Inc. 42, 50) .....	1
67	222031	TUBE, Output Shaft Oil.....	1	98	209673	RING, Converter Support Sealing.....	1
68	13F-20	PLUG, Housing Drain.....	1	99	222006	SLEEVE, Drive Disc.....	1
69	731283	CONE, Output Shaft Bearing .....	2	100	222007	HUB, Turbine .....	1
70	222033	GEAR, Output Shaft Driven.....	1	101	223387	BEARING, Drive Disc.....	1
71	4E-07	LKWSHR, Cover to Housing.....	12	102	223859	RING, Drive Disc Bearing Retaining.....	1
72	1C-722	BOLT, Cover to Housing.....	12	103	222223	BOLT, Turbine to Hub.....	8
73	222027	BAFFLE, Rear Bearing Oil.....	1	104	222008	PLATE, Turbine to Hub Bolt Lock.....	4
74	3C-820	BOLT, Support to Housing.....	8	105	222626	HUB, Reaction Member.....	1
75	40K-02	PLUG, Lube Line.....	1	106	801007	REACTION MEMBER ASSY (Inc. 11, 94, 105) .....	1
76	218777	"O" RING, Oil Baffle.....	1				

‡As Required

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



**TORQUE CONVERTER ASSEMBLY**  
For Serial: Cummins - 2TC19 and after. G.M. - 3TG and after

**TS-3094-P**



CONSTRUCTION MACHINERY DIVISION



TORQUE CONVERTER ASSEMBLY

For Serial: Cummins - 2TC19 and after
G.M. - 3TG101 and after

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include parts like CONVERTER ASSY, FLYWHEEL, WASHER, BOLT, LOCKWIRE, etc.

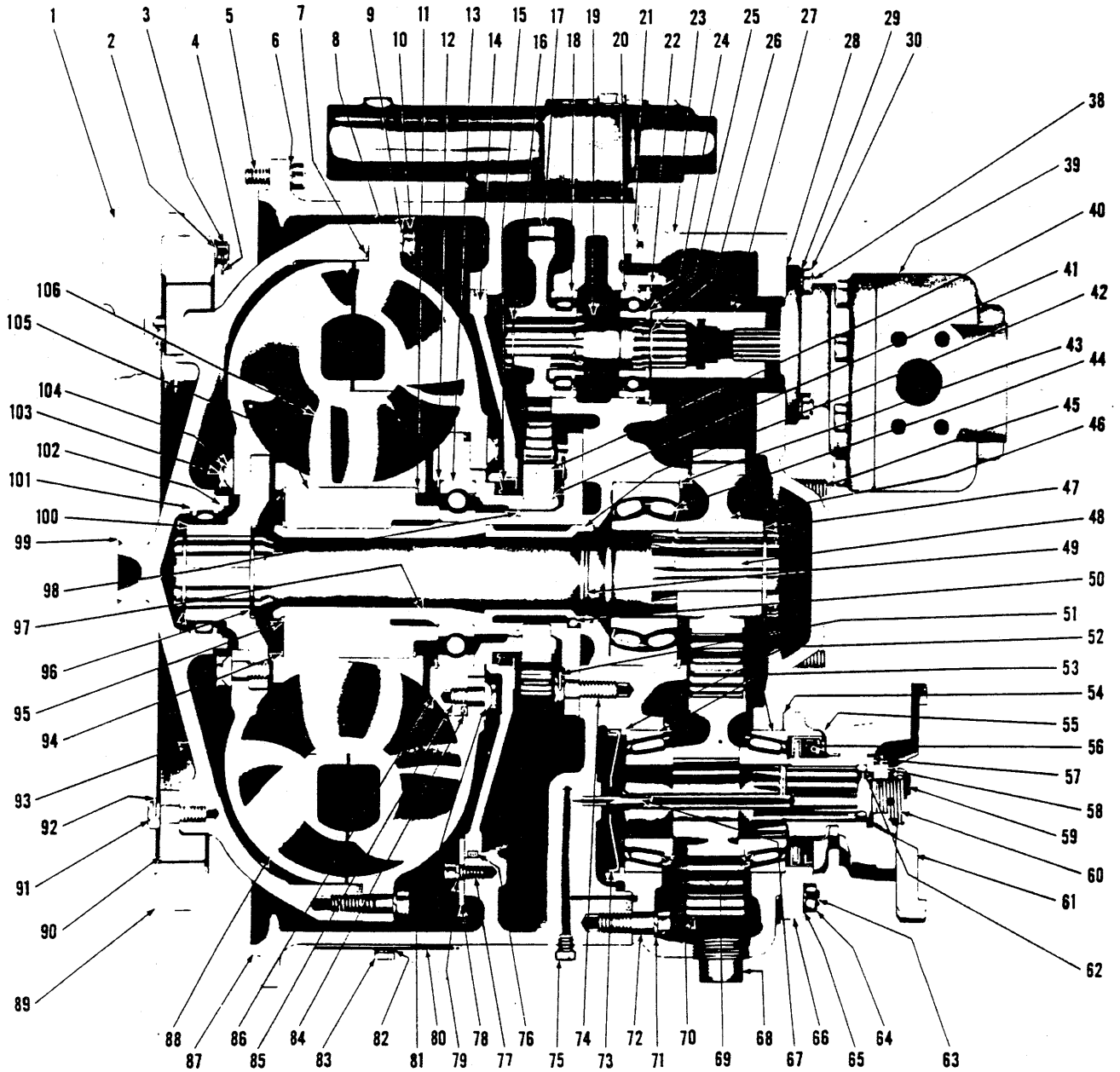
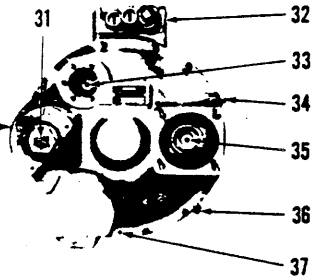
Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include parts like WASHER, RING, SLEEVE, GASKET, LKWSHR, NUT, OUTPUT SHAFT, etc.

‡As Required

\*NOTE: For replacement of 222023 Baffle use 218721 Baffle plus 1-214941 Baffle Oil Seal.

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

**REAR VIEW OF CONVERTER**



**TORQUE CONVERTER ASSEMBLY**

For Serial: Cummins - 2TC19 and after. G.M. - 3TG and after

**TS-3094-P**

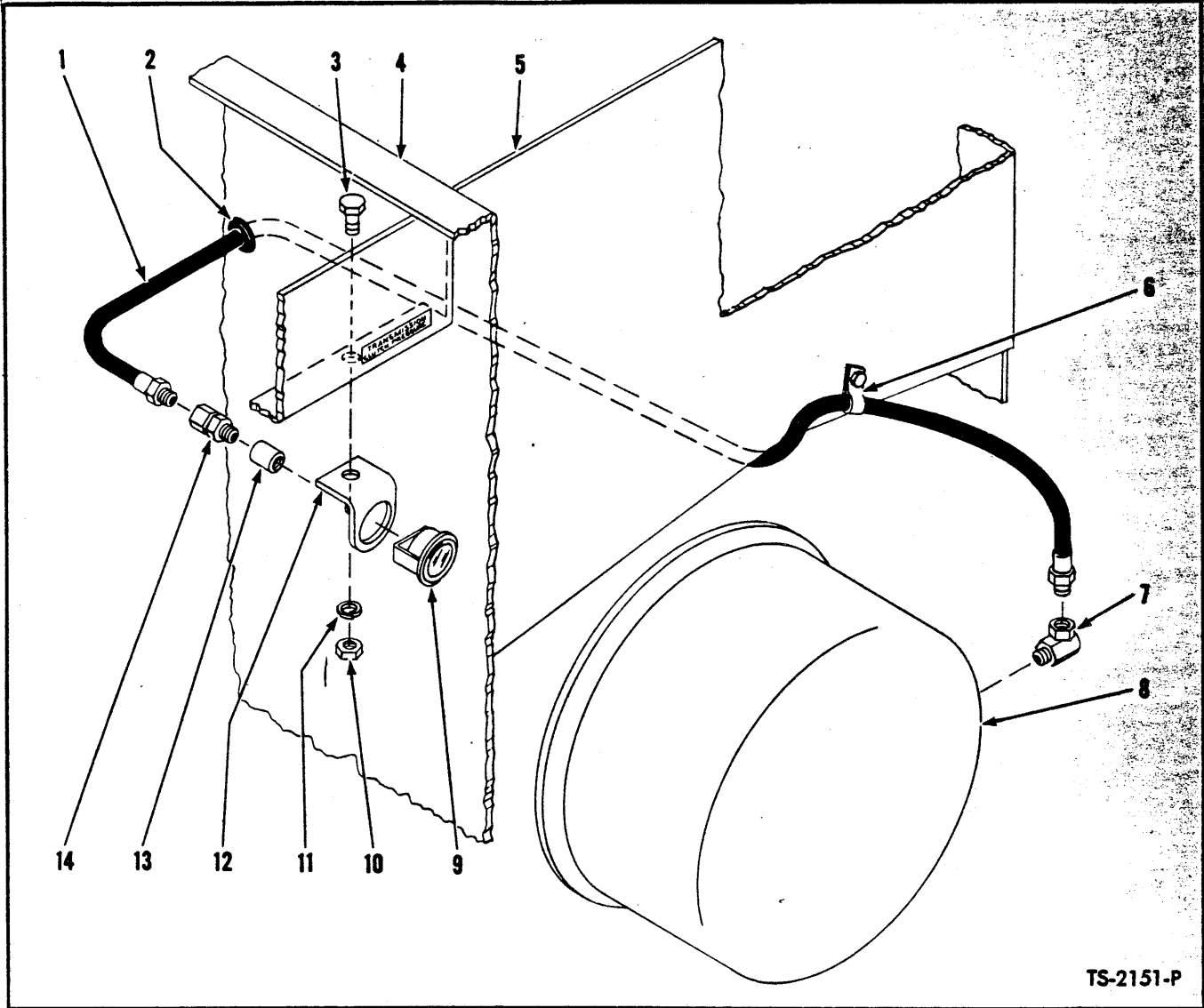
**TORQUE CONVERTER ASSEMBLY (Continued)**

For Serial: Cummins - 2TC19 and after  
G.M. - 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
48	801236	SHAFT, Turbine (Inc. 47)	1	77	1C-612	BOLT, Oil Baffle Retaining	3
49	223570	RING, Turbine Shaft Sealing	1	78	616786	WASHER, Oil Baffle Retaining	3
50	10J-08	BALL, Oil Distributor Lock	1	79	6E-06	LKWSHR, Oil Baffle Retaining	3
51	28H-18	‡LOCKWIRE	—	80	201623	PLATE, Converter Housing Inspection	3
52	223900	RING, Front Bearing Retaining	1	81	222019	PLATE, Impeller to Hub Bolt Lock	4
53	675543	CUP, Output Shaft Bearing	2	82	4E-04	LKWSHR, Inspection Plate	6
54	209589	‡SHIM, Bearing Cap — .004	—	83	1C-408	BOLT, Inspection Plate	6
54A	209590	‡SHIM, Bearing Cap — .007	—	84	60K-40700	"O" RING, Impeller to Hub	1
54B	209591	‡SHIM, Bearing Cap — .010	—	85	222221	BOLT, Impeller to Hub	8
55	100949	DEFLECTOR, Output Flange	1	86	222269	HUB, Impeller	1
56	209587	SEAL, Output Shaft Oil	1	87	216094	HOUSING, Converter	1
57	222179	WASHER, Output Shaft	1	88	222268	TURBINE, Converter	1
58	205928	NUT, Output Shaft	1	89	226595	GEAR, Converter Drive	1
59	1F-436	COTTER, Output Shaft Nut	1	90	222003	GEAR, Converter Driven	1
60	222026	SHAFT, Output	1	91	3C-818	BOLT, Driven Gear to Drive Disc	12
61	222028	FLANGE ASSY, Output (Inc. 55)	1	92	28H-18	‡LOCKWIRE	—
62	25K-60116	"O" RING, Output Shaft	1	93	222261	DRIVE DISC ASSY (Inc. 99)	1
63	206770	STUD, Output Shaft Bearing Cap	4	94	223965	RING, Reaction Member Hub Locating	1
64	2D-08	NUT, Output Shaft Bearing Cap	4	95	711161	RING, Reaction Member Hub Retaining	1
65	4E-08	LKWSHR, Output Shaft Bearing Cap	4	96	224061	RING, Turbine Hub Retaining	2
66	209588	CAP, Output Shaft Bearing	1	97	218723	SUPPORT, Converter (Inc. 42, 50)	1
67	222031	TUBE, Output Shaft Oil	1	98	209673	RING, Converter Support Sealing	1
68	13F-20	PLUG, Housing Drain	1	99	222006	SLEEVE, Drive Disc	1
69	731283	CONE, Output Shaft Bearing	2	100	222007	HUB, Turbine	1
70	222033	GEAR, Output Shaft Driven	1	101	223387	BEARING, Drive Disc	1
71	4E-07	LKWSHR, Cover to Housing	12	102	223859	RING, Drive Disc Bearing Retaining	1
72	1C-722	BOLT, Cover to Housing	12	103	222223	BOLT, Turbine to Hub	8
73	222027	BAFFLE, Rear Bearing Oil	1	104	222008	PLATE, Turbine to Hub Bolt Lock	4
74	3C-820	BOLT, Support to Housing	8	105	222626	HUB, Reaction Member	1
75	40K-02	PLUG, Lube Line	1	106	801036	REACTION MEMBER ASSY (Inc. 11, 94, 105)	1
76	218779	"O" RING, Oil Baffle	1				

‡As Required

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



TS-2151-P

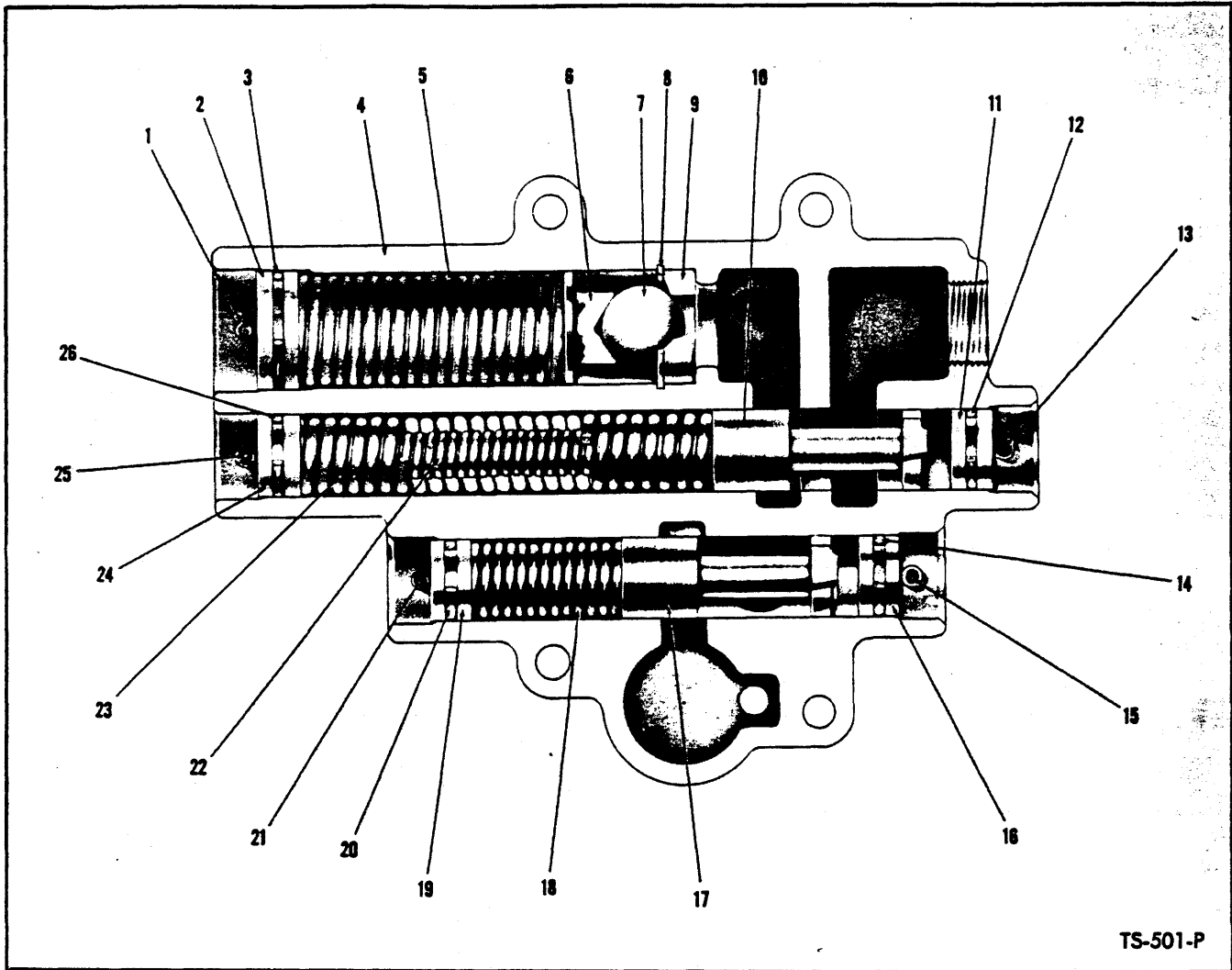
**TRANSMISSION CLUTCH PRESSURE GAUGE INSTALLATION**

Item No.	Part No.	Description	No. Req'd.
1	581090	HOSE, Converter to Gauge	1
2	511426	GROMMET, Cockpit	1
3	2C-416	BOLT, Bracket to Panel	1
4		COCKPIT — See Index	—
5		FIREWALL — See Index	—
6	30H-29	CLIP, Hose to Firewall	1
6A	2C-412	†BOLT, Clip to Firewall	1
6B	2D-04	†NUT, Clip to Firewall	1
6C	4E-04	†LKWSHR, Clip to Firewall	1
7	31F-1	ADAPTER UNION	1
8		TORQUE CONVERTER — See Index	—
9	542642	GAUGE, Transmission Clutch Pressure	1
10	2D-04	NUT, Bracket to Panel	1
11	4E-04	LKWSHR, Bracket to Panel	1
12	581091	BRACKET, Clutch Pressure Gauge	1
13	75F-1	COUPLING, Gauge	1
14	36F-1	ADAPTER UNION	1

†Not Illustrated

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



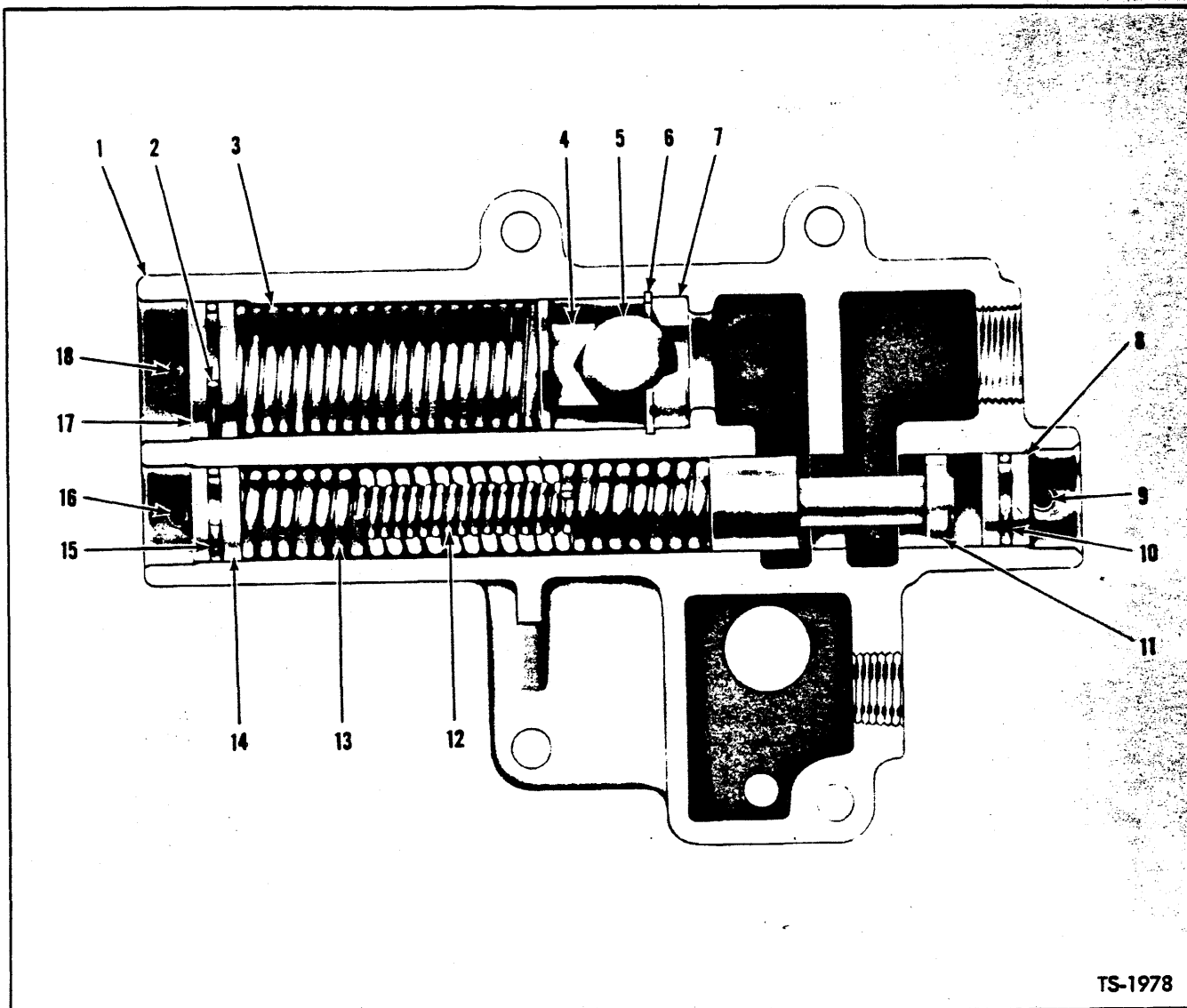


**SAFETY AND PRESSURE REGULATING VALVE ASSEMBLY**  
For Serial: Cummins - 44123 thru 44299, ITC100 thru 2TC18

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	800981	VALVE ASSY (Inc. 1 thru 30)	1	15	633157	PIN, Piston Stop Retaining	1
B	800980	BODY ASSY, Valve (Inc. 4, 8, 9, 10, 17)	1	16	222041	STOP, Piston	1
1	654722	PIN, Spring Stop Retaining	1	17		§PISTON, Valve—Converter Pressure (See B)	1
2	222047	STOP, Spring	1	18	222042	SPRING, Valve Piston	1
3	25K-40106	"O" RING, Spring Stop	1	19	222041	STOP, Spring	1
4		§BODY, Valve (See B)	1	20	25K-40024	"O" RING, Spring Stop	1
5	215910	SPRING, Relief Valve	1	21	633157	PIN, Spring Stop Retaining	1
6	222045	ADAPTER, Relief Valve Spring	1	22	222044	SPRING, Valve—Inner	1
7	10J-32	BALL, Relief	1	23	222043	SPRING, Valve—Outer	1
8		§RING, Relief Ball Seat Retaining (See B)	1	24	222041	STOP, Spring	1
9		§SEAT, Relief Ball (See B)	1	25	633157	PIN, Spring Stop Retaining	1
10		§PISTON, Valve—Clutch Pressure (See B)	1	26	25K-40024	"O" RING, Spring Stop	1
11	222041	STOP, Piston	1	27	40K-02	†PLUG, Pressure Tap	3
12	25K-40024	"O" RING, Piston Stop	1	28	25K-40112	†"O" RING, Valve to Converter	2
13	633157	PIN, Piston Stop Retaining	1	29	25K-30014	†"O" RING, Valve to Converter	1
14	25K-40024	"O" RING, Piston Stop	1	30	222034	†GASKET, Valve to Converter	1
				31	1C-748	†BOLT, Valve to Converter	4
				32	4E-07	†LKWSHR, Valve to Converter	4

†Not Illustrated  
§Not Sold Separately

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



TS-1978

**SAFETY AND PRESSURE REGULATING VALVE ASSEMBLY**

For Serial: Cummins - 2TC19 and after

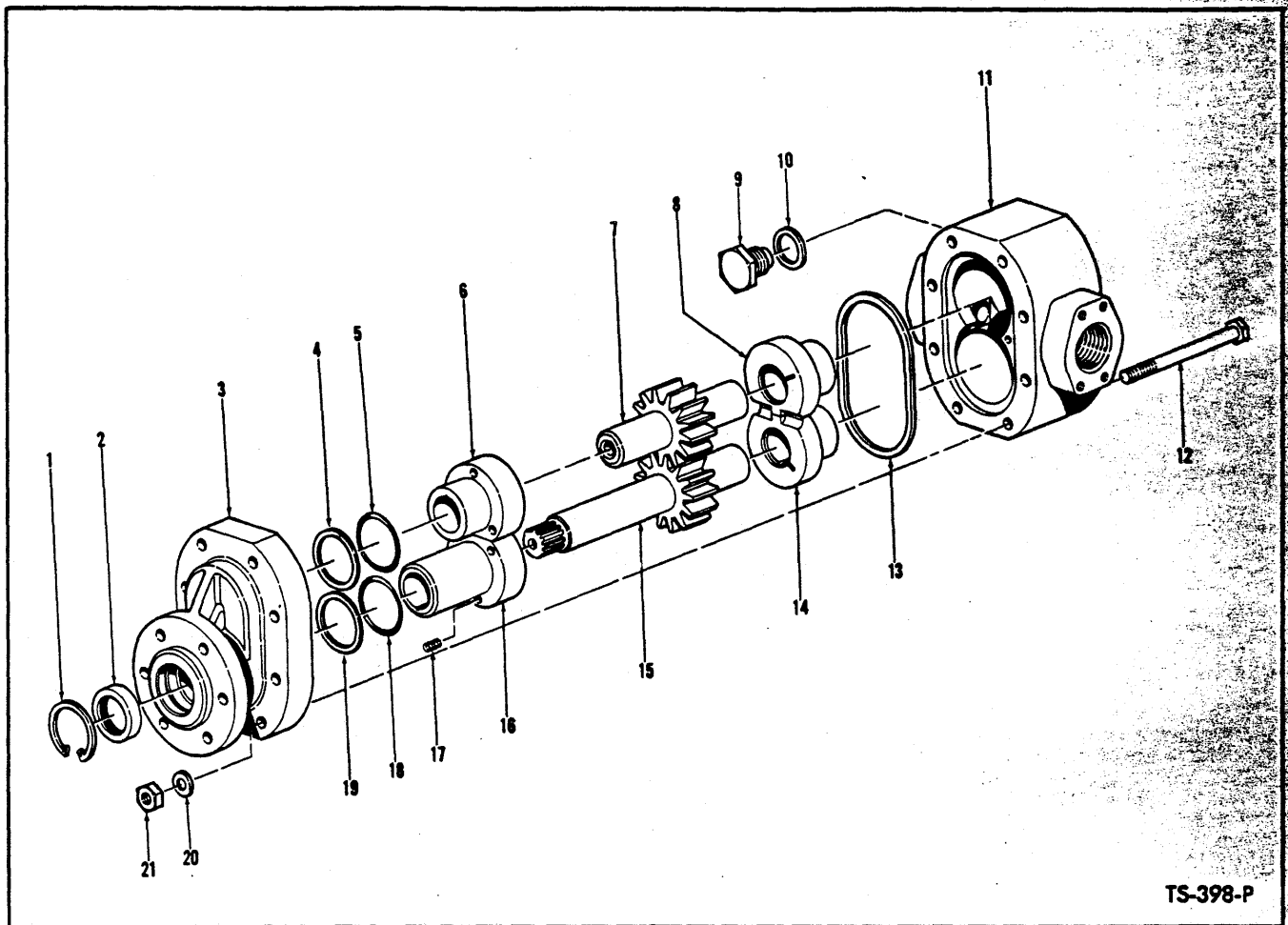
G.M. - 3TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	215911	VALVE ASSY (Inc. 1 thru 19)	1	12	222044	SPRING, Clutch Pressure Valve—Inner	1
B	801167	BODY ASSY (Inc. 1, 6, 7, 11)	1	13	222043	SPRING, Clutch Pressure Valve — Outer	1
1		§BODY, Valve (See B)	1	14	222041	STOP, Spring	1
2	25K-40106	"O" RING, Spring Stop	1	15	25K-40024	"O" RING, Spring Stop	1
3	215910	SPRING, Converter Pressure Relief Valve	1	16	633157	PIN, Spring Stop Retaining	1
4	222045	ADAPTER, Relief Valve Spring	1	17	222047	STOP, Spring	1
5	10J-32	BALL, Relief Valve	1	18	654722	PIN, Spring Stop Retaining	1
6		§RING, Relief Valve Ball Seat Retaining (See B)	1	19	40K-02	†PLUG, Pressure Port	3
7		§SEAT, Relief Valve Ball (See B)	1	20	1C-748	†BOLT, Valve to Converter	4
8	222041	STOP, Piston	1	21	4E-07	†LKWSHR, Valve to Converter	4
9	633157	PIN, Piston Stop Retaining	1	22	25K-40112	†"O" RING, Valve to Converter	2
10	25K-40024	"O" RING, Piston Stop	1	23	25K-30014	†"O" RING, Valve to Converter	1
11		§PISTON, Valve — Clutch Pressure (See B)	1	24	222034	†GASKET, Valve to Converter	1

†Not Illustrated

§Not Sold Separately

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



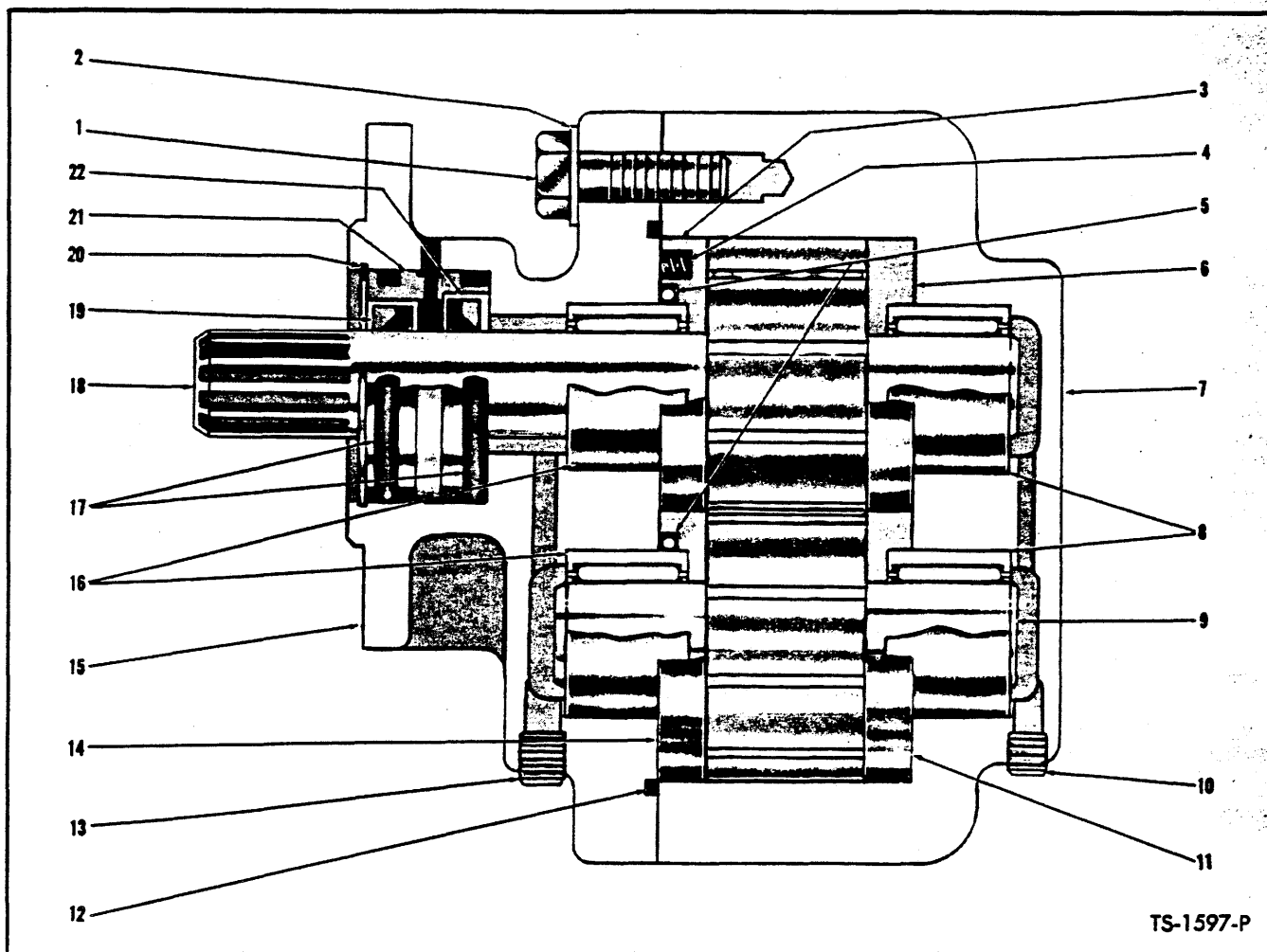
TS-398-P

**HYDRAULIC PUMP — CONVERTER CHARGING — CUMMINS**  
For Serial 44123 thru 44206

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	515379	*PUMP ASSY (Inc. 1 thru 21)	1	10	—	§GASKET, Seal Relief	1
B	943307	REPAIR KIT, Major (Inc. 1, 2, 4, 5, 6, 8, 10, 12, 13, 14, 16 thru 21)	1	11	943027	BODY	1
C	943306	REPAIR KIT, Minor (Inc. 1, 2, 4, 5, 10, 13, 18, 19)	1	12	—	§BOLT, Cover to Body	8
D	943310	GEAR SET, Drive & Driven (Inc. 7, 15)	1	13	—	§SEAL RING, Cover	1
1	—	§RING, Seal Retaining	1	14	—	§BEARING, Body — Drive	1
2	—	§SEAL, Shaft	1	15	—	§GEAR, Drive	1
3	941556	COVER	1	16	—	§BEARING, Cover — Drive	1
4	—	§WASHER, Back-up	1	17	—	§SPRING, Bearing	6
5	—	§RING, Bearing Seal	1	18	—	§RING, Bearing Seal	1
6	—	§BEARING, Cover — Driven	1	19	—	§WASHER, Back-up	1
7	—	§GEAR, Driven	1	20	—	§WASHER, Cover to Body	8
8	—	§BEARING, Body — Driven	1	21	—	§NUT, Cover to Body	8
9	—	§RETAINER, Seal Relief	1	22	551906	†GASKET, Pump to Converter	1
				23	8D-06	†NUT, Pump to Converter	6
				24	4E-06	†LKWSHR, Pump to Converter	6

\*NOTE: When complete Pump is replaced use 450003 Pump.  
‡Not Illustrated  
§Not Sold Separately — Order Kits.

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



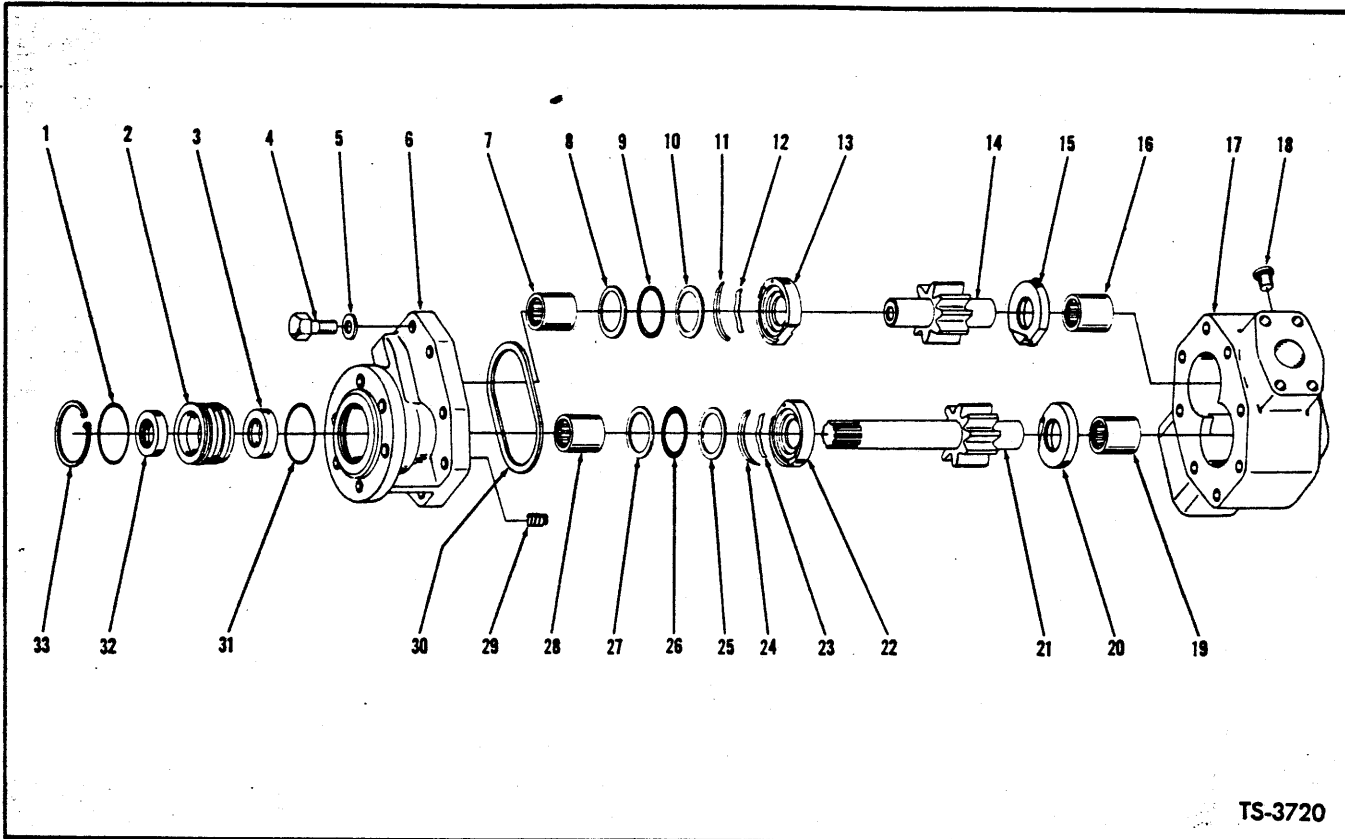
TS-1597-P

**HYDRAULIC PUMP – CONVERTER CHARGING – CUMMINS**  
**For Serial: 44207 thru 44299, ITC100, ITC101, ITC102, 2TC1 thru 2TC18**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450003	PUMP ASSY (Inc. 1 thru 22)	1	10	—	§PLUG, Body	1
B	498016	REPAIR KIT, Major (Inc. C, 3, 6, 8, 11, 14, 16, 20)	1	11	—	§THRUST PLATE, Lower Body	1
C	498015	REPAIR KIT, Minor (Inc. 1, 2, 4, 5, 12, 17, 19, 21, 22)	1	12	—	§GASKET, Cover	1
D	498019	GEAR SET, Drive & Driven (Inc. 9, 18)	1	13	—	§PLUG, Cover	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 17, 19 thru 22)	1	14	—	§THRUST PLATE, Lower Cover	1
1	—	§BOLT, Cover to Body	8	15	498018	COVER KIT (Inc. 13, 16)	1
2	—	§WASHER, Cover to Body	8	16	—	§BEARING, Cover	2
3	—	§THRUST PLATE, Upper Cover	1	17	—	§"O" RING, Seal Retainer	2
4	—	§SPRING, Cover Thrust Plate	6	18	—	§GEAR, Drive	1
5	—	§"O" RING, Cover Thrust Plate	2	19	—	§SEAL, Outer Oil	1
6	—	§THRUST PLATE, Upper Body	1	20	—	§RING, Seal Retainer	1
7	498017	BODY KIT (Inc. 8, 10)	1	21	—	§RETAINER, Oil Seal	1
8	—	§BEARING, Body	2	22	—	§SEAL, Inner Oil	1
9	—	§GEAR, Driven	1	23	221992	†SLEEVE, Pump Drive	1
				24	551906	†GASKET, Pump to Converter	1
				25	8D-06	†NUT, Pump to Converter	6
				26	4E-06	†LKWSHR, Pump to Converter	6

†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 - 2TC19 and after  
G.M. - 2TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450133	PUMP ASSY (Inc. 1 thru 33)	1	15		§THRUST PLATE, Body	1
B	498160	REPAIR KIT, Major (Inc. 11, 12, 13, 15, 20, 22, 23, 24)	1	16	**§	BEARING, Body – Driven	1
C	498159	*REPAIR KIT, Minor (Inc. 1, 4, 5, 8, 9, 10, 25, 26, 27, 29, 30, 31)	1	17	**§	BODY	1
D	498019	GEAR SET, Drive & Driven (Inc. 14, 21)	1	18		§PLUG, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 3, 31, 32, 33)	1	19	**§	BEARING, Body – Drive	1
1		§"O" RING, Retainer	1	20		§THRUST PLATE – Body	1
2		§RETAINER, Shaft Seal	1	21		§GEAR, Drive	1
3		§SEAL, Inner Shaft Oil	1	22		§THRUST PLATE, Cover	1
4		§BOLT, Cover to Body	8	23		§SPRING, Wave	1
5		§WASHER, Cover to Body	8	24		§RING, Mask-Off	1
6		**§COVER	1	25		§WASHER, "O" Ring Back-Up	1
7		**§BEARING, Cover – Driven	1	26		§"O" RING, Cover Thrust Plate	1
8		§WASHER, "O" RING Back-Up	1	27		§WASHER, "O" Ring Back-Up	1
9		§"O" RING, Cover Thrust Plate	1	28	**§	BEARING, Cover – Drive	1
10		§WASHER, "O" Ring Back-Up	1	29		§SPRING, Thrust Plate	3
11		§RING, Mask-Off	1	30		§GASKET, Cover to Body	1
12		§SPRING, Wave	1	31		§"O" RING, Retainer	1
13		§THRUST PLATE, Cover	1	32		§SEAL, Outer Shaft Oil	1
14		§GEAR, Driven	1	33		§RING, Seal Retainer Retaining	1
				34	221992	†SLEEVE, Pump to Converter	1
				35	551906	†GASKET, Pump to Converter	1
				36	4E-06	†LKWSHR, Pump to Converter	6
				37	8D-06	†NUT, Pump to Converter	6

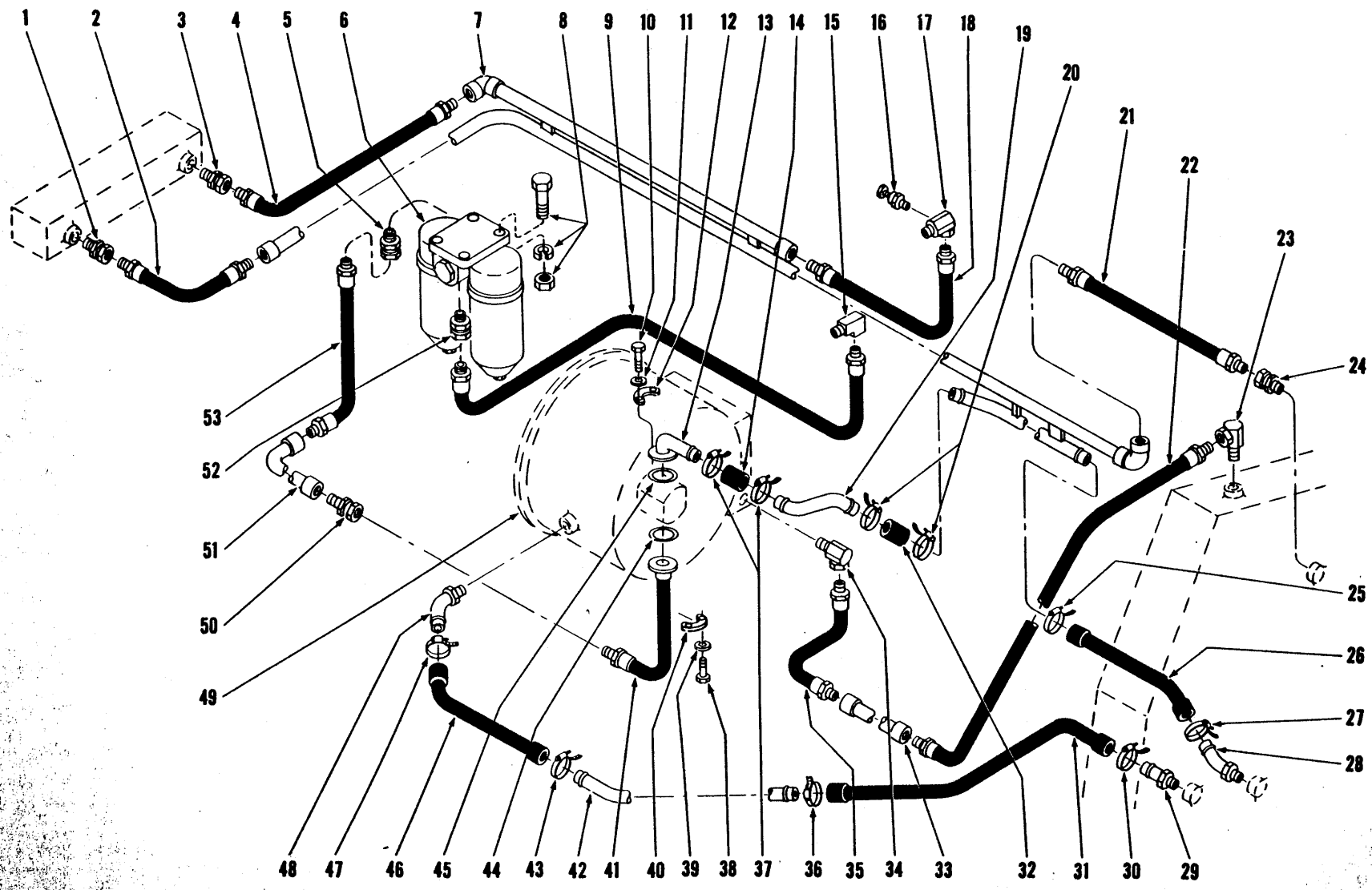
\*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

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

§Not Sold Separately

†Not Illustrated

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



**HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER – CUMMINS**  
For Serial: 44124 thru 44299, 1TC100 thru 1TC102

TS-2257-P

44.1

(1G3)

7/6/1/400

**HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS**

For Serial 44124 thru 44299, 1TC100, 1TC101, 1TC102

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	36F-6	ADAPTER UNION, Hose to Radiator	1	26	————	*HOSE, Transmission to Tube	1
2	658913	HOSE, Radiator to Return Cooler Line	1	27	784663	CLAMP, Hose	1
3	36F-6	ADAPTER UNION, Hose to Radiator	1	28	593118	STEM, Hose to Transmission	1
4	582304	HOSE, Cooler Line to Radiator	1	29	592849	STEM, Hose to Transmission	1
5	661428	ADAPTER UNION, Hose to Filter	1	30	784663	CLAMP, Hose	1
6	215500	FILTER, Transmission & Converter Oil (Inc. 6A)	1	31	————	**HOSE, Tube to Transmission	1
6A	215502	†CARTRIDGE KIT	2	32	585884	HOSE, Tube to Tube	1
7	593033	PIPE ASSY — Welded to Frame	1	33	593034	PIPE—Welded to Frame	1
8	2C-624	BOLT, Filter to Bracket	4	34	31F-5	ADAPTER UNION	1
8A	2D-06	NUT, Filter to Bracket	4	35	582301	***HOSE, Converter to Pipe	1
8B	4E-06	LKWSHR, Filter to Bracket	4	36	784663	CLAMP, Hose	1
9	582306	HOSE, Converter to Filter	1	37	784663	CLAMP, Hose	2
10	1C-720	BOLT, Flange Half to Pump	4	38	1C-620	BOLT, Flange Half to Pump	4
11	4E-07	LKWSHR, Flange Half to Pump	4	39	4E-06	LKWSHR, Flange Half to Pump	4
12	663094	FLANGE HALF, Stem to Pump	2	40	663093	FLANGE HALF, Hose to Pump	2
13	593116	STEM, Hose to Pump	1	41	593160	HOSE, Pump to Pipe	1
14	585884	HOSE, Tube to Stem	1	42	593098	TUBE, Drain—Welded to Frame	1
15	29F-4	ELBOW, Hose to Pump	1	43	784663	CLAMP, Hose	1
16	551323	SENDER UNIT, Converter Temperature	1	44	25K-40110	"O" RING, Hose to Pump	1
17	30F-5	ADAPTER UNION, Hose to Converter	1	45	25K-40116	"O" RING, Stem to Pump	1
18	582480	HOSE, Converter to Cooler Pipe	1	46	————	HOSE, Converter Drain (See Note "A")	1
19	590261	TUBE, Suction	1	47	784663	CLAMP, Hose	1
20	784663	CLAMP, Hose	2	48	593117	STEM, Hose to Converter	1
21	582299	HOSE, Return Cooler Pipe to Trans.	1	49	————	TORQUE CONVERTER — See Index	—
22	582298	HOSE, Pipe to Transmission	1	50	36F-5	ADAPTER UNION	1
23	31F-6	ADAPTER UNION	1	51	593157	PIPE, Pump to Filter—Welded to Frame	1
24	36F-6	ADAPTER UNION	1	52	661428	ADAPTER UNION	1
25	784663	CLAMP, Hose	1	53	522019	HOSE, Pipe to Filter	1

†Not Illustrated

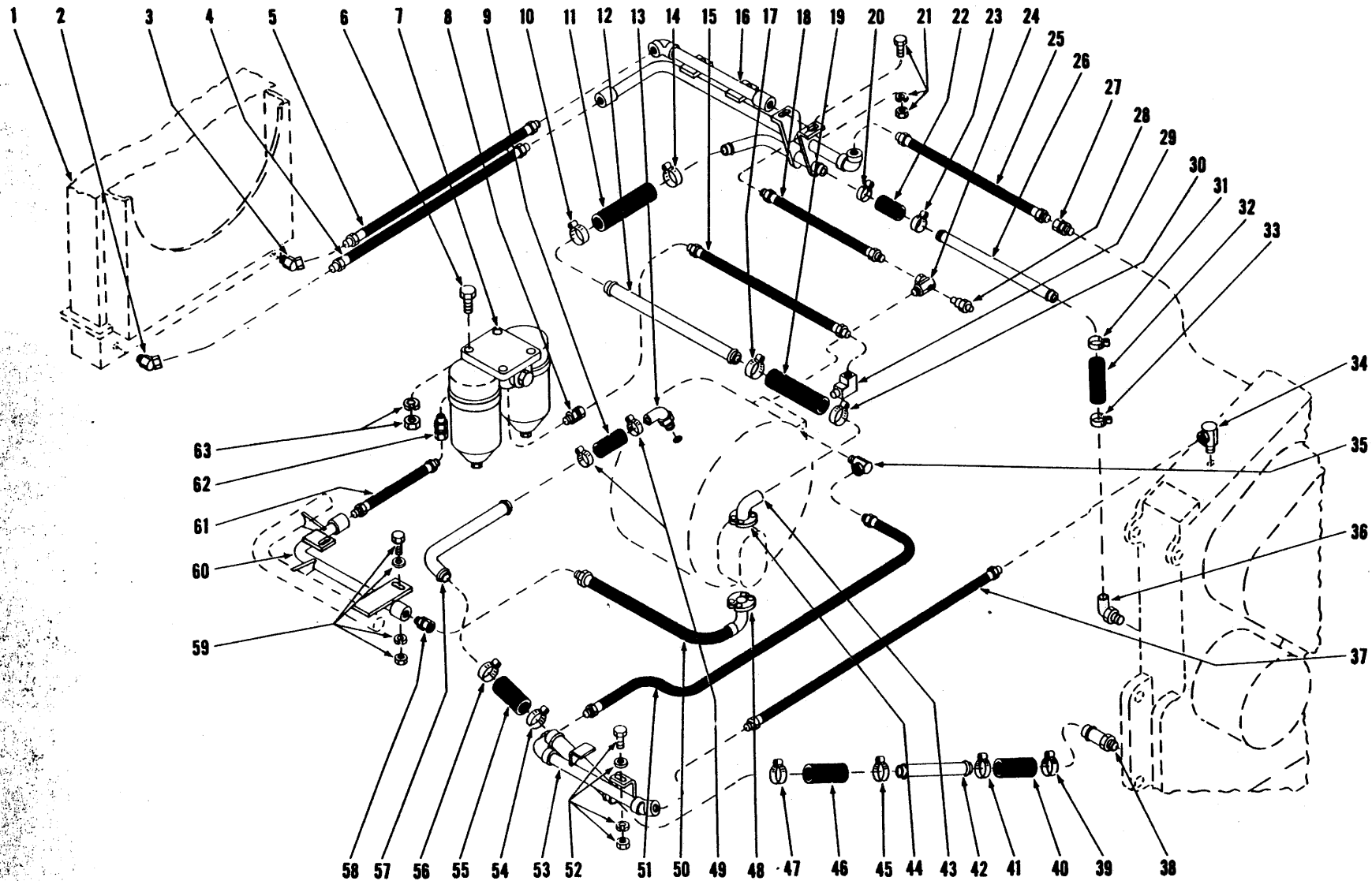
\*NOTE: When replacing Hose item 26 use 1—580735 Tube, 2—590260 Hose and 4—784663 Clamps.

\*\*NOTE: When replacing Hose item 31 use 1—580734 Tube, 2—585883 Hose and 4—784663 Clamps.

\*\*\*NOTE: When 582301 Hose is installed in machine Serial number 44123 thru 44148 use 1—31F-5 Adapter Union.

NOTE "A": When replacing Hose item 46 use 1—593835 Tube, 2—585883 Hose and 4—784663 Clamps.

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



HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER – CUMMINS  
For Serial: 2TC1 and thereafter

TS-2259-P



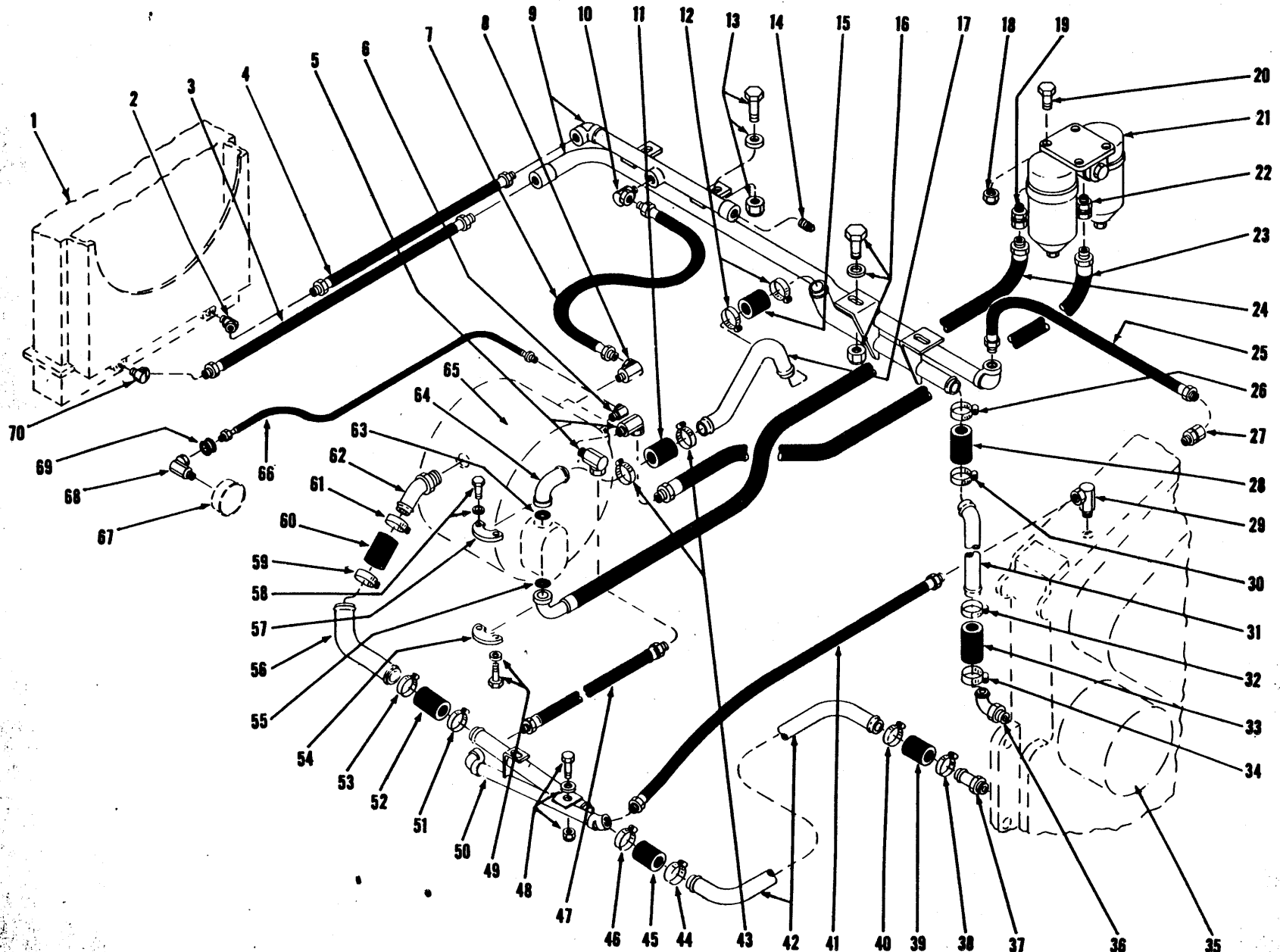
**HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS**

**For Serial 2TC1 and thereafter**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RADIATOR — See Index	—	37	582298	HOSE, Pipe to Transmission	1
2	33F-6	ADAPTER UNION	1	38	592849	STEM, Hose to Transmission	1
3	33F-6	ADAPTER UNION	1	39	784663	CLAMP, Hose	1
4	582305	HOSE, Radiator to Return Cooler Line	1	40	585883	HOSE, Tube to Stem	1
5	582304	HOSE, Cooler Line to Radiator	1	41	784663	CLAMP, Hose	1
6	2C-720	BOLT, Filter to Bracket	4	42	580734	TUBE, Drain	1
7	215500	FILTER, Transmission & Converter Oil (Inc. 7A)	1	43	593116	STEM, Hose to Pump	1
7A	215502	†CARTRIDGE KIT	2	44	663094	FLANGE HALF, Stem to Pump	2
8	661428	ADAPTER UNION	1	44A	25K-40116†	“O” RING, Stem to Pump	1
9	585883	HOSE, Stem to Tube	1	44B	1C-720	†BOLT, Flange Half to Pump	4
10	784663	CLAMP, Hose	1	44C	4E-07	†LKWSHR, Flange Half to Pump	4
11	585884	HOSE, Tube to Tube	1	45	784663	CLAMP, Hose	1
12	590261	TUBE, Suction	1	46	585883	HOSE, Tube to Tube	1
13	593117	STEM, Hose to Converter	1	47	784663	CLAMP, Hose	1
14	784663	CLAMP, Hose	1	48	663093	FLANGE HALF, Hose to Pump	2
15	582306	HOSE, Filter to Converter	1	48A	25K-40110†	“O” RING, Hose to Pump	1
16	581004	PIPE ASSY	1	48B	1C-620	†BOLT, Flange Half to Pump	4
17	784663	CLAMP, Hose	1	48C	4E-06	LKWSHR, Flange Half to Pump	4
18	582480	HOSE, Converter to Cooler Pipe	1	49	784663	CLAMP, Hose	1
19	585884	HOSE, Tube to Stem	1	50	582302	HOSE, Pump to Pipe	1
20	784663	CLAMP, Hose	1	51	582301	HOSE, Converter to Pipe	1
21	2C-624	BOLT, Pipe to Frame	4	52	2C-618	BOLT, Pipe to Frame	2
21A	2D-06	NUT, Pipe to Frame	4	52A	18D-06	NUT, Pipe to Frame	2
21B	4E-06	LKWSHR, Pipe to Frame	4	52B	980055	WASHER, Pipe to Frame	2
21C	980055	WASHER, Pipe to Frame	4	53	581009	PIPE ASSY	1
22	585884	HOSE, Tube to Tube	1	54	784663	CLAMP, Hose	1
23	784663	CLAMP, Hose	1	55	585883	HOSE, Tube to Tube	1
24	30F-5	ADAPTER UNION	1	56	784663	CLAMP, Hose	1
25	582299	HOSE, Return Cooler Pipe to Trans.	1	57	593835	TUBE, Converter Drain	1
26	580735	TUBE, Suction	1	58	36F-5	ADAPTER UNION	1
27	36F-6	ADAPTER UNION	1	59	2C-614	BOLT, Pipe to Frame	2
28	551323	SENDER UNIT, Converter Temperature	1	59A	2D-06	NUT, Pipe to Frame	2
29	29F-4	ELBOW, Hose to Converter	1	59B	4E-06	LKWSHR, Pipe to Frame	2
30	784663	CLAMP, Hose	1	59C	980055	WASHER, Pipe to Frame	2
31	784663	CLAMP, Hose	1	60	581022	PIPE ASSY	1
32	585884	HOSE, Tube to Stem	1	61	582303	HOSE, Pipe to Filter	1
33	784663	CLAMP, Hose	1	62	661428	ADAPTER UNION	1
34	31F-6	ADAPTER UNION	1	63	18D-07	NUT, Filter to Bracket	4
35	31F-5	ADAPTER UNION	1	63A	—	OMIT, Not Used	—
36	593118	STEM, Hose to Transmission	1				

†Not Illustrated

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



HYDRAULIC SYSTEM, TRANSMISSION AND TORQUE CONVERTER - G.M.  
For Serial 2TG101 thru 2TG999

TS-3586

46A-1

(1G7)

