

MICHIGAN

PARTS MANUAL

No. 2521-R1

Model 125

III A

Articulated Tractor Shovel

Information contained herein pertains to Machine Serial

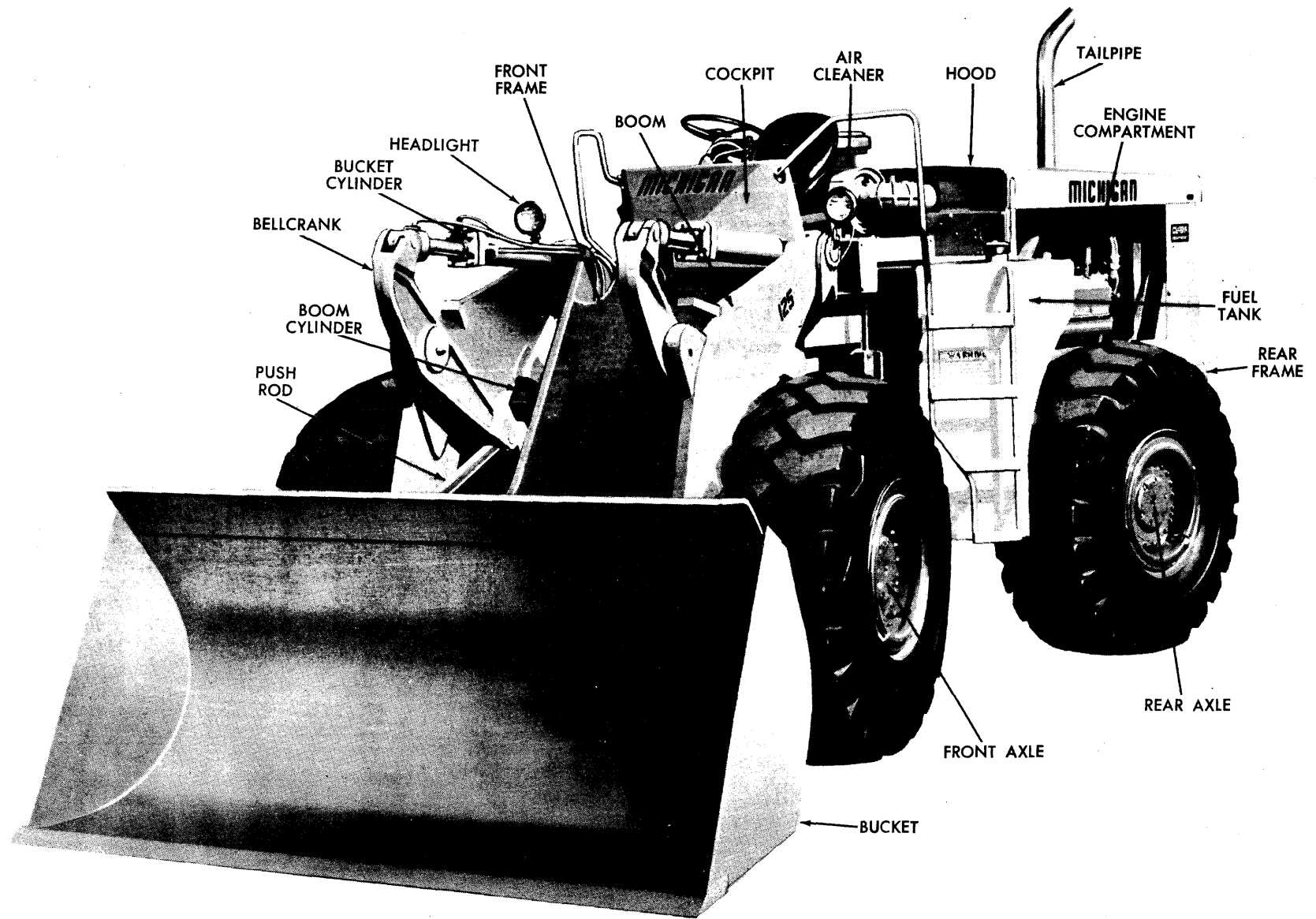
Numbers listed below:

125 III A Cummins — 7AFC101 thru 13AFC999

125 III A G.M. — 11AFG101 thru 12AFG999

Record Your Machine
Serial Number Here

CLARK EQUIPMENT COMPANY



MODEL 125 III A (ARTICULATED) TRACTOR SHOVEL

TS-8983

WHEN ORDERING REPAIR PARTS

To assure the best results and to maintain the original quality built into the machine it is important that only Clark-Approved Parts be used when new parts are required.

IMPORTANT: Always furnish the distributor with the machine serial number when ordering parts.

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

Always give serial number of machine.

Furnish: Quantity, Part Number and Description.

WHEN PARTS ARE RECEIVED

Check immediately for quantity, correctness and condition.

Advise your Michigan Distributor of any error.

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

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ENGINE AND ACCESSORIES — CUMMINS

For Serial: 7AFC101 thru 7AFC999

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

ENGINE ACCESSORIES

Item No.	Part No.	Description	No. Req'd.
1	946164	*STARTER, D.R. #1113872	1
2	946132	*ALTERNATOR, D.R. #1117774	1
3	556703	*VOLTAGE REGULATOR, D.R. #9000591	1
4	-----	**FUEL FILTERS	—
5	-----	**AIR COMPRESSOR	—
6	551323	SENDER UNIT, Engine Temperature	1
7	940643	***SENDER UNIT, Oil Pressure	1
8	14D-10	NUT, Electric Leads to Sender Units	2
9	12E-10	LKWSHR, Electric Leads to Sender Units	2
10	636260	SWITCH, Pressure — Hourmeter & Alternator	2
11	26F-1	ELBOW, 90° Street	1
12	542646	NIPPLE, Street	1
13	21F-1	CROSS, Pipe	1
14	1743825	HOURMETER KIT	1
15	551251	DAMPENER, Vibration — Hourmeter	1
16	2G-606	SCREW, Hourmeter Mounting	3
17	12E-6	LKWSHR, Hourmeter Mounting	3
18	18C-420	BOLT, Regulator to Air Cleaner Plate	3
19	18D-04	NUT, Regulator to Air Cleaner Plate	3

ENGINE SUPPORT PARTS

20	572356	SUPPORT, Engine — R.H.	1
21	572357	SUPPORT, Engine — L.H.	1
22	18C-1240	BOLT, L.H. Support to Frame	2
23	18D-12	NUT, L.H. Support to Frame	4
24	616809	WASHER, L.H. Support to Frame	2
25	18C-1072	BOLT, Front Engine Mount	2
26	18D-10	NUT, Front Engine Mount	2
27	18C-1272	BOLT, R.H. Support to Frame	2
28	616809	WASHER, R.H. Support	2
29	570419	SPRING, R.H. Support	2
30	672241	STOP BLOCK, R.H. Support	2
31	17C-1024	BOLT, Supports to Engine	8
32	4E-10	LKWSHR, Supports to Engine	8

*NOTE: Your local United Motor Service or Delco-Remy Distributor is equipped to service and supply component parts for these items.

**NOTE: These parts furnished with engine. See your nearest Cummins Distributor for service and replacement of these parts.

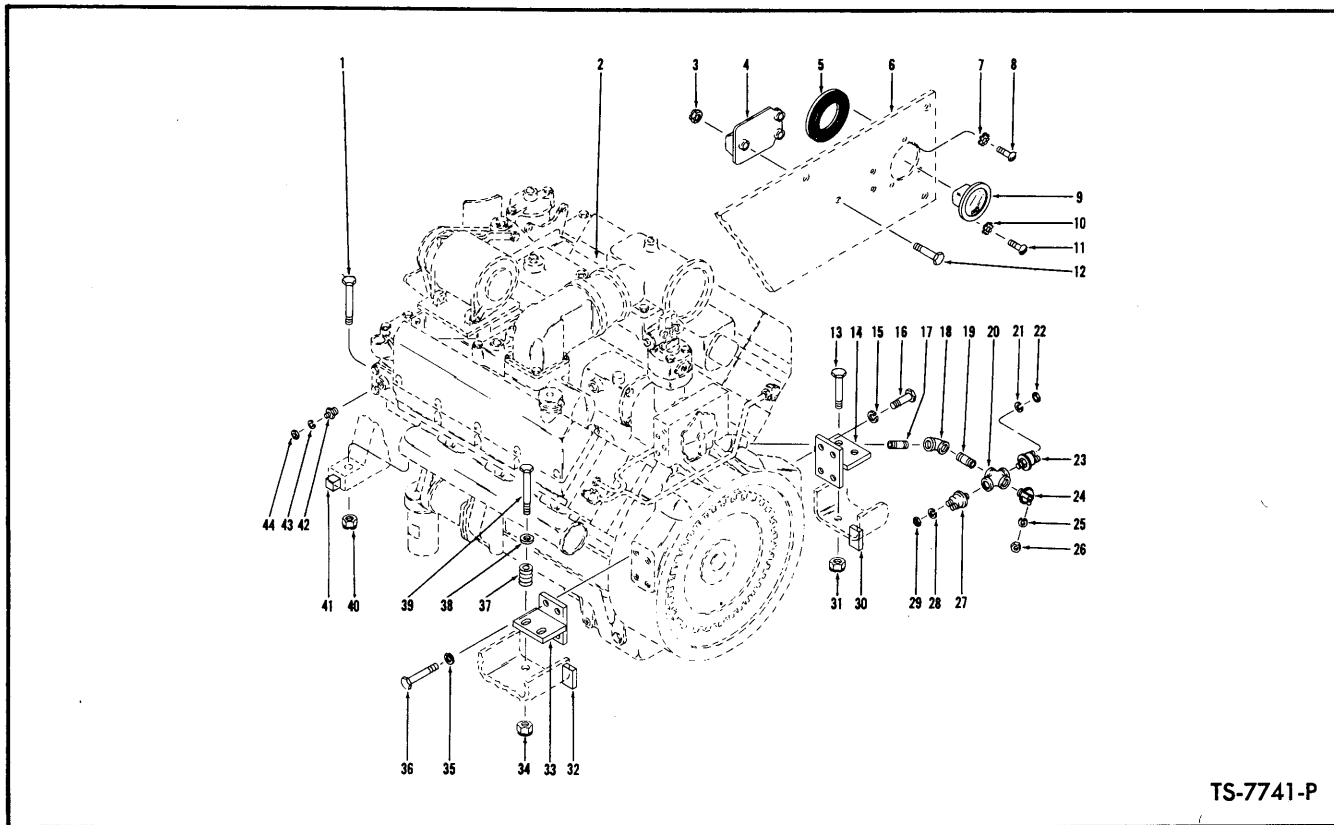
***NOTE: For replacement refer to Service Gram S.G.-326B.

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

ENGINE AND ACCESSORIES — CUMMINS

For Serial: 8AFC101 thru 9AFC999

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



TS-7741-P

ENGINE ACCESSORIES AND SUPPORT PARTS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-1048	BOLT, Engine Mount	2	23	572421	SWITCH, Pressure — Hourmeter	1
2	-----	ENGINE — See Cummins Engine Parts Manual	—	24		SENDER, Engine Oil Pressure	
3	18D-04	NUT, Voltage Regulator Mounting ...	3	24A	940643	**For Serial: 8AFC101 thru 8AFC999	1
4	556703	*REGULATOR, Voltage D.R. 9000591	1	24B	550832	**For Serial: 9AFC101 thru 9AFC999	1
5	551251	DAMPENER, Hourmeter Vibration ..	1	25	12E-10	LKWSHR, Sender Unit	1
6	-----	PLATE, Air Cleaner Mounting — See Index	1	26	14D-10	NUT, Sender Unit	1
7	12E-6	LKWSHR, Vibration Dampener Mtg.	3	27	572421	SWITCH, Pressure—Alternator	1
8	3G-608	SCREW, Vibration Dampener Mtg. ...	3	28	12E-10	LKWSHR, Pressure Switch	2
9	1743825	HOURMETER KIT (Inc. 10, 11)	1	29	14D-10	NUT, Pressure Switch	2
10	12E-6	LKWSHR, Hourmeter to Dampener	3	30	672241	BLOCK, Engine Stop	2
11	3G-608	SCREW, Hourmeter to Dampener	3	31	18D-12	NUT, Support to Frame	2
12	18C-420	BOLT, Voltage Regulator Mounting	3	32	672241	BLOCK, Engine Stop	2
13	18C-1240	BOLT, Support to Frame — L.H.	2	33	572357	SUPPORT, Engine—R.H.	1
14	572356	SUPPORT, Engine — L.H.	1	34	18D-12	NUT, Support to Frame	2
15	4E-10	LKWSHR, Support to Engine	4	35	4E-10	LKWSHR, Support to Engine	4
16	17C-1024	BOLT, Support to Engine	4	36	17C-1024	BOLT, Support to Engine	4
17	542646	NIPPLE, Elbow to Engine	1	37	570419	SPRING, Support to Frame—R.H.	2
18	23F-1	ELBOW, Cross to Nipple	1	38	616809	WASHER, Support to Frame—R.H. ...	2
19	542646	NIPPLE, Cross to Elbow	1	39	18C-1272	BOLT, Support to Frame—R.H.	2
20	21F-1	CROSS, Pressure Switch & Sender Unit	1	40	18D-10	NUT, Engine Mount	2
21	12E-10	LKWSHR, Pressure Switch	2	41	608241	BLOCK, Engine Stop	2
22	14D-10	NUT, Pressure Switch	2	42	551323	SENDER UNIT, Engine Temperature	1
				43	12E-10	LKWSHR, Sender Unit	1
				44	14D-10	NUT, Sender Unit	1

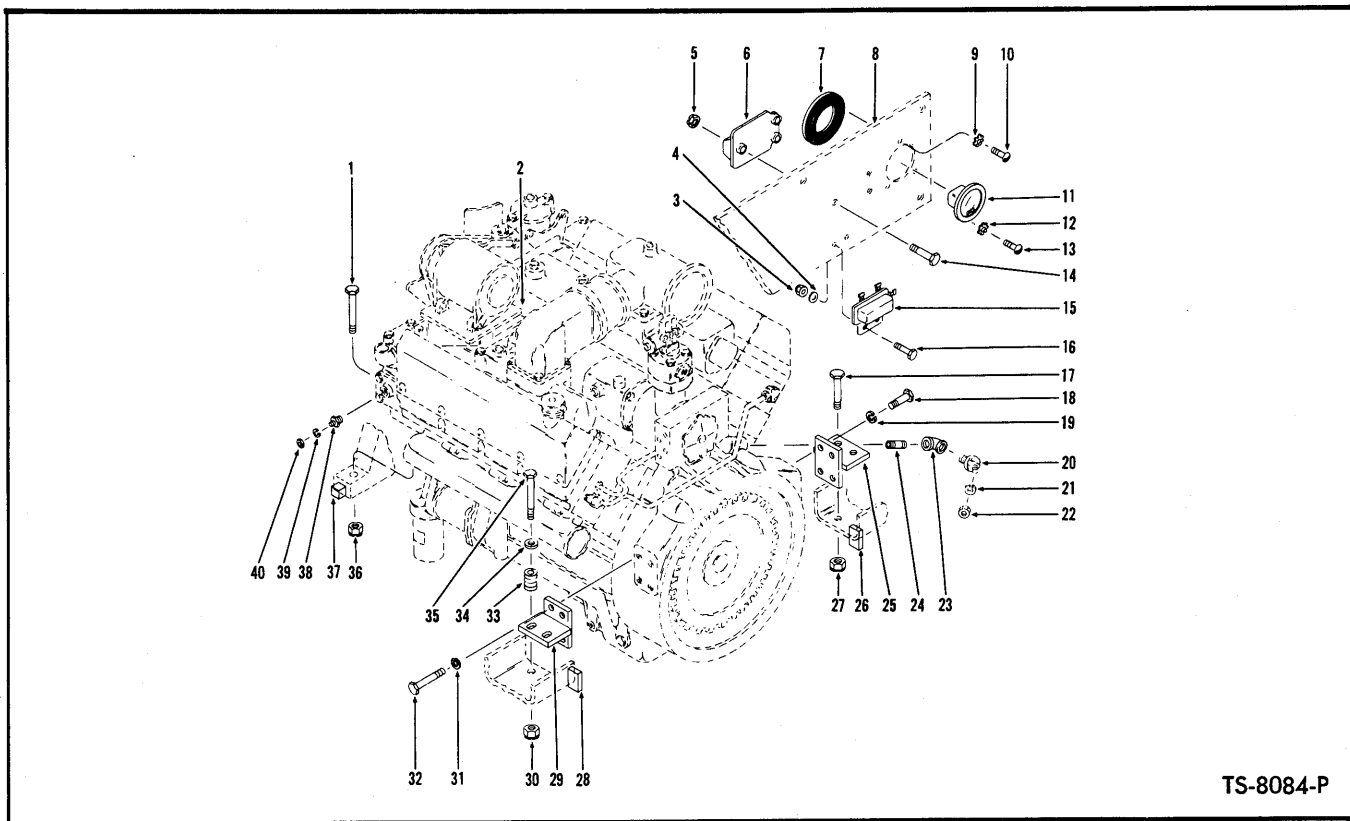
*NOTE: Your local United Motor Service or Delco-Remy Distributor is equipped to service components of these items.

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

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

ENGINE AND ACCESSORIES — CUMMINS
For Serial: Cummins — 10AFC101 thru 10AFC999

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



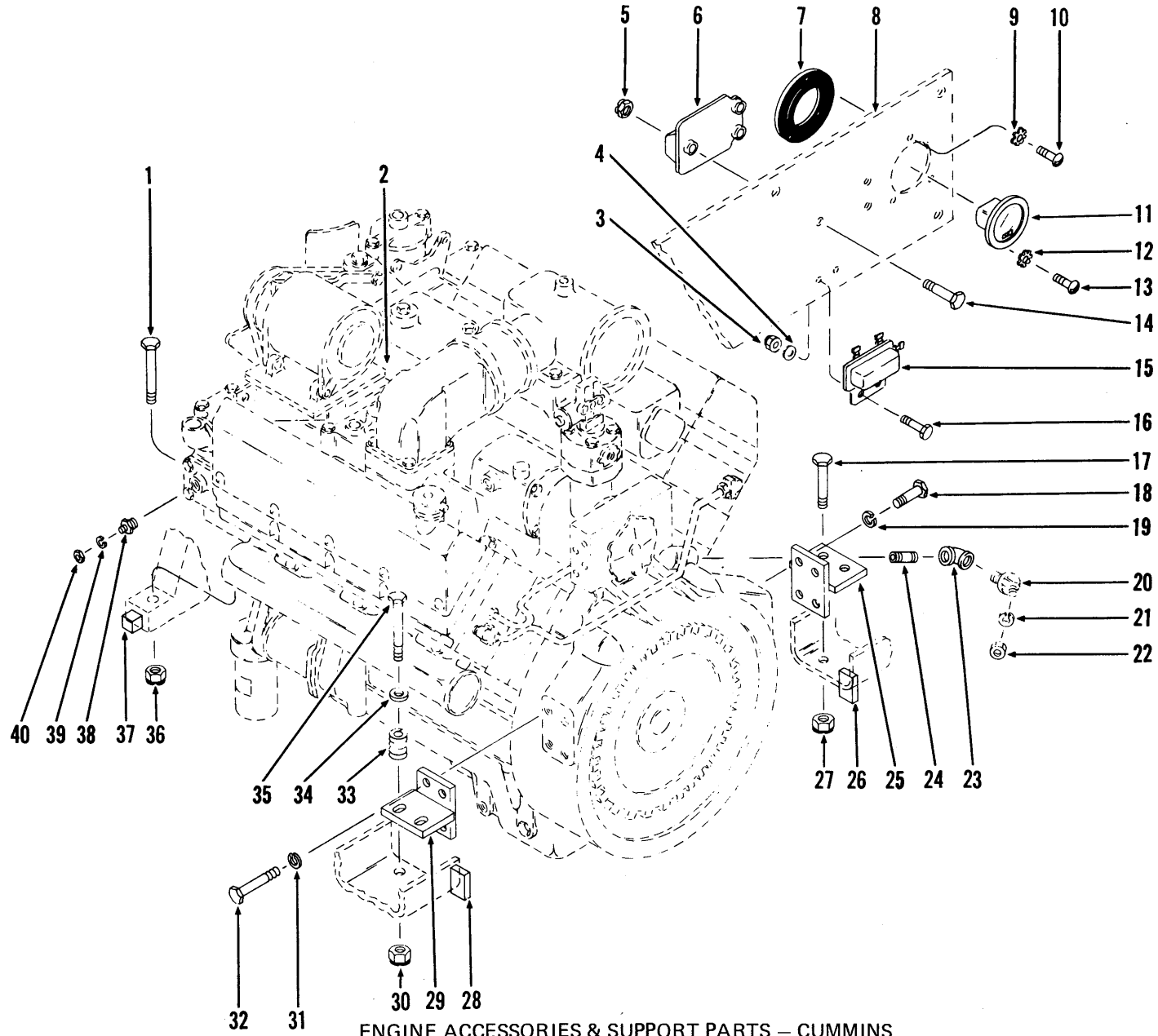
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ENGINE ACCESSORIES AND SUPPORT PARTS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-1048	BOLT, Engine Mount	2	20		<i>SENDER UNIT, Engine Oil Pressure</i>	-
2	-----	ENGINE — See Cummins Engine Parts Manual	—	20A	550832	**For Serial Group "A"	1
3	18D-04	NUT, Relay to Plate	2	20B	1618574	For Serial Group "B"	1
4	25E-13	WASHER, Relay to Plate	2	21	12E-10	LKWSHR, Sender Unit	1
5	18D-04	NUT, Regulator to Plate	3	22	14D-10	NUT, Sender Unit	1
6	556703	*REGULATOR, Voltage D.R. 9000591	1	23	23F-1	ELBOW, Sender Unit	1
7	551251	DAMPENER, Hourmeter Vibration	1	24	542646	NIPPLE, Elbow to Engine	1
8	-----	PLATE, Air Cleaner Mounting — See Index	—	25	572356	SUPPORT, Engine — L.H.	1
9	12E-6	LKWSHR, Dampener to Plate	3	26	672241	BLOCK, Engine Stop	2
10	3G-608	SCREW, Dampener to Plate	3	27	18D-12	NUT, Support to Frame	2
11	1743825	KIT, Hourmeter (Inc. 12, 13)	1	28	672241	BLOCK, Engine Stop	2
12	12E-6	LKWSHR, Hourmeter to Dampener ..	3	29	572357	SUPPORT, Engine — R.H.	1
13	3G-608	SCREW, Hourmeter to Dampener	3	30	18D-12	NUT, Support to Frame	2
14	18C-420	BOLT, Regulator to Plate	3	31	4E-10	LKWSHR, Support to Engine	4
15	1526006	RELAY, Hourmeter	1	32	17C-1024	BOLT, Support to Engine	4
16	18C-416	BOLT, Relay to Plate	2	33	570419	SPRING, Support to Frame — R.H. ..	2
17	18C-1240	BOLT, Support to Frame	2	34	616809	WASHER, Support to Frame — R.H. ..	2
18	17C-1024	BOLT, Support to Engine	4	35	18C-1272	BOLT, Support to Frame — R.H.	2
19	4E-10	LKWSHR, Support to Engine	4	36	18D-10	NUT, Engine Mount	2
				37	608241	BLOCK, Engine Stop	2
				38	551323	SENDER UNIT, Engine Temperature	1
				39	12E-10	LKWSHR, Sender Unit	1
				40	14D-10	NUT, Sender Unit	1

*NOTE: Your local United Motor Service or Delco-Remy Distributor is equipped to service components of these parts.
 Serial Group "A"—10AFC101 thru 10AFC210 **NOTE: For replacement refer to Service Gram S.G.-326B.
 Serial Group "B"—10AFC211 and after

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



ENGINE ACCESSORIES & SUPPORT PARTS – CUMMINS
For Serial: 11AFC101 & after

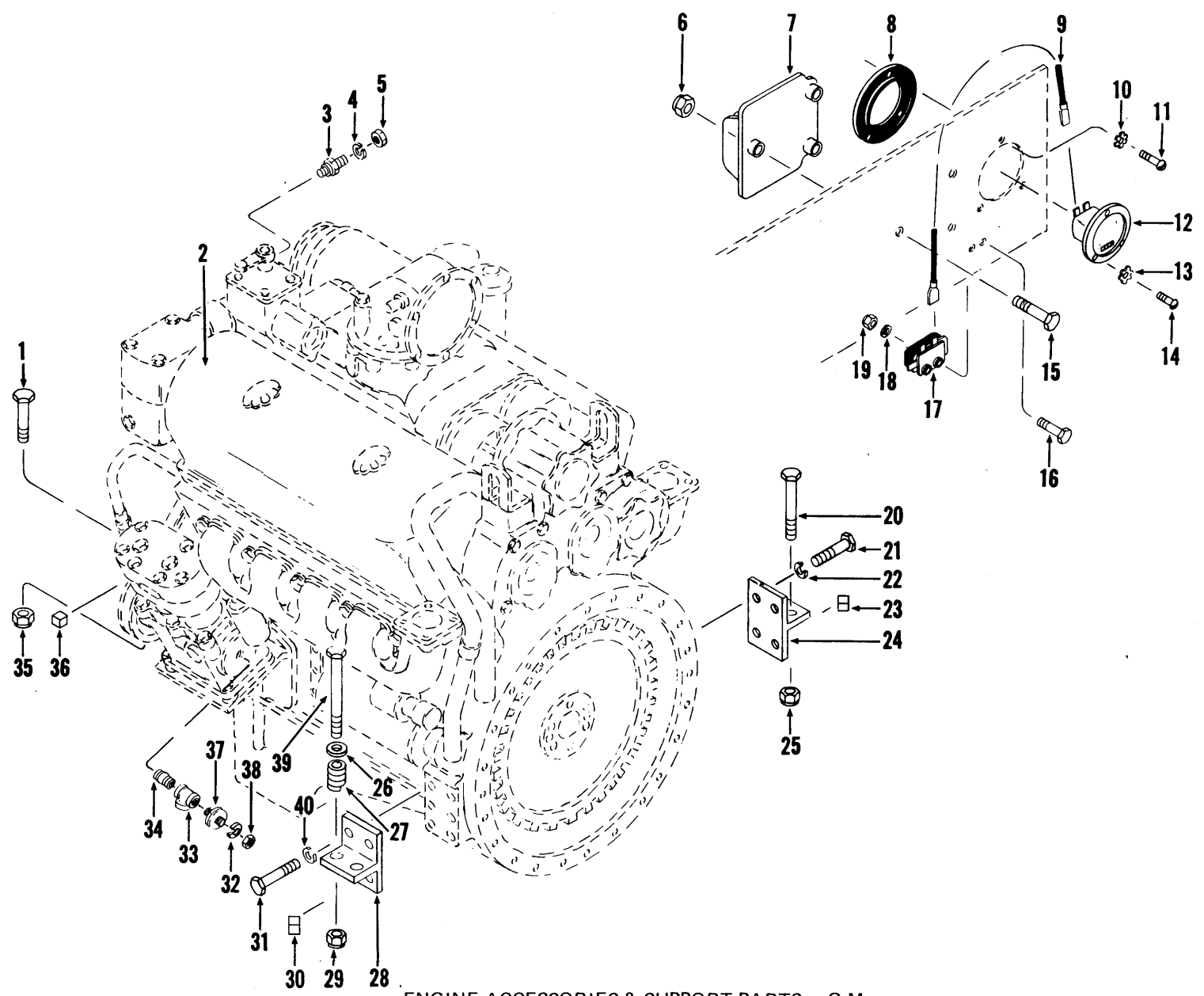
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**CONSTRUCTION MACHINERY DIVISION
ENGINE ACCESSORIES AND SUPPORT PARTS — CUMMINS
For Serial: — 11AFC101 and after**

Item No.	Part No.	Description	No. Req'd.
1	18C-1048	BOLT, Engine Mount	2
2	-----	ENGINE — See Cummins Engine Parts Manual	—
3	18D-04	NUT, Relay to Plate	2
4	25E-15	WASHER, Relay to Plate	2
5	18D-04	NUT, Regulator to Plate	3
6	556703	*REGULATOR, Voltage — D.R. #9000591	1
7	551251	DAMPENER, Hourmeter Vibration	1
8	-----	PLATE, Air Cleaner Mtg. — See Index	—
9	12E-6	LKWSHR, Dampener to Plate	3
10	85G-608	SCREW, Dampener to Plate	3
11	1743825	KIT, Hourmeter (Inc. 12, 13)	1
12	12E-6	LKWSHR, Hourmeter to Dampener	3
13	85G-608	SCREW, Hourmeter to Dampener	3
14	18C-420	BOLT, Regulator to Plate	3
15	1526006	RELAY, Hourmeter	1
16	18C-416	BOLT, Relay to Plate	2
17	18C-1240	BOLT, Support to Frame	2
18	17C-1024	BOLT, Support to Engine	4
19	4E-10	LKWSHR, Support to Engine	4
20	1618574	SENDER UNIT, Engine Oil Pressure	1
21	12E-10	LKWSHR, Sender Unit	1
22	14D-10	NUT, Sender Unit	1
23	23F-1	ELBOW, Sender Unit	1
24	542646	NIPPLE, Elbow to Engine	1
25	572356	SUPPORT, Engine — L.H.	1
26	608241	BLOCK, Engine Stop	1
27	18D-12	NUT, Support to Frame	2
28	608241	BLOCK, Engine Stop	1
29	572357	SUPPORT, Engine — R.H.	1
30	18D-12	NUT, Support to Frame	2
31	4E-10	LKWSHR, Support to Engine	4
32	17C-1024	BOLT, Support to Engine	4
33	570419	SPRING, Support to Frame — R.H.	2
34	616809	WASHER, Support to Frame — R.H.	2
35	18C-1272	BOLT, Support to Frame — R.H.	2
36	18D-10	NUT, Engine Mount	2
37	608241	BLOCK, Engine Stop	2
38	551323	SENDER UNIT, Engine Temperature	1
39	12E-10	LKWSHR, Sender Unit	1
40	14D-10	NUT, Sender Unit	1

*NOTE: Your local United Motor Service or Delco-Remy Distributor is equipped to service components of these parts.

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



ENGINE ACCESSORIES & SUPPORT PARTS - G.M.
For Serial: 11AFG101 & After

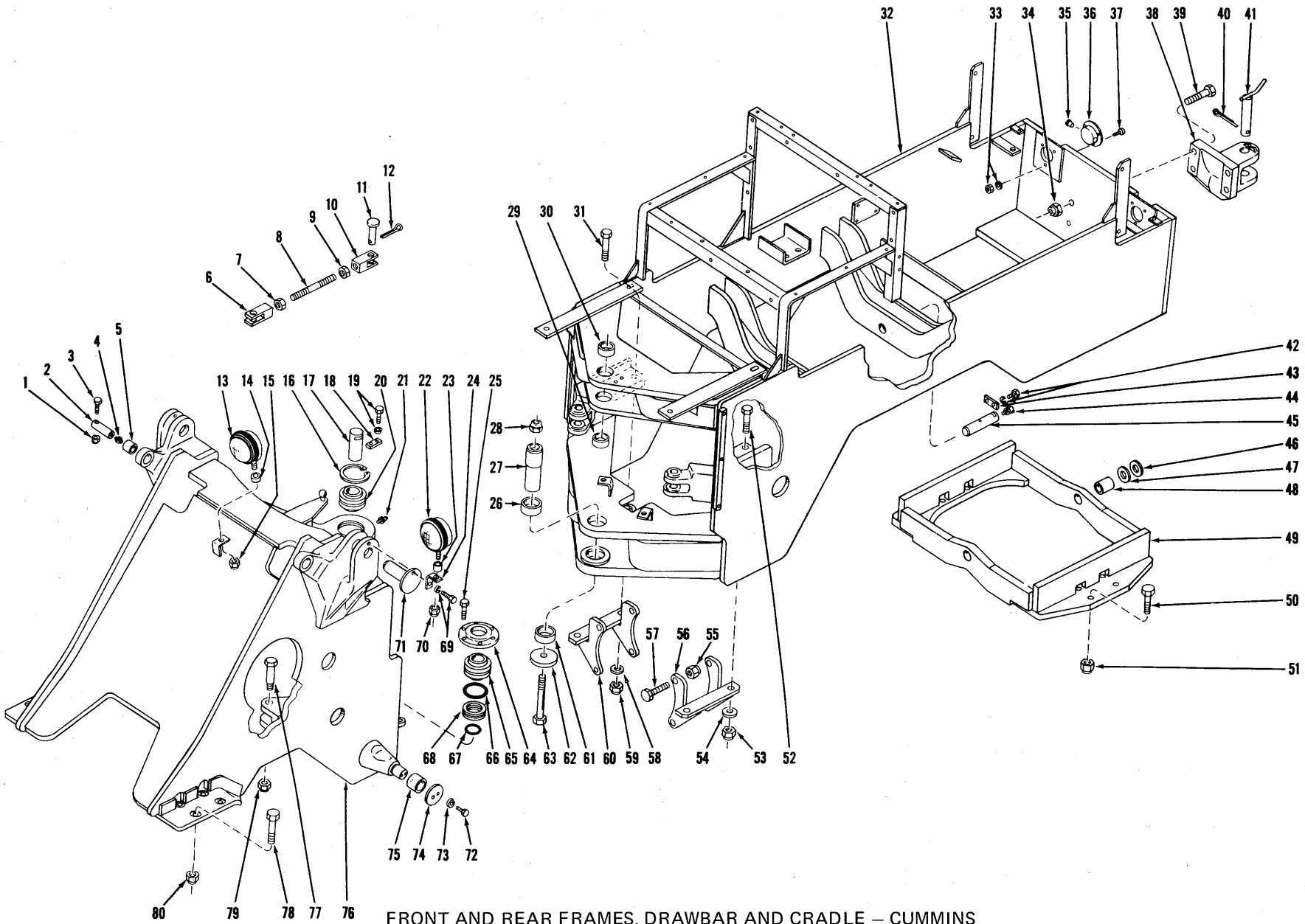
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**CONSTRUCTION MACHINERY DIVISION
ENGINE ACCESSORIES AND SUPPORT PARTS — G.M.
For Serial: — 11AFG101 and after**

Item No.	Part No.	Description	No. Req'd.
1	18C-1036	BOLT, Engine Mount	2
2	-----	ENGINE, See G.M. Engine Parts Manual	—
3	551323	SENDER UNIT, Engine Temperature	1
4	12E-10	LKWSHR, Sender Unit	1
5	14D-10	NUT, Sender Unit	1
6	18D-04	NUT, Regulator to Plate	3
7	556703	*REGULATOR, Voltage D.R. #9000591	1
8	551251	DAMPENER, Hourmeter Vibration	1
9	558960	WIRE, Relay to Hourmeter	1
10	12E-6	LKWSHR, Dampener to Plate	3
11	85G-608	SCREW, Dampener to Plate	3
12	1743825	KIT, Hourmeter (Inc. 13, 14)	1
13	12E-6	LKWSHR, Hourmeter to Dampener	3
14	85G-608	SCREW, Hourmeter to Dampener	3
15	18C-420	BOLT, Regulator to Plate	3
16	18C-416	BOLT, Relay to Plate	2
17	1526006	RELAY, Hourmeter	1
18	25E-13	WASHER, Relay to Plate	2
19	18D-04	NUT, Relay to Plate	2
20	18C-1240	BOLT, Support to Frame	2
21	17C-1024	BOLT, Support to Engine	4
22	4E-10	LKWSHR, Support to Engine	4
23	608241	BLOCK, Engine Stop	1
24	1530330	SUPPORT, Engine — L.H.	1
25	18D-12	NUT, Support to Frame	2
26	616809	WASHER, Support to Frame — R.H.	2
27	570419	SPRING, Support to Frame — R.H.	2
28	1530329	SUPPORT, Engine — R.H.	1
29	18D-12	NUT, Support to Frame	2
30	608241	BLOCK, Engine Stop	1
31	17C-1024	BOLT, Support to Engine	4
32	12E-10	LKWSHR, Sender Unit	1
33	18F-1	TEE, Sender Unit	1
34	542646	NIPPLE, Tee Mounting	1
35	18D-10	NUT, Engine Mount	2
36	608241	BLOCK, Engine Stop	2
37	1618574	SENDER UNIT, Engine Oil Pressure	1
38	14D-10	NUT, Sender Unit	1
39	18C-1272	BOLT, Support to Frame — R.H.	2
40	4E-10	LKWSHR, Support to Engine	4

*NOTE: Your local United Motor Service or Delco-Remy Distributor is equipped to service components of these parts.

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



FRONT AND REAR FRAMES, DRAWBAR AND CRADLE – CUMMINS
For Serial: 7AFC101 thru 7AFC999

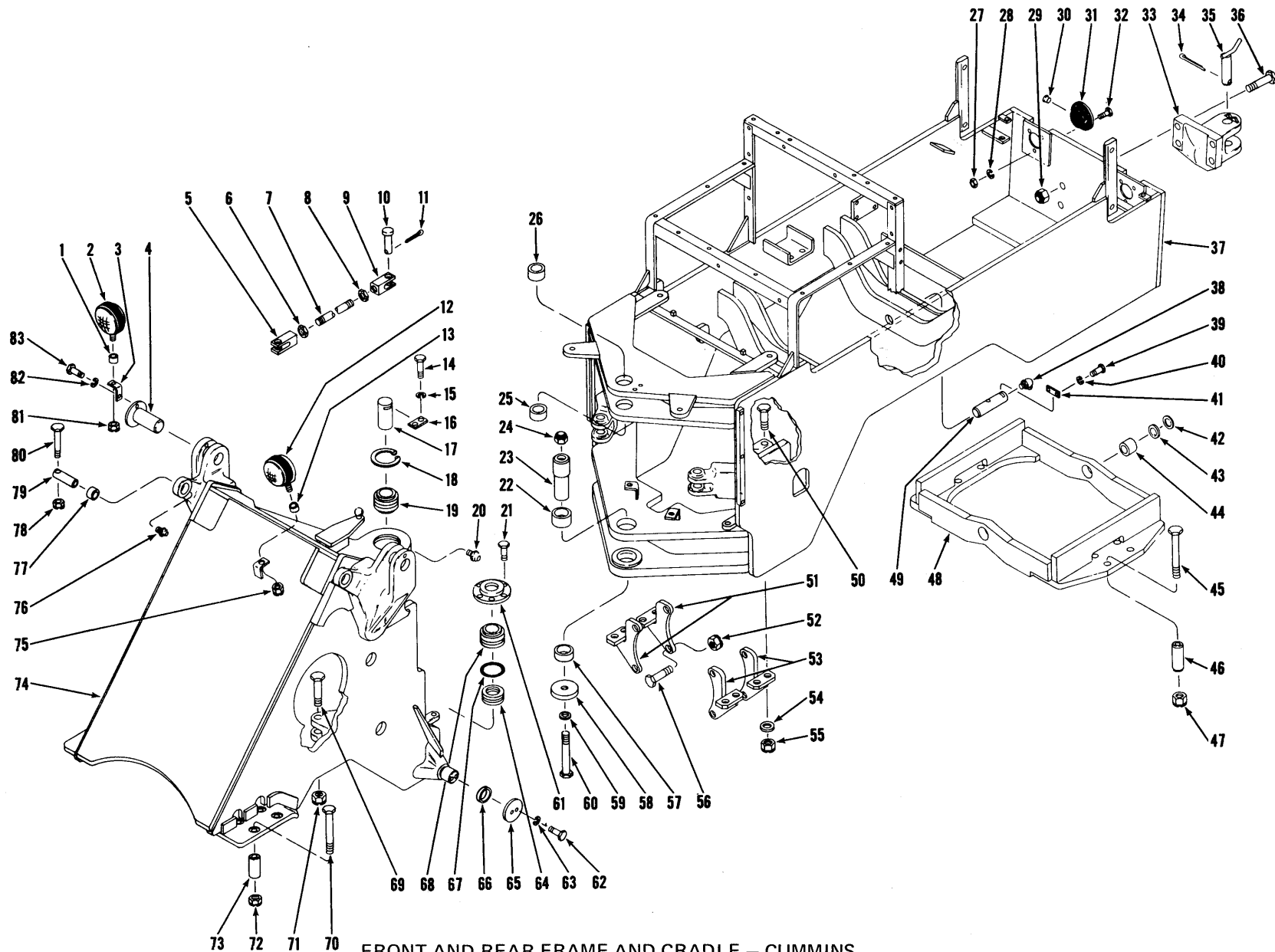
TS-5324-P

FRONT AND REAR FRAMES AND CRADLE — CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Pin Attaching	2	40	1F-1252	COTTER, Drawbar Pin	1
2	568649	PIN, Bucket Cylinder to Upper Pivot....	2	41	1506818	PIN, Drawbar	1
3	18C-880	BOLT, Pin Attaching	2	42	18C-820	BOLT, Lock Plate to Frame	4
4	10H-25	FITTING, Grease	2	42A	4E-08	LKWSHR, Lock Plate to Frame	4
5	568648	BUSHING, Bucket Cylinder Anchor Pin	2	43	1506190	LOCK PLATE, Cradle Pin	2
6	572694	CLEVIS, Rod End	2	44	12H-15	FITTING, Cradle Grease	2
7	8D-16	NUT, Clevis Jam	2	45	568258	PIN, Cradle	2
8	572695	ROD, Safety Link (Inc. 6, 7, 9, 10)	2	46	552146	‡WASHER, Cradle — 1/16"	—
9	8D-16	NUT, Clevis Jam	2	47	552147	‡WASHER, Cradle — 1/8"	—
10	572694	CLEVIS, Rod End	2	48	538605	BUSHING, Cradle	2
11	358640	PIN, Clevis	4	49	568131	CRADLE ASSY, Axle (Inc. 48)	1
12	1F-528	COTTER, Clevis Pin	4	50	24C-16156	BOLT, Axle to Cradle	8
13	548088	LAMP ASSY, Head (Inc. 13A, 13B)	1	51	68D-16	NUT, Axle to Cradle	8
13A	944872	†RETAINER & FRAME ASSY	1	52	24C-1264	BOLT, Transmission Bracket Frame ...	2
13B	551244	†SEALED UNIT, Head Lamp	1	53	68D-12	NUT, Transmission Bracket Frame	2
14	652448	SPACER, Head Lamp	1	54	712285	WASHER, Transmission Bracket Frame	2
15	18D-08	NUT, Head Lamp to Frame	1	55	18D-14	NUT, Transmission to Bracket	8
16	660517	RING, Upper Bushing Retaining	1	56	568090	BRACKET, Transmission Mounting — L. H.	1
17	568949**	*PIN, Upper Hinge	1	57	24C-1452	BOLT, Transmission to Bracket	8
18	1532917	LOCK PLATE, Upper Hinge Pin	1	58	712285	WASHER, Transmission Bracket to Frame	2
19	17C-820	BOLT, Lock Plate to Frame	2	59	68D-12	NUT, Transmission Bracket to Frame...	2
19A	4E-08	LKWSHR, Lock Plate to Frame	2	60	568089	BRACKET, Transmission Mounting — R. H.	1
20	1301478	*BUSHING, Upper Hinge Pin	1	61	572817	BUSHING, Lower Pivot Assy	1
21	10H-25	FITTING, Hinge Pin Bushing Grease ...	2	62	1506853	PLATE, Bushing Retaining	1
22	548088	LAMP ASSY, Head (Inc. 22A, 22B)	2	63	24C-16152	BOLT, Lower Hinge Pin — See Note A	1
22A	944872	†RETAINER & FRAME ASSY	2	64	568952	CAP, Lower Hinge Pin	1
22B	551244	†SEALED UNIT, Head Lamp	2	65	568953	BUSHING, Lower Hinge Pin	1
23	652448	SPACER, Head Lamp	2	66	25K-40416	"O" RING, Spacer	1
24	569233	BRACKET, Head Lamp Mounting	2	67	25K-40316	"O" RING, Spacer	1
25	17C-1236	BOLT, Retaining Plate	6	68	568954	SPACER, Lower Hinge — See Note "B"	1
26	1544289	BUSHING, Lower Pivot Assy	1	69	17C-1232	BOLT, Retainer to Frame	2
27	568955	**PIN, Lower Hinge	1	69A	4E-12	LKWSHR, Retainer to Frame	2
28	18D-16	NUT, Lower Hinge Pin	1	70	18D-08	NUT, Head Lamp to Bracket	2
29	572818	BUSHING, Upper Pivot Assy	1	71	568002	PIN, Boom to Frame	2
30	572818	BUSHING, Upper Pivot Assy	1	72	17C-820	BOLT, Boom Cylinder Retainer	4
31	24C-1264	BOLT, Transmission Bracket to Frame ..	2	73	4E-08	LKWSHR, Boom Cylinder Retainer	4
32	573111	FRAME ASSY, Rear (Inc. 26, 29, 30, 61)	1	74	567841	PLATE, Boom Cylinder Retainer	2
33	14D-10	NUT, Stop & Tail Lamp to Frame	6	75	567840	BUSHING, Boom Cylinder Pivot	2
33A	17E-10	LKWSHR, Stop & Tail Lamp to Frame ...	6	76	568559	FRAME ASSY, Front (Inc. 5, 75)	1
34	60D20	NUT, Drawbar Hitch to Frame	4	77	1511649	PIN, Steering Cylinder	2
35	1010736	PLUG, Stop & Tail Lamp	1	78	24C-16156	BOLT, Axle to Frame	8
36	2520770	LAMP, Stop & Tail	2	79	66D-22	NUT, Steering Cylinder Pin	2
36A	945734	†BULB, Stop & Tail Lamp	2	80	68D-16	NUT, Axle to Frame	8
37	2G-1012	SCREW, Stop & Tail Lamp to Frame ...	6				
38	549217	HITCH, Drawbar	1				
39	24C-2088	BOLT, Drawbar Hitch to Frame	4				

†Not Illustrated ‡As Required
 *NOTE: For replacement use 1526213 Bushing plus 1—1526211 Pin & 1—11H-15 Fitting.
 **NOTE: For replacement use 1522427 Pin plus 1—1522429 Retaining Plate, 1—1522428 Bolt, 1—18C-20160 Bolt & 1—60D20 Nut.
 ***NOTE: For replacement use 1526211 Pin plus 1—1526213 Bushing & 1—11H-15 Fitting.
 NOTE "A": For replacement use 18C-16168 Bolt, 1-589596 Washer & 1-68D-16 Nut.
 NOTE "B": For replacement use 1-1510348 Spacer plus 1—1530842 Wiper.

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



FRONT AND REAR FRAME AND CRADLE - CUMMINS
For Serial: 8AFC101 thru 9AFC999

TS-7890-P

FRONT AND REAR FRAME AND CRADLE — CUMMINS

For Serial: 8AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	652448	SPACER, Head Lamp	2	43	552147	‡SHIM, Cradle Mounting — 1/8"	—
2	548088	LAMP ASSY, Head (Inc. 2A, 2B)	2	44	538605	BUSHING, Cradle	2
2A	944872	†RETAINER & FRAME ASSY	2	45	18C-16160	BOLT, Axle to Cradle	8
2B	551244	†SEALED UNIT, Head Lamp	2	46	574031	SPACER, Axle to Cradle	8
3	569233	BRACKET, Head Lamp Mounting	2	47	68D-16	NUT, Axle to Cradle	8
4	568002	PIN, Boom to Frame	2	48	573883	CRADLE ASSY, Rear Axle (Inc. 44)	1
5	572694	CLEVIS, Rod End	2	49	568258	PIN, Cradle Pivot	2
6	8D-16	NUT, Clevis Jam	2	50	18C-1264	BOLT, Transmission Bracket to Frame	4
7	572695	ROD ASSY, Safety Link (Inc. 5, 6, 8, 9)	2	51	572995	BRACKET, Trans. Mounting — R.H.	2
8	8D-16	NUT, Clevis Jam	2	52	18D-14	NUT, Trans. Mounting Bracket	8
9	572694	CLEVIS, Rod End	2	53	572996	BRACKET, Trans. Mounting — L.H.	2
10	358640	PIN, Clevis	4	54	712285	WASHER, Trans. Bracket to Frame	4
11	1F-540	COTTER, Clevis Pin	4	55	68D-12	NUT, Transmission Bracket to Frame	4
12	548088	LAMP ASSY, Head (Inc. 12A, 12B)	1	56	18C-1452	BOLT, Trans. to Mounting Bracket	8
12A	944872	†RETAINER & FRAME ASSY	1	57	572817	BUSHING, Lower Pivot	1
12B	551244	†SEALED UNIT, Head Lamp	1	58		PLATE, Bushing Retaining	
13	652448	SPACER, Head Lamp	1	58A	1506853	For Serial Group A	1
14	18C-820	BOLT, Lock Plate to Frame	2	58B	1522429	For Serial Group B	1
15	4E-08	LKWSHR, Lock Plate to Frame	2	59		WASHER, Lower Hinge Pin	
16	1532917	PLATE, Pin Retaining Lock	1	59A	589596	For Serial Group A	1
17	***	PIN, Upper Hinge	1	59B	1522428	For Serial Group B	1
18	660517	RING, Upper Bushing Retaining	1	60		BOLT, Lower Hinge Pin	
19	1301478	*BUSHING, Upper Hinge Pin	1	60A	18C-16168	For Serial Group A	1
20	10H-25	FITTING, Hinge Pin Bushing Grease	2	60B	18C-20160	For Serial Group B	1
21	17C-1236	BOLT, Retaining Plate	6	61	568952	CAP, Lower Hinge Pin	1
22	1544289	BUSHING, Lower Pivot	1	62	17C-820	BOLT, Boom Cylinder Retaining Plate	4
23	1522427	**PIN, Lower Hinge	1	63	4E-08	LKWSHR, Boom Cyl. Retaining Plate	4
24	60D20	NUT, Lower Hinge Pin	1	64	568954	SPACER, Lower Hinge Pin - See Note "B"	1
25	572818	BUSHING, Upper Pivot	1	65	567841	PLATE, Boom Cylinder Retaining	2
26	572818	BUSHING, Upper Pivot	1	66		SPACER, Bushing	
27	14D-10	NUT, Lamp to Frame	6	66A	567840	For Serial Group A	2
28	17E-10	LKWSHR, Lamp to Frame	6	66B	1522910	For Serial Group B	2
29	60D20	NUT, Hitch to Frame	4	67	25K-40416	"O" RING, Spacer	1
30	1010736	PLUG, Stop & Tail Lamp	1	68	568953	BUSHING, Lower Hinge Pin	1
31	2520770	LAMP, Stop & Tail (Inc. 31A)	2	69	1511649	BOLT, Steering Cylinder to Frame	4
31A	1010449	†LENS, Stop & Tail Lamp	2	70	18C-16152	BOLT, Front Axle to Frame	8
31B	1620699	†BULB, Stop & Tail Lamp	2	71	66D-22	NUT, Steering Cylinder to Frame	4
32	2G-1012	SCREW, Lamp to Frame	6	72	68D-16	NUT, Front Axle to Frame	8
33	549217	HITCH, Drawbar	1	73	574031	SPACER, Front Axle to Frame	8
34	1F-1252	COTTER, Drawbar Pin	1	74	573440	FRAME, Front (Inc. 66, 77)	
35	1506818	PIN, Drawbar	1			See Note A	1
36	18C-2088	BOLT, Hitch to Frame	4	75	18D-08	NUT, Headlamp to Bracket	1
37	1526557	FRAME ASSY, Rear (Inc. 22, 25, 26, 57)	1	75A	15E-10	†LKWSHR, Headlamp to Bracket	1
38	12H-15	FITTING, Cradle Grease	2	76	10H-25	FITTING, Upper Pivot Pin Grease	2
39	18C-820	BOLT, Lock Plate to Cradle	4	77	568648	BUSHING, Bucket Cylinder Anchor Pin	2
40	4E-08	LKWSHR, Lock Plate to Cradle	4	78	18D-08	NUT, Pin Retaining	2
41	1506190	LOCK PLATE, Pin Retaining	2	79	568649	PIN, Bucket Cylinder to Upper Pivot	2
42	552146	‡SHIM, Cradle Mounting — 1/16"	—	80	18C-880	BOLT, Pin Retaining	2

*NOTE: For replacement use 1526213 Bushing plus 1—1526211 Pin & 1—11H-15 Grease Fitting.