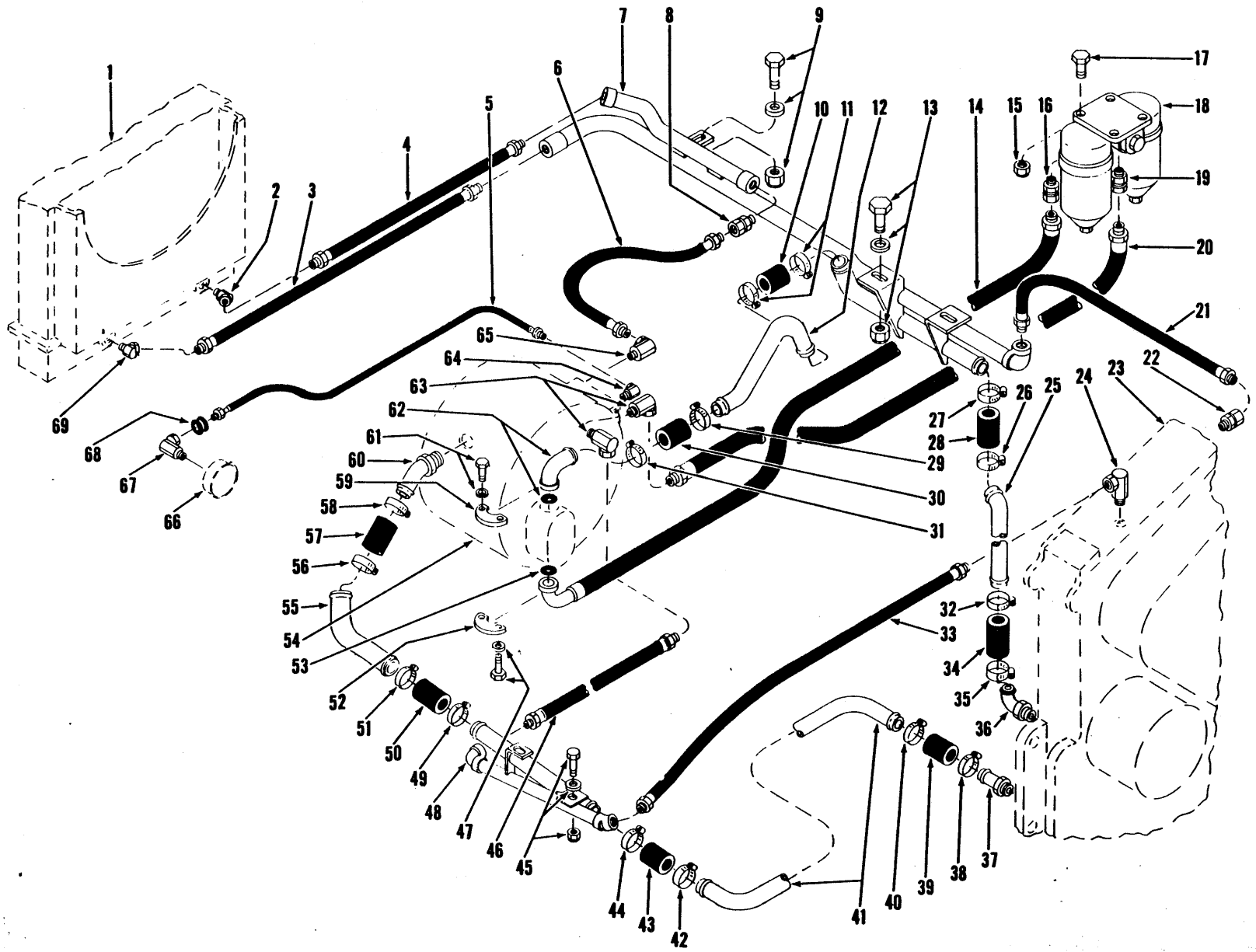
PM 1480

**TRANSMISSION AND TORQUE CONVERTER HYDRAULIC SYSTEM — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RADIATOR — See Index	—	36	593118	STEM, Tube to Transmission	1
2	528948	ADAPTER UNION	1	37	592849	STEM, Tube to Transmission	1
3	582305	HOSE, Radiator to Return Line	1	38	784663	CLAMP, Hose	1
4	582304	HOSE, Cooler Line to Radiator	1	39	585883	HOSE, Tube to Stem	1
5	31F-5	ADAPTER UNION	2	40	784663	CLAMP, Hose	1
6	31F-1	ADAPTER UNION	1	41	582298	HOSE, Pipe to Transmission	1
7	582744	HOSE, Converter to Cooler Line	1	42	580734	TUBE, Drain	1
8	31F-6	ADAPTER UNION	1	43	784663	CLAMP, Hose	2
9	581004	PIPE, Cooler & Suction	1	44	784663	CLAMP, Hose	1
10	31F-6	ADAPTER UNION	1	45	585883	HOSE, Pipe to Tube	1
11	585884	HOSE, Tube to Stem	1	46	784663	CLAMP, Hose	1
12	784663	CLAMP, Hose	2	47	582805	HOSE, Pipe to Transmission	1
13	18C-624	BOLT, Pipe Bracket to Frame	2	48	18C-618	BOLT, Pipe Bracket to Frame	2
13A	980055	WASHER, Pipe Bracket to Frame	2	48A	980055	WASHER, Pipe Bracket to Frame	2
13B	18D-06	NUT, Pipe Bracket to Frame	2	48B	18D-06	NUT, Pipe Bracket to Frame	2
14	13F-16	PLUG, Pipe	1	49	17C-620	BOLT, Flange Half to Pump	4
15	585884	HOSE, Tube to Pipe	1	49A	4E-06	LKWSHR, Flange Half to Pump	4
16	18C-618	BOLT, Pipe Bracket to Frame	2	50	581009	PIPE	1
16A	980055	WASHER, Pipe Bracket to Frame	2	51	784663	CLAMP, Hose	1
16B	18D-06	NUT, Pipe Bracket to Frame	2	52	585883	HOSE, Pipe to Tube	1
17	581779	TUBE, Suction	1	53	784663	CLAMP, Hose	1
18	18D-07	NUT, Filter Attaching	4	54	663093	FLANGE HALF, Hose to Pump	2
19	661428	ADAPTER UNION	1	55	25K-40110	"O" RING, Hose to Pump	1
20	18C-720	BOLT, Filter Attaching	4	56	581781	TUBE, Converter Drain	1
21	215500	FILTER ASSY (Inc. 21A)	1	57	663094	FLANGE HALF, Stem to Pump	2
21A	215502	†CARTRIDGE KIT, Filter	2	58	17C-720	BOLT, Flange Half to Pump	4
22	661428	ADAPTER UNION	1	58A	4E-07	LKWSHR, Flange Half to Pump	4
23	583573	HOSE, Filter to Converter	1	59	784663	CLAMP, Hose	1
24	583574	HOSE, Pump to Filter — Pressure	1	60	585883	HOSE, Tube to Stem	1
25	582299	HOSE, Return Line to Transmission	1	61	784663	CLAMP, Hose	1
26	784663	CLAMP, Hose	1	62	593117	STEM, Tube to Converter	1
27	36F-6	ADAPTER UNION	1	63	25K-40116	"O" RING, Stem to Pump	1
28	585884	HOSE, Tube to Tube	1	64	593116	STEM, Hose to Pump	1
29	31F-6	ADAPTER UNION	1	65	—	TORQUE CONVERTER — See Index	—
30	784663	CLAMP, Hose	1	66	581090	HOSE, Torque Converter to Pressure Gauge	1
31	580735	TUBE, Suction	1	67	—	GAUGE, Clutch Pressure — See Index	—
32	784663	CLAMP, Hose	1	68	32F-1	ADAPTER UNION	1
33	585884	HOSE, Tube to Stem	1	69	552438	GROMMET, Hose	1
34	784663	CLAMP, Hose	1	70	528948	ADAPTER UNION	1
35	—	TRANSMISSION ASSY — See Index	—	70A	551323	†SENDER UNIT, Torque Conv. Temp.	1

†Not Illustrated

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



TRANSMISSION AND TORQUE CONVERTER HYDRAULIC SYSTEM - G.M.  
For Serial 3TG101 thru 3TG999

TS-3764

46B.1

(169)

PM 1480

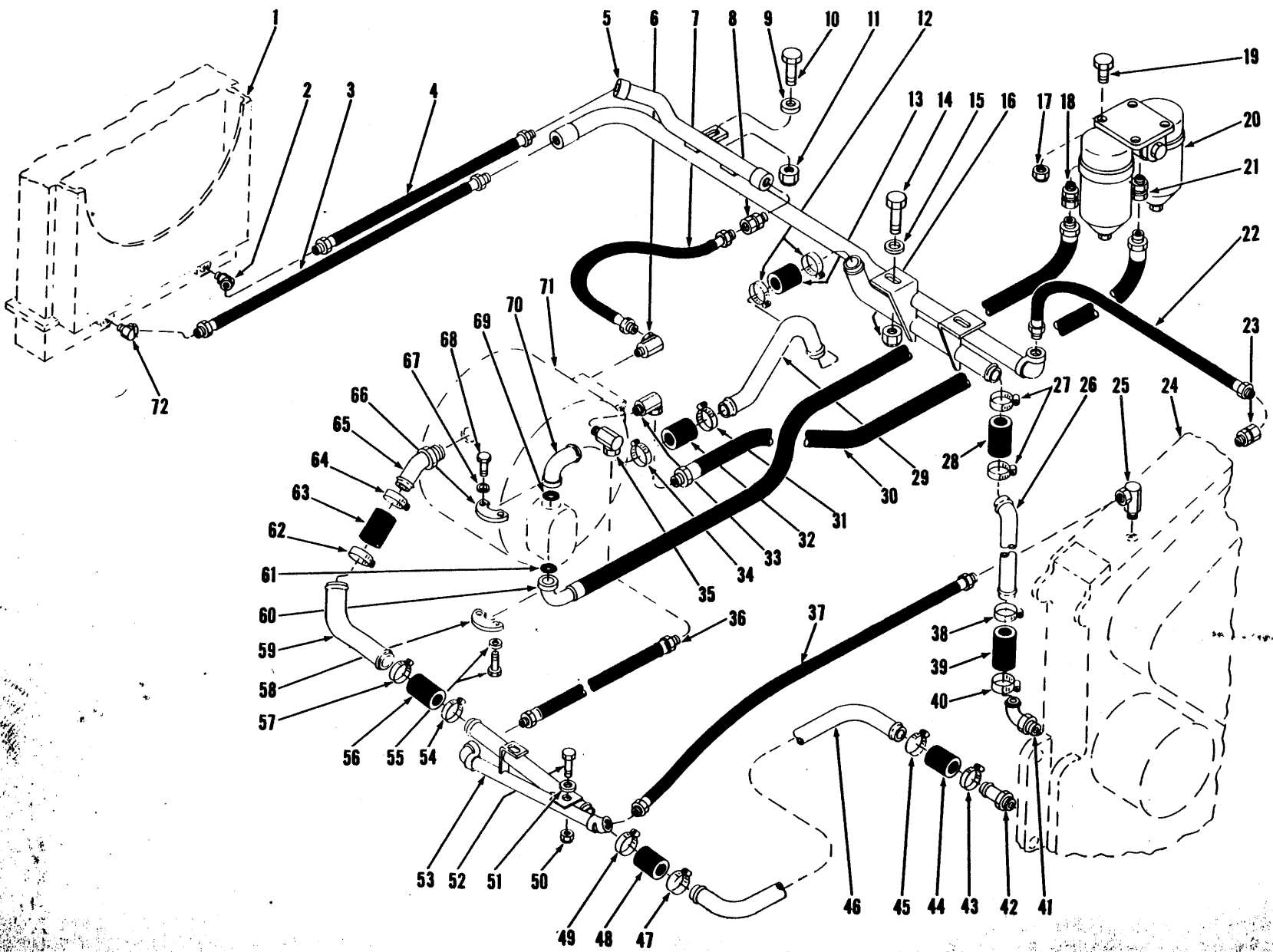
**TRANSMISSION AND TORQUE CONVERTER — HYDRAULIC SYSTEM — G.M.**

For Serial 3TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR — See Index	—	36	593118	STEM, Tube to Transmission	1
2	528948	ADAPTER UNION	—	37	592849	STEM, Tube to Transmission	1
3	582304	HOSE, Radiator to Return Line	1	38	784663	CLAMP, Hose	1
4	582480	HOSE, Cooler Line to Radiator	1	39	585883	HOSE, Tube to Stem	1
5	581090	HOSE, Torque Converter to Pressure Gauge	1	40	784663	CLAMP, Hose	1
6	582299	HOSE, Converter to Cooler Line	1	41	580734	TUBE, Drain	1
7	583649	PIPE, Cooler & Suction	1	42	784663	CLAMP, Hose	1
8	36F-6	ADAPTER UNION	1	43	585883	HOSE, Pipe to Tube	1
9	13C-624	BOLT, Pipe Bracket to Frame	1	44	784663	CLAMP, Hose	1
9A	980055	WASHER, Pipe Bracket to Frame	1	45	18C-618	BOLT, Pipe Bracket to Frame	2
9B	18D-06	NUT, Pipe Bracket to Frame	1	45A	980055	WASHER, Pipe Bracket to Frame	2
10	585884	HOSE, Tube to Pipe	1	45B	18D-06	NUT, Pipe Bracket to Frame	2
11	784663	CLAMP, Hose	2	46	582805	HOSE, Pipe to Transmission	1
12	581779	TUBE, Suction	1	47	17C-620	BOLT, Flange Half to Pump	4
13	18C-618	BOLT, Pipe Bracket to Frame	2	47A	4E-06	LKWSHR, Flange Half to Pump	4
13A	980055	WASHER, Pipe Bracket to Frame	2	48	581009	PIPE	1
13B	18D-06	NUT, Pipe Bracket to Frame	2	49	784663	CLAMP, Hose	1
14	583574	HOSE, Pump to Filter—Pressure	1	50	585883	HOSE, Pipe to Tube	1
15	18D-07	NUT, Filter Attaching	4	51	784663	CLAMP, Hose	1
16	661428	ADAPTER UNION	1	52	663093	FLANGE HALF, Hose to Pump	2
17	18C-720	BOLT, Filter Attaching	4	53	25K-40110	"O" RING, Hose to Pump	1
18	215500	FILTER ASSY (Inc. 18A)	1	54	-----	TORQUE CONVERTER — See Index	—
18A	215502	†CARTRIDGE KIT, Filter	2	55	581781	TUBE, Converter Drain	1
19	661428	ADAPTER UNION	1	56	784663	CLAMP, Hose	1
20	583573	HOSE, Filter to Converter	1	57	585883	HOSE, Tube to Stem	1
21	582299	HOSE, Return Line to Transmission	1	58	784663	CLAMP, Hose	1
22	36F-6	ADAPTER UNION	1	59	663094	FLANGE HALF, Stem to Pump	2
23	-----	TRANSMISSION ASSY — See Index	—	60	593117	STEM, Tube to Converter	1
24	31F-6	ADAPTER UNION	1	61	17C-720	BOLT, Flange Half to Pump	4
25	580735	TUBE, Suction	1	61A	4E-07	LKWSHR, Flange Half to Pump	4
26	784663	CLAMP, Hose	1	62	593116	STEM, Hose to Pump	1
27	784663	CLAMP, Hose	1	62A	25K-40116	"O" RING, Stem to Pump	1
28	585884	HOSE, Tube to Tube	1	63	31F-5	ADAPTER UNION	2
29	784663	CLAMP, Hose	1	64	31F-1	ADAPTER UNION	1
30	585884	HOSE, Tube to Stem	1	65	31F-6	ADAPTER UNION	1
31	784663	CLAMP, Hose	1	66	-----	GAUGE, Clutch Pressure—See Index	—
32	784663	CLAMP, Hose	1	67	32F-1	ADAPTER UNION	1
33	582298	HOSE, Pipe to Transmission	1	68	552438	GROMMET, Hose	1
34	585884	HOSE, Tube to Stem	1	69	528948	ADAPTER UNION	1
35	784663	CLAMP, Hose	1	69A	551323	†SENDER UNIT, Torque Conv. Temp.	1

†Not Illustrated

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



HYDRAULIC SYSTEM - TRANSMISSION AND TORQUE CONVERTER - G.M.  
For Serial: 4TG101 & after

TS-5055-P

46C.1

(1G11)

PM 1480

**HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER**

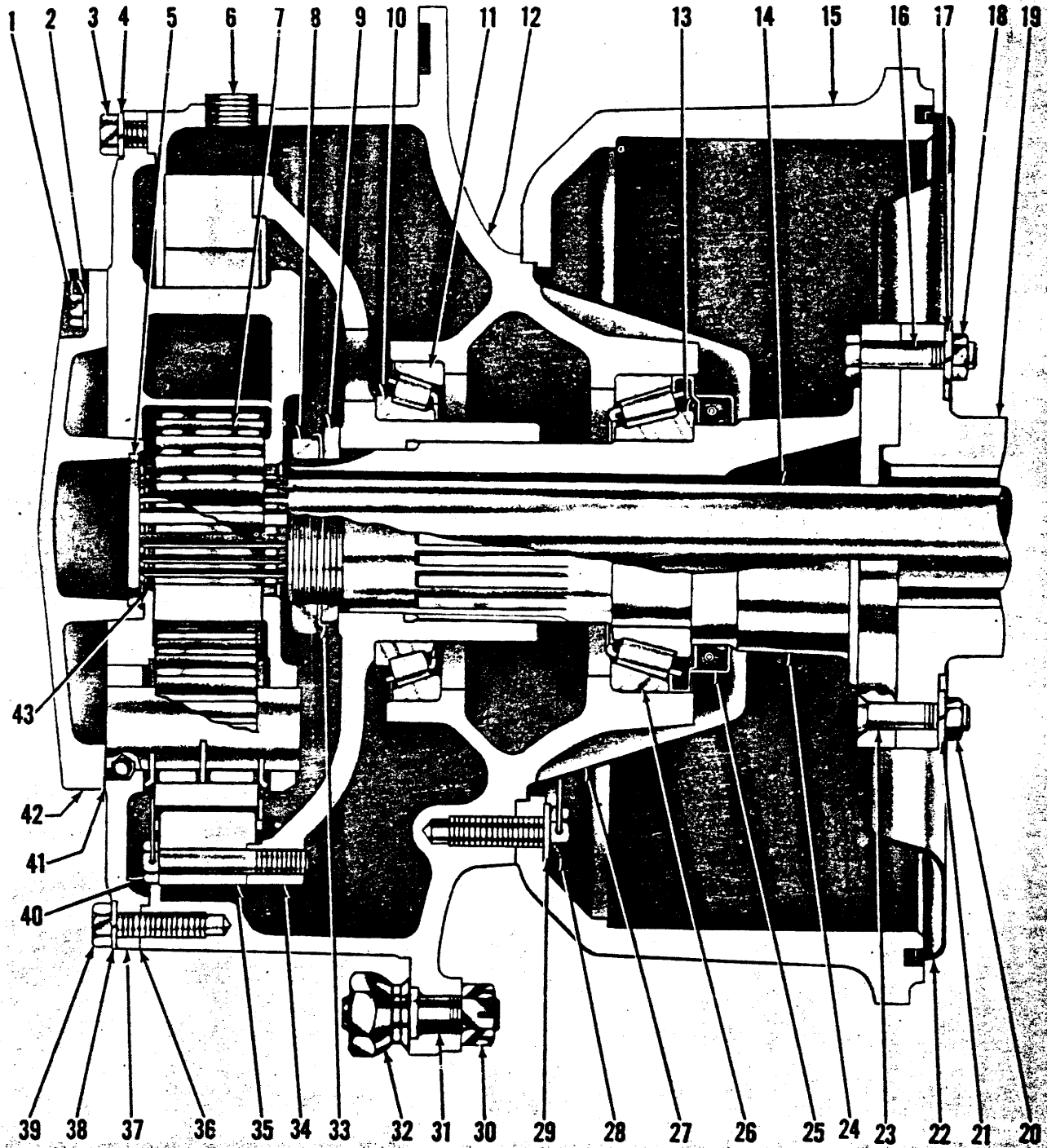
**G.M.**

For Serial: 4TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RADIATOR — See P.M.S. 1709 .....	—	39	585884	HOSE, Stem to Tube .....	1
2	528948	ADAPTER UNION .....	1	40	784663	CLAMP, Hose .....	1
3	582304	HOSE, Radiator to Return Line .....	1	41	593118	STEM, Tube to Transmission.....	1
4	582480	HOSE, Cooler Line to Radiator .....	1	42	592849	STEM, Tube to Transmission.....	1
5	583649	PIPE, Cooler & Suction.....	1	43	784663	CLAMP, Hose .....	1
6	31F-6	ADAPTER UNION .....	1	44	585883	HOSE, Stem to Tube .....	1
7	582299	HOSE, Converter to Cooler Line .....	1	45	784663	CLAMP, Hose .....	1
8	36F-6	ADAPTER UNION .....	1	46	580734	TUBE, Drain .....	1
9	980055	WASHER, Pipe Bracket to Frame .....	1	47	784663	CLAMP, Hose .....	1
10	18C-624	BOLT, Pipe Bracket to Frame .....	1	48	585883	HOSE, Tube to Tube .....	1
11	18D-06	NUT, Pipe Bracket to Frame .....	1	49	784663	CLAMP, Hose .....	1
12	784663	CLAMP, Hose .....	2	50	18D-06	NUT, Pipe Bracket to Frame .....	2
13	585884	HOSE, Tube to Pipe .....	1	51	980055	WASHER, Pipe Bracket to Frame.....	2
14	18C-618	BOLT, Pipe Bracket to Frame .....	2	52	18C-816	BOLT, Pipe Bracket to Frame.....	2
15	980055	WASHER, Pipe Bracket to Frame .....	2	53	581009	PIPE .....	1
16	18D-06	NUT, Pipe Bracket to Frame .....	2	54	784663	CLAMP, Hose .....	1
17	18D-07	NUT, Filter Mounting .....	4	55	17C-620	BOLT, Hose to Pump .....	4
18	661428	ADAPTER UNION .....	1	55A	4E-06	LKWSHR, Hose to Pump .....	4
19	18C-720	BOLT, Filter Mounting .....	4	56	585883	HOSE, Tube to Tube .....	1
20	215500	FILTER ASSY (Inc. 20A) .....	1	57	784663	CLAMP, Hose .....	1
20A	215502	†CARTRIDGE KIT, Filter .....	2	58	663093	FLANGE HALF, Hose to Pump .....	2
21	661428	ADAPTER UNION .....	1	59	581781	TUBE, Converter Drain .....	1
22	582299	HOSE, Return Line to Transmission.....	1	60	583574	HOSE, Pump to Filter — Pressure .....	1
23	36F-6	ADAPTER UNION .....	1	61	25K-40110	"O" RING, Hose to Pump .....	1
24	—	TRANSMISSION — See P.M. 1480 ....	—	62	784663	CLAMP, Hose .....	1
25	31F-6	ADAPTER UNION .....	1	63	585883	HOSE, Tube to Stem .....	1
26	580735	TUBE, Suction .....	1	64	784663	CLAMP, Hose .....	1
27	784663	CLAMP, Hose .....	2	65	593117	STEM, Converter Drain .....	1
28	585884	HOSE, Pipe to Tube .....	1	66	663094	FLANGE HALF, Hose to Pump .....	2
29	581779	TUBE, Suction .....	1	67	4E-07	LKWSHR, Hose to Pump .....	4
30	583573	HOSE, Filter to Converter .....	1	68	17C-720	BOLT, Hose .....	4
31	784663	CLAMP, Hose .....	1	69	25K-40116	"O" RING, Stem to Pump .....	1
32	585884	HOSE, Stem to Tube .....	1	70	593116	STEM, Hose to Pump — Suction .....	1
33	31F-5	ADAPTER UNION .....	1	71	—	TORQUE CONV. — See P.M.S. 1724..	—
34	784663	CLAMP, Hose .....	1	72	582948	ADAPTER UNION .....	1
35	31F-5	ADAPTER UNION .....	1	73	551323	†SENDER UNIT, Converter Temperature	1
36	582805	HOSE, Pipe to Converter .....	1	74	14D-10	†NUT, Sender Unit .....	1
37	582298	HOSE, Pipe to Transmission .....	1	75	12E-10	†LKWSHR, Sender Unit .....	1
38	784663	CLAMP, Hose .....	1				

†Not Illustrated

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



**AXLE ASSEMBLY**

For Serial: 44123 thru 44299, 1TC100 thru 1TC102

TS-557-F



**AXLE ASSEMBLY**

For Serial 44123 thru 44299, 1TC100 thru 1TC102

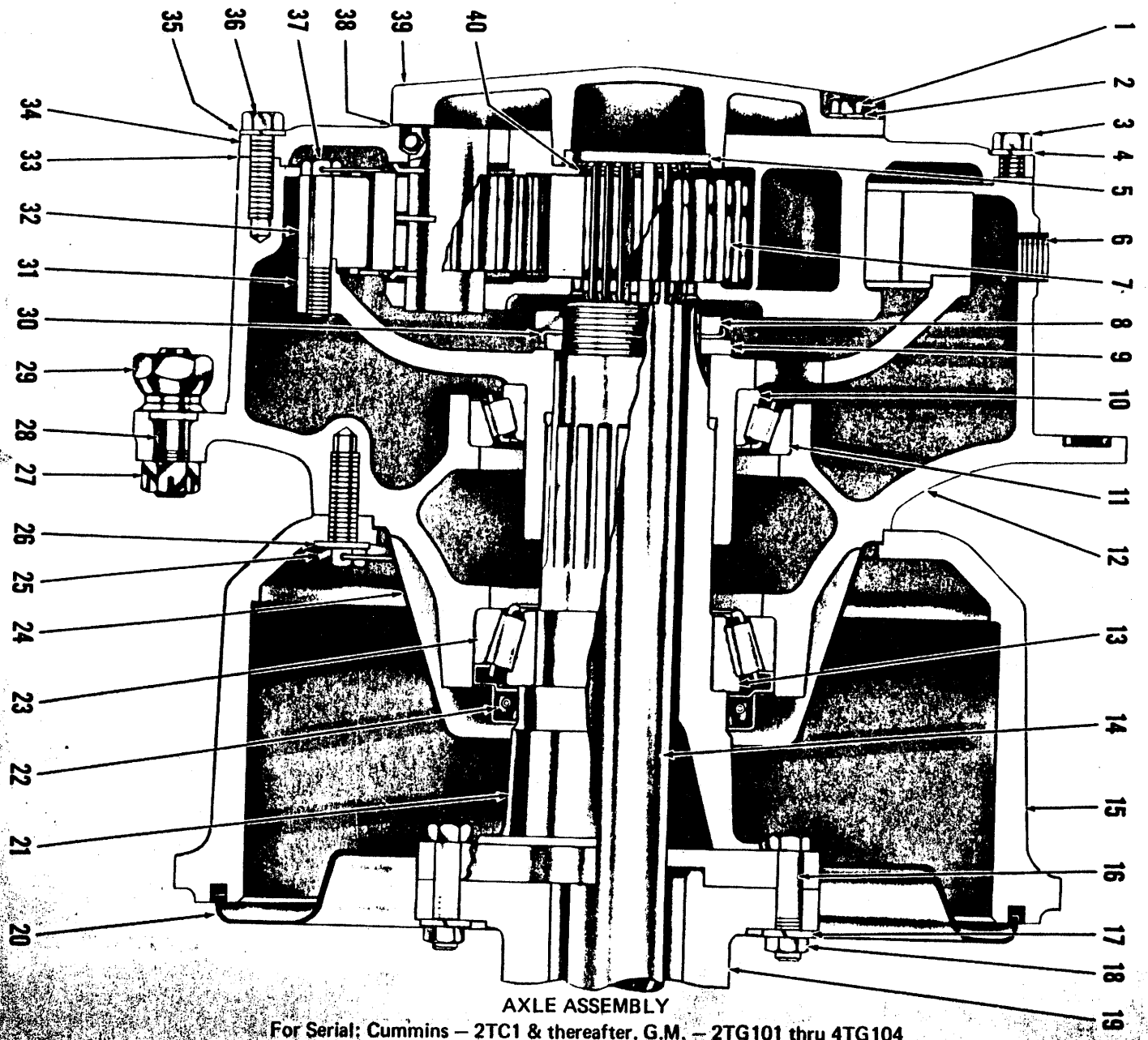
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130327	*AXLE ASSY (Inc. 1 thru 46)	1	23	106737	SCREW, Spindle & Brake Attaching	4
1	1C-720	BOLT, Sun Gear Thrust Cap	12	24	106741	SPINDLE	2
2	4E-07	LKWSHR, Sun Gear Thrust Cap	12	25	111708	SEAL, Hub Oil	2
3	1C-808	BOLT, Planet Puller	4	26	672004	CUP, Inner Hub Bearing	2
4	3E-08	LKWSHR, Planet Puller	4	27	106221	CATCHER, Oil	2
5	106457	WASHER, Sun Gear Thrust Cap	2	28	107256	BOLT, Drum to Hub	24
6	14F-12	PLUG, Planet Filler	1	29	104412	WASHER, Drum to Hub	24
7	106232	GEAR, Sun	2	30	121052	NUT, Wheel Stud	20
8	114433	NUT, Outer Spindle	2	31	103445	STUD, Wheel	20
9	114433	NUT, Inner Spindle	2	32	103522	NUT, Wheel	20
10	675261	CONE, Outer Hub Bearing	2	33	101274	LOCK, Spindle Nut	2
11	668553	CUP, Outer Hub Bearing	2	34		HUB, Internal Gear	
12	107252	HUB ASSY (Inc. 11, 26)	2	34A	106882	For Serial 44123 thru 44299, 1TC100	2
13	672005	CONE, Inner Hub Bearing	2	34B	110623	For Serial 1TC101, 1TC102	2
14	106234	AXLE SHAFT	2	35	106233	GEAR, Internal	2
15	107002	DRUM, Brake	2	36	106239	GASKET, Planet Spider	2
16	106736	BOLT, Spindle & Brake Attaching	16	37	---	PLANET SPIDER (See Index)	---
17	104412	WASHER, Spindle & Brake Attaching	16	38	7E-08	LKWSHR, Planet Spider to Hub	20
18	106998	NUT, Spindle & Brake Attaching	16	39	100970	BOLT, Planet Spider to Hub	20
19	107004	HOUSING, Axle	1	40		BOLT, Internal Gear to Hub	
19A	13F-12	†PLUG, Housing Filler	1	40A	106883	For Serial 44123 thru 44299, 1TC100	16
19B	14F-12	†PLUG, Housing Drain	1	40B	110624	For Serial 1TC101, 1TC102	16
19C	12F-204	†PLUG, Housing Expansion	1	41	106238	GASKET, Sun Gear Thrust Cap	2
19D	106656	†BREATHER, Axle Housing	1	42	815565	**CAP ASSY, Sun Gear Thrust (Inc. 5)	2
20	106998	NUT, Spindle & Brake Attaching	4	43	224023	RING, Sun Gear Snap	2
21	104412	WASHER, Spindle & Brake Attaching	4	44	---	BRAKE ASSY (See Index)	---
22		COVER, Brake Dust		45	---	DIFF. & CARRIER ASSY (See Index)	---
22A	106710	Top Left - Bottom Right	2	46	---	CAM SHAFT & PARTS (See Index)	---
22B	109947	Bottom Left - Top Right	2				
22C	1C-612	†BOLT, Dust Cover	12				
22D	4E-06	†LKWSHR, Dust Cover	12				

†Not Illustrated

\*NOTE: For complete replacement of 130327 Axle Assy use 130824 Axle Assy.

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

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



**AXLE ASSEMBLY**

For Serial: Cummins - 2TC1 & thereafter, G.M. - 2TG101 thru 4TG104

TS-2264-P

50.1

(1B3)

PM 1300



CONSTRUCTION MACHINERY DIVISION



AXLE ASSEMBLY - FRONT DRIVE

For Serial: Cummins - 2TC1 thru 2TC999
G.M. - 2TG101 thru 4TG104

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts such as AXLE ASSY, BOLT, LKWSHR, WASHER, PLUG, GEAR, NUT, CONE, CUP, DRUM, HOUSING, and COVER with their respective quantities.

† Not Illustrated

\*NOTE: For replacement of 110812 Hub Assy use 815754 Kit. 815754 Kit also includes 12 - 118358 Brake Drum Bolts.

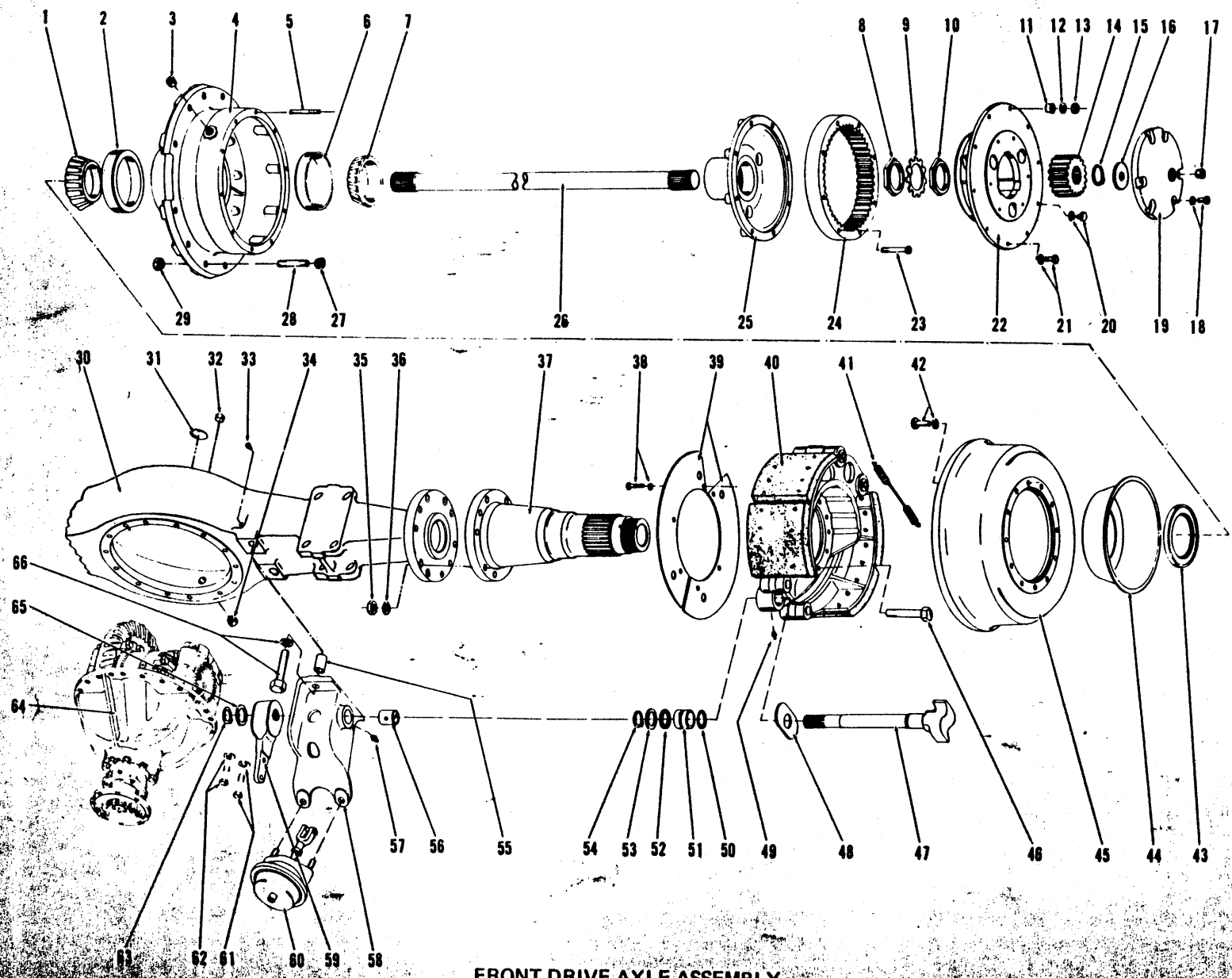
\*\*NOTE: For replacement of 110555 Spindle use 119852 Spindle plus 1 - 118786 Locknut. When replacing 110555 with 119852 on machine Serial 2TC1 thru 2TC18 1 - 111475 Hub Oil Seal must also be used.

\*\*\*NOTE: For replacement of 106456 Cap use 815565 Cap Kit. 815565 also includes 6 - 112278 Washers, 1 - 113292 "O" Ring & 1 - 11F-12 Plug.

NOTES

A series of horizontal lines provided for handwritten notes or additional information.

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



FRONT DRIVE AXLE ASSEMBLY  
For Serial: Cummins-3TC101 & after. G.M. 4TG105 & after

TS-4269

50A.1

(1B5)

**FRONT DRIVE AXLE ASSEMBLY**  
For Serial: Cummins — 3TC101 and after  
G.M. — 4TG105 and after

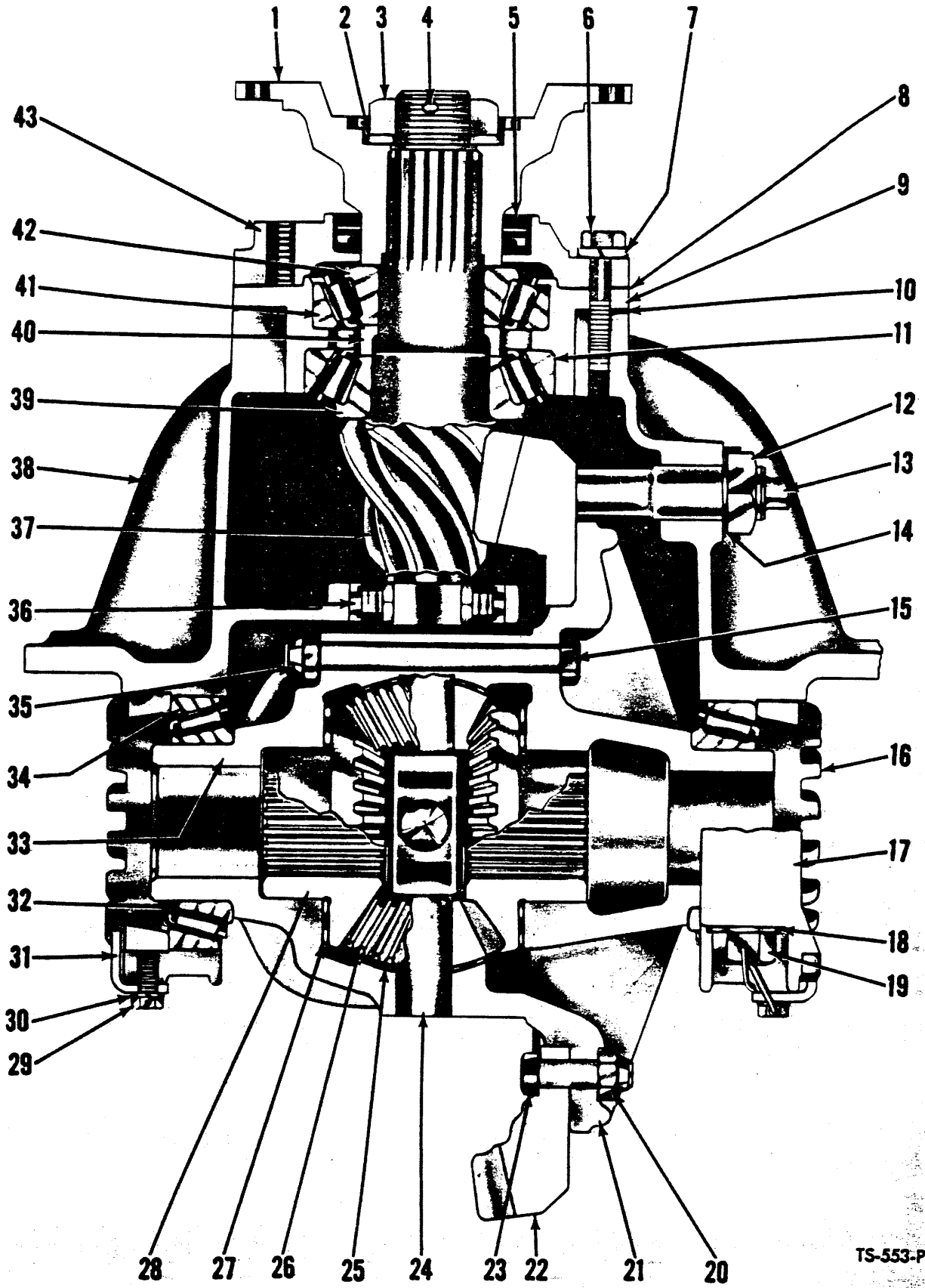
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	131403	AXLE ASSY (Inc. 1 thru 66A)	1	38A	1C-616	†BOLT, Dust Cover	4
1	774025	CONE, Inner Hub Bearing	2	38B	4E-06	LKWSHR, Dust Cover	8
2	774024	CUP, Inner Hub Bearing	2	39	118041	COVER, Brake Dust	4
3	119469	PLUG, Hub Filler & Drain	2	39A	655673	SPACER, Dust Cover	4
4	815754	HUB ASSY (Inc. 2, 6)	2	39B	112695	PLATE, Dust Cover Reinforcing	2
5	116419	STUD, Planet Carrier	10	40	—	BRAKE ASSY — See Index	2
6	742262	CUP, Outer Hub Bearing	2	4T	112215	SPRING, Brake Shoe Return	2
7	742263	CONE, Outer Hub Bearing	2	42	110349	BOLT, Brake Drum to Hub	24
8	110559	NUT, Inner Spindle	2	42A	104412	WASHER, Brake Drum to Hub	24
9	110560	LOCK, Spindle Nut	2	43	112412	SEAL, Hub Oil	2
10	110559	NUT, Outer Spindle	2	44	106221	CATCHER, Oil	2
11	112287	DOWEL, Planet Carrier	10	45	121494	DRUM, Brake	2
12	106762	WASHER, Planet Carrier Stud	10	46	18C-1064	BOLT, Spindle & Brake Attaching	20
13	64D-08	NUT, Planet Carrier Stud	10	47	114211	CAMSHAFT — R.H.	1
14	110556	GEAR, Sun	2	47A	114212	†CAMSHAFT — L.H.	1
15	224066	RING, Sun Gear Retaining	2	48	107735	WASHER, Camshaft Thrust	2
16	106457	WASHER, Sun Gear Thrust	2	49	12H-15	FITTING, Brake Spider Grease	2
17	11F-12	PLUG, Thrust Cap	2	50	25K-60124	"O" RING, Camshaft	2
18	1C-720	BOLT, Thrust Cap	12	51	107739	BUSHING, Brake Spider	2
18A	112278	WASHER, Thrust Cap	12	52	11E-135	RETAINER, Brake Spider Grease	2
19	815565	CAP ASSY, Sun Gear Thrust (Inc. 16, 17, 18A, 19A)	2	53	107736	WASHER, Camshaft	2
19A	113292	†"O" RING, Sun Gear Thrust Cap	2	54	660516	RING, Washer Retaining	2
20	1C-808	BOLT, Planet Puller Hole	4	55	110941	SPACER, Air Chamber Bracket	4
20A	3E-08	LKWSHR, Planet Puller Hole	4	56	102189	BUSHING, Air Chamber Bracket	4
21	100970	BOLT, Planet Carrier to Hub	10	57	10H-25	FITTING, Air Chamber Bracket Grease	2
21A	106762	WASHER, Planet Carrier to Hub	10	58	104204	BRACKET ASSY, Air Chamber — R.H. (Inc. 56)	1
22	—	PLANET CARRIER — See Index	2	58A	104203	BRACKET ASSY, Air Chamber — L.H. (Inc. 56)	1
23	110624	BOLT, Internal Gear to Hub	16	59	107013	*ADJUSTER, Slack — B.W. #226563	2
24	110622	GEAR, Internal	2	60	109263	*AIR CHAMBER (Inc. 60A) B.W. #229380	2
25	110553	HUB, Internal Gear	2	60A	882444	†DIAPHRAGM, Air Chamber — B.W. #234101	2
26	119976	AXLE SHAFT	2	61	17C-1028	BOLT, Carrier to Axle Housing	10
27	103522	NUT, Wheel	20	61A	104412	WASHER, Carrier to Axle Housing	10
28	103445	STUD, Wheel	20	62	110894	BOLT, Carrier to Axle Housing	4
29	121062	NUT, Wheel Stud	20	62A	104412	WASHER, Carrier to Axle Housing	4
30	111321	HOUSING, Axle	1	63	224032	RING, Slack Adjuster Retaining	2
31	12F-204	PLUG, Housing Expansion	1	64	—	DIFFERENTIAL & CARRIER ASSY — See Index	1
32	11F-12	PLUG, Housing Filler	1	64A	110607	†GASKET, Carrier to Axle Housing	1
33	121214	BREATHER, Axle Housing	1	65	107010	WASHER, Slack Adjuster Retaining	2
34	791034	PLUG, Housing Drain	1	66	1C-1056	BOLT, Air Chamber Bracket	4
35	106998	NUT, Spindle & Brake Attaching	20	66A	4E-10	LKWSHR, Air Chamber Bracket	4
36	104412	WASHER, Spindle & Brake Attaching	20				
37	111710	** SPINDLE	2				
38	1C-612	BOLT, Dust Cover	4				

† Not Illustrated

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

\*\*NOTE: For replacement use 119852 Spindle plus 1 — 118786 Locknut.

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



TS-553-P

**DIFFERENTIAL AND CARRIER ASSEMBLY**

For Serial: Cummins - 44123 thru 44299, 1TC100 thru 1TC102, 2TC1 thru 2TC999. G.M. - 2TG101 thru 4TG104

**DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE**

**For Serial: Cummins — 44123 thru 44299, ITC100 thru ITC102, 2TC1 thru 2TC999**

**G.M. — 2TG101 thru 4TG104**

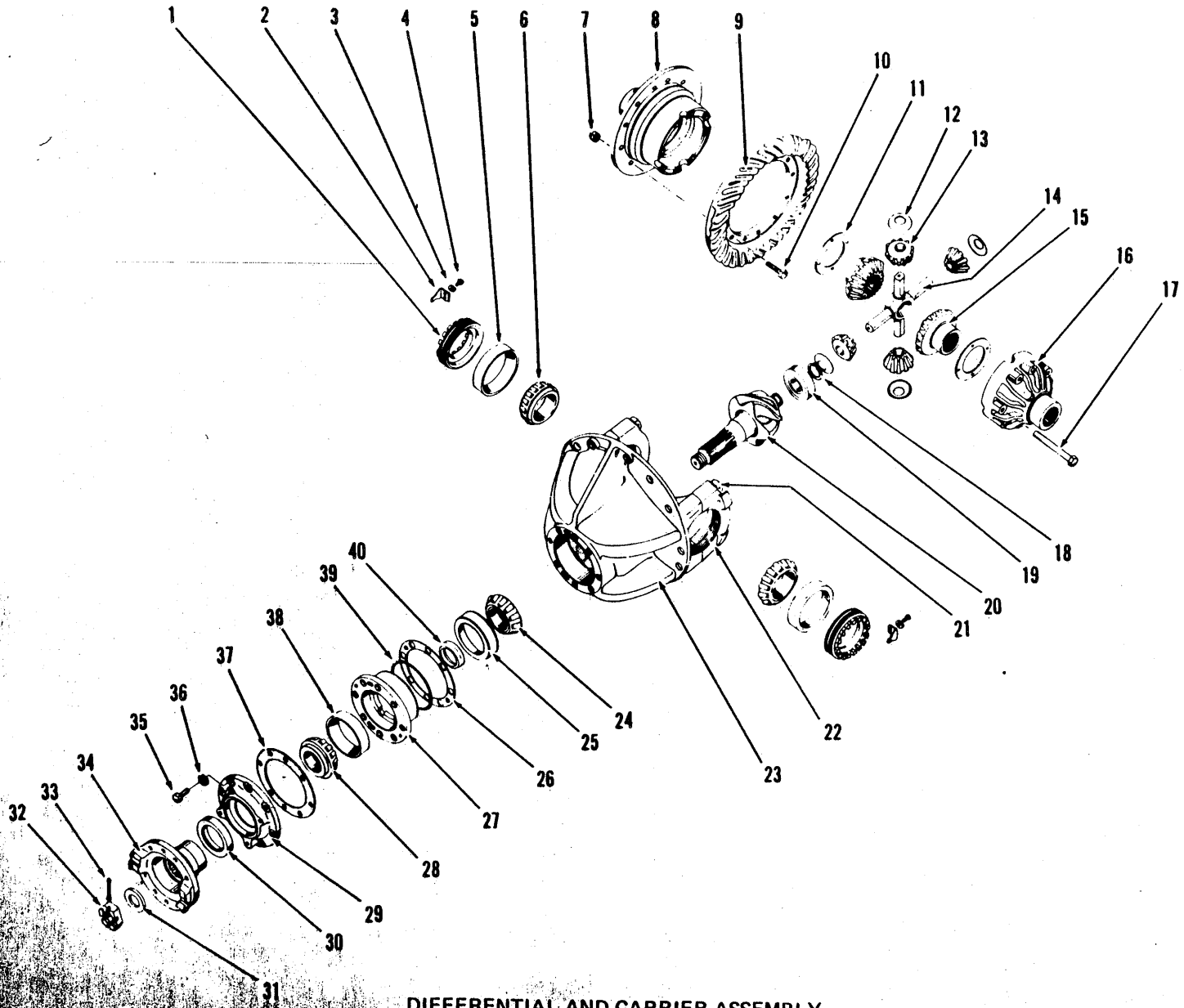
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	108594	DIFF. & CARRIER ASSY (Inc. 1 thru 48)	1	24	101203	SPIDER, Differential	1
1	—	FLANGE, Companion (See page 50)	—	25	111352	WASHER, Differential Pinion Thrust	4
2	101224	WASHER, Pinion Shaft	1	26	101201	PINION, Differential	4
3	101223	NUT, Pinion Shaft	1	27	101205	WASHER, Side Gear Thrust	2
4	1F-740	COTTER, Pinion Shaft	1	28	106206	GEAR, Differential Side	2
5	111721	SEAL, Pinion Oil	1	29	3C-614	BOLT, Differential Adjusting Nut Lock	2
6	1C-1040	BOLT, Pinion Oil Seal Retainer	7	30	4E-06	LKWSHR, Diff. Adjusting Nut Lock	2
6A	1C-836	BOLT, Oil Seal Retainer Locating	1	31	100941	LOCK, Differential Adjusting Nut	2
7	4E-10	LKWSHR, Pinion Oil Seal Retainer	7	32	675254	CONE, Differential Bearing	2
7A	4E-08	LKWSHR, Oil Seal Retainer Locating	1	33	—	CASE, Diff. — Plain Half (See 47)	1
8	107483	GASKET, Oil Seal Retainer	1	34	675252	CUP, Differential Bearing	2
9	107477	CAGE ASSY, Pinion Brg. (Inc. 11, 41)	1	35	104168	NUT, Differential Case — 3/8"	8
10	101218	±SHIM, Pinion Bearing Cage—Thin	—	35A	110523	NUT, Differential Case — 3/8"	8
10A	101219	±SHIM, Pinion Bearing Cage—Medium	—	36	675265	BEARING, Inner Pinion	1
10B	101220	±SHIM, Pinion Bearing Cage—Thick	—	37	—	§PINION (See 46)	1
11	675262	CUP, Center Pinion Bearing	1	38	815521	*CARRIER & CAP ASSY (Inc. 17, 18, 19)	1
12	8D-18	NUT, Thrust Screw	1	39	675263	CONE, Center Pinion Bearing	1
13	101226	SCREW, Differential Thrust	1	40	815200	SPACER & SHIM KIT, Pinion Bearing	1
14	101227	LOCK, Thrust Screw Nut	1	41	675259	CUP, Outer Pinion Bearing	1
15	101206	BOLT, Differential Case — 3/8"	8	42	675260	CONE, Outer Pinion Bearing	1
15A	111353	BOLT, Differential Case — 3/8"	8	43	107482	RETAINER, Pinion Oil Seal	1
16	101213	NUT, Differential Adjusting	2	44	108595	DIFFERENTIAL ASSY (Inc. 15, 20 thru 28, 33, 35, 37)	1
17	—	§CAP, Differential Carrier (See 37)	2	45	111349	DIFF. BODY SUB-ASSY (Inc. 15, 21, 24 thru 28, 33, 35)	1
18	111658	WASHER, Differential Carrier Cap	4	46	815349	RING GEAR & PINION SET (Inc. 22, 37)	1
19	101210	BOLT, Differential Carrier Cap	4	47	815396	DIFF. CASE KIT (Inc. 15, 21, 25, 33, 35)	1
20	104168	NUT, Ring Gear Bolt	12	48	—	PARKING BRAKE ASSY (See Index)	—
21	—	§CASE, Diff. — Flange Half (See 47)	1				
22	—	§GEAR, Ring (See 46)	1				
23	101196	BOLT, Ring Gear	12				

†As Required

§Not Sold Separately

\*NOTE: 815521 also includes: 7—17C-928 Bolts, 2—17C-932 Bolts, 2—17C-940 Bolts, 3—112294 Studs, 3—112295 Dowels, 3—64D-09 Nuts & 4—106547 Washers.

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



**DIFFERENTIAL AND CARRIER ASSEMBLY**  
For Serial: Cummins - 3TC101 & after. G.M. - 4TG105 & after

TS-4270

52A1

(189)

52A1



**DIFFERENTIAL AND CARRIER ASSEMBLY  
For Serial: Cummins — 3TC101 and after  
G.M. — 4TG105 and after**

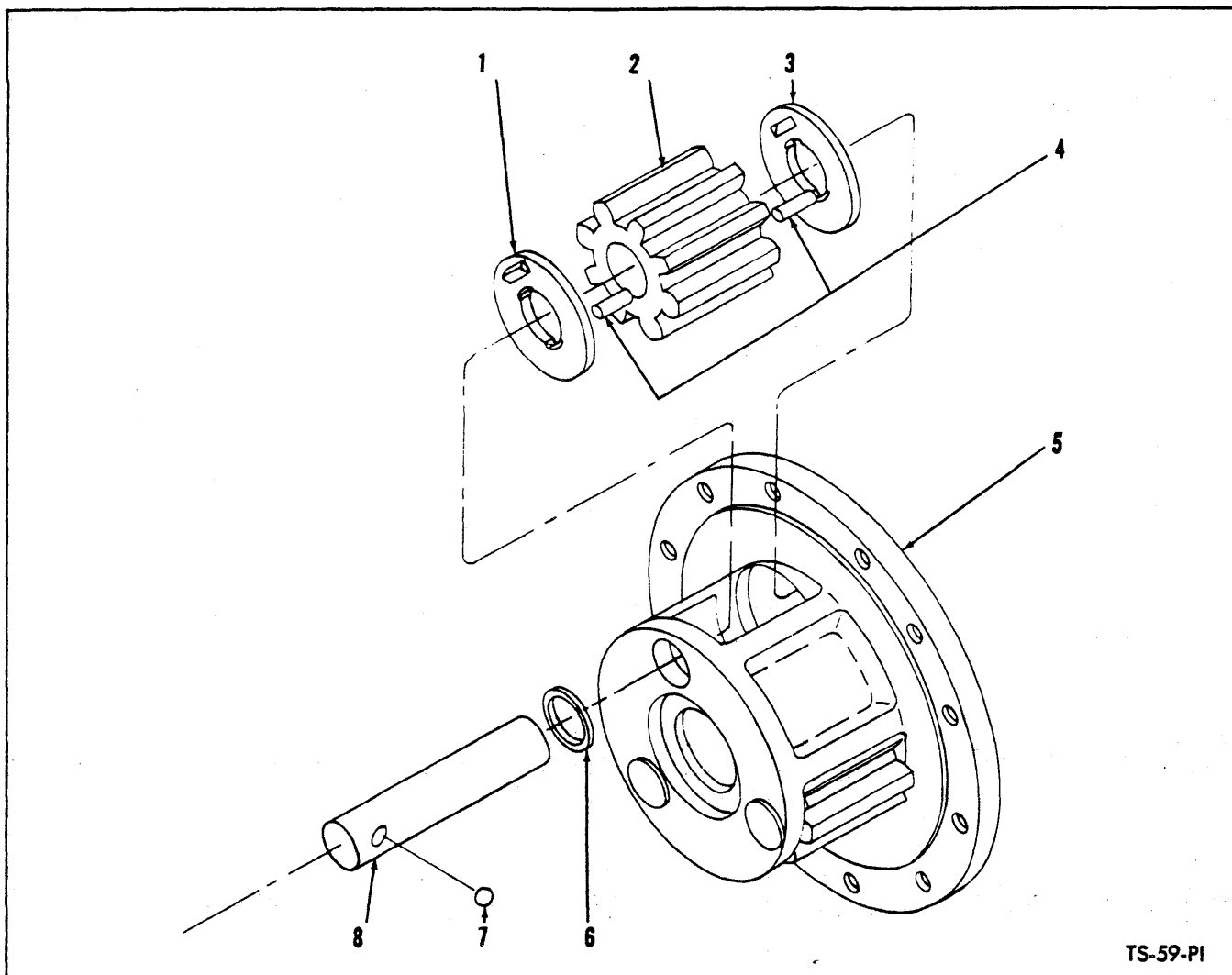
Item No.	Part No.	Description	No. Req'd.
A	815813	* DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 44)	1
1	110539	NUT, Differential Adjusting	2
2	100941	LOCK, Differential Adjusting Nut	2
3	4E-06	LKWSHR, Differential Adjusting Nut Lock	2
4	3C-614	BOLT, Differential Adjusting Nut Lock	2
5	675255	CUP, Differential Bearing	2
6	742261	CONE, Differential Bearing	2
7	110523	NUT, Ring Gear	12
8	-----	§DIFF. CASE — Flange Half (See 44)	1
9	-----	§RING GEAR (See 43)	1
10	110522	BOLT, Ring Gear	12
11	119139	WASHER, Side Gear Thrust	2
12	119138	WASHER, Differential Pinion Thrust	4
13	815747	** PINION, Differential	1
14	110529	SPIDER, Differential	1
15	110528	GEAR, Differential Side	2
16	-----	§DIFF. CASE, Plain Half (See 44)	1
17	110532	BOLT, Differential Case	8
18	224083	RING, Inner Pinion Bearing Retaining	1
19	774199	BEARING, Inner Pinion	1
20	-----	§GEAR, Pinion (See 43)	1
21	110536	BOLT, Differential Carrier Cap	4
21A	111658	†WASHER, Differential Carrier Cap	4
22	-----	§CAP, Differential Carrier (See 23)	2
23	815780	* CARRIER ASSY, Differential (Inc. 21, 21A, 22)	1
24	710034	CONE, Center Pinion Bearing	1
25	710035	CUP, Center Pinion Bearing	1
26	110543	‡SHIM, Pinion Bearing Cage — .004	—
26A	110544	‡SHIM, Pinion Bearing Cage — .007	—
26B	110545	‡SHIM, Pinion Bearing Cage — .010	—
27	111691	CAGE ASSY, Pinion Bearing (Inc. 25, 38)	1
28	774197	CONE, Outer Pinion Bearing	1
29	111695	RETAINER, Pinion Oil Seal	1
29A	1C-916	†BOLT, Pinion Oil Seal Retainer Hole Plug	4
30	111750	SEAL, Pinion Oil	1
31	107978	WASHER, Pinion Shaft Nut	1
32	107977	NUT, Pinion Shaft	1
33	1F-748	COTTER, Pinion Shaft Nut	1
34	111694	FLANGE, Companion	1
35	1C-1036	BOLT, Oil Seal Retainer to Carrier	8
36	4E-10	LKWSHR, Oil Seal Retainer to Carrier	8
37	110541	GASKET, Oil Seal Retainer	1
38	774198	CUP, Outer Pinion Bearing	1
39	25K-40616	"O" RING, Pinion Bearing Cage	1
40	815377	SPACER & SHIM KIT, Pinion Bearing	1
41	119437	DIFFERENTIAL ASSY (Inc. 7 thru 17, 20)	1
42	119431	DIFF. BODY SUB-ASSY (Inc. 8, 11 thru 17)	1
43	114201	GEAR & PINION SET (Inc. 9, 20)	1
44	815786	DIFF. CASE KIT (Inc. 8, 16, 17)	1

§Not Sold Separately  
†Not Illustrated  
‡As Required

\*NOTE: 815813 & 815780 also includes 4-117336 Studs, 4-119141 Dowels & 4-64D-10 Nuts for Mounting.

\*\*NOTE: 815747 includes 4-110527 Pinions.

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



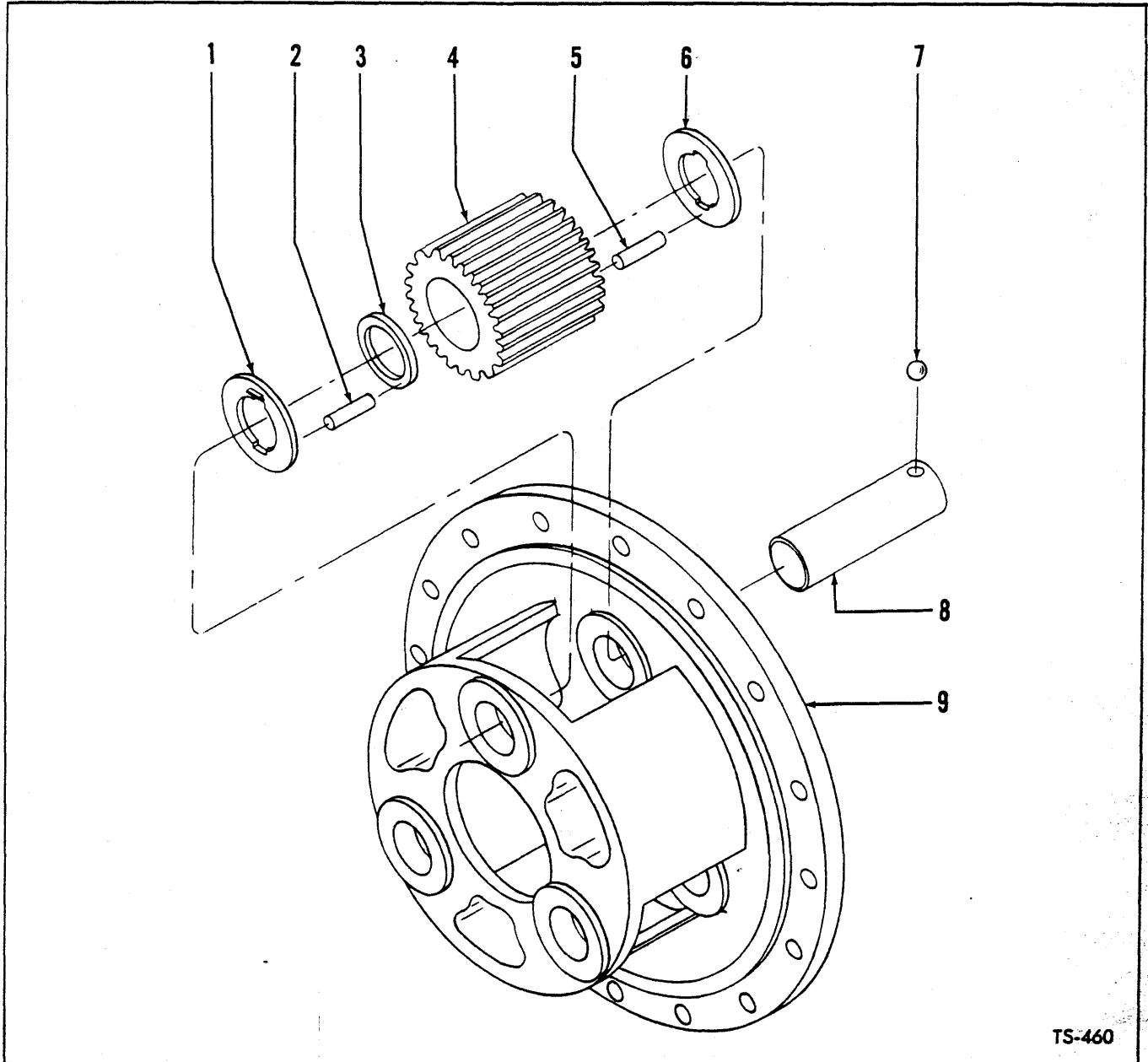
**PLANET SPIDER ASSEMBLY**

For Serial: Cummins — 44123 thru 44299,  
ITC100 thru ITC102, 2TC1 thru 2TC999  
G.M. — 2TG101 thru 4TG104

Item No.	Part No.	Description	No. Req'd.
A	945125	*PLANET SPIDER ASSY (Inc. 1 thru 8)	2
1	106357	WASHER, Pinion Thrust	6
2	106356	PINION, Planet	6
3	106357	WASHER, Pinion Thrust	6
4	106358	ROLLER, Pinion Needle	300
5	945126	*SPIDER, Planet	2
6	106359	SPACER, Pinion Roller	6
7	10J-12	BALL, Pinion Shaft Lock	6
8	106355	SHAFT, Pinion	6

\*NOTE: 945125 & 945126 Also includes 5-113016 Studs, 5-112287 Dowels, 5-64D-08 Nuts & 5-106762 Washers to replace existent Spider to Hub Bolts.