**NOTE: When replacing item 23 on 8AFC101 thru 8AFC999 items 58B, 59B, 60B & 24 must also be used.

***NOTE: For replacement use 1526211 Pin plus 1—1526213 & 1—11H-15 Fitting.

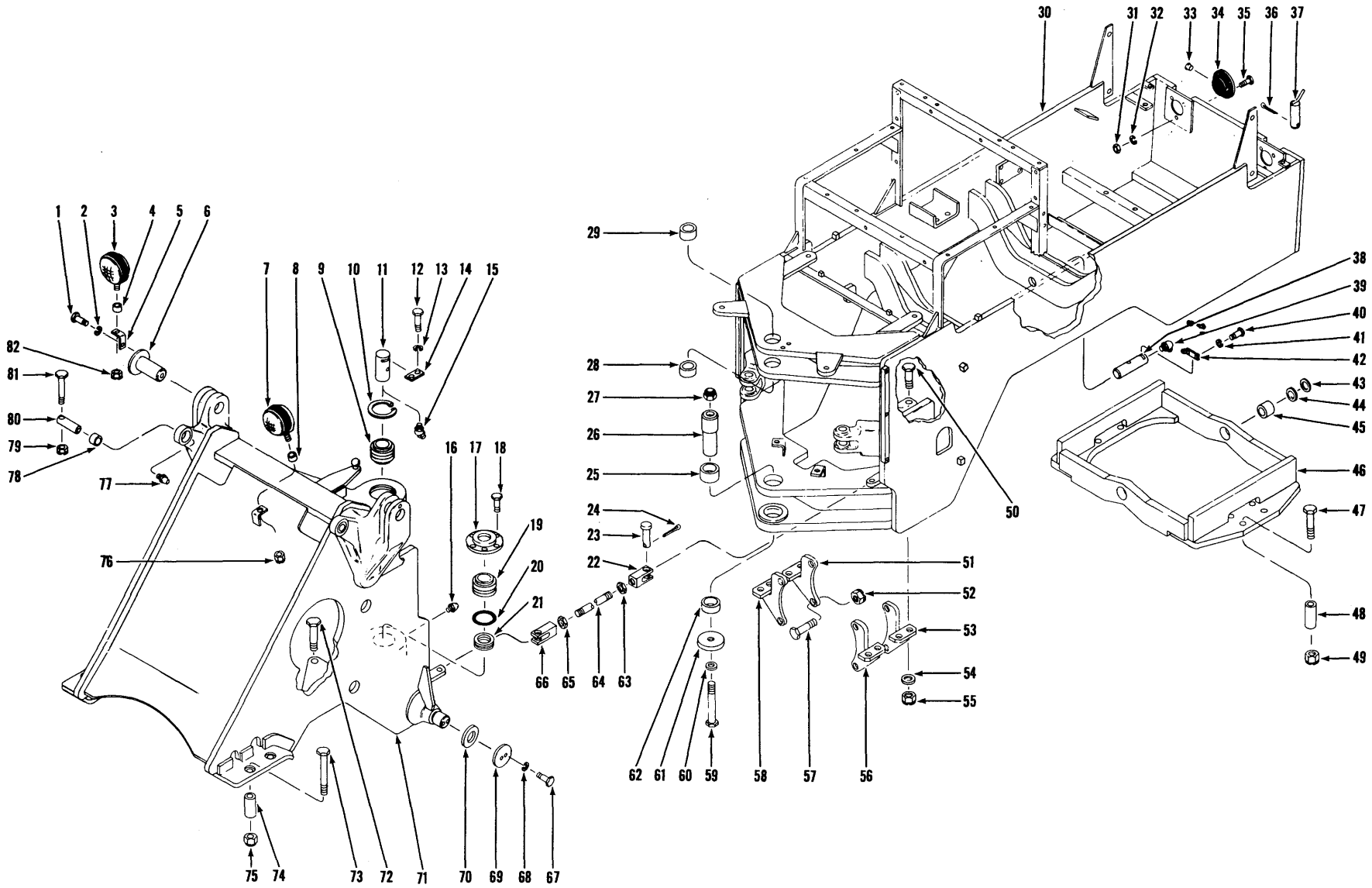
NOTE "A": For replacement use 1526209 plus 1—1526211 Pin, 1—1526213 Bushing, 1—660517 Pin & 1—11H-15 Grease Fitting.

Serial Group A: 8AFC101 thru 8AFC999

Serial Group B: 9AFC101 thru 8AFC999

NOTE "B": For replacement use 1—1510348 Spacer plus 1—1530842 Wiper.

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



FRONT AND REAR FRAME AND CRADLE – Cummins
For Serial: 10AFC101 thru 10AFC999

TS-8079-P

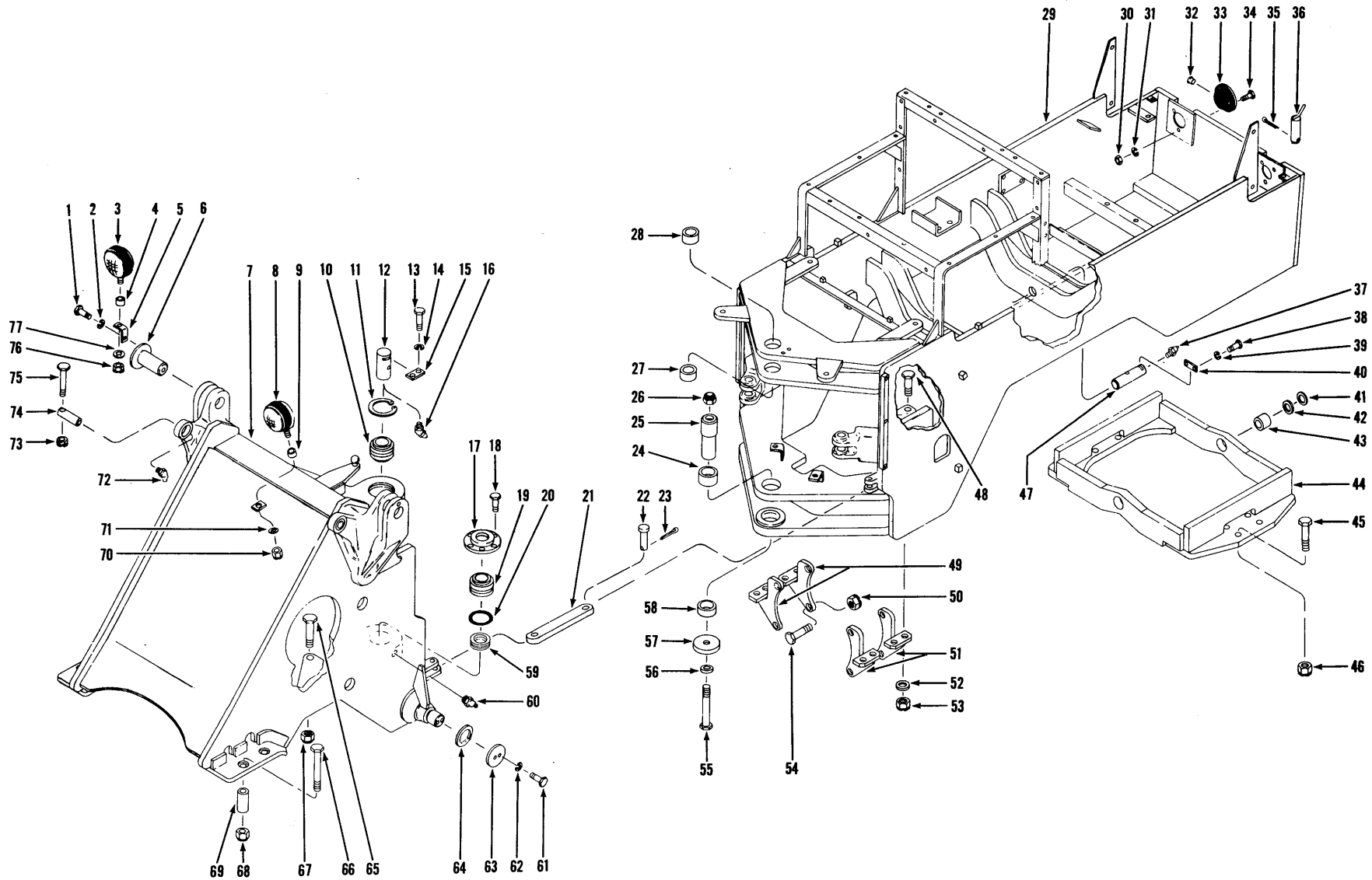
**CONSTRUCTION MACHINERY DIVISION
FRONT AND REAR FRAME AND CRADLE — CUMMINS
For Serial: 10AFC101 thru 10AFC999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	17C-1232	BOLT, Pin to Frame	2	41	4E-08	LKWSHR, Lock Plate to Cradle	4
2	4E-12	LKWSHR, Pin to Frame	2	42	1506190	LOCK PLATE, Pin Retaining	2
3	548088	LAMP ASSY, Head (Inc. 3A, 3B)	2	43	552146	‡SHIM, Cradle Mounting — 1/16"	—
3A	944872	†RETAINER & FRAME ASSY	2	44	552147	‡SHIM, Cradle Mounting — 1/8"	—
3B	551244	†SEALED UNIT, Head Lamp	2	45	538605	BUSHING, Cradle	2
3C	15E-10	†LKWSHR, Wire to Head Lamp	2	46	573883	CRADLE ASSY, Rear Axle (Inc. 45)	1
4	652448	SPACER, Head Lamp	2	47	18C-16160	BOLT, Axle to Cradle	8
5	569233	BRACKET, Head Lamp Mounting	2	48	574031	SPACER, Axle to Cradle	8
6	568002	PIN, Boom to Frame	2	49	68D-16	NUT, Axle to Cradle	8
7	548088	LAMP ASSY, Head (Inc. 7A, 7B)	1	50	18C-1264	BOLT, Transmission Bracket to Frame	4
7A	944872	†RETAINER & FRAME ASSY	1	51	572995	BRACKET, Trans. Mounting — R.H.	1
7B	551244	†SEALED UNIT, Head Lamp	1	52	18D-14	NUT, Trans. to Mounting Bracket	8
7C	15E-10	†LKWSHR, Wire to Head Lamp	1	53	572996	BRACKET, Trans. Mounting — L.H.	1
8	652448	SPACER, Head Lamp	1	54	712285	WASHER, Trans. Bracket to Frame	4
9	1526213	BUSHING, Upper Hinge Pin	1	55	68D-12	NUT, Transmission Bracket to Frame ..	4
10	660517	RING, Upper Bushing Retaining	1	56	572996	BRACKET, Trans. Mounting — L.H.	1
11	1526211	PIN, Upper Hinge	1	57	18C-1452	BOLT, Trans. to Mounting Bracket	8
11A	26F-1	†ELBOW, Grease Fitting to Hinge Pin ..	1	58	572995	BRACKET, Trans. Mounting — R.H.	1
12	18C-820	BOLT, Lock Plate to Frame	2	59	18C-20160	BOLT, Lower Hinge Pin	1
13	4E-08	LKWSHR, Lock Plate to Frame	2	60	1522428	WASHER, Lower Hinge Pin	1
14	1532917	PLATE, Pin Retaining Lock	1	61	1522429	PLATE, Bushing Retaining	1
15	11H-15	FITTING, Upper Hinge Pin Grease	1	62	572817	BUSHING, Lower Pivot	1
16	10H-25	FITTING, Lower Hinge Pin Grease	1	63	8D-16	NUT, Clevis Jam	2
17	568952	CAP, Lower Hinge Pin	1	64	572695	ROD ASSY, Safety Link (Inc. 22, 63, 65, 66)	2
18	17C-1236	BOLT, Cap Retaining	6	65	8D-16	NUT, Clevis Jam	2
19	568953	BUSHING, Lower Hinge Pin	1	66	572694	CLEVIS, Rod End	2
20	25K-40416	"O" RING, Spacer	1	67	17C-820	BOLT, Boom Cylinder Retaining Plate ..	4
21	568954	**SPACER, Lower Hinge Pin	1	68	4E-08	LKWSHR, Boom Cylinder Retaining Plate	4
22	572694	CLEVIS, Rod End	2	69	567841	PLATE, Boom Cylinder Retaining	2
23	358640	PIN, Rod Clevis	4	70	1522910	SPACER, Boom Cylinder Pivot	2
24	1F-540	COTTER, Clevis Pin	4	71		FRAME ASSY, Front (Inc. 70, 78)	
25	1544289	BUSHING, Lower Pivot	1	71A	573440	*For Serial — 10AFC101 thru 10AFC130	1
26	1522427	PIN, Lower Hinge	1	71B	1526209	*For Serial — 10AFC131 thru 10AFC999	1
27	60D20	NUT, Lower Hinge Pin	1	72	1511649	PIN, Steering Cylinder to Frame	4
28	572818	BUSHING, Upper Pivot	1	72A	66D-22	†NUT, Steering Cylinder to Frame	4
29	572818	BUSHING, Upper Pivot	1	73	18C-16152	BOLT, Front Axle to Frame	8
30	1502925	FRAME ASSY, Rear (Inc. 25, 28, 29, 62).....	1	74	574031	SPACER, Front Axle to Frame	8
31	14D-10	NUT, Lamp to Frame.....	6	75	68D-16	NUT, Front Axle to Frame	8
32	17E-10	LKWSHR, Lamp to Frame	6	76	18D-08	NUT, Head Lamp to Bracket	1
33	1010736	PLUG, Stop & Tail Lamp	1	77	10H-25	FITTING, Upper Pivot Pin Grease	2
34	560967	LAMP, Stop & Tail (Inc. 34A, 34B)	2	78	568648	BUSHING, Bucket Cylinder Anchor Pin ..	2
34A	1010449	†LENS, Stop & Tail Lamp	2	79	18D-08	NUT, Pin Retaining	2
34B	946064	†BULB, Stop & Tail Lamp	2	80	568649	PIN, Bucket Cylinder to Upper Pivot ..	2
35	2G-1012	SCREW, Lamp to Frame	6	81	18C-880	BOLT, Pin Retaining	2
36	1F-1252	COTTER, Drawbar Pin	1	82	18D-08	NUT, Head Lamp to Bracket	2
37	1506818	PIN, Drawbar	1				
38	568258	PIN, Cradle Pivot	2				
39	12H-15	FITTING, Cradle Grease	1				
39A	11H-15	FITTING, Cradle Grease	1				
40	18C-820	BOLT, Lock Plate to Cradle	4				

†Not Illustrated
‡As Required

*NOTE: For complete Front Frame Assembly use 1502926
**NOTE: For replacement use 1—1510348 Spacer plus 1—1530842 Wiper.

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



FRONT AND REAR FRAME AND CRADLE
For Serial: Cummins – 11AFC101 & after. G.M. – 11AFG101 & after

TS-8795-P

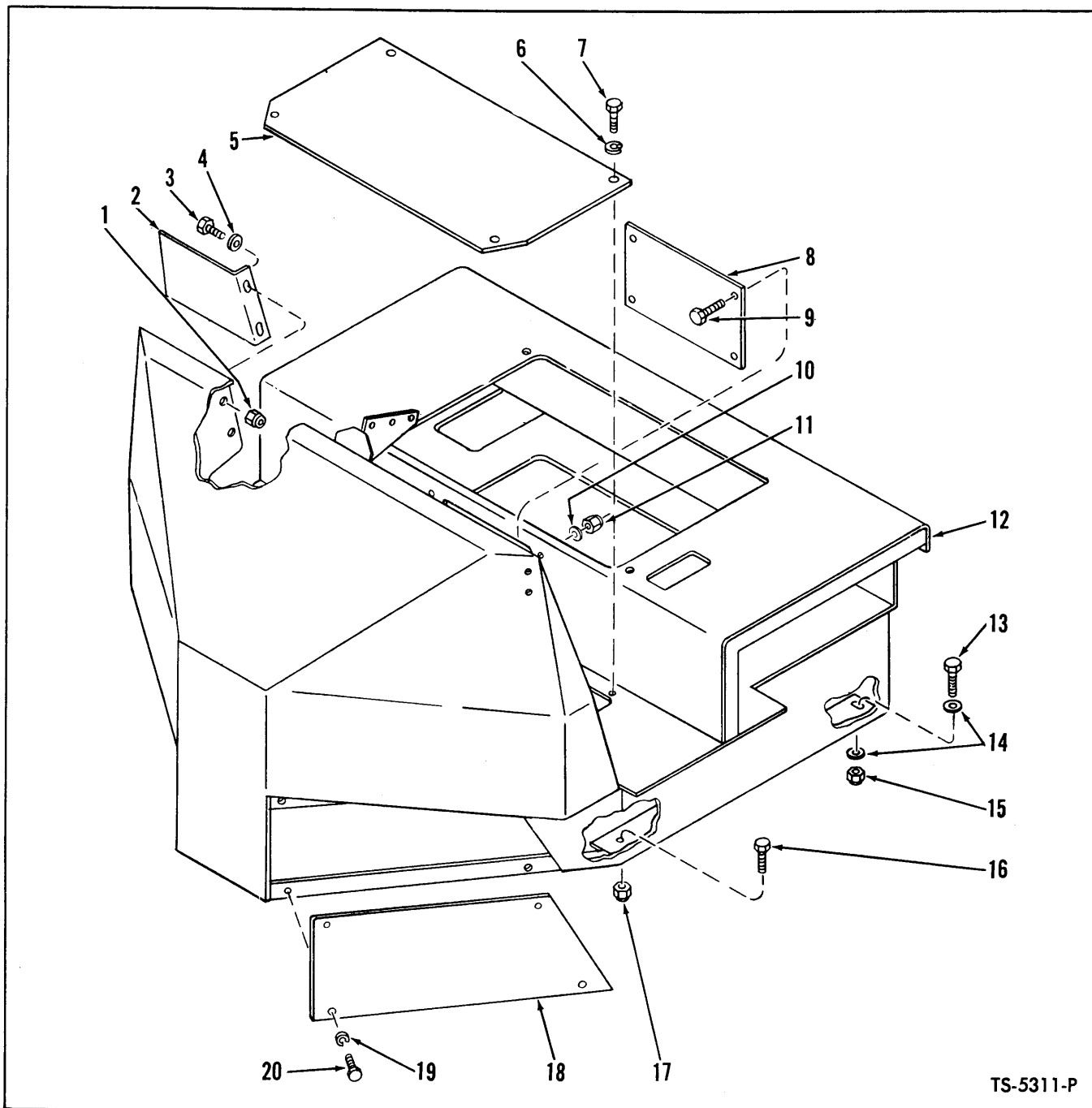
FRONT AND REAR FRAME AND CRADLE
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	23C-1232	BOLT, Pin to Frame	2	35	1F-1252	COTTER, Drawbar Pin	1
2	4E-12	LKWSHR, Pin to Frame	2	36	1506818	PIN, Drawbar	1
3	548088	LAMP, Head (Inc. 3A, 3B)	2	37	12H-15	FITTING, Pin Grease	1
3A	944872	†RETAINER & FRAME	2	37A	11H-15	FITTING, Pin Grease	1
3B	551244	†SEALED UNIT	2	38	24C-820	BOLT, Plate to Grille	4
4	652448	SPACER, Head Lamp	2	39	4E-08	LKWSHR, Plate Mtg.	4
5	569233	BRACKET, Head Lamp	2	40	1506190	PLATE, Pin Lock	2
6	568002	PIN, Boom to Frame	2	41	552146	‡SHIM, Cradle Mtg. — 1/16" ..	—
7	1533556	FRAME, Front (Inc. 64, 74A) ..	1	42	552147	‡SHIM, Cradle Mtg. — 1/8" ..	—
8	548088	LAMP, Head (Inc. 8A, 8B) ..	1	43	538605	BUSHING, Cradle	2
8A	944872	†RETAINER & FRAME	1	44	573883	CRADLE (Inc. 43)	1
8B	551244	†SEALED UNIT	1	45	18C-16160	BOLT, Axle to Cradle	8
9	652448	SPACER, Head Lamp	1	45A	574031	†SPACER, Axle Mtg.	8
10	1526213	BUSHING, Hinge Pin	1	46	68D-16	NUT, Axle to Cradle	8
11	660517	RING, Bushing Retaining	1	47	568258	PIN, Cradle Pivot	2
12	1526211	PIN, Upper Hinge	1	48	24C-1264	BOLT, Brk. to Frame	4
13	24C-820	BOLT, Plate to Frame	2	49	572995	BRACKET, Trans. Mtg. — R.H.	2
14	4E-08	LKWSHR, Plate to Frame	2	50	18D-14	NUT, Trans. to Bracket	8
15	1532917	PLATE, Pin Lock	1	51	572996	BRACKET, Trans. Mtg. — L.H.	2
16	11H-15	FITTING, Pin Grease	1	52	712285	WASHER, Brk. to Frame	2
17	568952	CAP, Hinge Pin	1	53	68D-12	NUT, Brk. to Frame	4
18	23C-1236	BOLT, Cap Retaining	6	54	18C-1452	BOLT, Trans. to Bracket	8
19	568953	BUSHING, Hinge Pin	1	55	18C-20160	BOLT, Lower Hinge Pin	1
20	25K-40416	O-RING, Spacer	1	56	1522428	WASHER, Hinge Pin	1
21	1533280	BAR, Safety Link	1	57	1522429	PLATE, Bushing Ret.	1
22	1533279	PIN, Bar to Frame	2	58	572817	BUSHING, Lower Pivot	1
23	1F-532	COTTER, Bar Pin	2	59	568954	*SPACER, Hinge Pin	1
24	1544289	BUSHING, Lower Pivot	1	60	10H-25	FITTING, Pin Grease	1
25	1522427	PIN, Lower Hinge	1	61	23C-820	BOLT, Ret. Plate	4
26	18D-20	NUT, Lower Hinge Pin	1	62	4E-08	LKWSHR, Ret. Plate	4
27	572818	BUSHING, Upper Pivot	1	63	567841	PLATE, Boom Cyl. Ret.	2
28	572818	BUSHING, Upper Pivot	1	64	1522910	SPACER, Cyl. Pivot	2
29		FRAME, Rear (Inc. 24, 27, 28, 58)		65	1511649	PIN, Strg. Cyl. to Frame	4
29A	1533473	For Serial Group "A"	1	66	18C-16152	BOLT, Axle to Frame	8
29B	1533472	For Serial Group "B"	1	67	66D-22	NUT, Strg. Cyl. to Frame	4
29C	1507101	For Serial Group "C"	1	68	68D-16	NUT, Axle to Frame	8
29D	1504298	For Serial Group "D"	1	69	574031	SPACER, Axle Mtg.	8
30	14D-10	NUT, Lamp Mtg.	6	70	18D-08	NUT, Lamp to Brk.	1
31	17E-10	LKWSHR, Lamp Mtg.	6	71	15E-10	LKWSHR, Wire to Lamp	1
32	1010736	PLUG, Lamp — R.H.	1	72	10H-25	FITTING, Pivot Pin Grease ...	2
33	560967	LAMP, Stop & Tail (Inc. 33A, 33B)	2	73	18D-08	NUT, Pin Retaining	2
33A	1010449	†LENS, Lamp	2	74	568649	PIN, Bucket Cyl. to Pivot	2
33B	946064	†BULB, Lamp	2	74A	568648	†BUSHING, Pivot Pin	2
34	86G-1012	SCREW, Lamp Mtg.	6	75	24C-880	BOLT, Pin Retaining	2
				76	18D-08	NUT, Lamp to Bracket	2
				77	15E-10	LKWSHR, Wire to Lamp	2

‡As Required
†Not Illustrated
Serial Group "A" — 11AFC101 thru 12AFC999
Serial Group "B" — 11AFG101 thru 11AFG999
Serial Group "C" — 13AFC101 & After
Serial Group "D" — 12AFG101 & After

*NOTE: For replacement use 1-1510348 Spacer plus 1-1530842 Wiper.

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

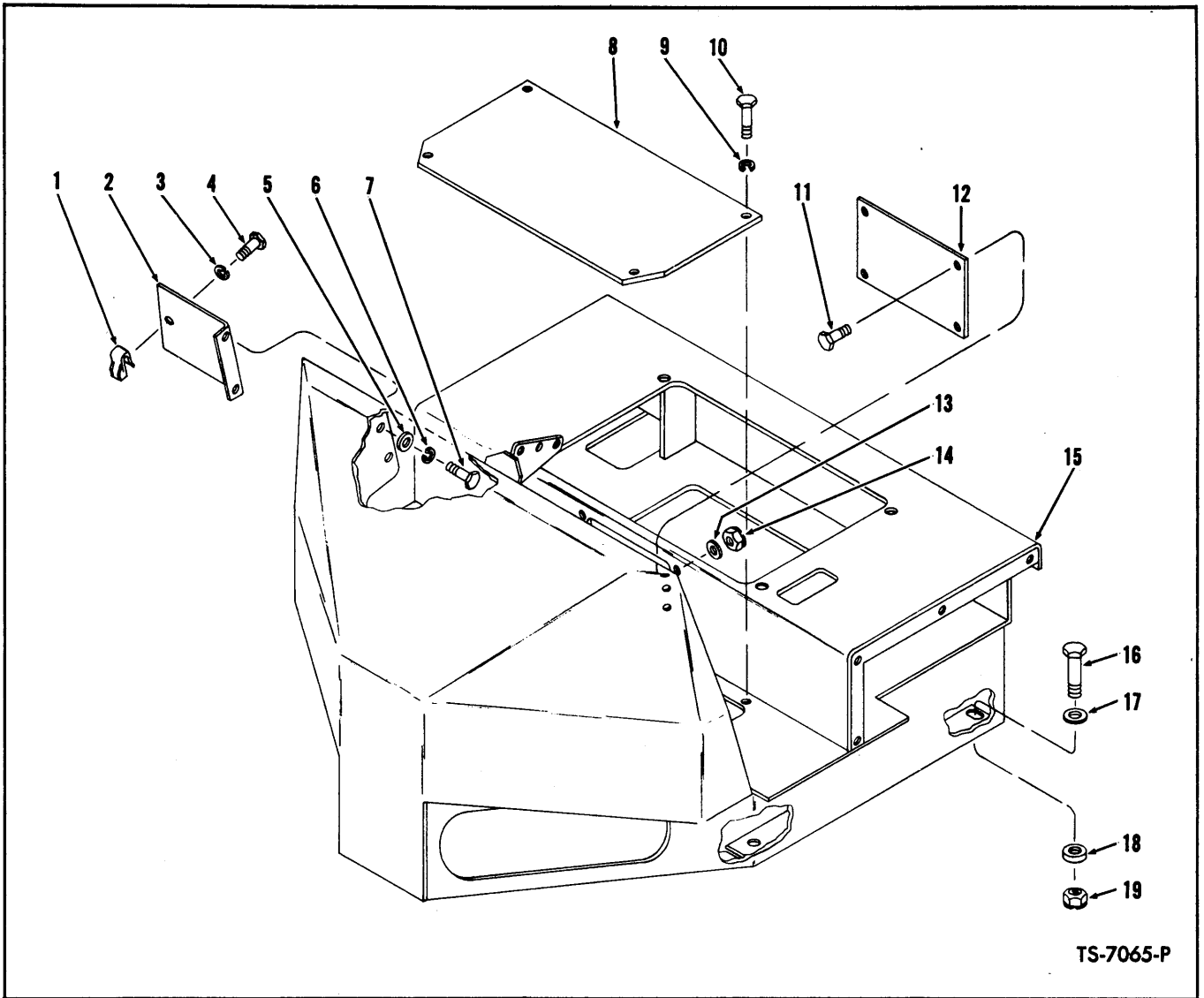


COCKPIT AND SEAT SUPPORT

For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-06	NUT, Panel to Cockpit	2	11	18D-04	NUT, Cover to Cockpit	4
2	589991	PANEL, Instrument - R. H.	1	12	568598	COCKPIT ASSY	1
3	18C-616	BOLT, Panel to Cockpit	2	13	18C-828	BOLT, Cockpit to Frame Rear	2
4	565280	WASHER, Panel to Cockpit	2	14	619029	WASHER, Cockpit to Frame Rear	4
5	568946	PLATE, Floorboard	1	15	18D-08	NUT, Cockpit to Frame Rear	2
6	4E-08	LKWSHR, Floorboard to Cockpit	4	16	18C-824	BOLT, Cockpit to Frame Front	2
7	17C-816	BOLT, Floorboard to Cockpit	4	17	18D-08	NUT, Cockpit to Frame Front	2
8	557057	PLATE, Heater Cover	1	18	568947	PLATE, Steering Gear Access	2
9	18C-412	BOLT, Cover to Cockpit	4	19	4E-06	LKWSHR, Plate to Cockpit	8
10	25E-13	WASHER, Cover to Cockpit	4	20	17C-616	BOLT, Plate to Cockpit	8

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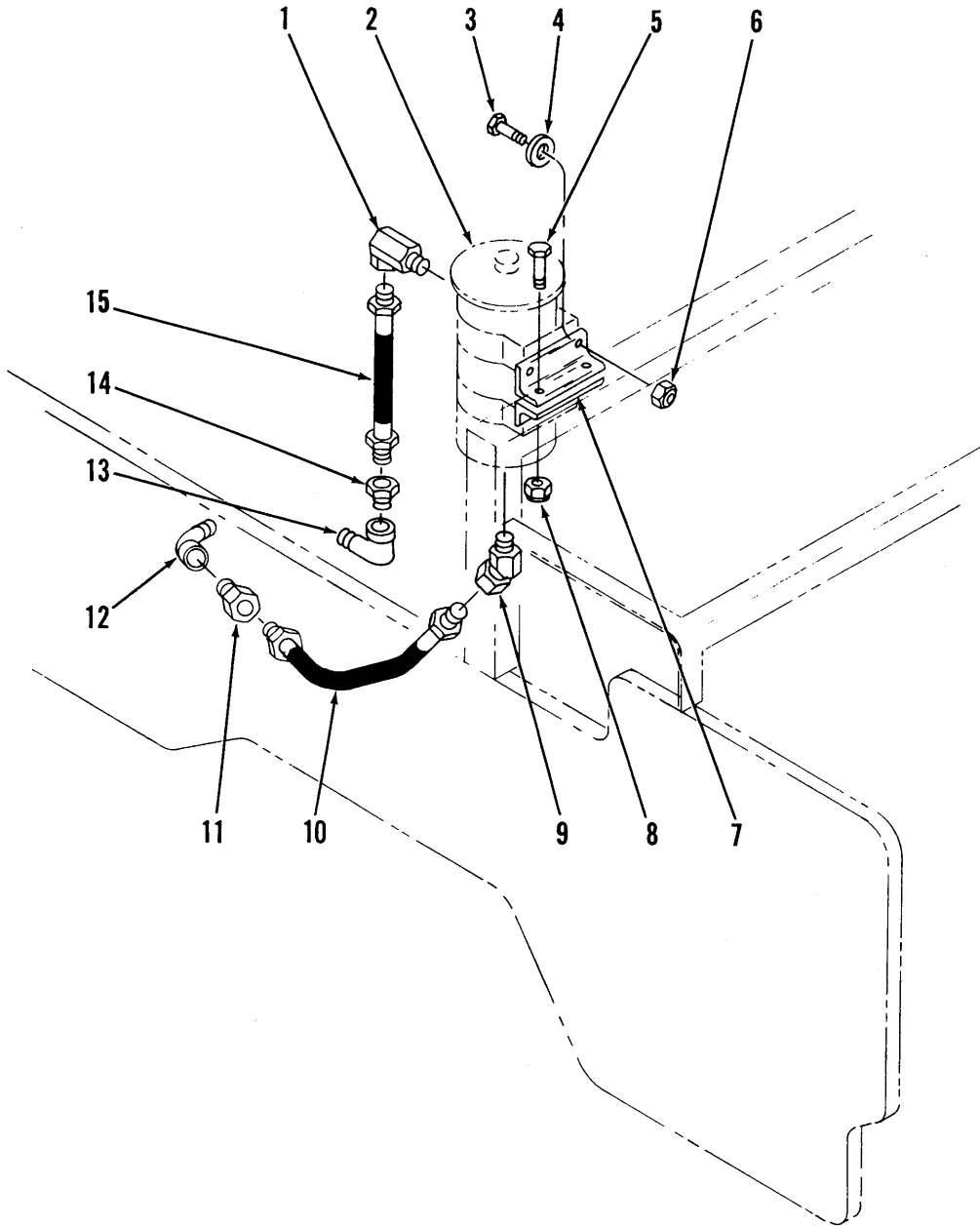


TS-7065-P

COCKPIT ASSEMBLY — CUMMINS
 For Serial: Cummins — 8AFC101 and after
 G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	572729	CAGED NUT, Instrument Panel Retaining	1	10	17C-816	BOLT, Floorboard to Cockpit	4
2	574026	PLATE, Panel — R.H.	1	11	18C-412	BOLT, Cover Plate to Cockpit	4
3	4E-06	LKWSHR, Panel to Cockpit	1	12	557057	PLATE, Heater Cover	1
4	17C-616	BOLT, Panel to Cockpit	1	13	25E-21	WASHER, Cover Plate to Cockpit	4
5	656672	WASHER, Panel to Cockpit	2	14	18D-04	NUT, Cover Plate to Cockpit	4
6	4E-06	LKWSHR, Panel to Cockpit	2	15	568598	COCKPIT	1
7	17C-616	BOLT, Panel to Cockpit	2	16	18C-840	BOLT, Cockpit to Frame	4
8	568946	PLATE, Floorboard	1	17	619029	WASHER, Cockpit to Frame	4
9	4E-08	LKWSHR, Floorboard to Cockpit	4	18	—	OMIT, Not applicable this model	—
				19	18D-08	NUT, Cockpit to Frame	4

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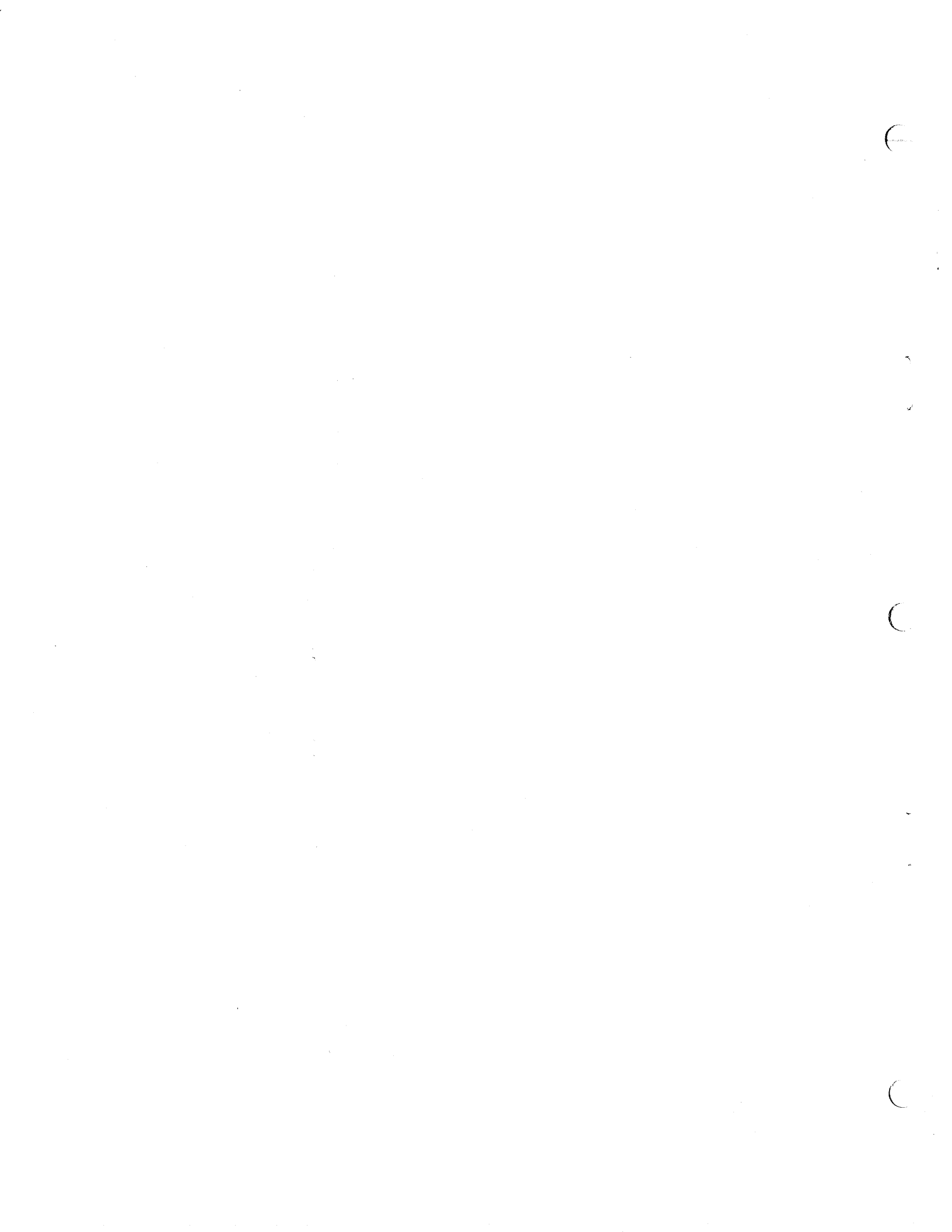


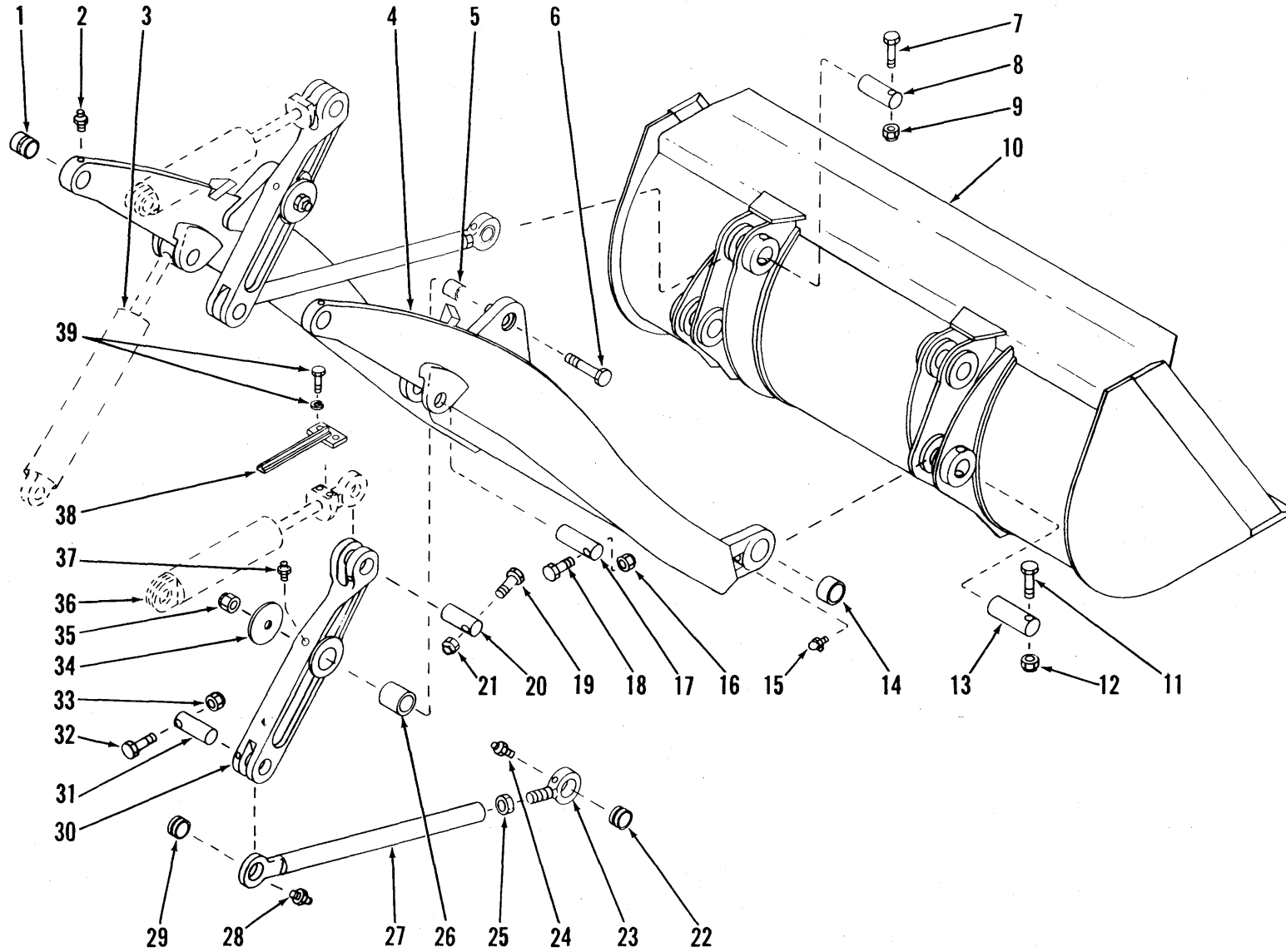
TS-6335-P

ENGINE OIL BY-PASS FILTER — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	31F-3	ELBOW, Hose to By-Pass Filter	1	7	568465	BRACKET, By-Pass Filter Mounting	2
2	-----	FILTER, Oil By-Pass (See Engine Parts Manual)	—	8	18D-06	NUT, Mounting Bracket to Frame	2
3	18C-516	BOLT, By-Pass Filter to Mounting Bracket	4	9	33F-3	ELBOW, Hose to By-Pass Filter	1
4	25E-15	WASHER, By-Pass Filter to Mounting Bracket	4	10	645493	HOSE, By-Pass Filter to Oil Pan	1
5	18C-628	BOLT, Mounting Bracket to Frame	2	11	19F-6	BUSHING, Reducing — Hose to Elbow	1
6	18D-05	NUT, By-Pass Filter to Mounting Bracket	4	12	25F-4	ELBOW, Hose to Oil Pan	1
				13	26F-4	ELBOW, Hose to Engine	1
				14	19F-6	BUSHING, Reducing — Hose to Elbow	1
				15	712699	HOSE, By-Pass Filter to Engine	1

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





BUCKET, INDICATORS, BOOM, BELLCRANKS AND PUSHRODS - CUMMINS
For Serial: 7AFC101 thru 10AFC999

TS-6402-P



**CONSTRUCTION MACHINERY DIVISION
BUCKETS, INDICATORS, BOOM, BELLCRANKS AND PUSHRODS
CUMMINS**



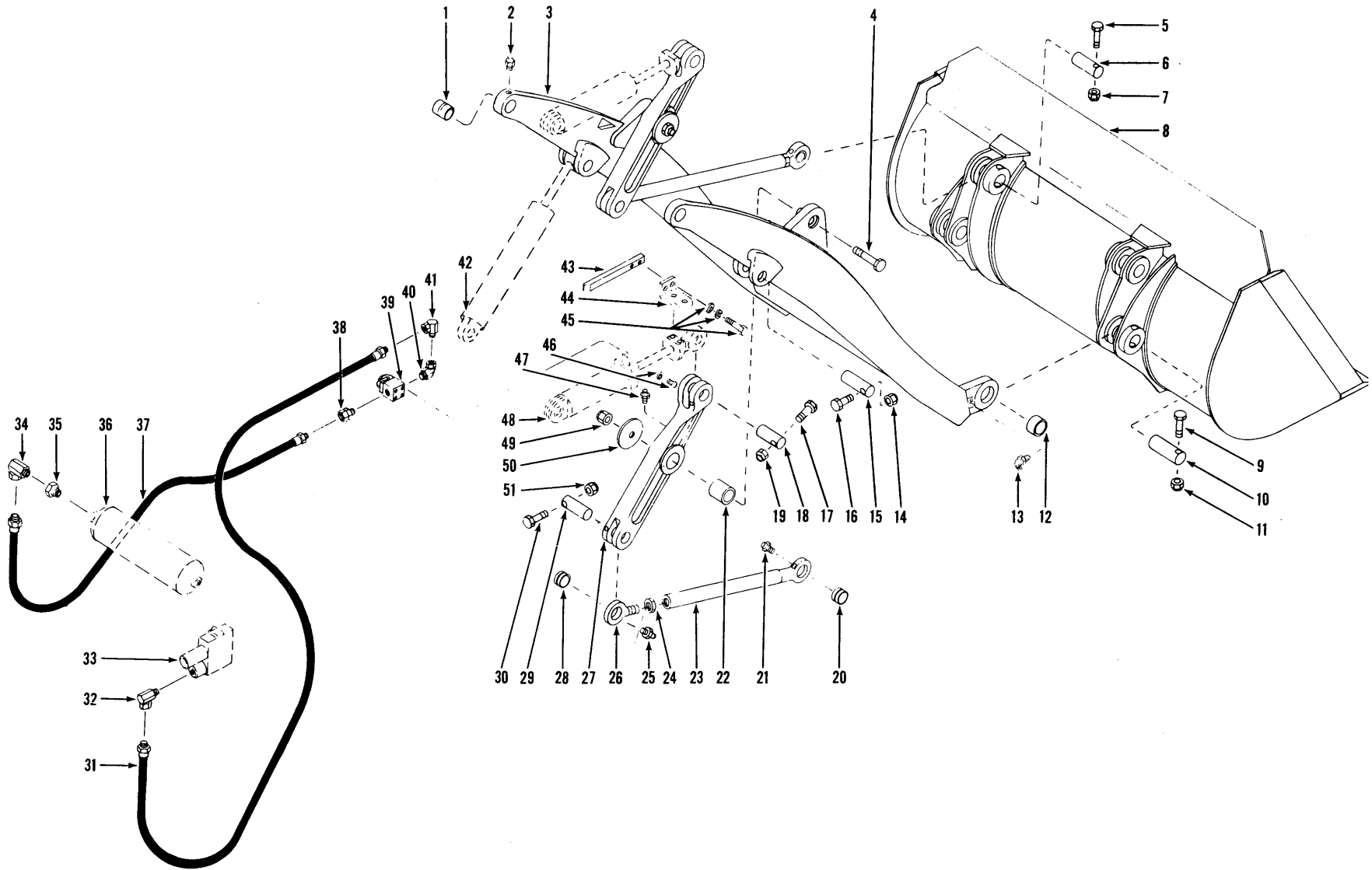
For Serial: 7AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.
1	669896	BUSHING, Boom Arm	2
2	10H-25	FITTING, Boom Arm Grease	2
3	-----	BOOM CYLINDER - See Index.....	—
4	1507247	*BOOM ASSY (Inc. 1, 14).....	1
5	557932	BUSHING, Bellcrank Pivot - For Serial: 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999, 9AFC101 thru 9AFC172 and 9AFC190	2
6	-----	BOLT, Bellcrank to Boom	
6A	18C-16112	For Serial: 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999, 9AFC101 thru 9AFC150	2
6B	18C-16144	For Serial: 9AFC151 thru 10AFC999	2
7	18C-868	BOLT, Pin Retaining	2
8	572116	PIN, Pushrod to Bucket	2
9	18D-08	NUT, Pin Retaining	2
10	-----	BUCKET - See Chart	—
11	18C-896	BOLT, Pin Retaining	2
12	18D-08	NUT, Pin Retaining	2
13	563445	PIN, Boom to Bucket	2
14	1520690	BUSHING, Boom Arm	2
15	12H-15	FITTING, Boom Arm Grease	2
16	18D-08	NUT, Pin Retaining	2
17	565957	PIN, Boom to Boom Cylinder	2
18	18C-864	BOLT, Pin Retaining	2
19	18C-876	BOLT, Pin Retaining	2
20	568827	PIN, Bucket Cylinder to Bellcrank	2
21	18D-08	NUT, Pin Retaining	2
22	566790	BUSHING, Pushrod	2
23	570131	EYE, Pushrod Adjusting (Inc. 22)	2
24	10H-25	FITTING, Pushrod Bushing Grease	2
25	569963	NUT, Eye Jam	2
26	-----	BUSHING, Bellcrank	
26A	557931	For Serial: 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999, 9AFC101 thru 9AFC150	2
26B	1524321	For Serial: 9AFC151 thru 10AFC999	2
27	562593	PUSHROD, Bellcrank to Bucket (Inc. 29).....	2
28	10H-25	FITTING, Pushrod Bushing Grease	2
29	566790	BUSHING, Pushrod	2
30	1526296	**BELLCRANK ASSY (Inc. 26B)	2
31	594547	PIN, Bellcrank to Pushrod	2
32	18C-876	BOLT, Pin Retaining	2
33	18D-08	NUT, Pin Retaining	2
34	557973	WASHER, Bellcrank	2
35	18D-16	NUT, Bellcrank to Boom	2
36	-----	BUCKET CYLINDER - See Index.....	—
37	10H-25	FITTING, Bellcrank Grease	2
38	573551	INDICATOR, Bucket	1
39	18C-620	BOLT, Indicator to Bucket Cylinder	2
39A	4E-06	LKWSHR, Indicator to Bucket Cylinder	2

*NOTE: When replacing the Boom Assy. on Machine Serial 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999, 9AFC101 thru 9AFC150 two 1526296 Bellcrank and two 18C-16144 Bellcrank to Boom Bolt must also be used.

**NOTE: When replacing Bellcranks on Machine Serial 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999, 9AFC101 thru 9AFC150 one 18C-16144 Bellcrank to Boom Bolt must also be used for each Bellcrank.

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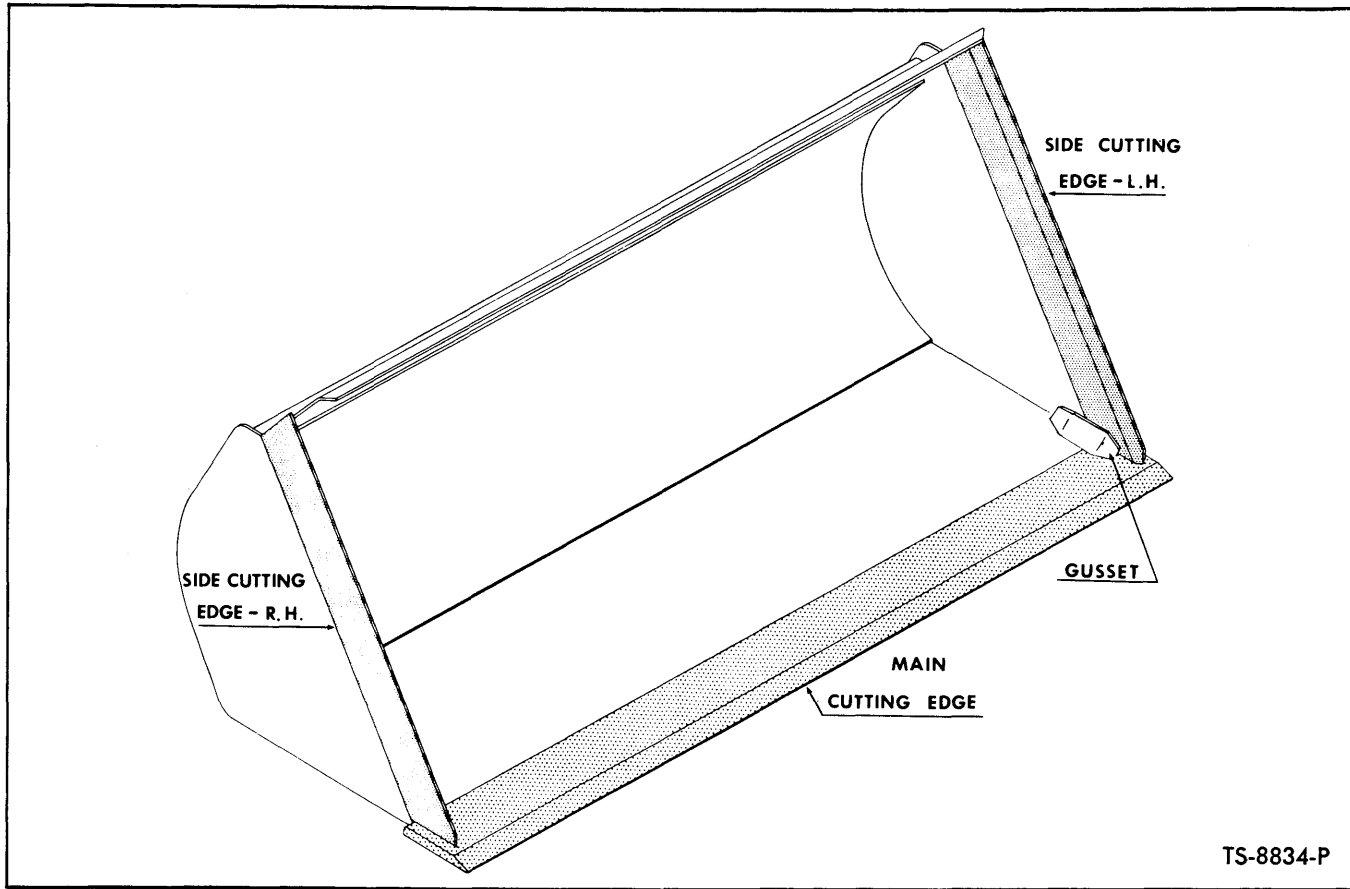


BOOM, BELLCRANKS, PUSHRODS, BUCKET LEVELER AND PIPING
For Serial: Cummins – 11AFC101 & After. G.M. – 11AFG101 & After

CONSTRUCTION MACHINERY DIVISION
BOOM, BELLCRANKS, PUSHRODS, BUCKET LEVELER AND PIPING
 For Serial: Cummins — 11AFC101 and after
 G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.
1	669896	BUSHING, Boom Arm	2
2	10H-25	FITTING, Arm Grease	2
3	1507247	BOOM (Inc. 1, 13)	1
4	18C-16144	BOLT, Bellcrank to Boom	2
5	18C-868	BOLT, Pin Retaining	2
6	572116	PIN, Pushrod to Bucket	2
7	18D-08	NUT, Pin Retaining	2
8	-----	BUCKET — See Index	—
9	18C-896	BOLT, Pin Retaining	2
10	563445	PIN, Boom to Bucket	2
11	18D-08	NUT, Pin Retaining	2
12	1520690	BUSHING, Boom Arm	2
13	12H-15	FITTING, Arm Grease	2
14	18D-08	NUT, Pin Retaining	2
15	565957	PIN, Boom to Cylinder	2
16	18C-864	BOLT, Pin Retaining	2
17	18C-876	BOLT, Pin Retaining	2
18	568827	PIN, Bellcrank to Cylinder	2
19	18D-08	NUT, Pin Retaining	2
20	566790	BUSHING, Pushrod	2
21	10H-25	FITTING, Grease	2
22	1524321	BUSHING, Bellcrank	2
23	1504431	PUSHROD (Inc. 20)	2
24	569963	NUT, Jam	2
25	10H-25	FITTING, Eye Grease	2
26	570131	EYE, Adjusting (Inc. 28)	2
27	1526296	BELLCRANK (Inc. 22)	2
28	566790	BUSHING, Pushrod Eye	2
29	594547	PIN, Pushrod to Bellcrank	2
30	18C-876	BOLT, Pin Retaining	2
31	1536779	HOSE, Valve to Valve	1
32	31F-2	ADAPTER UNION	1
33	-----	VALVE, Control — See Index	—
34	31F-2	ADAPTER UNION	1
35	19F-3	BUSHING, Reducing	1
36	-----	RESERVOIR, Air — See Index	—
37	1536779	HOSE, Reservoir to Valve	1
38	36F-2	ADAPTER UNION	1
39	-----	VALVE, Air — See Index	—
40	29F-1	ELBOW, Valve	1
41	31F-2	ADAPTER UNION	1
42	-----	CYLINDER, Boom — See Index	—
43	1528637	CAM, Bucket Leveler	1
44	1528638	BRACKET, Leveler Cam	1
45	18C-620	BOLT, Cam & Brk. Mtg.	4
45A	4E-06	LKWSHR, Cam & Brk. Mtg.	4
45B	619021	WASHER, Cam & Brk. Mtg.	4
46	86G-1010	SCREW, Air Valve Mtg.	4
46A	12E-10	LKWSHR, Valve Mtg.	4
47	10H-25	FITTING, Grease	2
48	-----	CYLINDER, Bucket — See Index	—
49	18D-16	NUT, Bellcrank to Boom	2
50	557973	WASHER, Bellcrank	2
51	18D-08	NUT, Pin Retaining	2

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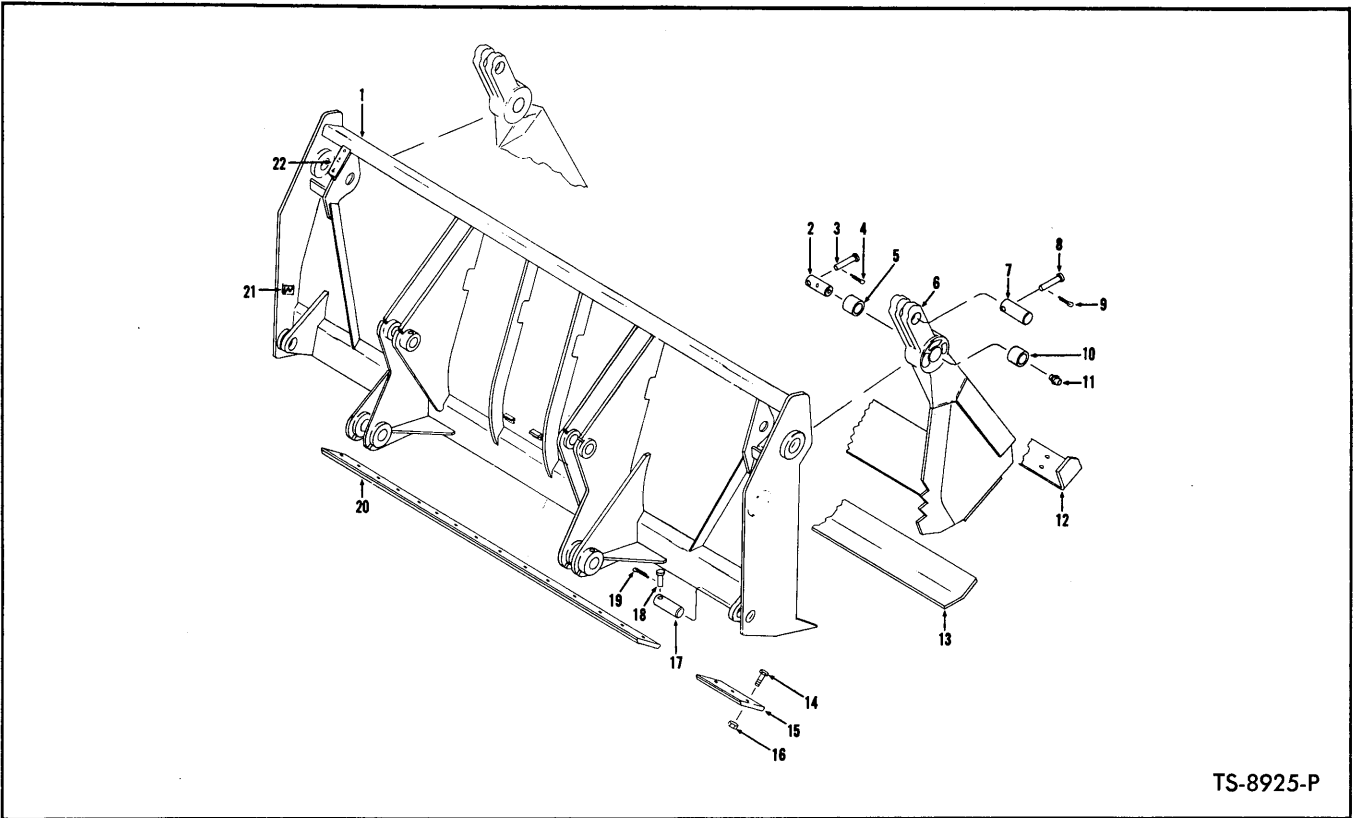


BUCKET ASSEMBLY DATA

BUCKET				MAIN CUTTING EDGE		SIDE CUTTING EDGES			GUSSET
Item No.	S.A.E. Heaped Capacity Cu. Yd.	Width	Part No.	Part No.	Size	L.H. Part No.	R.H. Part No.	Size	Part No.
1	2-3/4	105-3/4"	566900	565429	1-3/8" x 10" x 105-3/4"	568894	568895	3/4" x 6" x 47-1/2"	
2	3-1/4	105-3/4"	571678	595041	1-3/8" x 10" x 105-3/4"	571667	571668	3/4" x 6" x 50"	
3	3	109-3/4"	*574075	574071	1-3/8" x 10" x 109-3/4"	568894	568895	3/4" x 6" x 47-1/2"	
4	3	109-3/4"	1524337	574071	1-3/8" x 10" x 109-3/4"	1524339	1524338	3/4" x 6" x 50-1/2"	
5	3-1/2	109-3/4"	*574080	533880	1-3/8" x 10" x 109-3/4"	574086	574088	3/4" x 6" x 50-1/2"	
6	3-1/2	109-3/4"	1525983	533880	1-3/8" x 10" x 109-3/4"	1525984	1525985	3/4" x 6" x 54"	
7	2-3/4	109-3/4"	1520411	1524107-R.H. 1524008-L.H.	1-3/8" x 10" x 57-3/4" 1-3/8" x 10" x 57-3/4"	----	----	----	
8	4	114-7/8"	1507770	1517764	1-3/4" x 10-1/2" x 60-5/8" 1-3/4" x 10-1/2" x 60-5/8"	1507774	1507773	1-1/4" x 9" x 53-9/16"	1536086
9	4	114-7/8"	1545894	1517764	1-3/4" x 10-1/2" x 60-5/8" 1-3/4" x 10-1/2" x 60-5/8"	1507774	1507773	1-1/4" x 9" x 53-9/16"	1536086
10									
11									
12									

*NOTE: When complete replacement is necessary for 574075 Bucket Assy. use 1524337 for 574080 Bucket Assy use 1525983.
 **NOTE: 3/4" x 6" x 10" Segments are available for above side cutting edges 572875 R.H. and 572874 L.H.
 ***NOTE: 3/4" x 6" x 10" Segments are available for above side cutting edges 572872 R.H. and 572873 L.H.
 ****NOTE: 3/4" x 6" x 10" Segments are available for above side cutting edges 548970 R.H. and 548971 L.H.
 *****NOTE: 3/4" x 6" x 10" Segments are available for above side cutting edges 572141 R.H. and 572142 L.H.

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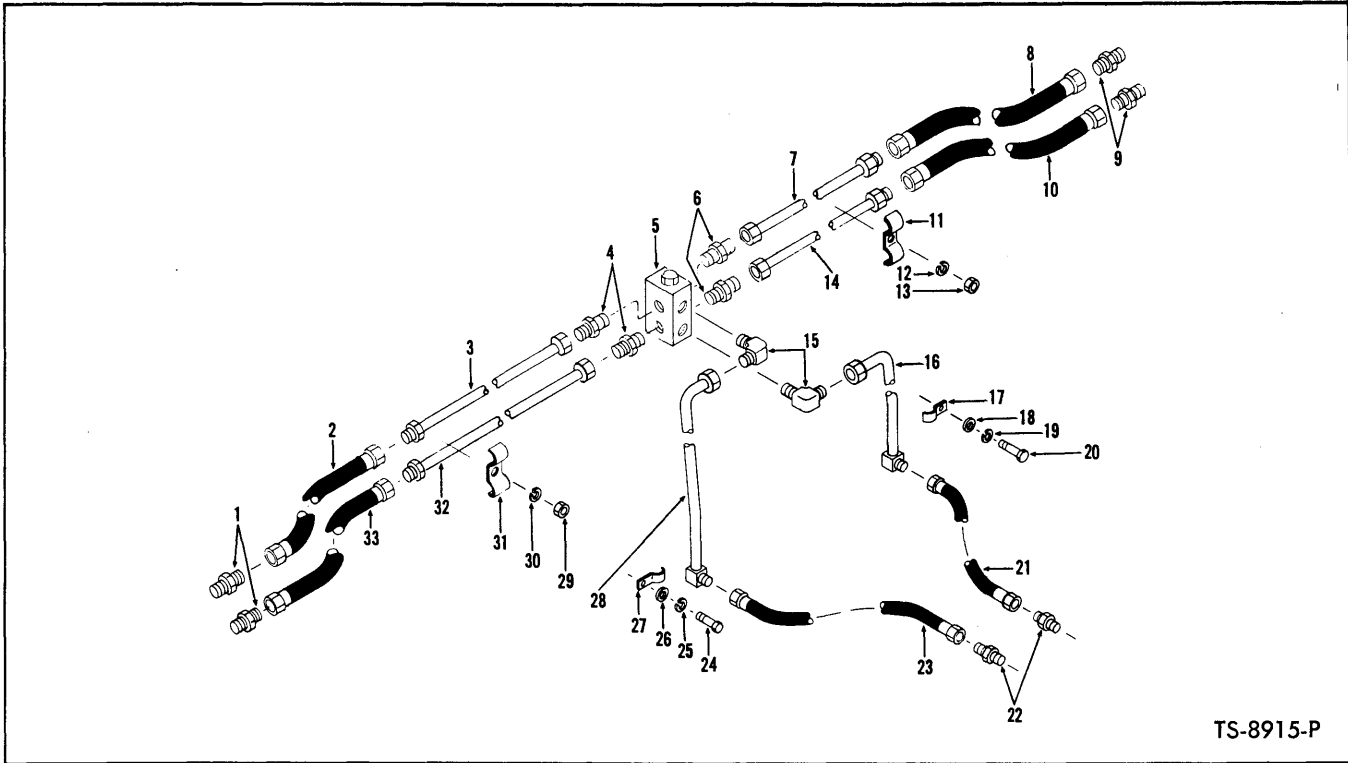
TS-8925-P

DROTT (4 in 1) BUCKET ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	1535945	BUCKET ASSY (Inc. 1 thru 24C)	1
1	1509274	BUCKET BACK ASSY (Inc. 14 thru 16, 20)	1
2	1509251	PIN, Bucket Front to Bucket Back	2
3	1509322	PIN, Clevis	2
4	1F-416	COTTER	2
5	1509355	BUSHING, Bucket Front	2
6	1509272	BUCKET FRONT ASSY (Inc. 5, 6A, 6B, 10, 12, 13)	1
6A	1509273	HINGE EAR — R.H.	1
6B	1509275	HINGE EAR — L.H.	1
7	1509247	PIN, Cylinder to Bucket Front	2
8	1509321	PIN, Clevis	2
9	1F-416	COTTER	2
10	1509355	BUSHING, Bucket Front	2
11	10H-25	FITTING, Grease	2
12	1509249	CUTTING EDGE — Front, Bucket Front	1
13	1509243	CUTTING EDGE — Rear, Bucket Front	1
14	513603	BOLT, Plow (Inc. 16)	21
15	1509245	CORNER BIT, Bucket Back	2
16	1D-12	NUT, Plow Bolt	21
17	1509246	PIN, Cylinder to Bucket Back	2
18	1509322	PIN, Clevis	2
19	1F-416	COTTER	2
20	1509250	CUTTING EDGE, Bucket Back	1
21	1533342	DECAL, Clean	2
22	1509248	DECAL, Clam Opening	1
23	1509271	†DECAL, Tilt Cylinder	1
24	1509267	†INDICATOR, Felt Cylinder	1
24A	24C-624	†BOLT, Indicator Attaching	2
24B	619021	†WASHER, Indicator Attaching	6
24C	4E-06	†LKWSHR, Indicator Attaching	2

†Not Illustrated

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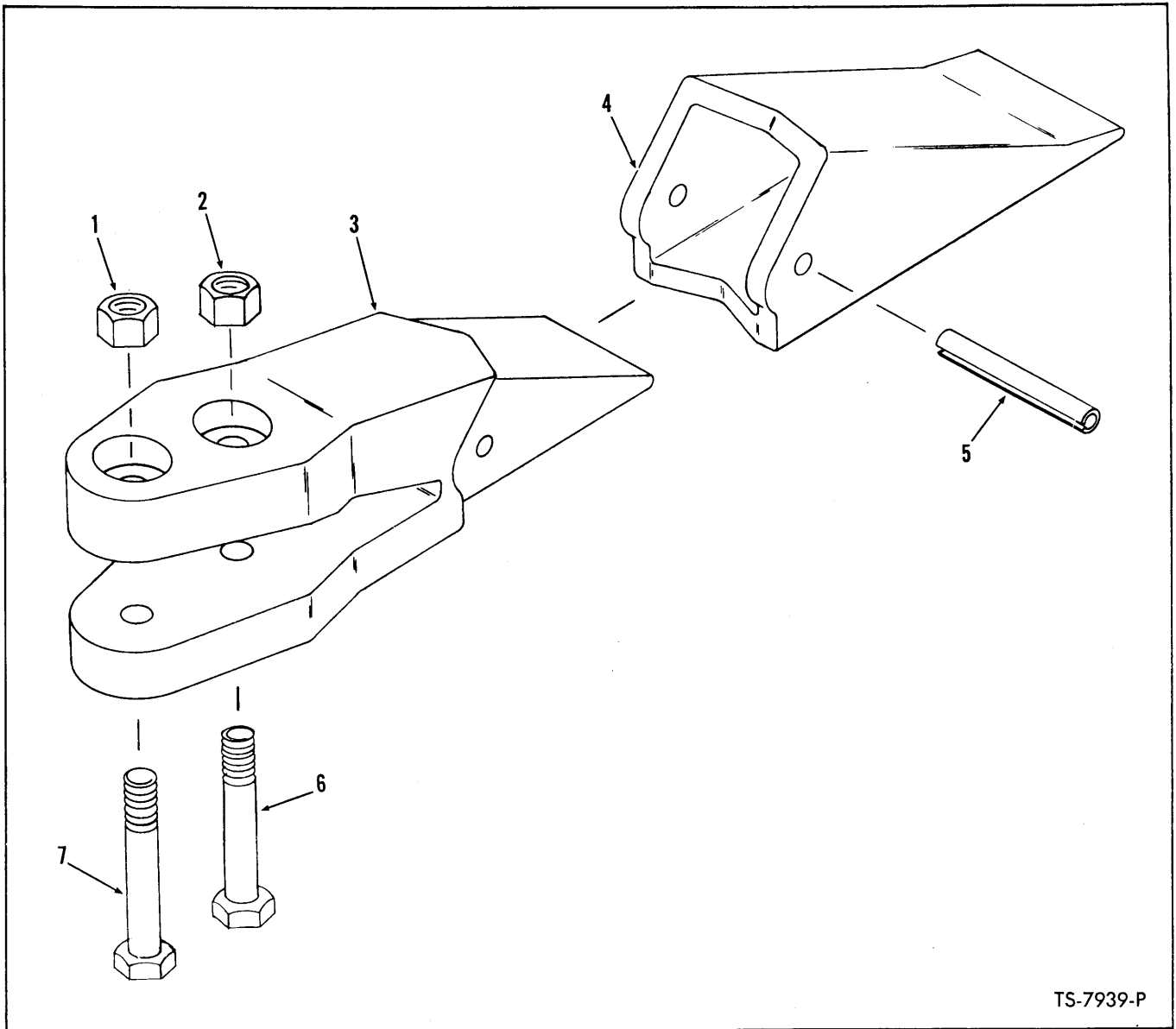


TS-8915-P

HYDRAULIC SYSTEM – DROTT BUCKET

Item No.	Part No.	Description	No. Req'd.
1	89F-8	ADAPTER, Hose to Cylinder	2
2	1305865	HOSE, Cylinder to Tube	1
3	1509262	TUBE, Hose to Relief Valve	1
4	663013	ADAPTER	2
5	1509290	RELIEF VALVE	1
6	663013	ADAPTER	2
7	1509262	TUBE, Relief Valve to Hose	1
8	1305865	HOSE, Cylinder to Tube	1
9	89F-8	ADAPTER, Hose to Cylinder	2
10	1305865	HOSE, Cylinder to Tube	1
11	1533350	CLAMP, Tube Attaching	1
12	4E-06	LKWSHR, Clamp Attaching	1
13	63D-06	NUT, Clamp Attaching	1
14	1509262	TUBE, Relief Valve to Hose	1
15	730149	ELBOW, Tube to Valve	2
16	1509270	TUBE, Valve to Hose	1
17	1509241	CLAMP, Tube Attaching	1
18	25E-16	WASHER, Clamp Attaching	1
19	4E-06	LKWSHR, Clamp Attaching	1
20	23C-616	BOLT, Clamp Attaching	1
21	755047	HOSE, Jumper	1
22	89F-10	ADAPTER	2
23	755047	HOSE, Jumper	1
24	23C-616	BOLT, Clamp Attaching	1
25	4E-06	LKWSHR, Clamp Attaching	1
26	25E-16	WASHER, Clamp Attaching	1
27	1509241	CLAMP, Tube Attaching	1
28	1509269	TUBE, Valve to Hose	1
29	63D-06	NUT, Clamp Attaching	1
30	4E-06	LKWSHR, Clamp Attaching	1
31	1533350	CLAMP, Tube Attaching	1
32	1509262	TUBE, Hose to Relief Valve	1
33	1305865	HOSE, Cylinder to Tube	1

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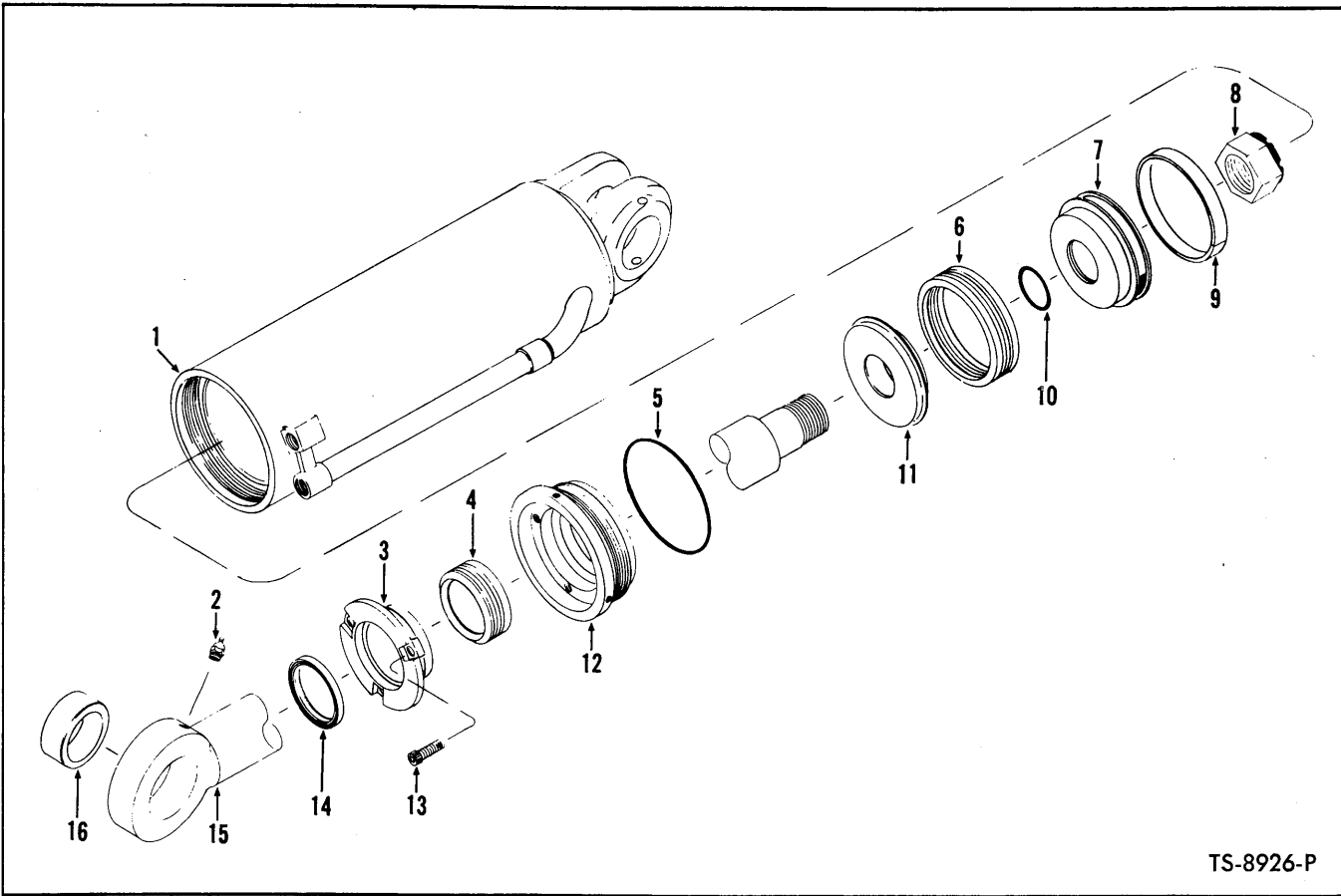


TS-7939-P

BUCKET TOOTH ASSEMBLY—DROTT BUCKET

Item No.	Part No.	Description	No. Req'd.
A	1509266	BUCKET TOOTH ASSY (Inc. 1 thru 7)	10
1	61D-14	NUT, Bolt Attaching	10
2	61D-14	NUT, Bolt Attaching	10
3	----	ADAPTER, Tooth — See "A"	—
4	1509263	TIP (Tooth Point)	10
5	654461	PIN, Flex	10
6	23C-1464	BOLT, Tooth Attaching	10
7	23C-1468	BOLT, Tooth Attaching	10

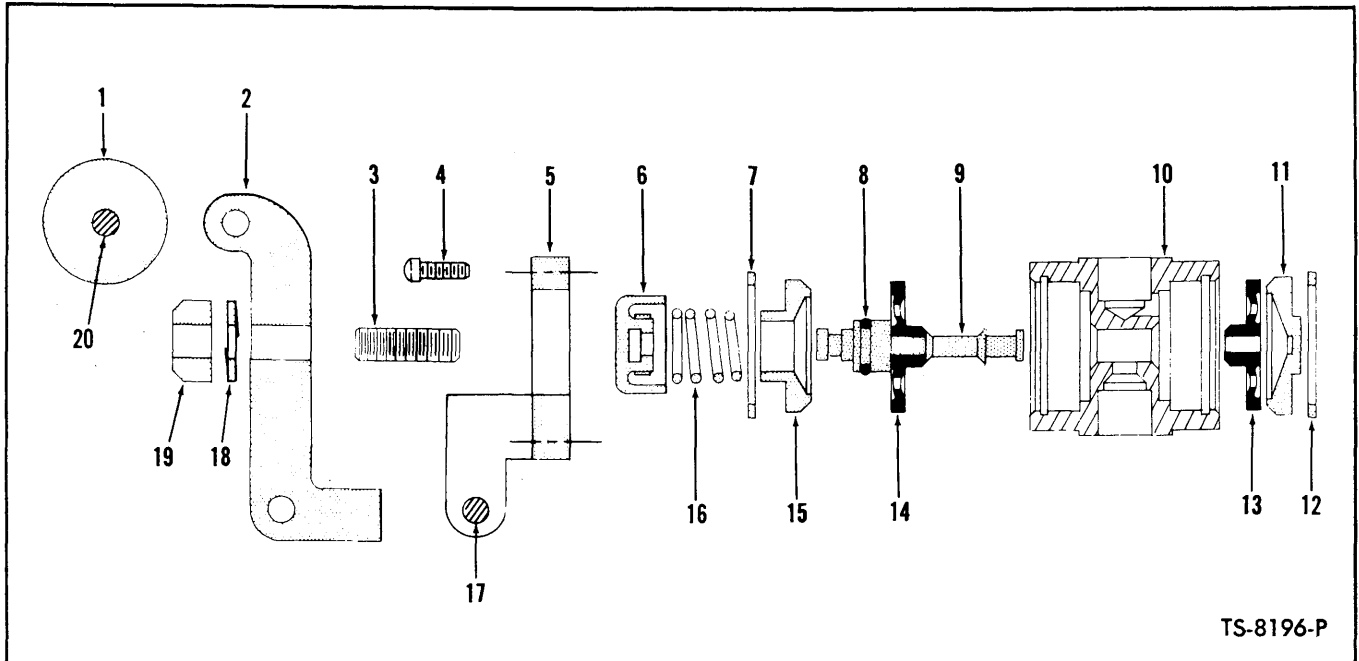
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CLAMP CYLINDER ASSEMBLY—DROTT BUCKET

Item No.	Part No.	Description	No. Req'd.
A	1509268	CYLINDER ASSY (Inc. 1 thru 16)	2
NOTE: Two (2) Cylinders are used — Quantities listed below are for 1 Cylinder.			
1	1509261	CYLINDER	1
2	10H-25	FITTING, Grease	1
3	1509253	FLANGE, Packing	1
4	1509259	V-PACKING SET	1
5	25K-80500	O-RING	1
6	1509256	V-PACKING SET	1
7	1509258	PISTON	1
8	18D-24	NUT, Piston Rod	1
9	1509260	WEAR RING	1
10	58K-222	O-RING	1
11	1509257	PISTON	1
12	1509255	CAP, Cylinder	1
13	1509333	BOLT, Packing Flange	3
14	1509254	WIPER RING	1
15	1509252	ROD ASSY, Cylinder (Inc. 16)	1
16	1509244	BUSHING, Cylinder Rod	1

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



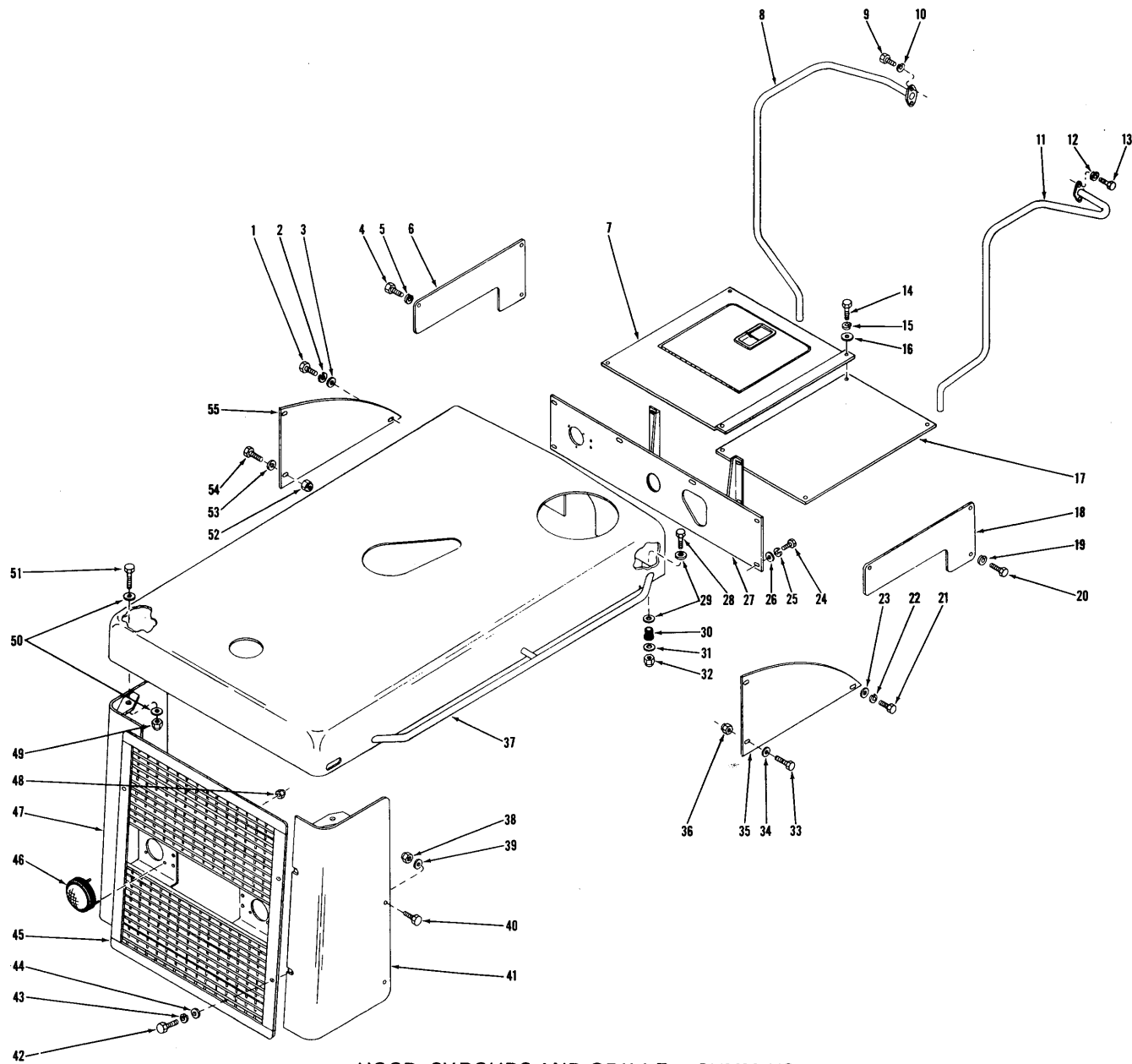
TS-8196-P

AIR VALVE ASSEMBLY — BUCKET LEVELER
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

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

§Not Sold Separately

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



HOOD, SHROUDS AND GRILLE – CUMMINS
For Serial: 7AFC101 thru 7AFC999

TS-6912-P

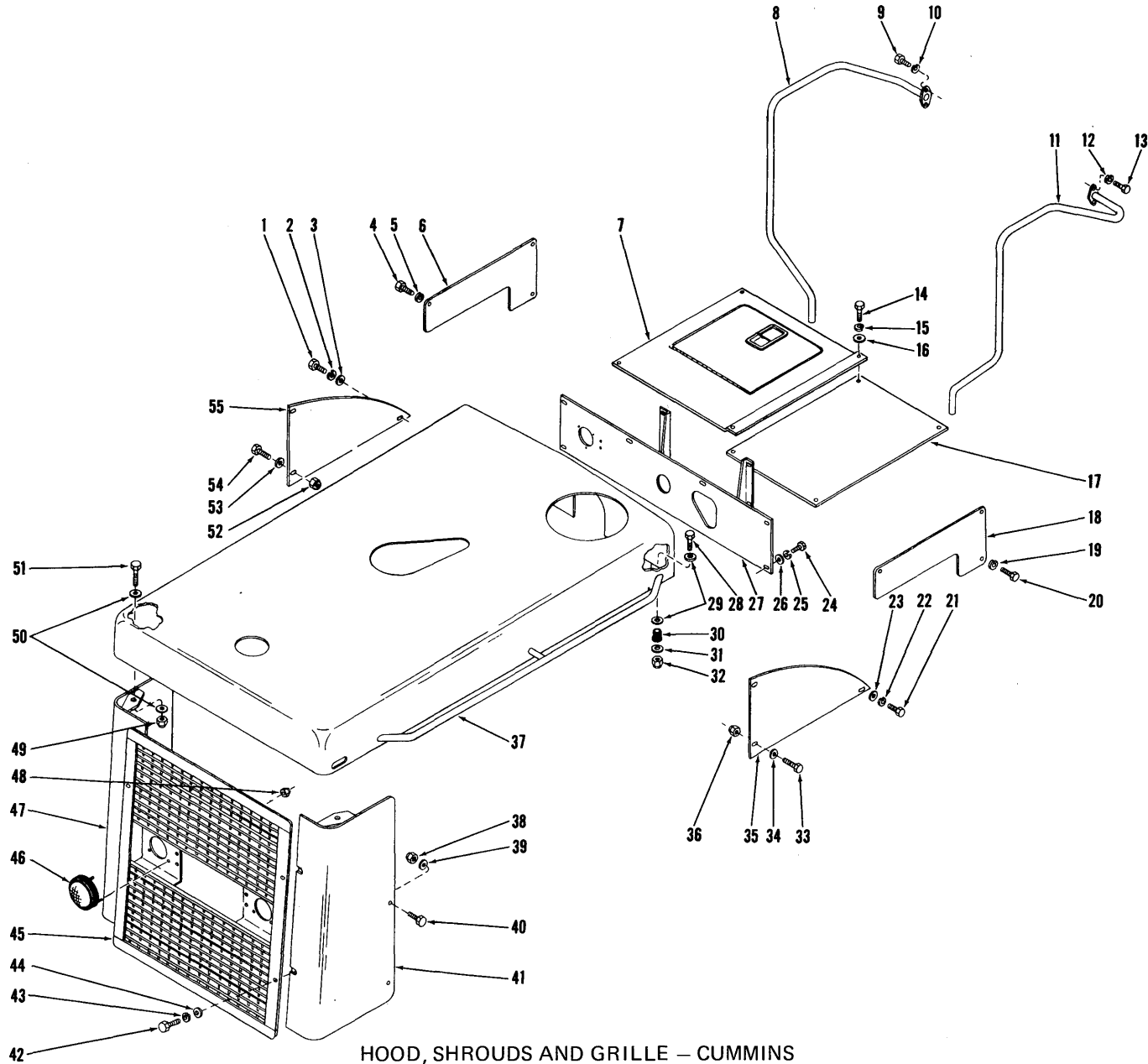
HOOD, SHROUDS AND GRILLE — CUMMINS

For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-616	BOLT, Side Plate to Tapped Block	1	30	568276	DAMPENER, Vibration	2
2	4E-06	LKWSHR, Side Plate to Tapped Block ..	1	31	619021	WASHER, Hood to Frame	2
3	656672	WASHER, Side Plate to Tapped Block	1	32	18D-06	NUT, Hood to Frame	2
4	18C-616	BOLT, Panel to Cockpit	3	33	18C-624	BOLT, Side Plate to Frame	2
5	4E-06	LKWSHR, Panel to Cockpit	3	34	656672	WASHER, Side Plate to Frame	2
6	568975	PANEL, Cockpit	1	35	568748	PLATE, Side	1
7	568076	COVER ASSY — L. H.	1	36	18D-06	NUT, Side Plate to Frame	2
8	569394	RAIL, Hand — L. H.	1	37	573016	HOOD	1
9	17C-616	BOLT, Hand Rail to Cockpit	2	38	18D-08	NUT, Grille Side Plate to Frame	6
10	4E-06	LKWSHR, Hand Rail to Cockpit	2	39	635682	WASHER, Grille Side Plate to Frame	6
11	569392	RAIL, Hand — R. H.	1	40	18C-832	BOLT, Grille Side Plate to Frame	6
12	4E-06	LKWSHR, Hand Rail to Cockpit	2	41	568359	PLATE, Grille Side — R. H.	1
13	17C-616	BOLT, Hand Rail to Cockpit	2	42	18C-824	BOLT, Grille to Side Plate	4
14	17C-620	BOLT, Cover Plates to Frame	6	43	4E-08	LKWSHR, Grille to Side Plate	4
15	4E-06	LKWSHR, Cover Plates to Frame	6	44	635682	WASHER, Grille to Side Plate	4
16	656672	WASHER, Cover Plates to Frame	6	45	567976	GRILLE	1
17	568075	COVER — R. H.	1	46	547416	LAMP ASSY, Backup (Inc. 46A, 46B) ..	2
18	568975	PANEL, Cockpit	1	46A	946389	†RETAINER & FRAME ASSY	2
19	4E-06	LKWSHR, Panel to Cockpit	3	46B	551245	†SEALED UNIT	2
20	18C-616	BOLT, Panel to Cockpit	3	47	568358	PLATE, Grille Side — L. H.	1
21	18C-616	BOLT, Side Plate to Tapped Block	1	48	50D-10	NUT, Backup Light to Grille	6
22	4E-06	LKWSHR, Side Plate to Tapped Block	1	49	18D-06	NUT, Hood to Grille Side Plate	2
23	656672	WASHER, Side Plate to Tapped Block	1	50	619021	WASHER, Hood to Grille Side Plate	4
24	17C-620	BOLT, Mounting Plate to Frame	6	51	18C-632	BOLT, Hood to Grille Side Plate	2
25	4E-06	LKWSHR, Mounting Plate to Frame	6	52	18D-06	NUT, Side Plate to Frame	2
26	656672	WASHER, Mounting Plate to Frame	6	53	656672	WASHER, Side Plate to Frame	2
27	568071	PLATE, Mounting	1	54	18C-624	BOLT, Side Plate to Frame	2
28	18C-624	BOLT, Hood to Frame	2	55	568748	PLATE, Side	1
29	619021	WASHER, Hood to Frame	4				

†Not Illustrated

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



HOOD, SHROUDS AND GRILLE - CUMMINS
For Serial: 8AFC101 Thru 9AFC999

TS-6912-P

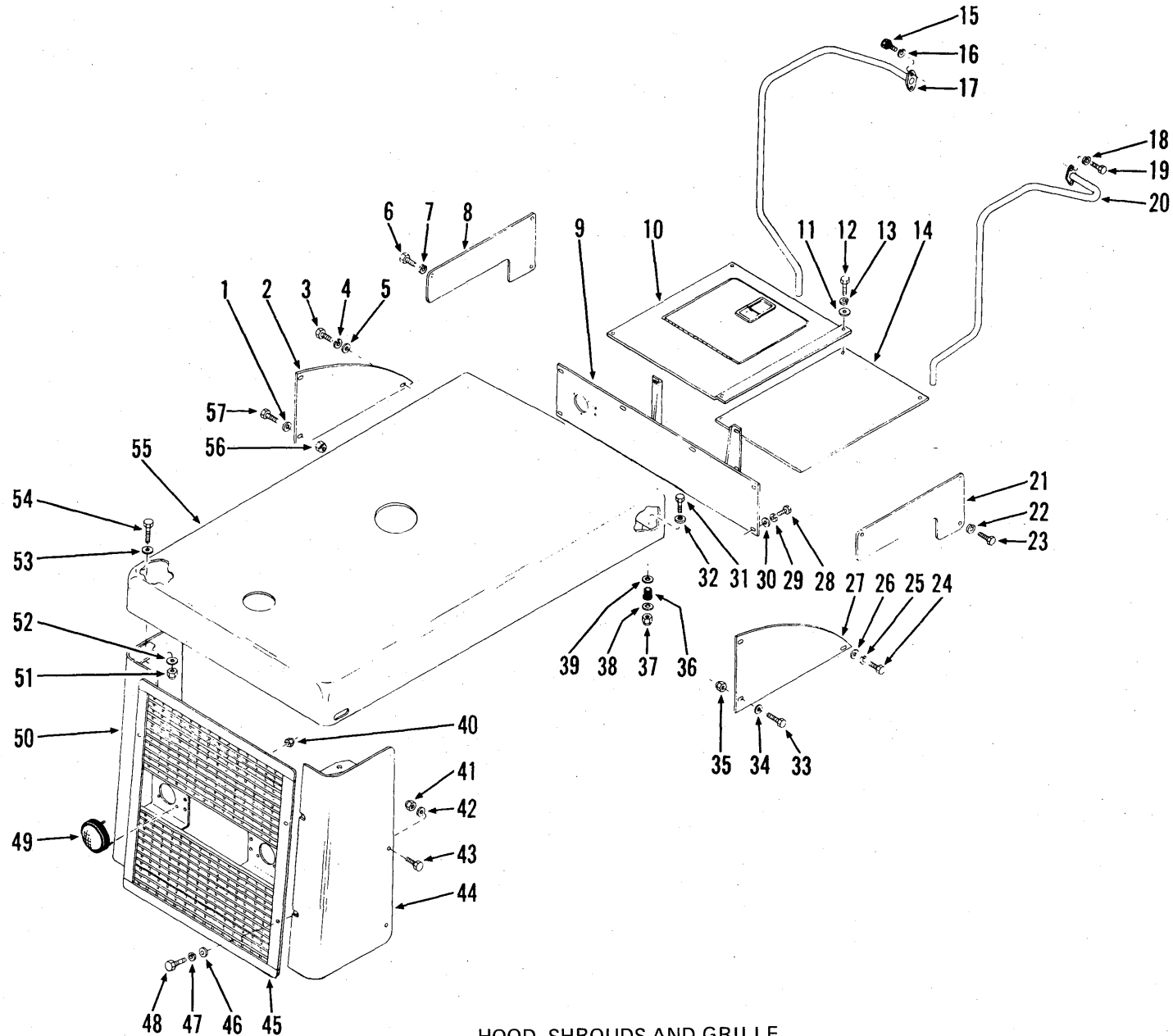
HOOD, SHROUDS AND GRILLE — CUMMINS

For Serial: 8AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-616	BOLT, Side Plate to Tapped Block	1	31	619021	WASHER, Hood to Frame	2
2	4E-06	LKWSHR, Side Plate to Tapped Block ..	1	32	18D-06	NUT, Hood to Frame	2
3	656672	WASHER, Side Plate to Tapped Block	1	33	18C-624	BOLT, Side Plate to Frame	2
4	18C-616	BOLT, Panel to Cockpit	3	34	656672	WASHER, Side Plate to Frame	2
5	4E-06	LKWSHR, Panel to Cockpit	3	35	568748	PLATE, Side	1
6	568975	PANEL, Cockpit	1	36	18D-06	NUT, Side Plate to Frame	2
7	568076	COVER ASSY — L.H.	1	37	573016	HOOD	1
8	569394	RAIL, Hand — L.H.	1	38	18D-12	NUT, Grille Side Plate to Frame	4
9	17C-616	BOLT, Hand Rail to Cockpit	2	39	-----	OMIT, Not applicable this model	—
10	4E-06	LKWSHR, Hand Rail to Cockpit	2	40	18C-1236	BOLT, Grille Side Plate to Frame	4
11	569392	RAIL, Hand — R.H.	1	41	568359	PLATE, Grille Side — R.H.	1
12	4E-06	LKWSHR, Hand Rail to Cockpit	2	41A	18C-832	† BOLT, Grille Side Plate to Frame	2
13	17C-616	BOLT, Hand Rail to Cockpit	2	41B	619029	† WASHER, Grille Side Plate to Frame ..	2
14	17C-620	BOLT, Cover Plates to Frame	6	41C	18D-08	† NUT, Grille Side Plate to Frame	2
15	4E-06	LKWSHR, Cover Plates to Frame	6	42	18C-824	BOLT, Grille to Side Plate	4
16	656672	WASHER, Cover Plates to Frame	6	43	4E-08	LKWSHR, Grille to Side Plate	4
17	568075	COVER — R.H.	1	44	635682	WASHER, Grille to Side Plate	4
18	568975	PANEL, Cockpit	1	45	567976	GRILLE	1
19	4E-06	LKWSHR, Panel to Cockpit	3	46	547416	LAMP ASSY, Backup (Inc. 46A, 46B) ..	2
20	18C-616	BOLT, Panel to Cockpit	3	46A	946389	† RETAINER & FRAME ASSY	2
21	18C-616	BOLT, Side Plate to Tapped Block	1	46B	551245	† SEALED UNIT, Back-Up Lamp	2
22	4E-06	LKWSHR, Side Plate to Tapped Block	1	47	568358	PLATE, Grille Side — L.H.	1
23	656672	WASHER, Side Plate to Tapped Block	1	48	50D-10	NUT, Backup Light to Grille	6
24	17C-620	BOLT, Mounting Plate to Frame	6	49	18D-06	NUT, Hood to Grille Side Plate	2
25	4E-06	LKWSHR, Mounting Plate to Frame	6	50	619021	WASHER, Hood to Grille Side Plate	4
26	656672	WASHER, Mounting Plate to Frame	6	51	18C-632	BOLT, Hood to Grille Side Plate	2
27	568071	PLATE, Air Cleaner Mounting	1	52	18D-06	NUT, Side Plate to Frame	2
28	18C-624	BOLT, Hood to Frame	2	53	656672	WASHER, Side Plate to Frame	2
29	619021	WASHER, Hood to Frame	4	54	18C-624	BOLT, Side Plate to Frame	2
30	568276	DAMPENER, Vibration	2	55	568748	PLATE, Side	1