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



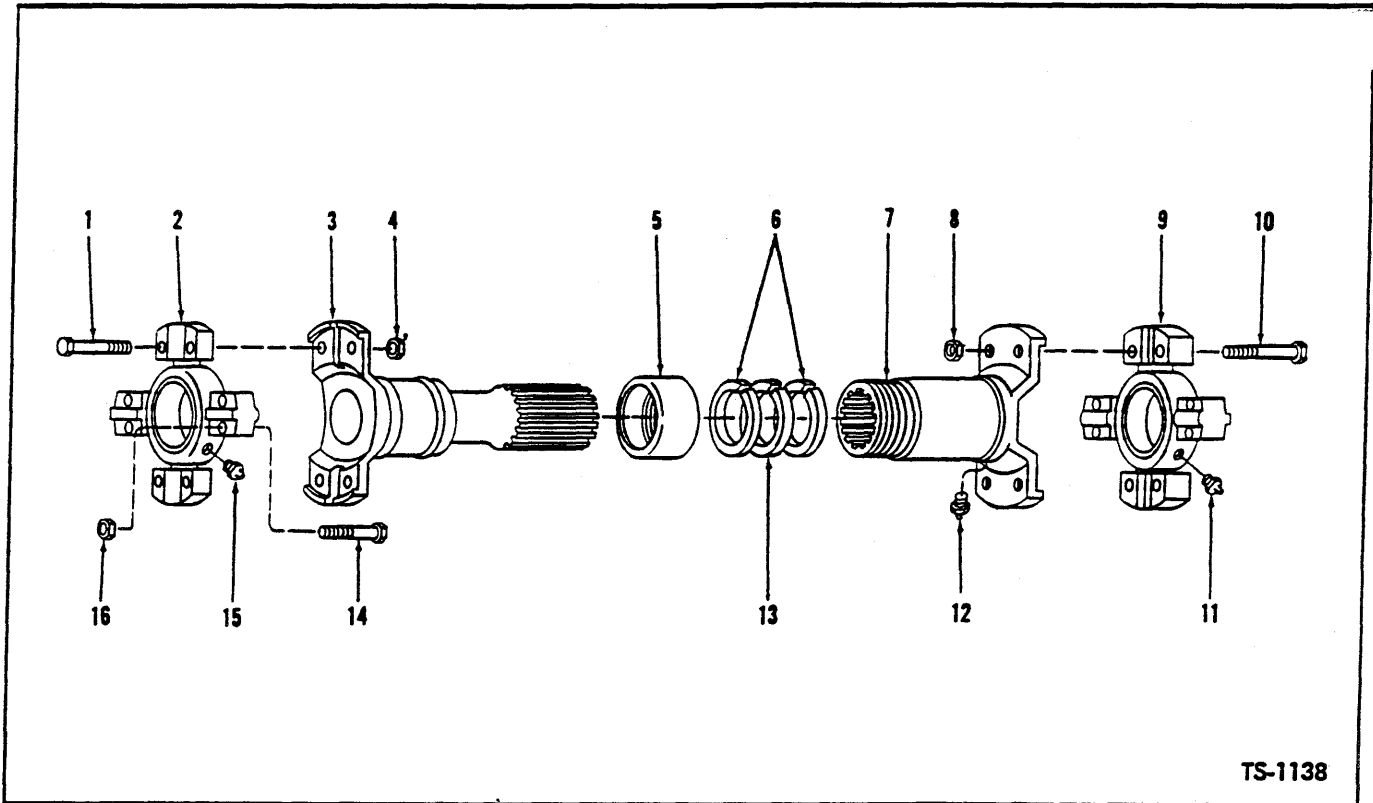
TS-460

**PLANET CARRIER ASSEMBLY**  
**For Serial: Cummins — 3TC101 and after**  
**G.M. — 4TG105 and after**

2 Planet Carriers used on machine — Quantities listed below are for 1 Planet Carrier

Item No.	Part No.	Description	No. Req'd.
A	113017	CARRIER ASSY (Inc. 1 thru 9) .....	2
1	106357	WASHER, Pinion Thrust .....	3
2	106358	ROLLER, Pinion .....	75
3	106359	SPACER, Pinion Roller .....	3
4	106356	PINION .....	3
5	106358	ROLLER, Pinion .....	75
6	106357	WASHER, Pinion Thrust .....	3
7	10J-12	BALL, Pinion Shaft Lock .....	3
8	106355	SHAFT, Pinion .....	3
9	113018	CARRIER, Planet .....	1

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



TS-1138

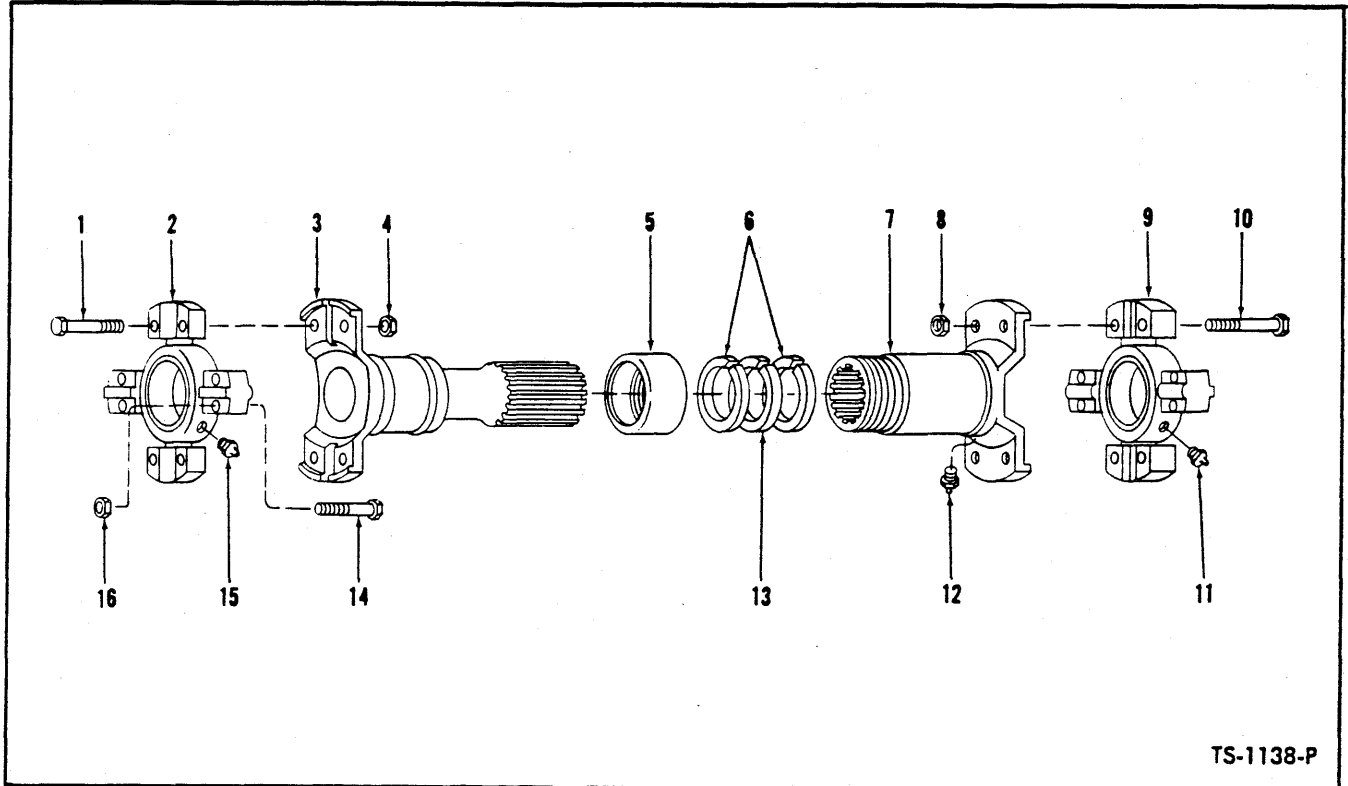
**PROPELLER SHAFTS**

For Serial 2TG101 thru 3TG999

Item No.	Converter to Transmission	Transmission to Axle	Description	No. Req'd.
A	581731	551382	PROP SHAFT ASSY (Inc. 1 thru 16)	1
1	940089	940229	BOLT, Spider & Bearing to Tube	4
2	944862	941573	SPIDER & BEARING (Inc. 2A)	1
2A	944861	941509	†SEAL, Spider & Bearing Grease	4
3	944871	945252	TUBE	1
4	8D-06	8D-08	NUT, Spider & Bearing to Tube	4
5	940090	940256	RETAINER, Felt	1
6	940091	940257	WASHER, Felt Retainer	2
7	940093	940227	SLIP YOKE	1
8	8D-06	8D-08	NUT, Spider & Bearing to Slip Yoke	4
9	944862	941573	SPIDER & BEARING (Inc. 9A)	1
9A	944861	941509	†SEAL, Spider & Bearing Grease	4
10	940089	940229	BOLT, Spider & Bearing to Slip Yoke	4
11	10H-35	10H-35	FITTING, Spider & Bearing Grease	1
12	10H-25	10H-25	FITTING, Slip Yoke Grease	1
13	940092	940259	WASHER, Felt	1
14	940089	940229	BOLT, Spider & Bearing Attaching	8
15	10H-35	10H-35	FITTING, Spider & Bearing Grease	1
16	8D-06	8D-08	NUT, Spider & Bearing Attaching	8

†Not Illustrated

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



TS-1138-P

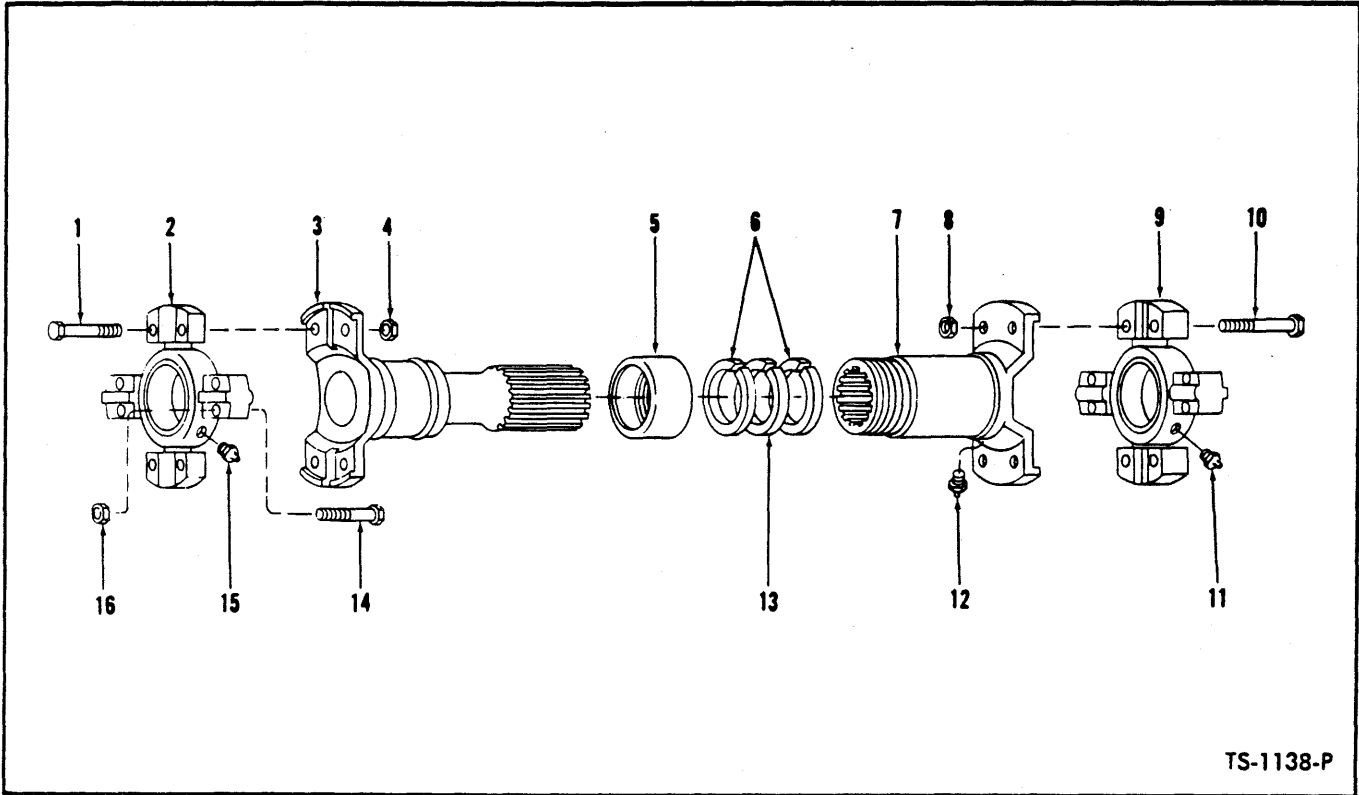
**PROPELLER SHAFTS**

For Serial: Cummins - 3TC101 and after  
G.M. - 4TG105 and after

Item No.	Converter to Transmission	Transmission to Axle	Description	No. Req'd.
A	592005	586124	PROP SHAFT ASSY (Inc. 1 thru 16)	1
1	940089	940229	BOLT, Spider & Bearing to Tube	4
2	941572	941573	SPIDER & BEARING (Inc. 2A)	1
2A	940249	941509	†SEAL, Spider & Bearing Grease	4
3	943628	945807	TUBE	1
4	8D-06	8D-08	NUT, Spider & Bearing to Tube	4
5	940090	940256	RETAINER, Felt	1
6	940091	940257	WASHER, Felt Retainer	2
7	940093	940227	SLIP YOKE	1
8	8D-06	8D-08	NUT, Spider & Bearing to Slip Yoke	4
9	941572	941573	SPIDER & BEARING (Inc. 9A)	1
9A	940249	941509	†SEAL, Spider & Bearing Grease	4
10	940089	940229	BOLT, Spider & Bearing to Slip Yoke	4
11	10H-35	10H-35	FITTING, Spider & Bearing Grease	1
12	10H-25	10H-25	FITTING, Slip Yoke Grease	1
13	940092	940259	WASHER, Felt	1
14	940089	940229	BOLT, Spider & Bearing Attaching	8
15	10H-35	10H-35	FITTING, Spider & Bearing Grease	1
16	8D-06	8D-08	NUT, Spider & Bearing Attaching	8

†Not Illustrated

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



TS-1138-P

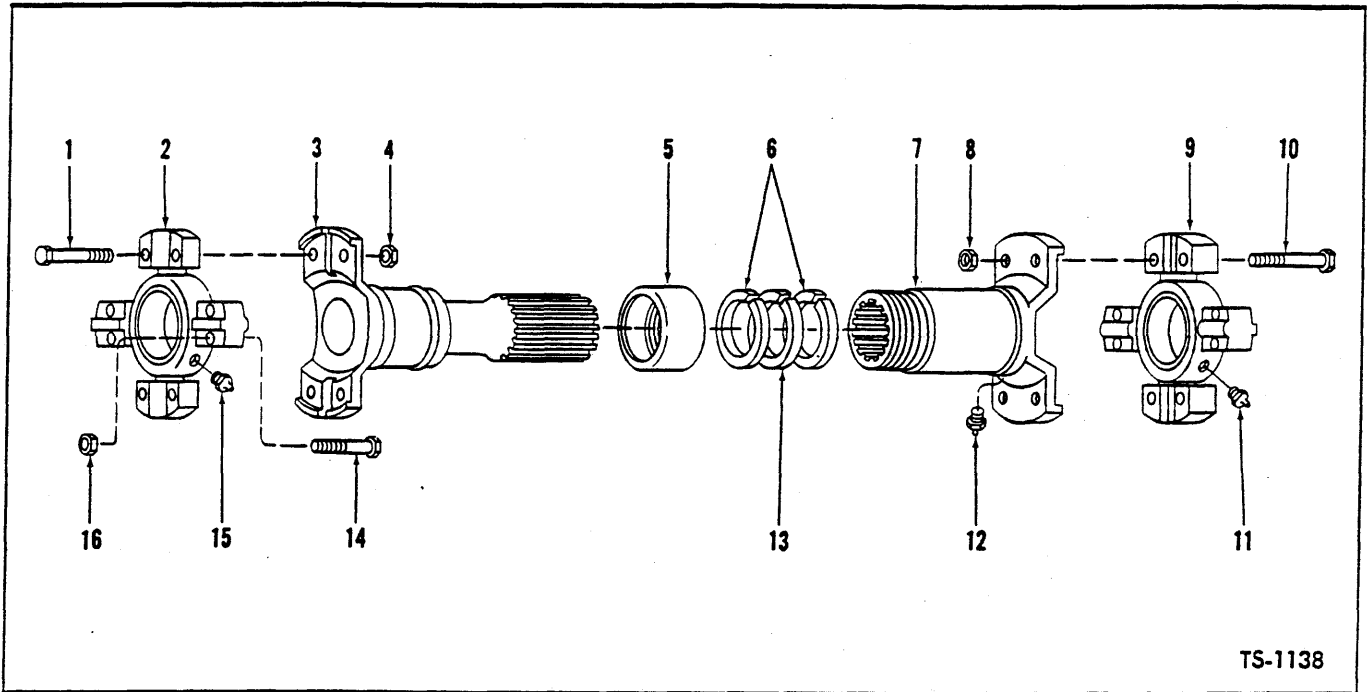
**PROPELLER SHAFTS**

**For Serial: Cummins — 44123 thru 44299, ITC100 thru ITC102, 2TC1 thru 2TC999  
G.M. — 2TG101 thru 4TG104**

Item No.	Converter to Transmission	Transmission to Axle	Description	No. Req'd.
A	592005	549259	PROP SHAFT ASSY (Inc. 1 thru 16)	1
1	940089	940229	BOLT, Spider & Bearing to Tube	4
2	944862	941573	SPIDER & BEARING (Inc. 2A)	1
2A	940249	941509	†SEAL, Spider & Bearing Grease	4
3	943628	945252	TUBE	1
4	8D-06	8D-08	NUT, Spider & Bearing to Tube	4
5	940090	940256	RETAINER, Felt	1
6	940091	940257	WASHER, Felt Retainer	2
7	940093	940227	SLIP YOKE (Inc. 12)	1
8	8D-06	8D-08	NUT, Spider & Bearing to Slip Yoke	4
9	944862	941573	SPIDER & BEARING (Inc. 9A)	1
9A	944861	941509	†SEAL, Spider & Bearing Grease	4
10	940089	940229	BOLT, Spider & Bearing to Slip Yoke	4
11	944688	10H-35	FITTING, Spider & Bearing Grease	1
12	10H-25	10H-25	FITTING, Slip Yoke Grease	1
13	940092	940259	WASHER, Felt	1
14	940089	940229	BOLT, Spider & Bearing Attaching	8
15	944688	10H-35	FITTING, Spider & Bearing Grease	1
16	8D-06	8D-08	NUT, Spider & Bearing Attaching	8

†Not Illustrated

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



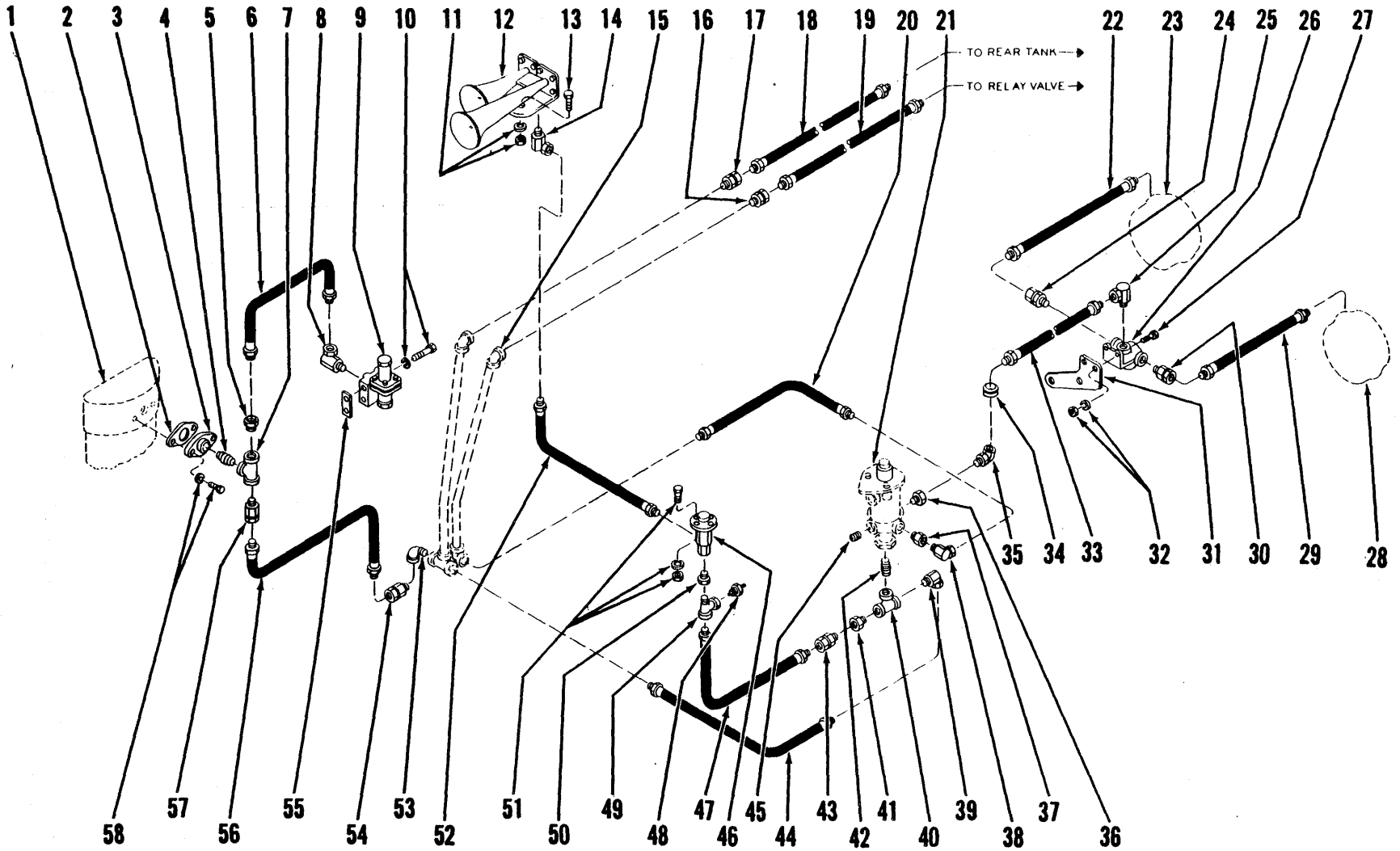
TS-1138

**PROPELLER SHAFT—TRANSMISSION TO AXLE**  
**Serial 3TC101 thru 3TC999, 4TG105 thru 4TG999.**

Item No.	Part No.	Description	No. Req'd.
A	586124	PROPELLER SHAFT ASSY (Inc. 1 thru 16) .....	1
1	18 C 838	BOLT, Spider & Bearing to Tube.....	4
2	941573	SPIDER & BEARING (Inc. 2A) .....	1
2A	941509	†SEAL, Spider & Bearing Grease .....	4
3	945807	TUBE .....	1
4	8D-08	NUT, Spider & Bearing to Tube .....	4
5	940256	RETAINER, Felt .....	1
6	940257	WASHER, Felt Retainer .....	1
7	940227	SLIP YOKE .....	1
8	8D-08	NUT, Spider & Bearing to Slip Yoke .....	1
9	941573	SPIDER & BEARING (Inc. 9A) .....	1
9A	941509	†SEAL, Spider & Bearing Grease .....	4
10	940229	BOLT, Spider & Bearing to Slip Yoke .....	4
11	10H-35	FITTING, Spider & Bearing Grease .....	1
12	10H-25	FITTING, Slip Yoke Grease .....	1
13	940259	WASHER, Felt .....	1
14	940229	BOLT, Spider & Bearing Grease .....	8
15	10H-35	FITTING, Spider & Bearing Grease .....	1
16	8D-08	NUT, Spider & Bearing Attaching .....	8

†Not Illustrated

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



BRAKE AIR LINES - TRACTOR - CUMMINS

TS-1233-P

56.1

(1819)

PM 1480



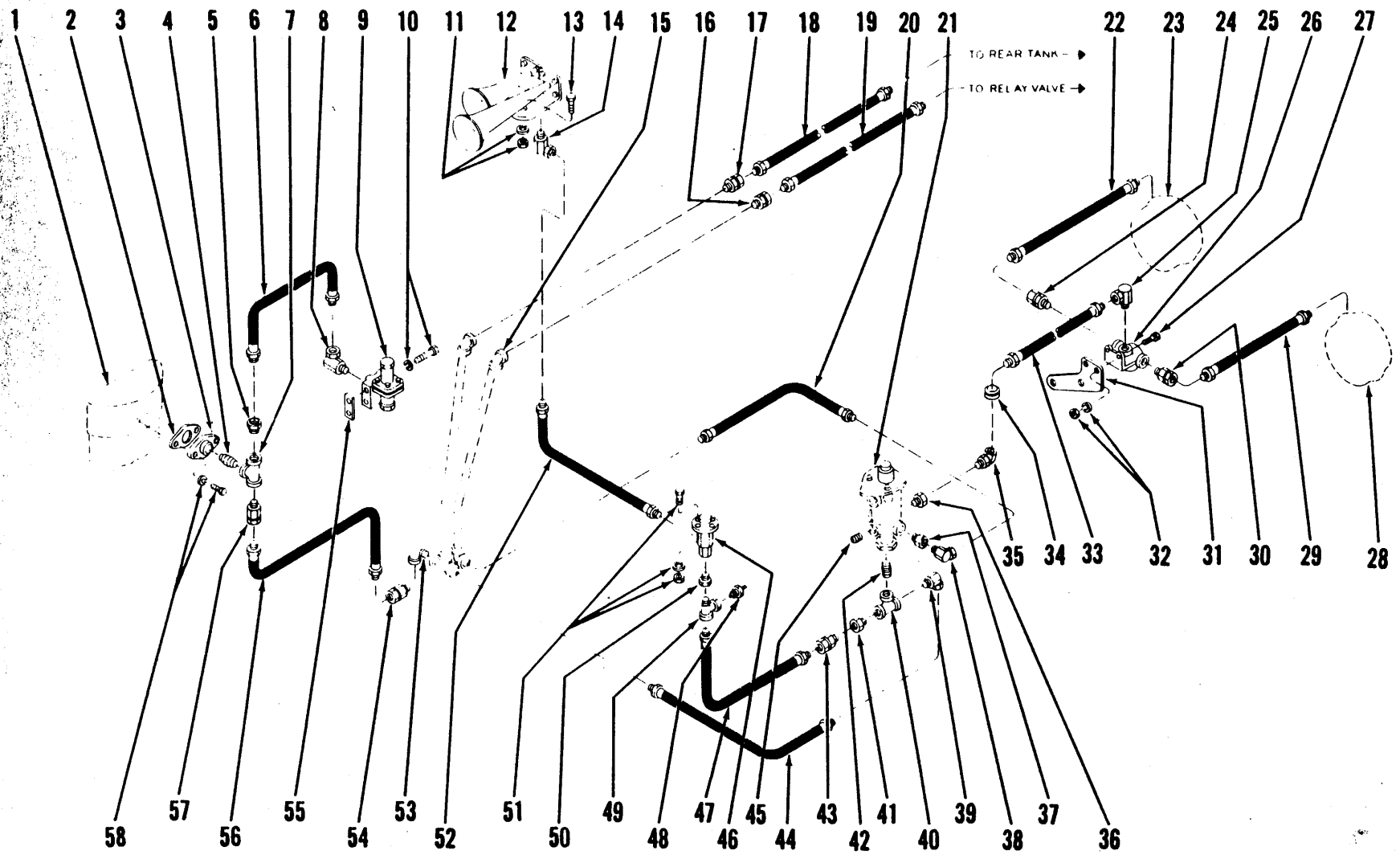
**BRAKE AIR LINES — TRACTOR — CUMMINS**

Item No.	Part No.	Description	No. Req'd.
1	-----	AIR COMPRESSOR — See Cummins Engine Parts Book	—
2	951948	*GASKET, Discharge Flange—B.W. #204820	1
3	510452	*FITTING, Discharge—B.W. #213042	1
4	5K-409	NIPPLE, Tee to Discharge Fitting	1
5	356616	BUSHING, Tee Reducing	1
6	593650	HOSE, Tee to Governor	1
7	18F-4	TEE, Air Compressor	1
8	31F-1	ADAPTOR UNION, Hose to Governor	1
9	540306	*GOVERNOR, Comp.—B.W. 275200	1
10	17C-548	BOLT, Governor to Compressor	2
10A	4E-05	LKWSHR, Governor to Compressor	2
11	18D-05	NUT, Air Horn Attaching	1
11A	4E-05	LKWSHR, Air Horn Attaching	1
12	593388	*HORN, Air—B.W. #223585	1
13	2C-508	BOLT, Air Horn Attaching	1
14	31F-1	ADAPTOR UNION, Hose to Horn	1
15	594266	PIPE	1
16	36F-3	ADAPTOR UNION, Hose to Pipe	1
17	36F-4	ADAPTOR UNION, Hose to Pipe	1
18	593484	HOSE, Pipe to Rear Tank Line	1
19	593448	HOSE, Pipe to Relay Line	1
20	592741	HOSE, Foot Valve to Pipe	1
21	-----	BRAKE CONTROLS — See Index	—
22	593265	HOSE, Q.R.V. to Air Chamber	1
23	-----	AIR CHAMBER — See Index	—
24	36F-2	ADAPTOR UNION, Hose to Q.R.V.	1
25	31F-3	ADAPTOR UNION, Hose to Q.R.V.	1
26	507816	*VALVE, Quick Release—B.W. #205000	1
27	18C-512	BOLT, Q.R.V. to Bracket	2
28	-----	AIR CHAMBER — See Index	—
29	593265	HOSE, Q.R.V. to Air Chamber	1

Item No.	Part No.	Description	No. Req'd.
30	36F-2	ADAPTOR UNION, Hose to Q.R.V.	1
31	593262	BRACKET, Quick Release Valve	1
32	18D-05	NUT, Q.R.V. to Bracket	2
32A	4E-05	LKWSHR, Q.R.V. to Bracket	2
33	594339	HOSE, Foot Valve to Q.R.V.	1
34	552438	GROMMET, Hose	1
35	33F-3	ADAPTOR UNION, Hose to Ft. Valve	1
36	356614	BUSHING, Foot Valve Reducing	1
37	356614	BUSHING, Foot Valve Reducing	1
38	31F-3	ADAPTOR UNION, Hose to Ft. Valve	1
39	31F-4	ADAPTOR UNION, Hose to Tee	1
40	18F-4	TEE, Foot Valve	1
41	356615	BUSHING, Tee Reducing	1
42	5K-409	NIPPLE, Tee to Foot Valve	1
43	36F-2	ADAPTOR UNION, Hose to Tee	1
44	592742	HOSE, Pipe to Foot Valve	1
45	13F-08	PLUG, Foot Valve	2
46	530663	*VALVE, Horn—B.W. #228672	1
47	593265	HOSE, Foot Valve to Horn	1
48	940643	SENDER UNIT, Air Pressure	1
49	17F-2	TEE, Horn Valve	1
50	356614	BUSHING, Horn Valve Reducing	1
51	2C-412	BOLT, Valve Attaching	4
51A	18D-04	NUT, Valve Attaching	4
51B	4E-04	LKWSHR, Valve Attaching	4
52	594306	HOSE, Horn Valve to Horn	1
53	26F-4	ELBOW, Check Valve to Pipe	1
54	593370	*VALVE, Check—B.W. #228194	1
55	942646	*GASKET, Governor—B.W. 236577	1
56	593280	HOSE, Compressor to Pipe	1
57	36F-4	ADAPTOR UNION, Hose to Tee	1
58	17C-516	BOLT, Discharge Fitting	2
58A	4E-05	LKWSHR, Discharge Fitting	2

\*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 AIR LINES - TRACTOR - G.M.  
For Serial 2TG101 thru 2TG999

TS-1233

56A.1

(1B21)

PM 1480

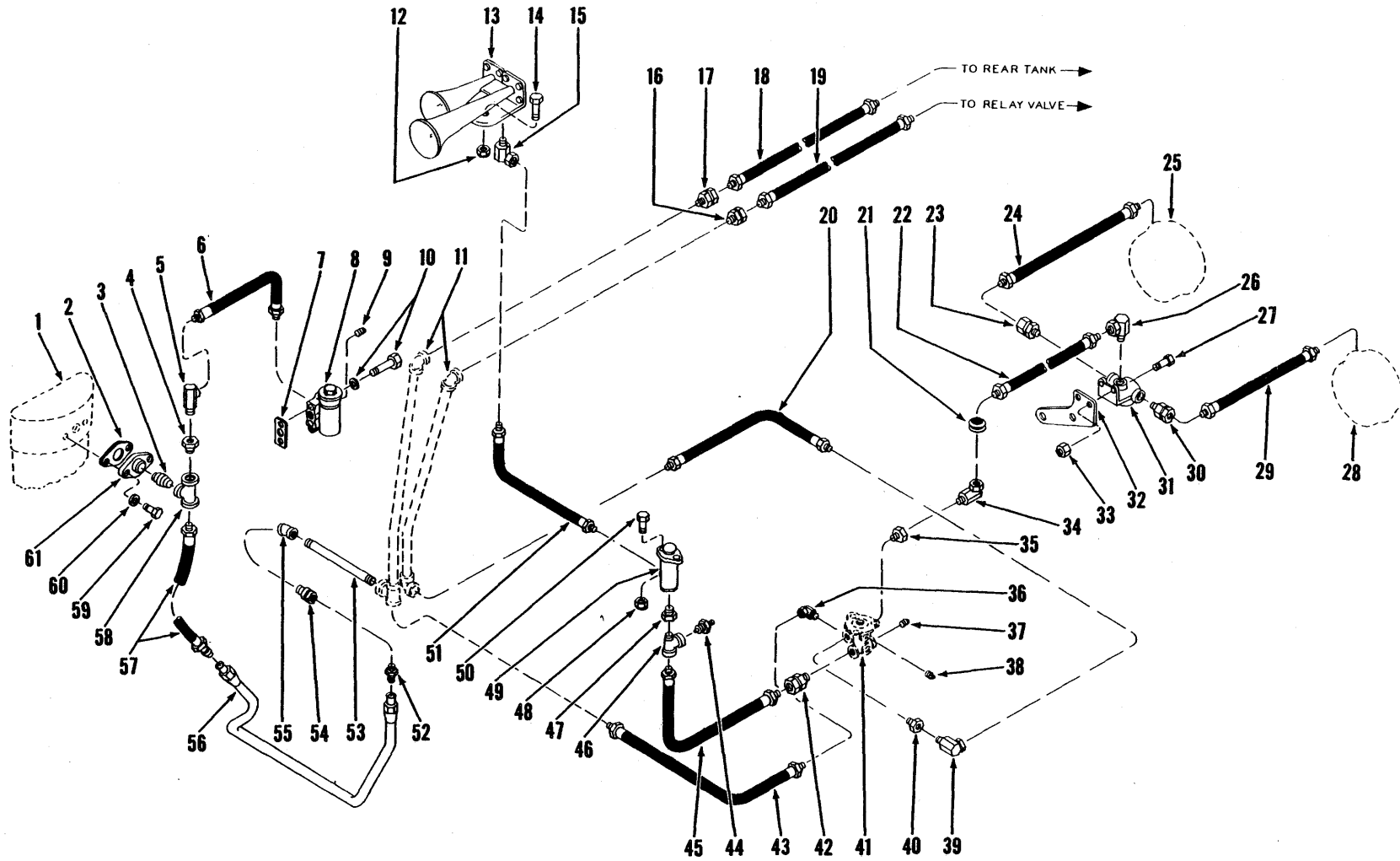
**BRAKE AIR LINES — TRACTOR — G.M.**

For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	AIR COMPRESSOR — See G.M. Engine Parts Book	—	30	36F-2	ADAPTER UNION, Hose to Q.R.V.	1
2	951948	*GASKET, Discharge Flange—B.W. #204820	1	31	593262	BRACKET, Quick Release Valve	1
3	510452	*FITTING, Discharge—B.W. #213042	1	32	18D-05	NUT, Q.R.V. to Bracket	2
4	5K-409	NIPPLE, Tee to Discharge Fitting	1	32A	—	OMIT, Not applicable this model	—
5	356616	BUSHING, Tee Reducing	1	33	594339	HOSE, Foot Valve to Q.R.V.	1
6	593650	HOSE, Tee to Governor	1	34	552438	GROMMET, Hose	1
7	18F-4	TEE, Air Compressor	1	35	33F-3	ADAPTER UNION, Hose to Ft. Valve	1
8	31F-1	ADAPTER UNION, Hose to Governor	1	36	356614	BUSHING, Foot Valve Reducing	1
9	540306	*GOVERNOR, Comp. — B.W. 275200	1	37	356614	BUSHING, Foot Valve Reducing	1
10	17C-548	BOLT, Governor to Compressor	2	38	31F-3	ADAPTER UNION, Hose to Ft. Valve	1
10A	4E-05	LKWSHR, Governor to Compressor	2	39	31F-4	ADAPTER UNION, Hose to Tee	1
11	18D-05	NUT, Air Horn Attaching	1	40	18F-4	TEE, Foot Valve	1
11A	—	OMIT, Not applicable this model	—	41	356615	BUSHING, Tee Reducing	1
12	593388	*HORN, Air—B.W. #223585	1	42	5K-409	NIPPLE, Tee to Foot Valve	1
13	18C-508	BOLT, Air Horn Attaching	1	43	36F-2	ADAPTER UNION, Hose to Tee	1
14	31F-1	ADAPTER UNION, Hose to Horn	1	44	592742	HOSE, Pipe to Foot Valve	1
15	594266	PIPE	1	45	13F-08	PLUG, Foot Valve	2
16	36F-3	ADAPTER UNION Hose to Pipe	1	46	530663	*VALVE, Horn—B.W. #228672	1
17	36F-4	ADAPTER UNION, Hose to Pipe	1	47	593265	HOSE, Foot Valve to Horn	1
18	593484	HOSE, Pipe to Rear Tank Line	1	48	940643	SENDER UNIT, Air Pressure	1
19	593448	HOSE, Pipe to Relay Line	1	49	17F-2	TEE, Horn Valve	1
20	592741	HOSE, Foot Valve to Pipe	1	50	356611	BUSHING, Horn Valve Reducing	1
21	—	BRAKE CONTROLS — See Index	—	51	18C-412	BOLT, Valve Attaching	4
22	593265	HOSE, Q.R.V. to Air Chamber	1	51A	18D-04	NUT, Valve Attaching	4
23	—	AIR CHAMBER — See Index	—	51B	—	OMIT, Not applicable this model	—
24	36F-2	ADAPTER UNION, Hose to Q.R.V.	1	52	593435	HOSE, Horn Valve to Horn	1
25	31F-3	ADAPTER UNION, Hose to Q.R.V.	1	53	26F-4	ELBOW, Check Valve to Pipe	1
26	507816	*VALVE, Quick Release—B.W. #205000	1	54	593370	*VALVE, Check—B.W. #228194	1
27	18C-512	BOLT, Q.R.V. to Bracket	2	55	942646	*GASKET, Governor—B.W. #223577	1
28	—	AIR CHAMBER — See Index	—	56	593280	HOSE, Compressor to Pipe	1
29	593265	HOSE, Q.R.V. to Air Chamber	1	57	36F-4	ADAPTER UNION, Hose to Tee	1
				58	17C-516	BOLT, Discharge Fitting	1
				58A	4E-05	LKWSHR, Discharge Fitting	1

\*NOTE: Your local authorized Bendix-Westinghouse Distributor is equipped to service components of this part.

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



BRAKE AIR LINES - TRACTOR - G.M.  
For Serial: 3TG101 thru 3TG999

TS-3676

56B.1

(1B23)

PM 1480

**BRAKE AIR LINES — TRACTOR — G.M.**

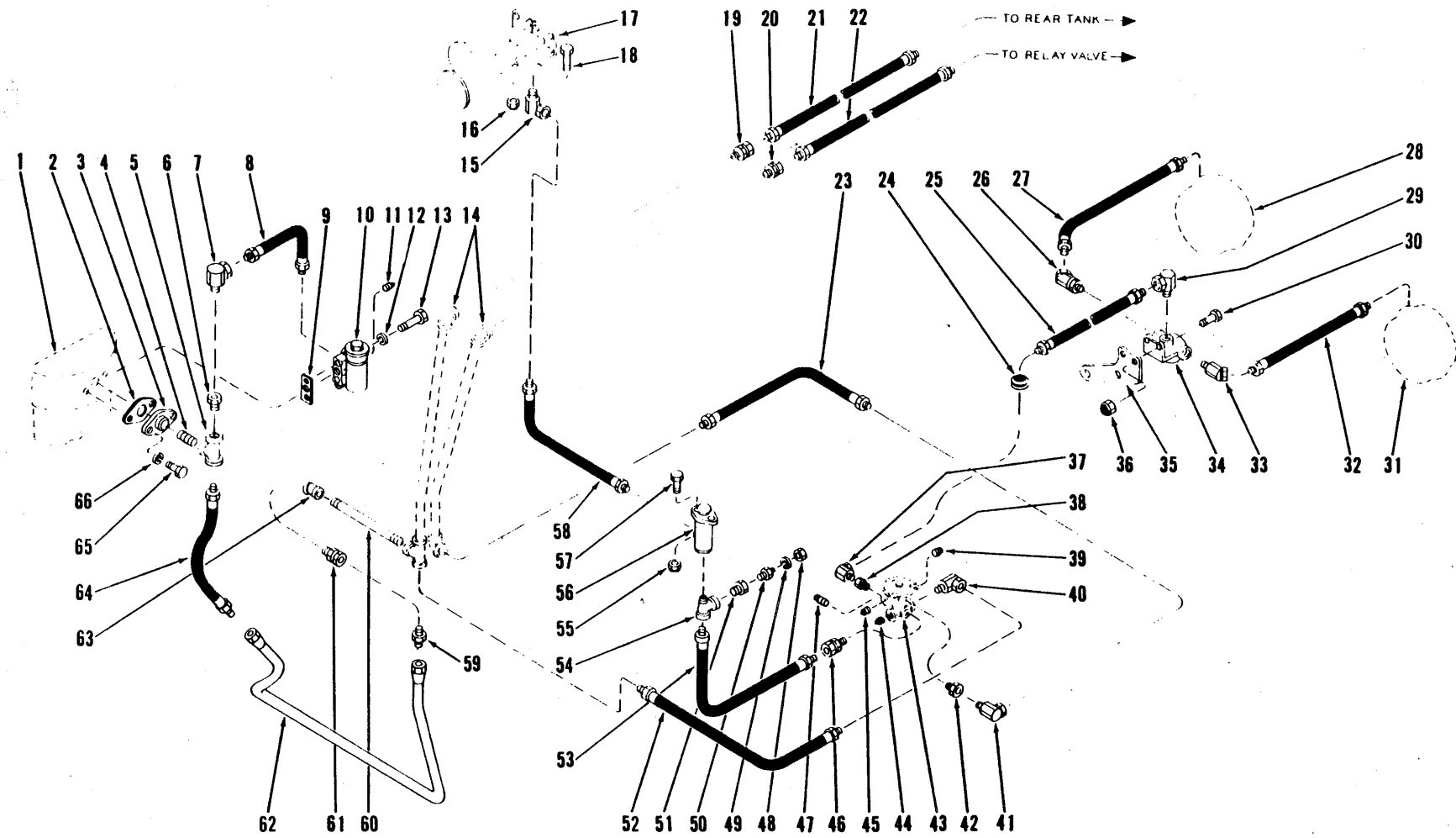
For Serial 3TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	AIR COMPRESSOR — See G.M. Engine Parts Manual	—	31	507816	*VALVE, Quick Release — B.W. #205000	1
2	951948	*GASKET, Discharge Flange — B.W. #204820	1	32	593262	BRACKET, Quick Release Valve Mounting	1
3	5K-412	NIPPLE, Tee to Discharge Fitting	1	33	18D-05	NUT, Q.R.V. to Bracket	2
4	356616	BUSHING, Tee Reducing	1	34	31F-3	ADAPTER UNION, Hose to Foot Valve	1
5	31F-1	ADAPTER UNION	1	35	356614	BUSHING, Foot Valve Reducing	1
6	540916	HOSE, Tee to Governor	1	36	31F-4	ADAPTER UNION, Hose to Foot Valve	1
7	942646	*GASKET, Governor—B.W. #236577	1	37	13F-04	PLUG, Brake Valve	1
8	540306	*GOVERNOR, Comp.—B.W. #275200	1	38	13F-08	PLUG, Brake Valve	3
9	13F-02	PLUG, Governor	1	39	31F-3	ADAPTER UNION, Hose to Foot Valve	1
10	17C-548	BOLT, Governor to Compressor	2	40	356614	BUSHING, Reducing	1
10A	4E-05	LKWSHR, Governor to Compressor	2	41	—	BRAKE CONTROLS—See Index	—
11	583639	PIPE	1	42	36F-2	ADAPTER UNION, Hose to Foot Valve	1
12	18D-05	NUT, Air Horn Attaching	1	43	592742	HOSE, Pipe to Foot Valve	1
13	593388	*HORN, Air—B.W. #223585	1	44	940643	SENDER UNIT, Air Pressure	1
14	18C-508	BOLT, Air Horn Attaching	1	45	593265	HOSE, Foot Valve to Horn Valve	1
15	31F-1	ADAPTER UNION, Hose to Horn	1	46	17F-2	TEE, Horn Valve	1
16	36F-3	ADAPTER UNION, Hose to Pipe	1	47	356611	BUSHING, Horn Valve Reducing	1
17	36F-4	ADAPTER UNION, Hose to Pipe	1	48	18D-04	NUT, Horn Valve Attaching	2
18	593484	HOSE, Pipe to Rear Tank Line	1	49	530663	*VALVE, Horn—B.W. #228672	1
19	593448	HOSE, Pipe to Relay Line	1	50	18C-412	BOLT, Horn Valve Attaching	2
20	592741	HOSE, Foot Valve to Pipe	1	51	593435	HOSE, Horn Valve to Horn	1
21	552438	GROMMET, Hose	1	52	38F-10	CONNECTOR, Tube	1
22	594339	HOSE, Foot Valve to Q.R.V.	1	53	639739	NIPPLE, Tube Pipe	1
23	36F-2	ADAPTER UNION, Hose to Q.R.V.	1	54	593370	*VALVE, Check—B.W. #228194	1
24	593265	HOSE, Q.R.V. to Air Chamber	1	55	23F-4	ELBOW, Pipe Nipple to Tube	1
25	—	AIR CHAMBER — See Index	—	56	585682	**TUBE, Pipe Nipple to Hose	1
26	31F-3	ADAPTER UNION, Hose to Q.R.V.	1	57	540873	HOSE, Compressor to Tube	1
27	18C-512	BOLT, Q.R.V. to Bracket	2	58	18F-4	TEE, Air Compressor	1
28	—	AIR CHAMBER — See Index	—	59	17C-516	BOLT, Discharge Fitting	2
29	593265	HOSE, Q.R.V. to Air Chamber	1	60	4E-05	LKWSHR, Discharge Fitting	2
30	36F-2	ADAPTER UNION, Hose to Q.R.V.	1	61	510452	FITTING, Discharge—B.W. #213042	1

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

\*\*NOTE: When installing 585682 on machines Serial 3TG101 thru 3TG115, use one 23F-4 Elbow and one 639739 Pipe Nipple.

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



· BRAKE AIR LINES - TRACTOR - G.M.  
For Serial: 4TG101 & after

TS-5052-P

56C-1

(1C1)

PM 1480

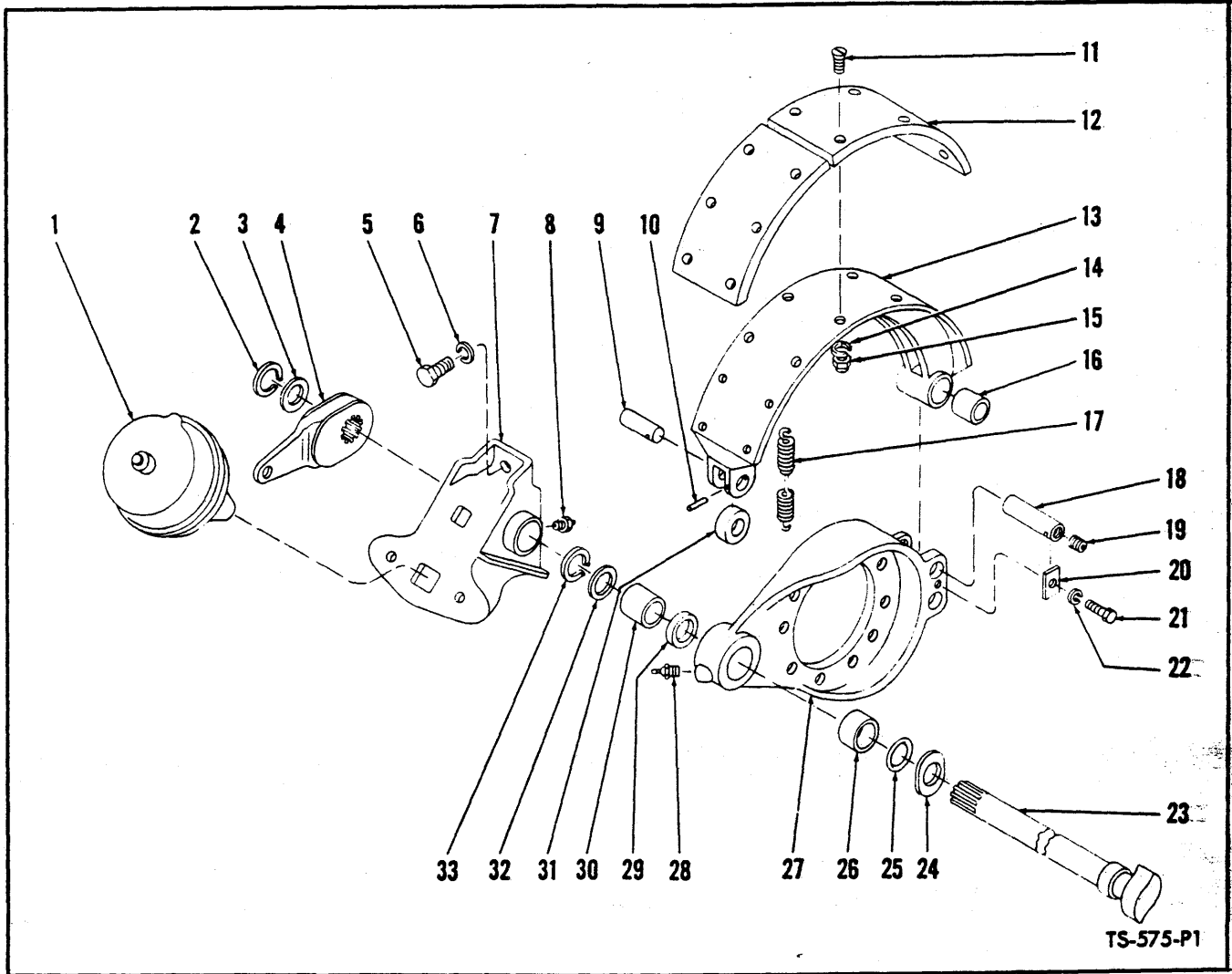
**BRAKE AIR LINES — TRACTOR — G.M.**

**For Serial: 4TG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	———	AIR COMPRESSOR—See G.M. Engine Parts Manual .....	—	35		BRACKET	
2	951948	*GASKET, Discharge Flange — B.W. #204820 .....	1	35A	593262	For Serial 4TG101 thru 4TG104.....	1
3	510452	*FLANGE, Discharge—B.W. #213042..	1	35B	586126	For Serial 4TG105 thru 4TG999.....	1
4	5K-412	NIPPLE, Tee to Discharge Flange .....	1	36	18D-05	NUT, Q.R.V. to Bracket .....	2
5	18F-4	TEE, Air Compressor .....	1	37	31F-3	ADAPTER UNION .....	1
6	356616	BUSHING, Reducing .....	1	38	356614	BUSHING, Reducing .....	1
7	31F-1	ADAPTER UNION .....	1	39	13F-04	PLUG, Brake Valve .....	1
8	540916	HOSE, Tee to Governor .....	1	40	31F-4	ADAPTER UNION, Hose to Foot Valve	1
9	942646	*GASKET, Governor—B.W. #236577..	1	41	31F-3	ADAPTER UNION, Hose to Foot Valve	1
10	540306	*GOVERNOR, Comp.—B.W. #275200	1	42	356614	BUSHING, Reducing .....	1
11	13F-02	PLUG, Governor .....	1	43	———	BRAKE CONTROLS — See Index .....	—
12	4E-05	LKWSHR, Governor to Compressor....	2	44	13F-08	PLUG, Brake Valve .....	1
13	17C-548	BOLT, Governor to Compressor .....	2	45	13F-08	PLUG, Brake Valve .....	1
14	583639	PIPE .....	1	46	36F-2	ADAPTER UNION, Hose to Foot Valve	1
15	31F-1	ADAPTER UNION .....	1	47	13F-08	PLUG, Brake Valve .....	1
16	18D-05	NUT, Horn Mounting .....	1	48	14D-10	NUT, Sender Unit .....	1
17	593388	*HORN, Air—B.W. #223585 .....	1	49	12E-10	LKWSHR, Sender Unit .....	1
18	18C-508	BOLT, Horn Mounting .....	1	50	940643	SENDER UNIT, Air Pressure .....	1
19	36F-4	ADAPTER UNION .....	1	51	356611	BUSHING, Reducing .....	1
20	36F-3	ADAPTER UNION .....	1	52	592742	HOSE, Foot Valve to Pipe .....	1
21	593484	HOSE, Pipe to Rear Tank Line.....	1	53	593265	HOSE, Horn Valve to Brake Valve.....	1
22	593448	HOSE, Pipe-to Relay Valve .....	1	54	17F-2	TEE, Horn Valve .....	1
23	592741	HOSE, Foot Valve to Pipe .....	1	55	18D-04	NUT, Valve Mounting .....	2
24	552438	GROMMET, Hose .....	1	56	530663	*VALVE, Horn—B.W. #228672 .....	1
25	594339	HOSE, Foot Valve to Q.R.V. ....	1	57	18C-412	BOLT, Valve Mounting .....	2
26	33F-2	ADAPTER UNION, Hose to Q.R.V.....	1	58	593435	HOSE, Horn Valve to Horn .....	1
27	593265	HOSE, Q.R.V. to Air Chamber.....	1	59	38F-10	CONNECTOR, Tube .....	1
28	———	AIR CHAMBER — See Index .....	1	60	639739	NIPPLE, Tube Pipe .....	1
29	31F-3	ADAPTER UNION, Hose to Q.R.V.....	1	61	593370	*VALVE, Check—B.W. #228194.....	1
30	18C-512	BOLT, Q.R.V. to Bracket .....	2	62	585682	TUBE, Pipe Nipple to Hose.....	1
31	———	AIR CHAMBER — See Index .....	1	63	23F-4	CONNECTOR, Tube .....	1
32	593265	HOSE, Q.R.V. to Air Chamber .....	1	64	540873	HOSE, Tube to Compressor Tee .....	1
33	33F-2	ADAPTER UNION, Hose to Q.R.V.....	1	65	17C-516	BOLT, Discharge Flange .....	2
34	507816	*VALVE, Quick Release — B.W. #205000 .....	1	66	4E-05	LKWSHR, Discharge Flange .....	2

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

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



**BRAKE ASSEMBLY FRONT**

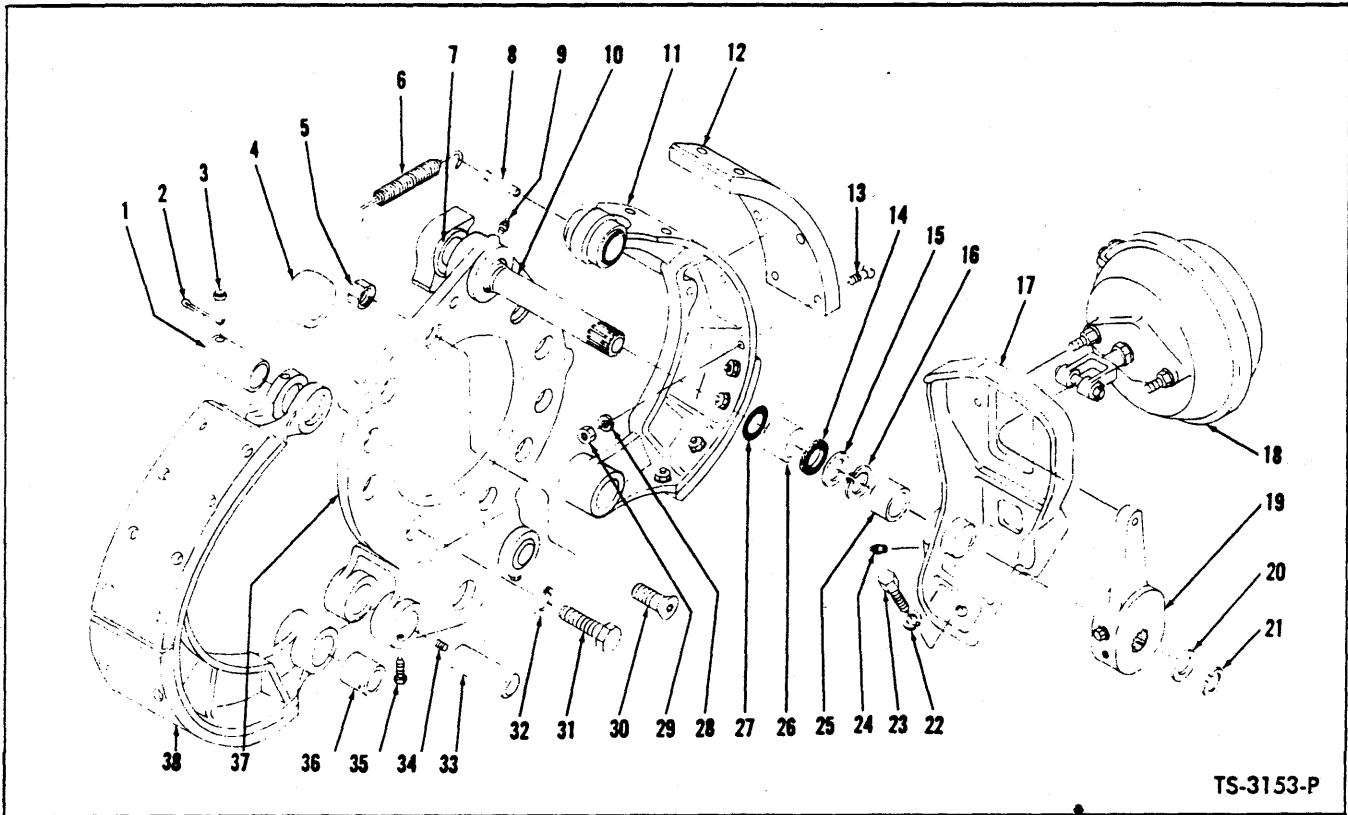
For Serial: 44123 thru 44299, ITC100 thru ITC102

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	815659	KIT, Brake Assy (Inc. 9 thru 22, 27, 31)	2	16	106687	BUSHING, Brake Shoe	8
1	109263	*AIR CHAMBER + B.W. 229380	2	17	114192	SPRING, Brake Shoe Return	2
2	224032	RING, Slack Adjuster Retaining	2	17A	114193	†RETAINER, Brake Shoe Spring	2
3	107010	WASHER, Slack Adjuster Retaining	2	18	106689	PIN, Brake Shoe Anchor	4
4	104214	*ADJUSTER, Slack-B.W. 222895	2	19	16F-04	PLUG, Anchor Pin	4
5	1C-1028	BOLT, Air Chamber Bracket	4	20	106690	LOCK, Anchor Pin	2
6	4E-10	LKWSHR, Air Chamber Bracket	4	21	1C-512	BOLT, Anchor Pin Lock	2
7	104204	BRACKET, Air Chamber - R.H. (Inc. 30)	1	22	4E-05	LKWSHR, Anchor Pin Lock	2
7A	104203	BRACKET, Air Chamber - L.H. (Inc. 30)	1	23	107006	CAM SHAFT - R.H.	1
8	10H-25	FITTING, Bracket Grease	2	23A	107005	CAM SHAFT - L.H.	1
9	106685	PIN, Brake Cam Roller	4	24	107007	WASHER, Cam Shaft Thrust	2
10	659648	PIN, Cam Roller Pin Lock	4	25	25K-60116	O-RING, Cam Shaft	2
11	111439	SCREW, Lining to Shoe	48	26	107003	BUSHING, Brake Spider	2
12	107882	LINING, Brake Shoe	8	27	106681	SPIDER, Brake	2
13	815654	KIT, Shoe Assy (Inc. 9 thru 12, 14, 15, 16, 17A, 31)	4	28	14H-15	FITTING, Brake Spider Grease	2
14	24E-06	LKWSHR, Lining to Shoe	48	29	11E-134	RETAINER, Cam Shaft Grease	2
15	2D-06	NUT, Lining to Shoe	48	30	102189	BUSHING, Air Chamber Bracket	2
				31	104067	ROLLER, Brake Cam	4
				32	107010	WASHER, Cam Shaft Retaining	2
				33	659764	RING, Cam Shaft Retaining	2

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

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





TS-3153-P

**BRAKE ASSEMBLY — FRONT**

For Serial: Cummins - 2TC1 thru 2TC999

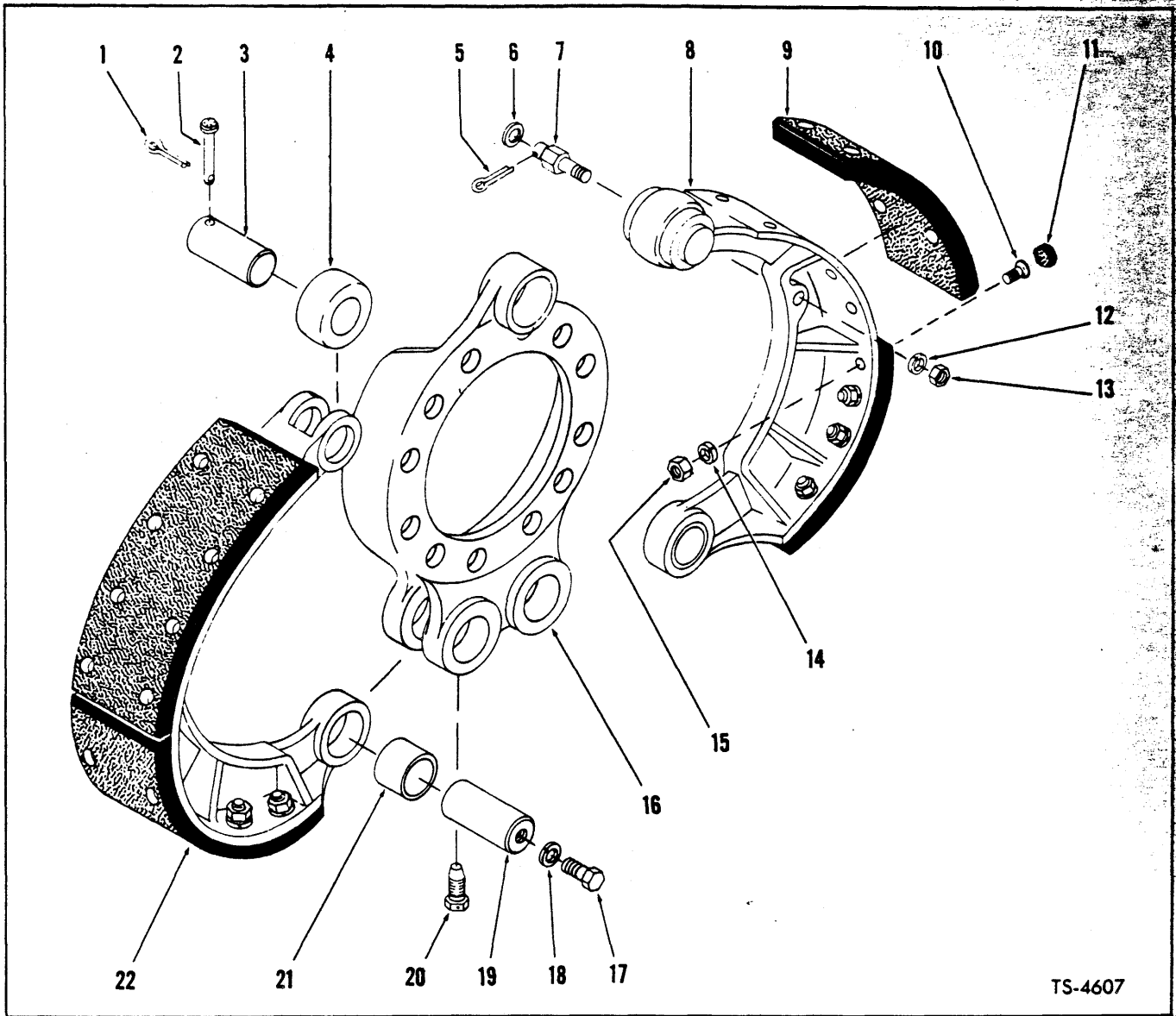
G.M. - 2TG101 thru 4TG104

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	111386	BRAKE ASSY (Inc. 1 thru 4, 8, 11, 12, 13, 28, 29, 33 thru 38)	2	17A	109735	BRACKET, Air Chamber — R.H. (Inc. 25)	1
NOTE: 2 Brake Assemblies required per machine. Quantities listed below are for 1 Brake Assembly.				18	109263	*AIR CHAMBER — B.W. 229380 (Inc. 18A)	1
1	109598	PIN, Brake Cam Roller	2	18A	882444	†DIAPHRAGM, Air Chamber	1
2	1F-308	COTTER, Roller Pin Lock Pin	2	19	104214	*ADJUSTER, Brake Slack — B.W. 222895	1
3	110855	PIN, Cam Roller Pin Lock	2	20	107010	WASHER, Slack Adjuster Retaining	1
4	107707	ROLLER, Brake Cam	2	21	224032	RING, Slack Adjuster Retaining	1
5	18D-10	NUT, Brake Spider	2	22	4E-10	LKWSHR, Air Chamber Bracket	2
6	110814	SPRING, Brake Shoe Return	1	23	18C-1024	BOLT, Air Chamber Bracket	2
7	107735	WASHER, Cam Shaft Thrust	1	24	10H-25	FITTING, Air Chamber Bracket Grease	1
8	110126	PIN, Spring Anchor	2	25	102189	BUSHING, Air Chamber Bracket	1
9	14H-15	FITTING, Brake Spider Grease	1	26	107739	BUSHING, Brake Spider	1
10	110939	CAM SHAFT, L.H.	1	27	25K-60124	"O" RING, Cam Shaft	1
10A	110940	CAM SHAFT, R.H.	1	28	24E-06	LKWSHR, Lining to Shoe	32
11	—	§SHOE, Brake — See 38	2	29	2D-06	NUT, Lining to Shoe	32
12	111056	LINING, Brake Shoe (Std)	4	30	18C-1044	BOLT, Brake Spider	2
12A	112919	LINING, Brake Shoe (1/8" O.S.)	4	31	18C-1036	BOLT, Brake Spider	7
13	107706	SCREW, Lining to Shoe	32	32	4E-10	LKWSHR, Brake Spider	7
14	11E-135	RETAINER, Cam Shaft Grease	1	33	109599	PIN, Brake Shoe Anchor	2
15	107736	WASHER, Cam Shaft Retaining	1	34	16F-04	PLUG, Anchor Pin	2
16	660516	RING, Cam Shaft Retaining	1	35	109597	SET SCREW, Anchor Pin	2
17	109736	BRACKET, Air Chamber — L.H. (Inc. 25)	1	36	107709	BUSHING, Brake Shoe	2
				37	111387	SPIDER, Brake	1
				38	111053	SHOE ASSY, Brake (1 thru 4, 8, 11, 12, 13, 28, 29, 36)	2

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

§Not Sold Separately

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



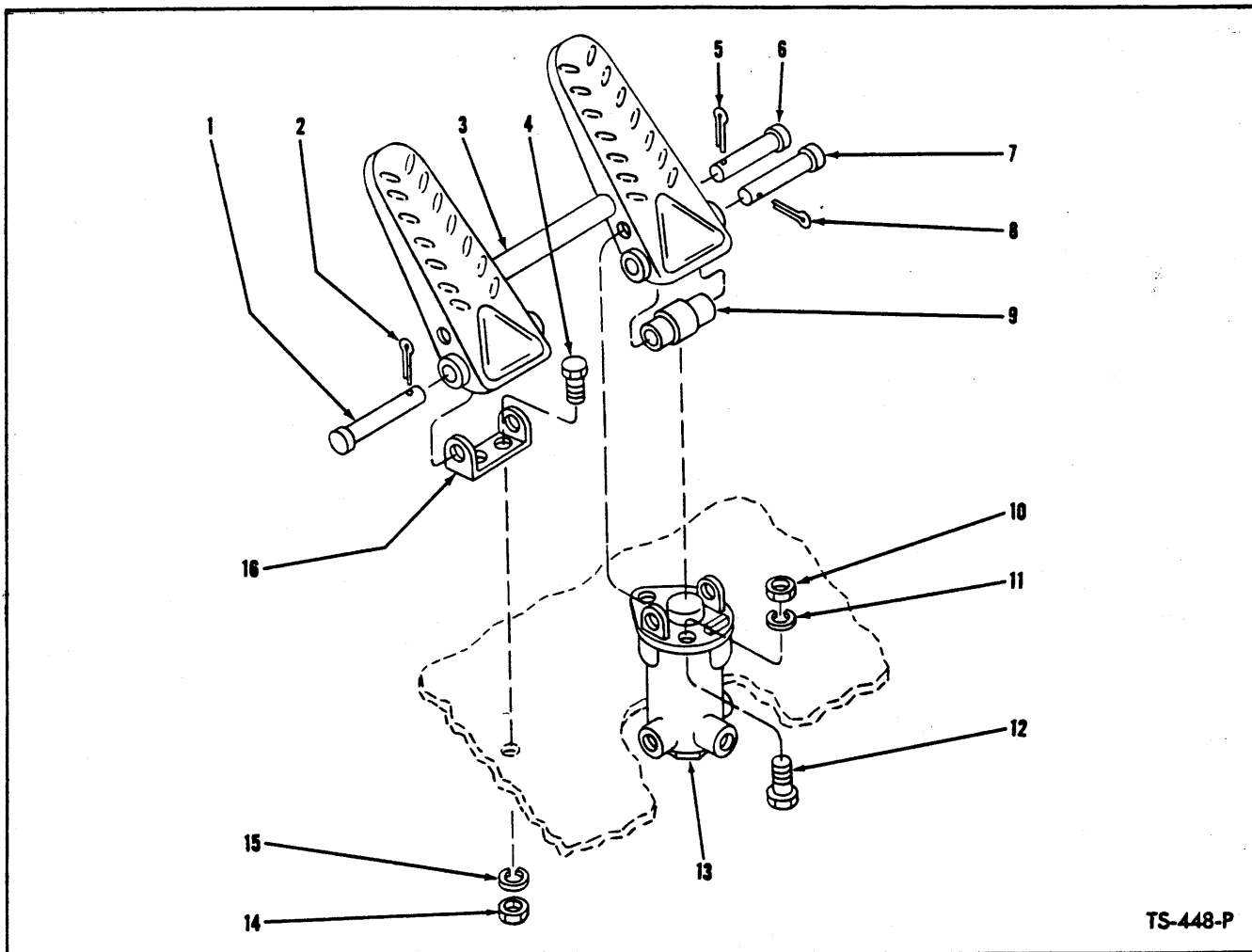
TS-4607

**BRAKE ASSEMBLY – FRONT**  
 For Serial: Cummins - 3TC101 and after  
 G.M. - 4TG105 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	112732	BRAKE ASSY (Inc. 1 thru 4, 7 thru 21) .....	2	11	113249	PLUG, Brake Lining .....	32
<p><b>NOTE: Four brakes used on machine – Quantities listed below are for 1 Brake.</b></p>				12	4E-06	LKWSHR, Spring Anchor Pin .....	2
1	1F-308	COTTER, Roller Pin Lock Pin .....	2	13	2D-06	NUT, Spring Anchor Pin .....	2
2	110855	PIN, Cam Roller Pin Lock .....	2	14	24E-06	LKWSHR, Lining to Shoe .....	32
3	112211	PIN, Brake Cam Roller .....	2	15	2D-06	NUT, Lining to Shoe .....	32
4	112210	ROLLER, Brake Cam .....	2	16	112410	SPIDER, Front Brake .....	1
5	1F-412	COTTER, Spring Anchor Pin .....	2	17	1C-812	BOLT, Puller Hole Plug .....	2
6	619027	WASHER, Spring Anchor Pin .....	2	18	4E-08	LKWSHR, Puller Hole Plug .....	2
7	112216	PIN, Spring Anchor .....	2	19	112213	PIN, Brake Shoe Anchor .....	2
8	-----	§SHOE, Brake – See 22 .....	2	20	109597	SCREW, Anchor Pin Set .....	2
9	112364	LINING, Brake Shoe (Std.) .....	4	21	112212	BUSHING, Brake Shoe .....	2
9A	112920	LINING, Brake Shoe (1/8" O.S.) .....	4	22	112229	SHOE ASSY, Brake (Inc. 1 thru 4, 8 thru 11, 14, 15, 21) .....	2
10	111439	SCREW, Lining to Shoe .....	32				

§Not Sold Separately

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



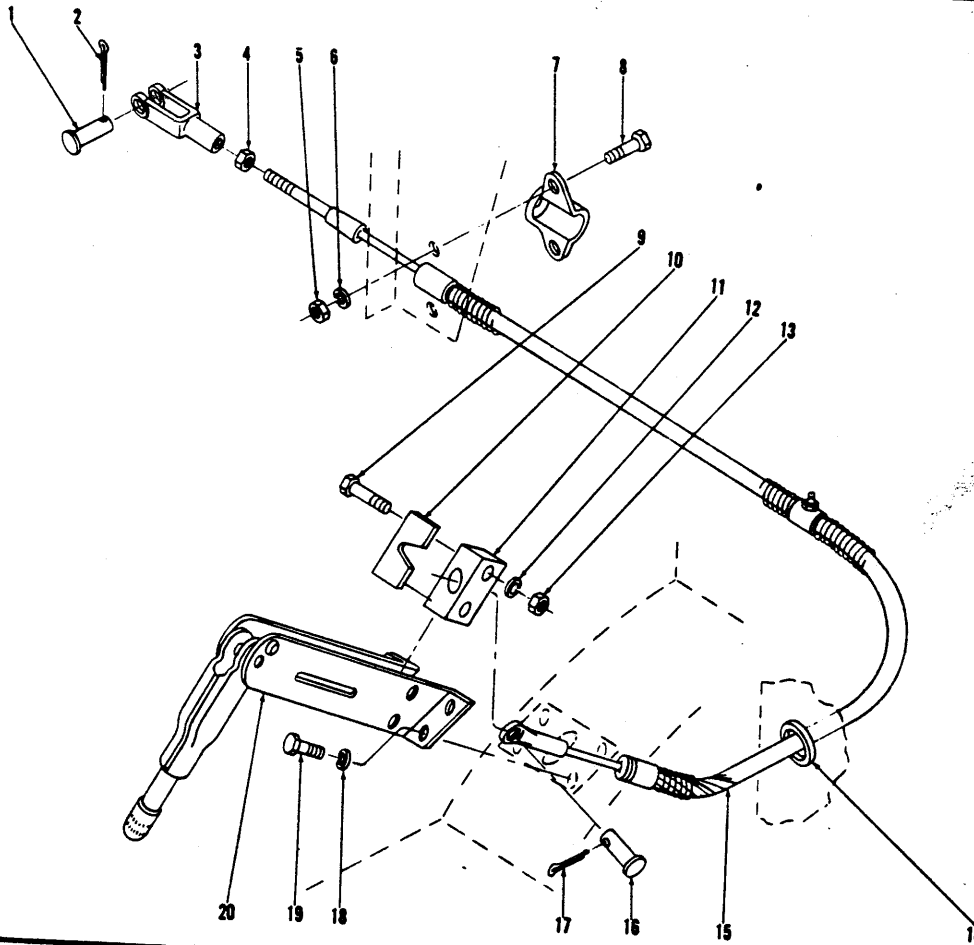
TS-448-P

**BRAKE CONTROLS**

Item No.	Part No.	Description	No. Req'd.
1	875767	PIN, Pedal to Base .....	1
2	1F-312	COTTER, Pedal to Base Pin .....	1
3	518261	PEDAL, Brake .....	1
4	2C-516	BOLT, Pedal Base to Cockpit .....	2
5	1F-312	COTTER, Roller to Pedal Pin .....	1
6	875766	PIN, Roller to Pedal .....	1
7	875767	PIN, Pedal to Valve .....	1
8	1F-312	COTTER, Pedal to Valve Pin .....	1
9	518259	ROLLER, Pedal .....	1
10	18D-05	NUT, Valve to Cockpit .....	3
11	4E-05	LKWSHR, Valve to Cockpit .....	3
12	2C-516	BOLT, Valve to Cockpit .....	3
13	945996	*VALVE, Brake - B.W. 227472 .....	1
14	18D-05	NUT, Pedal Base to Cockpit .....	2
15	4E-05	LKWSHR, Pedal Base to Cockpit .....	2
16	594375	BASE, Pedal .....	1

\*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**

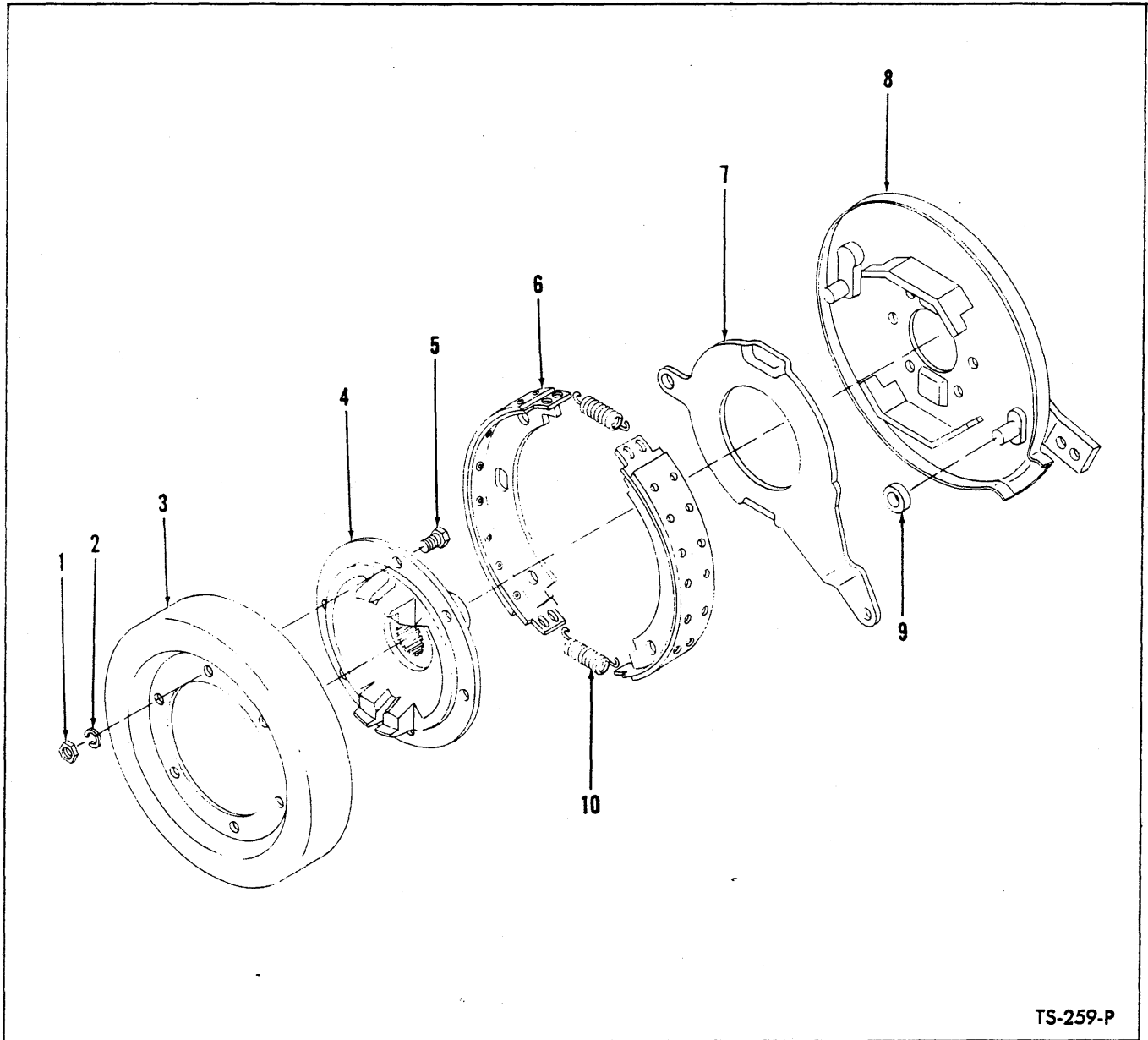


TS-549-P

**PARKING BRAKE CONTROLS**

Item No.	Part No.	Description	No. Req'd.
1	4F-06106	PIN, Clevis to Brake	1
2	1F-312	COTTER, Clevis Pin	1
3	2J-6208	CLEVIS, Cable to Brake	1
4	8D-06	NUT, Clevis Jam	1
5	18D-05	NUT, Cable Clamp	1
6	4E-05	LKWSHR, Cable Clamp	2
7	104645	CLAMP, Cable	2
8	2C-514	BOLT, Cable Clamp	1
9	2C-528	BOLT, Conduit Anchor Block	2
10	593028	RETAINER, Conduit Ferrule	2
11	593027	BLOCK, Conduit Anchor	1
12	4E-05	LKWSHR, Conduit Anchor Block	1
13	18D-05	NUT, Conduit Anchor Block	2
14	552438	GROMMET, Cable to Cockpit	2
15	593030	CABLE, Parking Brake	1
16	4F-04051	PIN, Cable to Lever	1
17	1F-208	COTTER, Clevis Pin	1
18	4E-05	LKWSHR, Lever Attaching	1
19	2C-512	BOLT, Lever Attaching	4
20	593026	LEVER, Parking Brake Hand	4

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



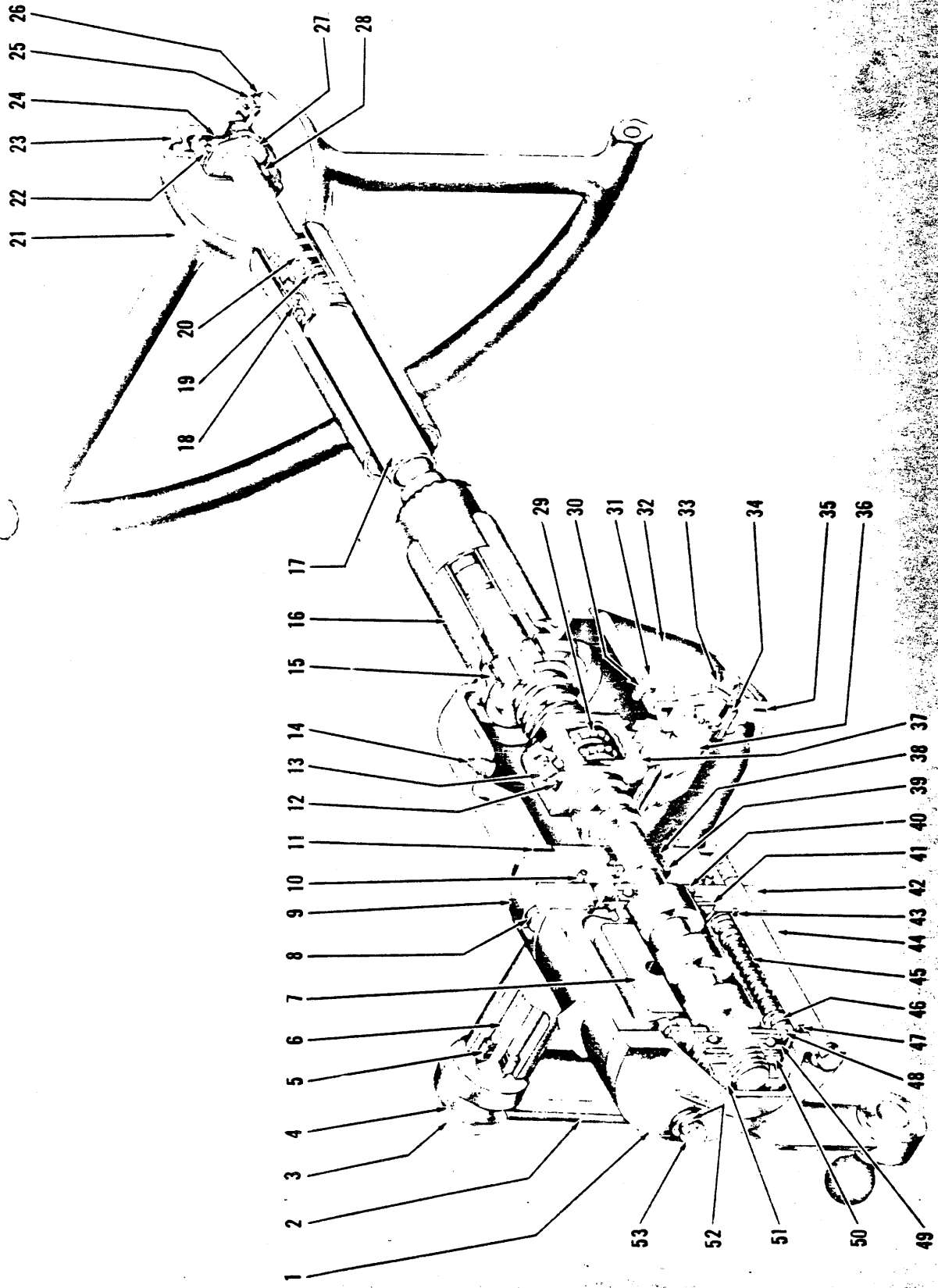
TS-259-P

**PARKING BRAKE ASSEMBLY**

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



STEERING GEAR ASSEMBLY

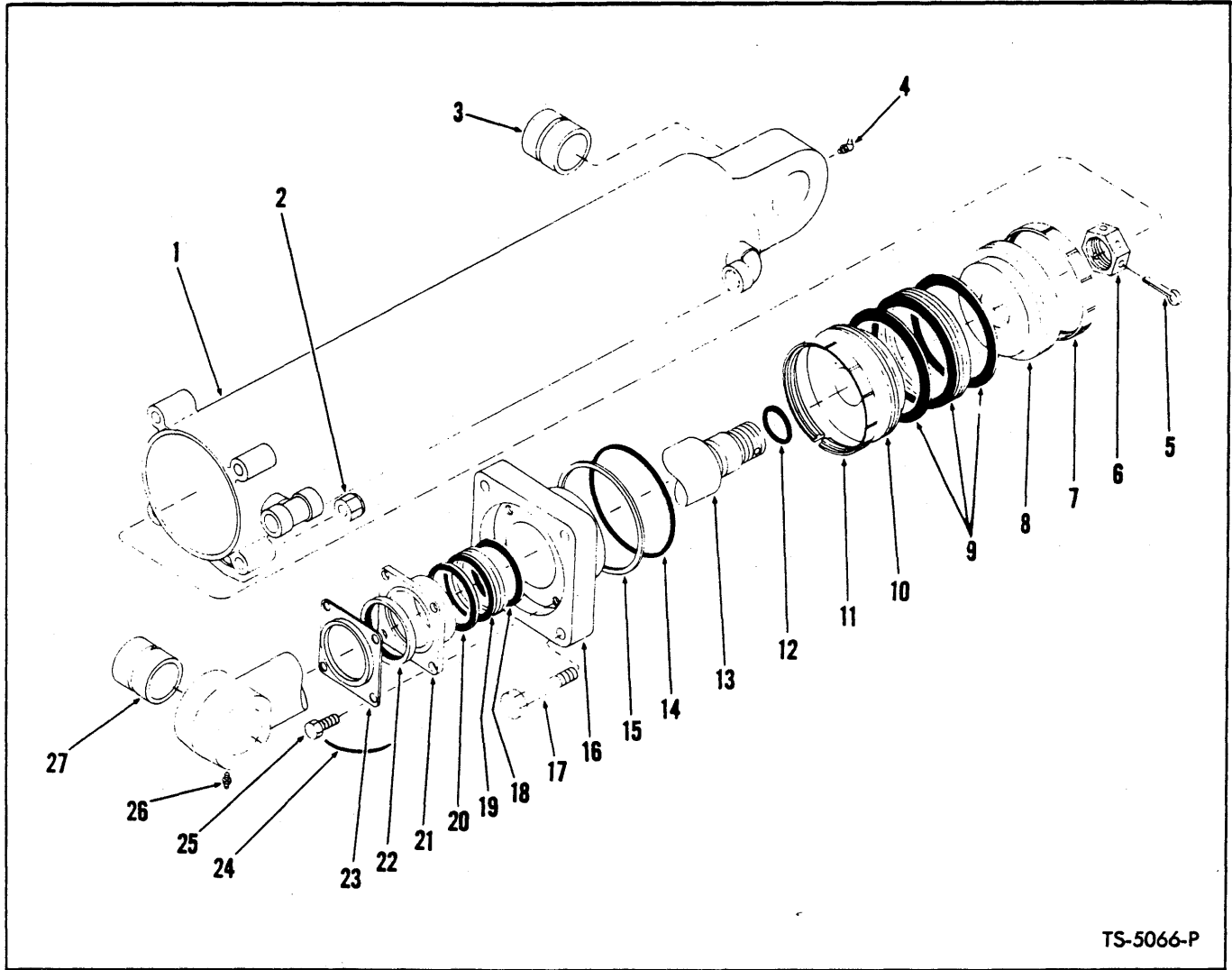
STEERING

**STEERING GEAR ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	594059	STEERING GEAR ASSY (Inc. 1, 3 thru 20, 28 thru 53)	1	26	628764	RETAINER, Steering Wheel Cap	1
1	943439	COVER, Valve End	1	27	648304	NUT, Steering Wheel	1
2	594124	ARM ASSY, Pitman (Inc. 2A)	1	28	853384	KEY, Steering Wheel	1
2A	594123	†BUSHING, Pitman Arm	1	29	10J-09	BALL	106
3	865801	NUT, Pitman Arm	1	29A	853526	†GUIDE, Ball Return	1
4	2E-14	LKWSHR, Pitman Arm	1	30	2E-06	LKWSHR, Side Cover	3
5	853391	SEAL, Pitman Shaft Grease	1	31	1C-612	BOLT, Side Cover	3
6	853357	BUSHING, Pitman Shaft	2	32	853182	COVER, Housing Side (Inc. 34)	1
7	-----	§SPOOL, Valve (See 44)	—	33	8D-07	NUT, Lash Adjuster	1
8	73G-732	SCREW, Adapter to Housing	4	34	-----	§BUSHING, Pitman Shaft (See 32)	1
8A	4E-07	†LKWSHR, Adapter to Housing	4	35	851756	GASKET, Side Cover	1
9	943426	ADAPTER ASSY (Inc. 38, 39)	1	36	944114	GEAR, Pitman Shaft	1
10	25K-40224	"O" RING, Adapter to Spacer	1	37	853525	NUT, Ball	1
11	853380	GASKET, Adapter to Housing	1	38	861741	BEARING, Adapter	1
12	851762	BOLT & WASHER, Clamp	3	39	25K-40108	"O" RING, Adapter	1
13	853527	CLAMP, Ball Return Guide	1	40	860997	BEARING, Worm Thrust	1
14	13F-08	PLUG, Housing Filler	1	41	943438	WASHER	1
15	730143	BEARING, Housing	1	42	943440	SPACER, Valve Mounting	1
16	944115	HOUSING ASSY (Inc. 6, 15)	1	43	25K-40312	"O" RING, Valve to Spacer	1
17	944116	SHAFT ASSY (Inc. 12, 13, 29, 29A, 37)	1	44	943435	VALVE ASSY (Inc. 7, 45, 46)	1
18	857729	BEARING, Upper Shaft	1	45	943437	SPRING, Valve	4
19	861768	WASHER, Upper Shaft Bearing	1	46	943436	PLUNGER, Valve	8
20	853395	SPRING, Upper Bearing	1	47	25K-40312	"O" RING, Valve to End Cover	1
21	518331	WHEEL, Steering	1	48	943438	WASHER	1
22	668674	SPRING, Steering Wheel Cap	1	49	860997	BEARING, Worm Thrust	1
23	628763	CAP, Steering Wheel	1	50	943429	SPRING, Valve Spool Preload	1
24	612840	PLATE, Steering Wheel Cap	1	51	873250	NUT, Worm Bearing	1
25	695930	SCREW, Steering Wheel Cap	4	52	3E-08	LKWSHR, End Cover	6
				53	1C-888	BOLT, End Cover	6

†Not Illustrated  
§Not Sold Separately

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



TS-5066-P

**STEERING CYLINDER ASSEMBLY**

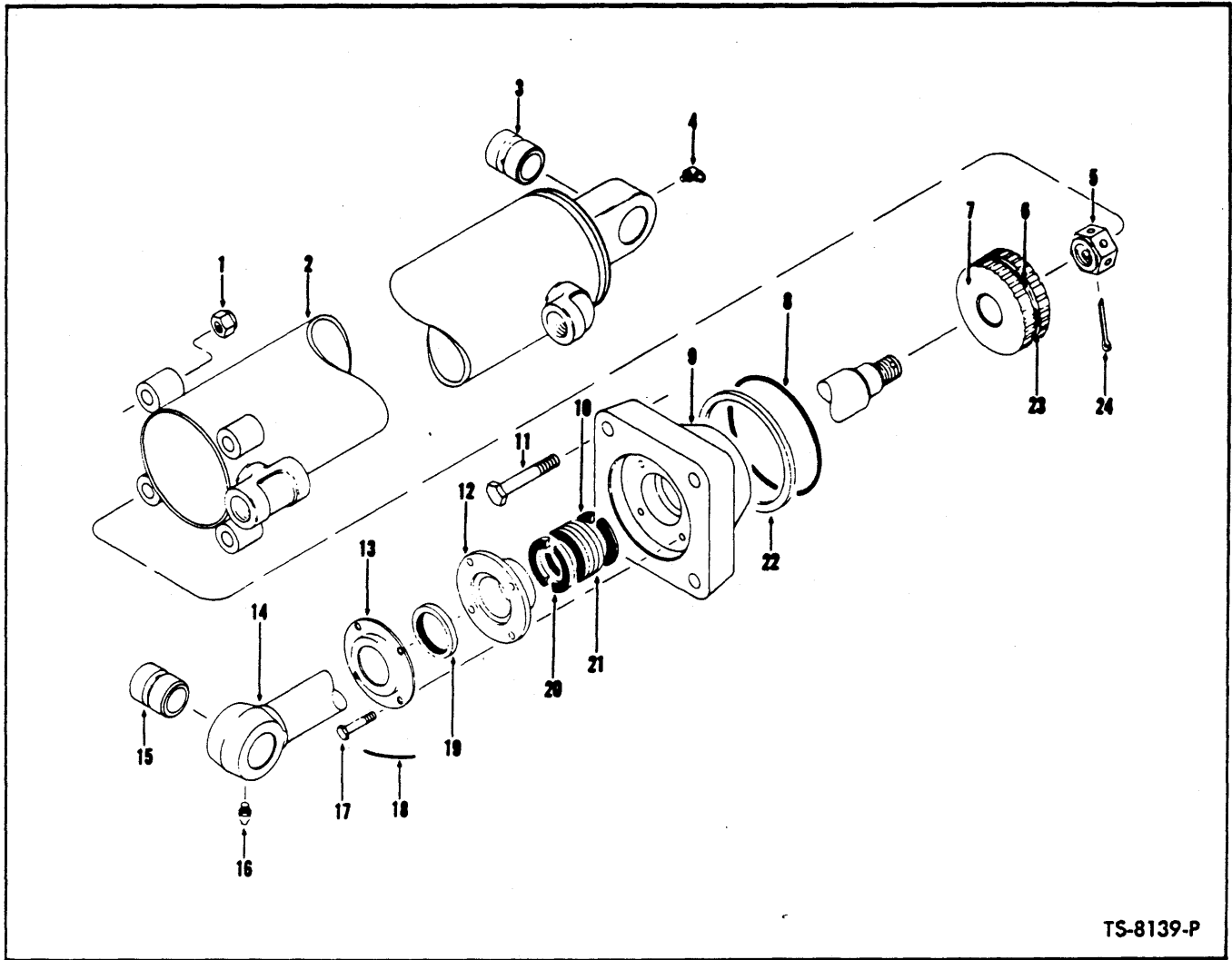
**2 Cylinders used on machine – Quantities listed below are for 1 Cylinder**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	591530	*CYLINDER ASSY (Inc. 1 thru 27) .....	1	14	25K-40500	"O" RING, Cylinder Cap .....	1
1	591527	CYLINDER (Inc. 3) .....	1	15	549132	RING, "O" Ring Backup .....	1
2	68D-10	NUT, Cylinder Cap to Cylinder .....	4	16	945121	CAP, Cylinder Kit (Inc. 14, 15) .....	1
3	559295	BUSHING, Cylinder .....	1	17	18C-1072	BOLT, Cylinder Cap to Cylinder .....	4
4	12H-25	FITTING, Cylinder Grease .....	1	18	-----	ADAPTER, (Inc. in 19).....	2
5	1F-856	COTTER, Piston Rod Nut .....	1	19	2501109	PACKING SET, Cylinder Cap .....	1
6	551606	NUT, Piston Rod .....	1	20	-----	ADAPTER, (Inc. in 19).....	2
7	591519	RING, Wear .....	1	21	591513	GLAND, Packing .....	1
8	549124	PISTON, Bottom .....	1	22	591525	WIPER, Piston Rod .....	1
9	2501091	PACKING SET, Piston .....	1	23	591514	RETAINER, Piston Rod Wiper .....	1
10	549123	PISTON, Top .....	1	24	-----	LOCKWIRE (16 ga. x 11" long) .....	2
11	591519	RING, Wear .....	1	25	4C-616	BOLT, Retainer to Cap .....	4
12	25K-40120	"O" RING, Piston Rod .....	1	26	10H-25	FITTING, Piston Rod Grease .....	1
13	591532	ROD, Piston (Inc. 26, 27) .....	1	27	559295	BUSHING, Piston Rod .....	1

\*NOTE: For replacement use 1527905

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





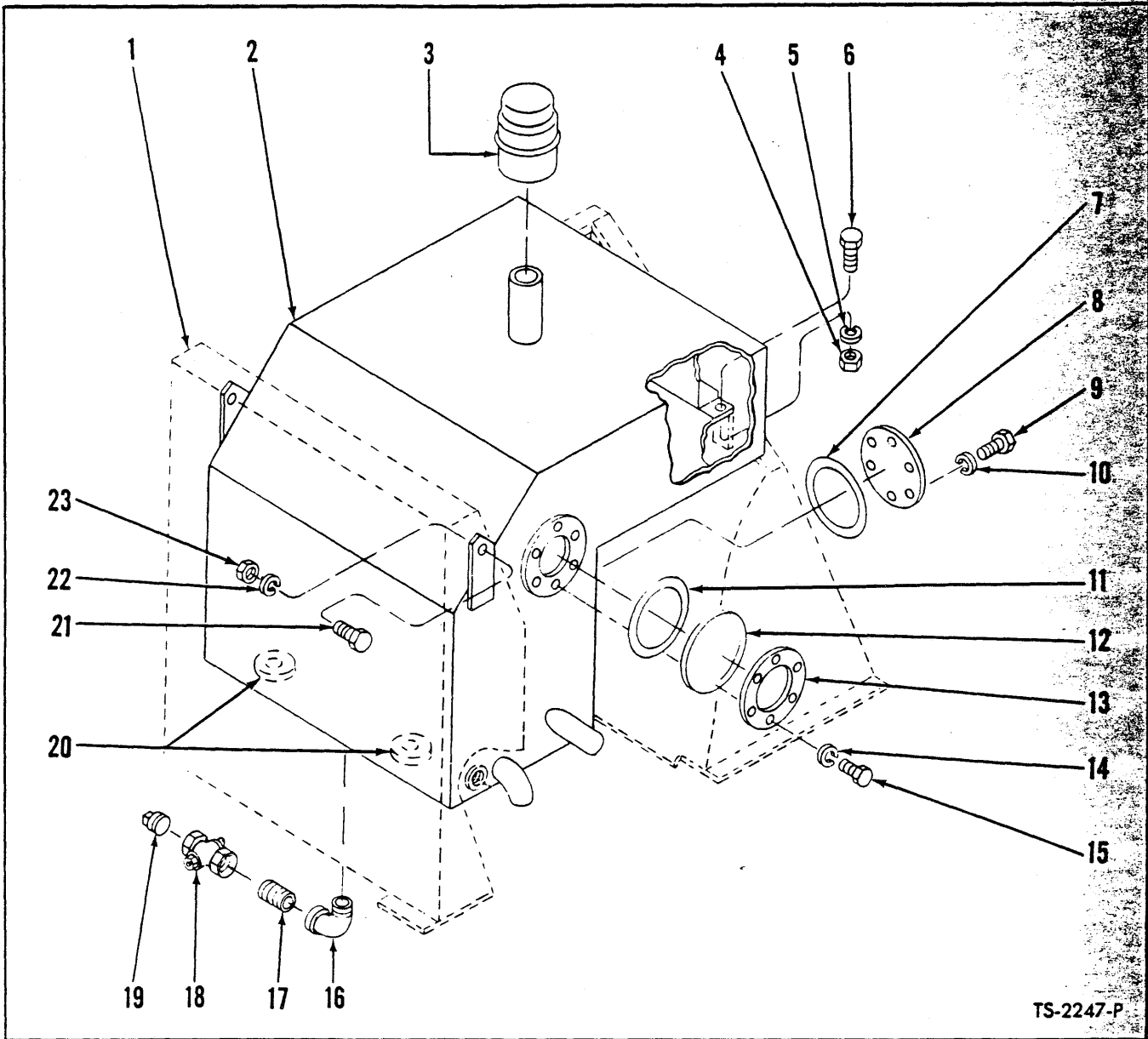
TS-8139-P

**STEERING CYLINDER ASSEMBLY  
(SERVICE)**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1527905	CYLINDER ASSY (Inc. 1 thru 24) .....	2	12	591513	GLAND, Packing .....	1
<p><b>NOTE: Two (2) Cylinders are used on machine — Quantities listed below are for one (1) Cylinder.</b></p>							
1	68D-10	NUT, Cylinder Cap Attaching .....	4	13	591514	RETAINER, Seal .....	1
2	591527	CYLINDER (Inc. 3) .....	1	14	591532	PISTON ROD (Inc. 15) .....	1
3	559295	BUSHING, Cylinder .....	1	15	559295	BUSHING, Piston Rod .....	1
4	12H-15	FITTING, Cylinder Grease .....	1	16	10H-25	FITTING, Piston Rod Grease .....	1
5	551606	NUT, Piston Rod .....	1	17	4C-616	BOLT, Seal Retainer .....	4
6	25K-40420	"O" RING, Piston .....	1	18	-----	LOCKWIRE (16 ga. 11" lg.) .....	2
7	569989	*PISTON .....	1	19	591525	SEAL, Piston Rod .....	1
8	25K-40500	"O" RING, Cap .....	1	20	-----	ADAPTER, (Inc. in 21).....	2
9	945121	CAP ASSY, Cylinder (Inc. 8, 22) .....	1	21	2501109	PACKING ASSY .....	1
10	-----	ADAPTER, (Inc. in 21).....	2	22	549132	RING, Back-up .....	1
11	18C-1072	BOLT, Cylinder Cap .....	4	23	573834	RING, Piston Sealing .....	1
				24	1F-856	COTTER, Piston Rod Nut .....	1

\*NOTE: For replacement use 1-1503027 Piston plus 2-1503033 Wear Rings, 1-1503019 Seal Ring & 1-1503466 Seal Ring.

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

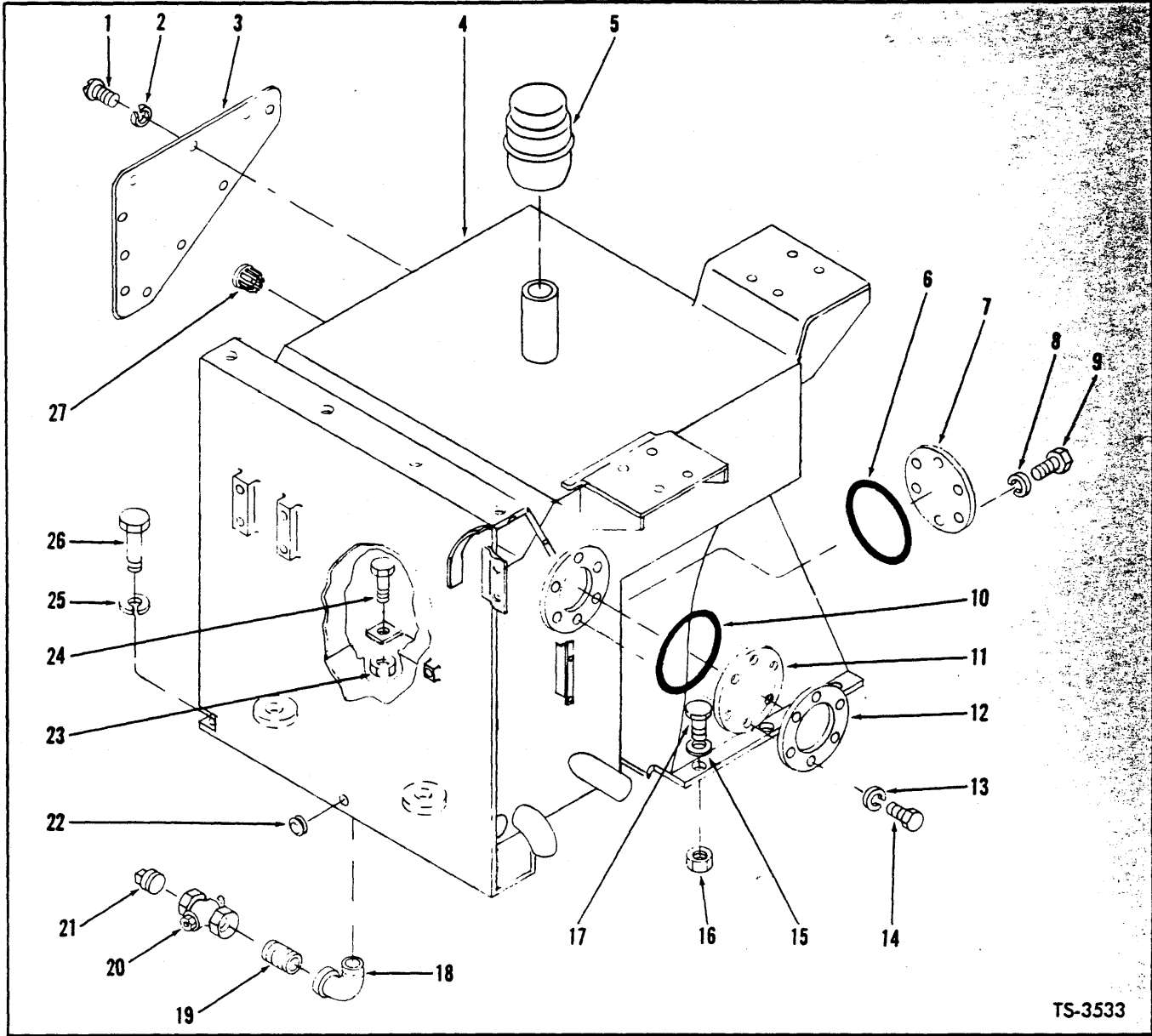


TS-2247-P

**HYDRAULIC OIL RESERVOIR — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	OIL RESERVOIR COMPARTMENT— See Index	—	9	2C-612	BOLT, Sump Plate	6
2		RESERVOIR, Hydraulic Oil		10	4E-06	LKWSHR, Sump Plate	6
2A	593429	For Serial 44146 thru 44158	1	11	25K-40428	"O" RING, Inspection Cover	1
2B	593790	For Serial 44123 thru 44145, 44159 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 & thereafter	1	12	550389	COVER, Reservoir Inspection	1
3	604639	CAP, Reservoir Breather	1	13	550398	RING, Inspection Cover Clamp	1
4	2D-08	NUT, Reservoir Attaching	2	14	4E-06	LKWSHR, Inspection Cover	6
5	4E-08	LKWSHR, Reservoir Attaching	2	15	2C-616	BOLT, Inspection Cover	6
6	2C-818	BOLT, Reservoir Attaching	2	16	26F-5	ELBOW, Drain Cock	1
7	25K-40428	"O" RING, Sump Plate	1	17	5K-611	NIPPLE, Drain Cock	1
8	591381	PLATE, Sump	1	18	593786	DRAIN COCK, Reservoir	1
				19	13F-12	PLUG, Drain Cock	1
				20	525293	MAGNET, Reservoir	2
				21	2C-818	BOLT, Reservoir Attaching	2
				22	4E-08	LKWSHR, Reservoir Attaching	2
				23	2D-08	NUT, Reservoir Attaching	1

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

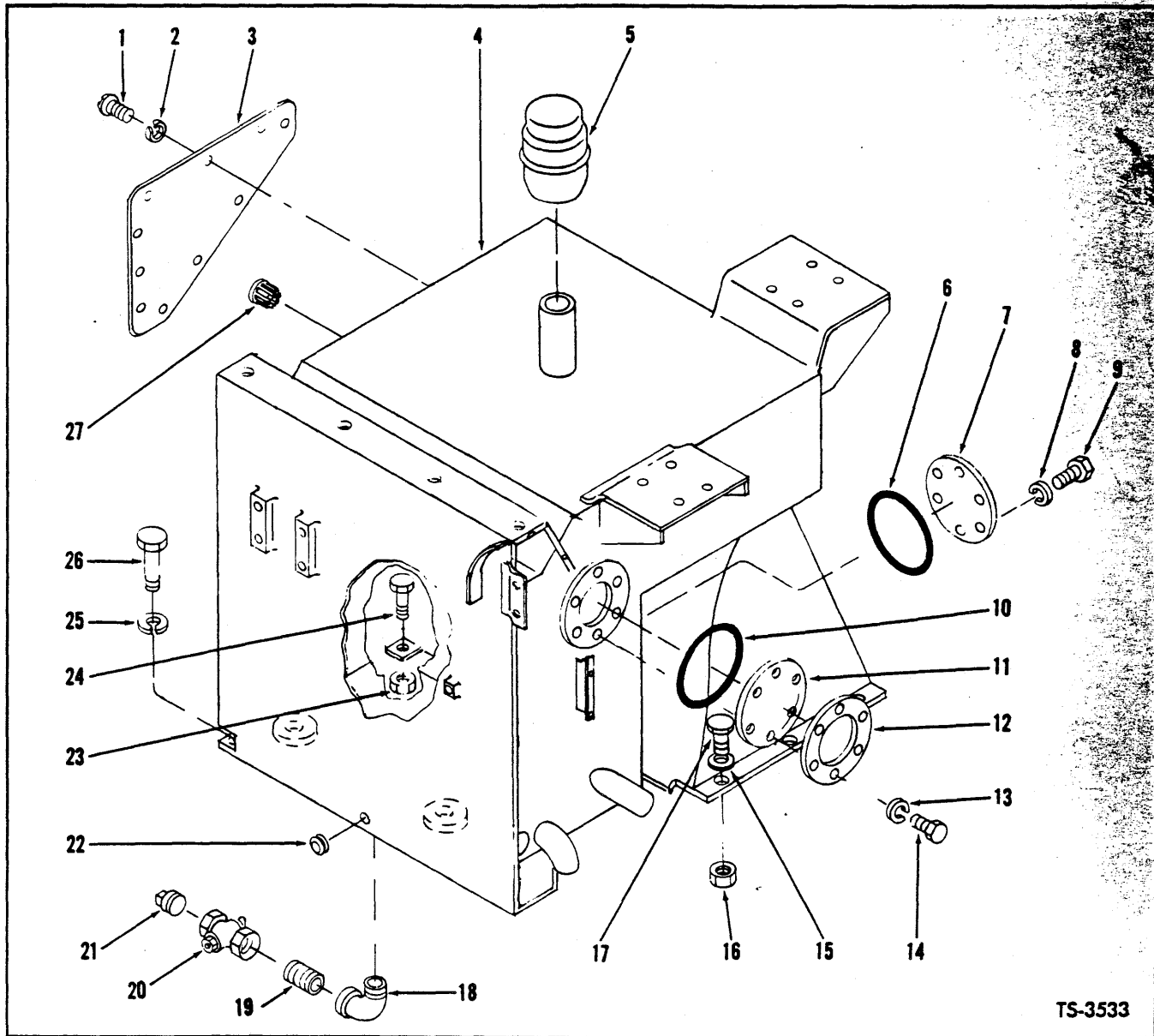


TS-3533

**HYDRAULIC OIL RESERVOIR – G.M**  
For Serial: 2TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	31G-408	SCREW, Cover to Compartment	10	15	980055	WASHER, Fender to Frame	3
2	4E-04	LKWSHR, Cover to Compartment	10	16	18D-06	NUT, Fender to Frame	3
3	582297	COVER, Oil Reservoir Compartment	1	17	18C-618	BOLT, Fender to Frame	3
4	582277	RESERVOIR, Hydraulic Oil	1	18	26F-5	ELBOW, Drain Cock	1
5	604639	CAP, Reservoir Breather	1	19	5K-611	NIPPLE, Drain Cock	1
6	25K-40428	"O" RING, Sump Plate	1	20	593786	DRAIN COCK	1
7	591381	PLATE, Sump	1	21	13F-12	PLUG, Drain Cock	1
8	4E-06	LKWSHR, Sump Plate	6	22	511426	GROMMET, Fuel Sender Wire	1
9	18C-612	BOLT, Sump Plate	6	23	18D-08	NUT, Compartment to Fuel Tank	1
10	25K-40428	"O" RING, Inspection Cover	1	24	18C-816	BOLT, Compartment to Fuel Tank	1
11	550389	COVER, Inspection	1	25	4E-08	LKWSHR, Compartment to Fuel Tank	1
12	550398	CLAMP, Inspection Cover	1	26	18C-816	BOLT, Compartment to Fuel Tank	1
13	4E-06	LKWSHR, Inspection Cover	6	27	641282	PLUG BUTTON	1
14	18C-616	BOLT, Inspection Cover	6				

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



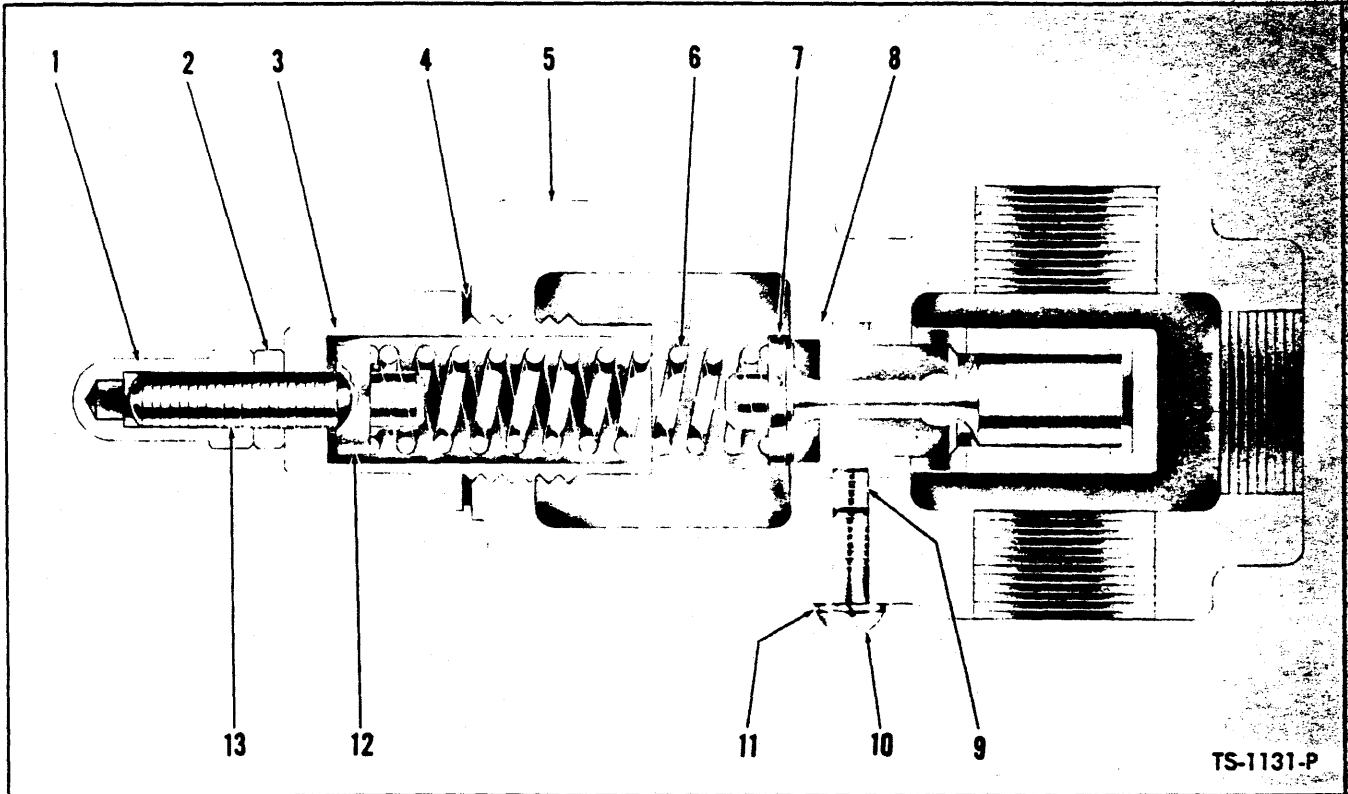
TS-3533

**HYDRAULIC OIL RESERVOIR – G.M.**

For Serial: 4TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	31G-408	SCREW, Cover to Compartment	10	15	980055	WASHER, Fender to Frame	3
2	4E-04	LKWSHR, Cover to Compartment	10	16	18D-06	NUT, Fender to Frame	3
3	582297	COVER, Oil Reservoir Compartment	1	17	18C-618	BOLT, Fender to Frame	3
4	585892	RESERVOIR, Hydraulic Oil	1	18	26F-5	ELBOW, Drain Cock	1
5	604639	CAP, Reservoir Breather	1	19	5K-611	NIPPLE, Drain Cock	1
6	25K-40428	"O" RING, Sump Plate	1	20	593786	DRAIN COCK	1
7	591381	PLATE, Sump	1	21	13F-12	PLUG, Drain Cock	1
8	4E-06	LKWSHR, Sump Plate	6	22	511426	GROMMET, Fuel Sender Wire	1
9	18C-612	BOLT, Sump Plate	6	23	18D-08	NUT, Compartment to Fuel Tank	1
10	25K-40428	"O" RING, Inspection Cover	1	24	18C-816	BOLT, Compartment to Fuel Tank	1
11	550389	COVER, Inspection	1	25	4E-08	LKWSHR, Compartment to Fuel Tank	1
12	550398	CLAMP, Inspection Cover	1	26	18C-816	BOLT, Compartment to Fuel Tank	1
13	4E-06	LKWSHR, Inspection Cover	6	27	641282	PLUG BUTTON	1
14	18C-616	BOLT, Inspection Cover	6				

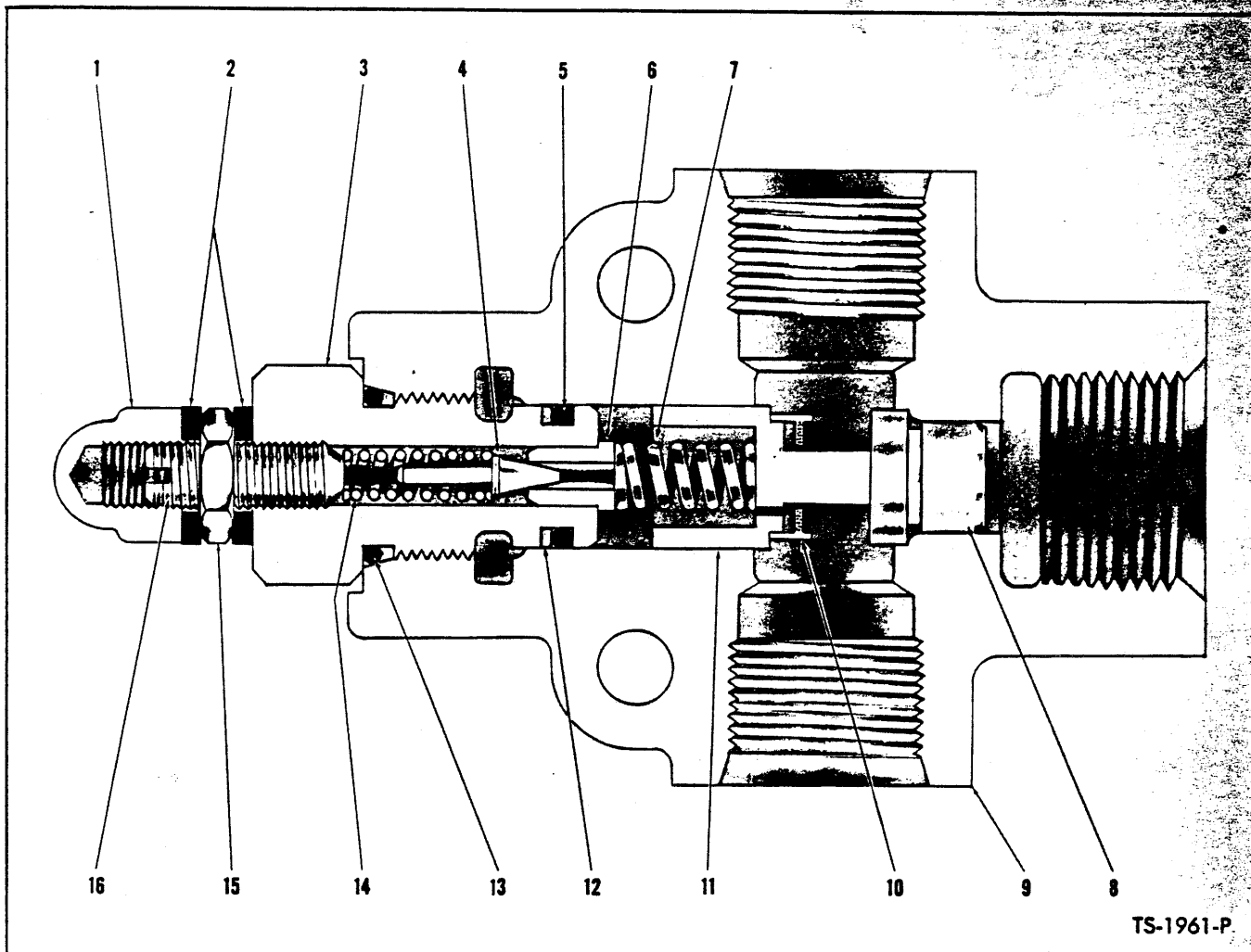
**WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE**



**STEERING SYSTEM PRESSURE RELIEF VALVE — CUMMINS**  
For Serial 44123 thru 44299, 1TC100, 1TC101, 1TC102

Item No.	Part No.	Description	No. Req'd.
A	519274	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	943486	SPRING	1
7	940032	PLUNGER, Valve	1
8	940033	SEAT, Valve	1
9	15G-506	SET SCREW, 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**



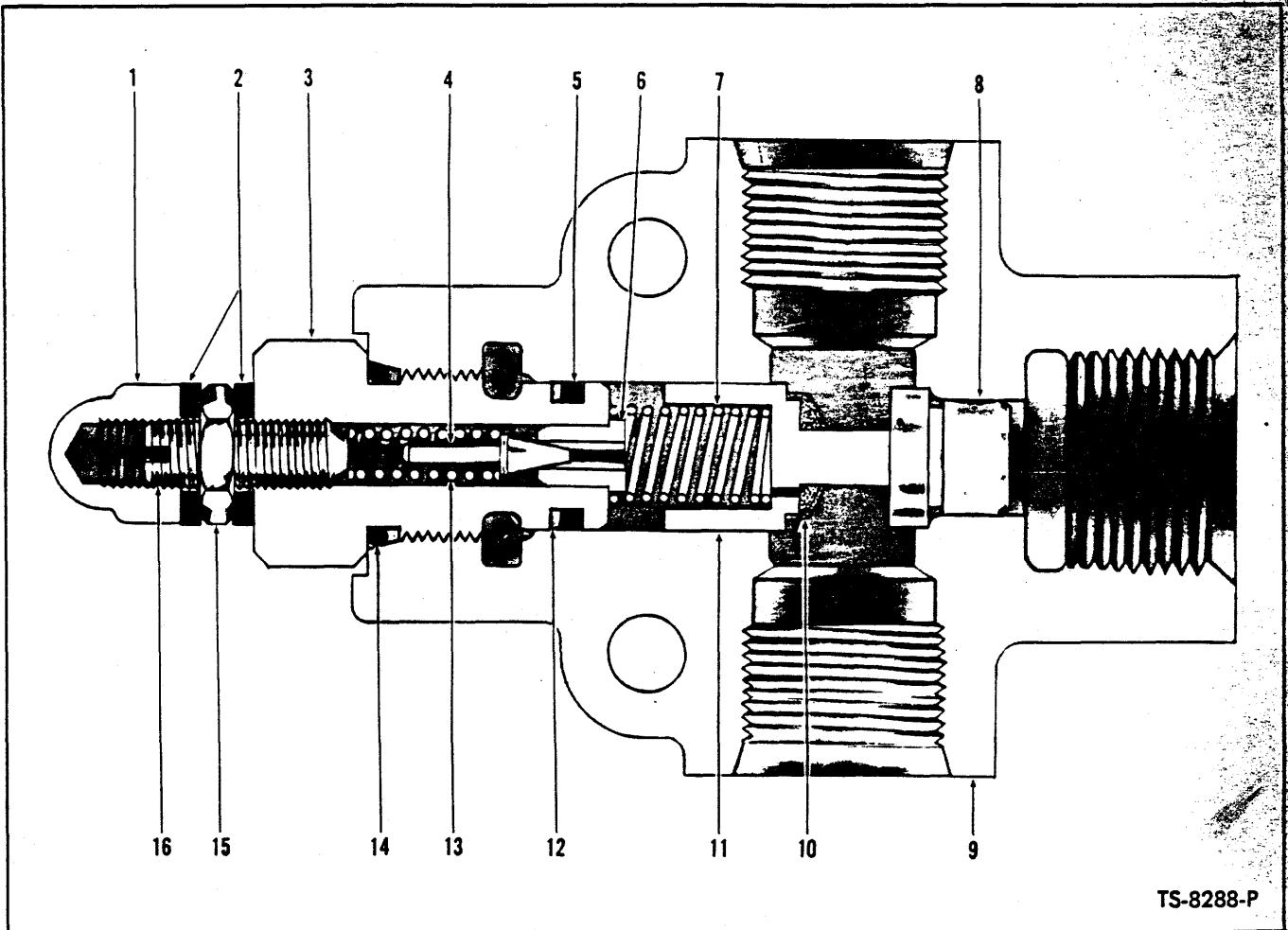
**STEERING SYSTEM PRESSURE RELIEF VALVE — CUMMINS**  
For Serial 2TC1 thru 2TC18

Item No.	Part No.	Description	No. Req'd.
A	531080	*VALVE ASSY (Inc. 1 thru 16)	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	1
8	944462	SEAT, Poppet	1
9	-----	§BODY, Valve (See A)	1
10	-----	§SCREEN, Poppet (See 11)	1
11	944463	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 Set	1

\*For complete replacement of 531080 Relief Valve order 536539 Relief Valve

§Not Sold Separately

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



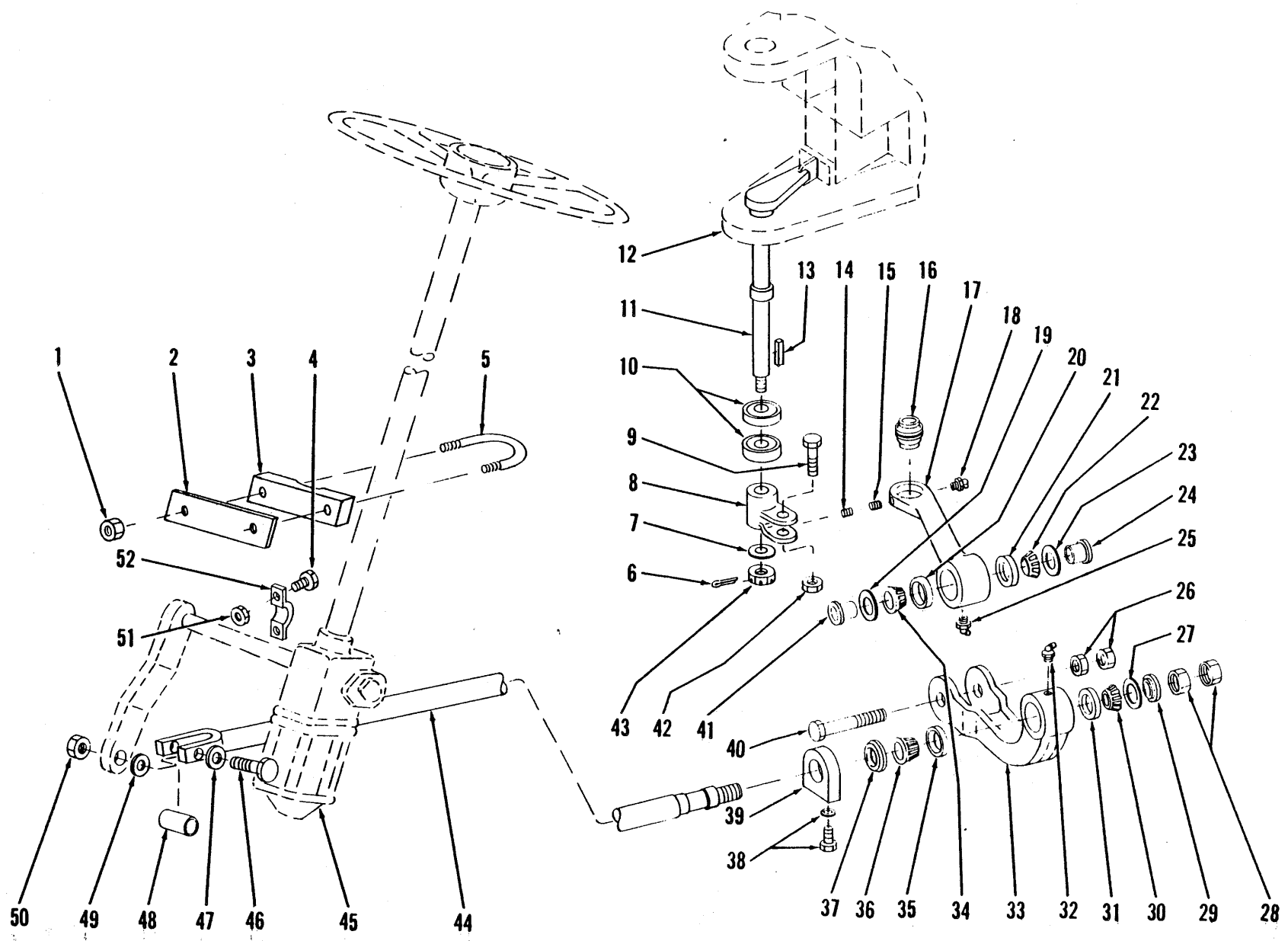
**PRESSURE RELIEF VALVE – STEERING SYSTEM**

For Serial: Cummins - 2TC20 and after  
G.M. - 2TG101 and after

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**



STEERING CONTROLS

TS-3122

69.1

(11 19)

PM 1480



**STEERING CONTROLS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, U-Bolt	2	27	582749	SHIELD, Bearing Dust - Rear	1
2	580783	‡SHIM, Clamp Block	—	28	8D-12	NUT, Steering Clevis to Rod	2
3	580782	BLOCK, Steering Gear Clamp	1	29	582747	*RETAINER, Steering Clevis Bearing	1
4	18C-832	BOLT, Steering Gear Clamp	2	30	713023	*CONE, Steering Clevis Bearing	1
5	545941	U-BOLT, Steering Gear	1	31	713024	*CUP, Steering Clevis Bearing	1
6	1F-422	COTTER, Crank Retaining Nut	1	32	12H-15	FITTING, Steering Clevis Grease	1
7	590498	WASHER, Crank Retaining	1	33	582746	*CLEVIS, Steering	1
8	592905	CRANK, Linkage Shaft	1	34	742010	CONE, Steering Link Bearing	1
9	592952	BOLT, Steering Link to Crank	1	35	713024	*CUP, Steering Clevis Bearing	1
10	659029	BEARING, Linkage Shaft	2	36	713023	*CONE, Steering Clevis Bearing	1
11	592879	SHAFT, Steering Linkage	1	37	582748	*SHIELD, Bearing Dust - Front	1
12	—	YOKE - See Scraper Parts Manual or Tractor Wagon Manual	—	38	17C-820	BOLT, Bearing Block	2
13	7J-4108	KEY, Crank Retaining	1	38A	4E-08	LKWSHR, Bearing Block	2
14	33G-405	SCREW, Spherical Bearing Lock	1	39	582745	*BLOCK, Control Rod Bearing	1
15	593172	SET SCREW, Spherical Bearing	1	40	18C-1072	BOLT, Steering Clevis to Link	1
16	592874	BEARING, Spherical	1	41	592976	BUSHING, Steering Link	1
17	583884	*LINK ASSY, Steering (Inc. 14, 15, 16, 20, 21)	1	42	66D-10	NUT, Steering Link to Crank	1
18	10H-35	FITTING, Spherical Bearing Grease	1	43	4D-10	NUT, Crank Retaining	1
19	592977	SHIELD, Bearing Dust	1	44	583468	*ROD, Steering Control	1
20	742009	CUP, Steering Link Bearing	1	45	—	STEERING GEAR - See Index	—
21	742009	CUP, Steering Link Bearing	1	46	18C-840	BOLT, Rod to Pitman Arm	1
22	742010	CONE, Steering Link Bearing	1	47	635682	WASHER, Rod to Pitman Arm	1
23	592977	SHIELD, Bearing Dust	1	48	594134	SLEEVE, Rod to Pitman Arm	1
24	592976	BUSHING, Steering Link	1	49	635682	WASHER, Rod to Pitman Arm	1
25	12H-15	FITTING, Steering Link Grease	1	50	18D-08	NUT, Rod to Pitman Arm	1
26	8D-10	NUT, Steering Clevis to Link	2	51	18D-08	NUT, Steering Gear Clamp	2
				52	550044	CLAMP, Steering Gear	1

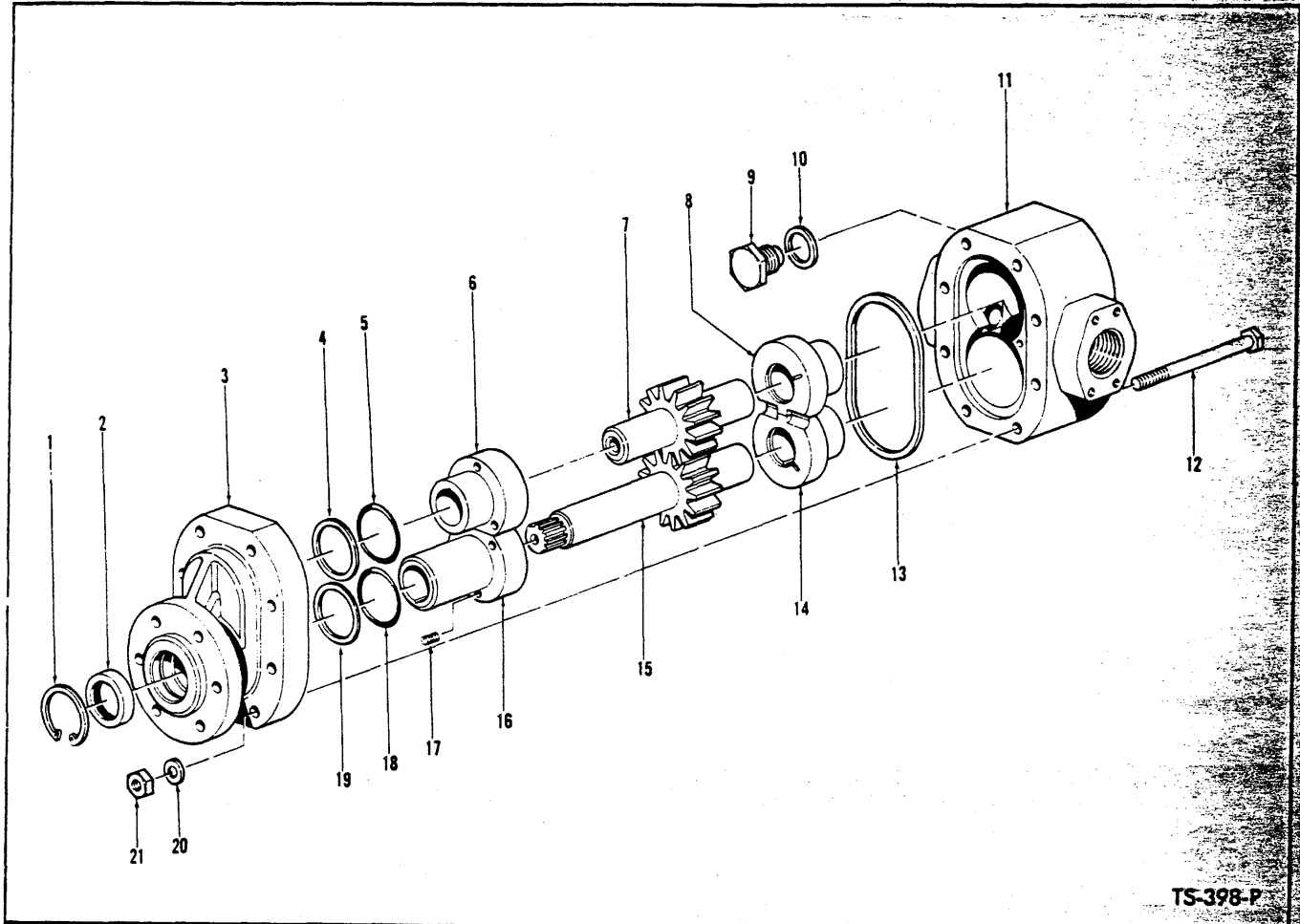
‡As Required

\*NOTE: When items 17, 29, 30, 31, 33, 35, 36, 37, 39 and 44 are replaced for any reason, on machine serial numbers listed below, all of these items must be replaced at the same time. Subsequent replacement can be made with individual pieces.