†Not Illustrated

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



HOOD, SHROUDS AND GRILLE
For Serial: Cummins - 10AFC101 & after. G.M. - 11AFG101 & after

TS-8002-P

HOOD, SHROUDS AND GRILLE
For Serial: Cummins — 10AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	656672	WASHER, Side Plate to Frame	2	35	18D-06	NUT, Side Plate to Frame.....	2
2	568748	PLATE, Side	1	36	568276	DAMPENER, Vibration.....	2
3	18C-616	BOLT, Side Plate to Tapped Block	1	37	18D-06	NUT, Hood to Frame.....	2
4	4E-06	LKWSHR, Side Plate to Tapped Block	1	38	619021	WASHER, Hood to Frame.....	2
5	656672	WASHER, Side Plate to Tapped Block	1	39	619021	WASHER, Hood to Frame	2
6	18C-616	BOLT, Panel to Cockpit	3	40	50D-10	NUT, Back-Up Light to Grille	6
7	4E-06	LKWSHR, Panel to Cockpit	3	41	18D-12	NUT, Grille Side Plate to Frame	4
8	568975	PANEL, Cockpit	1	42	-----	OMIT, Not Applicable this Model.....	—
9	1530006	PLATE, Air Cleaner Mounting	1	43	18C-1236	BOLT, Grille Side Plate to Frame	4
10	568076	COVER ASSY — L.H.	1	44	568359	PLATE, Grille Side — R.H.	1
11	656672	WASHER, Cover Plates to Frame	6	44A	18C-832	†BOLT, Grille Side Plate to Frame	1
12	17C-620	BOLT, Cover Plates to Frame	6	44B	619029	†WASHER, Grille Side Plate to Frame	1
13	4E-06	LKWSHR, Cover Plates to Frame	6	44C	18D-08	†NUT, Grille Side Plate to Frame.....	1
14	568075	COVER — R.H.	1	45	567976	GRILLE.....	1
15	17C-616	BOLT, Hand Rail to Cockpit	2	46	635682	WASHER, Grille to Side Plate.....	4
16	4E-06	LKWSHR, Hand Rail to Cockpit	2	47	4E-08	LKWSHR, Grille to Side Plate	4
17	569394	RAIL, Hand — L.H.	1	48	18C-824	BOLT, Grille to Side Plate	4
18	4E-06	LKWSHR, Hand Rail to Cockpit	2	49	547416	LAMP ASSY, Back-Up (Inc. 49A, 49B) 2	
19	17C-616	BOLT, Hand Rail to Cockpit	2	49A	946389	†RETAINER & FRAME ASSY.....	2
20	569392	RAIL, Hand — R.H.	1	49B	551245	†SEALED, UNIT, Back-Up Lamp.....	2
21	568975	PANEL, Cockpit	1	50	568358	PLATE, Grille Side — L.H.	1
22	4E-06	LKWSHR, Panel to Cockpit	3	50A	18C-832	†BOLT, Grille Side Plate to Frame.....	1
23	18C-616	BOLT, Panel to Cockpit	3	50B	619029	†WASHER, Grille Side Plate to Frame	1
24	18C-616	BOLT, Side Plate to Tapped Block	1	50C	18D-08	†NUT, Grille Side Plate to Frame	1
25	4E-06	LKWSHR, Side Plate to Tapped Block	1	51	18D-06	NUT, Hood to Grille Side Plate.....	2
26	656672	WASHER, Side Plate to Tapped Block	1	52	619021	WASHER, Hood to Grille Side Plate	2
27	568748	PLATE, Side	1	53	619021	WASHER, Hood to Griller Side Plate	2
28	17C-620	BOLT, Mounting Plate to Frame	6	54	18C-632	BOLT, Hood to Grille Side Plate.....	2
29	4E-06	LKWSHR, Mounting Plate to Frame	6	55		<i>HOOD</i>	
30	656672	WASHER, Mounting Plate to Frame	6	55A	1530010	For Cummins 10AFC101-10AFC999	1
31	18C-624	BOLT, Hood to Frame	2	55B	1536644	For Cummins 11AFC101 and after	1
32	619021	WASHER, Hood to Frame	2	55C	1530824	For G.M. 11AFG101 and after	1
33	18C-624	BOLT, Side Plate to Frame	2	56	18D-06	NUT, Side Plate to Frame	2
34	656672	WASHER, Side Plate to Frame	2	57	18C-624	BOLT, Side Plate to Frame.....	2

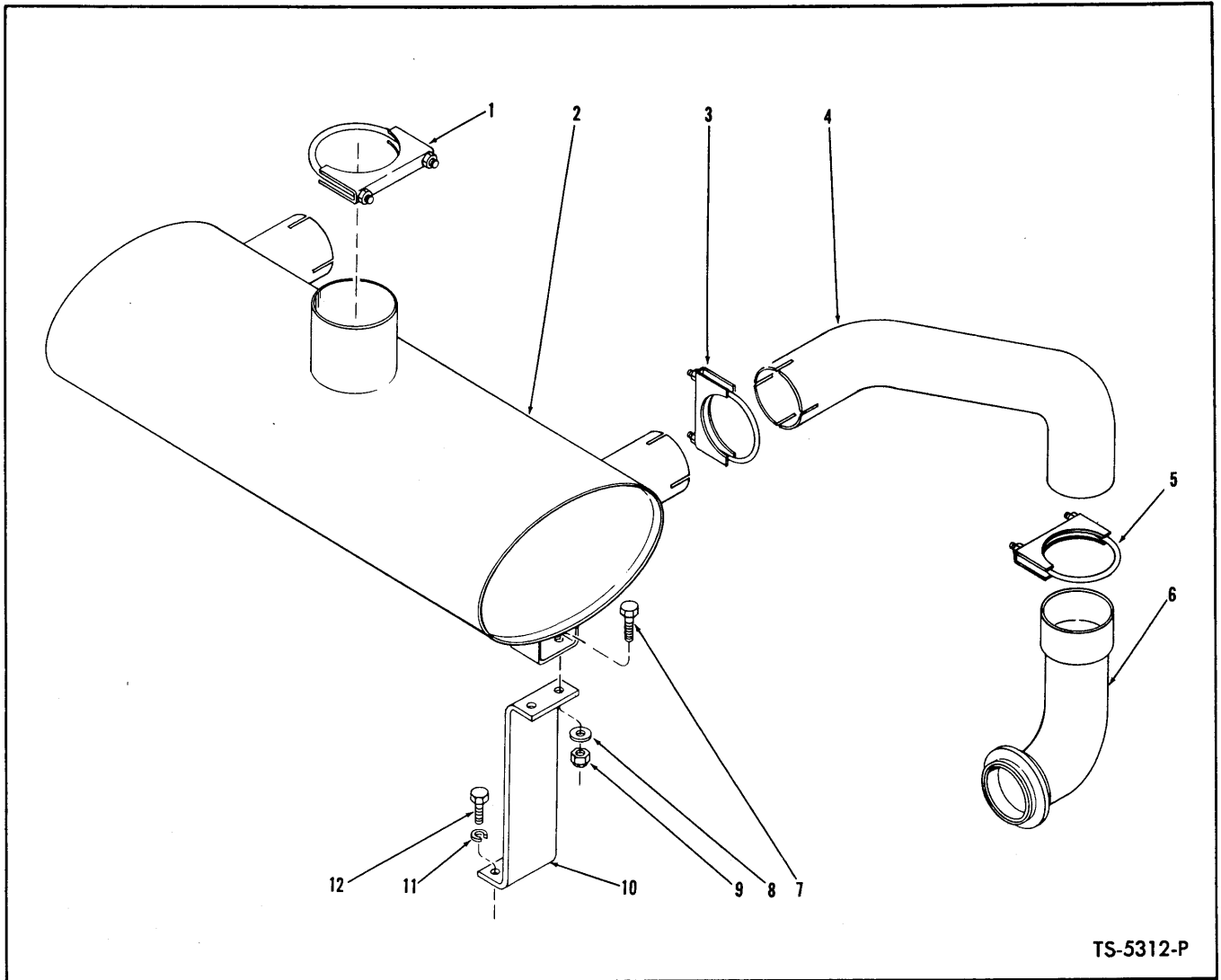
†Not Illustrated

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

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C

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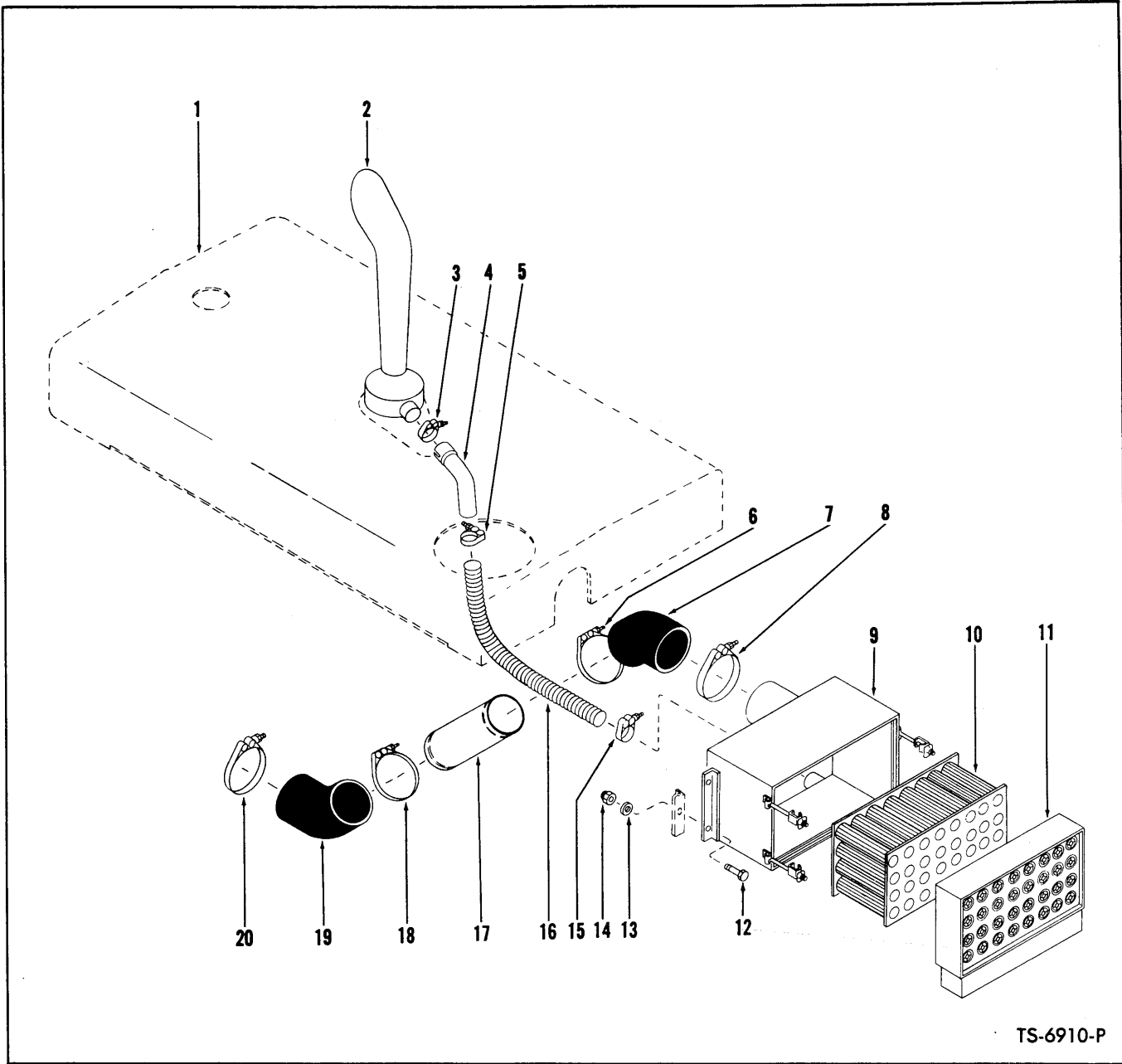


TS-5312-P

MUFFLER AND CONNECTIONS — CUMMINS
For Serial: 7AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.
1	542908	CLAMP, Muffler	1
2	542836	MUFFLER	1
3	580282	CLAMP, Tube to Muffler	2
4	573009	TUBE, Exhaust Manifold	2
5	580282	CLAMP, Tube to Stem Assy	2
6	568931	STEM ASSY, Exhaust — R.H.	1
6A	556464	STEM ASSY, Exhaust — L.H.	1
7	18C-620	BOLT, Muffler to Mounting Bracket	4
8	656672	WASHER, Muffler to Mounting Bracket	4
9	18D-06	NUT, Muffler to Mounting Bracket	4
10	556934	BRACKET, Muffler Mounting	2
11	4E-06	LKWSHR, Bracket to Engine	4
12	17C-616	BOLT, Bracket to Engine	4

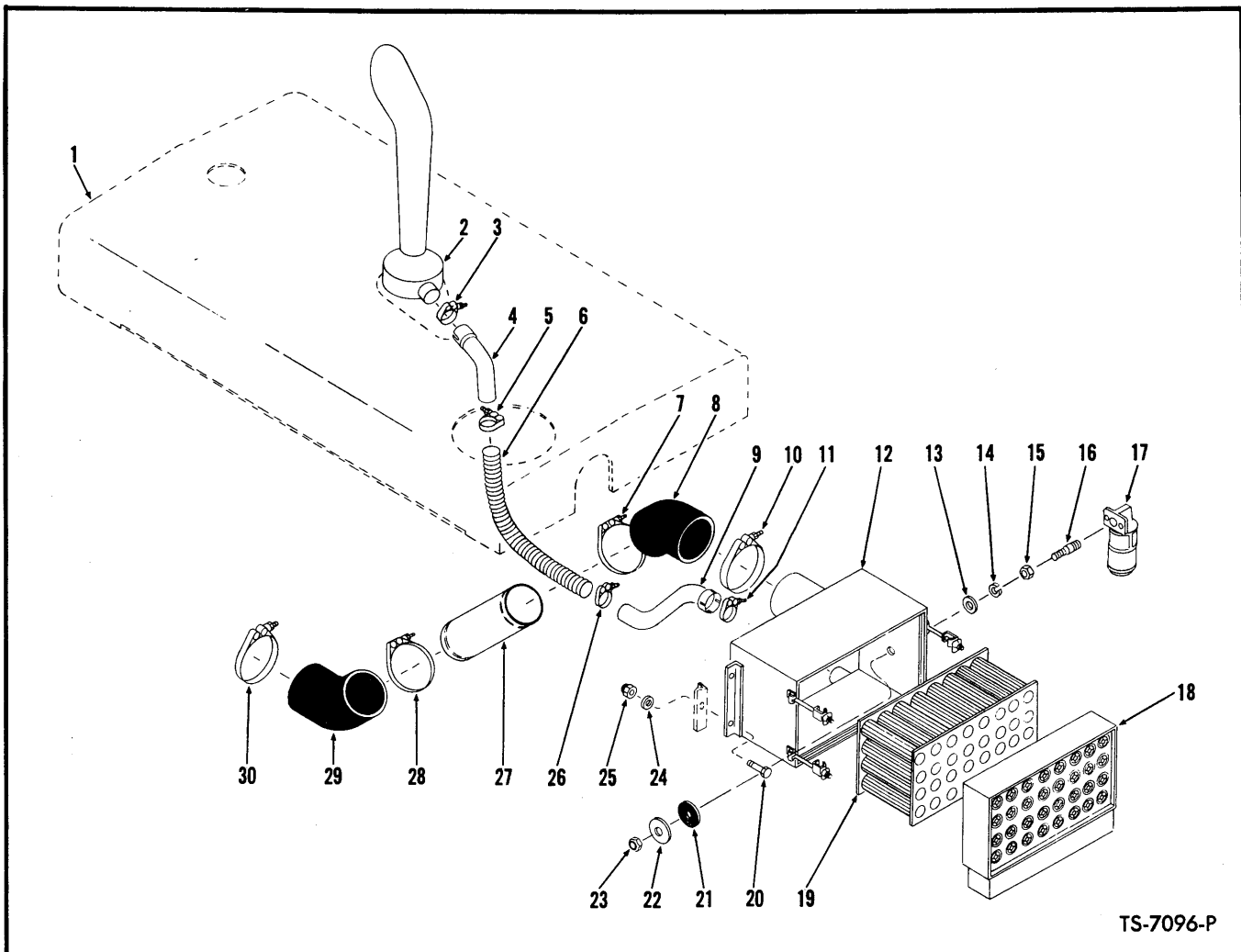
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AIR CLEANER AND CONNECTIONS — CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1520052	AIR CLEANER ASSY (Inc. 2, 9 thru 11)	1	11	573007	PANEL, Rotonamic Precleaner	1
1	—	HOOD — See Index	—	12	18C-620	BOLT, Air Cleaner to Bracket	4
2	573015	ASPIRATOR, Exhaust	1	13	656672	WASHER, Air Cleaner to Bracket	4
3	540128	CLAMP, Tube	1	14	18D-06	NUT, Air Cleaner to Bracket	4
4	573005	TUBE, Aspirator to Metal Hose	1	15	540128	CLAMP, Metal Hose to Air Cleaner	1
5	540128	CLAMP, Tube to Metal Hose	1	16	1522562	METAL HOSE, Precleaner to Aspirator	1
6	540797	CLAMP, Hose to Tube	1	17	1520055	TUBE, Air Intake	1
7	513865	HOSE, Air Cleaner to Air Intake Tube	1	18	540797	CLAMP, Hose to Tube	1
8	540797	CLAMP, Hose to Air Cleaner	1	19	513865	HOSE, Air Intake	1
9	573012	HOUSING, Air Cleaner	1	20	540797	CLAMP, Hose	1
10	946266	CARTRIDGE, Pamic Filter	1				

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



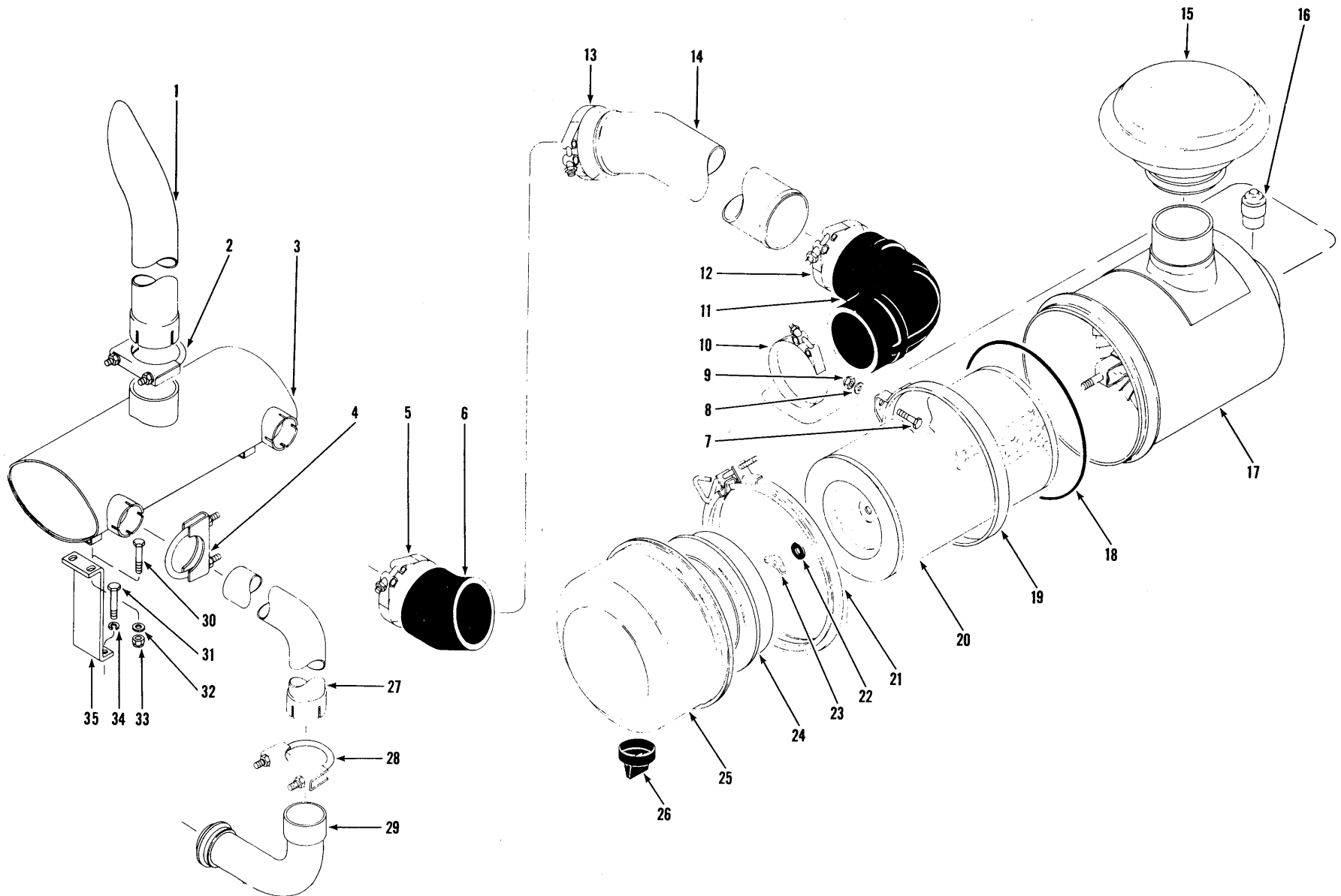
TS-7096-P

AIR CLEANER, INDICATOR AND CONNECTIONS — CUMMINS
For Serial: 8AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1520052	AIR CLEANER ASSY (Inc. 2, 12, 18, 19)	1	15	8D-06	NUT, Adapter to Housing	1
B	564968	ADAPTER KIT, Indicator (Inc. 13 thru 16, 21 thru 23)	1	16	946293	ADAPTER, Indicator to Housing	1
1	—	HOOD — See Index	—	17	893638	INDICATOR, Air Service	1
2	573015	ASPIRATOR, Exhaust	1	18	573007	PANEL, Rotonamic Precleaner	1
3	540128	CLAMP, Tube to Aspirator	1	19	946266	CARTRIDGE, Pamic Filter	1
4	573005	TUBE, Aspirator to Metal Hose	1	20	18C-620	BOLT, Air Cleaner Mounting	4
5	540128	CLAMP, Tube to Metal Hose	1	21	946294	GASKET, Adapter to Housing	1
6	—	*METAL HOSE, Precleaner to Aspirator	1	22	581742	WASHER, Adapter to Housing	1
7	540797	CLAMP, Hose to Tube	1	23	18D-06	NUT, Adapter to Housing	1
8	513865	HOSE, Air Cleaner to Air Intake Tube	1	24	656672	WASHER, Air Cleaner Mounting	4
9	—	*TUBE, Metal Hose to Precleaner	1	25	18D-06	NUT, Air Cleaner Mounting	4
10	540797	CLAMP, Hose to Air Cleaner	1	26	540128	CLAMP, Metal Hose to Tube	1
11	540128	CLAMP, Tube to Precleaner	1	27	1520055	TUBE, Air Intake	1
12	573012	HOUSING, Air Cleaner	1	28	540797	CLAMP, Hose to Tube	1
13	850818	WASHER, Adapter to Housing	1	29	513865	HOSE, Air Intake	1
14	4E-06	LKWSHR, Adapter to Housing	1	30	540797	CLAMP, Hose	1

*NOTE: When replacement is necessary for items 6 or 9 order one (1) 1522562 Metal Hose, Aspirator Tube to Housing.

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



MUFFLER, TAILPIPE, AIR CLEANER AND CONNECTIONS – CUMMINS
For Serial: 10AFC101 & after

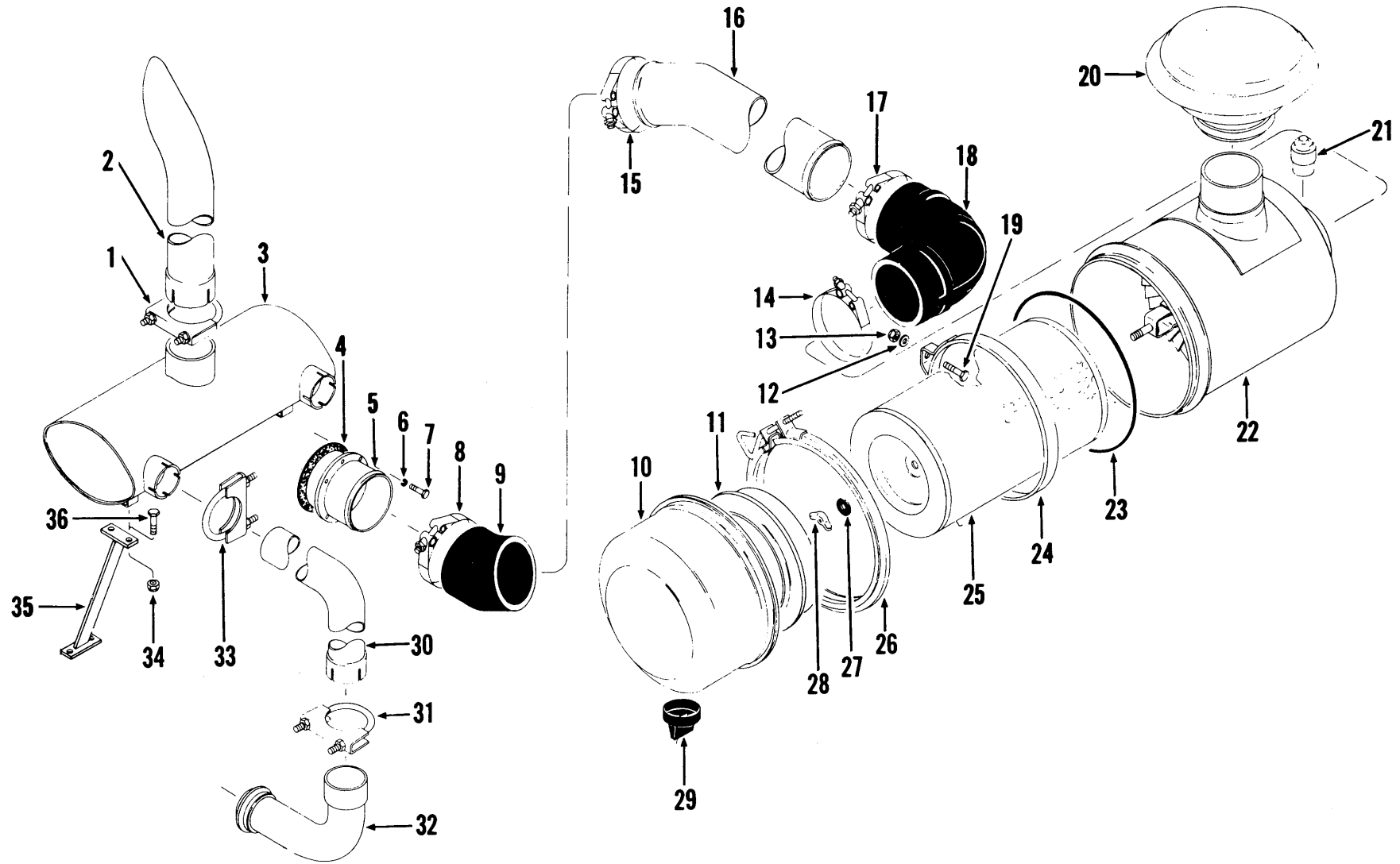
TS-8108-P

MUFFLER, TAILPIPE, AIR CLEANER AND CONNECTIONS — CUMMINS
For Serial: 10AFC101 and after

Item No.	Part No.	Description	No. Req'd.
1	542907	PIPE, Tail	1
2	542908	CLAMP, Tail Pipe to Muffler	1
3	542836	MUFFLER	1
4	580282	CLAMP, Pipe to Muffler	2
5	540797	CLAMP, Hose to Air Intake	1
6	513865	HOSE, Air Intake — 45°	1
7	18C-620	BOLT, Air Cleaner to Bracket	4
8	656672	WASHER, Air Cleaner to Bracket	4
9	18D-06	NUT, Air Cleaner to Bracket	4
10	1500793	CLAMP, Hose to Air Cleaner	1
11	1529315	HOSE, Air Intake — 90°	1
12	1500793	CLAMP, Hose to Tube	1
13	540797	CLAMP, Hose to Tube	1
14	1530008	TUBE, Air Intake	1
15	1530002	CAP, Air Cleaner	1
16	1529625	INDICATOR, Air Cleaner Service	1
17	1530009	AIR CLEANER ASSY (Inc. 18, 20 thru 26)	1
18	944404	"O" RING, Cup to Body	1
19	1530004	BAND, Air Cleaner Mounting	2
20	946897	ELEMENT, Air Cleaner	1
21	944810	CLAMP, Air Cleaner Cup Mounting	1
22	886527	GASKET, Wing Nut	1
23	886526	WING NUT, Element Retaining	1
24	946898	BAFFLE, Cup	1
25	946899	CUP, Air Cleaner	1
26	946860	VACULATOR, Valve	1
27	573009	PIPE, Exhaust Manifold	2
28	580282	CLAMP, Pipe to Stem	2
29		STEM, Exhaust	
29A	568931	RIGHT HAND	1
29B	556464	†LEFT HAND	1
30	18C-620	BOLT, Muffler to Bracket	4
31	17C-616	BOLT, Bracket Mounting	4
32	656672	WASHER, Muffler to Bracket	4
33	18D-06	NUT, Muffler to Bracket	4
34	4E-06	LKWSHR, Bracket Mounting	4
35	556934	BRACKET, Muffler Mounting	2

†Not Illustrated

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



MUFFLER, TAILPIPE, AIR CLEANER AND CONNECTIONS — G.M.

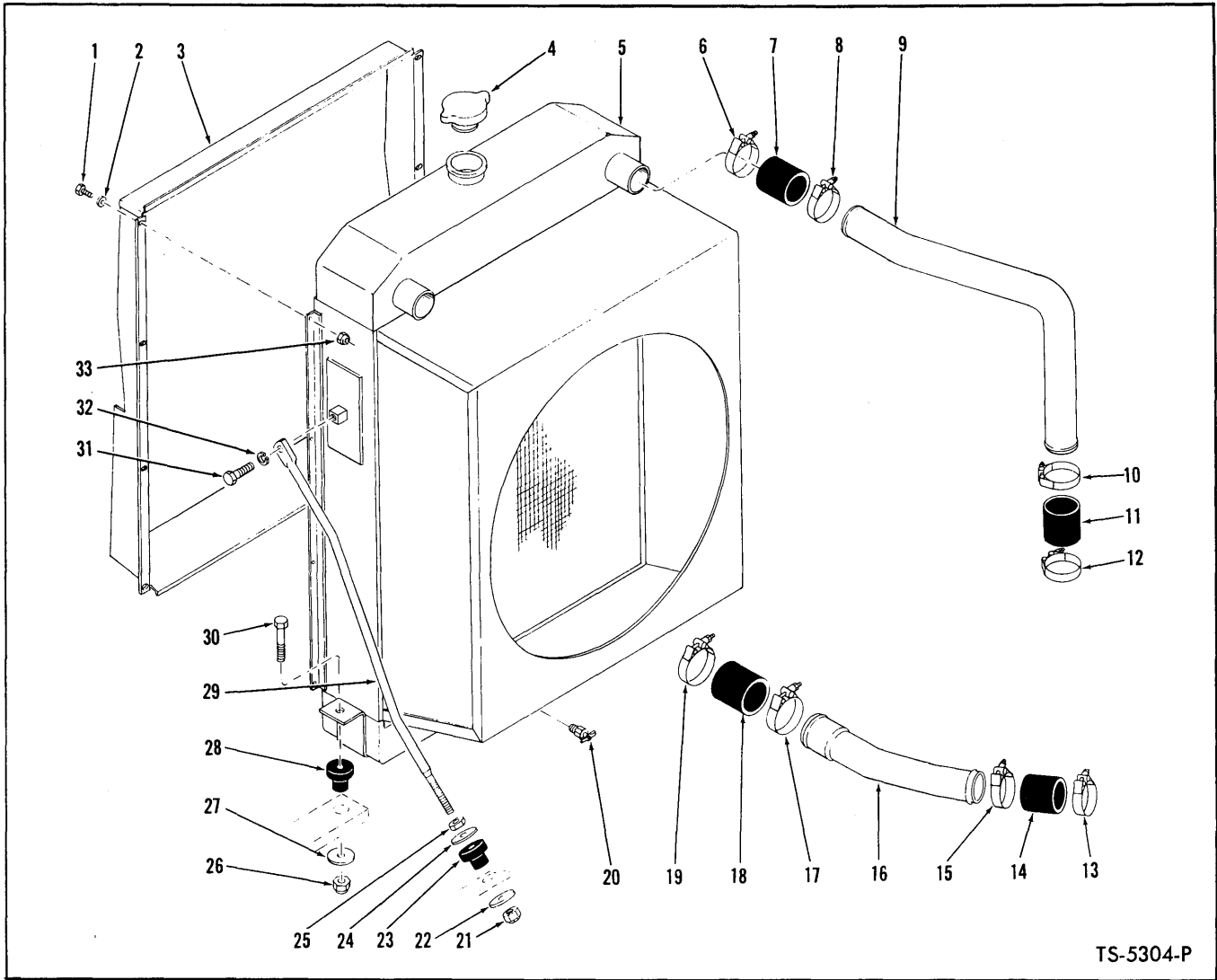
TS-8808-P

MUFFLER, TAILPIPE, AIR CLEANER AND CONNECTIONS — G.M.

Item No.	Part No.	Description	No. Req'd.
1	542908	CLAMP, Tail Pipe to Muffler	1
2	542907	PIPE, Tail	1
3	542836	MUFFLER	1
4	533286	GASKET, Adapter to Engine	1
5	1529298	ADAPTER, Air Intake to Engine	1
6	4E-06	LKWSHR, Adapter to Engine	6
7	17C-616	BOLT, Adapter to Engine	6
8	1500793	CLAMP, Hose to Adapter	1
9	1529295	HOSE, Air Intake — 45°	1
10	946899	CUP, Air Cleaner	1
11	946898	BAFFLE, Cup	1
12	656672	WASHER, Air Cleaner to Bracket	4
13	18D-06	NUT, Air Cleaner to Bracket	4
14	1500793	CLAMP, Hose to Air Cleaner	1
15	1500793	CLAMP, Hose to Tube	1
16	1530822	TUBE, Air Intake	1
17	1500793	CLAMP, Hose to Tube	1
18	1529315	HOSE, Air Intake — 90°	1
19	18C-620	BOLT, Air Cleaner to Bracket	4
20	1530002	CAP, Air Cleaner	1
21	1529625	INDICATOR, Air Cleaner Service	1
22	1530009	AIR CLEANER ASSY (Inc. 10, 11, 23, 25 thru 29)	1
23	944404	O-RING, Cup to Body	1
24	1530004	BAND, Air Cleaner Mounting	2
25	946897	ELEMENT, Air Cleaner	1
26	944810	CLAMP, Cup Mounting	1
27	886527	GASKET, Wing Nut	1
28	886526	WING NUT, Element Retaining	1
29	946860	VACULATOR, Valve	1
30	566449	PIPE, Exhaust Manifold	2
31	580282	CLAMP, Pipe to Stem	2
32		STEM, Exhaust	
32A	542998	RIGHT HAND	1
32B	542999	†LEFT HAND	1
33	580282	CLAMP, Pipe to Muffler	2
34	18D-06	NUT, Muffler to Support	4
35		SUPPORT, Muffler Mounting	
35A	543002	RIGHT HAND	1
35B	543003	†LEFT HAND	1
36	18C-616	BOLT, Muffler to Support	4
37	17C-656	†BOLT, Muffler Support to Engine	4

†Not Illustrated

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



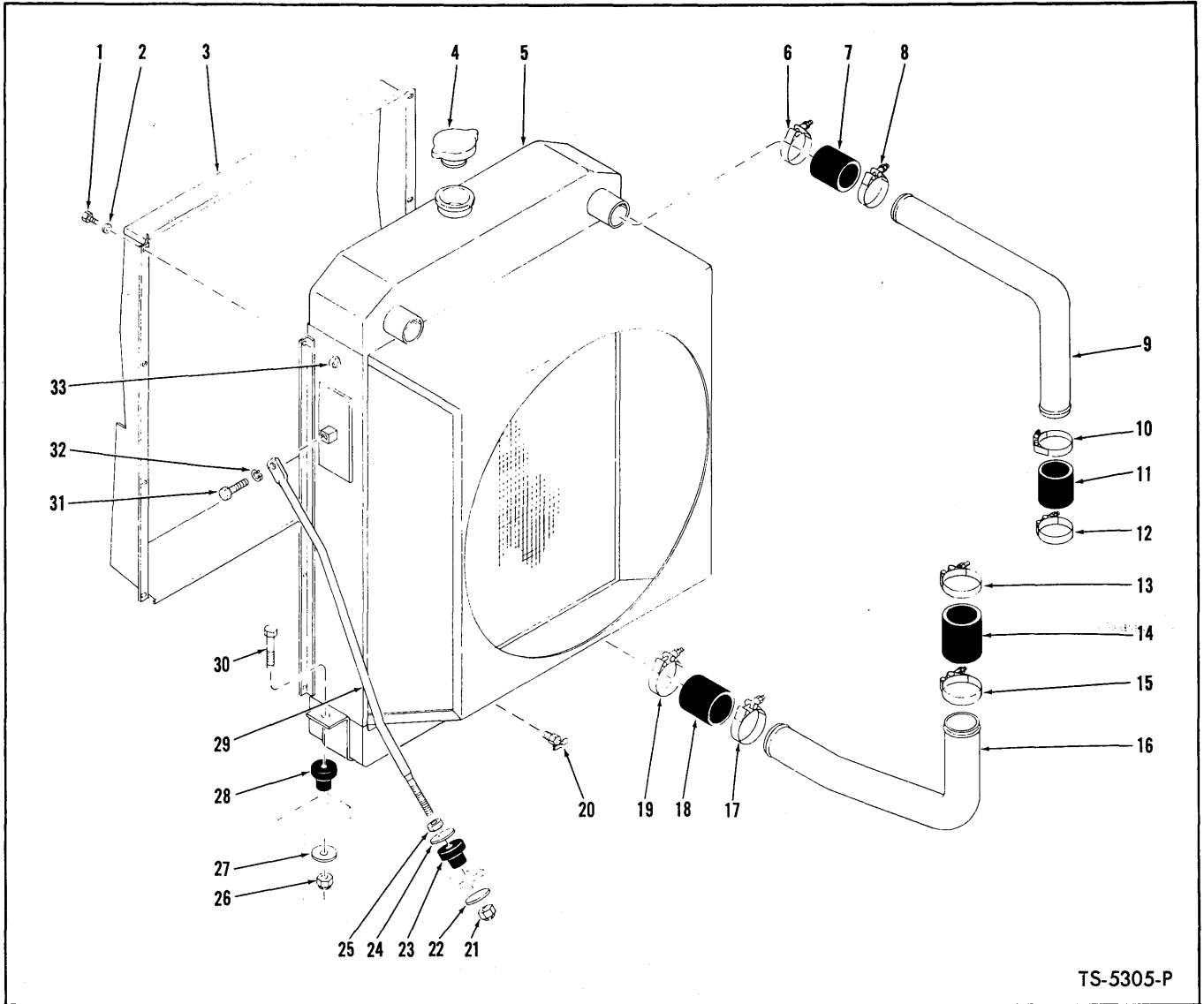
TS-5304-P

RADIATOR AND CONNECTIONS — CUMMINS
For Serial: 7AFC101 thru 12AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-412	BOLT, Shroud Mtg.	8	15	540104	CLAMP, Hose to Tube	1
2	25E-13	WASHER, Shroud Mtg.	8	16	573006	TUBE, Lower Radiator	1
3	568081	SHROUD, Radiator	1	17	540105	CLAMP, Hose to Tube	1
4	863364	CAP, Radiator	1	18	1M-22044	HOSE, Tube to Radiator	1
5	573004	RADIATOR (Inc. 4, 5A)	1	19	540105	CLAMP, Hose to Radiator ...	1
5A	946413	†SHROUD, Radiator Fan	1	20	72F-2	DRAIN COCK	1
6	540104	CLAMP, Hose to Radiator ...	2	21	18D-08	NUT, Support to Frame	2
7	1M-18032	HOSE, Tube to Radiator	2	22	616796	WASHER, Support Mtg.	2
8	540104	CLAMP, Hose to Tube	2	23	569739	DAMPENER, Vibration	2
9		TUBE, Upper Radiator		24	616796	WASHER, Support Mtg.	2
9A	573010	LEFT HAND	1	25	8D-08	NUT, Support to Frame	2
9B	573011	†RIGHT HAND	1	26	18D-08	NUT, Radiator to Frame	2
10	540104	CLAMP, Hose to Tube	2	27	616796	WASHER, Radiator Mtg.	2
11	1M-18032	HOSE, Tube to Engine	2	28	569739	DAMPENER, Vibration	2
12	540104	CLAMP, Hose to Engine	2	29	570717	SUPPORT, Radiator	2
13	540104	CLAMP, Hose to Engine	1	30	18C-844	BOLT, Radiator to Frame	2
14	1M-18032	HOSE, Tube to Engine	1	31	18C-820	BOLT, Support Mtg.	2
				32	4E-08	LKWSHR, Support Mtg.	2
				33	18D-04	NUT, Shroud to Radiator	8

†Not Illustrated

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



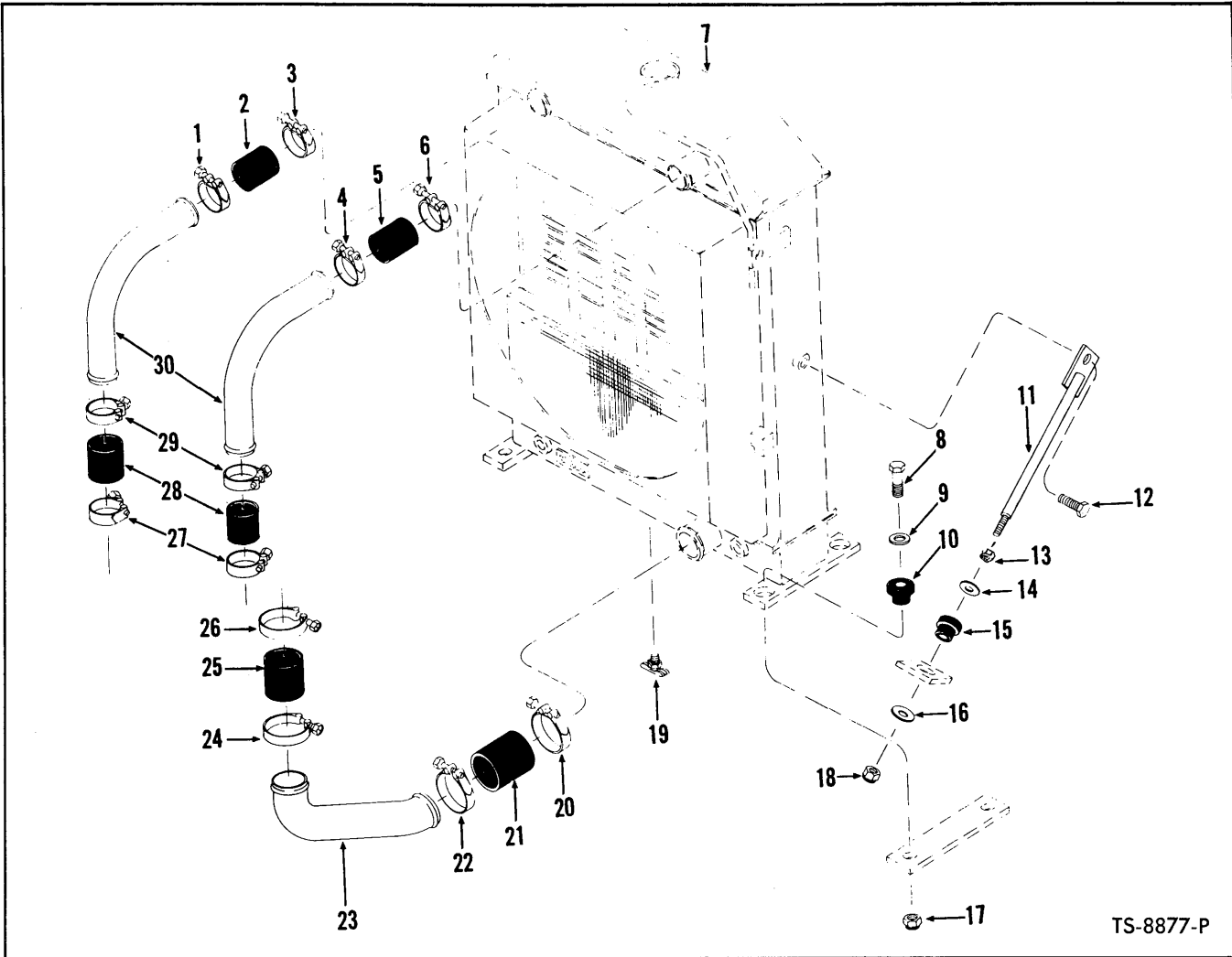
TS-5305-P

**RADIATOR AND CONNECTIONS – G.M.
For Serial: 11AFG101 thru 11AFG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-412	BOLT, Shroud to Rad.	8	17	540105	CLAMP, Hose to Tube	1
2	25E-13	WASHER, Shroud	8	18	1M-22044	HOSE, Tube to Rad.	1
3	568081	SHROUD, Radiator	1	19	540105	CLAMP, Hose to Rad.	1
4	863364	CAP, Radiator	1	20	72F-2	DRAIN COCK	1
5	566460	RADIATOR (Inc. 4, 5A)	1	21	18D-08	NUT, Support to Frame	2
5A	946493	†SHROUD, Rad. Fan	1	22	616796	WASHER, Support	2
6	540104	CLAMP, Hose to Rad.	2	23	569739	DAMPENER, Vibration	2
7	1M-18032	HOSE, Tube to Rad.	2	24	616796	WASHER, Support	2
8	540104	CLAMP, Hose to Tube	2	25	8D-08	NUT, Support to Frame	2
9	566462	TUBE, Upper Radiator	2	26	18D-08	NUT, Rad. to Frame	2
10	540104	CLAMP, Hose to Tube	2	27	616796	WASHER, Support	2
11	1M-18032	HOSE, Tube to Engine	2	28	569739	DAMPENER, Vibration	2
12	540104	CLAMP, Hose to Engine	2	29	570717	SUPPORT, Radiator	2
13	540105	CLAMP, Hose to Engine	1	30	18C-844	BOLT, Rad. to Frame	2
14	1M-22044	HOSE, Tube to Engine	1	31	18C-820	BOLT, Support to Rad.	2
15	540105	CLAMP, Hose to Tube	1	32	4E-08	LKWSHR, Support	2
16	566463	TUBE, Lower Radiator	1	33	18D-04	NUT, Shroud to Rad.	8

†Not Illustrated

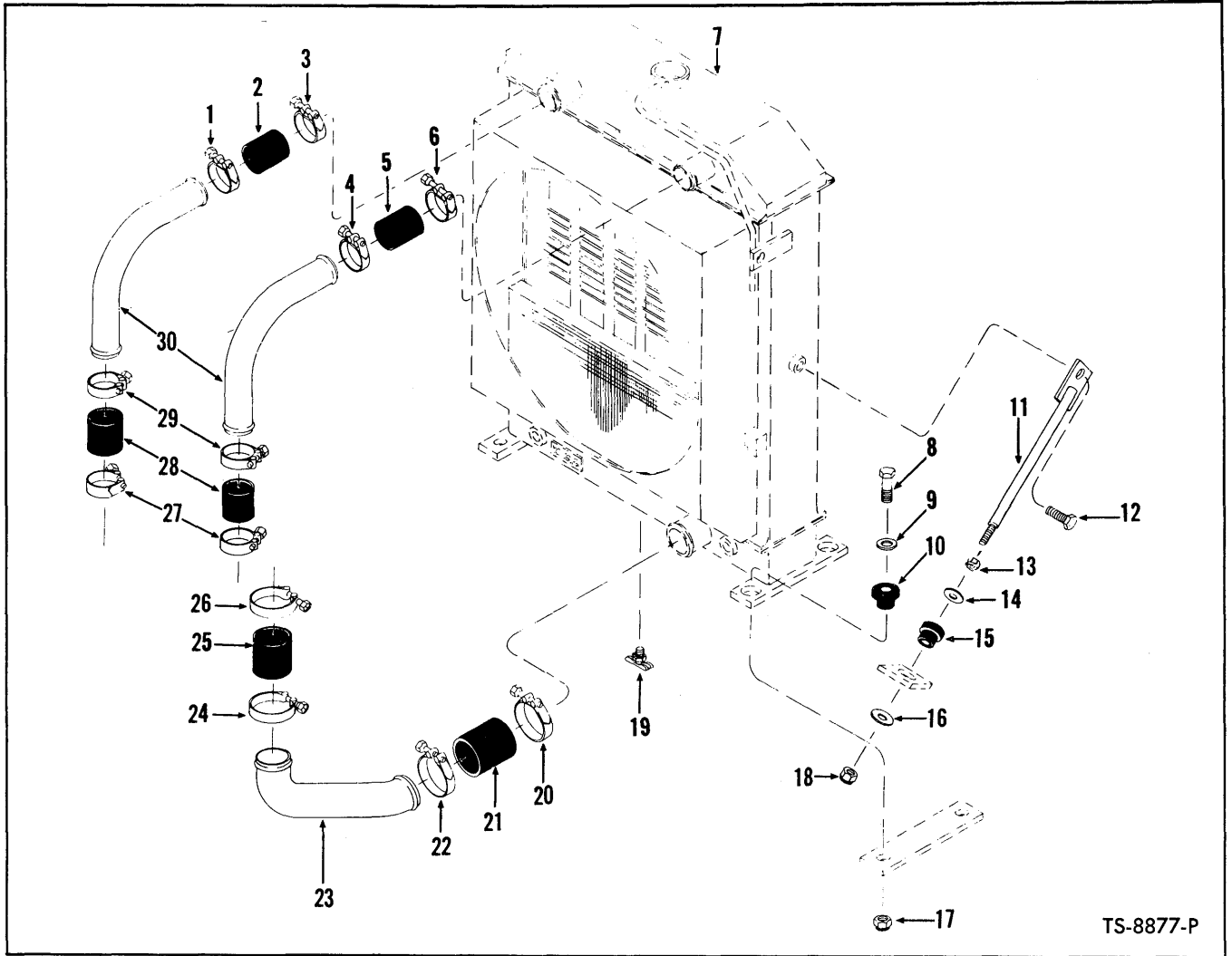
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