110 CUMMINS - 44123 thru 44299; 1TC100, 1TC101, 1TC102, 2TC1 thru 2TC18.

110 G.M. - 2TG101, 2TC102, 2TC103, 2TC104.

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



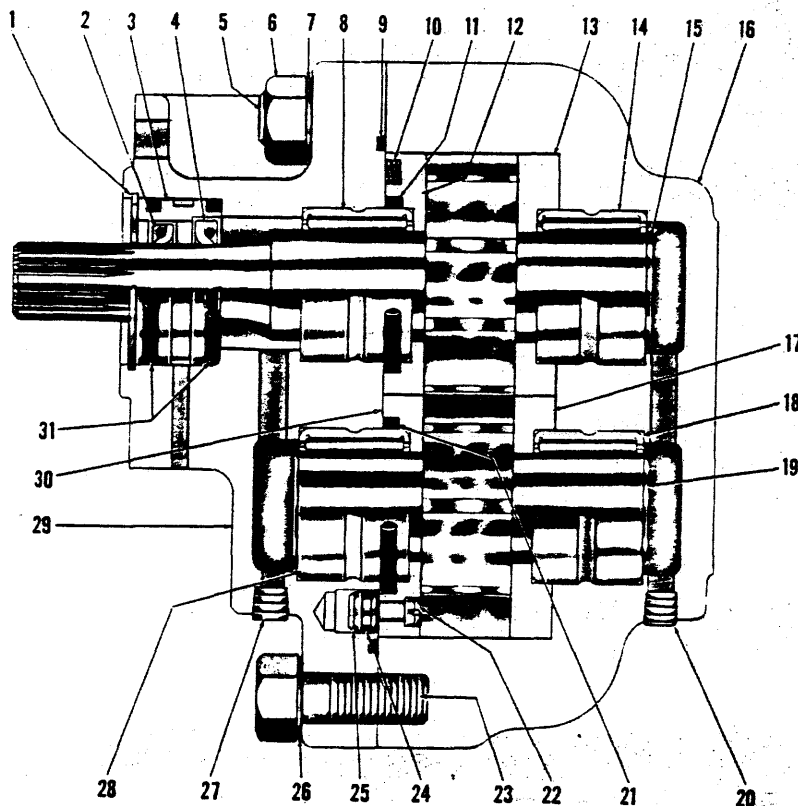
TS-398-P

**HYDRAULIC PUMP — STEERING — CUMMINS**  
For Serial 44123 thru 44299

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	521237	*PUMP ASSY (Inc. 1 thru 21)	1	10	---	§GASKET, Seal Relief	1
B	943311	REPAIR KIT, Major (Inc. 1, 2, 4, 5, 6, 8, 10, 12, 13, 14, 16 thru 21)	1	11	943510	BODY	1
C	943306	REPAIR KIT, Minor (Inc. 1, 2, 4, 5, 10, 13, 18, 19)	1	12	---	§BOLT, Cover to Body	8
D	942431	GEAR SET, Drive & Driven (Inc. 7, 15)	1	13	---	§SEAL RING, Cover	1
1	---	§RING, Seal Retaining	1	14	---	§BEARING, Body — Drive	1
2	---	§SEAL, Shaft	1	15	---	§GEAR, Drive	1
3	941556	COVER	1	16	---	§BEARING, Cover — Drive	1
4	---	§WASHER, Back-up	1	17	---	§SPRING, Cover Bearing	6
5	---	§RING, Cover Bearing	1	18	---	§RING, Cover Bearing	1
6	---	§BEARING, Cover — Driven	1	19	---	§WASHER, Back-up	1
7	---	§GEAR, Driven	1	20	---	§WASHER, Cover to Body	8
8	---	§BEARING, Body — Driven	1	21	---	§NUT, Cover to Body	8
9	---	§RETAINER, Seal Relief	1	22	551906	†GASKET, Pump to Converter	1
				23	8D-06	†NUT, Pump to Converter	6
				24	4E-06	†LKWSHR, Pump to Converter	6
				24A	221992	†SLEEVE, Pump Drive	1

\*NOTE: When complete pump is replaced use 450061 Pump listed on page 71 plus one (1) 580413 Tube.  
 †Not Illustrated  
 ‡Not Sold Separately — Order Kits.

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



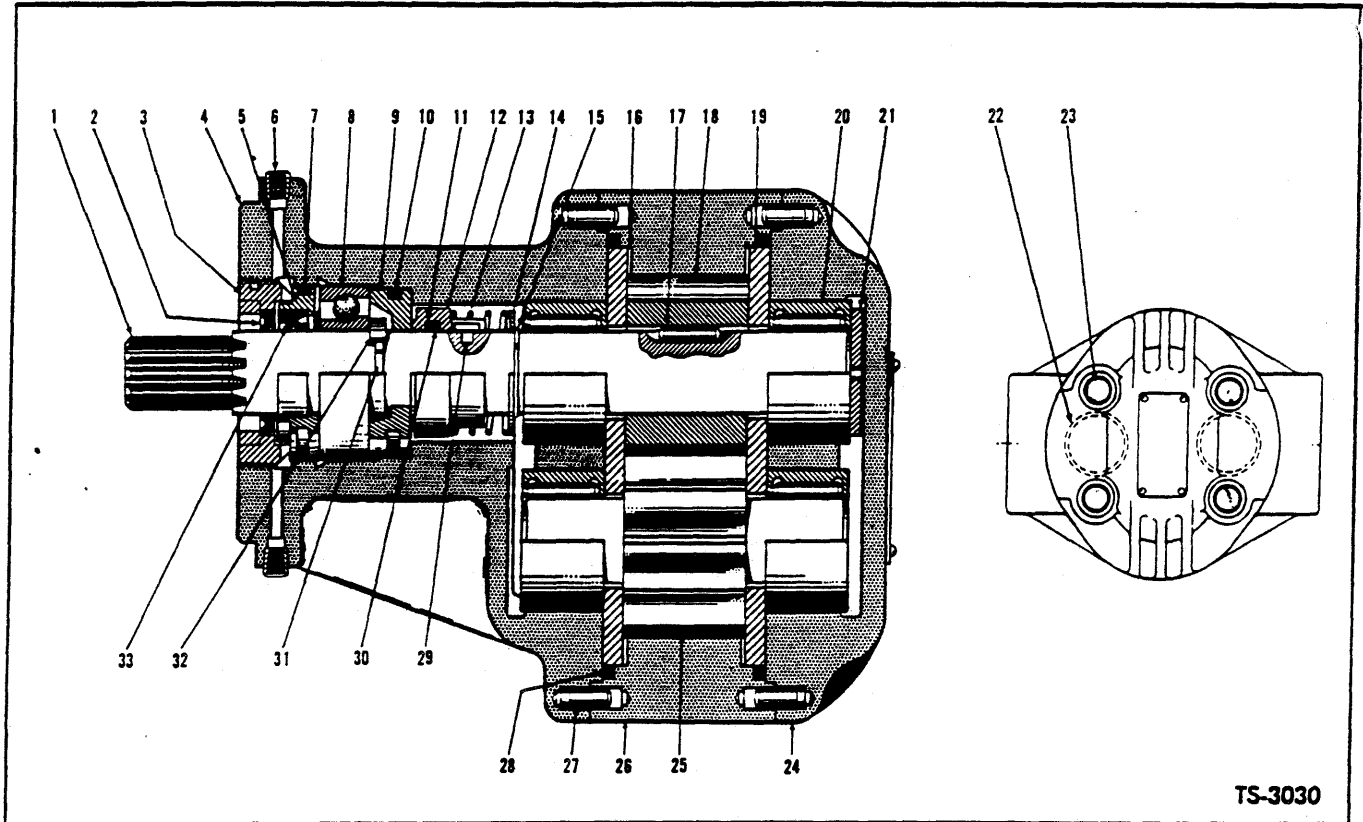
TS-2069-P

**HYDRAULIC PUMP — STERING — CUMMINS**  
For Serial 1TC100 thru 1TC102, 2TC1 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450061	*PUMP ASSY (Inc. 1 thru 30)	1	13	---	§ THRUST PLATE, Body—Drive	1
B	498099	REPAIR KIT, Major (Inc. 3, 8, 12, 13, 14, 17, 18, 28, 30)	1	14	---	§ BEARING, Body	1
C	498098	REPAIR KIT, Minor (Inc. 1, 2, 4, 6, 7, 9, 10, 11, 21, 22, 23, 24, 31)	1	15	---	§ GEAR, Drive	1
D	498036	GEAR SET (Inc. 15, 19)	1	16	---	§ BODY	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 3, 4, 31)	1	17	---	§ THRUST PLATE, Body—Driven	1
F	498102	REPAIR KIT, Body (Inc. 5, 14, 16, 18, 20)	1	18	---	§ BEARING, Body	1
G	498035	REPAIR KIT, Cover (Inc. 8, 27, 28, 29)	1	19	---	§ GEAR, Driven	1
1	---	§ RING, Seal Retainer	1	20	---	§ PLUG, Body	1
2	---	§ SEAL, Outer Oil	1	21	---	§ WASHER, Back-up	1
3	---	§ RETAINER, Oil Seal	1	22	---	§ SCREW, Piston	1
4	---	§ SEAL, Inner Oil	1	23	---	§ BOLT, Cover to Body	1
5	---	§ STUD, Cover to Body	4	24	---	§ "O" RING, Piston	1
6	---	§ NUT, Cover to Body Stud	4	25	---	§ PISTON, Thrust Equalizer	1
7	---	§ WASHER, Cover to Body Stud	4	26	---	§ WASHER, Cover to Body Bolt	1
8	---	§ BEARING, Cover	1	27	---	§ PLUG, Cover	1
9	---	§ GASKET, Cover	1	28	---	§ BEARING, Cover	1
10	---	§ SPRING, Cover Thrust Plate	12	29	---	§ COVER	1
11	---	§ "O" RING, Cover Thrust Plate	2	30	---	§ THRUST PLATE, Cover — Driven	1
12	---	§ THRUST PLATE, Cover — Drive	1	31	---	§ "O" RING, Seal Retainer	2
				32	551906	1 GASKET, Pump to Converter	1
				33	8D-06	1 NUT, Pump to Converter	6
				34	4E-06	1 LKWSHR, Pump to Converter	6
				34A	221992	1 SLEEVE, Pump Drive	1

\*NOTE: When 450061 is used to replace 521237, 580413 Suction Tube must be used in place of 594367.  
 §Not Sold Separately — Order Kits.  
 †Not Illustrated

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



TS-3030

**HYDRAULIC PUMP – STEERING – G.M.**

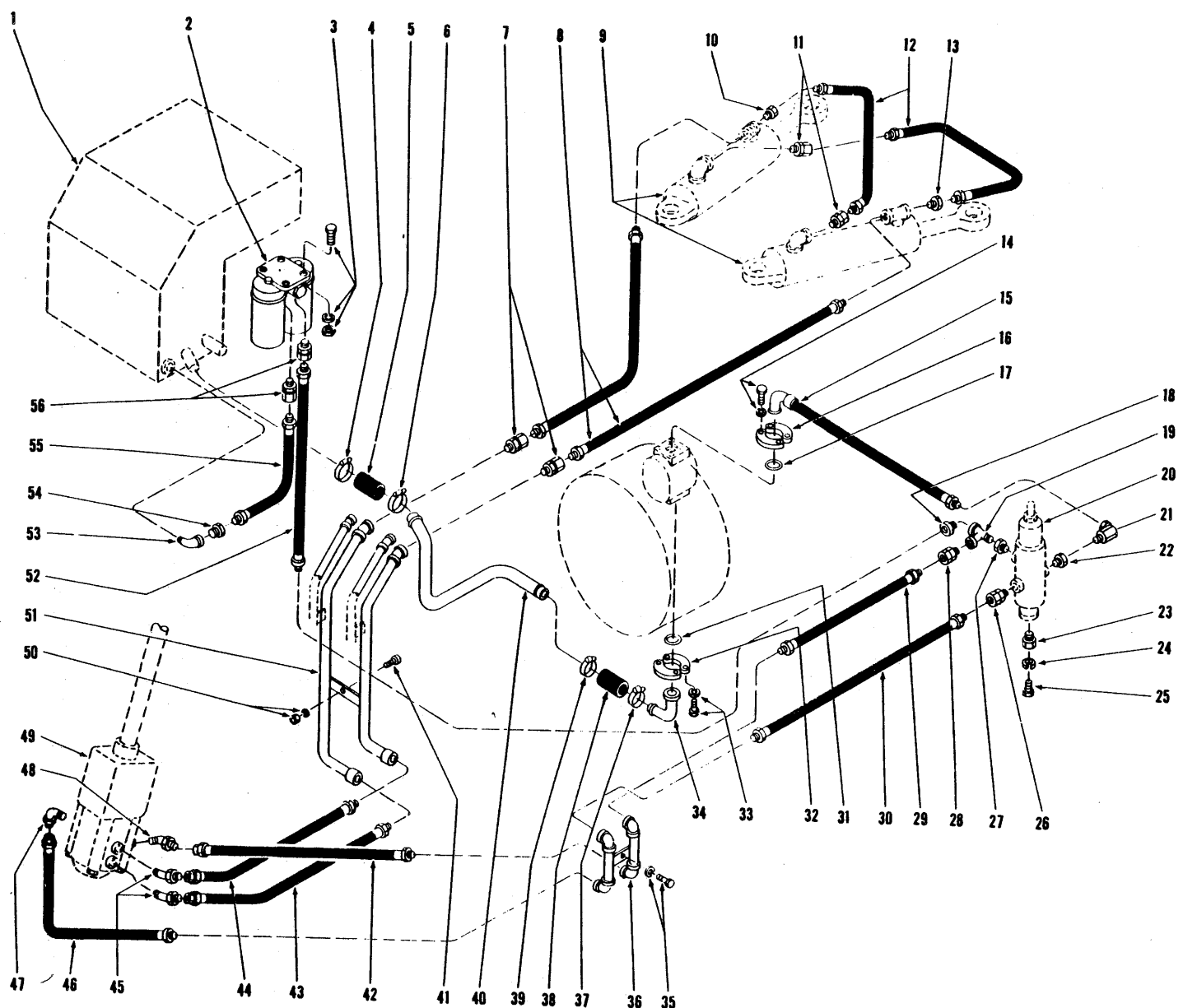
For Serial: 2TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	582686	PUMP ASSY (Inc. 1 thru 33)	1	15		§RING, Snap (See B)	1
B	944710	REPAIR KIT, Minor (Inc. 2, 7, 9, 12, 15, 16, 22, 28, 31, 32, 33)	1	16		§SHIM, Wear Plate (See B & F)	3
C	944800	GEAR & SHAFT SET (Inc. 1, 17, 18, 25)	1	17		§PIN, Shaft to Gear Dowel (See C)	1
D	944776	SEAL KIT, Shaft (Inc. 2, 7, 33)	1	18		§GEAR, Drive (See C)	1
E	944777	BEARING KIT (Inc. 8, 20)	1	19		§PLATE, Wear (See F)	2
F	944787	WEAR PLATE SET (Inc. 16, 19)	1	20		§BEARING, Roller (See E)	4
1		§SHAFT, Drive (See C)	1	21	884614	WASHER, Thrust	1
2		§SEAL, Shaft Outer (See B & D)	1	22		§"O" RING (See B)	4
3	944782	RETAINER, Shaft Outer Seal	1	23	12G-1064	BOLT, Cover & Housing to Adapter	4
4		§ADAPTER, Pump (See A)	1	24		§COVER, Pump (See A)	1
5	944783	RETAINER, Shaft Inner Seal	1	25		§GEAR, Driven (See C)	1
6	16F-01	PLUG, Adapter Port	3	26	944987	HOUSING, Pump Center Section	1
7		§"O" RING, Retainer (See B & D)	1	27	867753	PIN, Housing to Adapter & Cover Dowel	4
8	884605	BEARING, Shaft (See E)	1	28		§"O" RING, Housing (See B)	2
9		§SEAT ASSY, Seal (Inc. 10) (See B)	1	29		§KEY, Drive (See B)	1
10		§"O" RING, Seal Seat (See B)	1	30		§"O" RING, High Pressure Seal (See B)	1
11		§WASHER, "O" Ring Back-Up (See B)	1	31		§RING, Drive Shaft Snap (See B)	1
12		§SEAL ASSY, High Pressure (Inc. 11, 13, 14, 29, 30) (See B)	1	32		§RETAINER, Shaft Snap Ring (See B)	1
13		§SPRING, High Pressure Seal (See B)	1	33		§SEAL, Shaft Inner (See B & D)	1
14		§WASHER, High Pressure Seal (See B)	1	34	551906	†GASKET, Pump to Converter	1
				35	66D-06	†NUT, Pump to Converter	6
				36	221992	†SLEEVE, Pump Drive	1

§Not Sold Separately – Order Kits.  
†Not Illustrated

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





**HYDRAULIC SYSTEM - STEERING**  
For Serial: 44123 thru 44299, 1TC100, 1TC101, 1TC102

TS-2265-P

72.3

(1F-19)

PM 1480

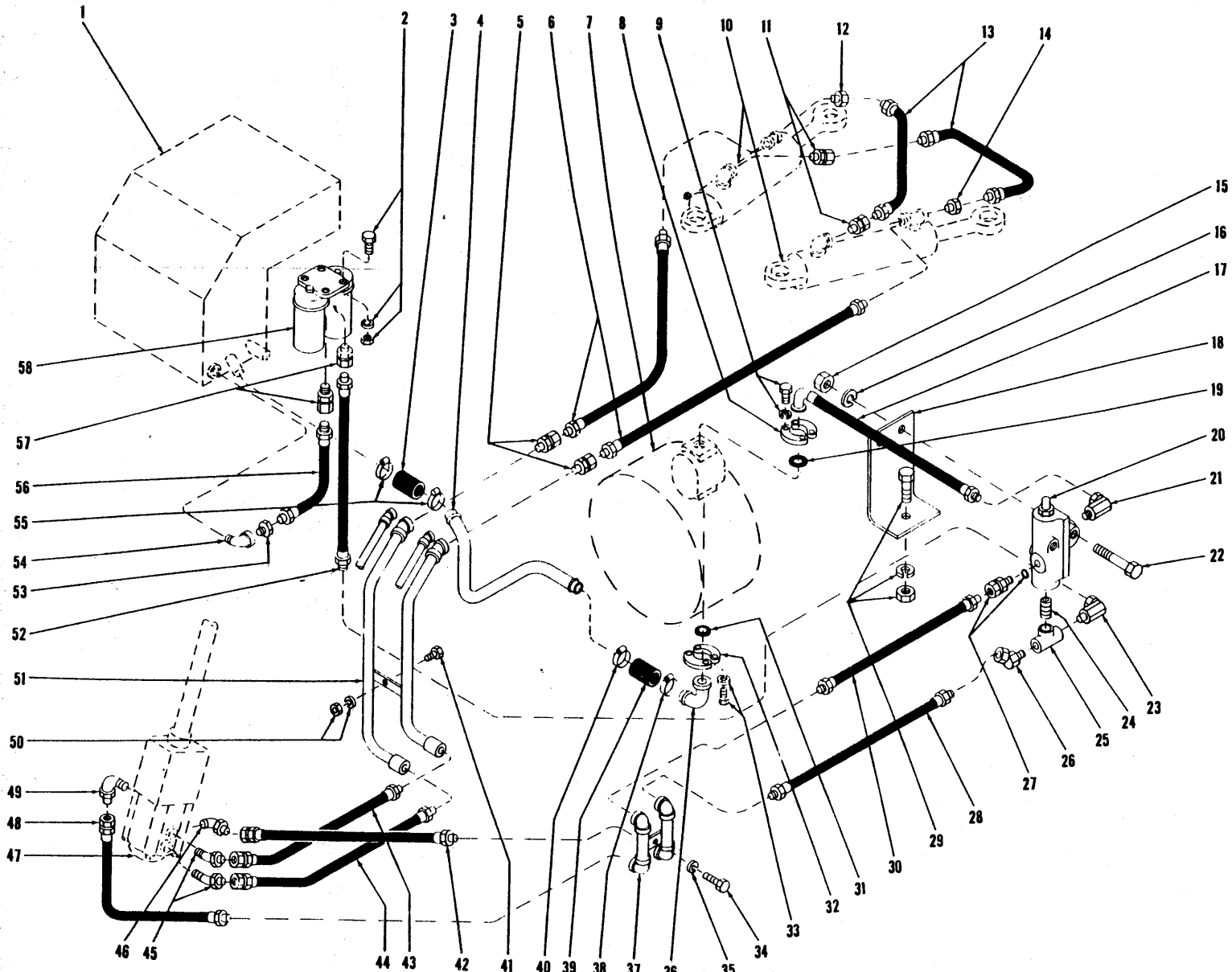
**HYDRAULIC SYSTEM — STEERING — CUMMINS**

For Serial 44123 thru 44299, 1TC100, 1TC101, 1TC102

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RESERVOIR, Hydraulic Oil—See Index	—	32	663094	FLANGE HALF, Stem to Pump	2
2	215500	FILTER, Steering System Oil (Inc. 2A)	1	33	1C-720	BOLT, Flange Half to Pump	4
2A	215502	†CARTRIDGE KIT	2	33A	4E-07	LKWSHR, Flange Half to Pump	4
3	2C-720	BOLT, Filter Attaching	4	34	593505	STEM, Hose to Pump	1
3A	2D-07	NUT, Filter Attaching	4	35	2C-828	BOLT, Pipe to Frame	1
3B	4E-07	LKWSHR, Filter Attaching	4	35A	4E-08	LKWSHR, Pipe to Frame	1
4	784663	CLAMP, Hose	1	36	594233	PIPE	1
5	585883	HOSE, Reservoir to Tube	1	37	784663	CLAMP, Hose	1
6	784663	CLAMP, Hose	1	38	585883	HOSE, Tube to Stem	1
7	36F-5	ADAPTER UNION	2	39	784663	CLAMP, Hose	1
8	550877	HOSE, Pipe to Steering Cylinder	2	40	-----	TUBE, Suction	—
9	-----	STEERING CYLINDER — See Index	—	40A	594367	For Serial 44123 thru 44299	1
10	356617	BUSHING, Cylinder Reducing	1	40B	580413	For Serial 1TC100, 1TC101, 1TC102	1
11	661427	ADAPTER UNION	2	41	2C-620	BOLT, Pipe to Firewall	3
12	593802	HOSE, Cylinder to Cylinder	2	42	593800	HOSE, Steering Gear to Pipe	1
13	356617	BUSHING, Cylinder Reducing	1	43	594065	HOSE, Steering Gear to Pipe	1
14	1C-620	BOLT, Flange Half to Pump	4	44	594179	HOSE, Steering Gear to Pipe	1
14A	4E-06	LKWSHR, Flange Half to Pump	4	45	18K-6	CONNECTOR ASSY (Inc. 45A)	2
15	594081	HOSE, Pump to Relief Valve	1	45A	91F-6	†"O" RING, Connector	2
16	663093	FLANGE HALF, Hose to Pump	2	46	593801	HOSE, Pipe to Steering Gear	1
17	25K-40110	"O" RING, Hose to Pump	1	47	17K-7	ELBOW ASSY (Inc. 47A)	1
18	356621	BUSHING, Tee Reducing	1	47A	91F-7	†"O" RING, Elbow	1
19	17F-6	TEE, Relief Valve	1	48	18K-7	CONNECTOR ASSY (Inc. 48A)	1
20	-----	RELIEF VALVE — See Index	—	48A	91F-7	†"O" RING, Connector	1
21	31F-5	ADAPTER UNION	1	49	-----	STEERING GEAR — See Index	—
22	356621	BUSHING, Relief Valve Reducing	1	50	2D-06	NUT, Pipe to Firewall	3
23	580500	MOUNT, Relief Valve	1	50A	4E-06	LKWSHR, Pipe to Firewall	3
24	4E-10	LKWSHR, Mount to Frame	1	51	594266	PIPE	1
25	2C-1020	BOLT, Mount to Frame	1	52	594338	HOSE, Relief Valve to Filter	1
26	661428	ADAPTER UNION	1	53	26F-7	ELBOW, Hose to Reservoir	1
27	356626	BUSHING, Relief Valve Reducing	1	54	356626	BUSHING, Elbow Reducing	1
28	661428	ADAPTER UNION	1	55	656131	HOSE, Filter to Reservoir	1
29	645432	HOSE, Tee to Pipe	1	56	36F-6	ADAPTER UNION	2
30	691800	HOSE, Relief Valve to Pipe	1				
31	25K-40116	"O" RING, Stem to Pump	1				

†Not Illustrated

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



**HYDRAULIC SYSTEM - STEERING - CUMMINS**

For Serial: 2TC1 and thereafter

TS-2039-P

74.1

(1F21)

PM 3780



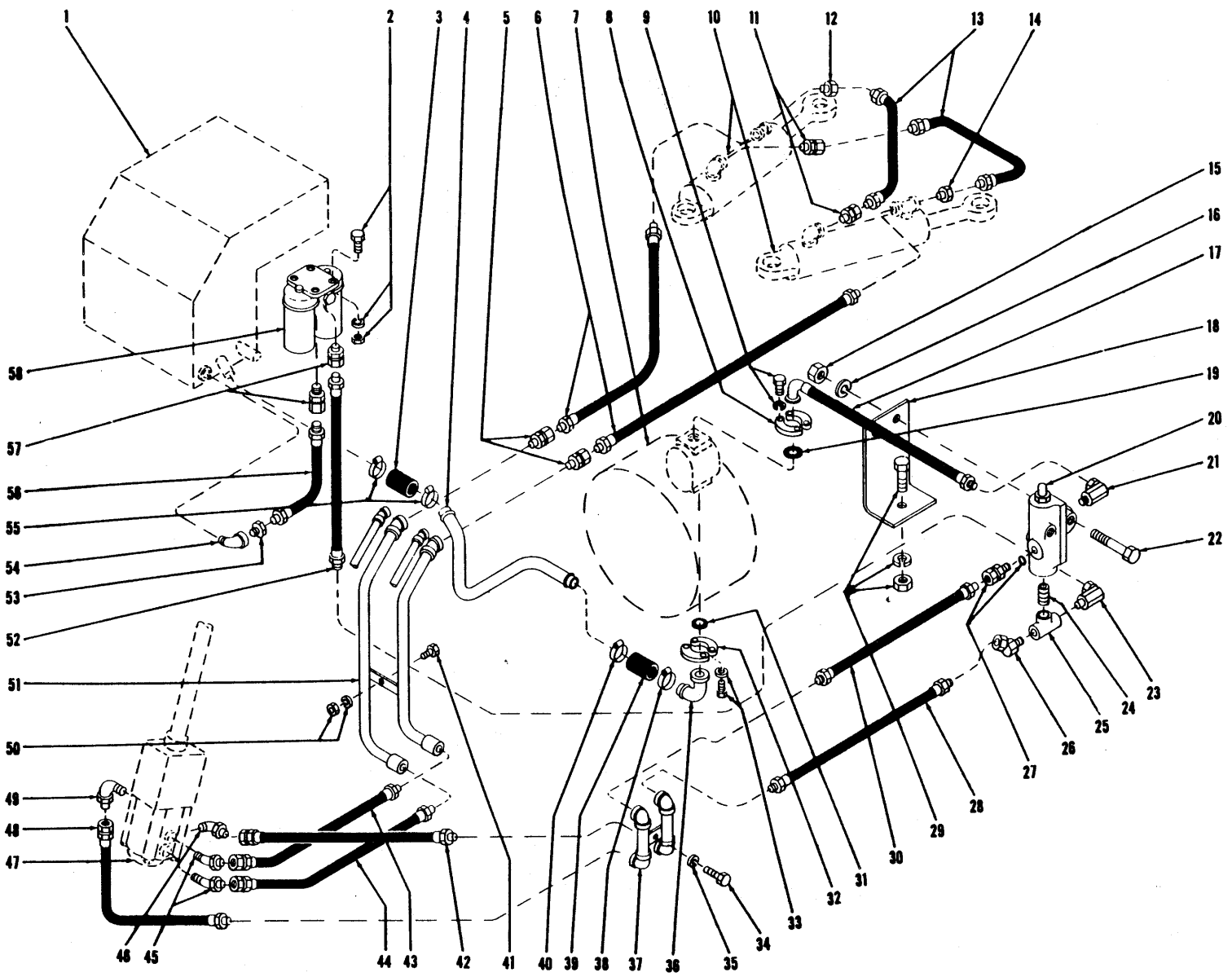
**HYDRAULIC SYSTEM — STEERING — CUMMINS**

For Serial 2TC1 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	HYDRAULIC OIL RESERVOIR — See Index	—	30	691800	HOSE, Valve to Pipe — Pressure	1
2	2C-720	BOLT, Filter Attaching	4	31	25K-40116	"O" RING, Stem to Pump	1
2A	4E-07	LKWSHR, Filter Attaching	4	32	663094	FLANGE HALF, Stem to Pump	2
2B	2D-07	NUT, Filter Attaching	4	33	4E-07	LKWSHR, Flange Half to Pump	4
3	585883	HOSE, Tube to Reservoir	1	33A	1C-720	BOLT, Flange Half to Pump	4
4	580413	TUBE, Reservoir to Pump	1	34	2C-828	BOLT, Pipe to Frame	1
5	36F-5	ADAPTER UNION	2	35	4E-08	LKWSHR, Pipe to Frame	1
6	550877	HOSE, Pipe to Cylinder	2	36	593505	STEM, Hose to Pump	1
7	-----	TORQUE CONVERTER — See Index	—	37	594233	PIPE	1
8	663093	FLANGE HALF, Hose to Pump	4	38	784663	CLAMP, Hose	1
9	1C-620	BOLT, Flange Half to Pump	4	39	585883	HOSE, Tube to Stem	1
9A	4E-06	LKWSHR, Flange Half to Pump	4	40	784663	CLAMP, Hose	1
10	-----	STEERING CYLINDER — See Index	—	41	2C-620	BOLT, Pipe to Firewall	3
11	661427	ADAPTER UNION	2	42	593800	HOSE, Steering Gear to Pipe	1
12	356617	BUSHING, Hose to Cylinder	1	43	594179	HOSE, Steering Gear to Pipe	1
13	593802	HOSE, Cylinder to Cylinder	2	44	594065	HOSE, Steering Gear to Pipe	1
14	356617	BUSHING, Hose to Cylinder	1	45	18K-6	CONNECTOR ASSY (Inc. 45A)	2
15	2D-05	NUT, Valve to Bracket	2	45A	91F-6	†"O" RING, Connector	1
16	4E-05	LKWSHR, Valve to Bracket	2	46	18K-7	CONNECTOR ASSY (Inc. 46A)	1
17	594081	HOSE, Valve to Pump	1	46A	91F-7	†"O"RING, Connector	1
18	581411	BRACKET, Valve Mounting	1	47	-----	STEERING GEAR — See Index	—
19	25K-40110	"O" RING, Hose to Pump	1	48	593801	HOSE, Pipe to Steering Gear	1
20	-----	PRESSURE RELIEF VALVE — See Index	—	49	17K-7	ELBOW ASSY (Inc. 49A)	1
21	531684	ADAPTER UNION	1	49A	91F-7	†"O" RING, Elbow	1
22	2C-536	BOLT, Valve to Bracket	2	50	2D-06	NUT, Pipe to Firewall	3
23	711046	ADAPTER UNION	1	50A	4E-06	LKWSHR, Pipe to Firewall	3
24	5K-611	NIPPLE, Tee to Valve	1	51	594266	PIPE	1
25	28K-212	TEE, Relief Valve	1	52	580229	HOSE, Filter to Valve	1
26	33F-5	ADAPTER UNION	1	53	356626	BUSHING, Hose to Elbow	1
27	763322	ADAPTER UNION	1	54	26F-7	ELBOW, Hose to Reservoir	1
27A	91F-7	"O" RING, Adapter Union	1	55	784663	CLAMP, Hose	2
28	645432	HOSE, Tee to Pipe — Return	1	56	656131	HOSE, Filter to Reservoir	1
29	2C-1020	BOLT, Bracket Attaching	1	57	36F-6	ADAPTER UNION	2
29A	4E-10	LKWSHR, Bracket Attaching	1	58	215500	FILTER ASSY (Inc. 58A)	1
29B	2D-10	NUT, Bracket Attaching	1	58A	215502	†CARTRIDGE KIT, Filter	2

†Not Illustrated

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



HYDRAULIC SYSTEM - STEERING - G.M.

TS-2039

74A-1

(1F29)

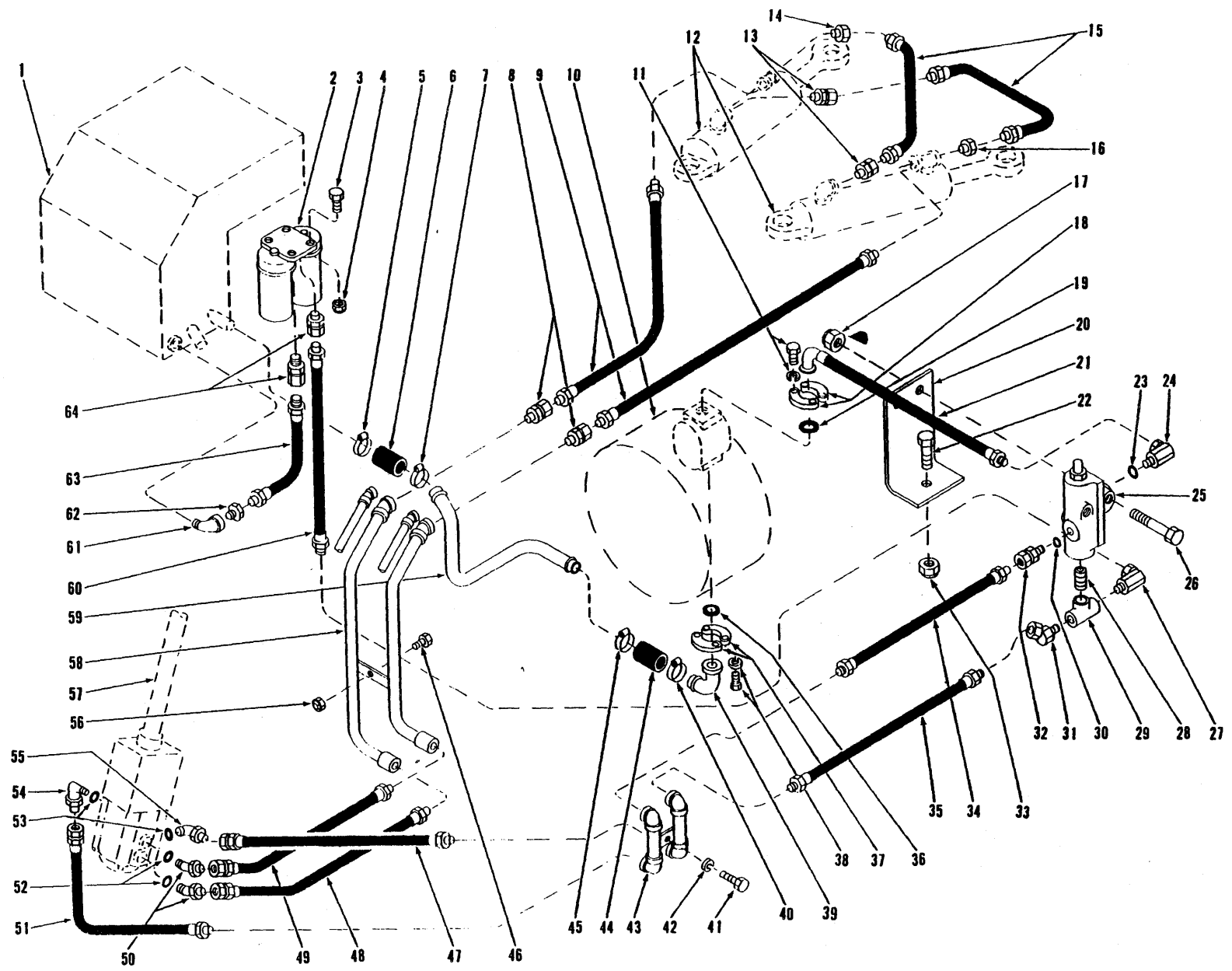
PM 1480

**HYDRAULIC SYSTEM — STEERING — G.M.**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	----	HYDRAULIC OIL RESERVOIR — See Index .....	—	29B	18D-10	NUT, Bracket Attaching .....	1
2	18C-720	BOLT, Filter Attaching .....	4	30	691800	HOSE, Valve to Pipe — Pressure .....	1
2A	----	OMIT — Not applicable this model .....	—	31	25K-40116	“O” RING, Stem to Pump .....	1
2B	18D-07	NUT, Filter Attaching .....	4	32	663094	FLANGE HALF, Stem to pump .....	2
3	585883	HOSE, Tube to Reservoir .....	1	33	17C-720	LKWSHR, Flange Half to Pump .....	4
4	581776	*TUBE, Reservoir to Pump .....	1	33A	4E-07	LKWSHR, Flange Half to Pump .....	4
4A	585912	**TUBE, Reservoir to Pump .....	1	34	18C-828	BOLT, Pipe to Frame .....	1
5	36F-5	ADAPTER UNION .....	2	35	4E-08	LKWSHR, Pipe to Frame .....	1
6	550877	HOSE, Pipe to Cylinder .....	2	36	593505	STEM, Hose to Pump .....	1
7	----	TORQUE CONVERTER — See Index .....	—	37	594233	PIPE .....	1
8	663093	FLANGE HALF, Hose to Pump .....	2	38	784663	CLAMP, Hose .....	1
9	17C-620	BOLT, Flange Half to Pump .....	4	39	585883	HOSE, Tube to Stem .....	1
9A	4E-06	LKWSHR, Flange Half to Pump .....	4	40	784663	CLAMP, Hose .....	1
10	----	STEERING CYLINDER — See Index .....	—	41	18C-620	BOLT, Pipe to Firewall .....	3
11	661427	ADAPTER UNION .....	2	42	593800	HOSE, Steering Gear to Pipe .....	1
12*	356617	BUSHING, Hose to Cylinder .....	1	43	594179	HOSE, Steering Gear to Pipe .....	1
13	593802	HOSE, Cylinder to Cylinder .....	2	44	594065	HOSE, Steering Gear to Pipe .....	1
14	356617	BUSHING, Hose to Cylinder .....	1	45	18K-6	ELBOW ASSY (Inc. 45A) .....	2
15	18D-05	NUT, Valve to Bracket .....	2	45A	91F-6	†“O” RING, Connector .....	1
16	----	OMIT—Not applicable this model .....	—	46	18K-7	ELBOW ASSY (Inc. 46A) .....	1
17	594081	HOSE, Valve to Pump .....	1	46A	91F-7	†“O” RING, Connector .....	1
18	581411	BRACKET, Valve Mounting .....	1	47	----	STEERING GEAR — See Index .....	—
19	25K-40110	“O” RING, Hose to Pump .....	1	48	593801	HOSE, Pipe to Steering Gear .....	1
20	----	PRESSURE RELIEF VALVE — See Index .....	—	49	17K-7	ELBOW ASSY (Inc. 49A) .....	1
21	531684	ADAPTER UNION .....	1	49A	91F-7	†“O” RING, Elbow .....	1
22	18C-536	BOLT, Valve to Bracket .....	2	50	18D-06	NUT, Pipe to Firewall .....	3
23	711046	ADAPTER UNION .....	1	50A	----	OMIT — Not applicable this model .....	—
24	5K-611	NIPPLE, Tee to Valve .....	1	51	594266	*PIPE .....	1
25	28K-212	TEE, Relief Valve .....	1	51A	583639	**PIPE .....	1
26	33F-5	ADAPTER UNION .....	1	52	580229	HOSE, Filter to Valve .....	1
27	763322	ADAPTER UNION .....	1	53	356626	BUSHING, Hose to Elbow .....	1
27A	91F-7	“O” RING, Adapter Union .....	1	54	26F-7	ELBOW, Hose to Reservoir .....	1
28	645432	HOSE, Tee to Pipe — Return .....	1	55	784663	CLAMP, Hose .....	2
29	18C-1020	BOLT, Bracket Attaching .....	1	56	656131	HOSE, Filter to Reservoir .....	1
29A	----	OMIT, Not applicable this model .....	—	57	36F-6	ADAPTER UNION .....	2
				58	215500	FILTER ASSY (Inc. 58A) .....	1
				58A	215502	†CARTRIDGE KIT, Filter .....	2

†Not Illustrated  
 \*NOTE: For Serial 2TG101 thru 2TG999.  
 \*\*NOTE: For Serial 3TG101 & after.

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



HYDRAULIC SYSTEM — STEERING

TS-5021-P

748.1

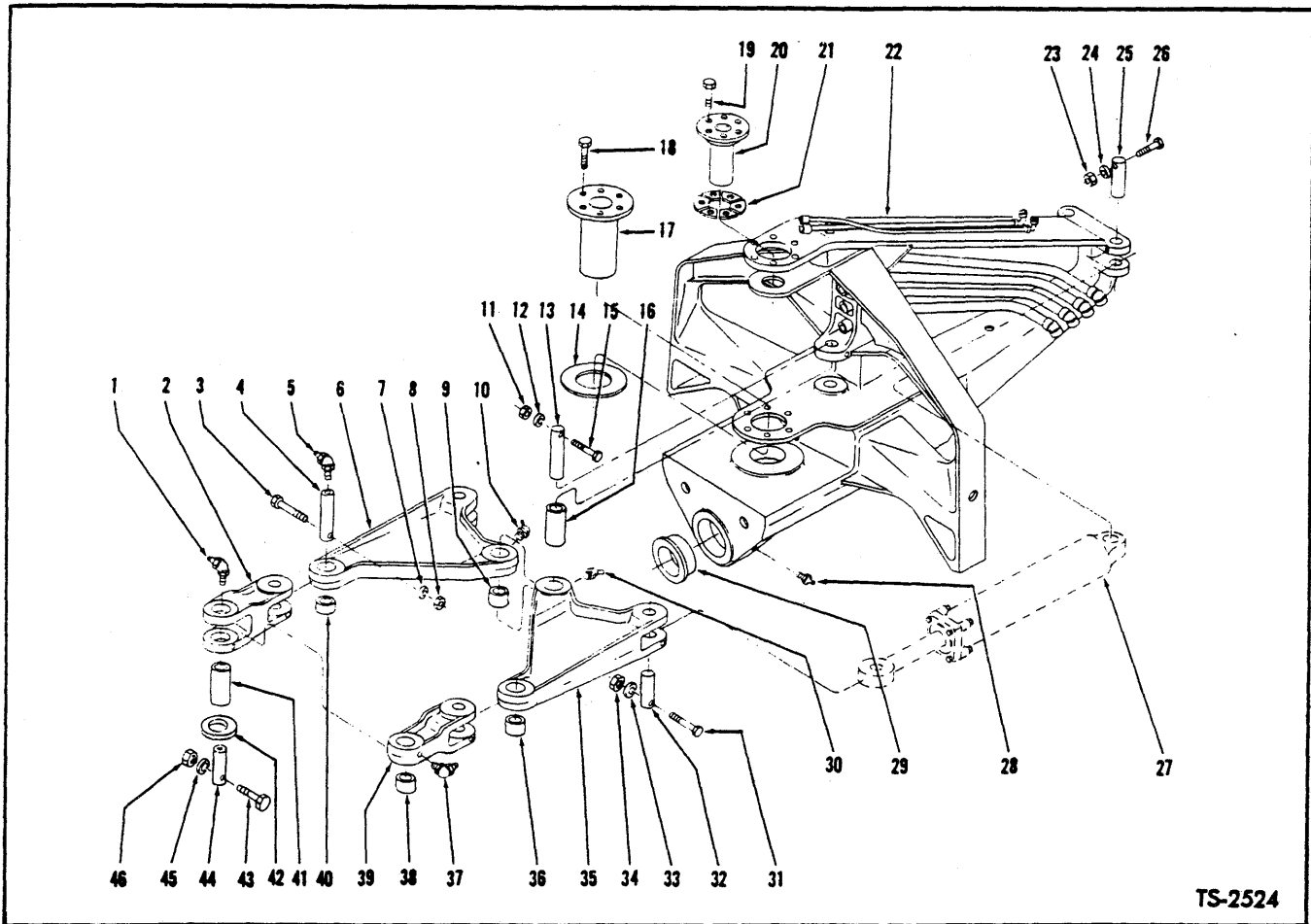
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PM 1480

**HYDRAULIC SYSTEM — STEERING**  
Serial Numbers 4TG101 thru 4TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	RESERVOIR — See Index .....	—	33	18D-10	NUT, Bracket Mounting .....	1
2	215500	FILTER, Steering Oil (Inc. 2A).....	1	34	691800	HOSE, Pipe to Valve—Pressure .....	1
2A	215502	†CARTRIDGE KIT, Steering Oil .....	2	35	645432	HOSE, Pipe to Valve—Return .....	1
3	18C-720	BOLT, Filter Mounting .....	4	36	25K-40116	"O" RING, Flange Half .....	1
4	18D-07	NUT, Filter Mounting .....	4	37	663094	FLANGE HALF .....	2
5	784663	CLAMP, Hose .....	1	38	17C-720	BOLT, Stem to Pump .....	4
6	585883	HOSE, Reservoir to Tube .....	1	38A	4E-07	LKWSHR, Stem to Pump .....	4
7	784663	CLAMP, Hose .....	1	39	593505	STEM, Oil Suction .....	1
8	36F-5	ADAPTER UNION .....	2	40	784663	CLAMP, Hose .....	1
9	550877	HOSE, Steer Cylinder to Pipes .....	2	41	18C-828	BOLT, Pipe Mounting .....	1
10	—	TORQUE CONV —See P.M.S. 1724....	—	42	4E-08	LKWSHR, Pipe Mounting .....	1
11	17C-620	BOLT, Hose to Pump .....	4	43	594233	PIPE ASSY .....	1
11A	4E-06	LKWSHR, Hose to Pump .....	4	44	585883	HOSE, Suction Tube to Stem .....	1
12	—	STEER CYLINDERS — See P.M.S. 2023	—	45	784663	CLAMP, Hose .....	1
13	661427	ADAPTER UNION .....	2	46	18C-620	BOLT, Pipe Mounting .....	3
14	356617	BUSHING, Reducing .....	1	47	593800	HOSE, Steering Gear to Pipe .....	1
15	593802	HOSE, Steering Cyl. Crossover .....	2	48	594065	HOSE, Steering Gear to Pipe .....	1
16	356617	BUSHING, Reducing .....	1	49	594179	HOSE, Steering Gear to Pipe .....	1
17	18D-05	NUT, Valve to Bracket .....	2	50	18K-6	ADAPTER UNION .....	2
18	663093	FLANGE HALF, Hose to Pump .....	2	51	593801	HOSE, Steering Gear to Pipe .....	1
19	25K-40110	"O" RING, Flange Half .....	1	52	91F-6	"O" RING, Adapter Union .....	2
20	581411	BRACKET, Valve Mounting .....	1	53	91F-7	"O" RING, Adapter Union .....	2
21	594081	HOSE, Pump to Valve — Pressure .....	1	54	17K-7	ADAPTER UNION .....	1
22	18C-1020	BOLT, Bracket Mounting .....	1	55	18K-7	ADAPTER UNION .....	1
23	91F-7	"O" RING, Adapter Union .....	1	56	18D-06	NUT, Pipe Mounting .....	3
24	531684	ADAPTER UNION (Inc. 23) .....	1	57	—	STEERING GEAR — See P.M. 1480 .....	—
25	—	VALVE, Press. Relief—See P.M. 1480..	—	58	583639	PIPE ASSY .....	1
26	18C-536	BOLT, Valve to Bracket .....	2	59	585912	TUBE, Suction .....	1
27	711046	ADAPTER UNION .....	1	60	580229	HOSE, Valve to Filter — Pressure .....	1
28	5K-611	NIPPLE, Tee to Valve .....	1	61	26F-7	ELBOW, Hose to Reservoir .....	1
29	28K-212	TEE, Valve Return .....	1	62	356626	BUSHING, Reducing .....	1
30	91F-7	"O" RING .....	1	63	656131	HOSE, Filter to Reservoir — Return .....	1
31	33F-5	ADAPTER UNION .....	1	64	36F-6	ADAPTER UNION .....	2
32	763322	ADAPTER UNION .....	1				

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



TS-2524

**STEERING ASSEMBLY AND BELL CRANKS**

For Serial: Cummins - 44123 thru thru 44299, ITC100 and after  
G.M. - 2TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	12H-15	FITTING, Pin Grease	1	24	4E-08	LKWSHR, Pin Retaining	2
2	559365	LINK, L.H. Steering	1	25	594547	PIN, Cylinder to Steering Assy	2
3	18C-864	BOLT, Pin Retaining	2	26	18C-872	BOLT, Pin Retaining	2
4	584757	PIN, Bell Crank to Rear Link	2	27		STEERING CYLINDER — See Index	—
5	12H-15	FITTING, Pin Grease	2	28	10H-25	FITTING, Trunnion Pin Grease	2
6	592047	BELL CRANK ASSY—L.H. (Inc. 9, 41)	1	29	569837	BUSHING, Trunnion Pin	2
7	4E-08	LKWSHR, Pin Retaining	2	30	12H-25	FITTING, Bell Crank Grease	2
8	18D-08	NUT, Pin Retaining	2	31	18C-880	BOLT, Pin Retaining	2
9	590895	BUSHING, Bell Crank	1	32	594547	PIN, Cylinder to Bell Crank	2
10	12H-15	FITTING, Bell Crank Grease	1	33	4E-08	LKWSHR, Pin Retaining	2
11	18D-08	NUT, Pin Retaining	1	34	18D-08	NUT, Pin Retaining	2
12	4E-08	LKWSHR, Pin Retaining	1	35	592046	BELL CRANK ASSY — R.H. (Inc. 36)	1
13	584754	PIN, Bell Crank to Steering Assy	1	36	559295	BUSHING, R.H. Bell Crank	1
14	590519	WASHER, Lower Pivot Pin	1	37	12H-15	FITTING, Link Grease	1
15	18C-880	BOLT, Pin Retaining	1	38	590895	BUSHING, R.H. Link	1
16	559294	SLEEVE, Bell Crank	1	39	592045	LINK ASSY, R.H. Steering (Inc. 39)	1
17	592946	PIN, Lower Pivot	1	40	559295	BUSHING, L.H. Bell Crank	1
18	594052	BOLT, Lower Pivot Pin	6	41	559294	SLEEVE, Steering Link	1
19	594053	BOLT, Upper Pivot Pin	6	42	591990	‡WASHER, Cranks to Strg. Assy—1/8"	—
20	590505	PIN, Upper Pivot	1	42A	591989	‡WASHER, Cranks to Strg. Assy—1/16"	—
21	590573	‡SEGMENT, Upper Pin Spacer — 1/8"	—	43	18C-864	BOLT, Pin Retaining	1
21A	590574	‡SEGMENT, Upper Pin Spacer — 1/16"	—	44	594550	PIN, Link to Yoke	1
22	594274	*STEERING ASSY	1	45	4E-08	LKWSHR, Pin Retaining	1
23	18D-08	NUT, Pin Retaining	2	46	62D-08	NUT, Pin Retaining	1

‡As Required

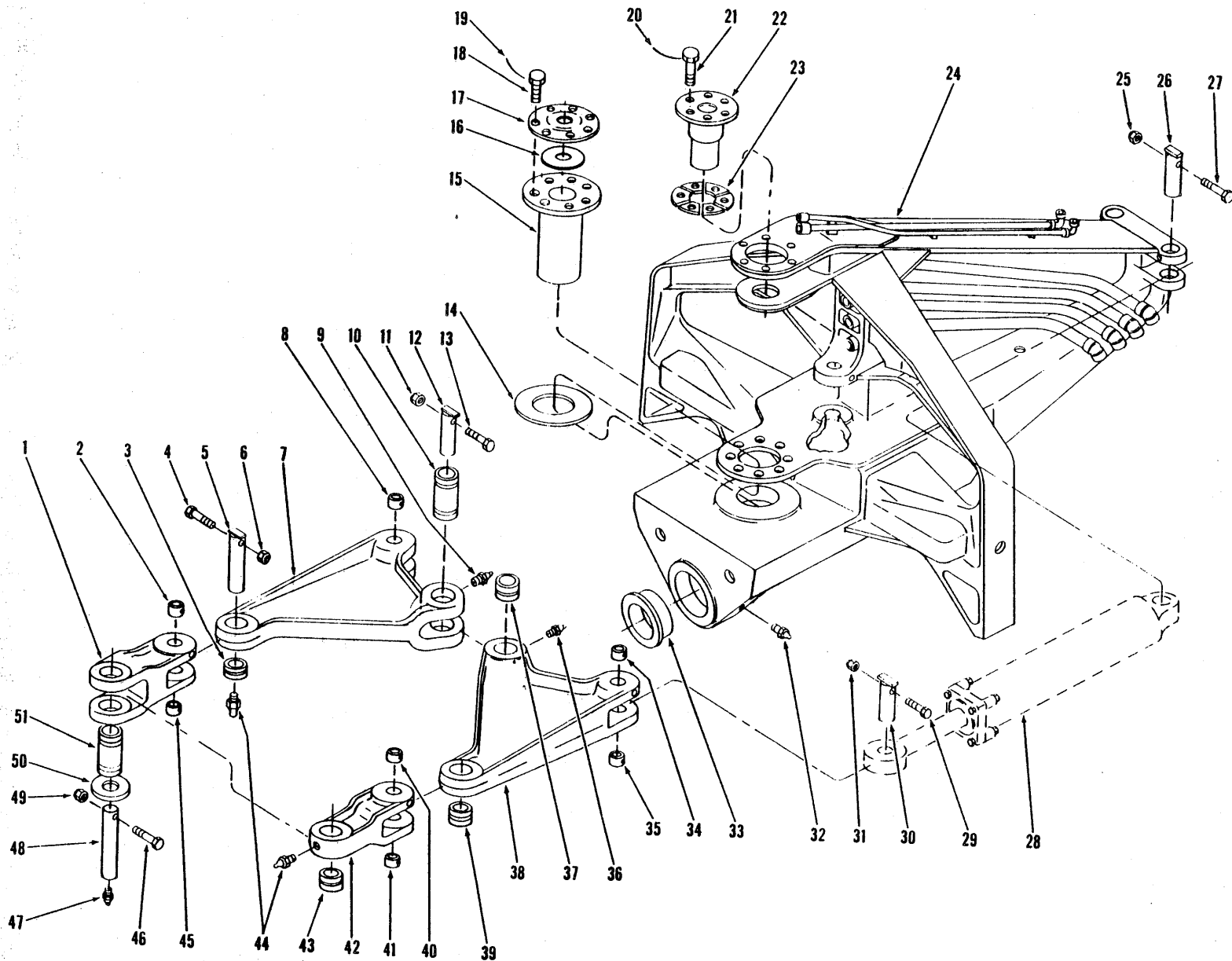
\*NOTE: For replacement use 1—559385 Steering Assy plus 1—559368 Upper Pivot Pin, 1—569757 Lower Pivot Pin, 4—18C-1020 Bolts, 4—4E-10 LkwsHR; 2—569841 Support Plates & 1—570015 Installation Drawing.