RADIATOR CONNECTIONS — CUMMINS
For Serial: 13AFC101 thru 13AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	540104	CLAMP, Hose to Tube	1	17	18D-10	NUT, Rad. Mtg.	4
2	1M-18032	HOSE, Tube to Rad.	1	18	18D-08	NUT, Support Rod	2
3	540104	CLAMP, Hose to Rad.	1	19	72F-2	DRAIN COCK	1
4	540104	CLAMP, Hose to Tube	1	20	540105	CLAMP, Hose to Rad.	1
5	1M-18032	HOSE, Tube to Rad.	1	21	1M-22044	HOSE, Tube to Rad.	1
6	540104	CLAMP, Hose to Rad.	1	22	540105	CLAMP, Hose to Tube	1
7	-----	RADIATOR ASSY — See Index	—	23	573006	TUBE, Rad. to Engine	1
8	24C-1060	BOLT, Rad. Mtg.	4	24	540104	CLAMP, Hose to Tube	1
9	569070	WASHER, Rad. Mtg.	4	25	1M-18032	HOSE, Tube to Engine	1
10	1527276	DAMPENER, Vibration	4	26	540104	CLAMP, Hose to Engine	1
11	1504085	ROD, Support	2	27	540104	CLAMP, Hose to Engine	2
12	24C-812	BOLT, Support Rod	2	28	1M-18040	HOSE, Tube to Engine	2
13	8D-08	NUT, Support Rod	2	29	540104	CLAMP, Hose to Tube	2
14	616796	WASHER, Support Rod	2	30	1504086	TUBE, Rad. to Engine — R.H. ...	1
15	569739	DAMPENER, Vibration	2	30A	1504087	TUBE, Rad. to Engine — L.H. ...	1
16	616796	WASHER, Support Rod	2				

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

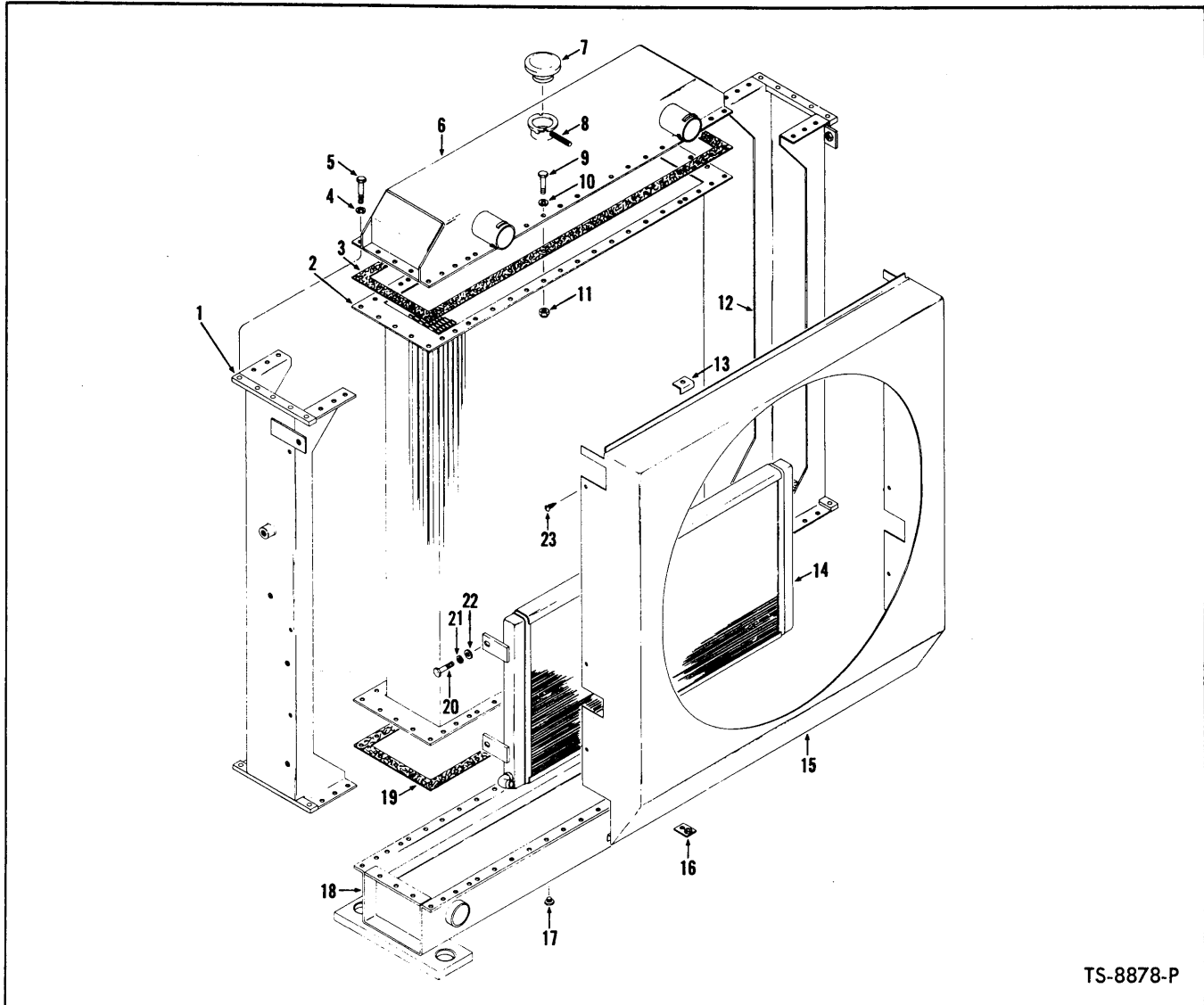


TS-8877-P

RADIATOR CONNECTIONS — G.M.
For Serial: 12AFG101 thru 12AFG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	540104	CLAMP, Hose to Tube	1	16	616796	WASHER, Support Rod	2
2	1M-18032	HOSE, Tube to Rad.	1	17	18D-10	NUT, Rad. Mtg.	4
3	540104	CLAMP, Hose to Rad.	1	18	18D-08	NUT, Support Rod	2
4	540104	CLAMP, Hose to Tube	1	19	72F-2	DRAIN COCK	1
5	1M-18032	HOSE, Tube to Rad.	1	20	540105	CLAMP, Hose to Rad.	1
6	540104	CLAMP, Hose to Rad.	1	21	1M-22044	HOSE, Tube to Rad.	1
7	-----	RADIATOR ASSY — See Index	—	22	540105	CLAMP, Hose to Tube	1
8	24C-1060	BOLT, Rad. Mtg.	4	23	566463	TUBE, Rad. to Engine	1
9	569070	WASHER, Rad. Mtg.	4	24	540105	CLAMP, Hose to Tube	1
10	1527276	DAMPENER, Vibration	4	25	1M-22044	HOSE, Tube to Engine	1
11	1504085	ROD, Support	2	26	540105	CLAMP, Hose to Engine	1
12	24C-812	BOLT, Support Rod	2	27	540104	CLAMP, Hose to Engine	2
13	8D-08	NUT, Support Rod	2	28	1M-18032	HOSE, Tube to Engine	2
14	616796	WASHER, Support Rod	2	29	540104	CLAMP, Hose to Tube	2
15	569739	DAMPENER, Vibration	2	30	1504030	TUBE, Rad. to Engine	2

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



TS-8878-P

RADIATOR ASSEMBLY

**For Serial: Cummins — 13AFC101 and after
G.M. — 12AFG101 and after**

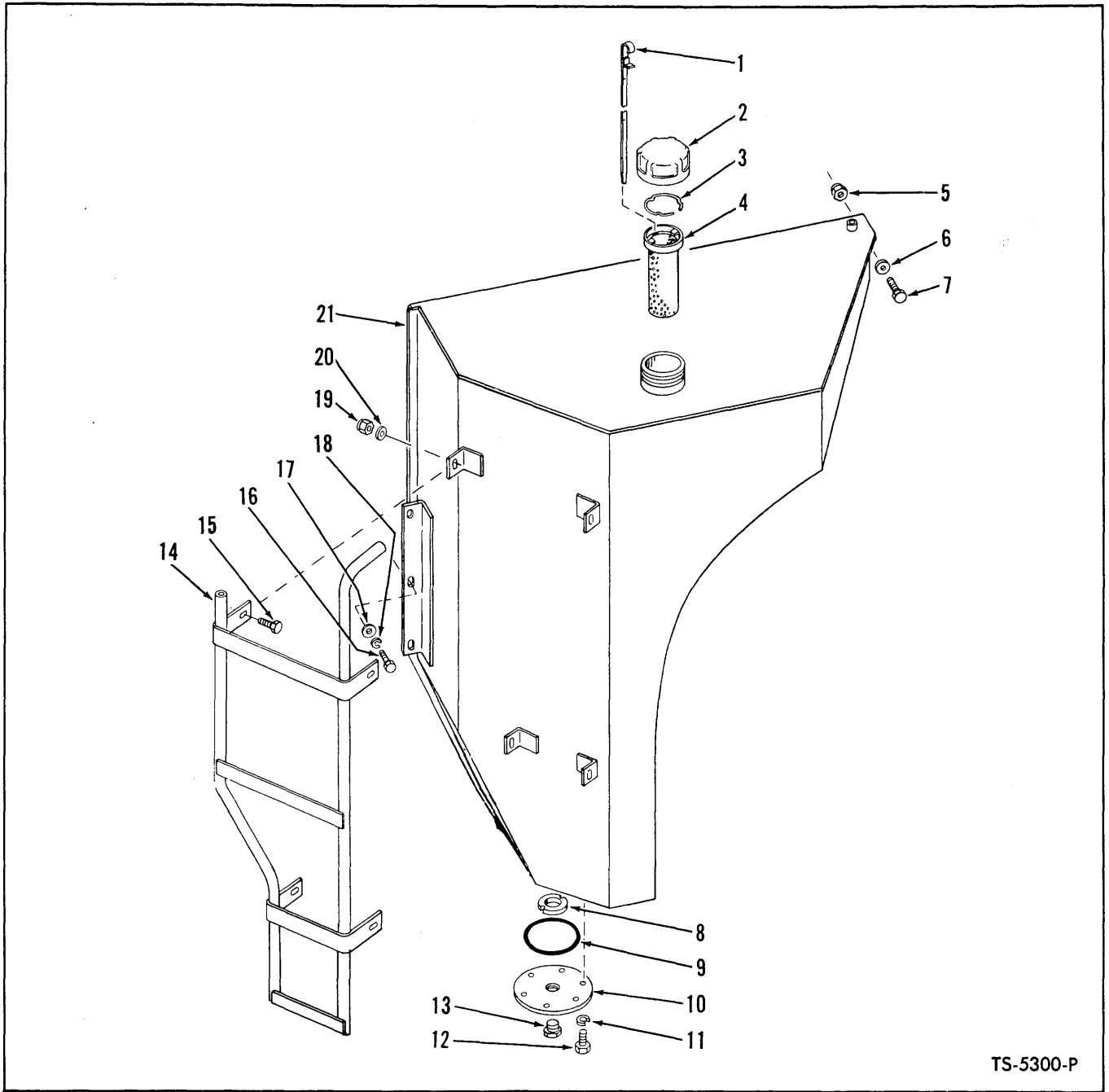
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1504076	*RADIATOR ASSY (Inc. 1 thru 23)	1	13	947812	CLIP, Shroud	2
B	1504077	**RADIATOR ASSY (Inc. 1 thru 23)	1	14	947878	COOLER, Oil	1
1	947876	SIDE MEMBER — R.H.	1	15		FAN SHROUD	
2	947877	CORE, Radiator	1	15A	947882	*For Cummins Powered	1
3	944632	GASKET, Top Tank	3	15B	947960	**For G.M. Powered	1
4	4E-05	LKWSHR, Tanks to Core	20	16	947813	CLIP, Shroud	2
5	1C-512	BOLT, Tanks to Core	20	17	34F-04	PLUG	1
6	947874	TOP TANK	1	18	1507696	BOTTOM TANK	1
7	863364	CAP, Radiator	1	19	944632	GASKET, Bottom Tank	3
8	947881	HOSE, Overflow	1	20	1C-612	BOLT, Cooler Mtg.	4
9	1C-514	BOLT, Tanks to Core	72	20A	1D-06	†NUT, Cooler Mtg.	4
10	4E-05	LKWSHR, Tanks to Core	72	21	—	OMIT, Not Used	—
11	1D-05	NUT, Tanks to Core	72	22	947879	WASHER, Cooler Mtg.	4
12	947875	SIDE MEMBER — L.H.	1	23	89G-408	SCREW, Fan Shroud	8

†Not Illustrated

*NOTE: For Serial — 13AFC101 thru 13AFC999.

**NOTE: For Serial — 12AFG101 thru 12AFG999.

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



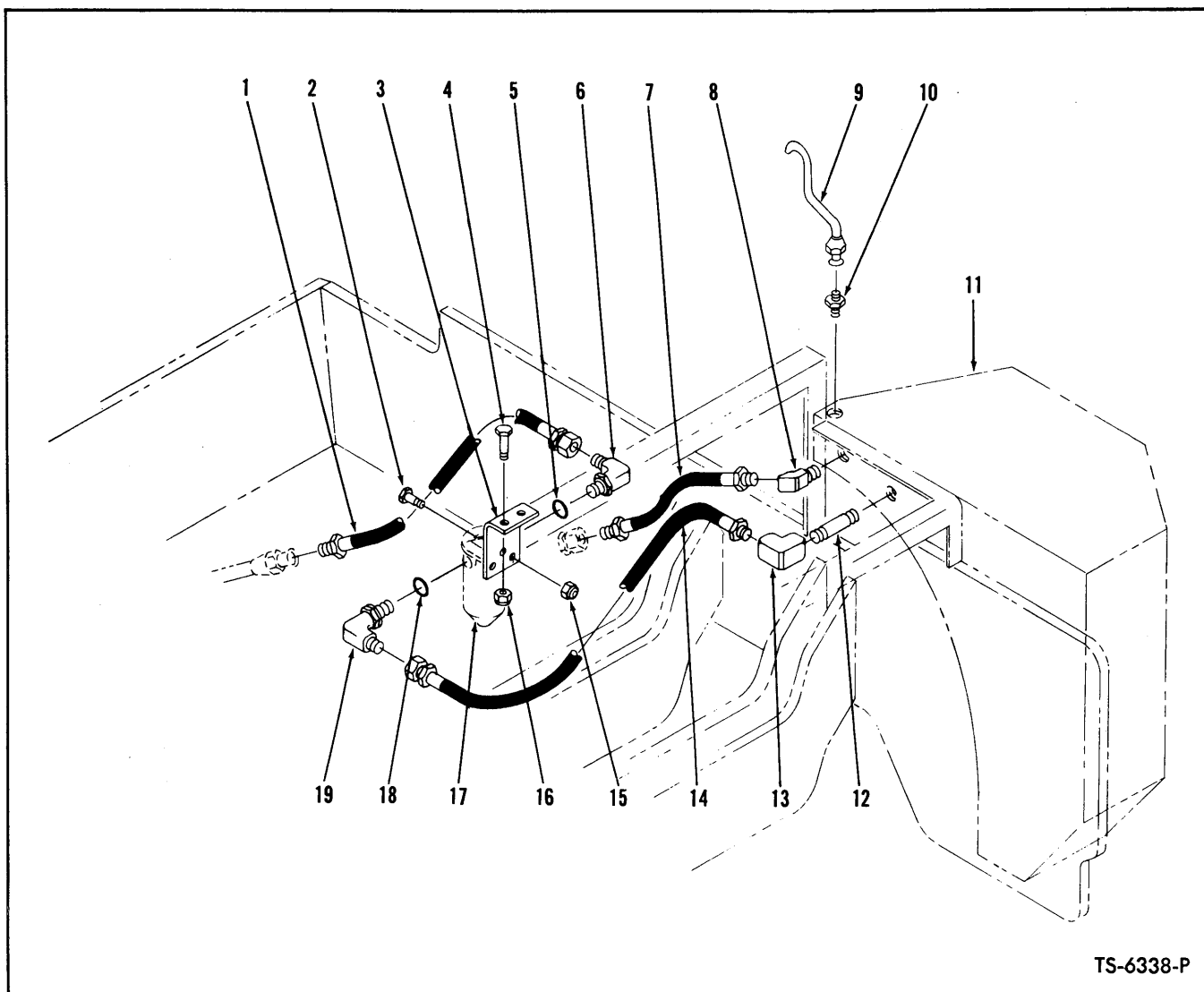
TS-5300-P

FUEL TANK—CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	568722	DIPSTICK, Fuel Tank.....	1	11	4E-06	LKWSHR, Plate to Fuel Tank.....	6
2	1558644	CAP, Filler.....	1	12	18C-612	BOLT, Plate to Fuel Tank.....	6
2A	946953	†GASKET, Fuel Cap.....	1	13	40K-16	PLUG, Pipe.....	1
2B	946954	†PLATE, Fuel Cap.....	1	14	572768	STEP ASSY.....	1
3	569914	RING, Screen Retaining.....	1	15	18C-824	BOLT, Step to Fuel Tank.....	4
4	943957	STRAINER, Fuel Tank.....	1	16	18C-1020	BOLT, Fuel Tank to Rear Frame.....	5
5	10D-10	NUT, Fuel Tank to Rear Frame.....	1	17	616800	WASHER, Fuel Tank to Rear Frame.....	5
6	616800	WASHER, Fuel Tank to Rear Frame.....	1	18	4E-10	LKWSHR, Fuel Tank to Rear Frame.....	5
7	18C-1028	BOLT, Fuel Tank to Rear Frame.....	1	19	18D-08	NUT, Step to Fuel Tank.....	4
8	525293	MAGNET, Fuel Tank.....	1	20	619029	WASHER, Step to Fuel Tank.....	8
9	25K-40428	"O" RING.....	1	21	568709	FUEL TANK ASSY.....	1
10	587613	PLATE, Cover.....	1				

†Not Illustrated

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

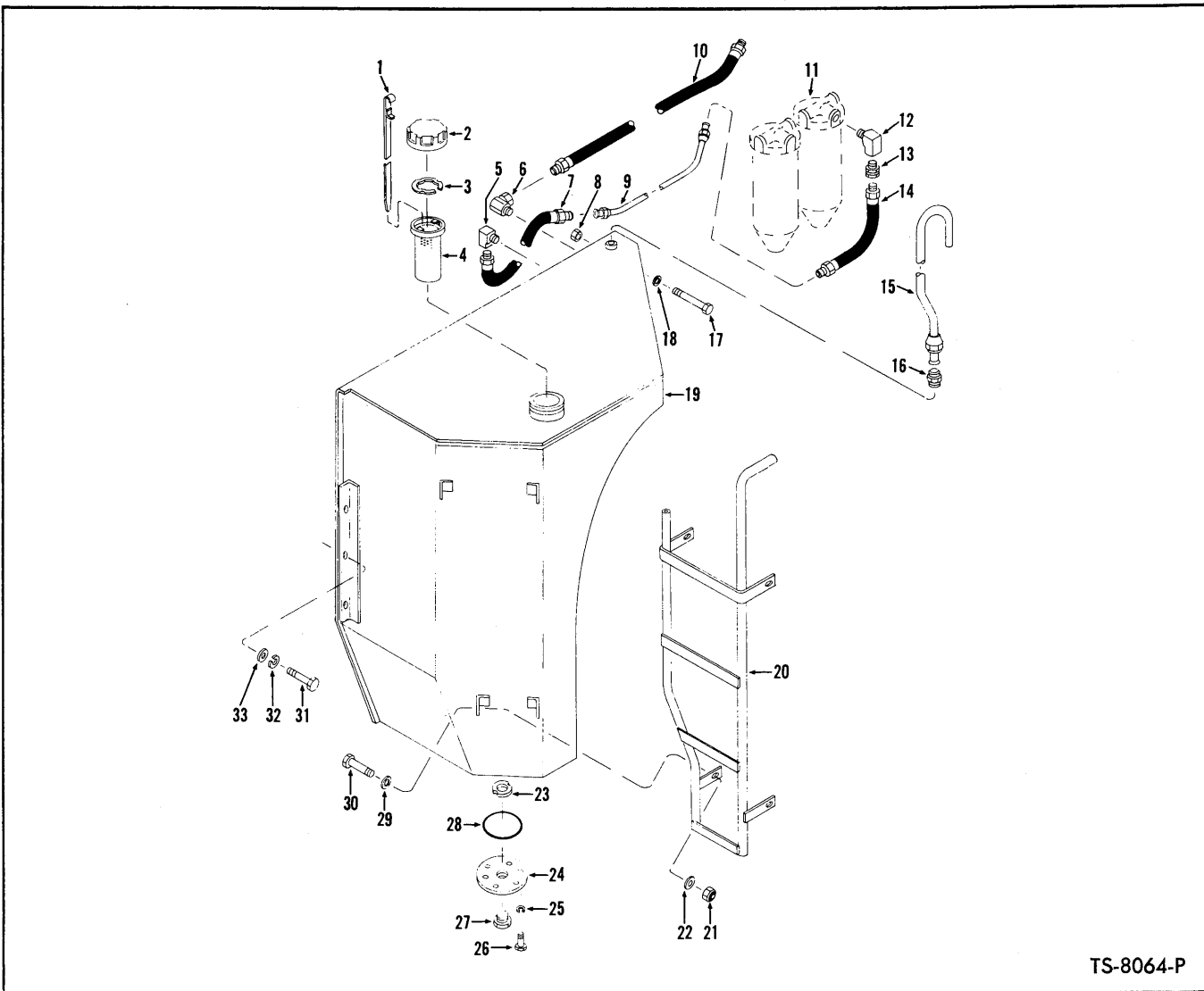


TS-6338-P

FUEL LINES — CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	533927	HOSE, Fuel Filter to Engine	1	11	———	FUEL TANK — See Index	—
2	18C-624	BOLT, Fuel Filter to Mounting Bracket	3	12	5K-424	NIPPLE, Elbow to Tank	1
3	568466	BRACKET, Fuel Filter Mounting	1	13	27F-3	ELBOW, Hose to Tank	1
4	18C-624	BOLT, Mounting Bracket to Engine	2	14	569228	HOSE, Fuel Tank to Fuel Filter	1
5	91F-7	“O” RING, Elbow	1	15	18D-06	NUT, Fuel Filter Mounting	3
6	17K-7	ELBOW, Hose to Fuel Filter (Inc. 5)	1	16	18D-06	NUT, Mounting Bracket to Engine	2
7	569229	HOSE, Engine to Tank	1	17	———	FUEL FILTER — See Engine Parts Manual	—
8	81F-2	ELBOW, Hose to Tank	1	18	91F-7	“O” RING, Elbow	1
9	572079	TUBE, Breather	1	19	17K-7	ELBOW, Hose to Filter (Inc. 18)	1
10	38F-4	CONNECTOR, Breather Tube to Tank	1				

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



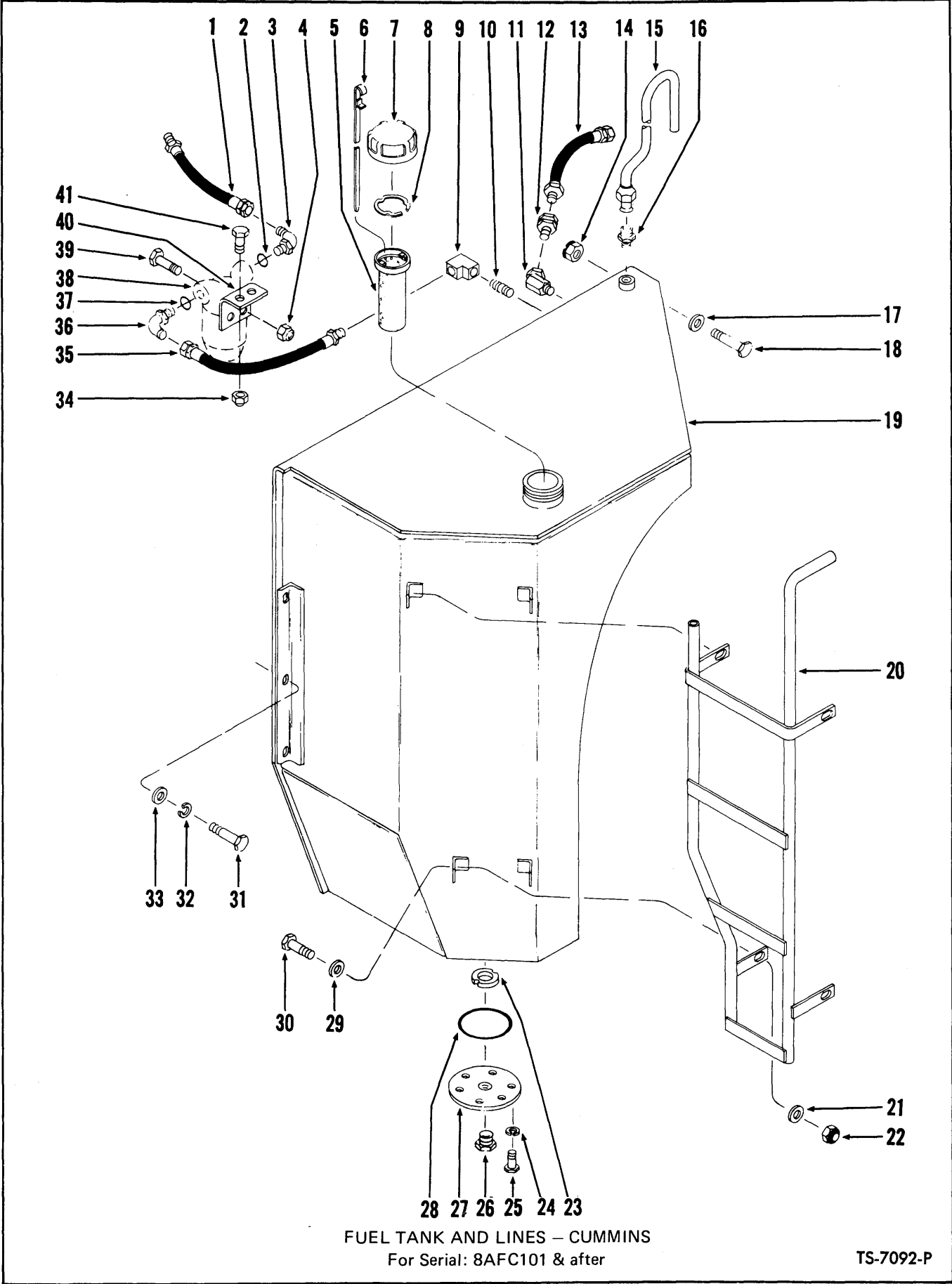
TS-8064-P

FUEL TANK AND LINES – G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	573434	DIPSTICK, Fuel Tank	1	16	38F-4	CONNECTOR, Tube	1
2	1558644	CAP, Filler	1	17	18C-1032	BOLT, Tank to Frame	1
2A	946953	†GASKET, Fuel Cap	1	18	616800	WASHER, Tank to Frame	1
2B	946954	†PLATE, Gasket Back-Up	1	19	1529182	TANK, Fuel	1
3	—	OMIT – Not Used	—	20	572768	STEP – L.H.	1
4	943957	SCREEN, Fuel Tank	1	21	18D-08	NUT, Step to Tank	4
5	29F-3	ELBOW, Hose to Tank	1	22	619029	WASHER, Step to Tank	4
6	33F-3	ADAPTER UNION	1	23	525293	MAGNET, Fuel Tank	1
7	540568	HOSE, Tube to Tank	1	24	587613	PLATE, Inspection	1
8	18D-10	NUT, Tank to Frame	1	25	4E-06	LKWSHR, Plate to Tank	6
9	1530821	TUBE, Suction	1	26	18C-612	BOLT, Plate to Tank	6
10	1531988	HOSE, Fuel Return	1	27	40K-16	PLUG, Drain	1
11	—	FUEL FILTERS — See G.M. Engine Parts Manual	—	28	25K-40428	O-RING, Plate to Tank	1
12	29F-2	ELBOW, Hose to Filter	1	29	619029	WASHER, Step to Tank	4
13	425413	CHECK VALVE	1	30	18C-828	BOLT, Step to Tank	4
14	1529677	HOSE, Tube to Filter	1	31	18C-1020	BOLT, Tank to Frame	5
15	572079	TUBE, Tank Breather	1	32	4E-10	LKWSHR, Tank to Frame	5
				33	616800	WASHER, Tank to Frame	5

†Not Illustrated

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



FUEL TANK AND LINES - CUMMINS
For Serial: 8AFC101 & after

TS-7092-P

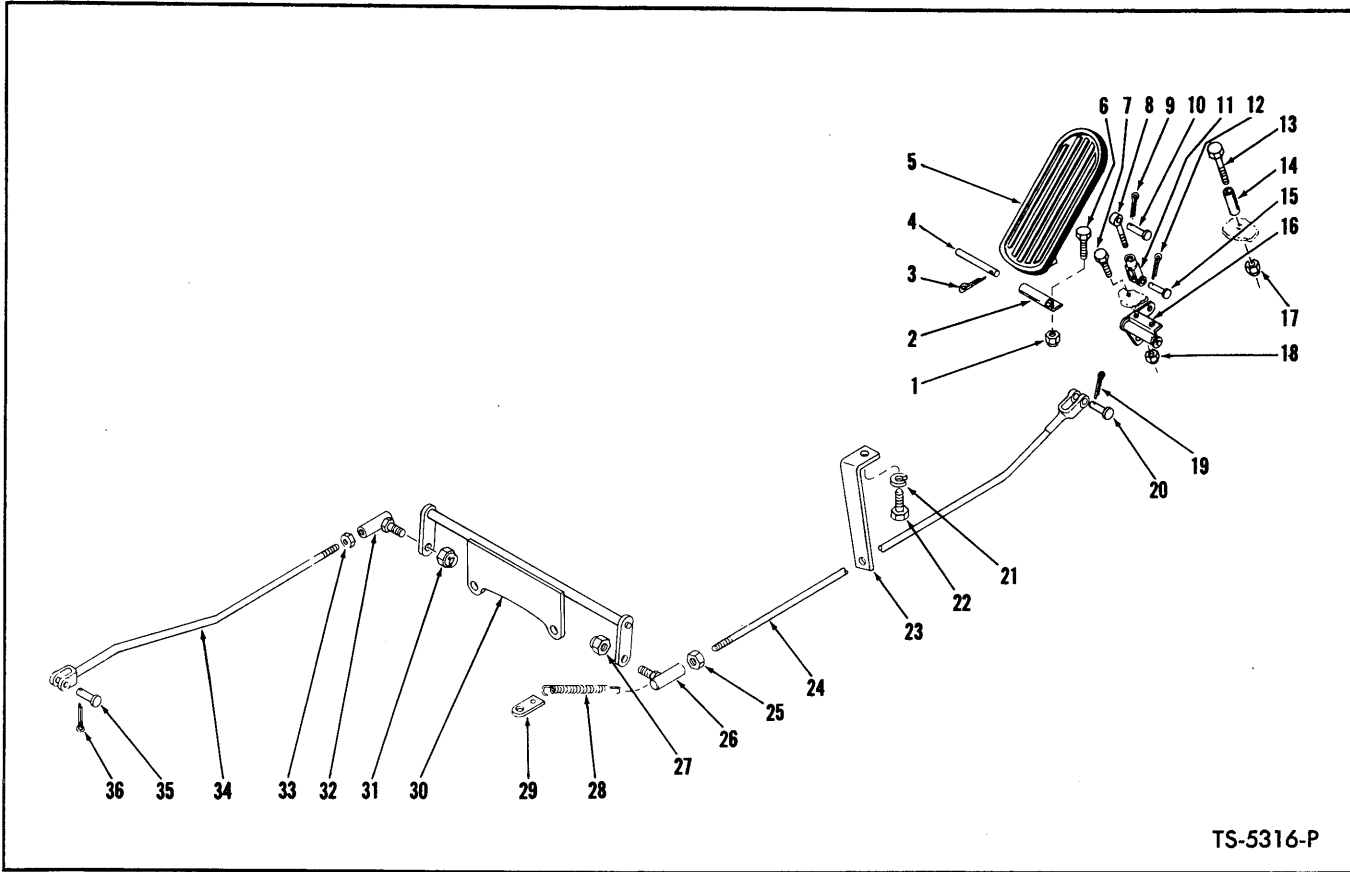
**FUEL TANK AND LINES – CUMMINS
For Serial: 8AFC101 and after**

Item No.	Part No.	Description	No. Req'd.
1	1522069	HOSE, Filter to Engine	1
2	91F-7	O-RING, Elbow	1
3	17K-7	ELBOW, Hose to Filter (Inc. 2)	1
4	18D-06	NUT, Filter to Bracket	3
5	943957	STRAINER, Fuel Tank	1
6	573434	DIPSTICK, Fuel Tank	1
7	1558644	CAP, Fuel Tank Filler.....	1
7A	946953	†GASKET, Fuel Cap	1
7B	946954	†PLATE, Cap Gasket Back-Up	1
8	-----	OMIT – Not used this application	—
9	27F-3	ELBOW, Hose to Tank	1
10	5K-424	NIPPLE, Fuel Tank	1
11	81F-2	ELBOW, Hose to Tank	1
12	425413	VALVE, Return Hose Check	1
13	569229	HOSE, Fuel Return	1
14	18D-10	NUT, Fuel Tank to Rear Frame	1
15	572079	TUBE, Fuel Tank Breather	1
16	38F-4	CONNECTOR, Tube to Tank	1
17	616800	WASHER, Fuel Tank to Rear Frame	1
18	18C-1032	BOLT, Fuel Tank to Rear Frame	1
19		FUEL TANK	1
19A	572776	For 8AFC101 thru 10AFC999.....	1
19B	1529182	For 11AFC101 & after	1
20	572768	STEP ASSY – L.H.	1
21	619029	WASHER, Step to Fuel Tank.....	4
22	18D-08	NUT, Step to Fuel Tank	4
23	525293	MAGNET, Fuel Tank	1
24	4E-06	LKWSHR, Inspection Plate to Tank.....	6
25	18C-612	BOLT, Inspection Plate to Tank	6
26	40K-16	PLUG, Drain	1
27	587613	PLATE, Fuel Tank Inspection.....	1
28	25K-40428	O-RING, Inspection Plate	1
29	619029	WASHER, Step to Fuel Tank	4
30	18C-828	BOLT, Step to Fuel Tank	4
31	18C-1020	BOLT, Fuel Tank to Rear Frame	5
32	4E-10	LKWSHR, Fuel Tank to Rear Frame.....	5
33	616800	WASHER, Fuel Tank to Rear Frame.....	5
34	18D-06	NUT, Bracket Mounting	2
35	569228	HOSE, Fuel Tank to Filter.....	1
36	17K-7	ELBOW, Hose to Filter (Inc. 37).....	1
37	91F-7	O-RING, Elbow	1
38	-----	*FUEL FILTER.....	—
39	18C-624	BOLT, Filter to Bracket.....	3
40	568466	BRACKET, Filter Mounting	1
41	18C-624	BOLT, Bracket Mounting.....	2

†Not Illustrated

*NOTE: These parts furnished with Engine. See your local authorized Cummins Engine Distributor for service and replacement of these parts.

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



TS-5316-P

ACCELERATOR PEDAL AND LINKAGE — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-04	NUT, Bracket to Cockpit.....	2	19	1F-208	COTTER, Clevis Pin	1
2	623760	BRACKET, Accelerator Pedal.....	1	20	4F-04051	PIN, Clevis	1
3	1F-316	COTTER.....	1	21	4E-06	LKWSHR, Support Angle Mounting ..	1
4	623762	PIN, Pedal to Bracket.....	1	22	18C-616	BOLT, Support Angle Mounting	1
5	623829	PEDAL, Accelerator.....	1	23	569151	ANGLE, Support	1
6	18C-416	BOLT, Bracket to Cockpit.....	2	24	569148	ROD, Accelerator (Inc. 23, 25, 26)	1
7	18C-416	BOLT, Bellcrank to Floorboard.....	2	25	8D-05	NUT, Ball Joint Jam	1
8	550619	ROD, Pedal to Bellcrank.....	1	26	1301361	BALL JOINT, Rod to Bellcrank	1
8A	8D-04	†NUT, Clevis Jam.....	1	27	66D-05	NUT, Ball Joint to Bellcrank	1
9	1F-208	COTTER, Clevis Pin	1	28	551090	SPRING, Throttle Return	1
10	4F-04051	PIN, Clevis.....	1	29	2509392	LUG, Throttle Return Spring	1
11	2J-4200	CLEVIS, Rod to Bellcrank.....	1	30	569144	BELLCRANK ASSY	1
12	1F-208	COTTER, Clevis Pin.....	1	31	66D-05	NUT, Ball Joint to Bellcrank	1
13	18C-448	BOLT, Stop to Floorboard.....	1	32	1301361	BALL JOINT, Rod to Bellcrank	1
14	551016	STOP, Pedal	1	33	8D-05	NUT, Ball Joint Jam	1
15	4F-04051	PIN, Clevis.....	1	34	1522084	ROD, Engine to Bellcrank (Inc. 32, 33)	1
16	568941	BELLCRANK.....	1	35	4F-05062	PIN, Clevis	1
17	18D-04	NUT, Bellcrank to Floorboard.....	1	36	1F-312	COTTER, Clevis Pin	1
18	18D-04	NUT, Bellcrank to Floorboard.....	2				

†Not Illustrated

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

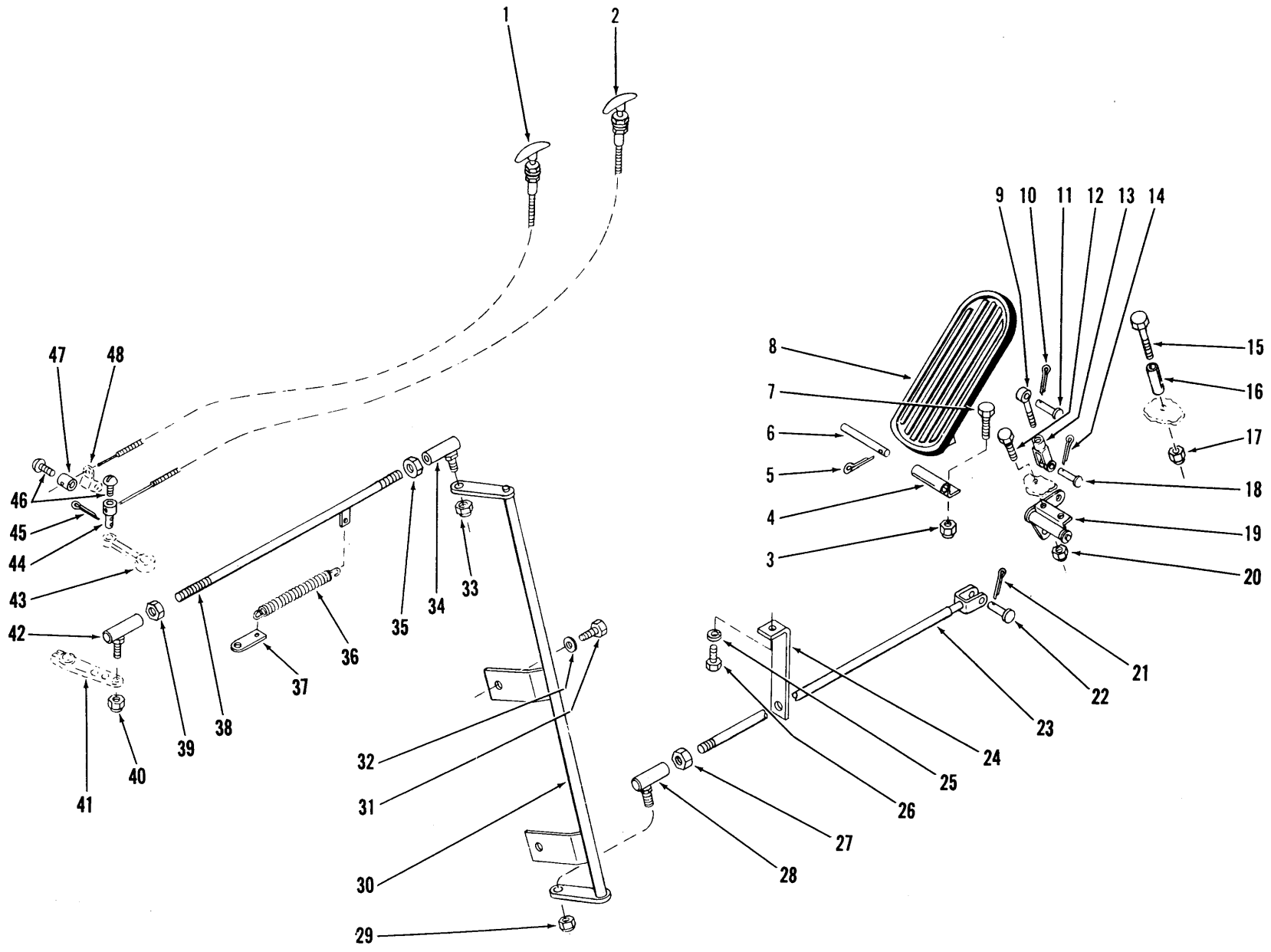
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ACCELERATOR PEDAL AND LINKAGE — G.M.

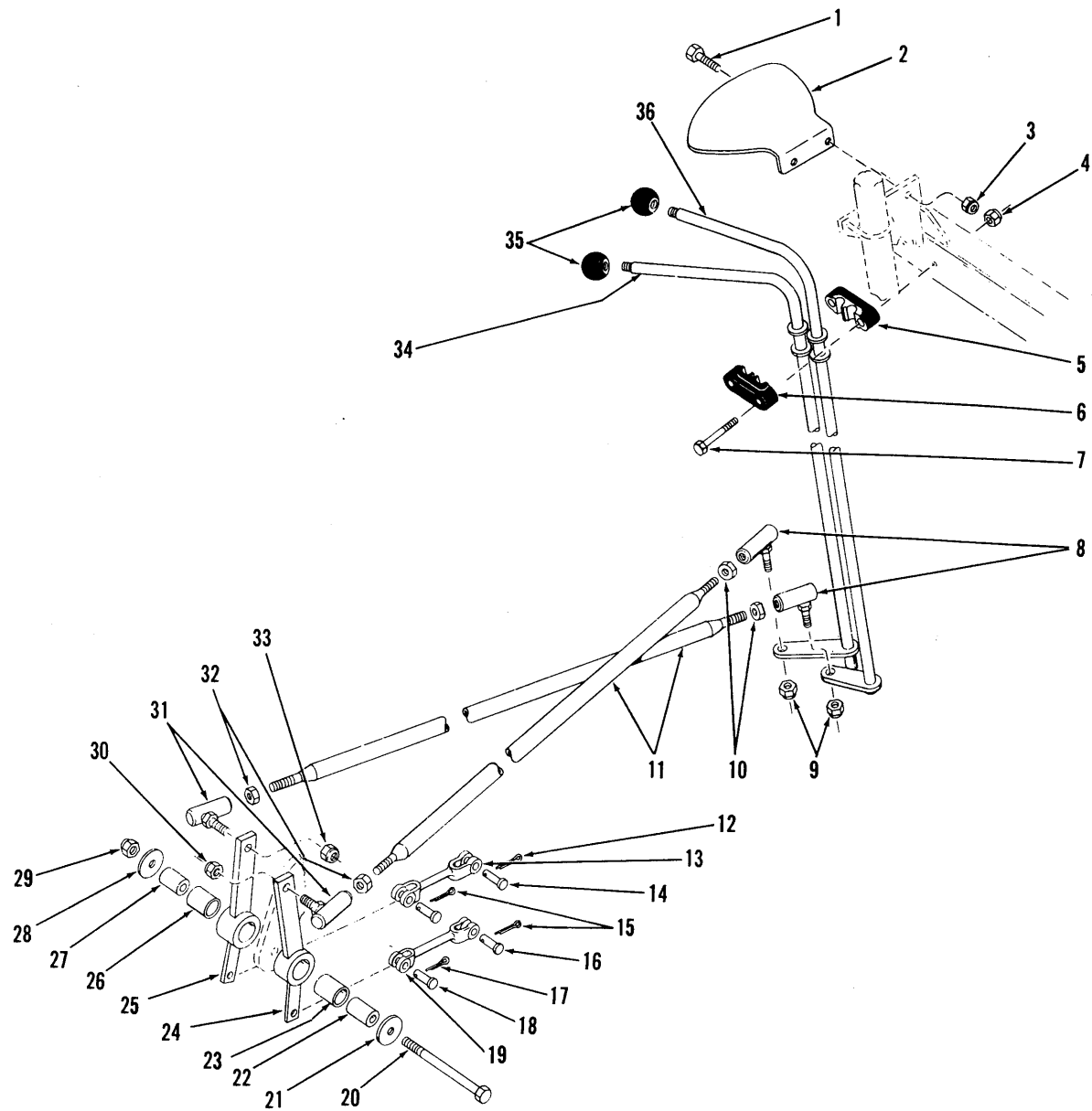
TS-5317-P

ACCELERATOR PEDAL AND LINKAGE – G.M.

Item No.	Part No.	Description	No. Req'd.
1	1520193	CABLE, Engine Stop	1
2	1520190	CABLE, Emergency Stop	1
2A	569389	†PLATE, Emergency Stop	1
2B	6C-605	†SCREW, Plate Mtg.	2
3	18D-04	NUT, Brk. to Floorboard	2
4	623760	BRACKET, Pedal Pivot	1
5	1F-316	COTTER, Pedal Pin	1
6	623762	PIN, Pedal to Bracket	1
7	18C-416	BOLT, Brk. to Floorboard	2
8	623829	PEDAL, Accelerator	1
9	550619	ROD, Pedal to Bellcrank	1
10	1F-208	COTTER, Clevis Pin	1
11	4F-04051	PIN, Pedal to Rod	1
12	18C-416	BOLT, Bellcrank Mtg.	2
13	2J-4200	CLEVIS, Rod to Bellcrank	1
14	1F-208	COTTER, Clevis Pin	1
15	18C-448	BOLT, Stop Mtg.	1
16	551016	STOP, Pedal	1
17	18D-04	NUT, Floorboard Stop	1
18	4F-04051	PIN, Clevis to Bellcrank	1
19	568941	BELLCRANK	1
20	18D-04	NUT, Bellcrank Mtg.	2
21	1F-208	COTTER, Clevis Pin	1
22	4F-04051	PIN, Rod to Bellcrank	1
23	568858	ROD, Accelerator – Front (Inc. 24, 27, 28)	1
24	568859	BRACKET, Rod	1
25	4E-06	LKWSHR, Bracket Mtg.	1
26	18C-616	BOLT, Bracket Mtg.	1
27	8D-05	NUT, Ball Joint Jam	1
28	1301361	BALL JOINT	1
29	66D-05	NUT, Ball Joint Mtg.	1
30	540204	BELLCRANK	1
31		BOLT, Bellcrank Mtg.	
31A	18C-668	Lower	1
31B	18C-680	Upper	1
32	864106	WASHER, Bellcrank Mtg.	2
33	66D-05	NUT, Ball Joint Mtg.	1
34	1301361	BALL JOINT	1
35	8D-05	NUT, Ball Joint Jam	1
36	551014	SPRING, Return	1
37	530509	CLIP, Spring Return	1
38	540274	ROD, Accelerator – Rear (Inc. 34, 35, 39, 42)	1
39	8D-05	NUT, Ball Joint Jam	1
40	66D-05	NUT, Ball Joint Mtg.	1
41	-----	LEVER, Governor – See Engine Manual	—
42	1301361	BALL JOINT	1
43	-----	SHUT-OFF, Fuel – See Engine Manual	—
44	1523209	CONNECTOR, Cable	1
45	1F-208	COTTER, Connector	1
46		SCREW, Connector	
46A	86G-1008	For Item 44	1
46B	85G-806	For Item 47	1
47	1523210	CONNECTOR, Cable	1
48	-----	SHUT-OFF, Emergency – See Engine Manual	—

†Not Illustrated

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



TRANSMISSION CONTROL LEVERS AND LINKAGE – CUMMINS
For Serial: 7AFC101 thru 7AFC999

TS-5306-P

TRANSMISSION CONTROLS — CUMMINS

For Serial: 7AFC101 thru 7AFC999

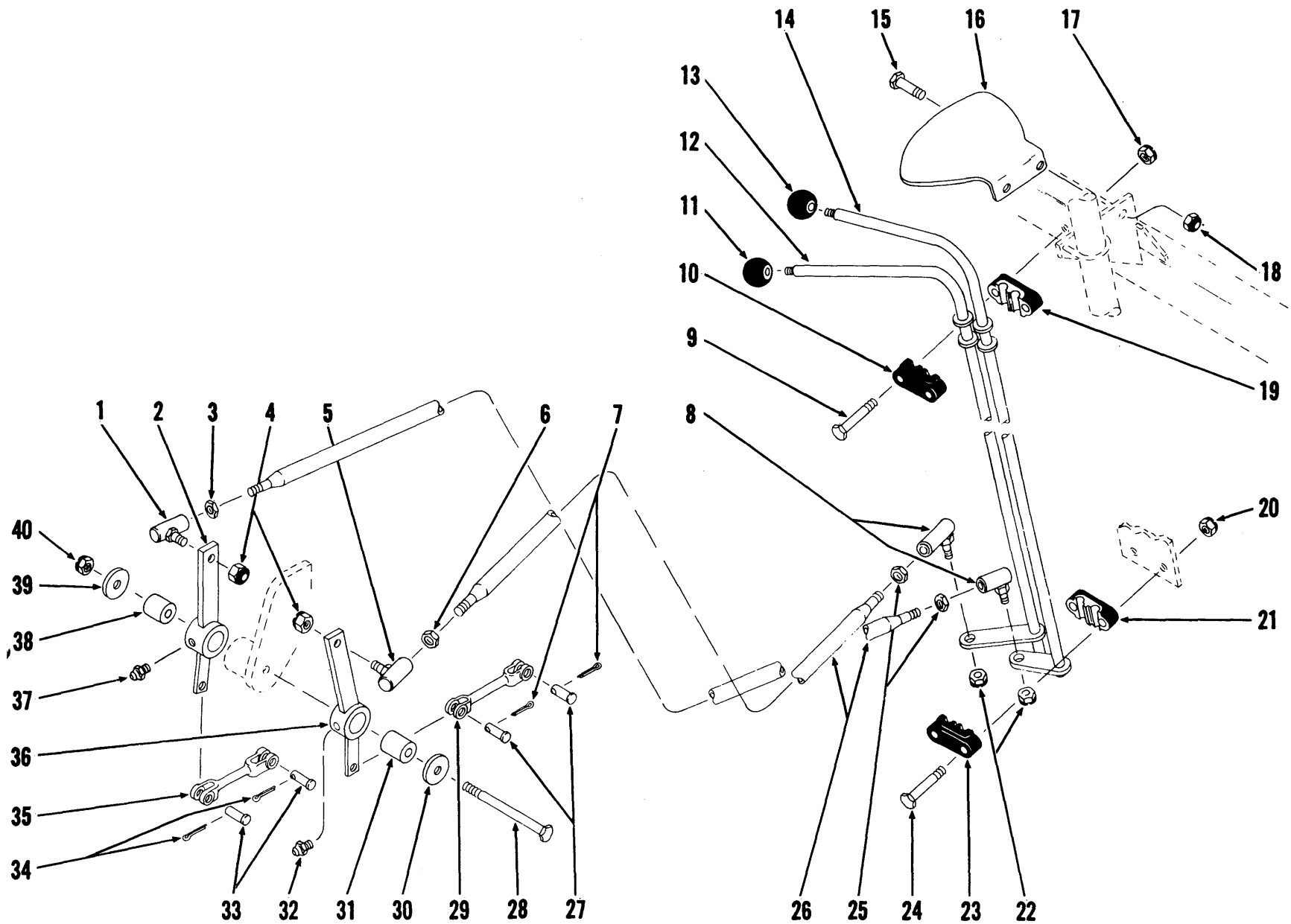
Item No.	Part No.	Description	No. Req'd.
1	18C-620	BOLT, Shift Quadrant	1
2	568477	QUADRANT, Shift	1
3	18D-06	NUT, Shift Quadrant	1
4	18D-05	NUT, Lever Mounting Support	4
5	1508846	SUPPORT, Lever Mounting (Inc. 6)	2
6	-----	§SUPPORT, Lever Mounting — See 5	2
7	18C-536	BOLT, Lever Mounting Support	4
8	1301363	BALL JOINT, Rod to Lever	2
9	8D-08	NUT, Ball Joint to Lever	2
10	18D-08	NUT, Ball Joint to Rod	2
11	568348	ROD, Four Speed & Forward & Reverse (Inc. 8, 9, 30, 31)	2
12	1F-312	COTTER, Clevis Pin	1
13	569764	ROD, Bellcrank to Transmission	1
14	4F-05062	PIN, Rod to Transmission	1
15	1F-312	COTTER, Clevis Pin	2
16	4F-05062	PIN, Rod	2
17	1F-312	COTTER, Clevis Pin	1
18	4F-05062	PIN, Rod to Bellcrank	1
19	569764	ROD, Bellcrank to Transmission	1
20	24C-896	BOLT, Bellcrank to Angle	1
21	616796	WASHER, Bellcrank to Angle	1
22	550646	SLEEVE, Bellcrank Four Speed	1
23	549580	BUSHING, Bellcrank Four Speed	1
24	569319	*BELLCRANK, Four Speed	1
25	569316	**BELLCRANK, Forward & Reverse	1
26	549580	BUSHING, Bellcrank Forward & Reverse	1
27	550646	SLEEVE, Bellcrank Forward & Reverse	1
28	616796	WASHER, Bellcrank to Angle	1
29	18D-08	NUT, Bellcrank to Angle	1
30	8D-08	NUT, Ball Joint to Bellcrank	1
31	1301363	BALL JOINT, Rod to Bellcrank	2
32	18D-08	NUT, Ball Joint to Rod	2
33	8D-08	NUT, Ball Joint to Bellcrank	1
34	568366	ROD ASSY, Four Speed Shift	1
35	509772	KNOB, Shift Levers	2
36	568363	ROD ASSY, Forward & Reverse Shift	1

*NOTE: For replacement use 572914 plus 1-570676 Sleeve & 1-10H-25 Grease Fitting.

**NOTE: For replacement use 573462 Bellcrank plus 1-570676 Sleeve & 1-10H-25 Grease Fitting.

§Not Sold Separately

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



TRANSMISSION CONTROL LEVERS AND LINKAGE - CUMMINS
For Serial: 8AFC101 Thru 10AFC999

TS-7068-P

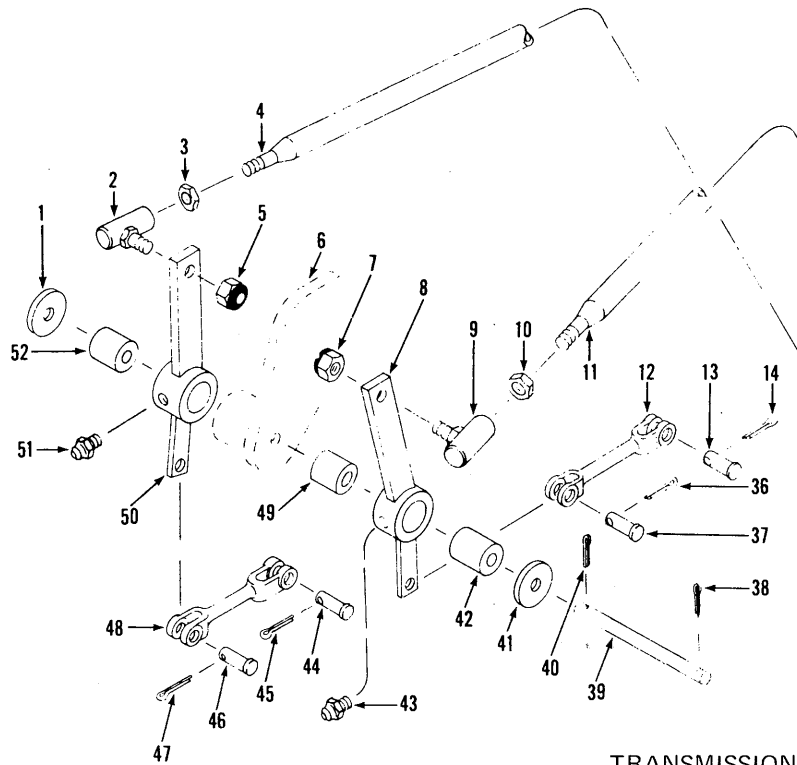
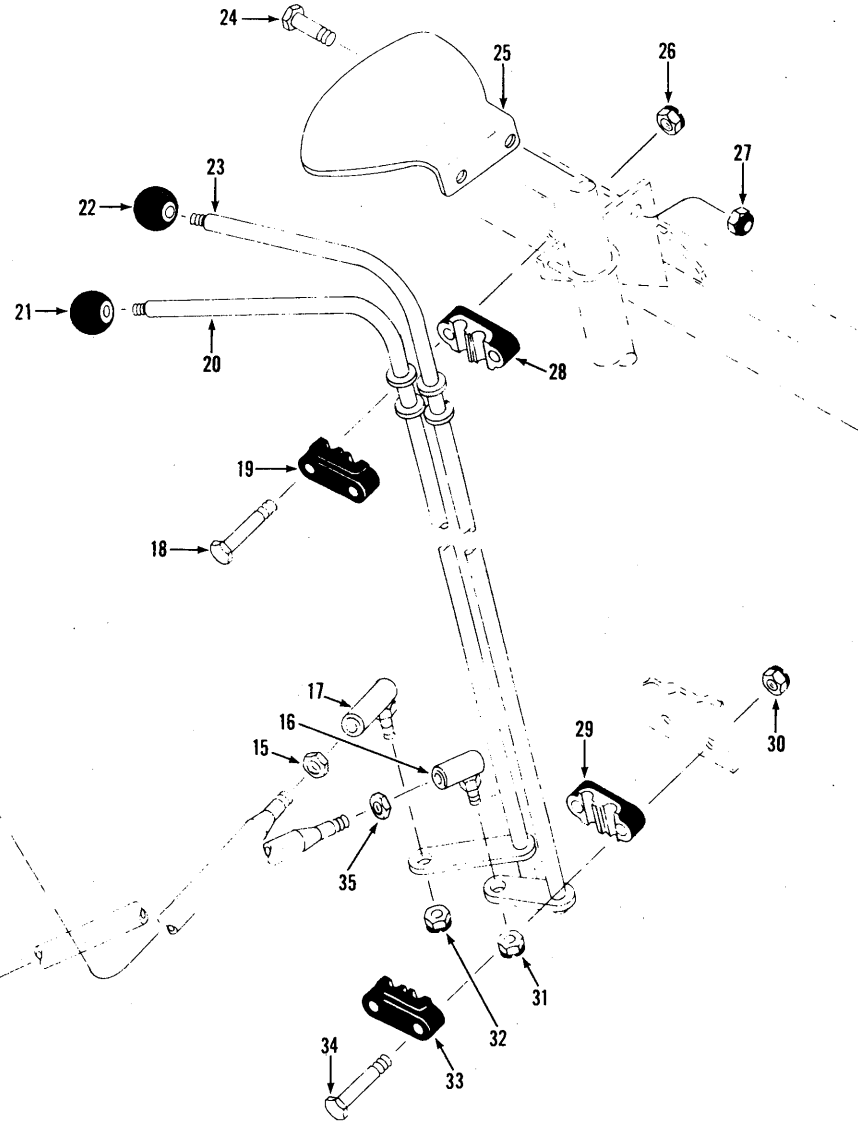
TRANSMISSION CONTROL LEVERS AND LINKAGE — CUMMINS

For Serial: 8AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.
1	1305485	BALL JOINT, Rod to Bellcrank	1
2	573462	BELLCRANK, Forward & Reverse	1
3	8D-08	NUT, Ball Joint Jam	1
4	18D-08	NUT, Ball Joint to Bellcrank	2
5	1305485	BALL JOINT, Rod to Bellcrank	1
6	8D-08	NUT, Ball Joint Jam	1
7	1F-312	COTTER, Rod Pin	2
8	1305485	BALL JOINT, Rod to Lever	2
9	18C-536	BOLT, Lever Mounting Support	2
10	1508846	SUPPORT, Lever Mounting (Inc. 19)	1
11	509772	KNOB, Shift Lever	1
12	568366	LEVER, Transmission Four Speed Shift	1
13	509772	KNOB, Shift Lever	1
14	568363	LEVER, Transmission Forward & Reverse Shift	1
15	18C-620	BOLT, Shift Quadrant Mounting	1
16	568477	QUADRANT, Shift	1
17	18D-05	NUT, Lever Mounting Support	2
18	18D-06	NUT, Shift Quadrant	1
19	-----	§SUPPORT, Lever Mounting (See 10)	1
20	18D-05	NUT, Lever Mounting Support	2
21	1508846	SUPPORT, Lever Mounting (Inc. 23)	1
22	18D-08	NUT, Ball Joint to Lever	2
23	-----	§SUPPORT, Lever Mounting (See 21)	1
24	18C-536	BOLT, Lever Mounting Support	2
25	8D-08	NUT, Ball Joint Jam	2
26	568348	ROD, Transmission Control (Inc. 1, 3, 5, 6, 8, 25)	2
27	4F-05062	PIN, Rod Clevis	2
28	18C-12104	BOLT, Bellcrank to Frame	1
29	569764	ROD, Bellcrank to Transmission	1
30	585972	WASHER, Bellcrank to Frame	1
31	570676	SLEEVE, Bellcrank	1
32	10H-25	FITTING, Bellcrank Grease	1
33	4F-05062	PIN, Rod Clevis	2
34	1F-312	COTTER, Rod Pin	2
35	569764	ROD, Bellcrank to Transmission	1
36	572914	BELLCRANK, Four Speed	1
37	10H-25	FITTING, Bellcrank Grease	1
38	570676	SLEEVE, Bellcrank	1
39	585972	WASHER, Bellcrank to Frame	1
40	18D-12	NUT, Bellcrank to Frame	1

§Not Sold Separately

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



TRANSMISSION CONTROL LEVERS AND LINKAGE
For Serial: Cummins - 11AFC101 & after. G.M. - 11AFG101 & after

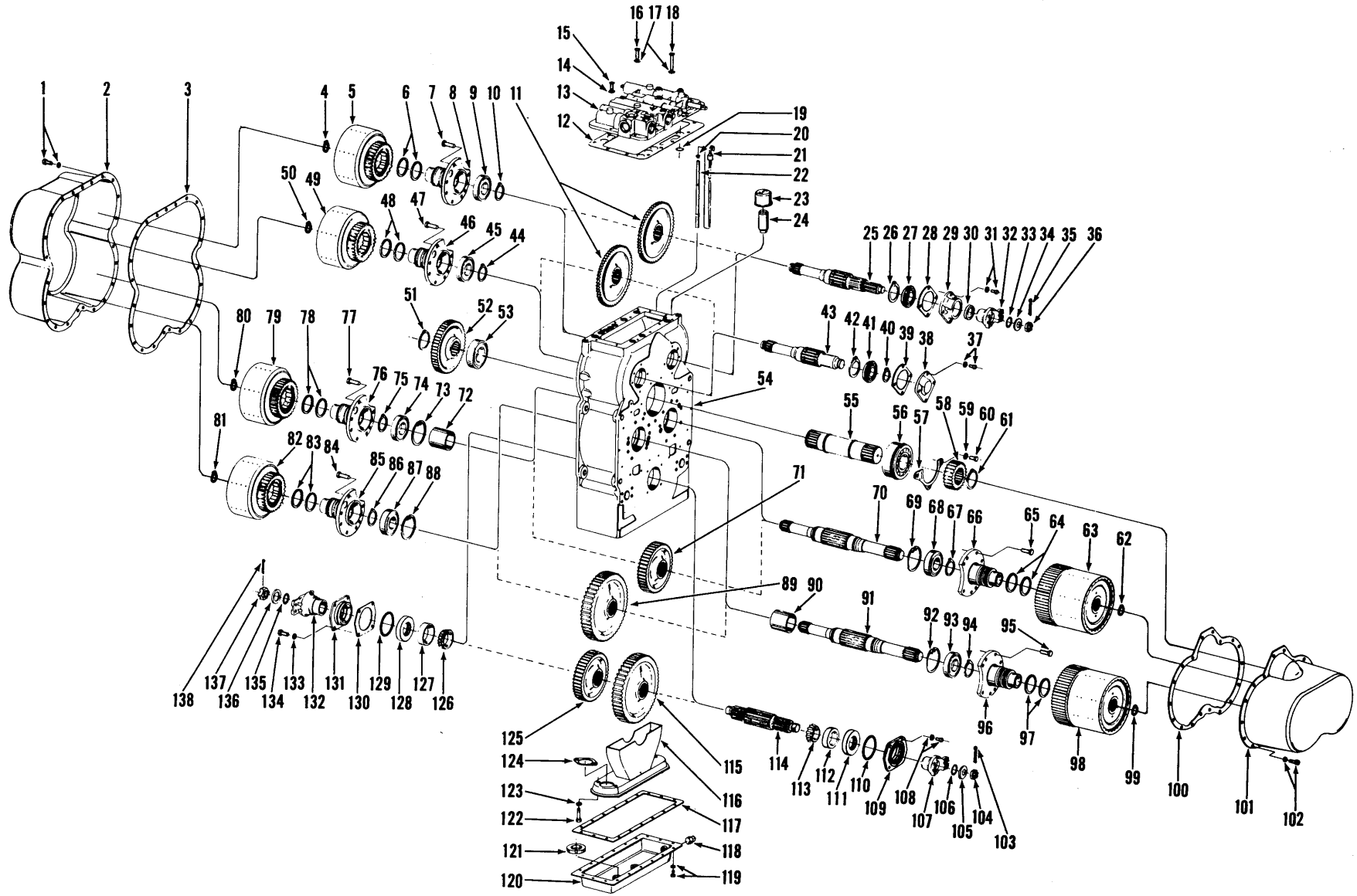
TS-8806-P

**CONSTRUCTION MACHINERY DIVISION
TRANSMISSION CONTROL LEVERS AND LINKAGE
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after**

Item No.	Part No.	Description	No. Req'd.
1	25E-28	WASHER, Bellcrank to Frame Brk.	1
2	1305485	BALL JOINT, Rod to Bellcrank	1
3	8D-08	NUT, Ball Joint Jam	1
4	568348	ROD, Trans. Control (Inc. 2, 3, 16, 35)	1
5	18D-08	NUT, Ball Joint to Bellcrank	1
6	-----	§BELLCRANK — Welded to Frame	—
7	18D-08	NUT, Ball Joint to Bellcrank	1
8	572914	BELLCRANK, Four Speed	1
9	1305485	BALL JOINT, Rod to Bellcrank	1
10	8D-08	NUT, Ball Joint Jam	1
11	568348	ROD, Trans. Control (Inc. 9, 10, 15, 17)	1
12	569764	ROD, Bellcrank to Transmission	1
13	4F-05062	PIN, Rod Clevis	1
14	1F-312	COTTER, Clevis Pin	1
15	8D-08	NUT, Ball Joint Jam	1
16	1305485	BALL JOINT, Rod to Lever	1
17	1305485	BALL JOINT, Rod to Lever	1
18	18C-536	BOLT, Lever Mounting Support	2
19	1508846	SUPPORT, Lever Mounting (Inc. 28)	1
20	568366	LEVER, Trans. Four Speed Shift	1
21	509772	KNOB, Shift Lever	1
22	509772	KNOB, Shift Lever	1
23	568363	LEVER, Trans. Fwd. & Reverse Shift	1
24	18C-620	BOLT, Shift Quadrant Mtg.	1
25	568477	QUADRANT, Shift	1
26	18D-05	NUT, Lever Mounting Support	2
27	18D-06	NUT, Shift Quadrant Mtg.	1
28	-----	§SUPPORT, Lever Mounting (See 19)	1
29	1508846	SUPPORT, Lever Mounting (Inc. 33)	1
30	18D-05	NUT, Lever Mounting Support	2
31	18D-08	NUT, Ball Joint to Lever	1
32	18D-08	NUT, Ball Joint to Lever	1
33	-----	§SUPPORT, Lever Mounting (See 29)	1
34	18C-536	BOLT, Lever Mounting Support	2
35	8D-08	NUT, Ball Joint Jam	1
36	1F-312	COTTER, Clevis Pin	1
37	4F-05062	PIN, Rod Clevis	1
38	1F-420	COTTER, Pin	1
39	1535583	PIN, Bellcrank to Frame Bellcrank	1
40	1F-420	COTTER, Pin	1
41	25E-28	WASHER, Bellcrank to Frame Brk.	1
42	570676	SLEEVE, Bellcrank	1
43	10H-25	FITTING, Bellcrank Grease	1
44	4F-05062	PIN, Rod Clevis	1
45	1F-312	COTTER, Clevis Pin	1
46	4F-05062	PIN, Rod Clevis	1
47	1F-312	COTTER, Clevis Pin	1
48	569764	ROD, Bellcrank to Transmission	1
49	1503998	SPACER, Bellcrank	1
50	573462	BELLCRANK, Fwd. & Reverse	1
51	10H-25	FITTING, Bellcrank Grease	1
52	570676	SLEEVE, Bellcrank	1

§Not Sold Separately

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



TRANSMISSION

TS-4862-P

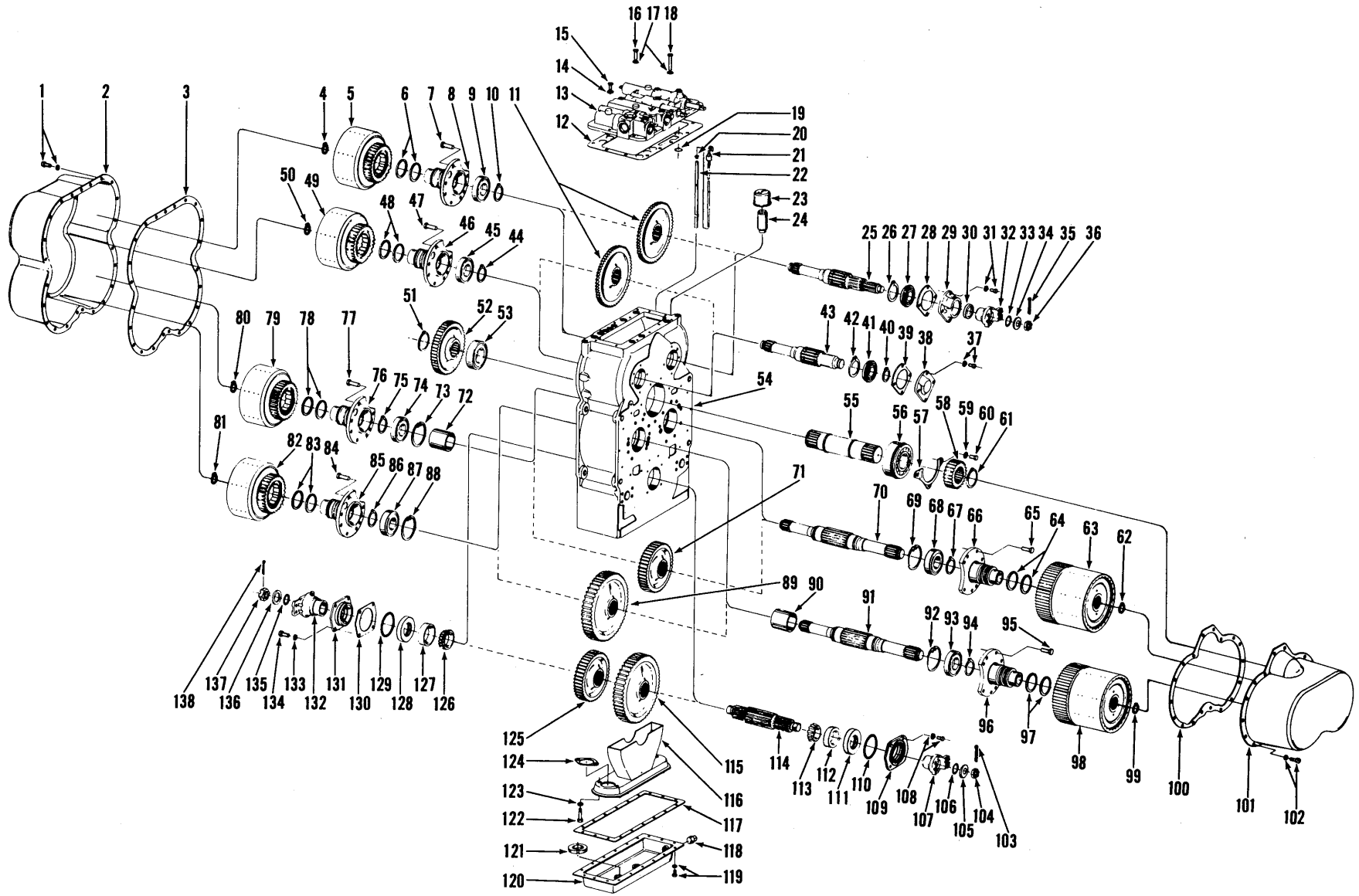
TRANSMISSION ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	282286	TRANSMISSION ASSY (3421-2) (Inc. 1 thru 140)	1	33	25K-40112	"O" RING, Flange	1
1	5C-612	BOLT & LKWSHR, Clutch Cover	23	34	102745	WASHER, Flange	1
2	217554	COVER, Fwd. & Rev., 3rd & 4th Clutch	1	35	1F-432	COTTER, Flange	1
3	237156	GASKET, Clutch Cover	1	36	201951	NUT, Flange to Shaft	1
4	711418	RING, Disc Hub Snap	1	37	5C-616	BOLT & LKWSHR, Bearing Cap	4
5	-----	CLUTCH ASSY, Input — See Index	—	38	217557	CAP, Bearing	1
6	217600	RING, Clutch Support Piston	2	39	217558	GASKET, Bearing Cap	1
7	8C-820	BOLT, Clutch Support to Case	8	40	224083	RING, Bearing Retaining	1
8	217146	SUPPORT, Input Clutch	1	41	225824	BEARING, Front	1
9	225792	BEARING, Rear	1	42	711161	RING, Gear Retaining	1
10	711161	RING, Gear Retaining	1	43	237009	SHAFT, Reverse	1
11	217458	GEAR, Input & Reverse Shafts (57T)....	2	44	711161	RING, Gear Retaining	1
12	217653	GASKET, Valve to Case	1	45	225792	BEARING, Rear	1
13	-----	CONTROL VALVE ASSY —See Index	—	46	217146	SUPPORT, Reverse	1
14	4E-06	LKWSHR, Valve to Case	6	47	8C-820	BOLT, Clutch Support to Case	8
15	1C-616	BOLT, Valve to Case	4	48	217600	RING, Clutch Support Piston	2
16	1C-624	BOLT, Valve to Case	2	49	-----	CLUTCH ASSY, Reverse — See Index ..	—
17	4E-06	LKWSHR, Valve to Case	6	50	711418	RING, Disc Hub Snap	1
18	1C-640	BOLT, Valve to Case	6	51	711161	RING, Gear Retaining	1
19	25K-40026	"O" RING, Valve to Case	6	52	236406	GEAR, Idler (50T)	1
20	92F-7	FITTING, Dipstick Tube	1	53	225835	BEARING, Idler Shaft	1
21	-----	Not Used This Application — See Trans. & T. Conv. Hyd. Sys.	—	54	-----	TRANSMISSION CASE ASSY — See Index	—
22	230605	*TUBE, Dipstick	1	55	217548	SHAFT, Idler	1
23	-----	Not Used This Application — See Trans. & T. Conv. Hyd. Sys.	—	56	225836	BEARING, Idler Shaft	1
24	-----	Not Used This Application — See Trans. & T. Conv. Hyd. Sys.	—	57	217560	RETAINER, Bearing	1
25	237010	SHAFT, Input	1	58	217763	GEAR, Idler to 1st (28T)	1
26	711161	RING, Gear Retaining	1	59	4E-07	LKWSHR, Bearing Retainer	3
27	225824	BEARING, Front	1	60	1C-716	BOLT, Bearing Retainer	3
28	217558	GASKET, Bearing Cap	1	61	711161	RING, Gear Retaining	1
29	217556	CAP, Bearing	1	62	659764	RING, Disc Hub Snap	1
30	206864	SEAL, Oil	1	63	-----	CLUTCH ASSY, 1st Clutch — See Index ..	—
31	5C-616	BOLT & LKWSHR, Bearing Cap	4	64	223740	RING, Clutch Support Piston	2
32	214985	FLANGE, Input (6-C)	1	65	8C-820	BOLT, Clutch Support to Case	8
				66	217156	SUPPORT, Clutch	1
				67	743669	RING, Bearing Retaining	1
				68	225794	BEARING, 1st & 3rd Shaft	1

‡As Required
†Not Illustrated

*NOTE: For replacement on machines prior to 10AFC211, 1 — 1502876 Extension Tube (1-7/8" lg.) must also be used.

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



TRANSMISSION

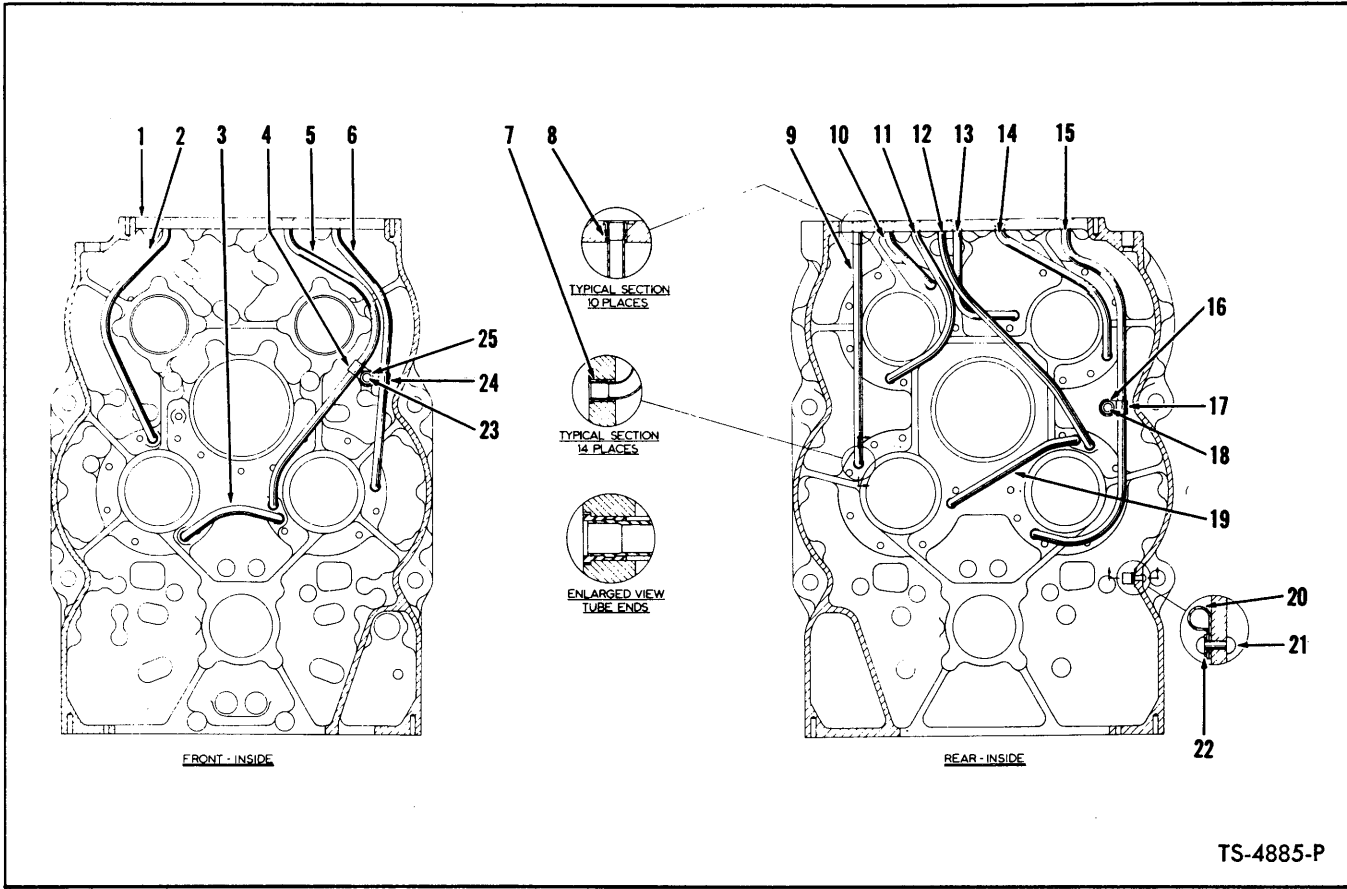
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TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
69	223882	RING, Gear Retaining	1	107	222233	FLANGE, Output (7-C)	1
70	217553	SHAFT, 1st & 3rd	1	108	1C-720	BOLT, Output Shaft Cap	4
71	217765	GEAR, 1st & 3rd Shaft (47T)	1	108A	4E-07	LKWSHR, Output Shaft Cap	4
72	217559	SPACER, 1st & 3rd Shaft Gear	1	109	230690	CAP, Output Shaft Bearing	1
73	223882	RING, Gear Retaining	1	110	25K-40308	"O" RING, Bearing Cap	1
74	225792	BEARING, 1st & 3rd Shaft	1	111	225823	SEAL, Output Shaft Oil	1
75	743669	RING, Bearing Retaining	1	112	856250	CUP, Output Shaft Tapered Bearing..	1
76	217146	SUPPORT, Clutch	1	113	654141	CONE, Output Shaft Tapered Bearing	1
77	8C-820	BOLT, Clutch Support to Case	8	114	218504	SHAFT, Output	1
78	217600	RING, Clutch Support Piston	2	115	217767	GEAR, Output Shaft to 1st & 3rd (61T)	1
79	-----	CLUTCH ASSY, 3rd Clutch — See Index	—	116	218357	FRAME & SCREEN ASSY, Oil Sump ..	1
80	711418	RING, Disc Hub Snap	1	117	237154	GASKET, Oil Sump	1
81	711418	RING, Disc Hub Snap	1	118	13F-12	PLUG, Oil Sump Drain	1
82	-----	CLUTCH ASSY, 4th Clutch — See Index	—	119	5C-612	BOLT & LKWSHR, Oil Sump	18
83	217600	RING, Clutch Support Piston	2	120	217562	SUMP ASSY, Oil	1
84	8C-820	BOLT, Clutch Support to Case	8	121	525293	MAGNET, Sump	2
85	217146	SUPPORT, Clutch	1	122	1C-636	BOLT, Screen to Case	3
86	743669	RING, Bearing Retaining	1	123	4E-06	LKWSHR, Screen to Case	3
87	225794	BEARING, 2nd & 4th Shafts	1	124	218376	GASKET, Oil Sump Frame	1
88	223882	RING, Gear Retaining	1	125	217464	GEAR, Output Shaft to 2nd & 4th (45T)	1
89	217465	GEAR, 2nd & 4th Shaft (63T)	1	126	654141	CONE, Output Shaft Tapered Bearing	1
90	217559	SPACER, 2nd & 4th Shaft Gear	1	127	856250	CUP, Output Shaft Tapered Bearing..	1
91	217553	SHAFT, 2nd & 4th	1	128	225823	SEAL, Output Shaft Oil	1
92	223882	RING, Gear Retaining	1	129	25K-40308	"O" RING, Bearing Cap	1
93	225792	BEARING, 2nd & 4th Shaft	1	130	217566	‡SHIM, Bearing Cap — .004"	—
94	743669	RING, Bearing Retaining	1	130A	217567	‡†SHIM, Bearing Cap — .007"	—
95	8C-820	BOLT, Clutch Support to Case	8	130B	217568	‡†SHIM, Bearing Cap — .010"	—
96	217156	SUPPORT, Clutch	1	131	230690	CAP, Bearing	1
97	223740	RING, Clutch Support Piston	2	132	222233	FLANGE, Output	1
98	-----	CLUTCH ASSY, 2nd Clutch — See Index	—	133	4E-07	LKWSHR, Output Shaft Cap	4
99	659764	RING, Disc Hub Snap	1	134	1C-720	BOLT, Output Shaft Cap	4
100	237155	GASKET, Clutch Cover	1	135	25K-60116	"O" RING, Output Shaft Flange	1
101	217617	COVER, 1st & 2nd Clutch	1	136	222179	WASHER, Output Shaft Flange	1
102	5C-612	BOLT & LKWSHR, Clutch Cover	18	137	205928	NUT, Output Shaft Flange	1
103	1F-436	COTTER, Output Shaft Flange	1	138	1F-436	COTTER, Output Shaft Flange	1
104	205928	NUT, Output Shaft Flange	1	139	211433	†BREATHER, Air	1
105	222179	WASHER, Output Shaft Flange	1	140	26F-3	†ELBOW, Air Breather	1
106	25K-60116	"O" RING, Output Shaft Flange	1				

‡As Required
†Not Illustrated

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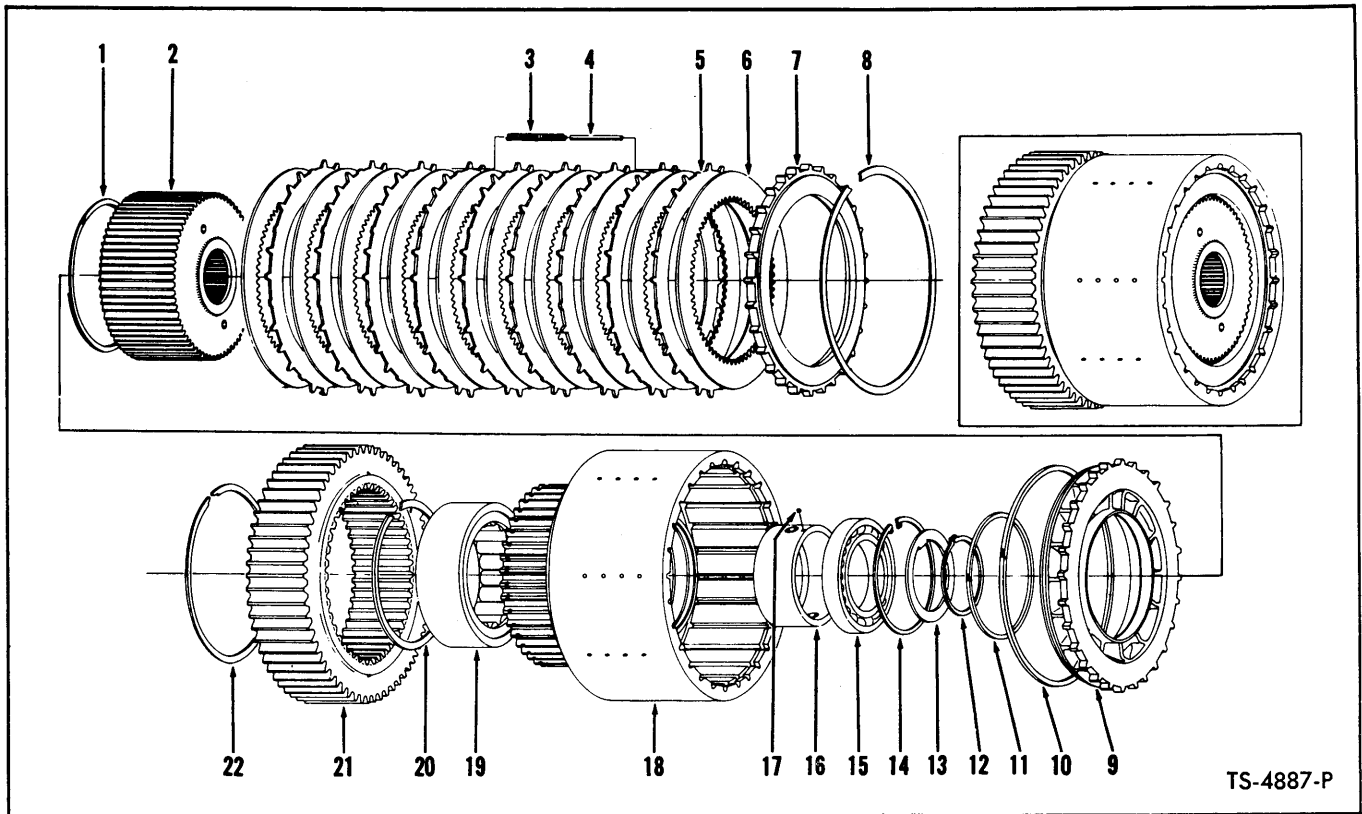


TRANSMISSION CASE AND INTERNAL TUBING

Item No.	Part No.	Description	No. Req'd.
1	217576	CASE ASSY, Transmission (Inc. 2 thru 25)	1
2	217669	TUBE, 1st Clutch Pressure	1
3	217578	TUBE, 2nd to 1st Crossover Lube	1
4	6H-29	CLIP, Tube	1
5	217577	TUBE, 2nd Clutch Lube	1
6	217674	TUBE, 2nd Clutch Pressure	1
7	222067	SLEEVE, Tube	8
8	222067	SLEEVE, Tube	16
9	217579	TUBE, 4th Clutch Pressure	1
10	217580	TUBE, Reverse Clutch Pressure	1
11	217581	TUBE, Reverse Clutch Lube	1
12	217582	TUBE, 3rd Clutch Lube	1

Item No.	Part No.	Description	No. Req'd.
13	217583	TUBE, Input Lube	1
14	217584	TUBE, Input Clutch Pressure	1
15	217585	TUBE, 3rd Clutch Pressure	1
16	1H-534	RIVET, Clip	1
17	6H-29	CLIP, Tube	1
18	25E-15	WASHER, Clip	1
19	217586	TUBE, 3rd to 4th Crossover Lube	1
20	6H-32	CLIP, Dipstick Tube	1
21	1H-416	RIVET, Dipstick Clip	1
22	25E-13	WASHER, Dipstick Clip	1
23	1H-430	RIVET, Clip	1
24	222167	CLIP, Tube	1
25	25E-13	WASHER, Clip	1

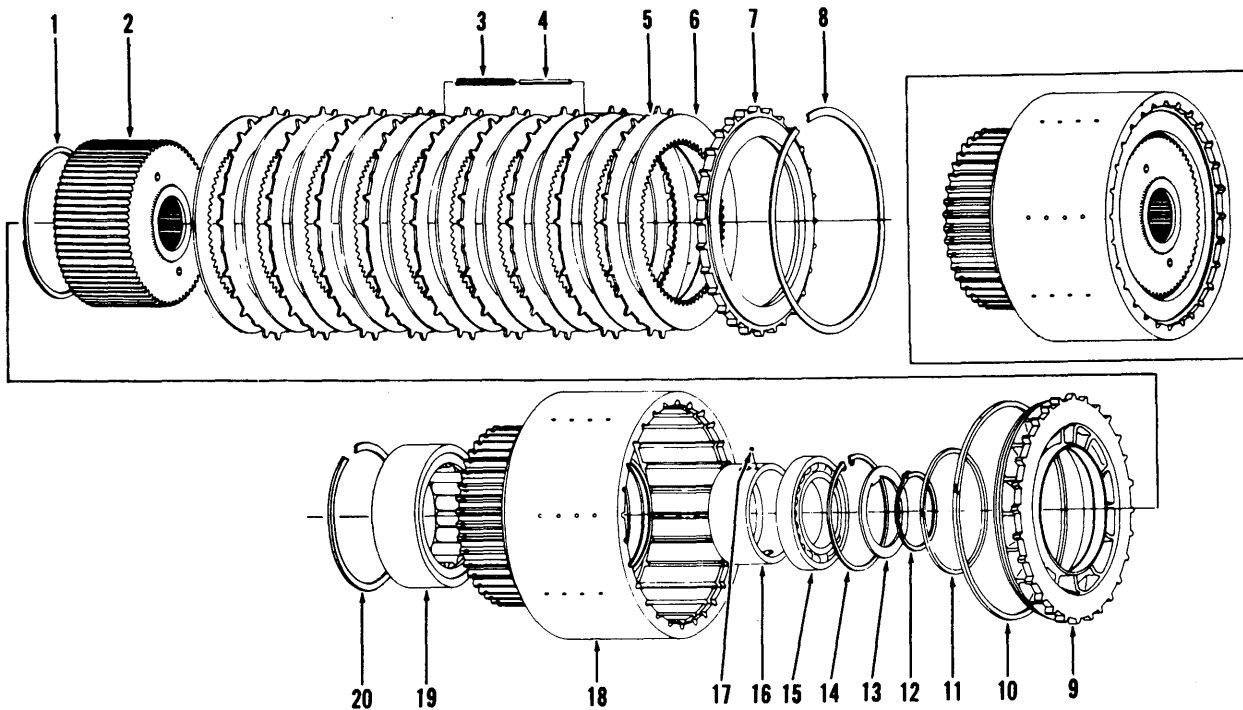
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



FIRST AND SECOND CLUTCH GROUP

Item No.	Part No.	Description	No. Req'd.
1	217509	RING, Oil Baffle Retaining	1
2	217158	HUB ASSY, Clutch Disc	1
3	217334	SPRING, Clutch Disc Release	6
4	217599	PIN, Clutch Disc Release Spring	6
5	232394	DISC, Clutch Outer	9
6	232316	DISC, Clutch Inner	10
7	217161	PLATE, Clutch Disc End	1
8	217099	RING, End Plate Retaining	1
9	217164	PISTON, Clutch	1
10	217361	RING, Outer Piston	1
11	217411	RING, Inner Piston	1
12	731627	RING, Washer Retaining	1
13	217165	WASHER, Bearing	1
14	664116	RING, Bearing Retaining	1
15	225813	BEARING, Clutch Support	1
16	217155	RACE, Outer Piston Ring	1
17	10J-08	BALL, Outer Race	1
18	217152	DRUM ASSY, Clutch (Inc. 16, 17)	1
19	225796	BEARING, Clutch Support Roller	1
20	223997	RING, Bearing Retaining	1
21	217768	GEAR, Clutch Drum Hub (53T)	1
22	217605	RING, Gear Retaining	1

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



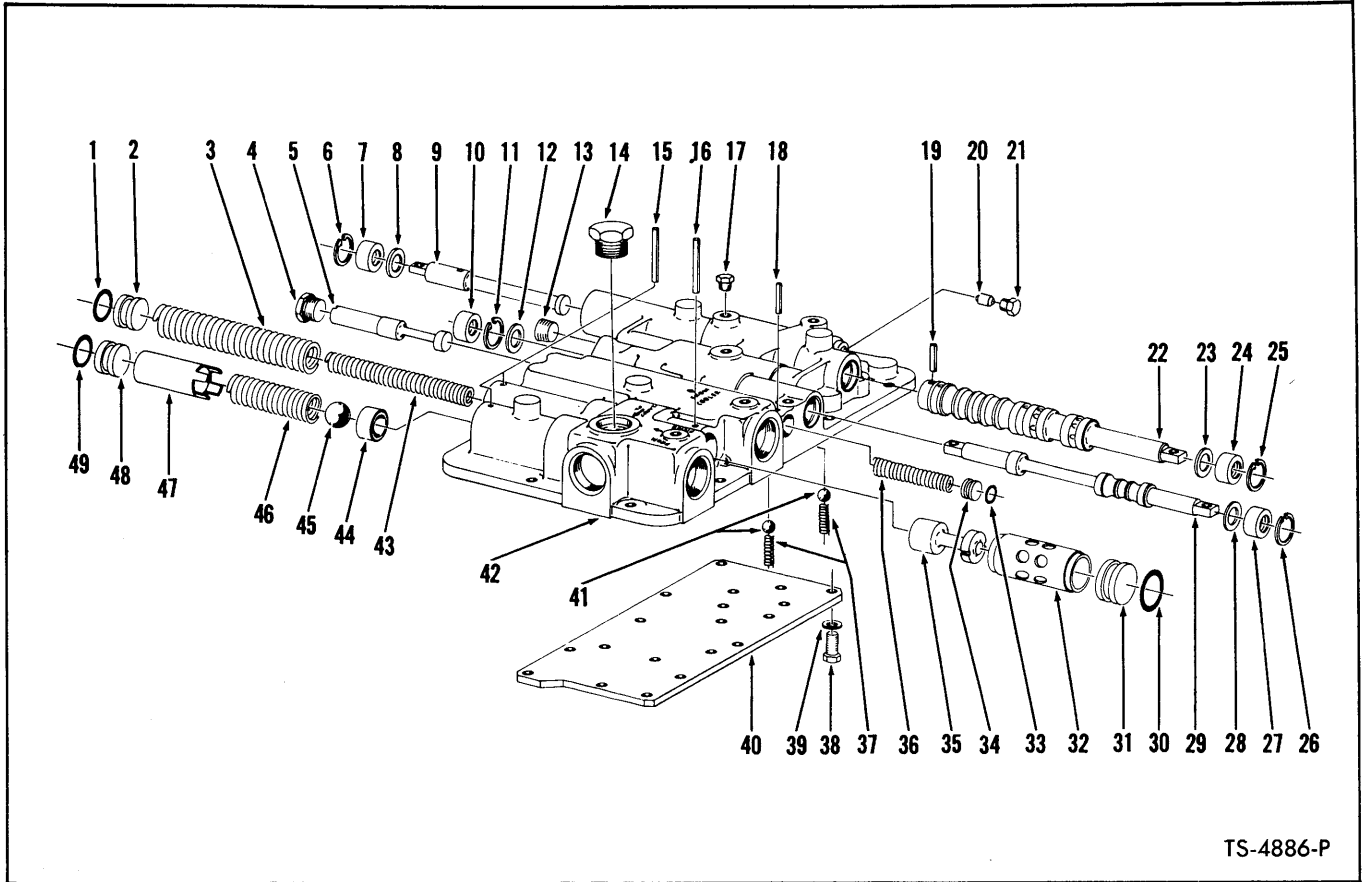
TS-4888-P

INPUT – REVERSE, THIRD AND FOURTH CLUTCH GROUP

4 Clutches used in Transmission – Quantities listed below are for 1 Clutch

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	217509	RING, Oil Baffle Retaining	1	11	217411	RING, Inner Piston	1
2	217148	HUB ASSY, Clutch Disc	1	12	743669	RING, Washer Retaining	1
3	217347	SPRING, Clutch Disc Release	6	13	217151	WASHER, Bearing	1
4	217601	PIN, Clutch Disc Release Spring	6	14	223901	RING, Bearing Retaining	1
5	232394	DISC, Clutch Outer	5	15	225812	BEARING, Clutch Support	1
6	227495	DISC, Clutch Inner	6	16	218214	RACE, Outer Piston Ring	1
7	217161	PLATE, Clutch End	1	17	10J-08	BALL, Outer Race	1
8	217099	RING, End Plate Retaining	1	18	217142	DRUM ASSY, Clutch (Inc. 16, 17)	1
9	217164	PISTON, Clutch	1	19	225795	BEARING, Clutch Support Roller	1
10	217361	RING, Outer Piston	1	20	223855	RING, Bearing Retaining	1