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

C

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C



STEERING ASSEMBLY AND BELL CRANKS - G.M.  
For Serial: 4TG101 and after

TS-5050-P

76A.1

(11 17)

REV. 1-1-50





**CONSTRUCTION MACHINERY DIVISION**  
**STEERING ASSEMBLY AND BELL CRANKS — G.M.**  
**For Serial: 4TG101 and after**



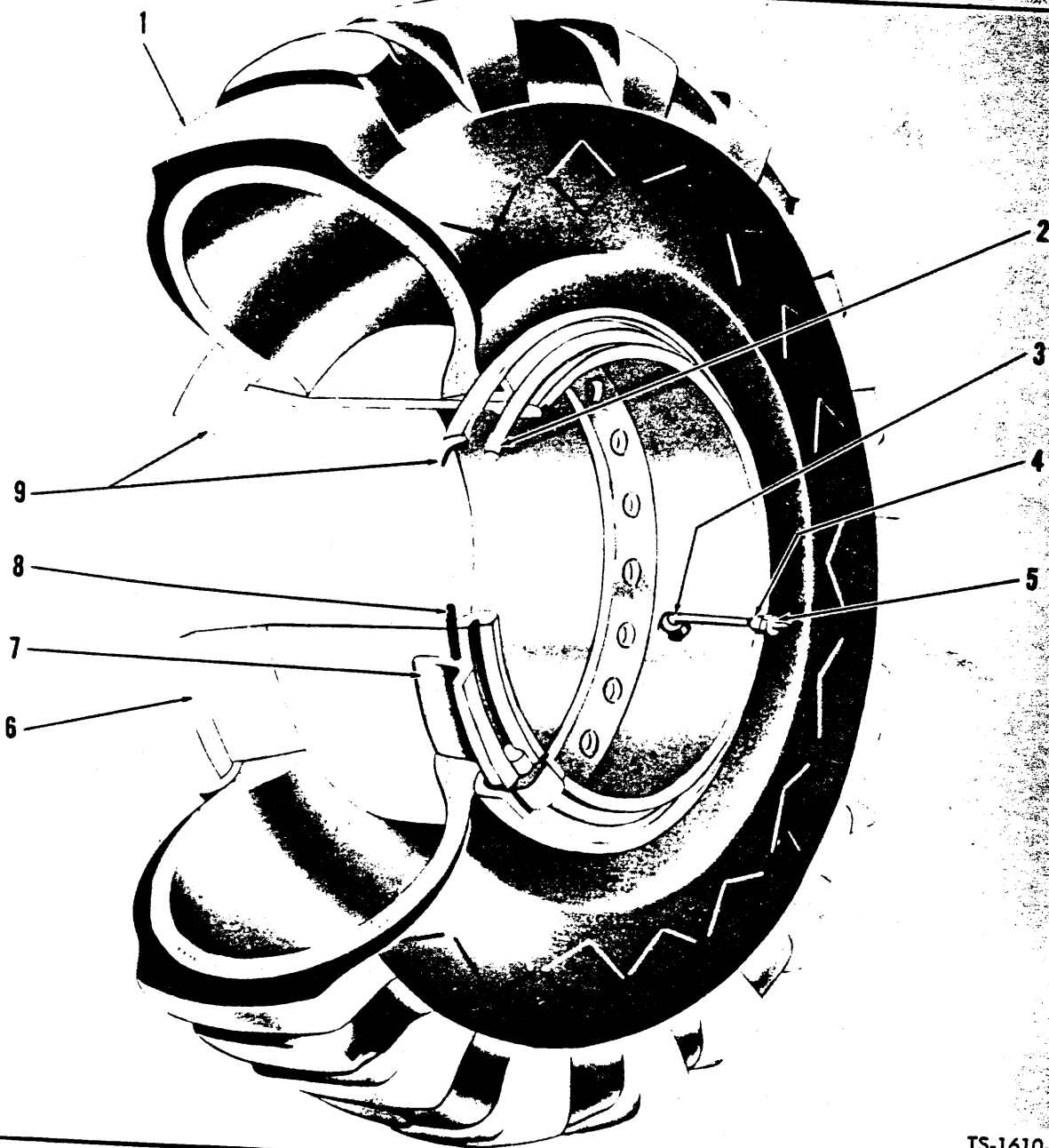
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	559365	LINK, L.H. Steering (Inc. 2, 45)	1	28	———	STEER CYLINDER—See P.M.S. 2023	—
2	574816	BUSHING, Steering Link	1	29	18C-880	BOLT, Pin Retaining	2
3	559295	BUSHING, Bell Crank	1	30	584796	PIN, Cylinder to Bell Crank	2
4	18C-864	BOLT, Pin Retaining	2	31	18D-08	NUT, Pin Retaining	2
5	584757	PIN, Bell Crank to Rear Link	2	32	10H-25	FITTING, Trunnion Pin Grease	2
6	18D-08	NUT, Pin Retaining	2	33	569837	BUSHING, Trunnion Pin	2
7	592046	BELL CRANK (Inc. 3, 8, 8A)	1	34	574842	BUSHING, Bell Crank Upper — With Hole	1
8	574842	BUSHING, Bell Crank—With Hole	1	35	572840	BUSHING, Bell Crank Lower — Without Hole	1
8A	574840	† BUSHING, Bell Crank—Without Hole	1	36	12H-15	FITTING, Bell Crank Grease	1
9	12H-25	FITTING, Bell Crank Grease	2	37	559296	BUSHING, Bell Crank	1
10	559294	SLEEVE, Bell Crank	1	38	592047	BELL CRANK ASSY (Inc. 34, 35, 37, 39)	1
11	18D-08	NUT, Pin Retaining	1	39	559295	BUSHING, Bell Crank	1
12	584754	PIN, Bell Crank to Steering Assy	1	40	574816	BUSHING, Steering Link	1
13	18C-880	BOLT, Pin Retaining	1	41	547816	BUSHING, Steering Link	1
14	590519	WASHER, Lower Pivot Pin	1	42	592045	LINK ASSY, Steering (Inc. 40, 41, 43)	1
15	592946	PIN, Lower Pivot	1	43	559296	BUSHING, Steering Link	1
16	583113	SHIELD, Dirt—For Rear Dump Only	1	44	12H-15	FITTING, Steering Link Grease	2
17	583700	RETAINER, Dirt Shield—For Rear Dump Only	1	45	574816	BUSHING, Steering Link	1
18	594052	BOLT, Lower Pivot Pin	6	46	18C-864	BOLT, Pin Retaining	1
19	———	LOCKWIRE (16 ga. x 15" lg.)	3	47	10H-25	FITTING, Pin Grease	1
20	———	LOCKWIRE (16 ga. x 10" lg.)	3	48	594550	PIN, Link to Yoke	1
21	594053	BOLT, Upper Pivot Pin	6	49	18D-08	NUT, Pin Retaining	1
22	590505	PIN, Upper Pivot	1	50	591989	‡ WASHER, Cranks to Steering Assy — 1/8"	—
23	590573	‡ SEGMENT, Upper Pivot Spacer—1/8"	—	50A	591990	‡ WASHER, Cranks to Steering Assy — 1/8"	—
23A	590574	‡ SEGMENT, Upper Pivot Spacer—1/8"	—	51	559294	SLEEVE, Steering Links	1
24	594274	* STEERING ASSY (Inc. 36)	1				
25	18D-08	NUT, Pin Retaining	2				
26	584796	PIN, Cylinder to Steering Assy	2				
27	18C-872	BOLT, Pin Retaining	2				

† Not Illustrated

‡ As Required

\* NOTE: For replacement use 559385 Steering Assy. plus 1—559368 Upper Pivot Pin, 1—569757 Lower Pivot Pin, 4—18C-1020 Bolts, 4—4E-10 Lkwshrs, 2—569841 Support Plates & 1—570015 Installation Drawing.

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



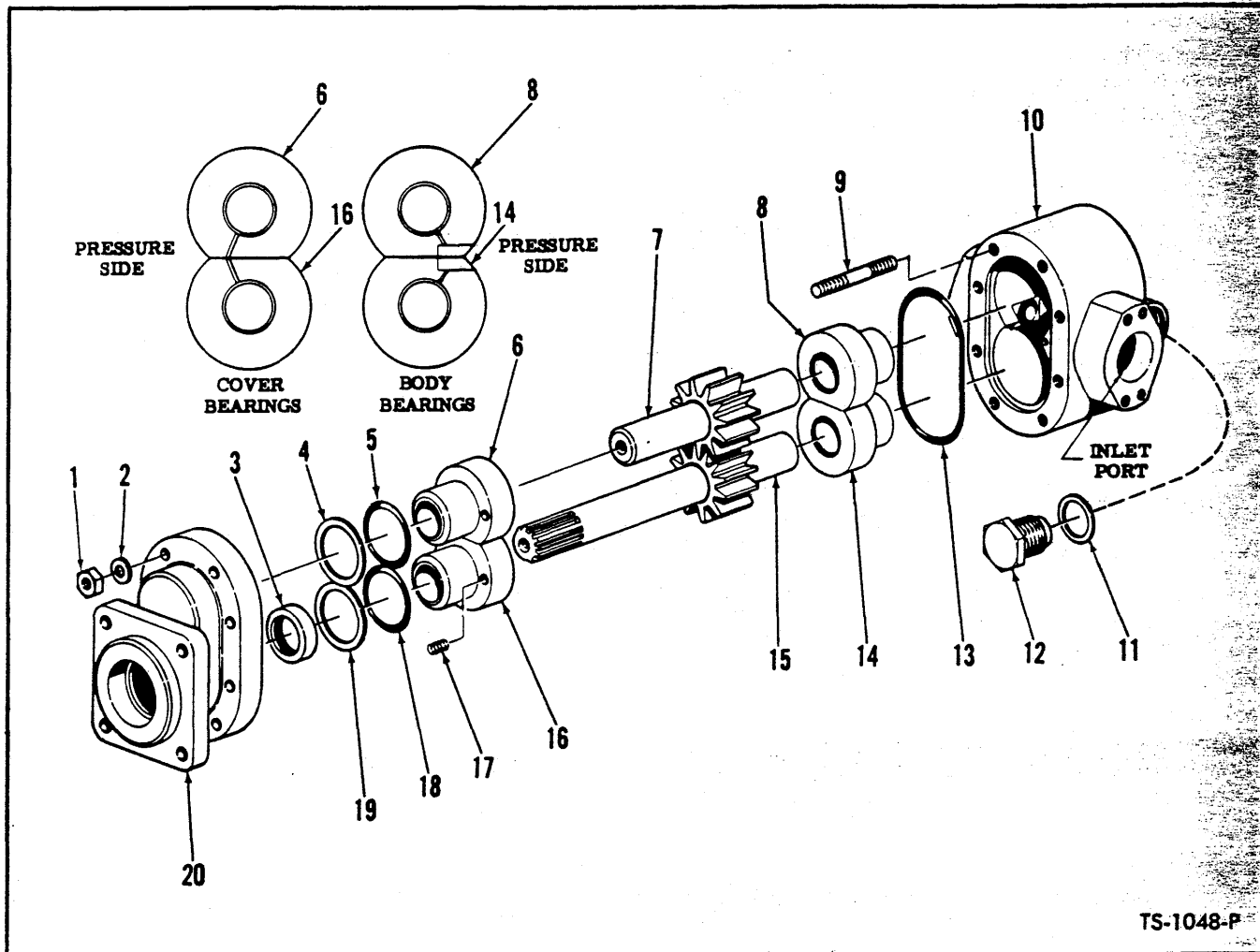
TS-1610-P

**WHEEL AND TIRE DATA**

Item No	Part No.	Description	No. Req'd.
1	-----	TIRE—23.5 x 25	
2	580274	RING, Lock	2
3	509445	VALVE STEM (Inc. 4, 5)	2
4	551684	ADAPTER, Valve Stem	2
5	551685	CAP, Valve Stem	2
6	581648	WHEEL—23.5 x 25	2
7	553956	BAND, Bead Seat	2
8	580278	"O" RING	2
9	551341	FLANGE	2
0	529310	†PLUG, Water Filling	4
			2

Not Illustrated

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



TS-1048-P

**HYDRAULIC PUMP — APRON, BOWL AND EJECTOR — CUMMINS**

For Serial 44123 thru 44299

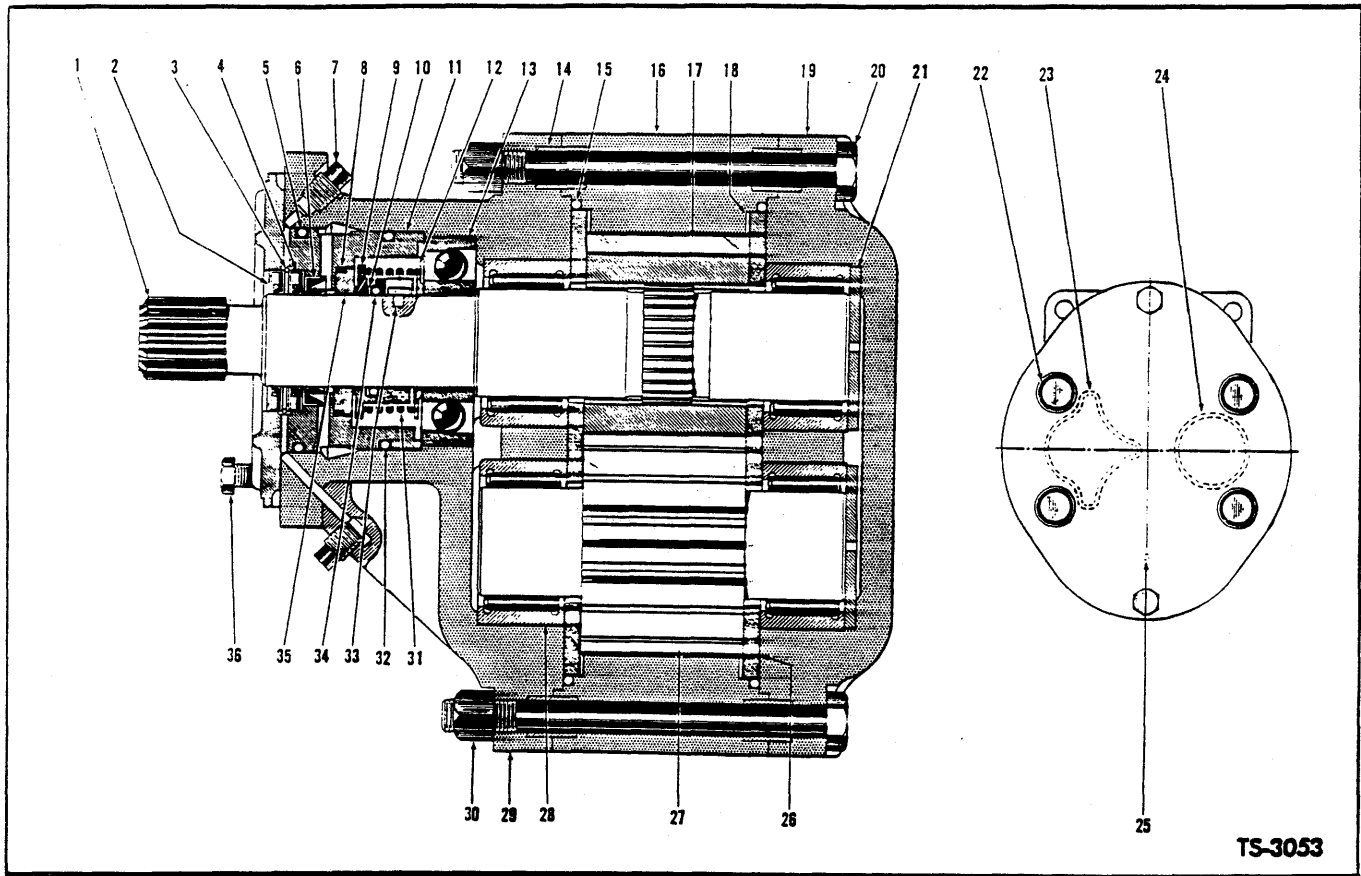
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	591267	*PUMP ASSY (Inc. 1 thru 20)	1	11	---	§GASKET, Seal Relief	1
B	943378	REPAIR KIT, Major (Inc. 1 thru 6, 8, 9, 11, 13, 14, 16 thru 19)	1	12	---	§RETAINER, Seal Relief	1
C	943308	REPAIR KIT, Minor (Inc. 3, 4, 5, 11, 13, 18, 19)	1	13	---	§SEAL RING, Cover	1
D	943322	GEAR SET, Drive & Driven (Inc. 7, 15)	1	14	---	§BEARING, Body — Drive	1
1	---	§NUT, Cover to Body	8	15	---	§GEAR, Drive	1
2	---	§WASHER, Cover to Body	8	16	---	§BEARING, Cover — Drive	1
3	---	§SEAL, Shaft	1	17	---	§SPRING, Bearing	1
4	---	§WASHER, Back-up	1	18	---	§RING, Cover Bearing	1
5	---	§RING, Cover Bearing	1	19	---	§WASHER, Back-up	1
6	---	§BEARING, Cover — Driven	1	20	941547	COVER	1
7	---	§GEAR, Driven	1	21	219413	†SLEEVE, Pump Drive	1
8	---	§BEARING, Body — Driven	1	22	664140	†RING, Sleeve Retaining	1
9	---	§STUD, Cover to Body	8	23	552161	†GASKET, Pump to Converter	1
10	943257	BODY	1	24	2D-08	†NUT, Pump to Converter	4
				25	4E-08	†LKWSHR, Pump to Converter	1

\*NOTE: When complete pump is replaced use 450008 Pump.

†Not Illustrated

§Not Sold Separately

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



TS-3053

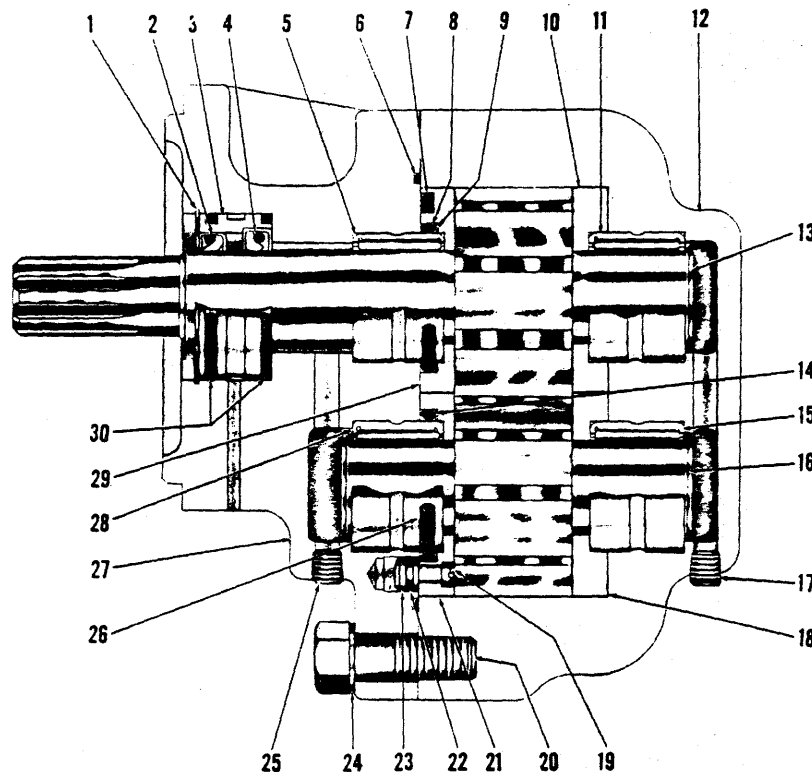
**HYDRAULIC PUMP – APRON, BOWL AND EJECTOR**  
For Serial 2TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	582269	PUMP ASSY (Inc. 1 thru 36)	1	17		§GEAR, Drive (See D)	1
B	944815	REPAIR KIT, Minor (Inc. 2 thru 6, 8, 9, 15, 18, 23, 23A, 24, 32, 35)	1	18		§SHIM, Wear Plate (See B & F)	4
C	944795	SHAFT SEAL KIT (Inc. 2, 3, 4, 5, 6, 32)	1	19		§COVER, Pump (See A)	1
D	944707	SHAFT & GEAR KIT (Inc. 1, 17, 27)	1	20	2C-880	BOLT, Cover to Housing & Adapter	2
E	944792	BEARING KIT (Inc. 13, 21, 28)	1	21	875364	PLATE, Thrust (See E)	2
F	944799	WEAR PLATE SET (Inc. 18, 26)	1	22	12G-1468	BOLT, Cover & Adapter to Housing	4
1		§SHAFT, Drive (See D)	1	23		§"O" RING (See B)	2
2		§SEAL, Shaft Outer (See B & C)	1	23A		§†WASHER, "O" Ring Back-Up (See B)	2
3		§RING, Snap (See B & C)	1	24		§"O" RING (See B)	2
4		§SEAL, Shaft Outer (See B & C)	1	25	209968	PIN, Roll	2
5		§"O" RING, Outer Seal Retainer (See B & C)	1	26		§PLATE, Wear (See F)	2
6		§SEAL, Shaft Inner (See B & C)	1	27		§GEAR, Driven (See D)	1
7	16F-02	PLUG, Adapter Port	3	28		§BEARING, Roller (See E)	4
8		§"O" RING, Seal Seat (See B)	1	29		§ADAPTER, Pump (See A)	1
9		§SEAL ASSY, High Pressure (Inc. 10, 12, 31, 33, 34) (See B)	1	30	18D-08	NUT, Cover & Adapter to Housing	2
10		§WASHER, "O" Ring Back-Up (See B)	1	31		§SPRING, High Pressure Seal (See B)	1
11	944805	RETAINER, Shaft Seal	1	32		§"O" RING, Retainer (See B & C)	1
12		§WASHER, Thrust (See B)	1	33		§KEY, Drive (See B)	1
13	875254	BEARING, Drive Shaft (See E)	1	34		§"O" RING, High Pressure Seal (See B)	1
14	944826	DOWEL, Housing to Adapter & Cover	4	35		§SEAT ASSY, Seal (Inc. 8) (See B)	1
15		§"O" RING, Housing (See B)	2	36	944827	BOLT, Retainer	6
16	944992	HOUSING, Center Section	1	37	18D-08	†NUT, Pump to Converter	4
				38	552161	†GASKET, Pump to Converter	4
				39	221988	†SLEEVE, Pump	1
				40	223890	†RING, Snap	1

§Not Sold Separately — Order Kits.

†Not Illustrated

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



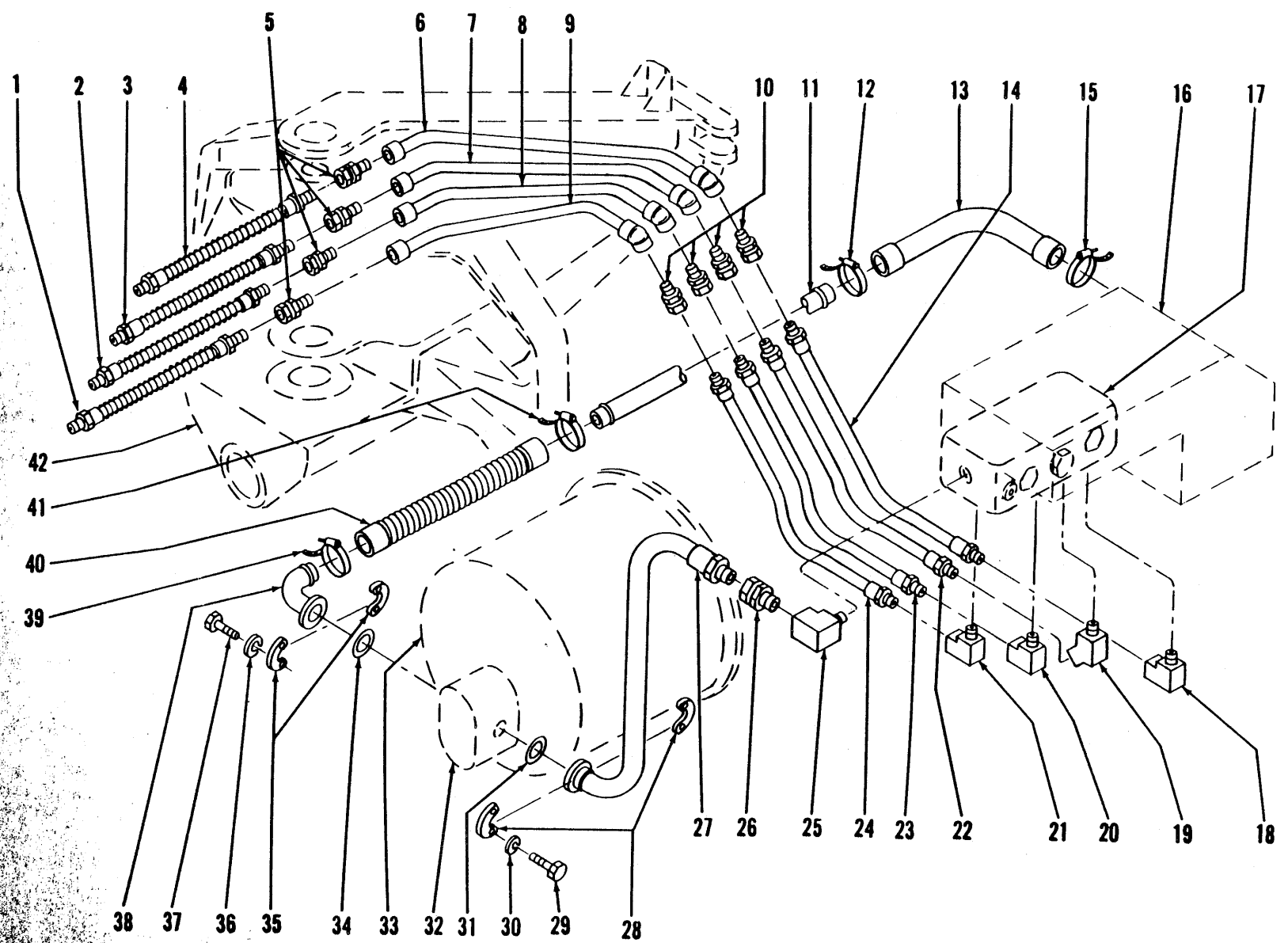
TS-2064-P

**HYDRAULIC PUMP — APRON, BOWL AND EJECTOR — CUMMINS**  
For Serial ITC100 thru ITC102, 2TC1 and thereafter

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450008	PUMP ASSY (Inc. 1 thru 33)	1	15	—	§ BEARING, Body	1
B	498039	REPAIR KIT, Major (Inc. C, 3, 5, 10, 11, 15, 18, 21, 28, 29)	1	16	—	§ GEAR, Driven	1
C	498038	REPAIR KIT; Minor (Inc. 1, 2, 4, 6, 7, 8, 9, 14, 20, 22, 24, 26, 30, 32)	1	17	—	§ PLUG, Body	1
D	498115	REPAIR KIT, Shaft Seal (Inc. 1, 2, 3, 4, 30)	1	18	—	§ THRUST PLATE, Body — Driven	1
E	498040	REPAIR KIT, Body (Inc. 11, 12, 15, 17, 31, 32, 33)	1	19	—	§ SCREW, Piston	6
F	498042	REPAIR KIT, Cover (Inc. 5, 25, 27, 28)	1	20	—	§ BOLT, Cover to Body	2
G	498044	GEAR SET (Inc. 13, 16)	1	21	—	§ THRUST PLATE, Body — Driven	1
1	—	§ RING, Seal Retainer	1	22	—	§ "O" RING, Piston	6
2	—	§ SEAL, Outer Oil	1	23	—	§ PISTON, Thrust Equalizer	6
3	—	§ RETAINER, Oil Seal	1	24	—	§ WASHER, Cover to Body Bolt	2
4	—	§ SEAL, Inner Oil	1	25	—	§ PLUG, Cover	1
5	—	§ BEARING, Cover	1	26	—	§ "O" RING, Cover Thrust Plate	1
6	—	§ GASKET, Cover	1	27	—	§ COVER	1
7	—	§ SPRING, Cover Thrust Plate	12	28	—	§ BEARING, Cover	1
8	—	§ "O" RING, Cover Thrust Plate	1	29	—	§ THRUST PLATE, Cover — Drive	1
9	—	§ WASHER, Back-up	1	30	—	§ "O" RING, Seal Retainer	2
10	—	§ THRUST PLATE, Body — Drive	1	31	—	† § STUD, Cover to Body	8
11	—	§ BEARING, Body	1	32	—	† § NUT, Cover to Body	8
12	—	§ BODY	1	33	—	† § WASHER, Cover to Body	8
13	—	§ GEAR, Drive	1	34	219413	† SLEEVE, Pump Drive	1
14	—	§ WASHER, Back-up	1	35	664140	† RING, Sleeve Retaining	1
				36	552T61	† GASKET, Pump to Converter	1
				37	2D-08	† NUT, Pump to Converter	4
				38	4E-08	† LKWSHR, Pump to Converter	4

† Not Illustrated  
§ Not Sold Separately — Order Kits.

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



HYDRAULIC SYSTEM - APRON, BOWL AND EJECTOR  
For Serial: 44123 thru 44299, 1TC100, 1TC101, 1TC102

TS-586-P1

801

(1F5)

**HYDRAULIC SYSTEM — APRON, BOWL AND EJECTOR — TRACTOR — CUMMINS**  
**For Serial 44123 thru 44299, 1TC100, 1TC101, 1TC102**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	675133	HOSE, Bowl Cylinder Line	1	21		ADAPTER UNION	
2	675133	HOSE, Apron Cylinder Line	1	21A	633332	For Serial Group "A" Below	1
3	675132	HOSE, Ejector Return Line	1	21B	15K-10	For Serial Group "B" Below	1
4	675132	HOSE, Ejector Forward Line	1	22		HOSE, Ejector Return Line	
5	36F-6	ADAPTER UNION	4	22A	612390	For Serial Group "A" Below	1
6	592816	PIPE, Ejector Forward Line	1	22B	523018	*For Serial Group "B" Below	1
7	592817	PIPE, Ejector Return Line	1	23		HOSE, Apron Cylinder Line	
8	592818	PIPE, Apron Cylinder Line	1	23A	594032	For Serial Group "A" Below	1
9	592819	PIPE, Bowl Cylinder Line	1	23B	593412	For Serial Group "B" Below	1
10		ADAPTER UNION		24		HOSE, Bowl Cylinder Line	
10A	661428	For Serial Group "A" Below	4	24A	594032	For Serial Group "A" Below	1
10B	36F-6	*For Serial Group "B" Below	4	24B	593412	*For Serial Group "B" Below	1
11	593155	TUBE, Suction — Welded to Frame	1	25		ELBOW, Hose to Valve	
12	784663	CLAMP, Hose	1	25A	29F-6	For Serial Group "A" Below	1
13	—	HOSE, Tube to Reservoir — See Note "C"	1	25B	15K-10	*For Serial Group "B" Below	1
14		HOSE, Ejector Forward Line		26	36F-7	ADAPTER UNION	1
14A	522019	For Serial Group "A" Below	1	27		HOSE, Pump to Valve — Pressure	
14B	593412	*For Serial Group "B" Below	1	27A	518291	For Serial Group "A" Below	1
15	784663	CLAMP, Hose	1	27B	593413	*For Serial Group "B" Below	1
16	—	RESERVOIR, Hydraulic Oil—See Index	—	28	663095	FLANGE HALF, Hose to Pump	2
17	—	CONTROL VALVE—See Index	—	29	1C-824	BOLT, Flange Half to Pump	4
18		ADAPTER UNION		30	4E-08	LKWSHR, Flange Half to Pump	4
18A	633332	For Serial Group "A" Below	1	31	25K-40128	"O" Ring, Hose to Pump	1
18B	15K-10	*For Serial Group "B" Below	1	32	—	PUMP, APRON, BOWL & EJECTOR — See Index	—
19		ADAPTER UNION		33	—	TORQUE CONVERTER—See Index	—
19A	711285	For Serial Group "A" Below	1	34	25K-40208	"O" RING, Stem to Pump	1
19B	15K-10	*For Serial Group "B" Below	1	35	663096	FLANGE HALF, Stem to Pump	2
20		ADAPTER UNION		36	4E-08	LKWSHR, Flange Half to Pump	4
20A	633332	For Serial Group "A" Below	1	37	1C-824	BOLT, Flange Half to Pump	4
20B	15K-10	For Serial Group "B" Below	1	38	592794	STEM, Hose to Pump	1
				39	784663	CLAMP, Hose	1
				40	—	HOSE, Tube to Stem — See Note "D"	1
				41	784663	CLAMP, Hose	1
				42	—	STEERING ASSY — See Index	—

\*NOTE: These items are for use with Parker Valve only. If Hydrec Valve is installed in machine in place of Parker Valve these items will have to be replaced by those listed for serial group "A":

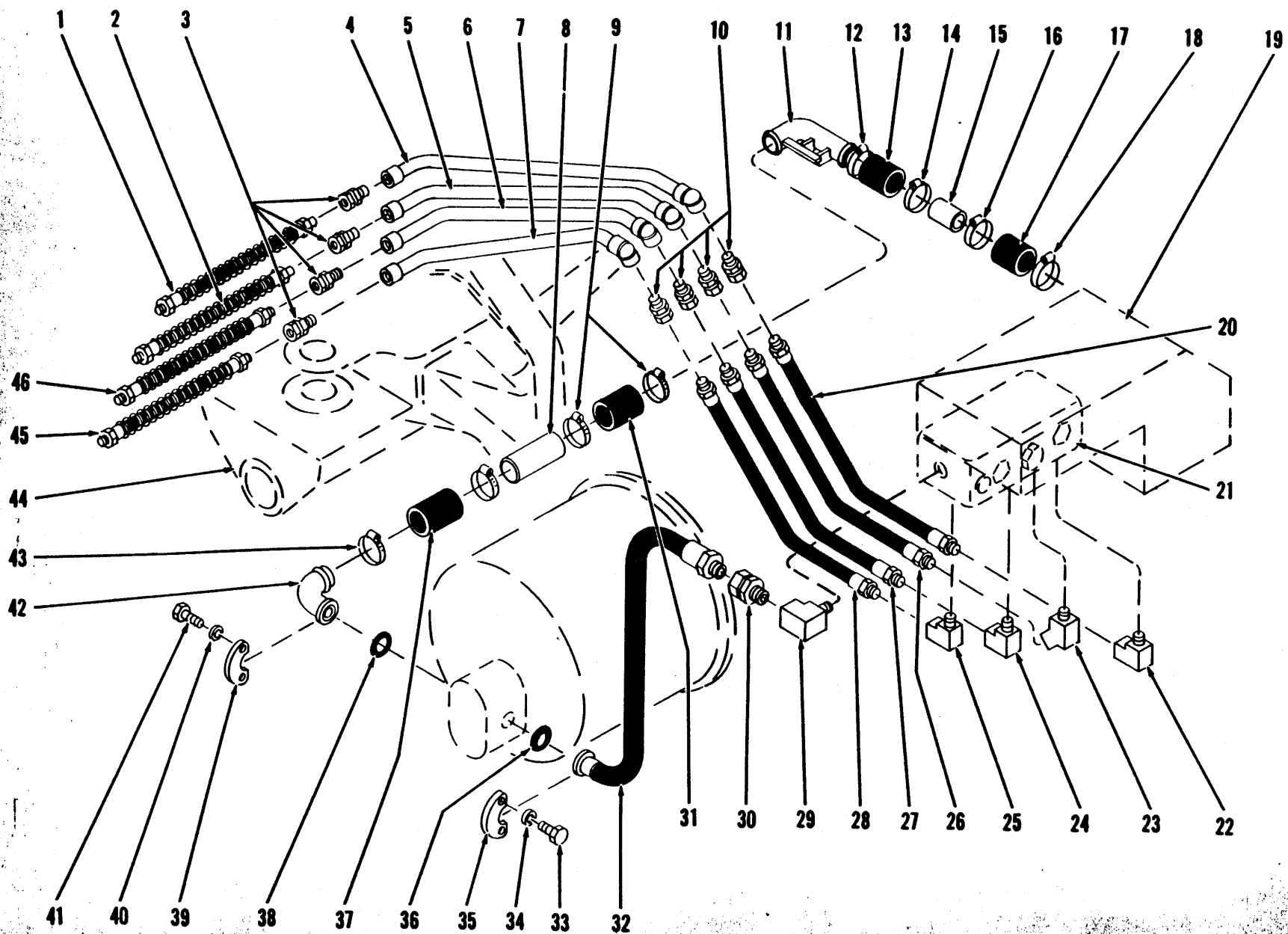
Serial Group "A": 44123 thru 44145, 44148, 44149 thru 44152, 44155, 44156, 44159 thru 44225, 44227 thru 44299, 1TC100, 1TC101, 1TC102.

Serial Group "B": 44146, 44147, 44153, 44157, 44158 and 44226.

NOTE "C": When replacing hose item 13 use one (1) 581028 Tube, two (2) 524571 Hoses and four (4) 784663 Hose Clamps.

NOTE "D": When replacing hose item 40 use one (1) 581026 Tube, two (2) 524571 Hoses and four (4) 784663 Hose Clamps.

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



HYDRAULIC SYSTEM - APRON, BOWL AND EJECTOR - TRACTOR  
For Serial: 2TC1 and thereafter

TS-2471-P

82.1

(1/7)

PM-1480

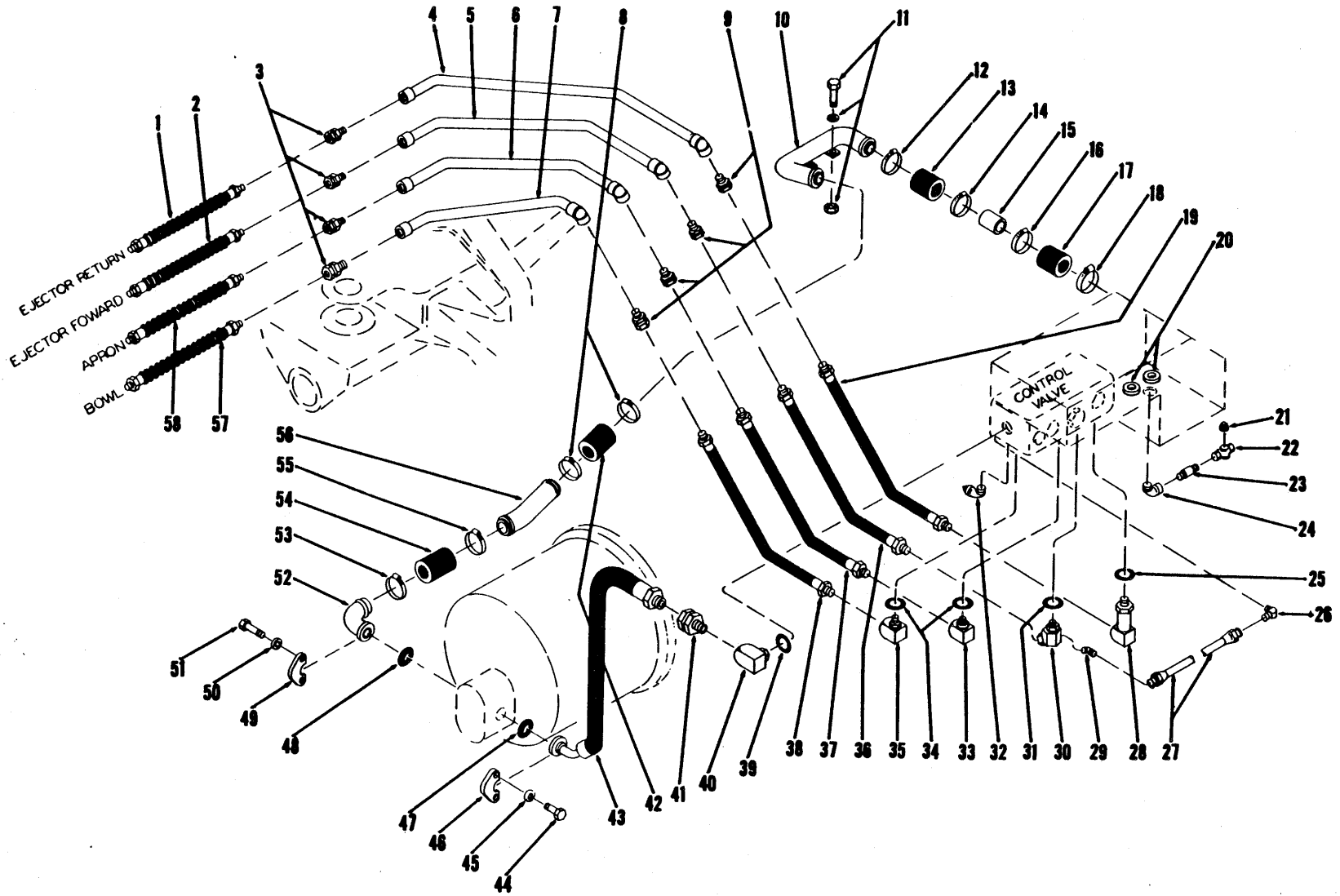


**HYDRAULIC SYSTEM — APRON, BOWL AND EJECTOR — TRACTOR — CUMMINS**  
For Serial 2TC1 and thereafter

Item No.	Part No.	Description	No. Req'd
1	675132	HOSE, Ejector Return Line	1
2	675132	HOSE, Ejector Forward Line	1
3	36F-6	ADAPTER UNION	4
4	592816	PIPE, Ejector Return Line	1
5	592817	PIPE, Ejector Forward Line	1
6	592818	PIPE, Apron Cylinder Line	1
7	592819	PIPE, Bowl Cylinder Line	1
8	581026	TUBE, Suction	1
9	784663	CLAMP, Hose	2
10	661428	ADAPTER UNION	4
11	581022	TUBE, Suction	1
11A	2C-614	†BOLT, Tube to Frame	2
11B	2D-06	†NUT, Tube to Frame	2
11C	4E-06	†LKWSHR, Tube to Frame	2
11D	980055	†WASHER, Tube to Frame	2
12	784663	CLAMP, Hose	1
13	585886	HOSE, Tube to Tube	1
14	784663	CLAMP, Hose	1
15	581028	TUBE, Suction	1
16	784663	CLAMP, Hose	1
17	585886	HOSE, Tube to Reservoir	1
18	784663	CLAMP, Hose	1
19	-----	RESERVOIR, Hydraulic Oil — See Index	—
20	522019	HOSE, Ejector Return Line	1
21	-----	CONTROL VALVE — See Index	—
22	633332	ADAPTER UNION	1
23	711285	ADAPTER UNION	1
24	633332	ADAPTER UNION	1
25	633332	ADAPTER UNION	1
26	612390	HOSE, Ejector Forward Line	1
27	594032	HOSE, Apron Cylinder Line	1
28	594032	HOSE, Bowl Cylinder Line	1
29	29F-6	ELBOW, Adapter Union to Valve	1
30	36F-7	ADAPTER UNION	1
31	585886	HOSE, Tube to Tube	1
32	518291	HOSE, Pump to Valve — Pressure	1
33	1C-824	BOLT, Flange Half to Pump	4
34	4E-08	LKWSHR, Flange Half to Pump	4
35	663095	FLANGE HALF, Hose to Pump	2
36	25K-40128	"O" RING, Hose to Pump	1
37	585886	HOSE, Tube to Stem	1
38	25K-40208	"O" RING, Stem to Pump	1
39	663096	FLANGE HALF, Stem to Pump	1
40	4E-08	LKWSHR, Flange Half to Pump	4
41	1C-824	BOLT, Flange Half to Pump	4
42	592794	STEM, Hose to Pump	1
43	784663	CLAMP, Hose	2
44	-----	STEERING ASSY — See Index	—
45	675133	HOSE, Bowl Cylinder Line	1
46	675133	HOSE, Apron Cylinder Line	1

†Not Illustrated

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



HYDRAULIC SYSTEM - APRON, BOWL AND EJECTOR - TRACTOR - G.M.  
For Serial 2TG101 thru 2TG-999

TS-3540

82A.1

(1F8)

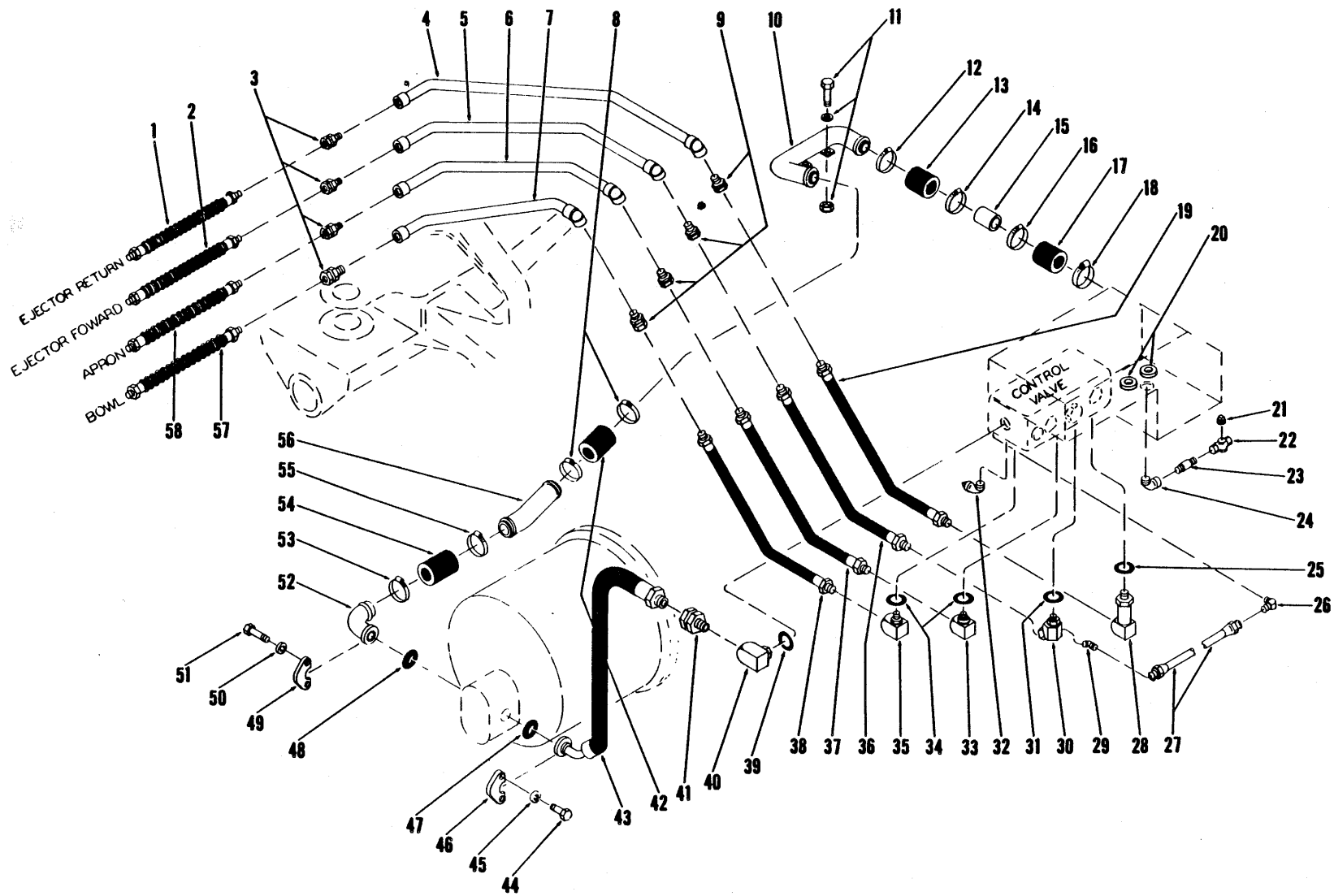
PM 1480

**HYDRAULIC SYSTEM — APRON, BOWL AND EJECTOR — TRACTOR — G.M.**

For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	675132	HOSE, Ejector Return Line	1	29	84F-3	ELBOW, Adapter to Tube	1
2	675132	HOSE, Ejector Forward Line	1	30	582640	ADAPTER UNION (Inc. 31)	1
3	36F-6	ADAPTER UNION	4	31	91F-10	"O" RING, Adapter to Valve	1
4	592816	PIPE, Ejector Return Line	1	32	30K-304	ELBOW, Main Hyd. Pressure Check	1
5	592817	PIPE, Ejector Forward Line	1	33	521851	ADAPTER UNION (Inc. 34)	1
6	592818	PIPE, Apron Cylinder Line	1	34	91F-10	"O" RING, Adapter to Valve	2
7	592819	PIPE, Bowl Cylinder Line	1	35	521851	ADAPTER UNION (Inc. 34)	1
8	784663	CLAMP, Hose	2	36	582469	HOSE, Ejector Forward Line	1
9	36F-6	ADAPTER UNION	4	37	582470	HOSE, Apron Cylinder Line	1
10	582752	TUBE, Suction	1	38	582470	HOSE, Bowl Cylinder Line	1
11	18C-614	BOLT, Suction Tube Attaching	2	39	91F-10	"O" RING, Adapter to Valve	1
11A	980055	WASHER, Suction Tube Attaching	2	40	521851	ADAPTER UNION (Inc. 39)	1
11P	18D-06	NUT, Suction Tube Attaching	2	41	633328	ADAPTER UNION	1
12	784663	CLAMP, Hose	1	42	585886	HOSE, Tube to Tube	1
13	585886	HOSE, Tube to Tube	1	43	582273	HOSE, Pump to Valve	1
14	784663	CLAMP, Hose	1	44	17C-720	BOLT, Flange Half to Pump	4
15	581028	TUBE, Suction	1	45	4E-07	LKWSHR, Flange Half to Pump	4
16	784663	CLAMP, Hose	1	46	663094	FLANGE HALF, Hose to Pump	2
17	585886	HOSE, Tube to Reservoir	1	47	25K-40116	"O" RING, Hose to Pump	1
18	784663	CLAMP, Hose	1	48	25K-40128	"O" RING, Stem to Pump	1
19	582468	HOSE, Ejector Return Line	1	49	663095	FLANGE HALF, Stem to Pump	2
20	525293	MAGNET, Permanent Reservoir	2	50	4E-08	LKWSHR, Flange Half to Pump	4
21	13F-12	PLUG, Pipe	1	51	17C-824	BOLT, Flange Half to Pump	4
22	593786	DRAIN COCK, Reservoir	1	52	582256	STEM, Hose to Pump	1
23	5K-611	NIPPLE, Drain Cock to Elbow	1	53	784663	CLAMP, Hose	1
24	26F-5	ELBOW, Drain Cock to Reservoir	1	54	585886	HOSE, Tube to Stem	1
25	91F-10	"O" RING, Adapter to Valve	1	55	784663	CLAMP, Hose	1
26	731745	ELBOW, Tube to Valve	1	56	585618	TUBE, Suction	1
27	2642	TUBE, Oil Line	1	57	675133	HOSE, Bowl Cylinder Line	1
28	582641	ADAPTER UNION (Inc. 25)	1	58	675133	HOSE, Apron Cylinder Line	1

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



HYDRAULIC SYSTEM - APRON, BOWL AND EJECTOR TRACTOR - G.M.  
For Serial: 3TG101 thru 3TG999

TS-3540

82B.1

(1F11)

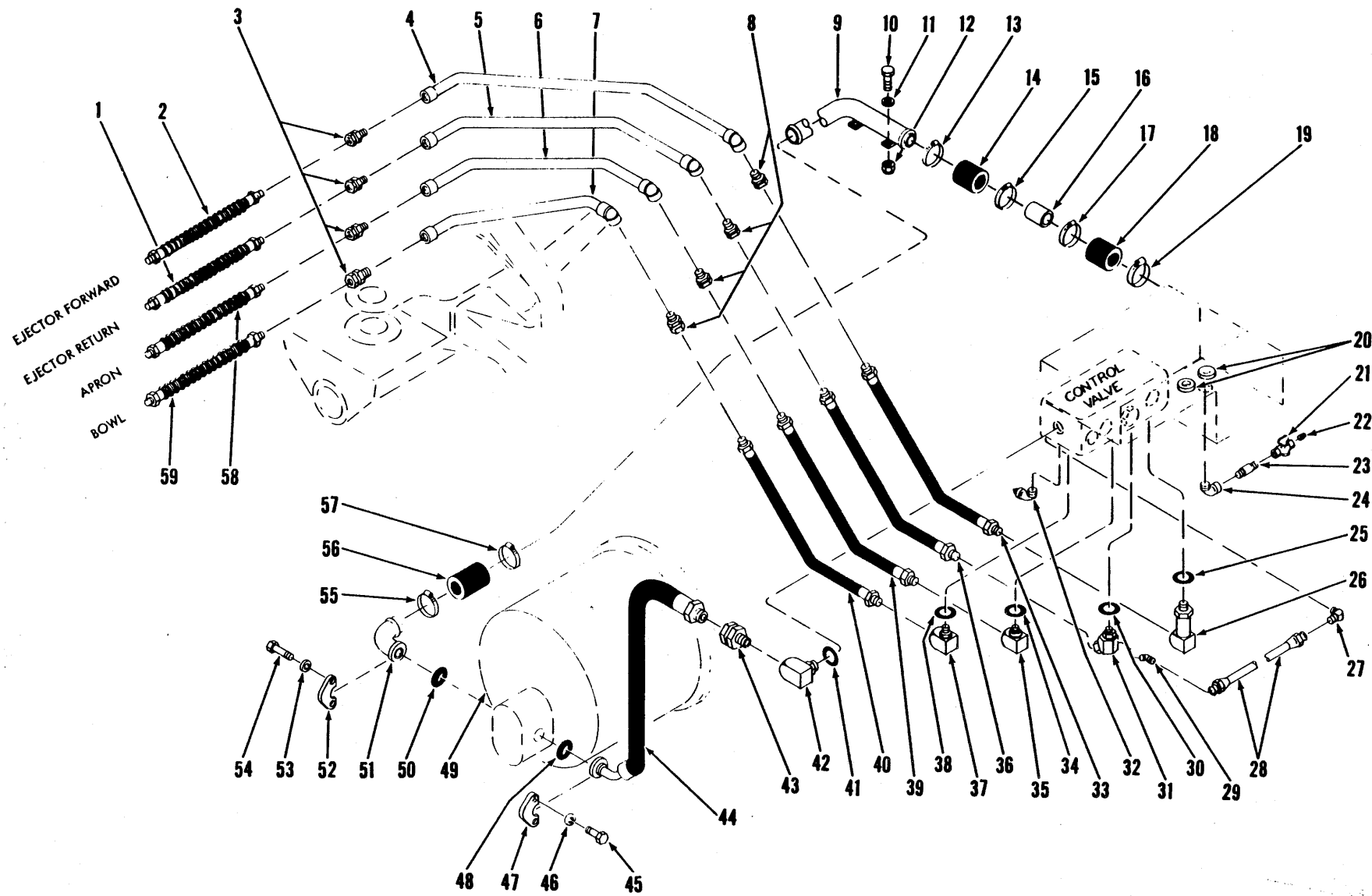
PM 1480

**HYDRAULIC SYSTEM — APRON, BOWL AND EJECTOR — TRACTOR — G.M.**

For Serial 3TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	675132	HOSE, Ejector Return Line	1	29	84F-3	ELBOW, Adapter to Tube	1
2	675132	HOSE, Ejector Forward Line	1	30	582640	ADAPTER UNION (Inc. 31)	1
3	36F-6	ADAPTER UNION	4	31	91F-10	"O" RING, Adapter to Valve	1
4	592816	PIPE, Ejector Return Line	1	32	30K-304	ELBOW, Main Hyd. Pressure Check	1
5	592817	PIPE, Ejector Forward Line	1	33	521851	ADAPTER UNION (Inc. 34)	1
6	592818	PIPE, Apron Cylinder Line	1	34	91F-10	"O" RING, Adapter to Valve	2
7	592819	PIPE, Bowl Cylinder Line	1	35	521851	ADAPTER UNION (Inc. 34)	1
8	784663	CLAMP, Hose	2	36	582469	HOSE, Ejector Forward Line	1
9	36F-6	ADAPTER UNION	4	37	582470	HOSE, Apron Cylinder Line	1
10	585620	TUBE, Suction	1	38	582470	HOSE, Bowl Cylinder Line	1
11	18C-614	BOLT, Suction Tube Attaching	2	39	91F-10	"O" RING, Adapter to Valve	1
11A	980055	WASHER, Suction Tube Attaching	2	40	521851	ADAPTER UNION (Inc. 39)	1
11B	18D-06	NUT, Suction Tube Attaching	2	41	633328	ADAPTER UNION	1
12	784663	CLAMP, Hose	1	42	585886	HOSE, Tube to Tube	1
13	585886	HOSE, Tube to Tube	1	43	582273	HOSE, Pump to Valve	1
14	784663	CLAMP, Hose	1	44	17C-720	BOLT, Flange Half to Pump	4
15	585619	TUBE, Suction	1	45	4E-07	LKWSHR, Flange Half to Pump	4
16	784663	CLAMP, Hose	1	46	663094	FLANGE HALF, Hose to Pump	2
17	585886	HOSE, Tube to Reservoir	1	47	25K-40116	"O" RING, Hose to Pump	1
18	784663	CLAMP, Hose	1	48	25K-40128	"O" RING, Stem to Pump	1
19	582468	HOSE, Ejector Return Line	1	49	663095	FLANGE HALF, Stem to Pump	2
20	525293	MAGNET, Permanent Reservoir	2	50	4E-08	LKWSHR, Flange Half to Pump	4
21	13F-12	PLUG, Pipe	1	51	17C-824	BOLT, Flange Half to Pump	4
22	593786	DRAIN COCK, Reservoir	1	52	582256	STEM, Hose to Pump	1
23	5K-611	NIPPLE, Drain Cock to Elbow	1	53	784663	CLAMP, Hose	1
24	26F-5	ELBOW, Drain Cock to Reservoir	1	54	585886	HOSE, Tube to Stem	1
25	91F-10	"O" RING, Adapter to Valve	1	55	784663	CLAMP, Hose	1
26	731745	ELBOW, Tube to Valve	1	56	585618	TUBE, Suction	1
27	582642	TUBE, Oil Line	1	57	675133	HOSE, Bowl Cylinder Line	1
28	582641	ADAPTER UNION (Inc. 25)	1	58	675133	HOSE, Apron Cylinder Line	1

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



HYDRAULIC SYSTEM - APRON, BOWL AND EJECTOR - TRACTOR - G.M.  
For Serial 4TG101 & after

TS-5051-P

82C.1

(1F13)

PM 1480



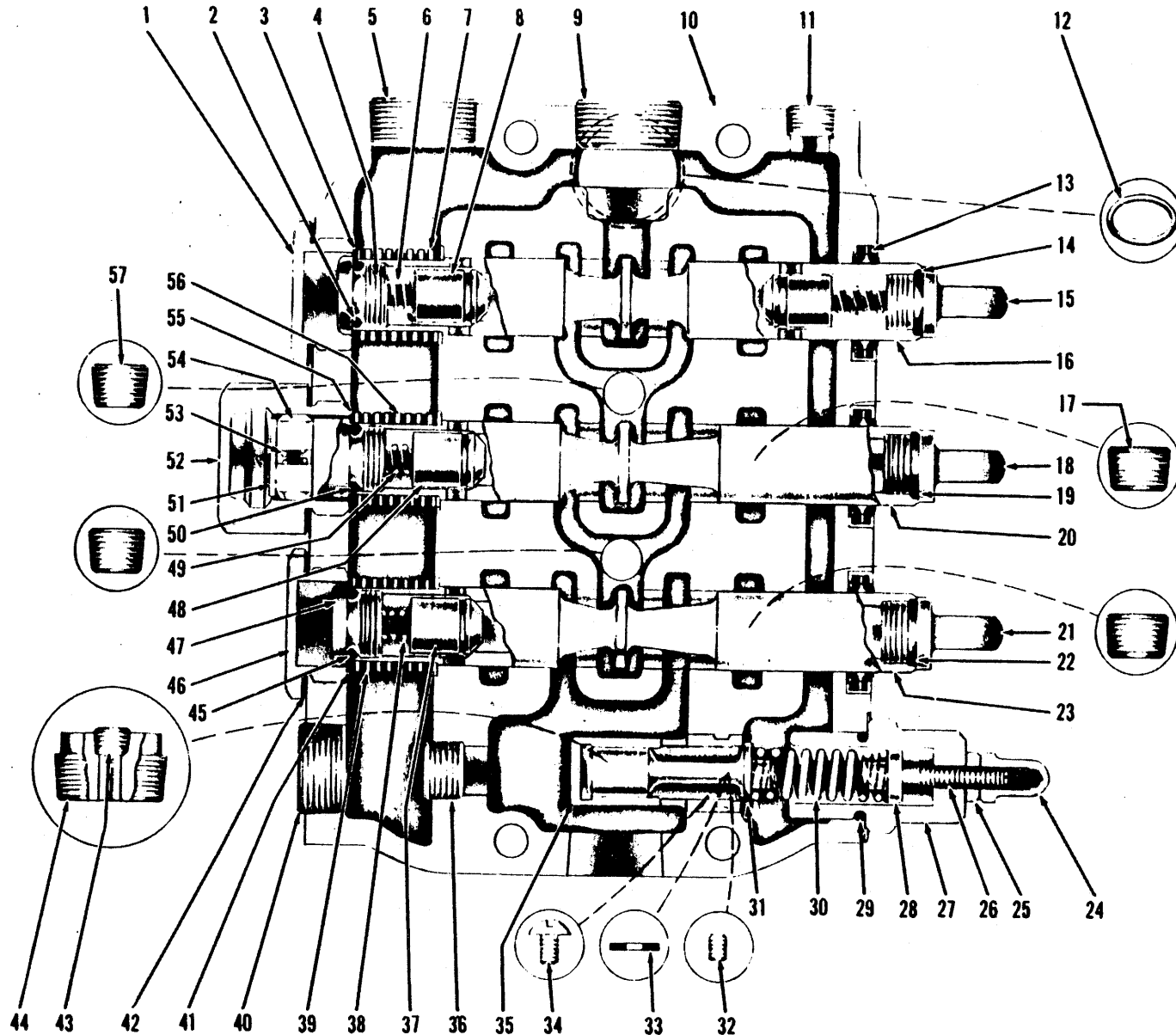
**CONSTRUCTION MACHINERY DIVISION**  
**HYDRAULIC SYSTEM — APRON, BOWL AND EJECTOR — TRACTOR**  
**G.M.**



For Serial: 4TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	675132	HOSE, Ejector Return Line .....	1	31	582640	ADAPTER UNION (Inc. 30) .....	1
2	675132	HOSE, Ejector Forward Line .....	1	32	30K-304	ELBOW, Main Hyd. Pressure Check.....	1
3	36F-6	ADAPTER UNION .....	4	32A	13F-04	PLUG, Elbow Pipe .....	1
4	592816	PIPE, Ejector Return Line .....	1	33	582468	HOSE, Ejector Return Line .....	1
5	592817	PIPE, Ejector Forward Line .....	1	34	91F-10	"O" RING, Adapter Union .....	1
6	592818	PIPE, Apron Cylinder Line .....	1	35	521851	ADAPTER UNION (Inc. 34) .....	1
7	592819	PIPE, Bowl Cylinder Line .....	1	36	582469	HOSE, Ejector Forward Line .....	1
8	36F-6	ADAPTER UNION .....	4	37	521851	ADAPTER UNION (Inc. 38) .....	1
9	585908	TUBE, Suction .....	1	38	91F-10	"O" RING, Adapter Union .....	1
10	18C-614	BOLT, Suction Tube to Frame .....	2	39	582470	HOSE, Apron Cylinder Line .....	1
11	980055	WASHER, Suction Tube to Frame .....	2	40	582470	HOSE, Bowl Cylinder Line .....	1
12	18D-06	NUT, Suction Tube to Frame .....	2	41	91F-10	"O" RING, Adapter Union .....	1
13	784663	CLAMP HOSE .....	1	42	521851	ADAPTER UNION (Inc. 41) .....	1
14	585886	HOSE, Elbow to Tube .....	1	43	633328	ADAPTER UNION .....	1
15	784663	CLAMP, Hose .....	1	44	582273	HOSE, Pump to Valve—Pressure .....	1
16	585907	TUBE, Hose to Hose .....	1	45	17C-720	BOLT, Hose to Pump .....	4
17	784663	CLAMP, Hose .....	1	46	4E-07	LKWSHR, Hose to Pump .....	4
18	585886	HOSE, Tube .....	1	47	663094	FLANGE HALF, Hose to Pump .....	2
19	784663	CLAMP, Hose .....	1	48	25K-40116	"O" RING, Hose to Pump .....	1
20	525293	MAGNET, Permanent Reservoir.....	2	49	———	TORQUE CONV. — See Index .....	—
21	593786	DRAIN COCK, Reservoir .....	1	50	25K-40128	"O" RING, Hose to Pump .....	1
22	13F-12	PLUG, Drain Cock Pipe .....	1	51	582256	STEM, Hose to Pump .....	1
23	5K-611	NIPPLE, Drain Cock to Elbow .....	1	52	663095	FLANGE HALF, Hose to Pump .....	2
24	26F-5	ELBOW, Nipple to Reservoir .....	1	53	4E-08	LKWSHR, Hose to Pump .....	4
25	91F-10	"O" RING, Adapter Union .....	1	54	17C-824	BOLT, Hose to Pump .....	4
26	582641	ADAPTER UNION (Inc. 25) .....	1	55	784663	CLAMP, Hose .....	1
27	731745	ELBOW, Tube to Valve .....	1	56	585886	HOSE, Stem to Tube .....	1
28	582642	TUBE, Oil Line .....	1	57	784663	CLAMP, Hose .....	1
29	84F-3	ELBOW, Adapter to Tube .....	1	58	675133	HOSE, Apron Cylinder Line .....	1
30	91F-10	"O" RING, Adapter Union .....	1	59	675133	HOSE, Bowl Cylinder Line .....	1

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



CONTROL VALVE ASSEMBLY - CUMMINS

For Serial: 44123 thru 44145, 44148 thru 44152, 44155, 44156, 44159 thru 44225, 44227 thru 44299, 1TC100 thru 1TC102

TS-2273-P

84.1

(1K7)

PM-1480



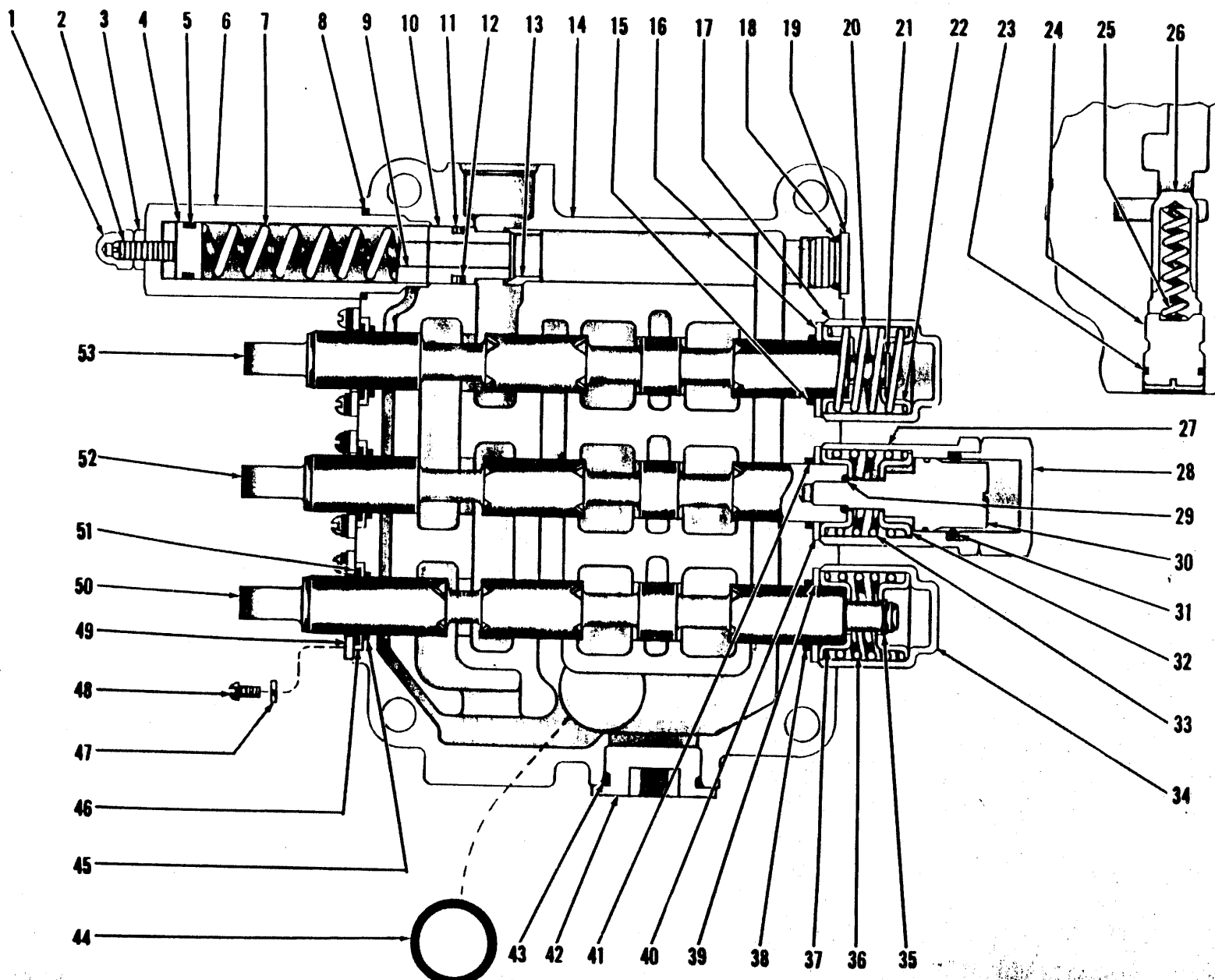
**CONTROL VALVE — APRON, BOWL AND EJECTOR — CUMMINS**

**For Serial 44123 thru 44145, 44148, 44149, 44150, 44151, 44152, 44155,  
44156, 44159 thru 44225, 44227 thru 44299, 1TC100, 1TC101, 1TC102**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	591411	*VALVE ASSY (Inc. 1 thru 57)	1	30	940099	SPRING, Relief	1
1	940273	CAP, Housing	1	31	940098	PLUNGER, Relief Valve	1
2	25K-40028	"O" RING, Plunger Cap	1	32	15G-508	SET SCREW, Plunger Seat	1
3	940165	WASHER, Plunger Return Spring	2	33	863053	GASKET, Plunger Seat Screw	1
4	940274	CAP, Plunger	1	34	863052	SCREW, Plunger Seat	1
5	16F-20	PLUG, Housing	1	35	940097	SEAT, Relief Valve Plunger	1
6	940166	SPRING, Check	2	36	16F-12	PLUG, Relief Valve	1
7	940167	SPRING, Plunger Return	1	37	941463	CHECK, Plunger	1
8	941463	CHECK, Plunger	1	38	940166	SPRING, Check	1
9	16F-20	PLUG, Housing	1	39	940167	SPRING, Plunger Return	1
10	-----	§HOUSING, Valve (See A)	1	40	16F-20	PLUG, Housing	1
11	16F-08	PLUG, Housing Cleanout	1	41	940165	WASHER, Plunger Return Spring	2
12	25K-40124	"O" RING, Valve to Reservoir	1	42	940102	GASKET, Housing Caps	3
13	940281	SEAL, Plunger Oil	3	43	16F-04	PLUG	1
14	25K-40028	"O" RING, Plunger Eye	1	44	943503	BUSHING, Housing Reducing	1
15	940279	EYE, Plunger Linkage	1	45	25K-40028	"O" RING, Plunger Cap	1
16	-----	§PLUNGER, Ejector Control (See A)	1	46	940273	CAP, Housing	1
17	16F-16	PLUG, Core Clean Out	2	47	940274	CAP, Plunger	1
18	940279	EYE, Plunger Linkage	1	48	941463	CHECK, Plunger	1
19	25K-40028	"O" RING, Plunger Eye	1	49	940166	SPRING, Check	1
20	-----	§PLUNGER, Apron Control (See A)	1	50	25K-40028	"O" RING, Poppet Cap	1
21	940279	EYE, Plunger Linkage	1	51	943505	CAP, Poppet	1
22	25K-40028	"O" RING, Plunger Eye	1	52	943504	CAP, Detent	1
23	-----	§PLUNGER, Bowl Control (See A)	1	53	943506	SPRING, Poppet	1
24	863045	NUT, Relief Valve Acorn	1	54	941465	POPPET, Detent	2
25	8D-06	NUT, Relief Valve Jam	1	55	940165	WASHER, Plunger Return Spring	2
26	940278	SCREW, Relief Valve Adjustment	1	56	940167	SPRING, Plunger Return	1
27	940277	CAP, Relief Valve	1	57	16F-08	PLUG, Housing Cleanout	2
28	940160	GUIDE, Relief Valve Spring	1	58	2C-872	†BOLT, Valve to Reservoir	3
29	25K-40108	"O" RING, Relief Valve Cap	1	59	4E-08	†LKWSHR, Valve to Reservoir	3

\*NOTE: When complete valve is replaced use 594665 Valve Assembly plus 1 — 581044 Rod and 1 — 594335 Lever.  
 †Not Illustrated  
 §Not Sold Separately

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



CONTROL VALVE ASSEMBLY - CUMMINS  
For Serial: 44146, 44147, 44153, 44157, 44158, 44226

TS-2267-P

861

(1K9)

PM 1480

**CONTROL VALVE — APRON, BOWL AND EJECTOR — CUMMINS**

For Serial 44146, 44147, 44153, 44157, 44158 and 44226

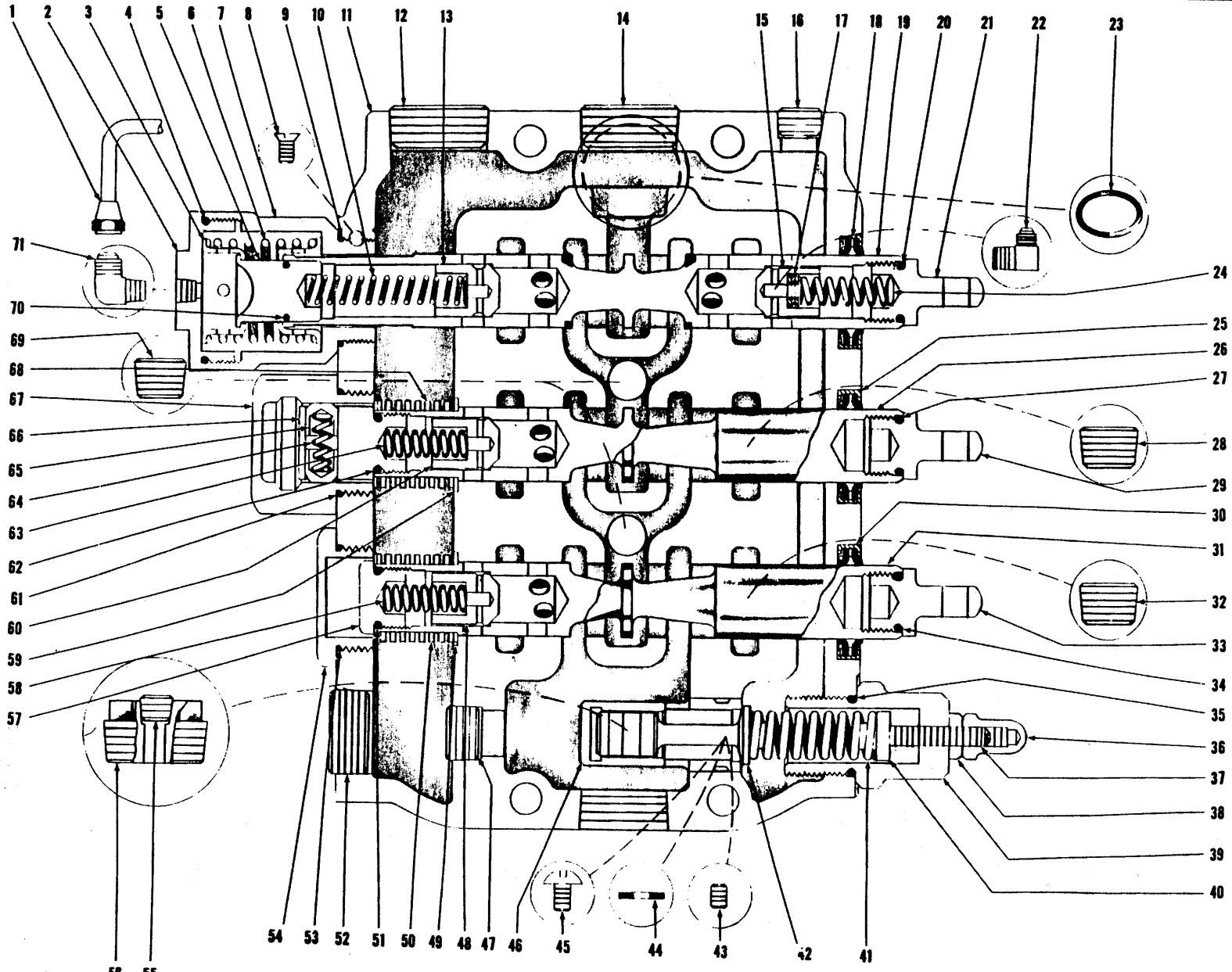
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	522964	*VALVE ASSY, (Inc. 1 thru 55)	1	29	91F-2	"O" RING, Detent Barrel	1
1	47D-05	NUT, Relief Valve Acorn	1	30	943951	BARREL, Detent	1
2	33G-520	SCREW, Relief Valve Adjustment	1	31	943745	RING, Detent Barrel	1
3	8D-05	NUT, Relief Valve Jam	1	32	943917	RETAINER, Spring	2
4	943924	FOLLOWER, Valve Spring	1	33	943918	SPRING, Detent	1
5	25K-40024	"O" RING, Follower	1	34	943919	CAP, Plunger	1
6	944476	CAP, Relief Valve	1	35	878235	RING, Spring Retaining	1
7	943923	SPRING, Relief Valve	1	36	943918	SPRING, Plunger Return	1
8	25K-30102	"O" RING, Relief Valve Cap	1	37	943917	RETAINER, Spring	2
9	943922	DAMPENER, Spring	1	38	944477	"O" RING, Plunger	1
10	943921	PLUNGER, Relief Valve	1	39	943904	RETAINER, "O" Ring	1
11	943741	WASHER, Back-up	1	40	943904	RETAINER, "O" Ring	1
12	25K-40024	"O" RING, Plunger	1	41	25K-30100	"O" RING, Plunger	1
13	943920	SEAT, Plunger	1	42	47K-11	PLUG, Housing (Inc. 43)	1
14	—	§HOUSING — See "A"	1	43	91F-11	"O" RING, Plug	1
15	25K-30100	"O" RING, Plunger	1	44	25K-60120	"O" RING, Housing	1
16	943904	RETAINER, "O" Ring	1	45	25K-40024	"O" RING, Retainer	3
17	943919	COVER, Plunger Spring	1	46	943915	RETAINER, Wiper	3
18	91F-7	"O" RING, Plug	1	47	2E-06	LKWSHR, Wiper Retainer	6
19	47K-7	PLUG, Relief Valve (Inc. 18)	1	48	4G-610	SCREW, Wiper Retainer	6
20	943918	SPRING, Plunger Return	1	49	943916	RETAINER, Plunger Wiper	3
21	878235	RING, Spring Retaining	1	50	—	§PLUNGER — See "A"	1
22	943917	RETAINER, Spring	2	51	943740	WIPER, Plunger	3
23	25K-40026	"O" RING, Check Valve Plug	1	52	—	§PLUNGER — See "A"	1
24	943908	PLUG, Check Valve	1	53	—	§PLUNGER — See "A"	1
25	943907	SPRING, Check Valve Poppet	1	54	16F-04	†PLUG, Housing	1
26	886686	POPPET, Check Valve	1	55	16F-08	†PLUG, Housing	1
27	943952	CAP, Detent — Inner	1	56	2C-872	†BOLT, Valve to Reservoir	3
28	943953	CAP, Detent — Outer	1	57	4E-08	†LKWSHR, Valve to Reservoir	3

\*NOTE: When Valve Assembly is replaced use 594665 Valve Assembly plus parts listed below:

1 — 593790	RESERVOIR, Hydraulic Oil	3 — 633332	ADAPTER UNION
4 — 661428	ADAPTER UNION	1 — 711285	ADAPTER UNION
1 — 522019	HOSE	3 — 2C-872	BOLT
1 — 612390	HOSE	1 — 592297	ROD
2 — 594032	HOSE	1 — 592303	ROD
1 — 518291	HOSE	1 — 581044	ROD
1 — 29F-6	ELBOW	1 — 594335	LEVER

†Not Illustrated  
§Not Sold Separately

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



CONTROL VALVE ASSEMBLY - CUMMINS  
For Serial: 2TC1 thru 2TC999

TS-2255-P

88.1

(TK11)

PA-1480

**CONTROL VALVE — APRON, BOWL AND EJECTOR — CUMMINS**

For Serial: 2TC1 thru 2TC999

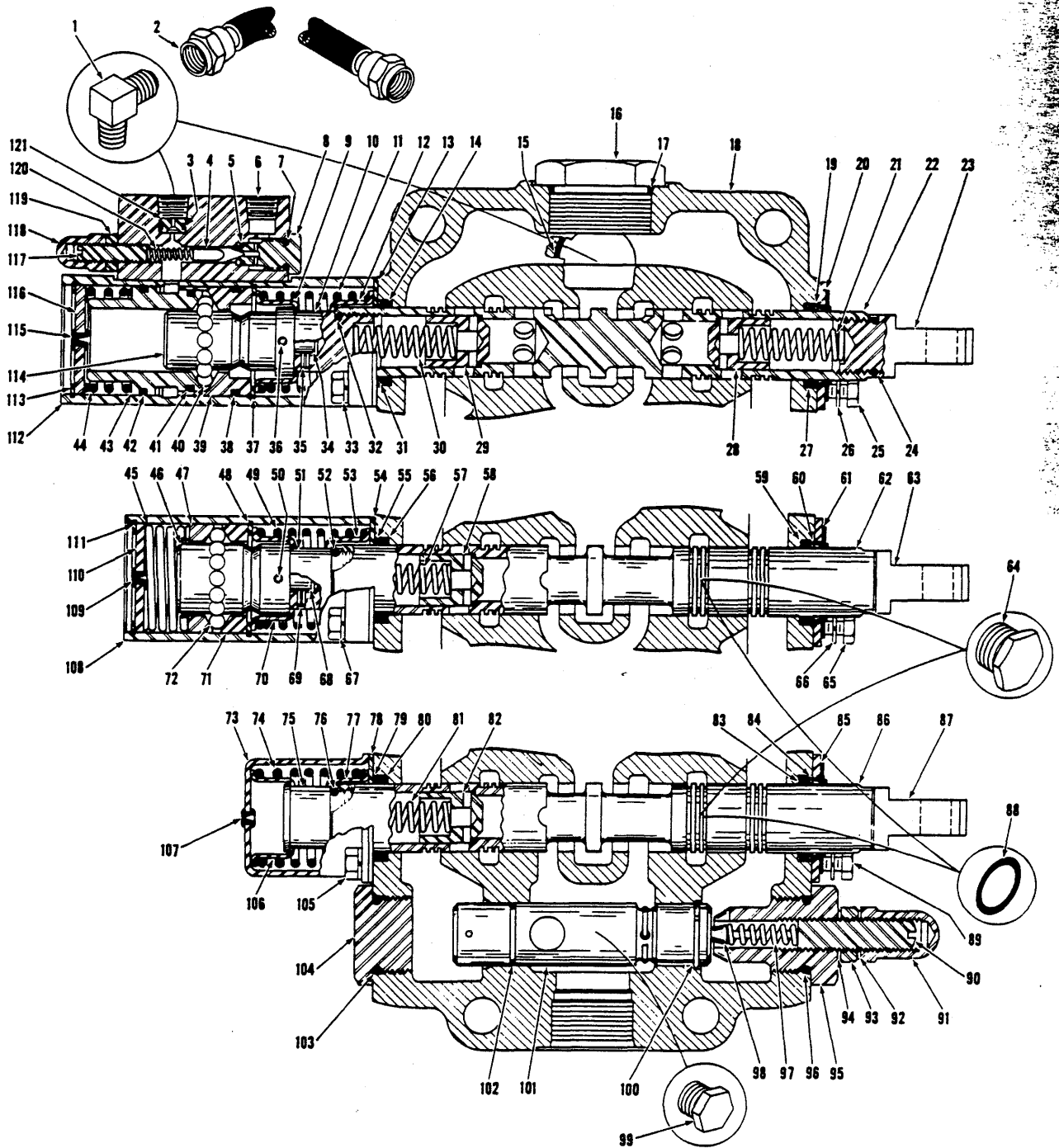
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		VALVE ASSY, Control (Inc. 1 thru 71)		37	940278	SCREW, Relief Valve Adjusting	1
B	594665	For Tractor Scraper Machines	1	38	8D-06	NUT, Relief Valve Adjusting Jam	1
C	580948	For Tractor Wagon (Rear Dump) Machines	1	39	940277	CAP, Relief Valve Adjusting	1
1	944538	LINE, Oil	1	40	940160	GUIDE, Relief Valve Spring	1
2	944537	CAP, Plunger End	1	41		SPRING, Relief Valve	
3	944539	CAP, Plunger Spring	2	41A	944001	For Tractor Scraper Machines	1
4	25K-40216	"O" RING, Plunger End Cap	1	41B	944614	For Tractor Wagon (Rear Dump) Machines	1
5	875269	CAP, Plunger	1	42	940098	PLUNGER, Relief Valve	1
6	875271	SPRING, Plunger Return	1	42	940098	PLUNGER, Relief Valve	1
7		§CAP—See "B" or "C"	—	43	15G-508	SCREW, Relief Valve Set	1
8		§SCREW—See "B" or "C"	—	44	863053	GASKET, Relief Valve Screw	1
9	25K-30126	"O" RING, Cap	1	45	863052	SCREW, Relief Valve	1
10	944540	SPRING, Plunger Check	1	46	940097	SEAT, Relief Valve	1
11		§HOUSING—See "B" or "C"	—	47	16F-12	PLUG	1
12	16F-20	PLUG	1	48	941463	VALVE, Check	1
13	941463	VALVE, Check	1	49	940165	WASHER, Check Valve Return	1
14	16F-20	PLUG	1	50	940167	SPRING, Valve Return	1
15	944625	VALVE, Plunger Check	1	51	25K-40028	"O" RING, Plunger Cap	1
16	16F-08	PLUG	1	52	16F-20	PLUG	1
17	743593	‡SHIM, Valve Spring	—	53	25K-30126	"O" RING, Cap	1
18	940281	SEAL, Plunger	1	54	940273	CAP, Plunger (Outer)	1
19		§SPOOL—See "B" or "C"	—	55	16F-04	PLUG	1
20	25K-40028	"O" RING, Plunger Eye	1	56	943503	PLUG	1
21	940279	EYE, Plunger	1	57	940274	CAP, Plunger (Inner)	1
22	731745	ELBOW, Oil Line	1	58	940166	SPRING, Check Valve	1
23	25K-40124	"O" RING		59	940165	WASHER, Check Valve Return	1
24	944145	SPRING, Check Valve	1	60	941463	VALVE, Check	1
25	940281	SEAL, Plunger	1	61	25K-30126	"O" RING, Plunger Cap	1
26		§SPOOL—See "B" or "C"	—	62	25K-40028	"O" RING, End Cap	1
27	25K-40028	"O" RING, Plunger Eye	1	63	940166	SPRING, Check Valve	1
28	16F-16	PLUG	1	64	944536	SPRING, Detent	1
29	940279	EYE, Plunger	1	65	941465	POPPET, Detent	2
30	940281	SEAL, Plunger	1	66	943505	CAP, Detent (Inner)	1
31		§SPOOL—See "B" or "C"	—	67	943504	CAP, Detent (Outer)	1
32	16F-16	PLUG	1	68	940167	SPRING, Valve Return	1
33	940279	EYE, Plunger	1	69	16F-08	PLUG	2
34	25K-40028	"O" RING, Plunger Eye	1	70	25K-40028	"O" RING, End Cap	1
35	25K-40108	"O" RING, Relief Valve Adjusting Cap	1	71	83F-3	ELBOW, Oil Line	1
36	863045	NUT, Relief Valve Acorn	1	72	2C-872	†BOLT, Valve to Reservoir	3
				73	4E-08	†LKWSHR, Valve to Reservoir	3

§Not Sold Separately. Order Complete Valve Assembly.

‡As Required

†Not Illustrated

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



**CONTROL VALVE ASSEMBLY**

For Serial: Cummins - 3TC101 & after. G.M. - 2TG101 & after

TS-5215-P



**CONSTRUCTION MACHINERY DIVISION  
CONTROL VALVE ASSEMBLY**



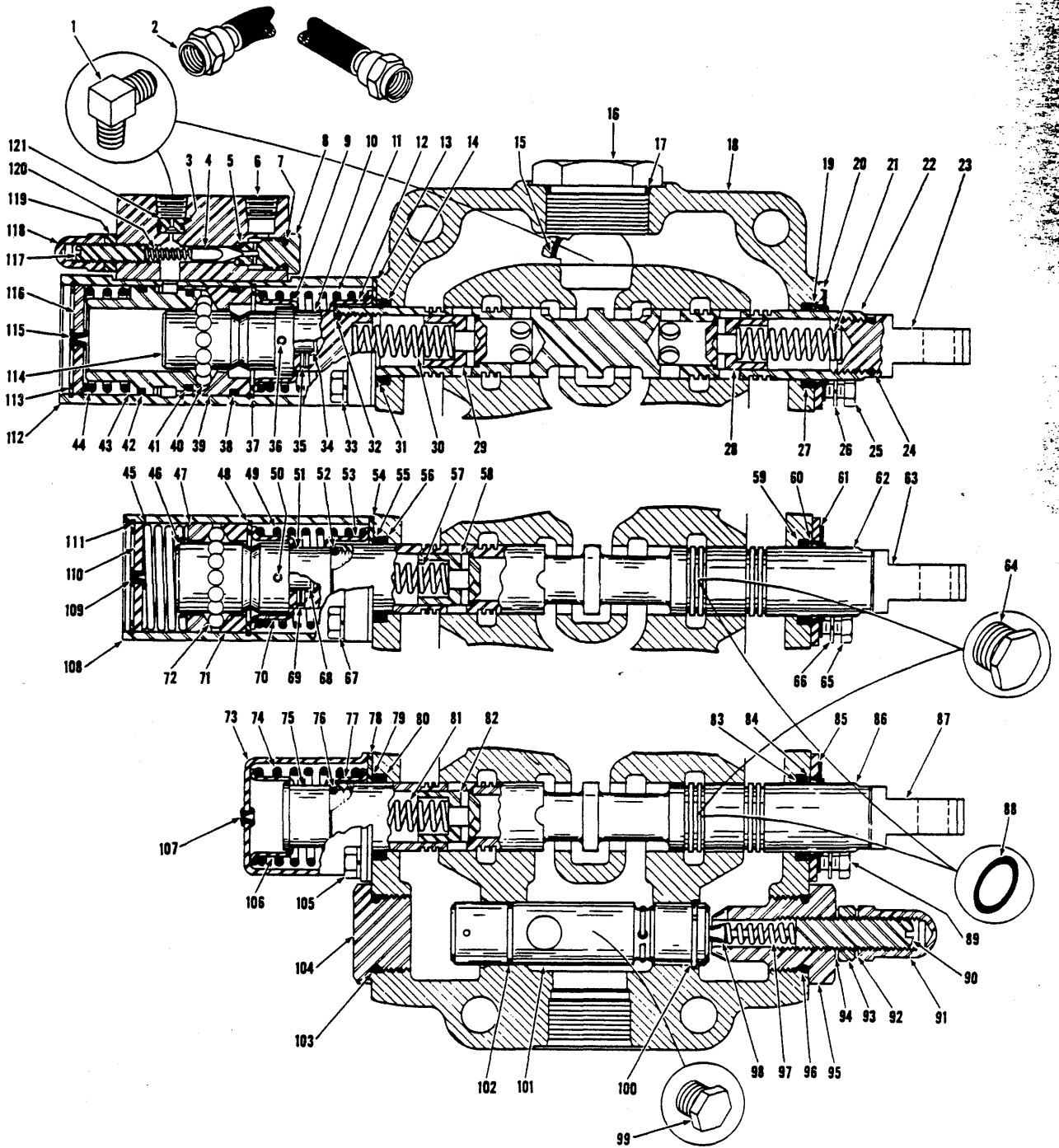
For Serial: Cummins - 3TC101 and after  
G.M. - 2TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	582371	VALVE ASSY, Control (Inc. 1 thru 121)	1	37	1301194	RING, Retaining	1
1	731745	ELBOW, Oil Line	2	38	945089	"O" RING, Ball Retainer	1
2	945914	HOSE KIT (Inc. 1)	1	39	944901	RETAINER, Ball	1
3	25K-20010	"O" RING, Orifice Plug	1	40	10J-08	BALL	13
4	944876	POPPET	1	41	945088	"O" RING, Ball Retainer	1
5	25K-20006	"O" RING, Poppet Seat	1	42	945089	"O" RING, Ball Retainer	1
6	16F-04	PLUG, Pipe	1	43	944903	RETAINER, Ball	1
7	25K-20010	"O" RING, Poppet Seat	1	44	945086	SPRING	1
8	944877	SEAT, Poppet	1	45	945086	SPRING	1
9	944878	GUIDE, Spring	1	46	945349	CAP, Detent	1
10	945095	CAP, Plunger	1	47	944897	RETAINER, Ball	1
11	944879	SPRING	1	48	1301194	RING, Retaining	1
12	944878	GUIDE, Spring	1	49	944879	SPRING	1
13	944882	PLATE, Seal Retaining	1	50	305307	ROLL PIN	1
14	946583	SEAL, Plunger	1	51	945095	CAP, Plunger	1
15	25K-40116	"O" RING	1	52	25K-30022	"O" RING	1
16	24K-11	CAP	1	53	944878	GUIDE, Spring	1
17	91F-11	"O" RING, Cap	1	54	944882	PLATE, Seal Retaining	1
18	-----	§HOUSING - See "A"	1	55	944883	RING, Back-up	1
19	944883	RING, Back-up	1	56	946583	SEAL, Plunger	1
20	893294	*WIPER, Plunger	1	57	893293	SPRING, Check	1
21	893293	SPRING, Check	1	58	944885	CHECK	1
22	-----	§OPERATING, Plunger See "A"	1	59	946583	SEAL, Plunger	1
23	893295	EYE, Plunger	1	60	944883	RING, Back-up	1
24	25K-30022	"O" RING, Eye	1	61	893294	*WIPER, Plunger	1
25	1C-410	BOLT, Wiper Mounting	2	62	-----	§PLUNGER - See "A"	1
26	4E-04	LKWSHR, Wiper Mounting	2	63	893295	EYE, Plunger	1
27	946583	SEAL, Plunger	1	64	24K-10	CAP	2
28	944885	CHECK	1	65	1C-410	BOLT, Wiper Mounting	2
29	944885	CHECK	1	66	4E-04	LKWSHR, Wiper Mounting	2
30	893293	SPRING, Check	1	67	1C-416	BOLT, Cover to Housing	4
31	944883	RING, Back-up	1	67A	4E-04	LKWSHR, Cover to Housing	4
32	25K-30022	"O" RING, Cap	1	68	888449	PIN	1
33	1C-416	BOLT, Cover to Housing	4	69	108301	ROLL PIN	1
33A	4E-04	LKWSHR, Cover to Housing	4	70	944878	GUIDE, Spring	1
34	888449	PIN	1	71	944897	RETAINER, Ball	1
35	108301	ROLL PIN	1	72	10J-08	BALL	15
36	305307	ROLL PIN	1	73	944896	COVER, Spring	1

§Not Sold Separately

\*For Valves previously using Wiper, Retainer and Plate, now use Bonded Plate and Wiper Assembly (Items 20, 61, 85).

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



**CONTROL VALVE ASSEMBLY**

For Serial: Cummins - 3TC101 & after. G.M. - 2TG101 & after

TS-5215-P





**CONSTRUCTION MACHINERY DIVISION**  
**CONTROL VALVE ASSEMBLY (Continued)**  
 For Serial: Cummins - 3TC101 and after  
 G.M. - 2TG101 and after



Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
74	944879	SPRING	1	99	40K-04	PLUG	1
75	944895	CAP, Plunger	1	100	944892	RING, Retaining	1
76	25K-30022	"O" RING, Cap	1	101	893298	VALVE ASSY (Inc. 100, 102)	1
77	945348	GUIDE, Spring	1	102	945816	"O" RING, Valve	1
78	944882	PLATE, Seal Retaining	1	103	25K-40100	"O" RING, Cap	1
79	944883	RING, Back-up	1	104	944894	CAP	1
80	946583	SEAL, Plunger	1	105	1C-410	BOLT, Cap Mounting	4
81	893293	SPRING, Check	1	105A	4E-04	LKWSHR, Cap Mounting	4
82	944885	CHECK	1	106	945348	GUIDE, Spring	1
83	946583	SEAL, Plunger	1	107	886745	PLUG, Bleeder	1
84	944883	RING, Back-up	1	108	944899	COVER, Detent	1
85	893294	*WIPER, Plunger	1	109	886763	PLUG, Bleeder	1
86	-----	§PLUNGER - See "A"	1	110	944900	PLUG	1
87	893295	EYE, Plunger	1	111	507695	RING, Retaining	1
88	91F-10	"O" RING, Cap	2	112	944874	COVER, Detent	1
89	1C-410	BOLT, Wiper Mounting	2	113	507695	RING, Retaining	1
89A	4E-04	LKWSHR, Wiper Mounting	2	114	944902	CAP, Plunger	1
90	944890	SCREW, Valve Adjusting	1	115	886763	PLUG, Bleeder	1
91	944853	NUT, Acorn	1	116	944900	PLUG	1
92	613750	WASHER	1	117	946263	SCREW, Valve Adjusting	1
93	8D-08	NUT, Jam	1	118	944904	NUT, Acorn	1
94	613750	WASHER	1	119	8D-05	NUT, Jam	1
95	893296	CAP, Relief	1	120	944875	SPRING, Poppet	1
96	25K-40100	"O" RING, Cap	1	121	945861	PLUG, Orifice	1
97	886753	SPRING, Relief	1	122	18C-864	†BOLT, Valve to Reservoir	3
98	886739	POPPET, Relief	1	123	4E-08	†LKWSHR, Valve to Reservoir	3

§Not Sold Separately

\*For Valves previously using Wiper, Retainer and Plate, now use Bonded Plate and Wiper Assembly (Items 20, 61, 85).

†Not Illustrated

**NOTES**

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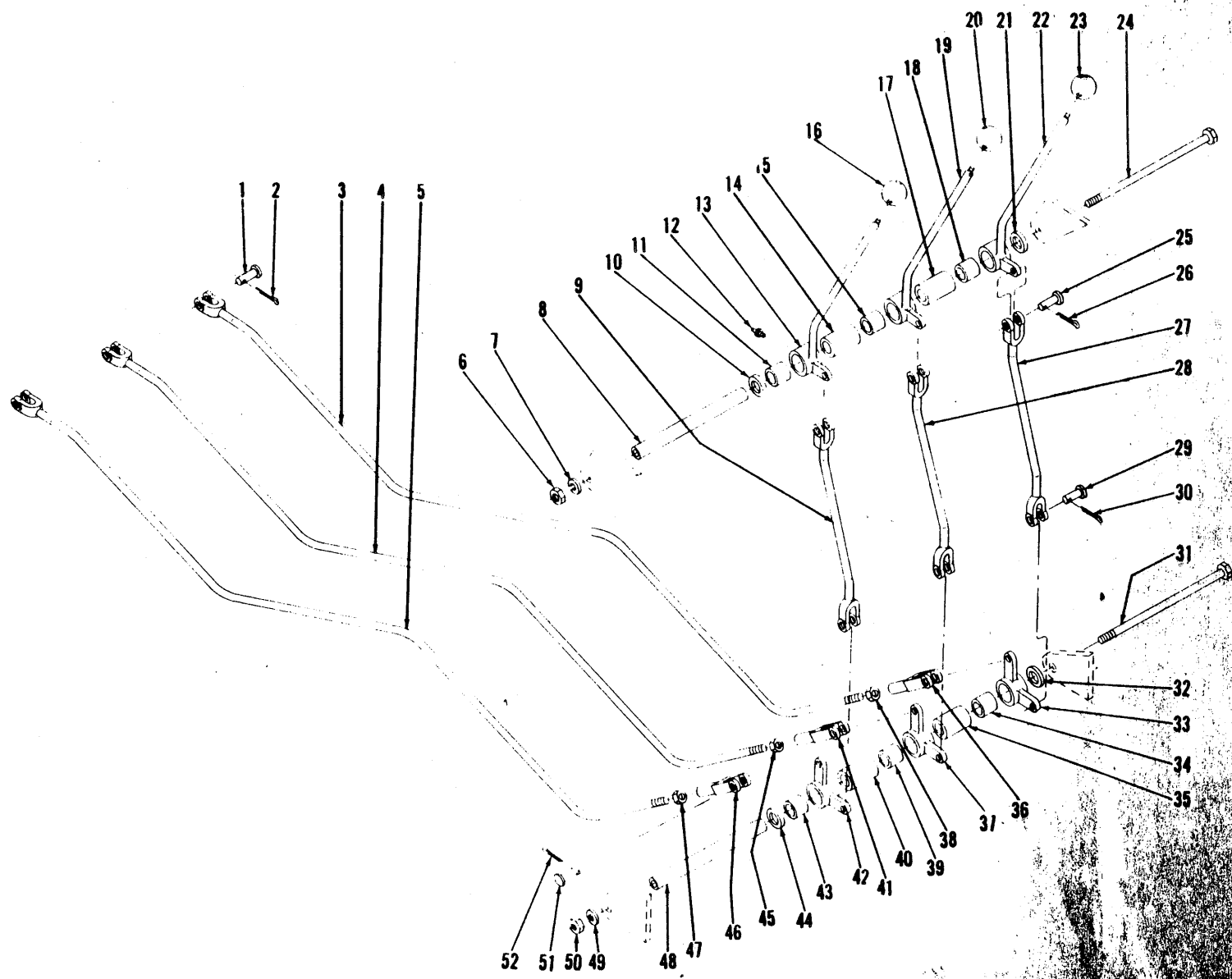


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**WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE**



VALVE CONTROL LEVERS AND LINKAGE

For Serial: Cummins - 44123 thru 44299; 1TG100 & after; G.M. - 2TG101 thru 3TG999

90.1

(1L1)

PM 1480



CONSTRUCTION MACHINERY DIVISION

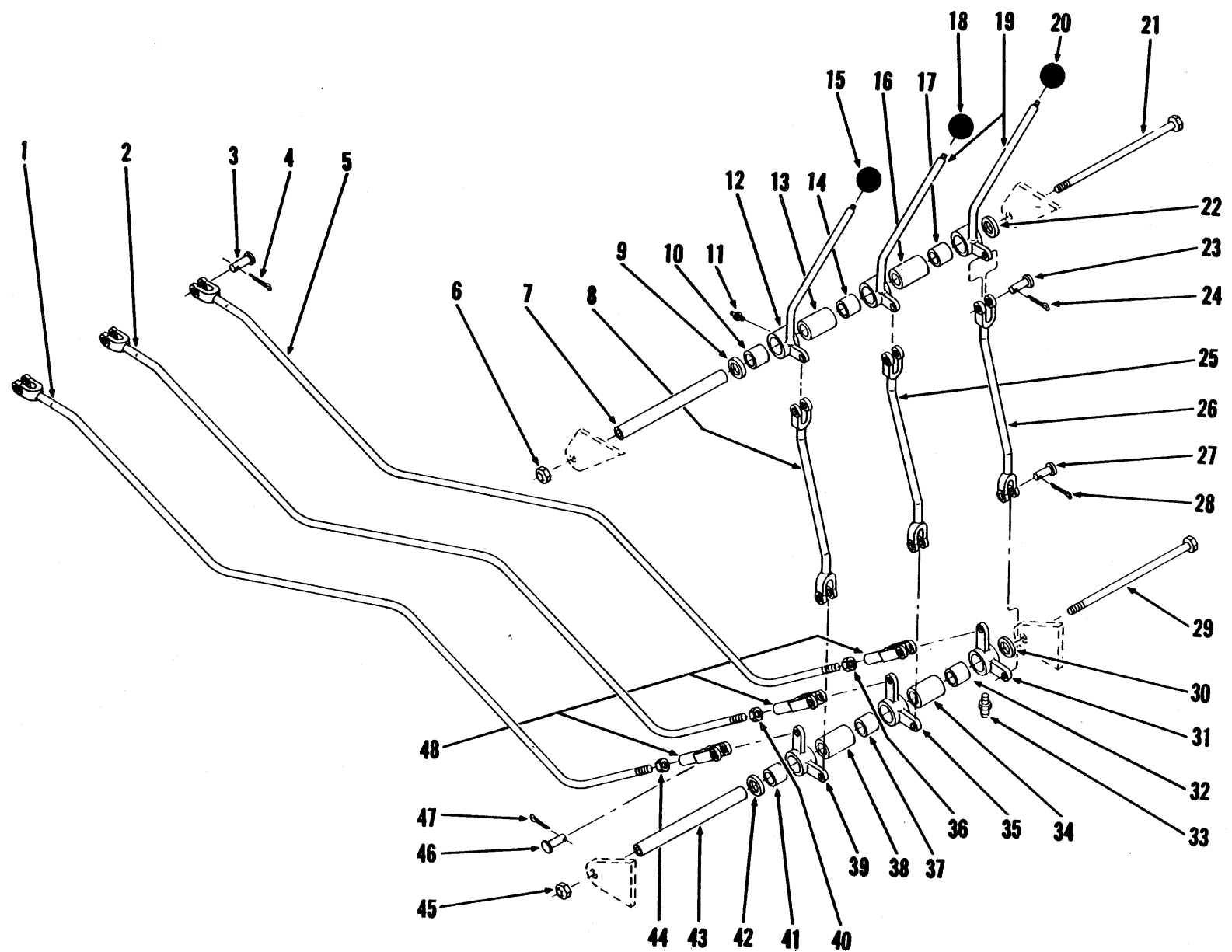


VALVE CONTROL LEVERS AND LINKAGE

For Serial: Cummins - 44123 thru 44299, ITC100 thru 2TC999
G.M. - 2TG101 thru 3TG999

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts such as pins, cotter pins, rods, levers, spacers, bolts, nuts, bushings, and fittings, organized into sections for different machine models.

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



VALVE CONTROL LEVERS AND LINKAGE - G.M.  
For Serial: 4TG101 & after

TS-5226-P

90A.1

(1L3)

PM 1480

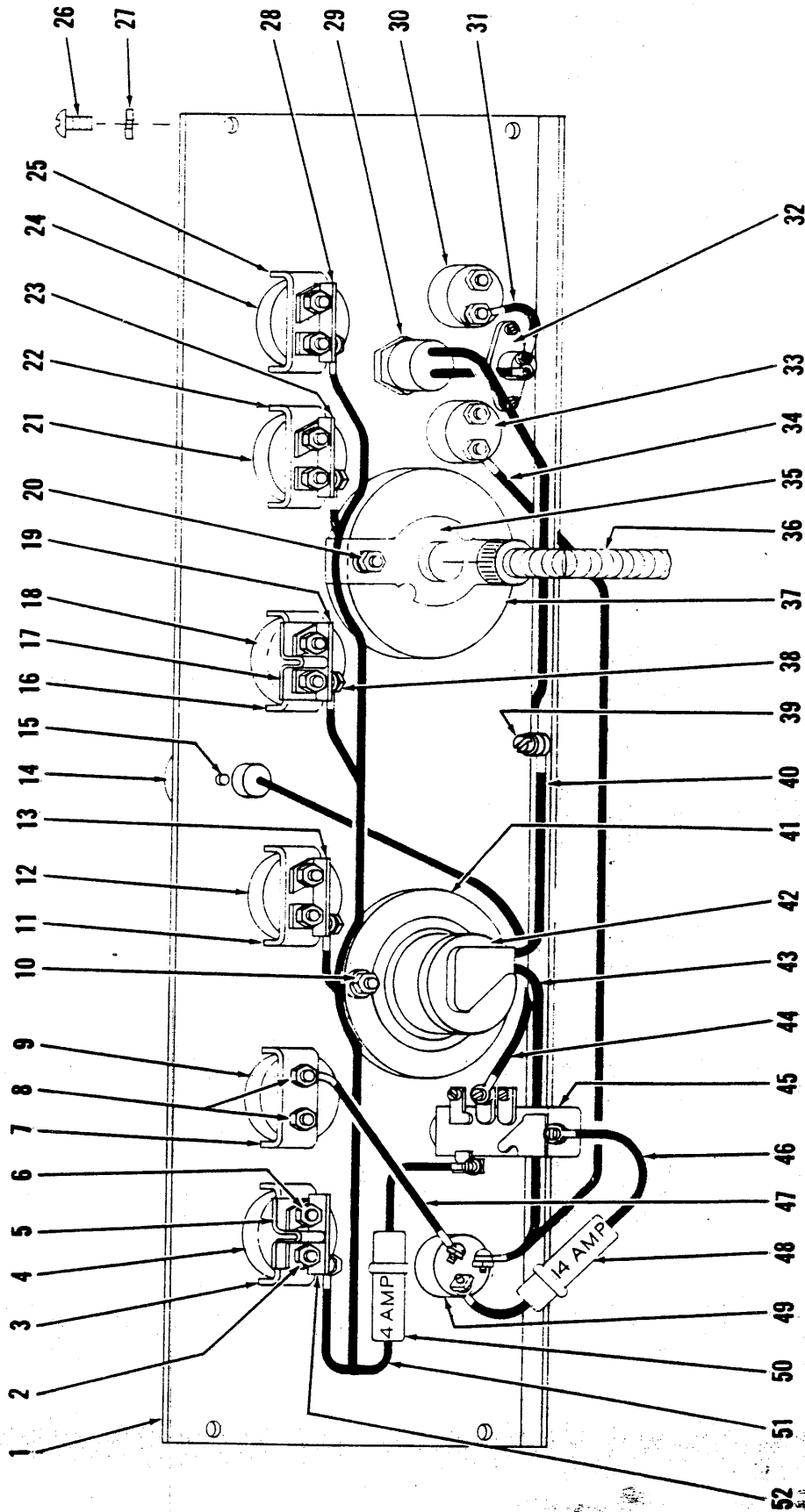
**VALVE CONTROL LEVERS AND LINKAGE —G.M.  
For Serial: 4TG101 and after**

Item No.	Part No.	Description	No. Req'd.
1	588225	ROD, Ejector Cross (Inc. 36, 48)	1
2	582222	ROD, Apron Cross (Inc. 40, 48)	1
3	4F-08127	PIN, Rod to Valve	3
4	1F-414	COTTER, Rod to Valve Pin	3
5	582219	ROD, Bowl Cross (Inc. 44, 48)	1
6	18D-10	NUT, Valve Lever Attaching	1
7	590353	SLEEVE, Valve Levers	1
8	592294	ROD, Ejector Vertical	1
9	590354	SPACER, Valve Lever	1
10	526767	BUSHING, Valve Lever	1
11	10H-25	FITTING, Valve Levers Grease	3
12	590342	LEVER, Ejector Control	1
13	590355	SPACER, Valve Lever	1
14	526767	BUSHING, Valve Lever	1
15	509772	KNOB, Valve Lever	1
16	590355	SPACER, Valve Lever	1
17	526767	BUSHING, Valve Lever	1
18	509772	KNOB, Valve Lever	1
19	590342	LEVERS, Apron & Bowl Controls	2
20	509772	KNOB, Valve Lever	1
21	24C-10160	BOLT, Valve Levers Attaching	1
22	590354	SPACER, Valve Levers	1
23	4F-08127	PIN, Rod to Lever	3
24	1F-414	COTTER, Rod to Lever Pin	3
25	592294	ROD, Apron Vertical	1
26	592294	ROD, Bowl Vertical	1
27	4F-08127	PIN, Rod to Bell Crank	3
28	1F-414	COTTER, Rod to Bell Crank Pin	3
29	24C-10160	BOLT, Bell Crank Attaching	1
30	590354	SPACER, Bell Crank	1
31	581043	BELL CRANK	1
32	526767	BUSHING, Bell Crank	1
33	10H-25	FITTING, Bell Crank Grease	3
34	590355	SPACER, Bell Crank	1
35	581043	BELL CRANK	1
36	8D-08	NUT, Clevis Jam	1
37	526767	BUSHING, Bell Crank	1
38	590355	SPACER, Bell Crank	1
39	581043	BELL CRANK	1
40	8D-08	NUT, Clevis Jam	1
41	526767	BUSHING, Bell Crank	1
42	590354	SPACER, Bell Crank	1
43	590353	SLEEVE, Bell Crank	1
44	8D-08	NUT, Clevis Jam	1
45	18D-10	NUT, Bell Crank Attaching	1
46	4F-08127	PIN, Rod to Bell Crank Clevis	3
47	1F-414	COTTER, Clevis to Bell Crank Pin	3
48	2J-8300	CLEVIS, Rod to Bell Crank	3

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

TS-1897-P

INSTRUMENT PANEL ASSEMBLY - CUMMINS



**INSTRUMENT PANEL — CUMMINS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	590698	PANEL, Instrument .....	1	30	600259	PUSHBUTTON, Glow Plug .....	1
2	14D-10	NUT, Terminal .....	10	30A	857420	†RUBBER BOOT, Push Button .....	1
2A	12E-10	LKWSHR, Terminal .....	5	31	635463	WIRE, Circuit Breaker to Glow Plug Push Button .....	1
3	626530	CLAMP, Fuel Gauge .....	1	32	-----	*CIRCUIT BREAKER — Cummins ... 108102 .....	1
4	551320	GAUGE, Fuel .....	1	33	600259	PUSH BUTTON, Starter .....	1
5	602350	SEPARATOR, Fuel Gauge Terminal	1	33A	857420	†RUBBER BOOT, Push Button .....	1
6	12D-8	NUT, Terminal .....	10	34	553620	WIRE, Ignition Switch to Starter Button	1
6A	12E-8	LKWSHR, Terminal .....	5	35	940646	CLAMP, Tachometer .....	1
7	601212	CLAMP, Ammeter .....	1	36	590989	CABLE, Tachometer .....	1
8	14D-10	NUT, Ammeter .....	4	37	941807	TACHOMETER .....	1
8A	12E-10	LKWSHR, Ammeter .....	2	38	12D-8	NUT, Adapter .....	5
9	550735	AMMETER .....	1	38A	12E-8	LKWSHR, Adapter .....	5
10	3G-608	SCREW, Hourmeter .....	6	39	3G-1008	SCREW, Ground Wire .....	1
10A	12E-6	LKWSHR, Hourmeter .....	6	39A	12D-10	NUT, Ground Wire .....	1
11	626530	CLAMP, Converter Temp. Gauge .....	1	39B	12E-10	LKWSHR, Ground Wire .....	1
12	551321	GAUGE, Torque Converter Temperature .....	1	40	550745	**WIRE, Hourmeter Ground .....	1
13	525374	ADAPTER, Converter Temp. Gauge ..	1	40A	536999	***WIRE, Hourmeter Ground .....	1
14	551499	LAMP, Dash (Inc. 44) (See Note "A")	1	41	685514	DAMPENER, Hourmeter Vibration ..	1
15	18G-606	SCREW, Dash Lamp .....	2	42	945110	**HOURMETER .....	1
15A	12E-6	†LKWSHR, Dash Lamp .....	2	42A	1743825	***HOURMETER .....	1
16	626530	CLAMP, Oil Pressure Gauge .....	1	43	553312	**WIRE, Hourmeter to Ignition Switch ..	1
17	602350	SEPARATOR, Oil Pressure Gauge .....	1	43A	784096	***WIRE, Hourmeter to Ignition Switch ..	1
18	523372	GAUGE, Engine Oil Pressure .....	1	44	-----	§WIRE, Dash Lamp (See 14) .....	1
19	551254	ADAPTER, Oil Pressure Gauge .....	1	45	550741	SWITCH, Light .....	1
20	12D-8	NUT, Tachometer .....	2	45A	550742	†ROD, Light Switch .....	1
20A	12E-8	LKWSHR, Tachometer .....	2	45B	550743	†BUSHING, Light Switch .....	1
21	551322	GAUGE, Engine Temperature .....	1	46	590700	WIRE, Ignition Switch to Light Switch	1
22	626530	CLAMP, Engine Temperature Gauge	1	47	695650	WIRE, Ammeter to Ignition Switch ..	1
23	525374	ADAPTER, Engine Temperature Gauge	1	48	661556	FUSE — 14 Amp .....	1
24	517228	GAUGE, Air Pressure .....	1	49	573548	SWITCH, Ignition (Keyed) .....	1
25	626530	CLAMP, Air Pressure Gauge .....	1	50	661555	FUSE — 4 Amp .....	1
26	31G-409	SCREW, Panel to Cockpit .....	1	51	590699	WIRE, Light Switch to Gauges .....	1
27	6E-04	LKWSHR, Panel to Cockpit .....	1	52	551254	ADAPTER, Fuel Gauge .....	1
28	551254	ADAPTER, Air Pressure Gauge .....	1				
29	-----	*LIGHT, Indicator—Cummins 115007	1				

†Not Illustrated

§Not Sold Separately

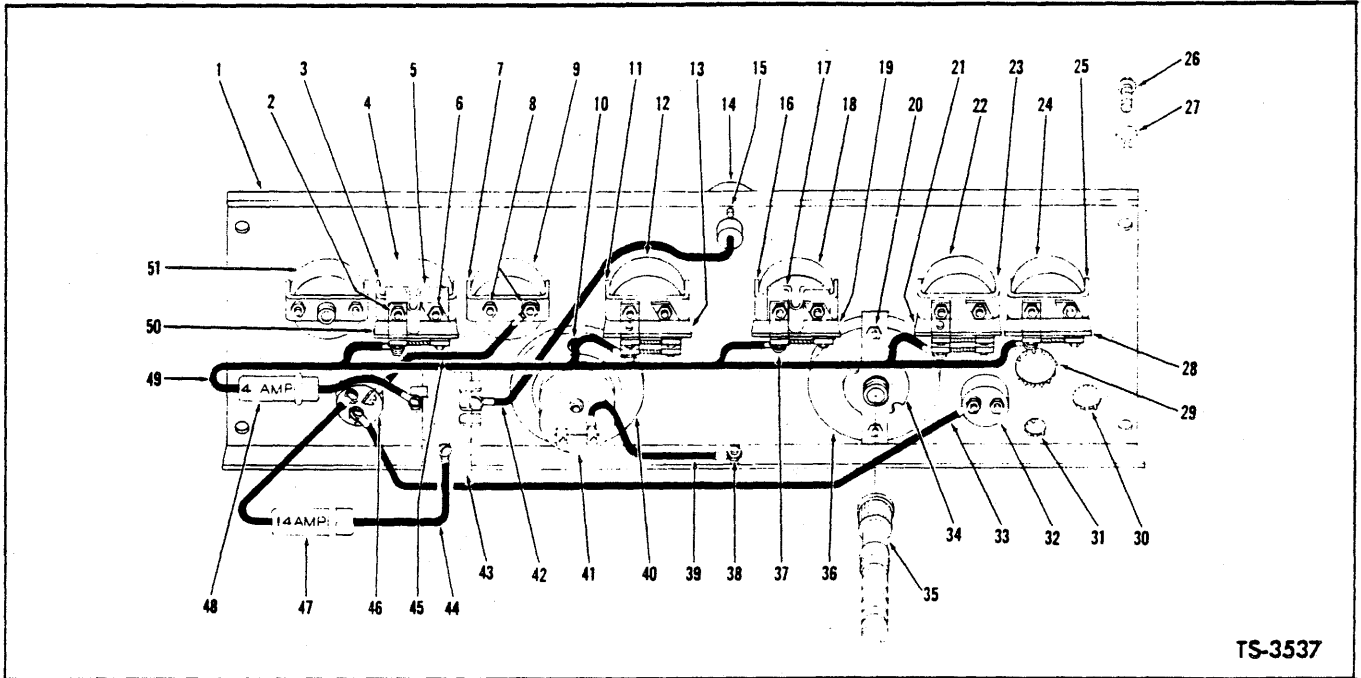
\*Note these parts are furnished with engine. See your local authorized Cummins distributor for replacement or service of same.

\*\*NOTE: For Serial: 44123 thru 44299, 1TC100 thru 2TC29

\*\*\*NOTE: For Serial: 2TC30 and after

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

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



TS-3537

**INSTRUMENT PANEL — G.M.**  
For Serial 2TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	581419	PANEL, Instrument	1	27	6E-04	LKWSHR, Panel to Cockpit	4
2	14D-10	NUT, Terminal	10	28	551254	ADAPTER, Air Pressure Gauge	1
2A	12E-10	†LKWSHR, Terminal	5	29	525591	PLUG BUTTON	1
3	626530	CLAMP, Fuel Gauge	1	30	696073	PLUG BUTTON	1
4	551320	GAUGE, Fuel	1	31	661863	PLUG BUTTON	1
5	602350	SEPARATOR, Fuel Gauge Terminal	1	32	600259	PUSH BUTTON, Starter (Inc. 32A)	1
6	12D-8	NUT, Terminal	10	32A	857420	†RUBBER BOOT, Push Button	1
6A	12E-8	†LKWSHR, Terminal	5	33	553620	WIRE, Ignition Switch to Starter Button	1
7	601212	CLAMP, Ammeter	1	34	940646	CLAMP, Tachometer	1
8	14D-10	NUT, Ammeter	4	35	580857	CABLE, Tachometer	1
8A	12E-10	†LKWSHR, Ammeter	2	36	941807	TACHOMETER	1
9	550735	AMMETER	1	37	12D-8	NUT, Adapter	5
10	3G-604	SCREW, Hourmeter	6	37A	12E-8	†LKWSHR, Adapter	5
10A	12E-6	†LKWSHR, Hourmeter	6	38	3G-1008	SCREW, Ground Wire	1
11	626530	CLAMP, Conv. Temp. Gauge	1	38A	12D-10	†NUT, Ground Wire	1
12	551321	GAUGE, Converter Temperature	1	38B	12E-10	†LKWSHR, Ground Wire	1
13	525374	ADAPTER, Conv. Temp. Gauge	1	39	536999	WIRE, Hourmeter Ground	1
14	551499	*LAMP, Dash (Inc. 42)	1	40	551251	DAMPENER, Hourmeter Vibration	1
15	18G-606	SCREW, Dash Lamp	2	41	1743825	HOURMETER, Engine	1
15A	12E-6	†LKWSHR, Dash Lamp	2	42	—	§WIRE, Dash Lamp (See 14)	—
16	626530	CLAMP, Oil Pressure Gauge	1	43	550741	SWITCH, Light	1
17	602350	SEPARATOR, Oil Pressure Gauge	1	43A	550742	†ROD, Light Switch	1
18	523372	GAUGE, Engine Oil Pressure	1	43B	550743	†BUSHING, Light Switch	1
19	551254	ADAPTER, Oil Pressure Gauge	1	44	590700	WIRE, Ignition Switch to Light Switch	1
20	12D-8	NUT, Tachometer	2	45	695650	WIRE, Ammeter to Ignition Switch	1
20A	12E-8	†LKWSHR, Tachometer	2	46	573548	SWITCH, Ignition	1
21	525374	ADAPTER, Engine Temp. Gauge	1	47	661556	FUSE — 14 Amp	1
22	551322	GAUGE, Engine Temperature	1	48	661555	FUSE — 4 Amp	1
23	626530	CLAMP, Engine Temp. Gauge	1	49	590699	WIRE, Light Switch to Gauges	1
24	517228	GAUGE, Air Pressure	1	50	551254	ADAPTER, Fuel Gauge	1
25	626530	CLAMP, Air Pressure Gauge	1	51	542642	GAUGE, Clutch Pressure	1
26	31G-409	SCREW, Panel to Cockpit	4				

†Not Illustrated

§Not Sold Separately

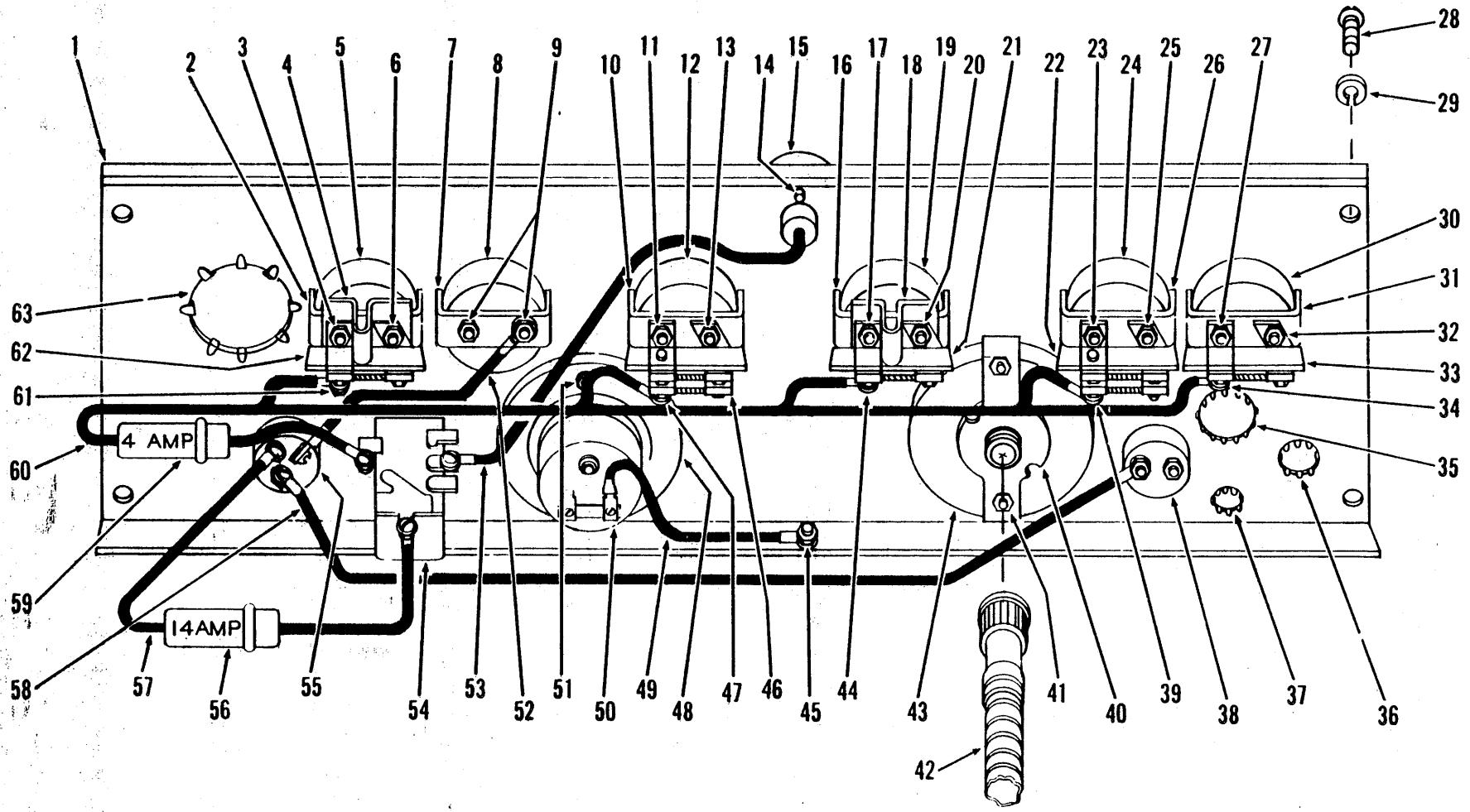
\*NOTE: For replacement of 551499 Lamp Assy use 574276 Lamp plus 1-945055 Bulb & 1-574275 Tab.