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



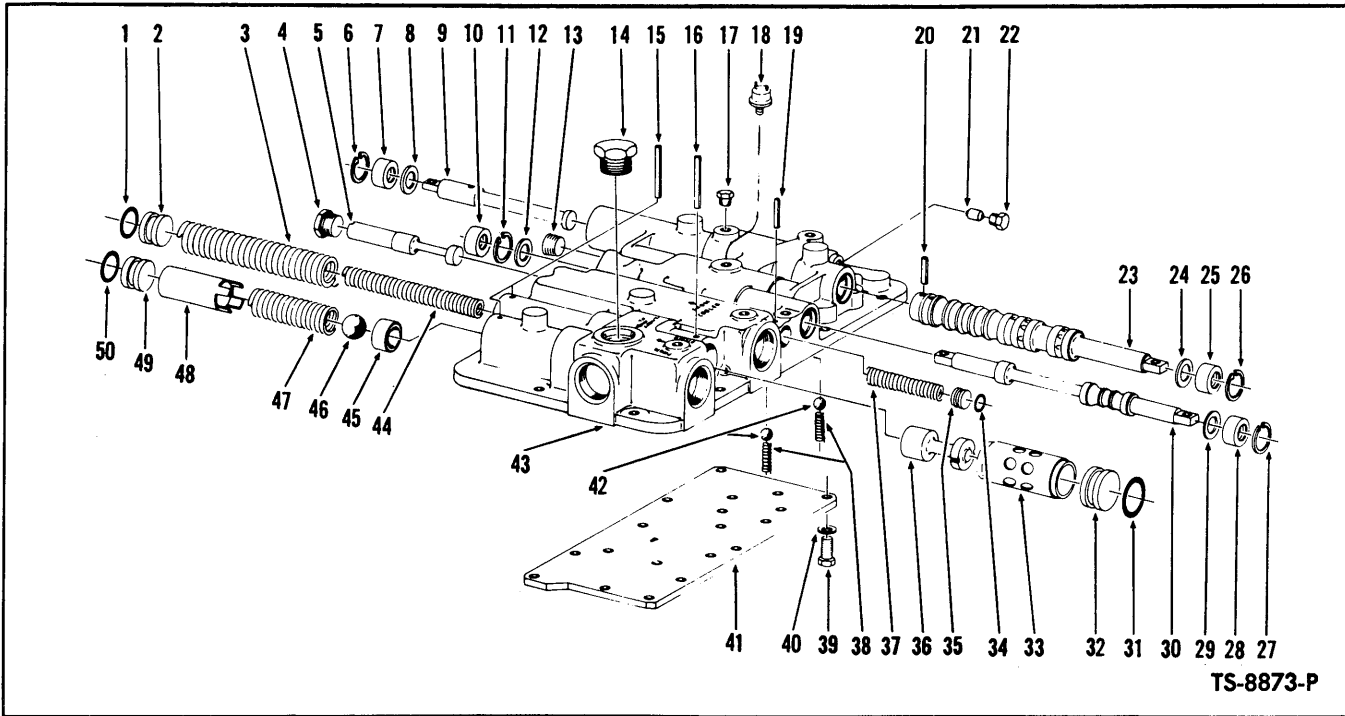
TS-4886-P

CONTROL COVER ASSEMBLY
For Serial: Cummins — 7AFC101 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	217746	*COVER ASSY, Control (Inc. 1 thru 49)	1	24	234651	SEAL, Selector Valve Oil	1
1	58K-210	"O" RING, Safety Valve	1	25	664140	RING, Selector Valve Retaining	1
2	222041	STOP, Regulator Valve	1	26	664140	RING, Selector Valve Retaining	1
3	217649	SPRING, Outer Regulator Valve	1	27	234651	SEAL, Selector Valve Oil	1
4	24K-7	PLUG	1	28	217657	WASHER, Selector Valve Stop	1
5	217644	SPOOL, Shut-Off Valve	1	29	217637	VALVE, Forward Reverse Selector	1
6	664140	RING, Selector Valve Retaining	1	30	58K-214	"O" RING, Regulator Valve Stop	1
7	234651	SEAL, Selector Valve Oil	1	31	801754	STOP, Regulator Valve	1
8	217657	WASHER, Selector Valve Stop	1	32	—	§SLEEVE, Regulator Valve Spool	1
9	217635	VALVE, Inner Selector	1	33	25K-30018	"O" RING, Valve Spool Stop	1
10	234651	SEAL, Selector Valve Oil	1	34	220983	STOP, Valve Spool	1
11	664140	RING, Selector Valve Retaining	1	35	801437	SPOOL, Regulator Valve (Inc. 32).....	1
12	217657	WASHER, Selector Valve Stop	1	36	217645	SPRING, Valve Spool	1
13	16F-08	PLUG, Oil Passage	1	37	232611	SPRING, Poppet	2
14	24K-10	PLUG	1	38	1C-512	BOLT, Plate to Cover	17
15	300058	PIN, Regulator Valve & Safety Valve Stop	2	39	5E-05	LKWSHR, Plate to Cover	17
16	300058	PIN, Regulator Valve & Safety Valve Stop	1	40	217632	PLATE, Control Cover	1
17	40K-02	PLUG	5	41	10J-12	BALL, Poppet	2
18	654724	PIN, Shut-Off Valve Spool Stop	1	42	217745	**COVER, Control	1
19	667209	PIN, Roll	1	43	217648	SPRING, Inner Regulator Valve	1
20	217654	VALVE, Shuttle	1	44	217650	SEAT, Safety Valve	1
21	47K-3	PLUG, Shuttle Valve	1	45	10J-24	BALL, Safety Valve	1
22	217633	VALVE ASSY, Selector (Inc. 9, 19)	1	46	217651	SPRING, Safety Valve	1
22A	226869	†SPACER, Selector Valve	1	47	217652	SPACER, Safety Valve Retainer	1
23	217657	WASHER, Selector Valve Stop	1	48	222041	STOP, Regulator Valve	1
				49	58K-210	"O" RING, Safety Valve	1

*NOTE: For replacement use 231110 Cover.
 **NOTE: For replacement use 229982 Cover plus 1—236395 Switch.
 §Not Sold Separately

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

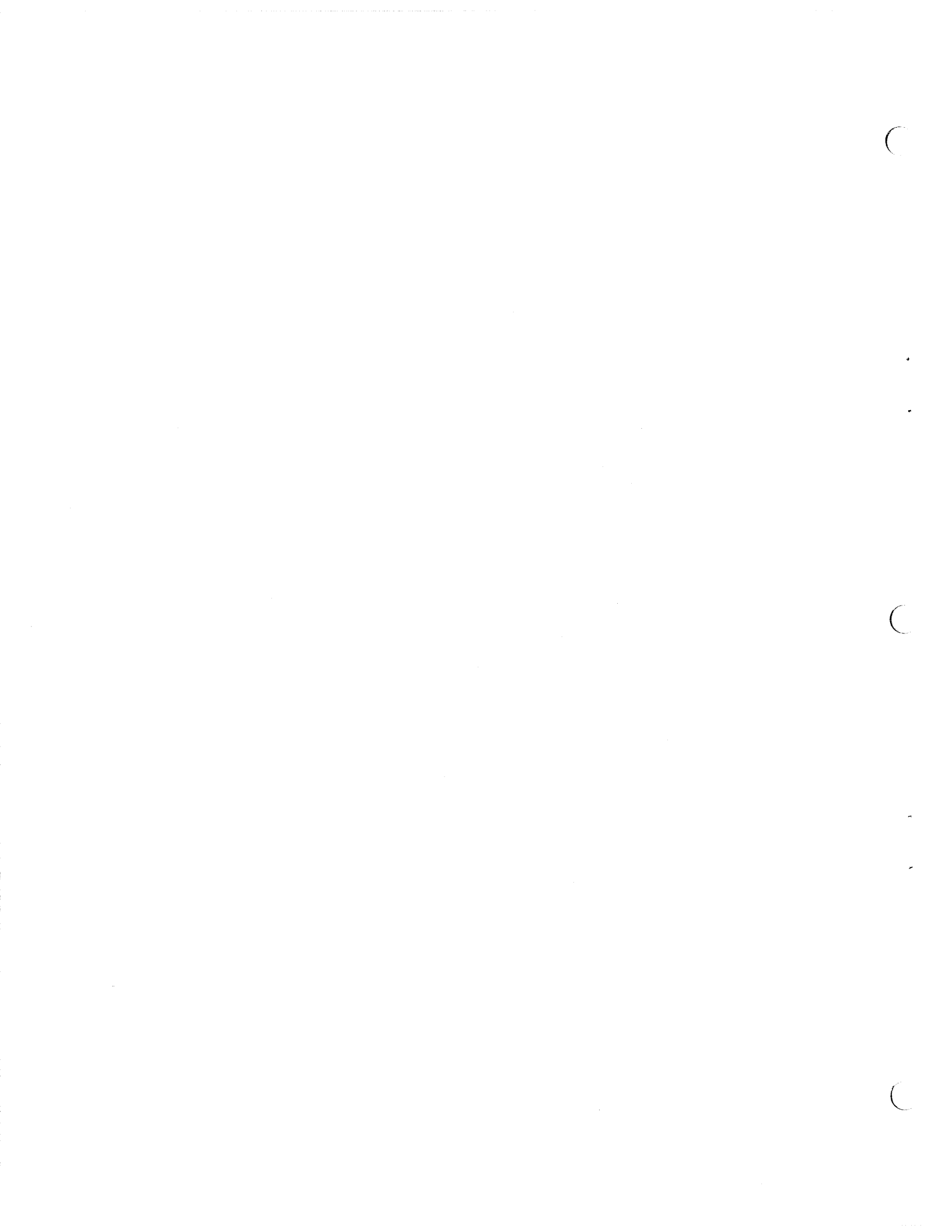


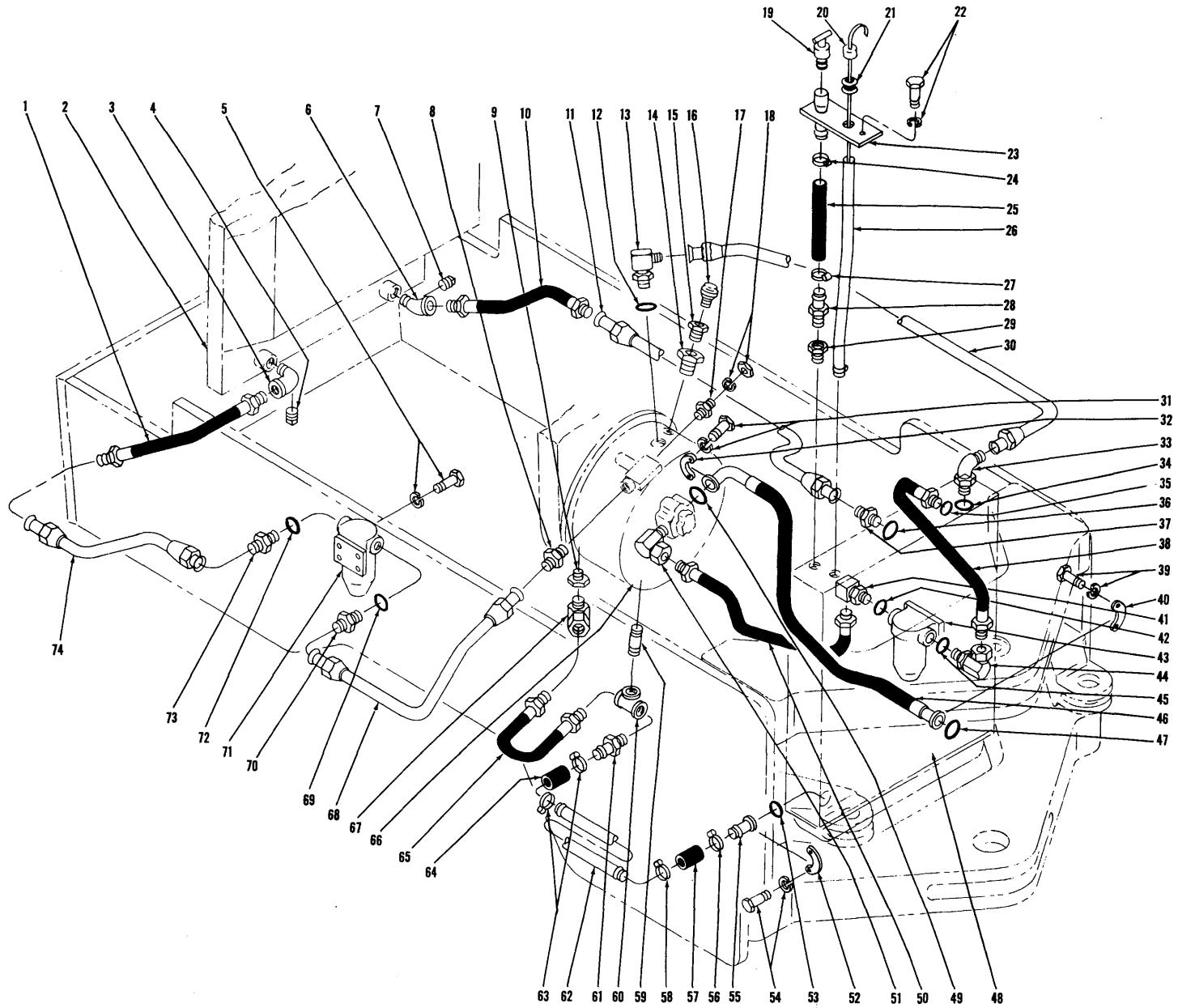
CONTROL COVER ASSEMBLY – TRANSMISSION
For Serial: Cummins – 12AFC101 and after
G.M. – 12AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	231110	COVER ASSY, Control (Inc. 1 thru 50)	1	24	217657	WASHER, Selector Valve	1
1	58K-210	O-RING, Reg. Valve Stop ...	1	25	234651	SEAL, Selector Valve Oil	1
2	222041	STOP, Reg. Valve	1	26	664140	RING, Selector Valve Ret.	1
3	217649	SPRING, Reg. Valve – Outer	1	27	664140	RING, Selector Valve Ret.	1
4	24K-7	PLUG, Shut-Off Valve	1	28	234651	SEAL, Selector Valve Oil	1
5	217644	SPOOL, Shut-Off Valve	1	29	217657	WASHER, Selector Valve	1
6	664140	RING, Selector Valve Ret. ...	1	30	217637	VALVE, Fwd. & Rev. Selector	1
7	234651	SEAL, Selector Valve Oil	1	31	58K-210	O-RING, Reg. Valve Stop	1
8	217657	WASHER, Selector Valve	1	32	222041	STOP, Reg. Valve	1
9	217635	VALVE, Inner Selector	1	33	-----	OMIT	—
10	234651	SEAL, Selector Valve Oil	1	34	25K-30018	O-RING, Valve Spool	1
11	664140	RING, Selector Valve Ret. ...	1	35	220983	STOP, Valve Spool	1
12	217657	WASHER, Selector Valve	1	36	232731	REG. VALVE SPOOL	1
13	16F-08	PLUG, Valve Hole	1	37	217645	SPRING, Valve Spool	1
14	24K-10	PLUG, Pipe	1	38	232611	SPRING, Poppet	2
15	300058	PIN, Reg. & Safety Valve Stop Roll	2	39	1C-512	BOLT, Plate to Cover	17
16	300058	PIN, Reg. & Safety Valve Stop Roll	2	40	5E-05	LKWSHR, Plate Mtg.	17
17	40K-02	PLUG, Oil Passage	4	41	217632	PLATE, Control Cover	1
18	236395	SWITCH, Neutral Start	1	42	10J-12	BALL, Poppet	2
18A	10J-10	†BALL, Check	1	43	229982	COVER, Control	1
19	654724	PIN, Valve Spool Stop Roll	1	44	217648	SPRING, Reg. Valve – Inner ...	1
20	667209	PIN, Selector Valve Roll	1	45	217650	SEAT, Safety Valve	1
21	-----	OMIT	—	46	10J-24	BALL, Safety Valve	1
22	-----	OMIT	—	47	217651	SPRING, Safety Valve	1
23	217633	VALVE, Selector (Inc. 9, 20)	1	48	217652	SPACER, Valve Seat Ret.	1
23A	226869	†SPACER, Selector Valve	1	49	222041	STOP, Safety Valve	1
				50	58K-210	O-RING, Valve Stop	1

†Not Illustrated

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





HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER – CUMMINS
For Serial 7AFC101 thru 7AFC999

TS-6341-P

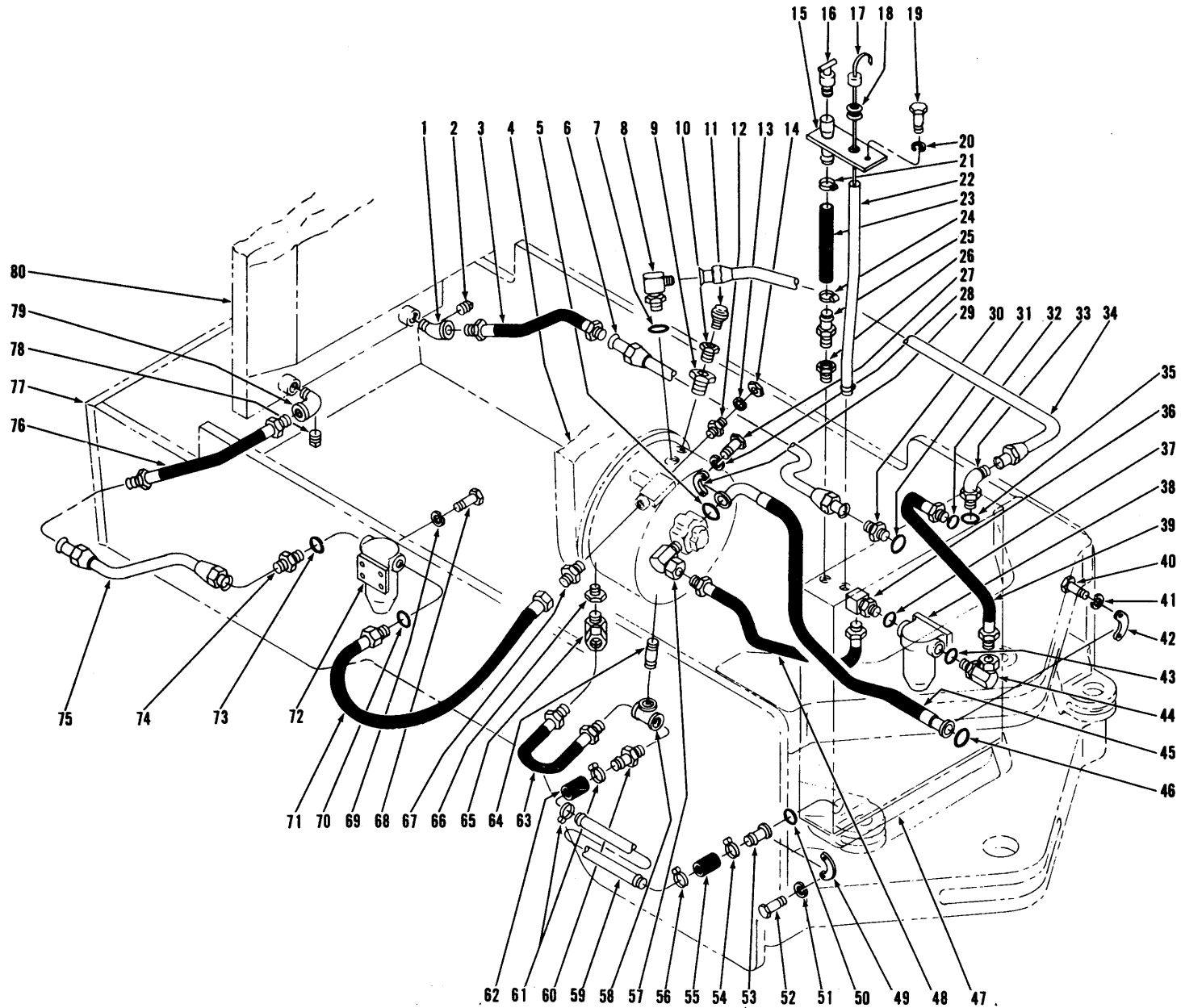
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	570960	HOSE, Radiator to Cooler Line	1	39	17C-824	BOLT, Flange Half to Transmission ..	4
2	-----	RADIATOR — See Index	—	39A	4E-08	LKWSHR, Flange Half to Transmission	4
3	1529948	ELBOW, Hose to Radiator	1	40	19J24	FLANGE HALF, Hose to Transmission	2
4	10F-02	PLUG, Elbow	1	41	536224	ELBOW, Hose to Filter (Inc. 42)	1
5	18C-620	BOLT, Filter Mounting	4	42	91F-8	"O" RING, Elbow	1
5A	4E-06	LKWSHR, Filter Mounting	4	43	228190	FILTER ASSY, Trans. & Converter	1
6	1529949	ELBOW, Hose to Radiator	1	43A	215502	†CARTRIDGE KIT, Filter	2
7	10F-02	PLUG, Elbow	1	43B	18C-620	†BOLT, Filter Mounting	4
8	564386	CONNECTOR, Tube to Conv. (Inc. 8A)....	1	43C	4E-06	†LKWSHR, Filter Mounting	4
8A	91F-11	"O" RING, Connector	1	44	526676	ADAPTER UNION, Hose to Filter (Inc. 45)	1
9	356633	BUSHING, Adapter to Converter	1	45	91F-8	"O" RING, Elbow	1
10	570960	HOSE, Radiator to Cooler Line	1	46	558793	HOSE, Converter Pump to Trans.	1
11	568344	TUBE, Cooler to Transmission	1	47	58K-225	"O" RING, Flange Half	1
12	91F-11	"O" RING, Elbow	1	48	-----	TRANSMISSION — See Index	—
13	588820	ELBOW, Tube to Converter (Inc. 12) ..	1	49	58K-222	"O" RING, Flange Half	1
14	356626	BUSHING, Reducing — Check Valve to Converter	1	50	546831	HOSE, Converter Pump to Filter	1
15	227265	CHECK VALVE ASSY, Air Breather	1	51	31F-5	ADAPTER, Hose to Converter Pump ..	1
16	211433	BREATHER, Torque Converter	1	52	19J24	FLANGE HALF, Stem to Transmission	2
17	551323	SENDER UNIT, Converter Temperature	1	53	58K-225	"O" RING, Flange Half	1
18	14D-10	NUT, Sender Unit	1	54	17C-824	BOLT, Flange Half to Transmission ..	4
18A	14E-10	LKWSHR, Sender Unit	1	54A	4E-08	LKWSHR, Flange Half to Transmission	4
19	568824	PLUG, Filler	1	55	799020	STEM, Hose to Transmission	1
20	568823	DIPSTICK	1	56	540130	CLAMP, Hose to Stem	1
21	560640	GROMMET, Dipstick	1	57	536710	HOSE, Tube to Stem	1
22	17C-616	BOLT, Filler Plate Mounting	2	58	540130	CLAMP, Hose to Tube	1
22A	4E-06	LKWSHR, Filler Plate Mounting	2	59	5K-1020	NIPPLE, Tee to Converter	1
23	568807	FILLER PLATE ASSY	1	60	20F-45	TEE, Reducing	1
24	1545186	CLAMP, Filler Hose to Filler Plate	1	61	592849	STEM, Hose to Tee	1
25	568810	HOSE, Filler	1	62	568342	TUBE, Converter Drain	1
26	568821	*TUBE, Dipstick	1	63	540130	CLAMP, Hose	2
27	1545186	CLAMP, Filler Hose to Stem	1	64	536710	HOSE, Tube to Stem	1
28	667288	STEM, Filler Hose	1	65	587036	HOSE, Adapter to Tee	1
29	356621	BUSHING, Reducing — Filler Stem to Transmission	1	66	-----	TORQUE CONVERTER — See Index ..	—
30	568345	TUBE, Converter to Transmission	1	67	550700	ADAPTER, Hose to Converter	1
31	17C-724	BOLT, Flange Half to Converter Pump	4	68	568343	TUBE, Converter to Filter	1
31A	4E-07	LKWSHR, Flange Half to Conv. Pump	4	69	91F-8	"O" RING, Connector	1
32	19J20	FLANGE HALF, Hose to Conv. Pump	2	70	755050	CONNECTOR, Tube to Filter (Inc. 69)	1
33	17K-10	ELBOW, Tube to Transmission (Inc. 34)	1	71	1533614	FILTER ASSY, Transmission & Torque Converter Oil	1
34	91F-10	"O" RING, Elbow to Transmission	1	71A	215502	†CARTRIDGE KIT, Filter	2
35	91F-10	"O" RING, Hose to Transmission	1	72	91F-8	"O" RING, Connector	1
36	91F-10	"O" RING, Connector to Transmission	1	73	755050	CONNECTOR, Tube to Filter (Inc. 72)	1
37	15K-10	CONNECTOR, Tube to Trans. (Inc. 36)	1	74	570893	TUBE, Filter to Cooler	1
38	568340	HOSE, Filter to Transmission (Inc. 35)	1				

†Not Illustrated

*NOTE: For replacement use 1 — 1502877 Tube, 1 — 743563 Hose & 2 — 521874 Clamps

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



HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER – CUMMINS
For Serial: 8AFC101 thru 10AFC150

TS-7085-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS

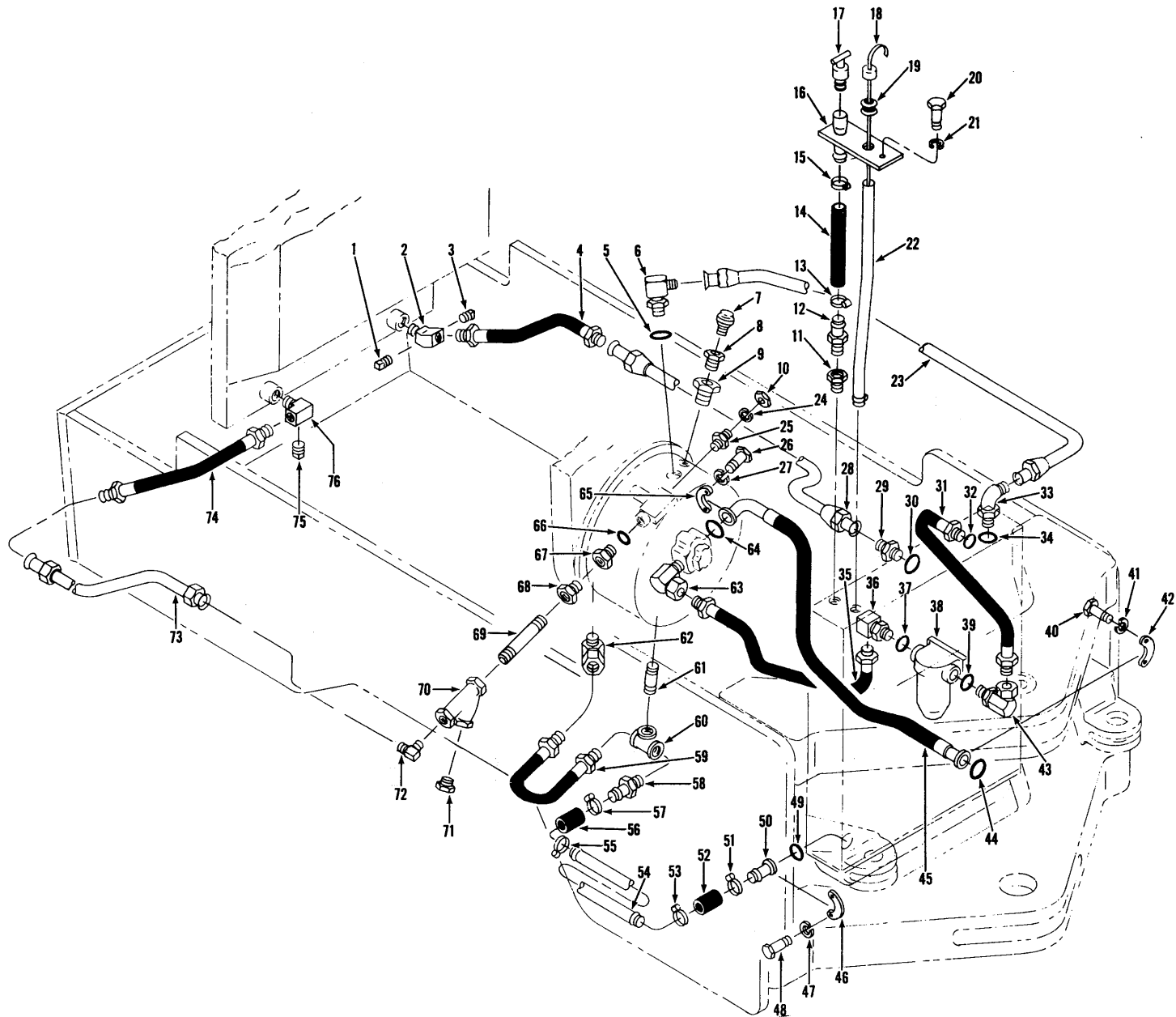
For Serial: 8AFC101 thru 10AFC150

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1529949	ELBOW, Hose to Radiator	1	39	568340	HOSE, Filter to Transmission (Inc. 32)	1
2	10F-02	PLUG, Elbow	1	40	17C-824	BOLT, Flange Half to Transmission	4
3	570960	HOSE, Radiator to Cooler Line	1	41	4E-08	LKWSHR, Flange Half to Transmission	4
4	-----	TORQUE CONVERTER — See Index	—	42	19J24	FLANGE HALF, Hose to Transmission	2
5	58K-222	"O" RING, Flange Half	1	43	91F-8	"O" RING, Adapter Union	1
6	568344	TUBE, Cooler to Transmission	1	44	526676	ADAPTER UNION, Hose to Filter (Inc. 43)	1
7	91F-10	"O" RING, Elbow	1	45	558793	HOSE, Converter Pump to Transmission	1
8	588820	ELBOW, Tube to Converter (Inc. 7)	1	46	58K-225	"O" RING, Flange Half	1
9	356626	BUSHING, Reducing — Check Valve to Converter	1	47	-----	TRANSMISSION — See Index	—
10	227265	CHECK VALVE, Air Breather	1	48	546831	HOSE, Converter Pump to Filter	1
11	211433	BREATHER, Torque Converter Air	1	49	19J24	FLANGE HALF, Stem to Transmission	2
12	551323	SENDER UNIT, Converter Temperature	1	50	58K-225	"O" RING, Flange Half	1
13	14E-10	LKWSHR, Sender Unit	1	51	4E-08	LKWSHR, Flange Half to Transmission	4
14	14D-10	NUT, Sender Unit	1	52	17C-824	BOLT, Flange Half to Transmission	4
15	568807	FILLER PLATE ASSY	1	53	799020	STEM, Hose to Transmission	1
16	568824	PLUG, Filler	1	54	540130	CLAMP, Hose to Stem	1
17	568823	DIPSTICK	1	55	536710	HOSE, Stem to Tube	1
18	560640	GROMMET, Dipstick	1	56	540130	CLAMP, Hose to Tube	1
19	17C-616	BOLT, Filler Plate Mounting	2	57	31F-5	ADAPTER, Hose to Pump	1
20	4E-06	LKWSHR, Filler Plate Mounting	2	58	20F-45	TEE, Reducing	1
21	1545186	CLAMP, Filler Hose to Filler Plate	1	59	568342	TUBE, Converter Drain	1
22	568821	*TUBE, Dipstick	1	60	592849	STEM, Hose to Tee	1
23	568810	HOSE, Filler	1	61	540130	CLAMP, Hose	2
24	1545186	CLAMP, Filler Hose to Stem	1	62	536710	HOSE, Tube to Stem	1
25	667288	STEM, Filler Hose	1	63	587036	HOSE, Adapter to Tee	1
26	356621	BUSHING, Reducing — Filler Stem to Transmission	1	64	5K-1020	NIPPLE, Tee to Converter	1
27	17C-724	BOLT, Flange Half to Converter Pump	4	65	550700	ADAPTER, Hose to Converter	1
28	4E-07	LKWSHR, Flange Half to Converter Pump	4	66	356633	BUSHING, Adapter to Housing	1
29	19J20	FLANGE HALF, Hose to Converter Pump	2	67	564386	CONNECTOR, Hose to Converter (Inc. 67A)	1
30	15K-10	CONNECTOR, Tube to Transmission (Inc. 31)	1	67A	91F-11	†"O" RING, Connector	1
31	91F-10	"O" RING, Connector	1	68	18C-620	BOLT, Filter Mounting	4
32	91F-10	"O" RING, Hose	1	69	4E-06	LKWSHR, Filter Mounting	4
33	17K-10	ELBOW, Tube to Transmission (Inc. 35)	1	70	91F-8	"O" RING, Hose	1
34	568345	TUBE, Converter to Transmission	1	71	574496	HOSE, Converter to Filter (Inc. 70)	1
35	91F-10	"O" RING, Elbow to Transmission	1	72	1533614	FILTER ASSY, Transmission & Converter (Inc. 72A)	1
36	536224	ELBOW, Hose to Filter (Inc. 37)	1	72A	215502	†CARTRIDGE KIT, Filter	2
37	91F-8	"O" RING, Elbow	1	73	91F-8	"O" RING, Connector	1
38	228190	FILTER ASSY, Transmission & Converter Oil (Inc. 38A)	1	74	755050	CONNECTOR, Tube to Filter (Inc. 73)	1
38A	215502	†CARTRIDGE KIT, Filter	2	75	570893	TUBE, Filter to Hose	1
38B	18C-620	†BOLT, Filter Mounting	4	76	570960	HOSE, Tube to Radiator	1
38C	4E-06	†LKWSHR, Filter Mounting	4	77	-----	FRAME, Rear — See Index	—
				78	10F-02	PLUG, Elbow	1
				79	1529948	ELBOW, Hose to Radiator	1
				80	-----	RADIATOR — See Index	—

†Not Illustrated

*NOTE: For replacement use 1502877 plus 1 — 743563 Hose & 2 — 521874 Clamps.

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



HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER
For Serial: Cummins – 10AFC151 thru 11AFC999, G.M. – 11AFG101 thru 11AFG999

TS-8133-P



CONSTRUCTION MACHINERY DIVISION



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

For Serial: Cummins — 10AFC101 thru 11AFC999

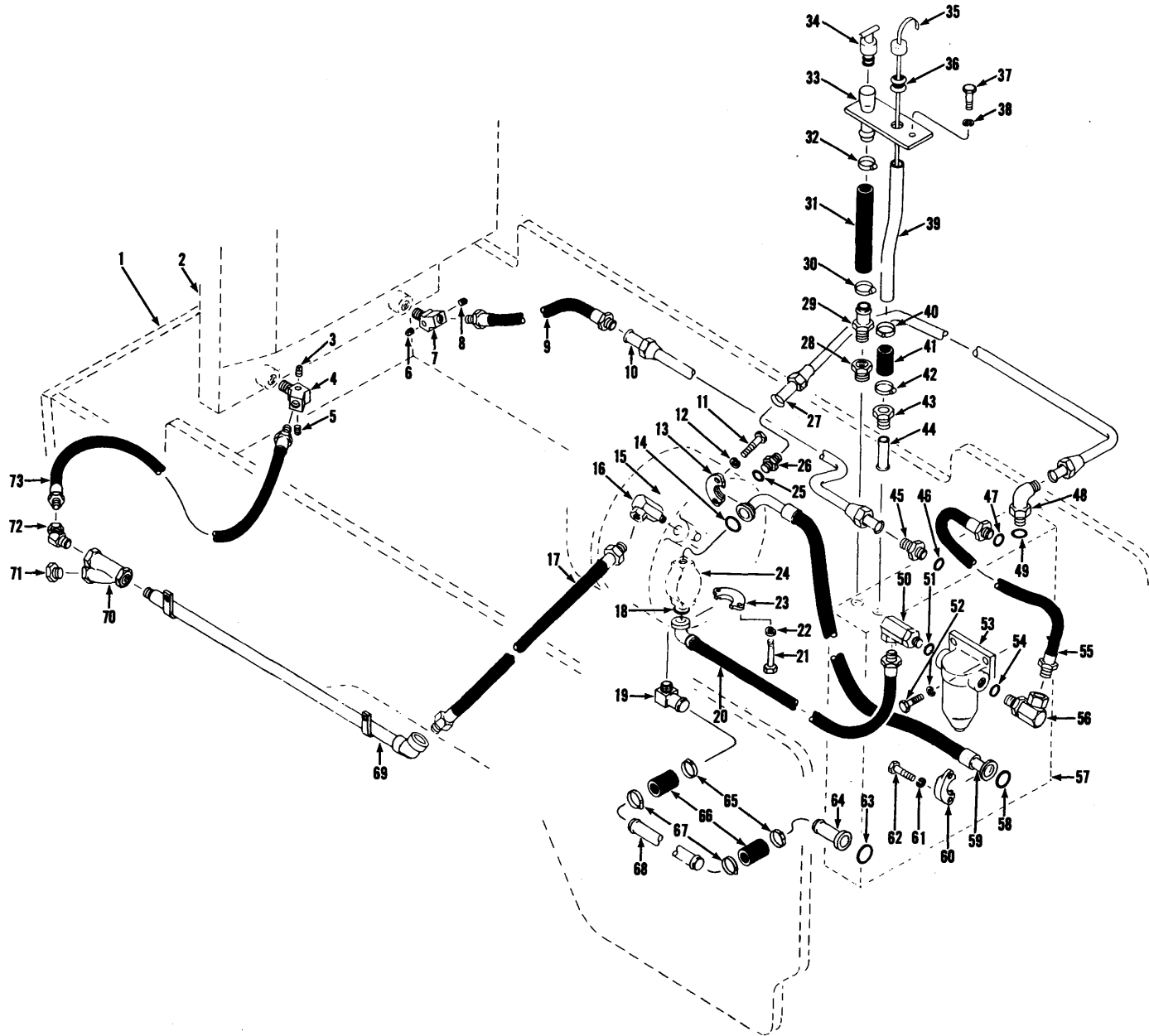
G.M. — 11AFG101 thru 11AFG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	10F-02	PLUG, Elbow	1	38B	18C-620	†BOLT, Filter Mounting	4
2	1529949	ELBOW, Hose to Radiator	1	38C	4E-06	†LKWSHR, Filter Mounting	4
3	10F-02	PLUG, Elbow	1	39	91F-8	"O" RING, Adapter Union	1
4	570960	HOSE, Radiator to Cooler Line	1	40	17C-824	BOLT, Flange Half to Transmission	4
5	91F-10	"O" RING, Elbow	1	41	4E-08	LKWSHR, Flange Half to Transmission	4
6	588820	ELBOW, Tube to Converter (Inc. 5)	1	42	19J24	FLANGE HALF, Hose to Transmission	2
7	211433	BREATHER, Torque Converter	1	43	526676	ADAPTER UNION (Inc. 39)	1
8	227265	CHECK VALVE ASSEMBLY, Air Breather	1	44	58K-225	"O" RING, Flange Half	1
9	356626	BUSHING, Reducing	1	45	558793	HOSE, Pump to Transmission	1
10	14D-10	NUT, Sender Unit	1	46	19J24	FLANGE HALF, Stem to Transmission	2
11	356621	BUSHING, Reducing	1	47	4E-08	LKWSHR, Flange Half to Transmission	4
12	667288	STEM, Filler Hose	1	48	17C-824	BOLT, Flange Half to Transmission	4
13	1545186	CLAMP, Filler Hose to Stem	1	49	58K-225	"O" RING, Flange Half	1
14	568810	HOSE, Filler	1	50	799020	STEM, Hose to Transmission	1
15	1545186	CLAMP, Filler Hose to Filler Plate	1	51	540130	CLAMP, Hose to Stem	1
16	568807	FILLER PLATE ASSY	1	52	536710	HOSE, Stem to Tube	1
17	568824	PLUG, Filler	1	53	540130	CLAMP, Hose to Tube	1
18	568823	DIPSTICK	1	54	568342	TUBE, Converter Drain	1
19	560640	GROMMET, Dipstick	1	55	540130	CLAMP, Hose to Tube	1
20	17C-616	BOLT, Filler Plate Mounting	2	56	536710	HOSE, Tube to Stem	1
21	4E-06	LKWSHR, Filler Plate Mounting	2	57	540130	CLAMP, Hose to Stem	1
22	1502877	*TUBE, Dipstick	1	58	592849	STEM, Hose to Tee	1
23	568345	TUBE, Converter to Transmission	1	59	587036	HOSE, Adapter to Tee	1
24	14E-10	LKWSHR, Sender Unit	1	60	20F-45	TEE, Reducing	1
25	551323	SENDER UNIT, Torque Converter Temperature	1	61	5K-1020	NIPPLE, Tee to Converter	1
26	17C-724	BOLT, Flange Half to Pump	4	62	550700	ADAPTER, Hose to Converter	1
27	4E-07	LKWSHR, Flange Half to Pump	4	62A	356633	†BUSHING, Adapter to Converter Reducing	1
28	568344	TUBE, Cooler to Transmission	1	63	31F-5	ADAPTER, Hose to Pump	1
29	15K-10	CONNECTOR, Tube to Transmission (Inc. 30)	1	64	58K-222	"O" RING, Flange Half	1
30	91F-10	"O" RING, Connector	1	65	19J20	FLANGE HALF, Hose to Pump	2
31	568340	HOSE, Transmission to Filter (Inc. 32)	1	66	91F-11	"O" RING, Adapter	1
32	91F-10	"O" RING, Hose	1	67	588399	ADAPTER (Inc. 66)	1
33	17K-10	ELBOW, Tube to Transmission (Inc. 34)	1	68	356621	BUSHING, Reducing	1
34	91F-10	"O" RING, Elbow	1	69	5K-642	NIPPLE, Pipe	1
35	546831	HOSE, Pump to Filter	1	70	1532819	STRAINER (Inc. 70A)	1
36	536224	ADAPTER UNION, Hose to Filter (Inc. 37)	1	70A	946943	†SCREEN, Strainer	1
37	91F-8	"O" RING, Adapter Union	1	71	40K-06	PLUG, Pipe	1
38	1533614	FILTER ASSY, Transmission & Torque Converter (Inc. 38A)	1	72	675469	ELBOW, Tube to Strainer	1
38A	215502	†CARTRIDGE KIT, Filter	2	73	1532893	TUBE, Hose to Strainer	1
				74	570960	HOSE, Tube to Radiator	1
				75	10F-02	PLUG, Elbow	1
				76	1529948	ELBOW, Hose to Radiator	1

†Not Illustrated

*NOTE: When replacing item 22 on machines prior to 11AFC126 or 11AFG141, 1-743563 & 2-521874 Clamps must also be used.

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



HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER
For Serial: Cummins-12AFC101 & After. G.M.-12AFG101 & After

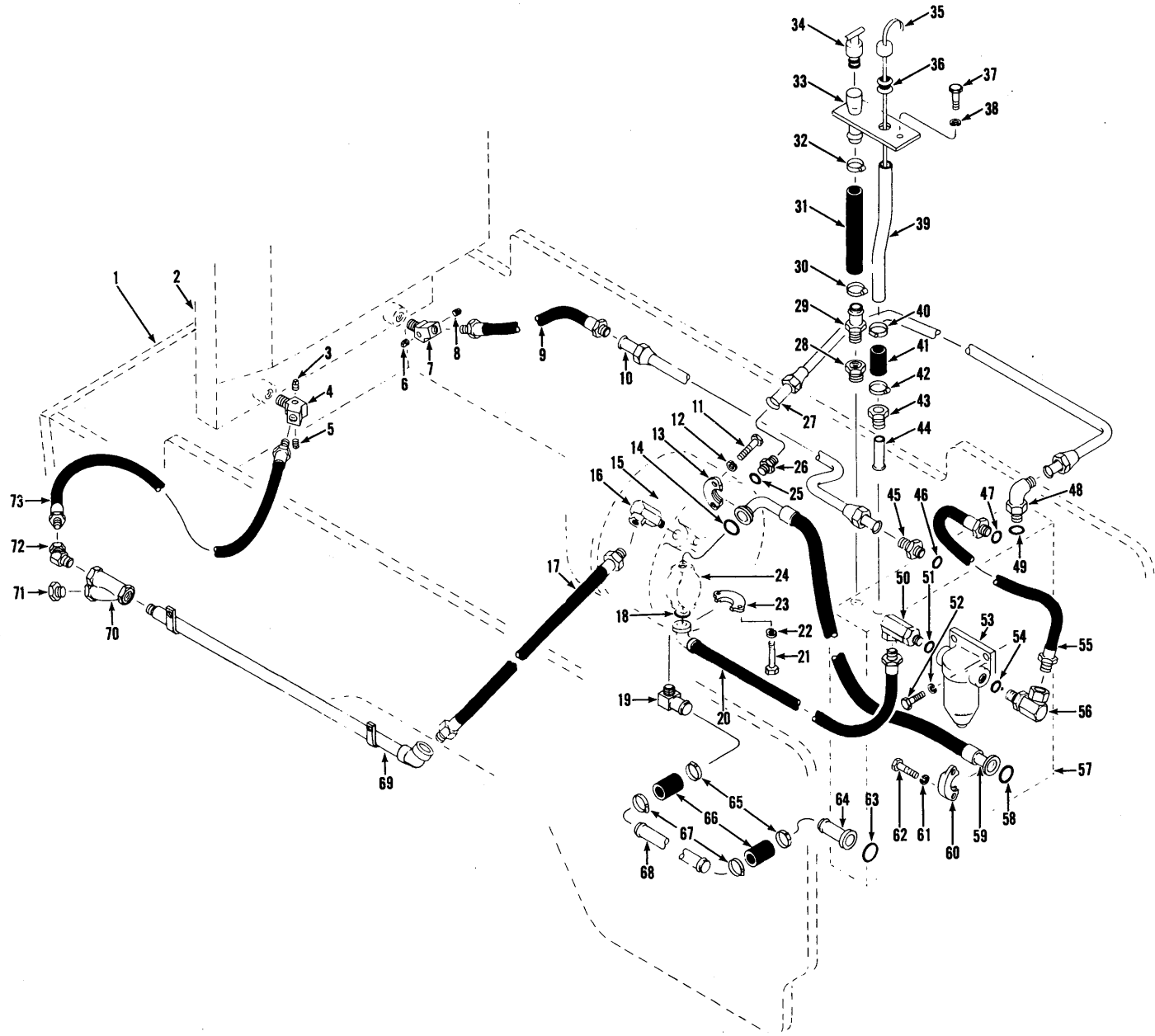
TS-8880-P

HYDRAULIC SYSTEM—TRANSMISSION AND TORQUE CONVERTER

**For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after**

Item No.	Part No.	Description	No. Req'd.
1	-----	REAR FRAME — See Index.....	—
2	-----	RADIATOR ASSEMBLY — See Index.....	—
3	-----	OMIT, Not Used.....	—
4	1529948	ELBOW, Hose to Radiator.....	1
5	10F-02	PLUG, Elbow.....	1
6	10F-02	PLUG, Elbow.....	1
7	1529949	ELBOW, Hose to Radiator.....	1
8	10F-02	PLUG, Elbow.....	1
9	570960	HOSE, Radiator to Cooler Tube.....	1
10	568344	TUBE, Radiator to Transmission.....	1
11	23C-724	BOLT, Flange Half.....	4
12	4E-07	LKWSHR, Flange Half.....	4
13	19J20	FLANGE HALF, Hose to Pump.....	2
14	58K-222	O-RING, Flange Half.....	1
15	-----	TORQUE CONVERTER ASSEMBLY — See Index.....	—
16	1520566	ADAPTER UNION, Hose to Converter.....	1
17	546803	HOSE, Tube to Converter.....	1
18	58K-219	O-RING, Flange Half.....	1
19	1311282	ELBOW, Hose to Converter.....	1
20	1533253	HOSE, Pump to Filter.....	1
21	23C-620	BOLT, Flange Half.....	4
22	4E-06	LKWSHR, Flange Half.....	4
23	19J16	FLANGE HALF, Hose to Pump.....	2
24	-----	PUMP, Converter Charging — See Index.....	—
25	91F-10	O-RING.....	1
26	15K-10	CONNECTOR, Tube (Inc. 25).....	1
27	1533268	TUBE, Transmission to Converter.....	1
28	356621	BUSHING, Reducing.....	1
29	667288	STEM, Filler Hose.....	1
30	1545186	CLAMP, Hose to Stem.....	1
31	568810	HOSE, Filler.....	1
32	1545186	CLAMP, Hose to Filler Plate.....	1
33	568807	FILLER PLATE ASSEMBLY.....	1
34	568824	PLUG, Filler.....	1
35	568823	DIPSTICK.....	1
36	560640	GROMMET, Dipstick.....	1
37	23C-616	BOLT, Filler Plate Mounting.....	2
38	4E-06	LKWSHR, Filler Plate Mounting.....	2
39	1502877	TUBE, Dipstick.....	1
40	521874	CLAMP, Hose to Tube.....	1
41	743563	HOSE, Tube to Tube (3½" lg.).....	1

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



HYDRAULIC SYSTEM – TRANSMISSION AND TORQUE CONVERTER
For Serial: Cummins-12AFC101 & After. G.M.-12AFG101 & After