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





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92B.1

(1G21)

PM-3480

INSTRUMENT PANEL - G.M.  
For Serial: 4TG101 & after

TS-5127-P

**INSTRUMENT PANEL—G.M.  
For Serial: 4TG101 and after**

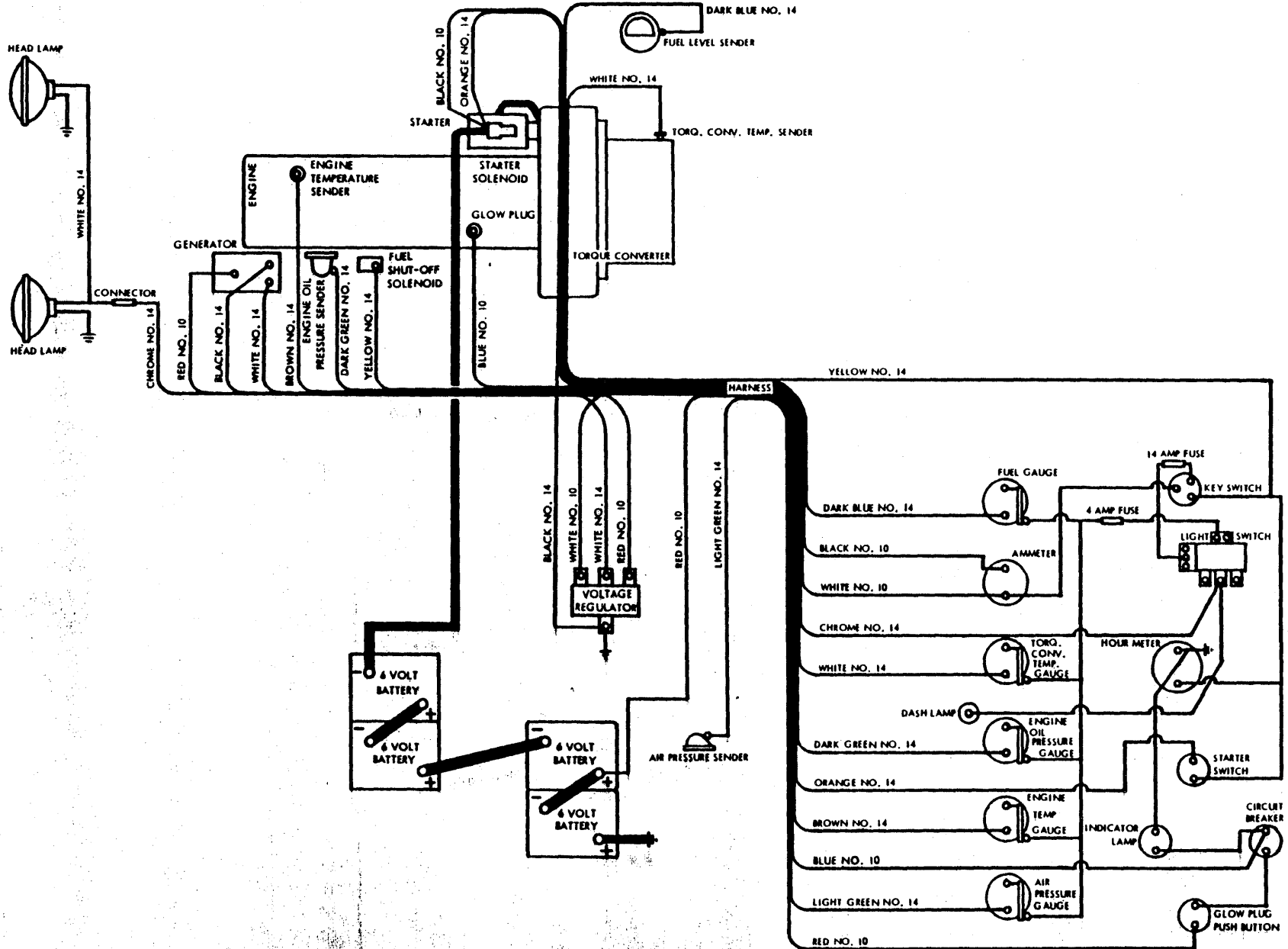
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	581419	PANEL, Instrument .....	1	33	551254	ADAPTER, Air Pressure Gauge .....	1
2	626530	CLAMP, Fuel Gauge .....	1	34	12D-8	NUT, Adapter .....	1
3	14D-10	NUT, Fuel Gauge .....	2	34A	12E-8	†LKWSHR, Adapter .....	1
3A	12E-10	†LKWSHR, Fuel Gauge .....	1	35	525591	PLUG BUTTON .....	1
4	602350	SEPARATOR, Fuel Gauge Terminals....	1	36	696073	PLUG BUTTON .....	1
5	551320	GAUGE, Fuel .....	1	37	661863	PLUG BUTTON .....	1
6	12D-8	NUT, Fuel Gauge .....	2	38	600259	PUSH BUTTON .....	1
6A	12E-8	†LKWSHR, Fuel Gauge .....	1	38A	857420	†RUBBER BOOT, Push Button .....	1
7	601212	CLAMP, Ammeter .....	1	39	12D-8	NUT, Adapter .....	1
8	550735	AMMETER .....	1	39A	12E-8	†LKWSHR, Adapter .....	1
9	14D-10	NUT, Ammeter .....	4	40	940646	CLAMP, Tachometer .....	1
9A	12E-10	LKWSHR, Ammeter .....	2	41	12D-8	NUT, Tachometer .....	2
10	626530	CLAMP, Converter Temperature .....	1	41A	12E-8	LKWSHR, Tachometer .....	2
11	14D-10	NUT, Converter Temperature .....	2	42	580857	CABLE, Tachometer .....	1
11A	12E-10	†LKWSHR, Converter Temperature .....	1	43	941807	TACHOMETER .....	1
12	551321	GAUGE, Converter Temperature.....	1	44	12D-8	NUT, Adapter .....	1
13	12D-8	NUT, Converter Temperature .....	2	44A	12E-8	†LKWSHR, Adapter .....	1
13A	12E-8	†LKWSHR, Converter Temperature .....	1	45	3G-1008	SCREW, Hourmeter Ground .....	1
14	18G-606	SCREW, Dash Lamp .....	2	45A	12D-10	†NUT, Hourmeter Ground .....	1
14A	12E-6	†LKWSHR, Dash Lamp .....	2	45B	12E-10	†LKWSHR, Hourmeter Ground .....	1
15	556891	*LAMP, Dash (Inc. 53) .....	1	46	525374	ADAPTER, Conv. Temperature Gauge	1
16	626530	CLAMP, Engine Oil Pressure .....	1	47	12D-8	NUT, Adapter .....	1
17	14D-10	NUT, Oil Pressure Gauge .....	2	47A	12E-8	†LKWSHR, Adapter .....	1
17A	12E-10	†LKWSHR, Oil Pressure Gauge .....	1	48	551251	DAMPENER, Hourmeter Vibration .....	1
18	602350	SEPARATOR, Eng. Oil Press. Term....	1	49	536999	WIRE, Hourmeter Ground .....	1
19	523372	GAUGE, Engine Oil Pressure .....	1	50	1743825	HOURMETER .....	1
20	12D-8	NUT, Oil Pressure Gauge .....	2	51	3G-604	SCREW, Hourmeter .....	3
20A	12E-8	†LKWSHR, Oil Pressure Gauge .....	1	51A	12E-6	LKWSHR, Hourmeter .....	3
21	551254	ADAPTER, Eng. Oil Pressure Gauge....	1	52	695650	WIRE, Ammeter to Ignition Switch....	1
22	525374	ADAPTER, Engine Temp. Gauge .....	1	53	—	§WIRE, Dash Lamp — See 15 .....	—
23	14D-10	NUT, Engine Temperature Gauge .....	2	54	550741	SWITCH, Light .....	1
23A	12E-10	†LKWSHR, Engine Temperature Gauge	1	54A	550742	ROD, Light Switch .....	1
24	551322	GAUGE, Engine Temperature .....	1	54B	550743	BUSHING, Light Switch .....	1
25	12D-8	NUT, Engine Temperature Gauge .....	2	55	573548	SWITCH, Ignition .....	1
25A	12E-8	†LKWSHR, Engine Temperature Gauge	1	56	661556	FUSE, 14 Amp .....	1
26	626530	CLAMP, Engine Temperature Gauge..	2	57	590700	WIRE, Ign. to Light Switch (Inc. 56)....	1
27	14D 10	NUT, Air Pressure Gauge .....	2	58	553620	WIRE, Ign. to Starter Push Button....	1
27A	12E-10	†LKWSHR, Air Pressure Gauge .....	1	59	661555	FUSE, 4 Amp .....	1
28	31G-409	SCREW, Panel to Cockpit .....	4	60	590699	WIRE, Light Switch to Gauges (Inc. 59)	1
29	6E-04	LKWSHR, Panel to Cockpit .....	4	61	12D-8	NUT, Adapter .....	1
30	517228	GAUGE, Air Pressure .....	1	61A	12E-8	†LKWSHR, Adapter .....	1
31	626530	CLAMP, Air Pressure Gauge .....	1	62	551254	ADAPTER .....	1
32	12D-8	NUT, Air Pressure Gauge .....	2	63	641282	PLUG BUTTON .....	1
32A	12E-8	†LKWSHR, Air Pressure Gauge .....	1				

†Not Illustrated

§Not Sold Separately

\*NOTE: For replacement of 556891 Dash Lamp use 574276 Dash Lamp plus 1—945055 Bulb & 1—574275 Tab.

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

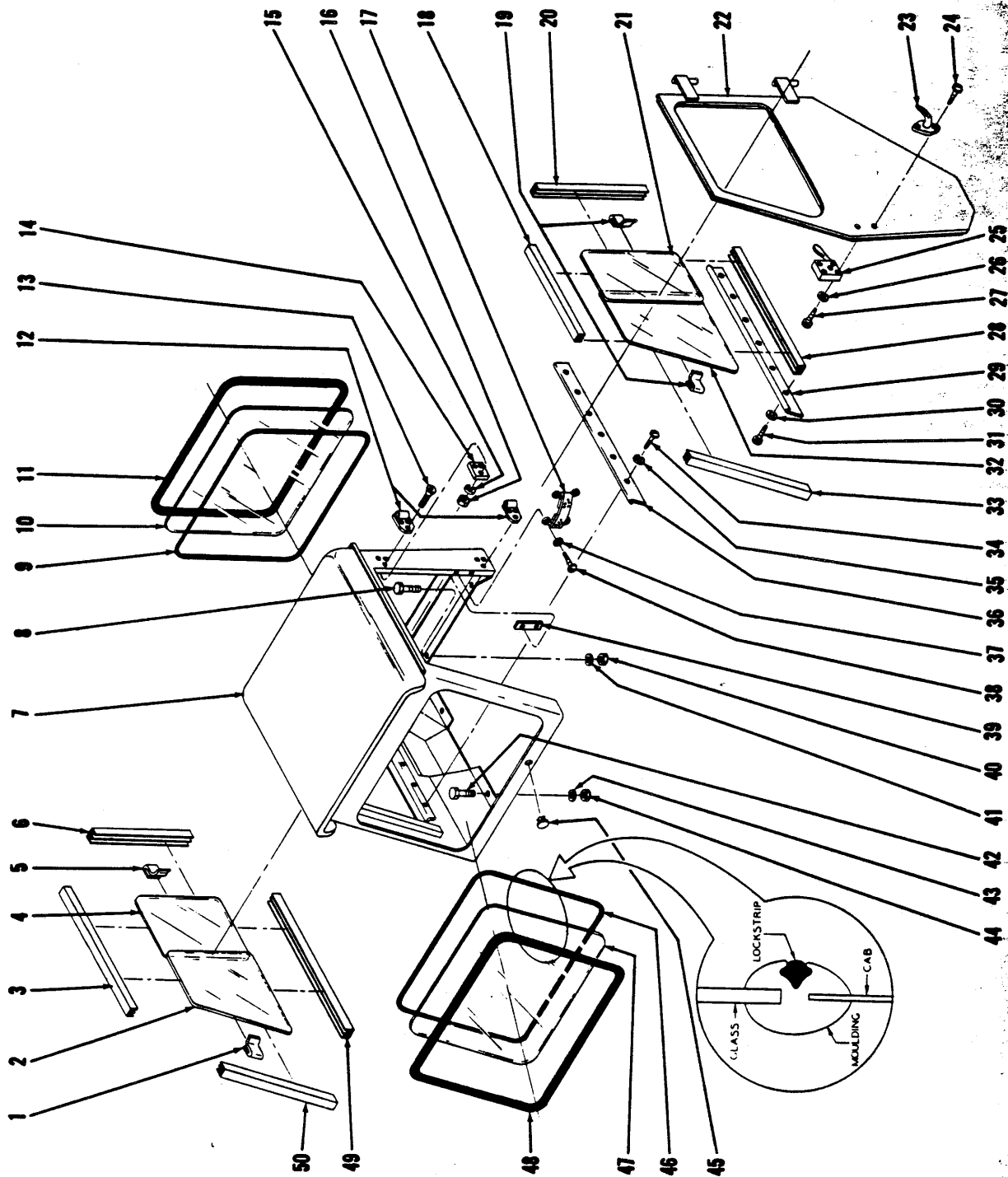


WIRING DIAGRAM

TS-2258-P



TS-1144-P

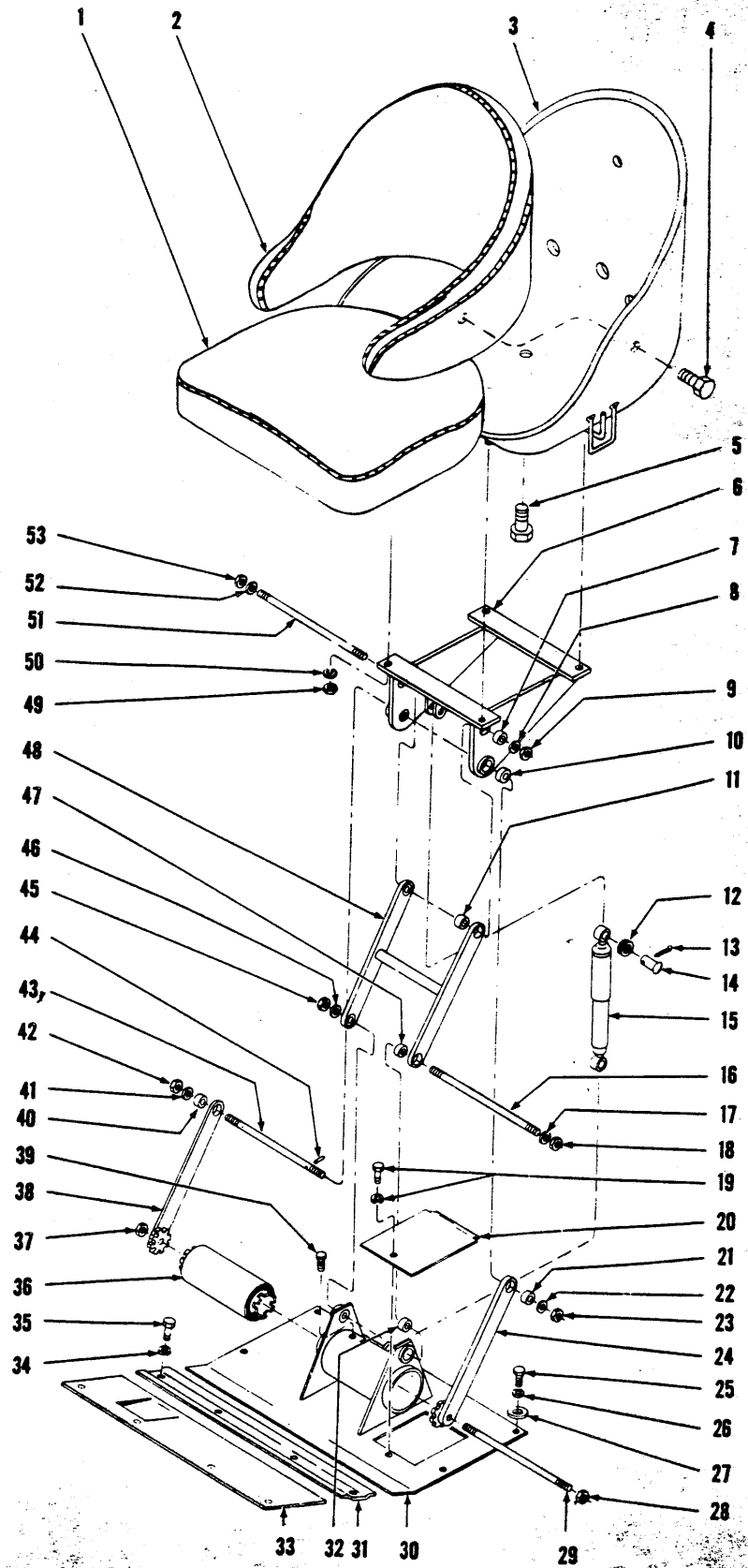


CAB ASSEMBLY

**CAB ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	593061	CAB ASSY (Inc. 1 thru 50)	1	25	138249	LATCH, Inside Door	1
1	955833	FINGER LIFT, Sliding Glass	1	26	17E-10	LKWSHR, Door Latch	4
2	-----	GLASS PATTERN, Front Sliding Window (See 51)	1	27	2G-1012	SCREW, Door Latch	4
3	138294	CHANNEL, Sliding Window — Top	1	28	138250	CHANNEL, Sliding Window — Bottom	1
4	-----	GLASS PATTERN, Rear Sliding Window (See 51)	1	29	138248	STRIP, Door Window Retaining	1
5	955833	FINGER LIFT, Sliding Window	1	30	17E-10	LKWSHR, Retaining Strip Attaching	6
6	138295	CHANNEL, Sliding Window — Rear	1	31	18G-1008	SCREW, Retaining Strip Attaching	6
7	1528615	BODY, Cab	1	32	-----	GLASS PATTERN, Front Sliding Window (See 51)	1
8	2C-816	BOLT, Cab Attaching — 1/2"	2	33	138251	CHANNEL, Sliding Window — Front	1
9	138304	LOCKSTRIP, Rear Window Moulding	1	34	18G-1008	SCREW, Retaining Strip Attaching	6
10	-----	GLASS PATTERN, Rear Window	1	35	17E-10	LKWSHR, Retaining Strip Attaching	6
11	138302	MOULDING, Rear Window	1	36	138298	STRIP, Sliding Window Retaining	1
12	138288	HINGE, Door Pivot	2	37	17E-10	LKWSHR, Check Strap Attaching	4
13	9G-520	SCREW, Door Hinge — Allen Head	6	38	2G-1012	SCREW, Check Strap Attaching	4
14	138291	PLATE, Hinge Back-Up	2	39	138379	PLATE, Check Strap Backing	2
15	4E-05	LKWSHR, Door Hinge	6	40	2D-08	NUT, Cab Attaching — 1/2"	2
16	1D-05	NUT, Door Hinge	6	41	4E-08	LKWSHR, Cab Attaching — 1/2"	2
17	138232	STRAP, Door Check	2	42	2C-612	BOLT, Cab Attaching — 3/8"	8
18	138252	CHANNEL, Sliding Window — Top	1	43	4E-06	LKWSHR, Cab Attaching — 3/8"	8
19	955833	FINGER LIFT, Sliding Glass	2	44	2D-06	NUT, Cab Attaching — 3/8"	8
20	138253	CHANNEL, Sliding Window — Rear	1	45	743200	BUTTON, Plug — Windshield Wiper Hole	1
21	-----	GLASS PATTERN, Rear Sliding Window (See 51)	1	46	138303	LOCKSTRIP, Windshield Moulding	1
22	593219	DOOR ASSY, (Inc. 12 thru 33, 37, 38, 39)	1	47	-----	GLASS PATTERN, Windshield (See 51)	1
22A	138238	PANEL, Door	1	48	138301	MOULDING, Windshield	1
23	1525710	HANDLE, Door — Outside	1	49	138292	CHANNEL, Sliding Window — Bottom	1
24	742950	SCREW, Outside Door Handle	2	50	138293	CHANNEL, Sliding Window — Front	1
				51	943861	GLASS PATTERN KIT (Inc. 2, 4, 10, 21, 32, 47)	1

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



**BUCKET SEAT AND FLOORBOARDS - CUMMINS**  
For Serial: 44123 thru 44299, 1TC100 thru 1TC102, 2TC1 thru 2TC5

TS-2260-P





CONSTRUCTION MACHINERY DIVISION

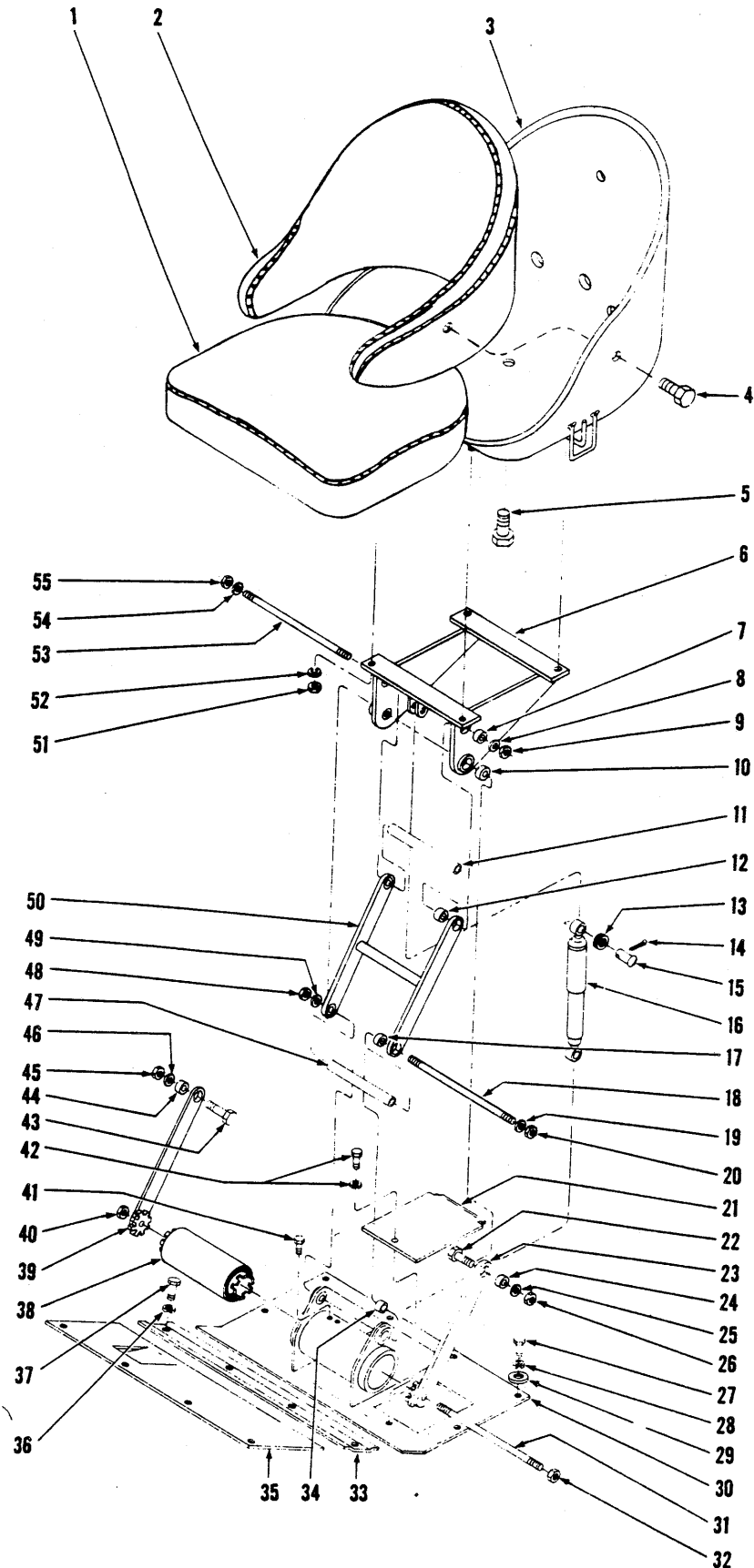


BUCKET SEAT AND FLOORBOARDS — CUMMINS
For Serial 44123 thru 44299, 1TC100, 1TC101, 1TC102, 2TC1 thru 2TC5

Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. It lists various mechanical parts like SEAT ASSY, CUSHION, BUSHING, SHAFT, and FLOORBOARD with their respective quantities.

\*NOTE: For replacement of 943663 Pin use 1-1550095 Shaft plus 2-799119 Retaining Rings.
\*\*NOTE: When replacing either item 24 or 38 for the first time both items must be replaced as a set.

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



**BUCKET SEAT AND FLOORBOARDS**  
For Serial: Cummins - 2TC6 & after. G.M. - 2TG101 thru 4TG117

TS-2269-P



CONSTRUCTION MACHINERY DIVISION

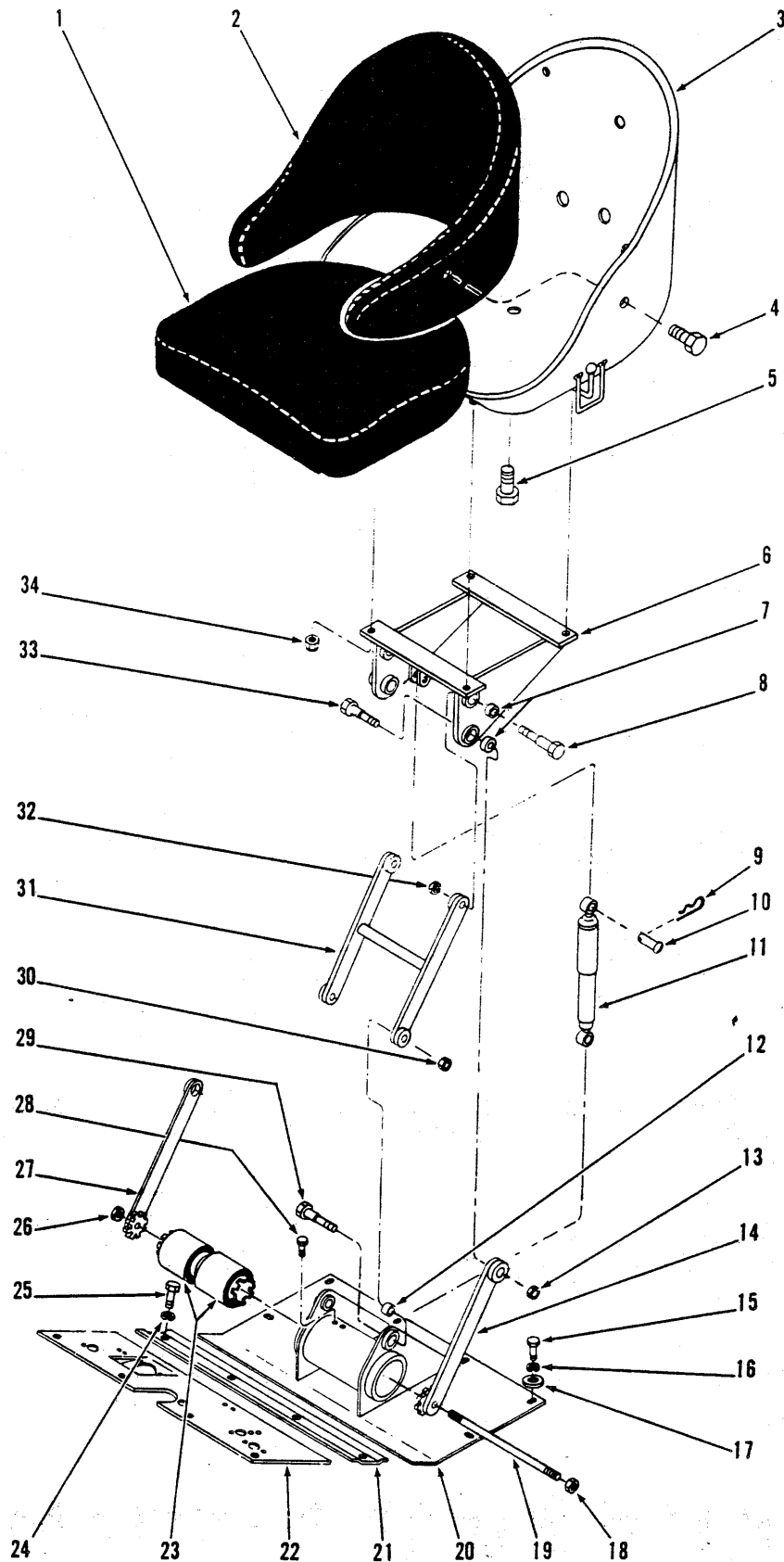


BUCKET SEAT AND FLOORBOARDS
For Serial: Cummins - 2TC6 and after
G.M. - 2TG101 thru 4TG117

Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. It lists various parts for bucket seats and floorboards, including items like SEAT ASSY, CUSHION, BUCKET, BOLT, BUSHING, SHAFT, NUT, PLATE, WASHER, SPRING, and ARM ASSY.

\*NOTE: When replacing either items 23 or 39 for the first time both items must be replaced as a set.

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



BUCKET SEAT AND FLOORBOARD

TS-4807



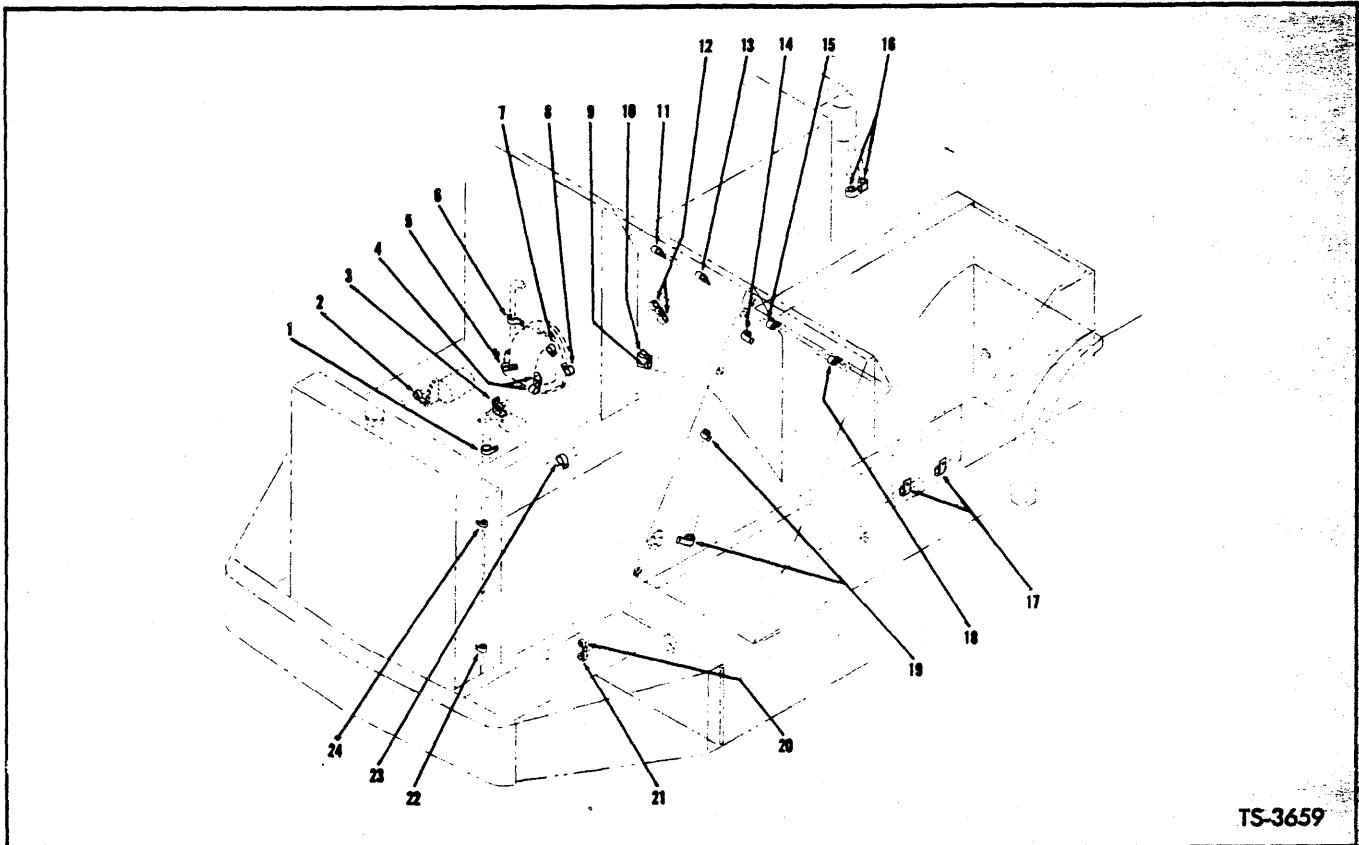
BUCKET SEAT AND FLOORBOARDS —G.M.

For Serial: 110 — 4TG-118 and thereafter

Item No.	Part No.	Description	No. Req'd.
A	1572355	SEAT ASSY, Bucket (Inc. 1 thru 5)	1
1	944499	CUSHION, Seat	1
2	944981	CUSHION, Back-Rest	1
3	944982	BUCKET	1
4	1C-610	BOLT, Back-Rest & Cushion Attaching	5
5	1C-610	BOLT, Seat Cushion Attaching	2
6	945797	CARRIAGE ASSY (Inc. 7)	1
7	945798	BUSHING, Carriage	4
8	945804	BOLT, Carriage to Upper Arm	2
9	1618606	HAIRPIN, Shock Absorber Pin	2
10	943663	*PIN, Shock Absorber Attaching	2
11	559107	SHOCK ABSORBER ASSY (Inc. 9, 10)	1
12	945798	BUSHING, Support Base	2
13	43D-08	NUT, Shoulder Bolt	2
14	945801	ARM, Lower—L.H.	1
15	18C-612	BOLT, Floorboard to Cockpit	10
16	4E-06	LKWSHR, Floorboard to Cockpit	10
17	980055	WASHER, Rear Floorboard to Cockpit	6
18	43D-08	NUT, Shaft	1
19	943707	SHAFT, Lower Arm to Base	1
20	581327	FLOORBOARD & SUPPORT ASSY, Seat (Inc. 6 thru 8, 12 thru 14, 18, 19, 23, 26-33)	1
21	580845	PLATE, Floorboard Clamp	1
22	580843	FLOORBOARD, Front	1
23	943705	SPRING, Base — Torsilastic	2
24	4E-06	LKWSHR, Clamp Plate to Cockpit	4
25	18C-612	BOLT, Clamp Plate to Cockpit	4
26	43D-08	NUT, Shaft	1
27	945802	ARM, Lower — R.H.	1
28	1C-506	BOLT, Torsilastic Spring Retaining	4
29	945804	BOLT, Base to Upper Arm	2
30	43D-08	NUT, Base to Upper Arm Bolt	2
31	945796	ARM, Upper	1
32	43D-08	NUT, Carriage to Upper Arm	2
33	945804	BOLT, Carriage to Lower Arm	2
34	18D-05	NUT, Seat to Carriage	4

\*NOTE: For replacement of 943663 Pin use 1—1550095 Shaft plus 2—799119 Retaining Rings.

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



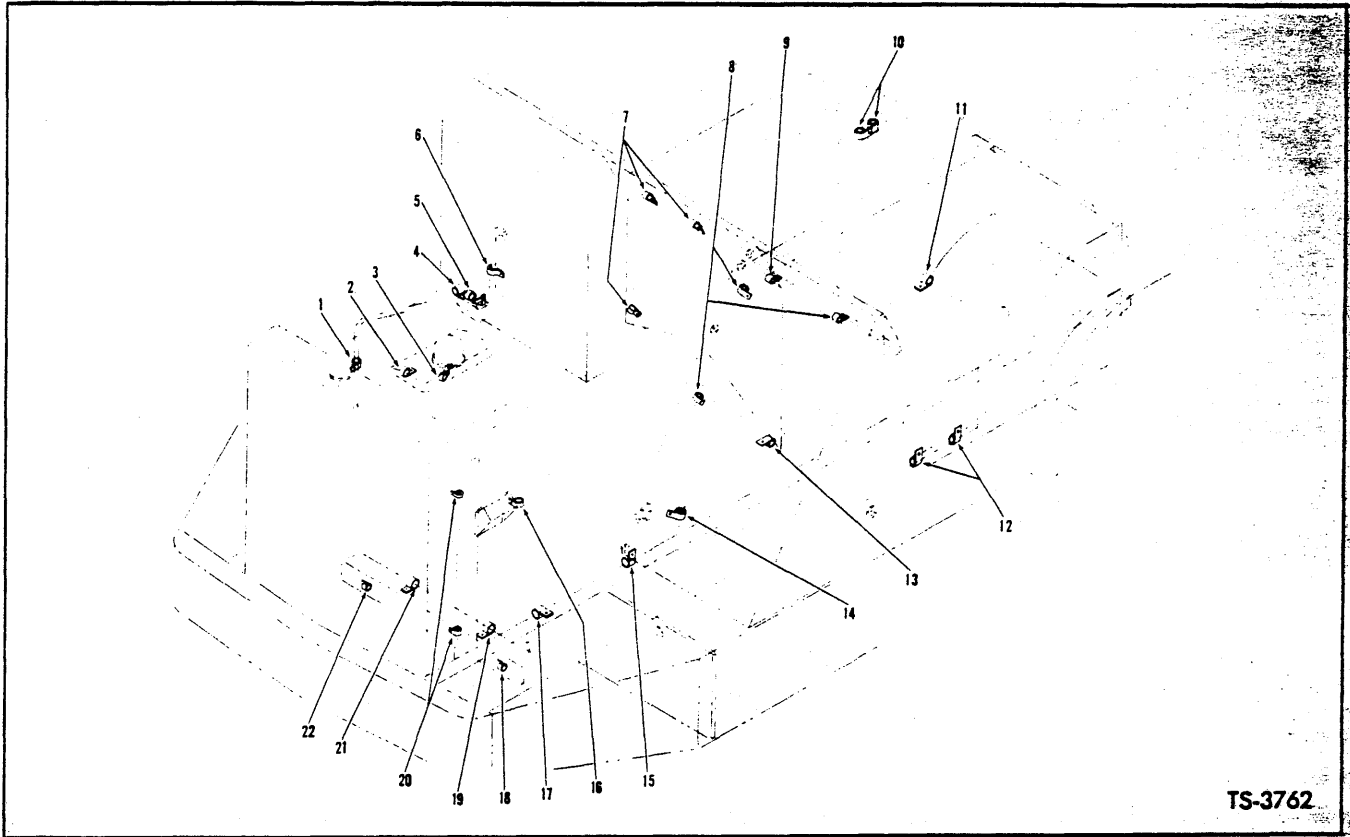
TS-3659

**CLIP DIAGRAM — G.M.**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	29H-30	CLIP, Fuel Hose	1	12B	18D-04	†NUT, Clips to Firewall	1
2	29H-12	CLIP, Engine Temperature Wire	1	13	29H-10	CLIP, Wiring Harness	1
3	29H-7	CLIP, Engine Stop Cable	1	13A	18C-412	†BOLT, Clip to Firewall	1
3A	594857	†BRACKET, Clip to Governor	1	13B	18D-04	†NUT, Clip to Firewall	1
3B	18C-412	†BOLT, Clip to Bracket	1	14	29H-19	CLIP, Wiring Harness	1
3C	18D-04	†NUT, Clip to Bracket	1	14A	18C-412	†BOLT, Clip to Cockpit	1
4	29H-21	CLIP, Wiring Harness	1	14B	18D-04	†NUT, Clip to Cockpit	1
4A	582701	BRACKET, Clip to Air Intake Housing	1	15	29H-50	CLIP, Wiring Harness	1
4B	18C-612	†BOLT, Clip to Bracket	1	15A	18C-412	†BOLT, Clip to Instrument Panel	1
4C	18D-06	†NUT, Clip to Bracket	1	15B	18D-04	†NUT, Clip to Instrument Panel	1
5	29H-21	CLIP, Wiring Harness	1	16	29H-36	CLIP, Torque Converter Hose	2
6	30H-18	CLIP, Breather Tube	1	16A	18C-512	†BOLT, Clip Attaching	1
6A	18C-408	†BOLT, Clip to Oil Reservoir	1	16B	18D-05	†NUT, Clip Attaching	1
6B	4E-04	†LKWSHR, Clip to Oil Reservoir	1	17	30H-45	CLIP, Air Brake Hose	2
7	29H-7	CLIP, Emergency Stop Cable	1	17A	17D-1	†NUT, Clips to Frame Channel	2
7A	17C-408	†BOLT, Clip to Air Intake Housing	1	18	29H-19	CLIP, Wiring Harness	1
7B	4E-04	†LKWSHR, Clip to Air Intake Housing	1	18A	18C-412	†BOLT, Clip to Instrument Panel	1
8	29H-9	CLIP, Engine Stop Cable	1	18B	18D-04	†NUT, Clip to Instrument Panel	1
9	30H-29	CLIP, Clutch Pressure Hose	1	19	29H-19	CLIP, Wiring Harness	2
10	29H-10	CLIP, Wiring Harness	1	19A	18C-412	†BOLT, Clip to Cockpit	2
10A	18C-416	†BOLT, Clips to Firewall	1	19B	18D-04	†NUT, Clip to Cockpit	2
10B	18D-04	†NUT, Clips to Firewall	1	20	29H-10	CLIP, Light Wire	1
11	29H-10	CLIP, Wiring Harness	1	20A	17D-1	†NUT, Clip to Frame	1
11A	18C-412	†BOLT, Clip to Firewall	1	21	29H-50	CLIP, Battery Cable	1
11B	18D-04	†NUT, Clip to Firewall	1	22	29H-1	CLIP, Light Wire	1
12	29H-7	CLIP, Stop & Emergency Stop Cable	2	23	29H-30	CLIP, Fuel Hose	1
12A	18C-412	†BOLT, Clips to Firewall	1	24	29H-1	CLIP, Light Wire	1

†Not Illustrated

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



TS-3762

**CLIP DIAGRAM — G.M.**  
**For Serial 3TG101 thru 3TG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	29H-31	CLIP, Air Intake Tube	1	10	29H-36	CLIP, Torque Converter Hose	2
1A	51D-10	†NUT, Clip to Radiator Hose Clamp	1	10A	18C-512	†BOLT, Clip Attaching	1
2	30H-23	CLIP, Generator Wiring Harness	1	10B	18D-05	†NUT, Clip Attaching	1
3	29H-9	CLIP, Emergency Stop Cable	1	11	30H-34	CLIP, Clutch Pressure Hose	1
3A	582701	†BRACKET, Clip to Air Intake Housing	1	12	30H-45	CLIP, Air Brake Hose	2
3B	18C-616	†BOLT, Clip to Bracket	1	12A	17D-1	†NUT, Clips to Frame Channel	2
3C	18D-06	†NUT, Clip to Bracket	1	13	30H-33	CLIP, Clutch Pressure Hose	1
4	29H-10	CLIP, Temperature Sender Wire	1	14	29H-19	CLIP, Wiring Harness	1
4A	17C-416	†BOLT, Clip to Governor	1	14A	18C-412	†BOLT, Clip to Cockpit	1
5	29H-7	CLIP, Emergency Stop Cable	1	14B	18D-04	†NUT, Clip to Cockpit	1
5A	594857	†BRACKET, Clip to Governor	1	15	30H-45	CLIP, Air Line Pipe	1
5B	18C-412	†BOLT, Clip to Bracket	1	15A	18C-412	†BOLT, Clip to Frame	1
5C	18D-04	†NUT, Clip to Bracket	1	15B	18D-04	†NUT, Clip to Frame	1
6	30H-18	CLIP, Fuel Tank Breather Tube	1	16	29H-14	CLIP, Generator Wiring Harness	1
6A	18C-408	†BOLT, Clip to Oil Reservoir	1	17	30H-14	CLIP, Light Wire	1
6B	4E-04	†NUT, Clip to Oil Reservoir	1	18	30H-38	CLIP, Air Line Tube	1
7	29H-10	CLIP, Wiring Harness	3	18A	18C-620	†BOLT, Clip to Frame	1
7A	18C-412	†BOLT, Clips to Firewall	3	18B	18D-06	†NUT, Clip to Frame	1
7B	18D-04	†NUT, Clips to Firewall	3	19	30H-29	CLIP, Battery Cable	1
8	29H-19	CLIP, Wiring Harness	3	19A	18D-04	†NUT, Clip to Frame	1
8A	18C-412	†BOLT, Clips to Cockpit & Instrument Panel	3	20	29H-1	CLIP, Light Wire	2
8B	18D-04	†NUT, Clips to Cockpit & Instrument Panel	3	20A	18G-1208	†SCREW, Clip to Radiator	2
9	29H-50	CLIP, Wiring Harness	1	21	30H-29	CLIP, Battery Cable	1
9A	18C-412	†BOLT, Clip to Instrument Panel	1	21A	18D-04	†NUT, Clip to Frame	1
9B	18D-04	†NUT, Clip to Instrument Panel	1	22	30H-38	CLIP, Air Line Tube	1
				22A	18C-620	†BOLT, Clip to Frame	1
				22B	18D-06	†NUT, Clip to Frame	1

†Not Illustrated

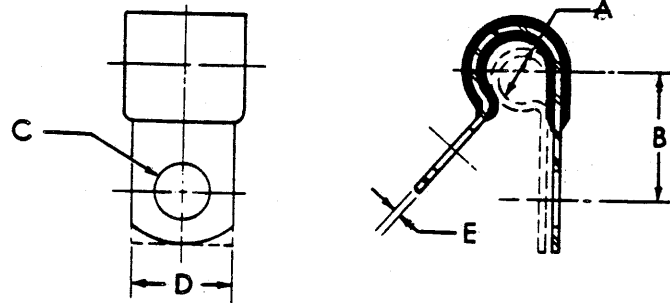
**WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE**

**WIRING, PIPE AND HOSE CLIPS —G.M.**

For Serial: 4TG101 and after

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

**INSULATED CLIP**



TS-5008-P

ITEM NO.	PART NUMBER	A	B	C	D	E
1	29H-7	1/4	1 1/32	3/32	1/2	.025
2	29H-9	1/4	5/8	1 3/32	5/8	.025
3	29H-10	5/16	7/16	3/32	1/2	.025
4	29H-14	3/8	5/8	1 1/32	7/16	.025
5	29H-19	1/2	2 1/32	3/32	1/2	.025
6	29H-31	1 5/16	7/8	3/32	1/2	.025
7	29H-36	1 1/4	1 1/16	1 1/32	7/16	.025
8	29H-39	1 5/16	1 7/32	1 1/32	7/16	.025
9	30H-7	1/8	1 5/32	3/32	1/2	.025
10	30H-14	1/4	1 7/32	3/32	1/2	.036
11	30H-19	5/16	5/8	1 1/32	5/8	.036
12	30H-23	3/8	2 3/32	1 3/32	3/4	.036
13	30H-29	1/2	2 1/32	3/32	1/2	.050
14	30H-38	5/8	2 7/32	1 3/32	3/4	.050
15	30H-45	1 3/16	7/8	1 1/32	5/8	.050





CONSTRUCTION MACHINERY DIVISION



DECALS — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	551740	DECAL, Michigan .....	2
2	547815	DECAL, Clark Equipment .....	2
3	593208	DECAL, Model .....	2
4	593209	DECAL, Trans. & Conv. Fill .....	1
5	548472	DECAL, Reservoir & Trans. Oil Level .....	2
6	538256	DECAL, Trans. Drain .....	1
7	548520	DECAL, Torque Converter — On Instrument Panel .....	1
8	584608	DECAL, Cold Starting Procedure .....	1
9	538258	DECAL, Switch Identification .....	1
10	548522	DECAL, Engine Shut-Down .....	1
11	542074	PLATE, Patent .....	1
12	6C-605	SCREW, Patent Plate .....	4
13	582867	PLATE, Accumulator Instruction .....	1
14	6C-406	SCREW, Instruction Plate .....	4

DECALS — G.M.

Item No.	Part No.	Description	No. Req'd.
1	547852	DECAL, Michigan .....	2
2	547815	DECAL, Clark Equipment .....	2
3	584568	DECAL, Model .....	2
4	584607	DECAL, Trans. & Conv. Fill .....	1
5	548472	DECAL, Reservoir & Trans. Oil Level .....	2
6	538256	DECAL, Trans. Drain .....	1
7	548520	DECAL, Torque Converter — On Instrument Panel .....	1
8	538258	DECAL, Switch Identification .....	1
9	542074	PLATE, Patent .....	1
10	6C-605	SCREW, Patent Plate .....	4
11	582867	PLATE, Accumulator Instruction .....	1
12	6C-406	SCREW, Instruction Plate .....	4

NOTES

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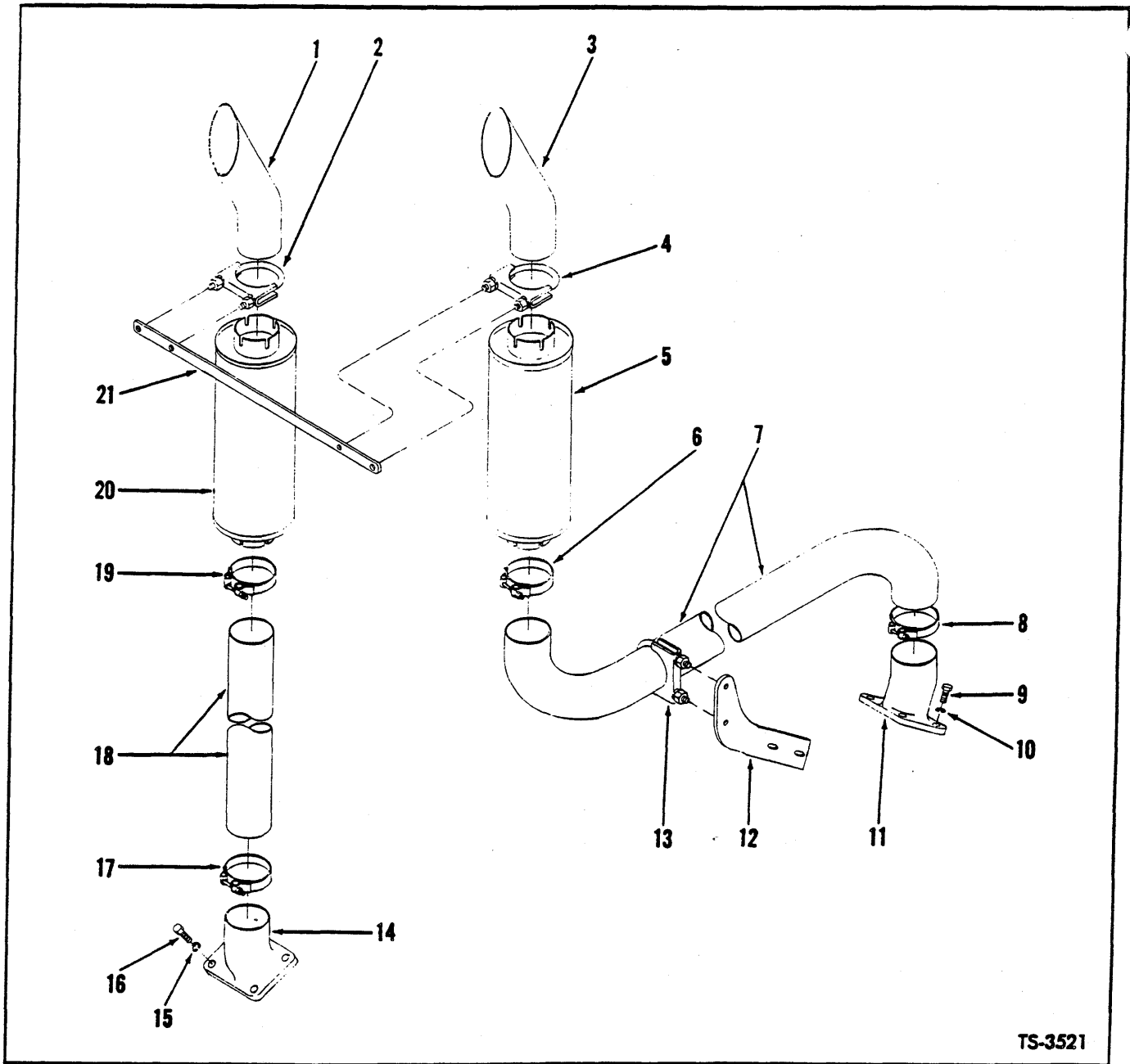


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WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

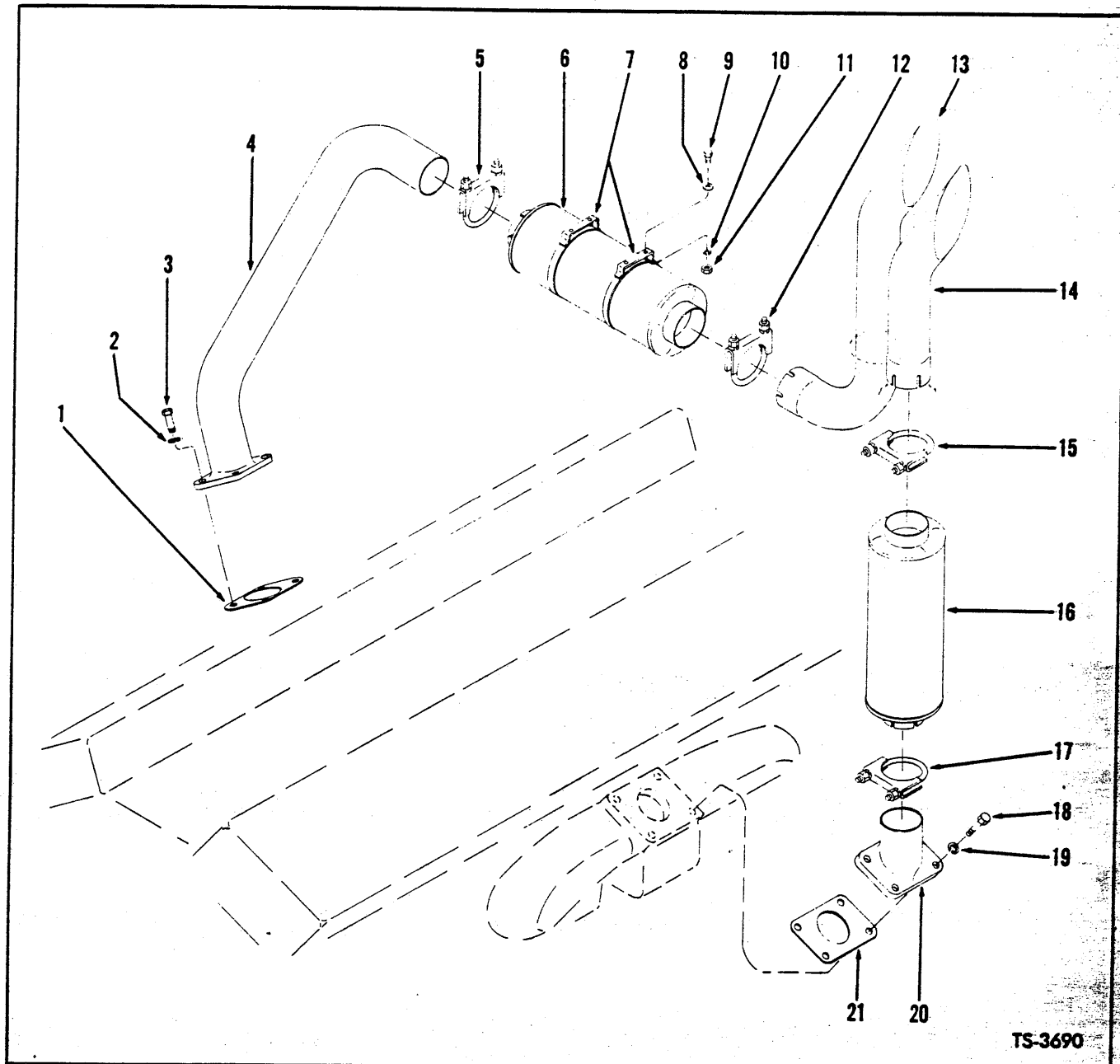


TS-3521

**MUFFLERS AND TAILPIPES**  
For Serial 2TG101 thru 2TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	584476	TAILPIPE — R.H.	1	12	584475	BRACKET, Exhaust Pipe Mounting	1
2	742513	CLAMP ASSY, Tail Pipe to Muffler	1	13	742513	CLAMP ASSY, Exhaust Pipe to Mounting Bracket	1
3	584476	TAIL PIPE — L.H.	1	14	584479	ADAPTER, Exhaust Manifold	1
4	742513	CLAMP ASSY, Tail Pipe to Muffler	1	15	4E-07	LKWSHR, Adapter to Manifold	4
5	532603	MUFFLER — L.H.	1	16	17C-720	BOLT, Adapter to Manifold	4
6	541869	CLAMP, Exhaust Pipe to Muffler	1	17	541869	CLAMP, Exhaust Pipe to Adapter	1
7	584295	EXHAUST PIPE — L.H.	1	18	584480	EXHAUST PIPE — R.H.	1
8	541869	CLAMP, Exhaust Pipe to Adapter	1	19	541869	CLAMP, Exhaust Pipe to Muffler	1
9	17C-720	BOLT, Adapter to Manifold	4	20	532603	MUFFLER — R.H.	1
10	4E-07	LKWSHR, Adapter to Manifold	4	21	584477	STRAP, Right & Left Hand Muffler Tie	1
11	584479	ADAPTER, Exhaust Manifold	1				

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



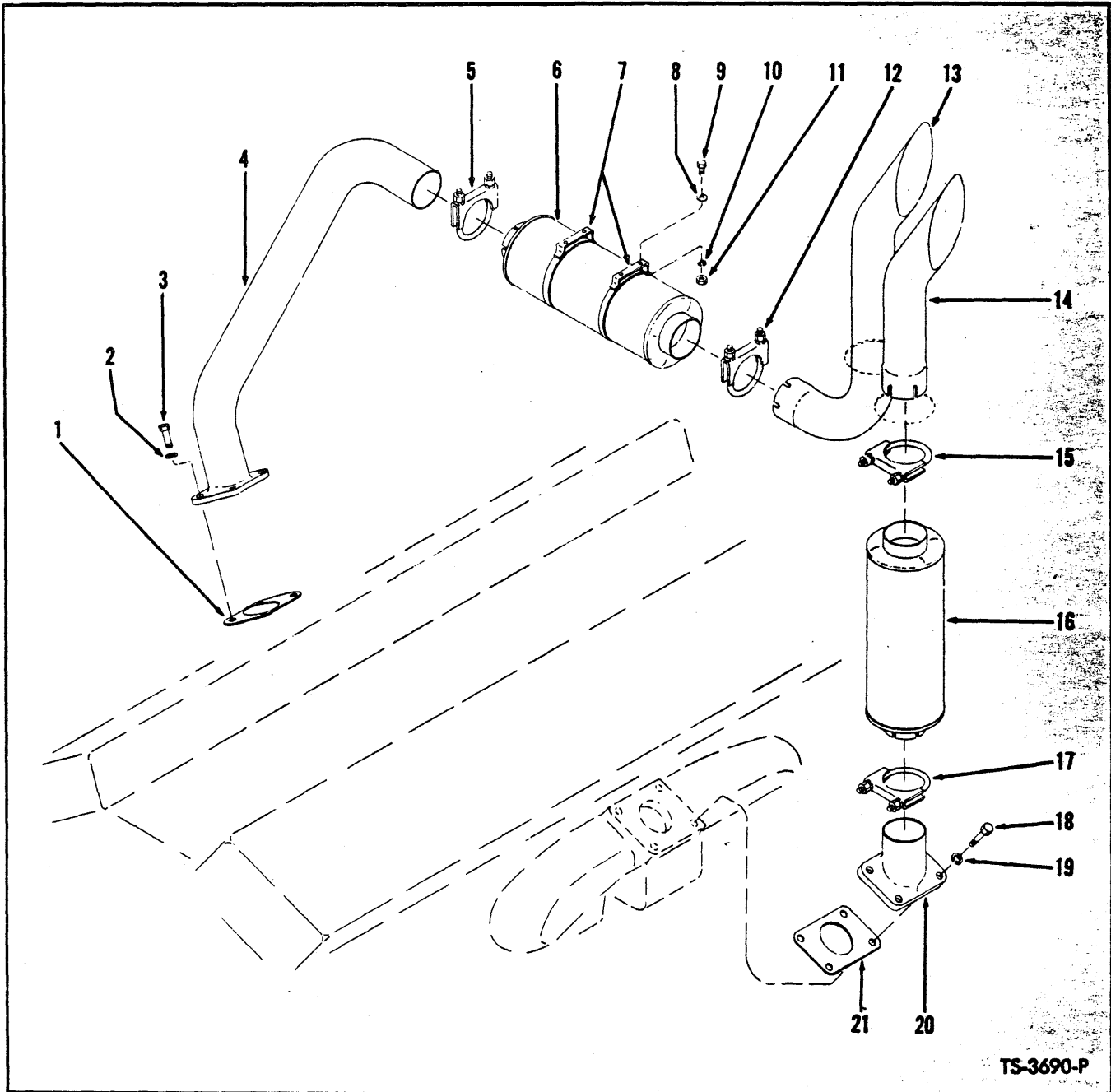
TS-3690

**MUFFLERS AND TAILPIPES —G.M.**

For Serial 3TG101 thru 3TG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	509303	GASKET, Adapter	1	12	507068	CLAMP ASSY, Tailpipe to Muffler	1
2	4E-07	LKWSHR, Adapter to Manifold	4	13	583591	TAILPIPE — L.H.	1
3	17C-720	BOLT, Adapter to Manifold	4	14	543576	TAILPIPE — R.H.	1
4	583589	ADAPTER, Exhaust Manifold	1	15	507068	CLAMP ASSY, Tailpipe to Muffler	1
5	507069	CLAMP ASSY, Muffler to Adapter	1	16	543575	MUFFLER — R.H.	1
6	543575	MUFFLER — L.H.	1	17	507069	CLAMP ASSY, Muffler to Adapter	1
7	871610	STRAP, Muffler	2	18	17C-720	BOLT, Adapter to Manifold	4
8	619023	WASHER, Muffler Strap to Hood	4	19	4E-07	LKWSHR, Adapter to Manifold	4
9	18C-612	BOLT, Muffler Strap to Hood	4	20	583587	ADAPTER, Exhaust Manifold	1
10	4E-06	LKWSHR, Muffler Strap to Hood	4	21	509303	GASKET, Adapter	1
11	2D-06	NUT, Muffler Strap to Hood	4				

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



TS-3690-P

**MUFFLERS AND TAILPIPES — G.M.**  
For Serial: 4TG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	549084	GASKET, Adapter .....	1	12	507068	CLAMP ASSY, Tailpipe to Muffler .....	1
2	4E-06	LKWSHR, Adapter to Manifold .....	4	13	583591	TAILPIPE — L.H. ....	1
3	17C-620	BOLT, Adapter to Manifold .....	4	14	543576	TAILPIPE — R.H. ....	1
4	585871	ADAPTER, Exhaust Manifold .....	1	15	507068	CLAMP ASSY, Tailpipe to Muffler.....	1
5	507069	CLAMP ASSY, Muffler to Adapter.....	1	16	543575	MUFFLER — R.H. ....	1
6	543575	MUFFLER — L.H. ....	1	17	507069	CLAMP ASSY, Muffler to Adapter.....	1
7	871610	STRAP, Muffler .....	2	18	17C-620	BOLT, Adapter to Manifold .....	4
8	619023	WASHER, Muffler Strap to Hood .....	4	19	4E-06	LKWSHR, Adapter to Manifold .....	4
9	18C-612	BOLT, Muffler Strap to Hood .....	4	20	585869	ADAPTER, Exhaust Manifold .....	1
10	4E-06	LKWSHR, Muffler Strap to Hood.....	4	21	549084	GASKET, Adapter .....	1
11	2D-06	NUT, Muffler Strap to Hood .....	4				

**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	521310	CABLE, Battery Connector .....	2
2	594236	CABLE, Battery Connector .....	1
3	592984	CABLE, Battery Ground .....	1
4	1546669	CABLE, Battery to Solenoid .....	1
5	592231	CABLE, Starter Ground .....	1
6	583008	HARNESS, Wiring .....	1
7	552438	GROMMET, Wiring Harness .....	1

WIRING AND BATTERY CABLES — G.M.

Item No.	Part No.	Description	No. Req'd.
1	521310	CABLE, Battery Connector .....	2
2	594236	CABLE, Battery Connector .....	1
3	592984	CABLE, Battery Ground .....	1
4		<i>CABLE, Battery to Solenoid</i>	
4A	581730	For Serial: 2TG101 thru 2TG999 .....	1
4B	583665	For Serial: 3TG101 and after .....	1
5	581063	CABLE, Starter to Ground .....	1
6		<i>HARNESS, Wiring — Main</i>	
6A	583010	For Serial: 2TG101 thru 2TG999 .....	1
6B	583667	For Serial: 3TG101 and after .....	1
7		<i>WIRE, Voltage Regulator Ground</i>	
7A	637280	For Serial: 2TG101 thru 2TG999 .....	1
7B	551879	For Serial: 3TG101 and after .....	1
8	593206	WIRE, Terminal to Head Lamps .....	1
9	583668	HARNESS, Generator to Regulator (For Serial: 3TG101 and after only) .....	1
10	526293	WIRE, Solenoid to Hourmeter Switch (For Serial: 3TG101 and after only) .....	1

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



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