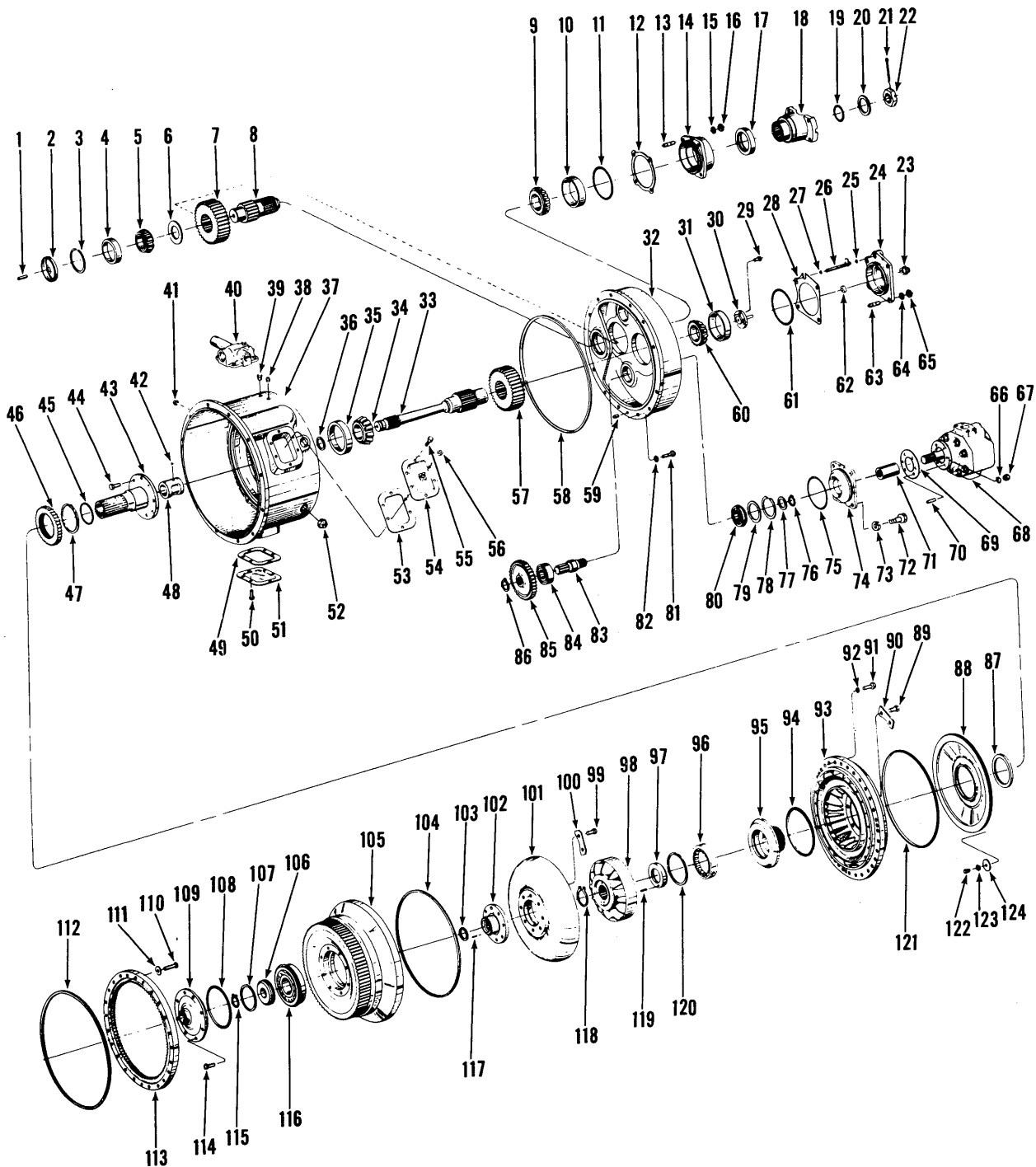
TS-8880-P

HYDRAULIC SYSTEM—TRANSMISSION AND TORQUE CONVERTER (Continued)
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

Item No.	Part No.	Description	No. Req'd.
42	521874	CLAMP, Hose to Tube	1
43	92F-7	NUT, Tube	1
44	1502876	TUBE, Dipstick	1
45	15K-10	CONNECTOR, Tube (Inc. 46)	1
46	91F-10	O-RING, Connector	1
47	91F-10	O-RING, Hose	1
48	17K-10	ELBOW, Tube to Transmission (Inc. 49)	1
49	91F-10	O-RING, Elbow	1
50	526676	ADAPTER UNION, Hose to Filter (Inc. 51)	1
51	91F-8	O-RING, Adapter Union	1
52	24C-620	BOLT, Filter Mounting	4
52A	4E-06	LKWSHR, Filter Mounting	4
53	1533614	FILTER ASSY, Transmission & Torque Converter (Inc. 53A)	1
53A	215502	CARTRIDGE KIT, Filter	1
54	91F-8	O-RING, Adapter Union	1
55	568340	HOSE, Transmission to Filter (Inc. 47)	1
56	526676	ADAPTER UNION, Hose to Filter (Inc. 54)	1
57	-----	TRANSMISSION ASSEMBLY — See Index	—
58	58K-225	O-RING, Flange Half	1
59	558793	HOSE, Pump to Transmission	1
60	19J24	FLANGE HALF, Hose to Transmission	2
61	4E-08	LKWSHR, Flange Half	4
62	23C-824	BOLT, Flange Half	4
63	58K-225	O-RING, Stem to Transmission	1
64	799020	STEM, Hose to Transmission	1
64A	19J24	†FLANGE HALF, Stem to Transmission	2
64B	23C-824	†BOLT, Flange Half	4
64C	4E-08	†LKWSHR, Flange Half	4
65	540130	CLAMP, Hose	2
66	536710	HOSE	2
67	540130	CLAMP, Hose	2
68	1533267	TUBE, Converter Drain	1
69	1533261	TUBE, Hose to Strainer	1
70	1532819	STRAINER, Oil (Inc. 70A)	1
70A	946943	†SCREEN, Strainer	1
71	40K-06	PLUG, Strainer	1
72	33F-5	ADAPTER, Hose to Strainer	1
73	559453	HOSE, Strainer to Radiator	1
74	551323	†SENDER UNIT, Torque Converter Temperature	1
75	14E-10	†LKWSHR, Sender Unit	1
76	14D-10	†NUT, Sender Unit	1

†Not Illustrated

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



TORQUE CONVERTER ASSEMBLY – CUMMINS
For Serial: 7AFC101 Thru 7AFC999

TS-4987-P

TORQUE CONVERTER ASSEMBLY — CUMMINS

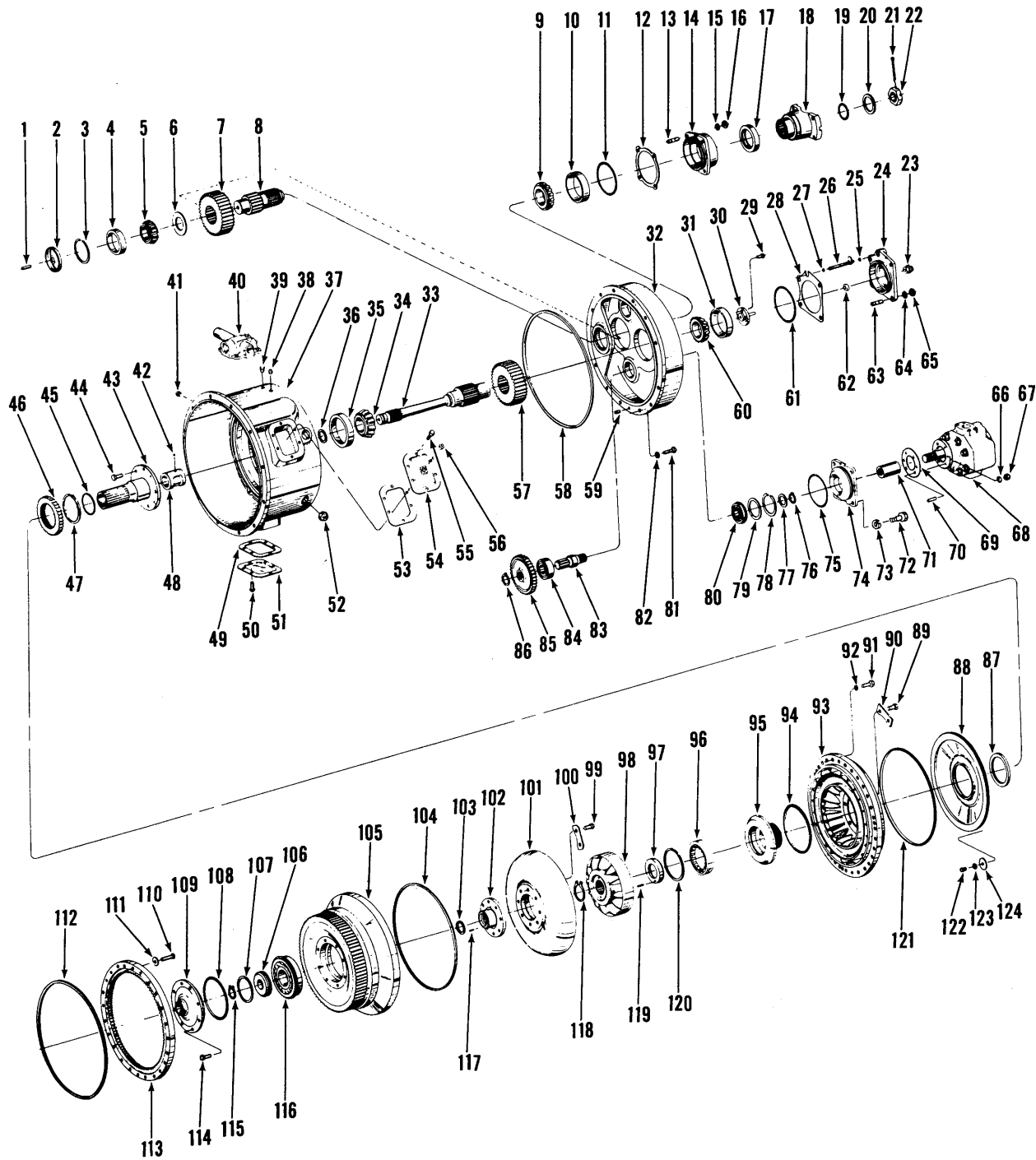
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	282425	CONVERTER ASSY (8402-7) (Inc. 1 thru 71, 76 thru 109, 113 thru 124)	1	30	218862	ADAPTER, Governor Drive	1
1	222031	TUBE, Oil	1	31	710790	CUP, Rear Turbine Shaft Bearing	1
2	222027	BAFFLE, Oil	1	32	227064	COVER, Rear Housing	1
3	223900	RING, Front Bearing Retaining	1	33	218731	SHAFT, Turbine	1
4	675543	CUP, Front Bearing	1	34	226027	CONE, Turbine Shaft Bearing	1
5	731283	CONE, Front Bearing	1	35	226026	CUP, Turbine Shaft Bearing	1
6	218738	SPACER, Front Bearing	1	36	223570	RING, Piston	1
7	218871	*GEAR, Output Shaft (36T)	1	37	227065	HOUSING, Converter	1
8	218733	SHAFT, Output	1	37A	17C-724	†BOLT, Conv. Hsg. to Flywheel Hsg.	10
9	710791	CONE, Rear Bearing	1	37B	17C-728	†BOLT, Conv. Hsg. to Flywheel Hsg.	2
10	710790	CUP, Rear Bearing	1	37C	4E-08	†LKWSHR, Conv. Hsg. to Flywheel Hsg.	12
11	25K-40420	"O" RING, Bearing Cap	1	38	40K-02	PLUG, Pipe	1
12	218742	‡SHIM, Bearing Cap — .004"	—	39	40K-04	PLUG, Pipe	1
12A	218743	‡SHIM, Bearing Cap — .007"	—	40	—	PRESSURE REGULATING VALVE — See Index	—
12B	218744	‡SHIM, Bearing Cap — .010"	—	41	40K-04	PLUG, Pipe	1
13	204347	STUD, Bearing Cap	4	42	10J-08	BALL, Oil Distributor Lock	1
14	218791	CAP, Bearing (Inc. 17)	1	43	218723	SLEEVE, Oil Distributor (Inc. 42, 48)	1
15	4E-08	LKWSHR, Bearing Cap	4	44	8C-820	BOLT, Sleeve to Housing	8
16	8D-08	NUT, Bearing Cap	4	45	209673	RING, Piston	1
17	225763	SEAL, Bearing Cap Oil	1	46	222035	GEAR, Oil Pump Drive (37T)	1
18	218748	FLANGE ASSY, Output	1	47	224009	RING, Gear Retaining	1
19	25K-60204	"O" RING, Flange	1	48	218725	SLEEVE, Oil Distributor	1
20	222181	WASHER, Flange	1	49	201400	GASKET, Plate to Housing	2
21	1F-632	COTTER, Flange Nut	1	50	208261	BOLT & LKWSHR, Inspection Cover	12
22	201262	NUT, Flange to Output Shaft	1	51	201398	COVER, Housing Inspection	2
23	202459	NUT, Tube	—	52	13F-20	PLUG, Drain	2
24	218752	CAP, Bearing	1	53	201400	GASKET, Plate to Housing	1
25	25K-30012	"O" RING, Lube Tube	1	54	226856	COVER ASSY, Housing Inspection	1
26	218737	TUBE, Lube	1	55	208261	BOLT, Inspection Cover	6
27	25K-30012	"O" RING, Lube Tube	1	56	16F-06	PLUG, Vent	1
28	218739	‡SHIM, Bearing Cap — .004"	—	57	218871	*GEAR, Turbine Shaft (36T)	1
28A	218740	‡SHIM, Bearing Cap — .007"	—	58	218779	"O" RING, Cover	1
28B	218741	‡SHIM, Bearing Cap — .010"	—	59	214295	PIN, Dowel	1
29	4C-612	BOLT, Governor Adapter to Shaft	3	60	710791	CONE, Rear Turbine Shaft Bearing	1

‡As Required
†Not Illustrated

*NOTE: When replacing item 7 or 57 both items must be replaced at the same time.

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



TORQUE CONVERTER ASSEMBLY – CUMMINS
For Serial: 7AFC101 thru 7AFC999

TS-4987-P

**CONSTRUCTION MACHINERY DIVISION
TORQUE CONVERTER ASSEMBLY — CUMMINS (Continued)
For Serial: 7AFC101 thru 7AFC999**

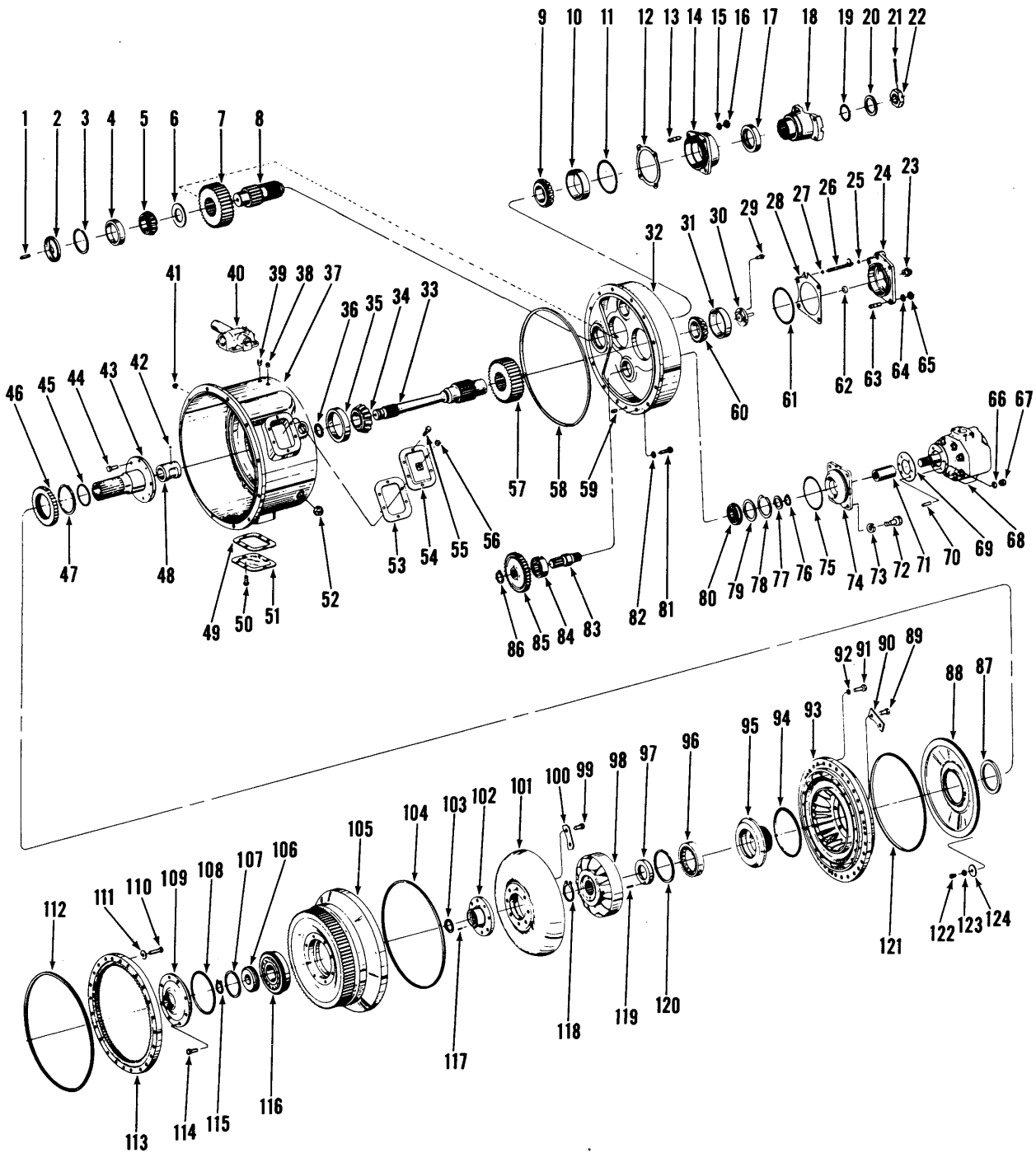
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
61	25K-40424	"O" RING, Bearing Cap	1	94	60K-40700	"O" RING, Impeller	1
62	226056	SEAL, Bearing Cap Oil	1	95	222269	HUB, Impeller	1
63	204347	STUD, Bearing Cap Attaching	4	96	225778	BEARING, Impeller Hub	1
64	4E-08	LKWSHR, Bearing Cap Attaching	4	97	218782	SPACER, Reaction Member	1
65	8D-08	NUT, Bearing Cap Attaching	4	98	218860	REACTION MEMBER ASSY (Inc. 97, 119)	1
66	4E-06	LKWSHR, Converter Pump Attaching	3	99	222223	BOLT, Turbine to Hub	8
67	8D-06	NUT, Converter Pump Attaching	3	100	222008	PLATE, Lock — Turbine to Hub	4
68	450161	*PUMP, Converter Charging	1	101	222268	TURBINE	1
69	235961	GASKET	1	102	218753	HUB, Turbine	1
70	203253	STUD, Converter Pump Attaching	3	103	223866	RING, Turbine Hub Retaining	1
71	221992	SLEEVE, Charging Pump	1	104	218778	"O" RING, Impeller to Cover	1
72	-----	**BOLT, Adapter to Housing	4	105	218870	COVER, Impeller	1
73	-----	**LKWSHR, Adapter to Housing	4	106	218855	RETAINER, Bearing	1
74	-----	**ADAPTER, Torque Converter Charging Pump	1	107	211323	RING, Piston	1
75	-----	**"O" RING, Adapter to Housing	1	108	60K-40608	"O" RING, Impeller Cap to Impeller Cover	1
76	224039	RING, Inner Bearing Washer Retaining	3	109	218717	CAP, Impeller Cover	1
77	100838	WASHER, Rear Bearing Inner	3	110	228985	STUD, Ring Gear	12
78	223961	RING, Outer Bearing Washer Retaining	3	110A	18D-06	NUT, Ring Gear	12
79	222038	WASHER, Rear Bearing Outer	3	111	228986	WASHER, Ring Gear Mounting	12
80	226025	BEARING, Rear Pump Shaft	3	111A	228987	†WASHER, Bellevue	24
81	1C-722	BOLT, Cover to Housing	12	112	219234	"O" RING, Converter to Flywheel	1
82	4E-07	LKWSHR, Cover to Housing	12	113	226595	GEAR, Flywheel Ring	1
83	216095	SHAFT, Pump Drive	3	114	8C-716	BOLT, Impeller Cover	8
84	225385	BEARING, Front Pump Shaft	3	115	663834	RING, Bearing Retaining	1
85	222037	GEAR, Pump Drive	3	116	225781	BEARING, Impeller Cover Front	1
86	224036	RING, Gear Retaining	3	117	221478	PIN, Turbine Hub Retaining Dowel	2
87	235593	SEAL, Oil Baffle	1	118	711161	RING, Reaction Member Retaining	1
88	218721	BAFFLE, Oil	1	119	302602	PIN, Reaction Member Spacer Roll	1
89	222221	BOLT, Impeller to Hub	8	120	223988	RING, Impeller Hub Bearing Snap	1
90	222019	PLATE, Lock — Impeller to Hub Bolt	4	121	218777	"O" RING, Oil Baffle	1
91	1C-622	BOLT, Impeller to Cover	30	122	1C-612	BOLT, Oil Baffle	3
92	4E-06	LKWSHR, Impeller to Cover	30	123	5E-06	LKWSHR, Oil Baffle	3
93	222271	IMPELLER	1	124	616786	WASHER, Oil Baffle	3
				125	17C-724	†BOLT, Conv. Hsg. to Flywheel Hsg.	2
				126	17C-728	†BOLT, Conv. Hsg. to Flywheel Hsg.	2
				127	4E-08	†LKWSHR, Conv. Hsg. to Flywheel Hsg.	12

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

**NOTE: These items are not used on this machine.

†Not Illustrated

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



TORQUE CONVERTER ASSEMBLY – CUMMINS
For Serial: 8AFC101 thru 8AFC999

TS-4987-P

TORQUE CONVERTER ASSEMBLY — CUMMINS

For Serial: 8AFC101 thru 8AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	282552	** CONVERTER ASSY (8402-9) (Inc. 1 thru 71, 76 thru 109, 113 thru 124)	1	30	218862	ADAPTER, Governor Drive	1
1	222031	TUBE, Oil	1	31	710790	CUP, Rear Turbine Shaft Bearing	1
2	222027	BAFFLE, Oil	1	32	227064	COVER, Rear Housing	1
3	223900	RING, Front Bearing Retaining	1	33	218731	SHAFT, Turbine	1
4	675543	CUP, Front Bearing	1	34	226027	CONE, Turbine Shaft Bearing	1
5	731283	CONE, Front Bearing	1	35	226026	CUP, Turbine Shaft Bearing	1
6	218738	SPACER, Front Bearing	1	36	223570	RING, Piston	1
7	218729	*GEAR, Output Shaft (34T)	1	37	227065	HOUSING, Converter	1
8	218733	SHAFT, Output	1	37A	17C-724	†BOLT, Conv. Hsg. to Flywheel Hsg.	10
9	710791	CONE, Rear Bearing	1	37B	17C-728	†BOLT, Conv. Hsg. to Flywheel Hsg.	2
10	710790	CUP, Rear Bearing	1	37C	4E-08	†LKWSHR, Conv. Hsg. to Flywheel Hsg.	12
11	25K-40420	"O" RING, Bearing Cap	1	38	40K-02	PLUG, Pipe	1
12	218742	‡SHIM, Bearing Cap — .004"	—	39	40K-04	PLUG, Pipe	1
12A	218743	‡SHIM, Bearing Cap — .007"	—	40	—	PRESSURE REGULATING VALVE — See Index	—
12B	218744	‡SHIM, Bearing Cap — .010"	—	41	40K-04	PLUG, Pipe	1
13	204347	STUD, Bearing Cap	4	42	10J-08	BALL, Oil Distributor Lock	1
14	218791	CAP, Bearing (Inc. 17)	1	43	218723	SLEEVE, Oil Distributor (Inc. 42, 48)	1
15	4E-08	LKWSHR, Bearing Cap	4	44	8C-820	BOLT, Sleeve to Housing	8
16	8D-08	NUT, Bearing Cap	4	45	209673	RING, Piston	1
17	225763	SEAL, Bearing Cap Oil	1	46	222035	GEAR, Oil Pump Drive (37T)	1
18	218748	FLANGE ASSY, Output	1	47	224009	RING, Gear Retaining	1
19	25K-60204	"O" RING, Flange	1	48	218725	SLEEVE, Oil Distributor	1
20	222181	WASHER, Flange	1	49	201400	GASKET, Plate to Housing	2
21	1F-632	COTTER, Flange Nut	1	50	208261	BOLT & LKWSHR, Inspection Cover	12
22	201262	NUT, Flange to Output Shaft	1	51	201398	COVER, Housing Inspection	2
23	202459	NUT, Tube	—	52	13F-20	PLUG, Drain	2
24	218752	CAP, Bearing	1	53	201400	GASKET, Plate to Housing	1
25	25K-30012	"O" RING, Lube Tube	1	54	226856	COVER ASSY, Housing Inspection	1
26	218737	TUBE, Lube	1	55	208261	BOLT, Inspection Cover	6
27	25K-30012	"O" RING, Lube Tube	1	56	16F-06	PLUG, Vent	1
28	218739	‡SHIM, Bearing Cap — .004"	—	57	218728	*GEAR, Turbine Shaft (38T)	1
28A	218740	‡SHIM, Bearing Cap — .007"	—	58	218779	"O" RING, Cover	1
28B	218741	‡SHIM, Bearing Cap — .010"	—	59	214295	PIN, Dowel	1
29	4C-612	BOLT, Governor Adapter to Shaft	3	60	710791	CONE, Rear Turbine Shaft Bearing	1

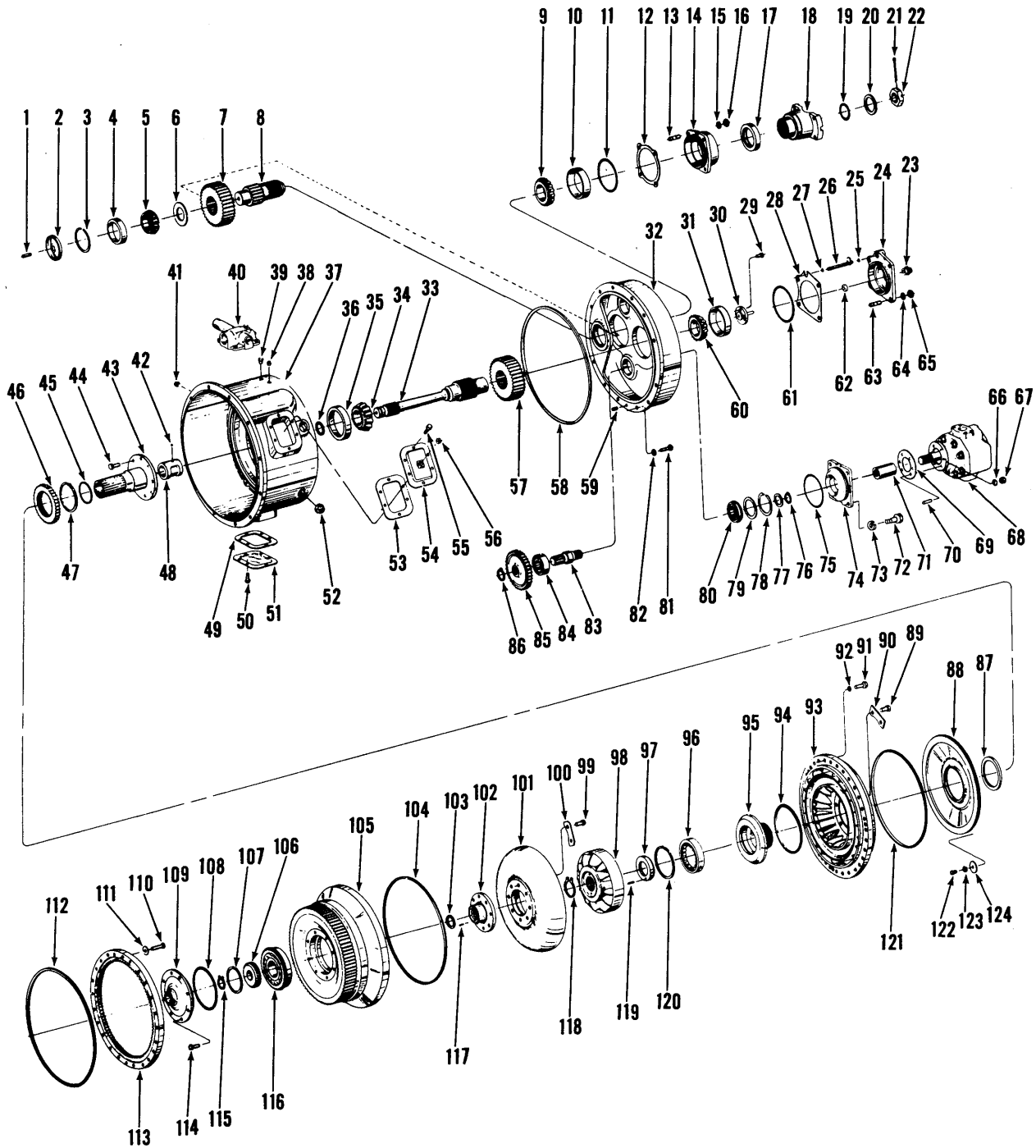
‡As Required

†Not Illustrated

*NOTE: When replacing item 7 or 57 both items must be replaced at the same time.

**NOTE: For complete replacement use 282666 Converter Assembly.

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



TORQUE CONVERTER ASSEMBLY - CUMMINS
For Serial: 8AFC101 thru 8AFC999

TS-4987-P



CONSTRUCTION MACHINERY DIVISION
TORQUE CONVERTER ASSEMBLY — CUMMINS (Continued)



For Serial: 8AFC101 thru 8AFC999

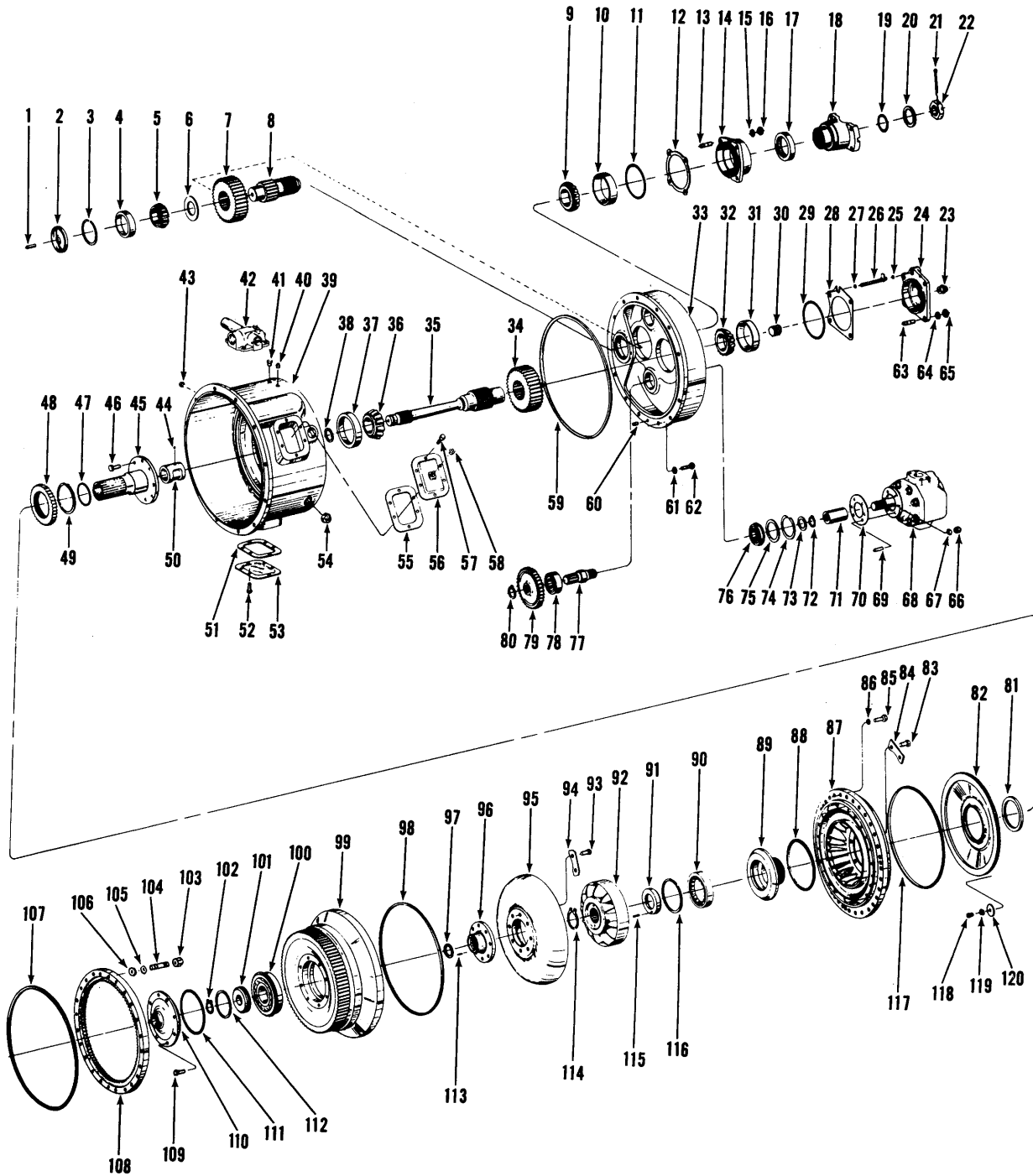
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
61	25K-40424	"O" RING, Bearing Cap	1	95	222269	HUB, Impeller	1
62	226056	SEAL, Bearing Cap Oil	1	96	225778	BEARING, Impeller Hub	1
63	204347	STUD, Bearing Cap Attaching	4	97	218782	SPACER, Reaction Member	1
64	4E-08	LKWSHR, Bearing Cap Attaching	4	98	218860	REACTION MEMBER ASSY (Inc. 97, 119)	1
65	8D-08	NUT, Bearing Cap Attaching	4	99	222223	BOLT, Turbine to Hub	8
66	4E-06	LKWSHR, Converter Pump Attaching	3	100	222008	PLATE, Lock — Turbine to Hub	4
67	8D-06	NUT, Converter Pump Attaching	3	101	222268	TURBINE	1
68	450245	*PUMP, Converter Charging	1	102	218753	HUB, Turbine	1
69	235961	GASKET	1	103	223866	RING, Turbine Hub Retaining	1
70	203258	STUD, Converter Pump Attaching	3	104	218778	"O" RING, Impeller to Cover	1
71	221992	SLEEVE, Charging Pump	1	105	218870	COVER, Impeller	1
72	-----	**BOLT, Adapter to Housing	—	106	218855	RETAINER, Bearing	1
73	-----	**LKWSHR, Adapter to Housing	—	107	211323	RING, Piston	1
74	-----	**ADAPTER, Torque Converter Charging Pump	—	108	60K-40608	"O" RING, Impeller Cap to Impeller Cover	1
75	-----	**"O" RING, Adapter to Housing	—	109	218717	CAP, Impeller Cover	1
76	224039	RING, Inner Bearing Washer Retaining	3	110	228985	STUD, Ring Gear Mounting	12
77	100838	WASHER, Rear Bearing Inner	3	110A	18D-06	†NUT, Ring Gear Mounting	12
78	223961	RING, Outer Bearing Washer Retaining	3	111	228986	WASHER, Ring Gear Mounting	12
79	222038	WASHER, Rear Bearing Outer	3	111A	228987	†WASHER, Belleville (Cupped)	24
80	226025	BEARING, Rear Pump Shaft	3	112	219234	"O" RING, Converter to Flywheel	1
81	1C-722	BOLT, Cover to Housing	12	113	226595	GEAR, Flywheel Ring	1
82	4E-07	LKWSHR, Cover to Housing	12	114	8C-716	BOLT, Impeller Cover	8
83	216095	SHAFT, Pump Drive	3	115	663834	RING, Bearing Retaining	1
84	225385	BEARING, Front Pump Shaft	3	116	225781	BEARING, Impeller Cover Front	1
85	222037	GEAR, Pump Drive	3	117	221478	PIN, Turbine Hub Retaining Dowel	2
86	224036	RING, Gear Retaining	3	118	711161	RING, Reaction Member Retaining	1
87	214941	SEAL, Oil Baffle	1	119	302602	PIN, Reaction Member Spacer Roll	1
88	218721	BAFFLE, Oil	1	120	223988	RING, Impeller Hub Bearing Snap	1
89	222221	BOLT, Impeller to Hub	8	121	218777	"O" RING, Oil Baffle	1
90	222019	PLATE, Lock — Impeller to Hub Bolt	4	122	1C-612	BOLT, Oil Baffle	3
91	1C-622	BOLT, Impeller to Cover	30	123	5E-06	LKWSHR, Oil Baffle	3
92	4E-06	LKWSHR, Impeller to Cover	30	124	616786	WASHER, Oil Baffle	3
93	222271	IMPELLER	1	125	17C-724	†BOLT, Conv. Hsg. to Flywheel Hsg.	10
94	60K-40700	"O" RING, Impeller	1	126	17C-728	†BOLT, Conv. Hsg. to Flywheel Hsg.	2
				127	4E-07	†LKWSHR, Conv. Hsg. to Flywheel Hsg.	12

†Not Illustrated

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

**NOTE: These items are not used on this machine.

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



TORQUE CONVERTER ASSEMBLY

For Serial: Cummins - 9AFC101 thru 11AFC999. G.M. - 11AFG101 thru 11AFG999

TS-8053-P



CONSTRUCTION MACHINERY DIVISION

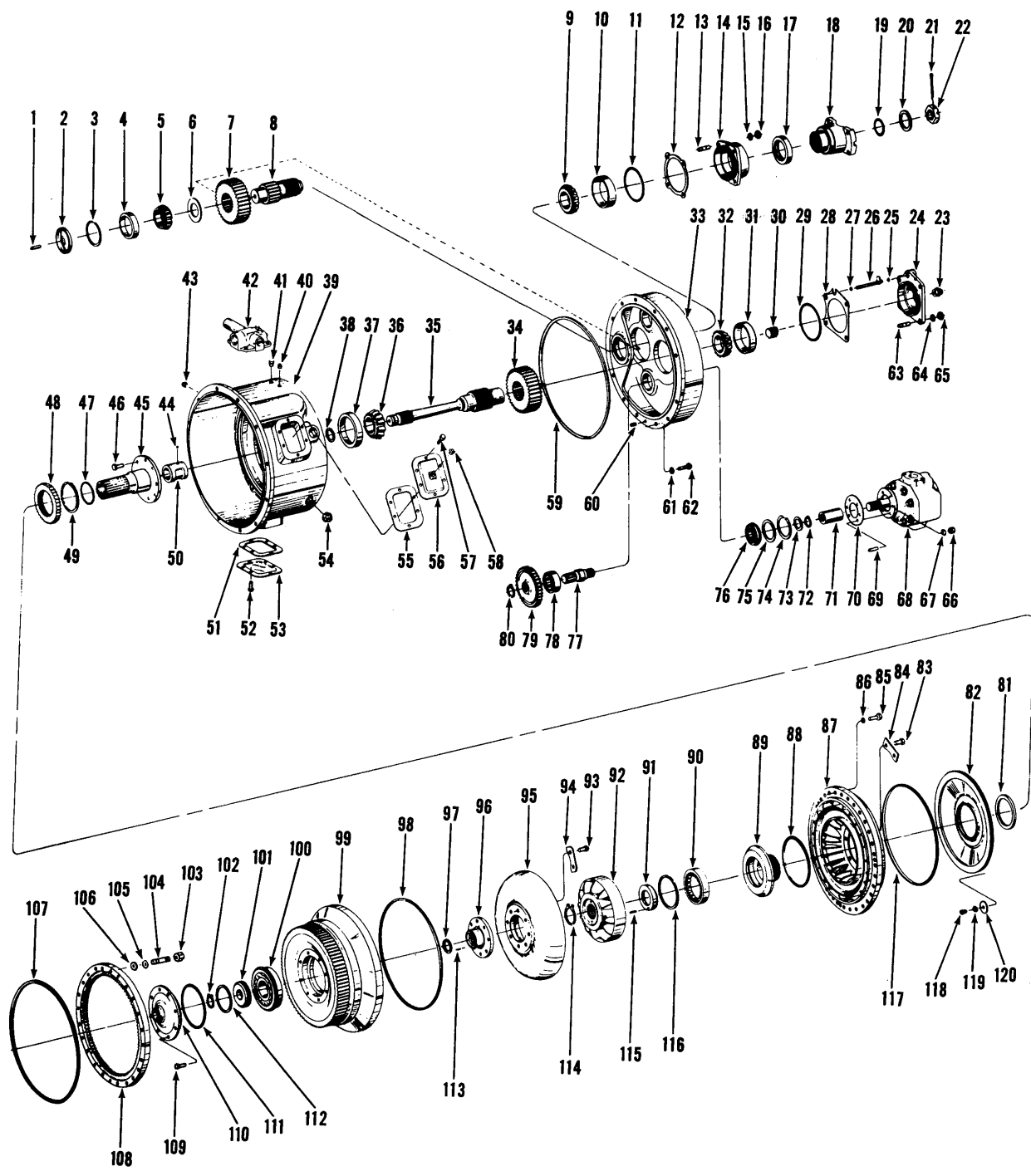


TORQUE CONVERTER ASSEMBLY
For Serial: Cummins - 9AFC101 thru 11AFC999
G.M. - 11AFG101 thru 11AFG999

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various components like CONVERTER ASSY, TUBE, OIL, RING, CUP, CONE, GEAR, SHAFT, etc., with their respective part numbers and quantities.

‡As Required
*NOTE: When Converter Charging Pump replacement is required, only a new factory-built and tested pump should be used. Proper operation of converter and transmission is dependent on an efficient charging pump. Damage by use of a field-rebuilt pump can result in repair cost exceeding cost of new pump alone.
**NOTE: When replacing Items 7 (218729) or 34 (218728) on machine serials 9AFC101 thru 9AFC170, 9AFC176 thru 9AFC179 and 9AFC185 both Gears must be replaced at the same time. Once conversion has been made, individual replacements can be made.

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



TORQUE CONVERTER ASSEMBLY

For Serial: Cummins - 9AFC101 thru 11AFC999. G.M. - 11AFG101 thru 11AFG999

TS-8053-P



CONSTRUCTION MACHINERY DIVISION



TORQUE CONVERTER ASSEMBLY (Continued)
For Serial: Cummins - 9AFC101 thru 11AFC999
G.M. - 11AFG101 thru 11AFG999

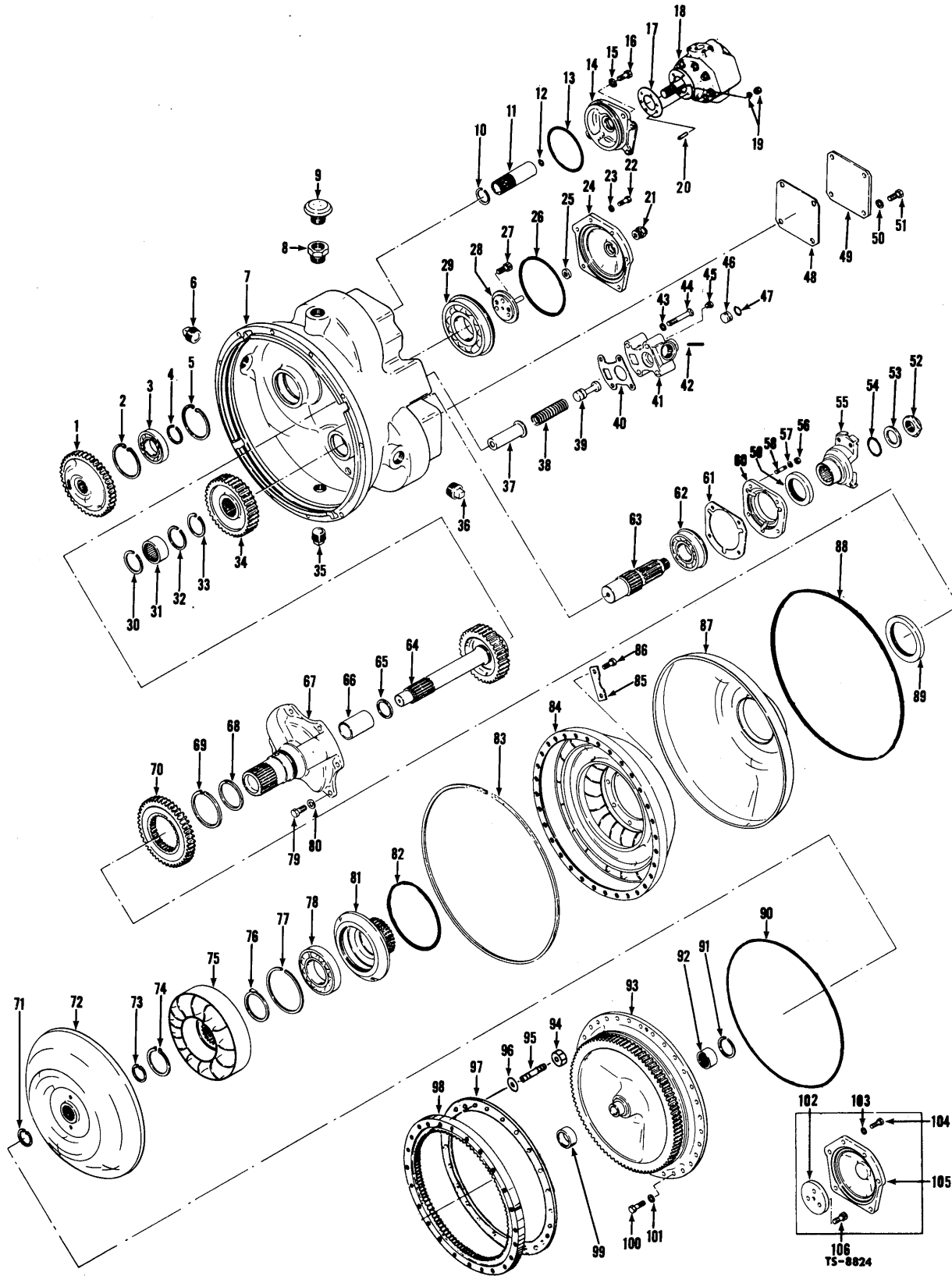
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts and their quantities for the torque converter assembly.

†Not Illustrated
***NOTE: For replacement use 24-235050 Stud plus 24-229769 Nut.

NOTES

Series of horizontal lines provided for handwritten notes.

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



TORQUE CONVERTER ASSEMBLY

For Serial: Cummins-12AFC101 & After. G.M.-12AFG101 & After

TS-8824-P

TORQUE CONVERTER ASSEMBLY
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

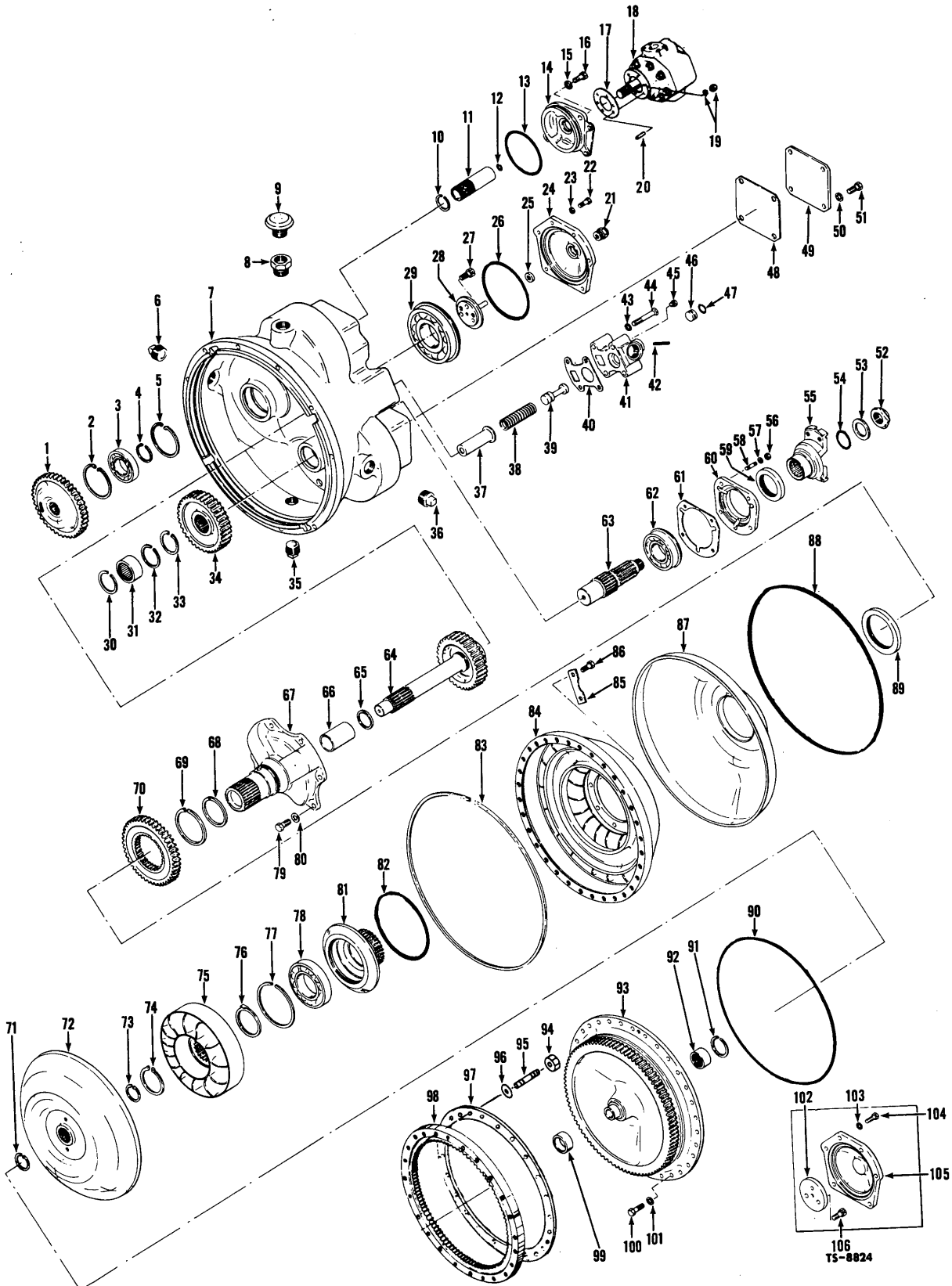
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	283007	CONVERTER ASSY (C-5402-2) (Inc. 1 thru 7, 10 thru 93, 97 thru 106A)	1	26	25K-40608	O-RING, Bearing Cap	1
B	229819	VALVE ASSY, Press. Regulating (Inc. 39, 41, 42, 45, 46, 47)	1	27	4C-820	BOLT, Adapter Mtg.	3
1	229784	GEAR, Pump Drive (41T)	3	27A	-----	†‡LOCKWIRE (16 Ga.)	—
2	711022	RING, Bearing Locating	3	28	229808	**ADAPTER, Tachometer Drive	1
3	225825	BEARING, Drive Gear	3	29	225781	BEARING, Turbine Shaft	1
4	224116	RING, Bearing Retaining	3	30	711406	RING, Bearing Retainer	1
5	711022	RING, Bearing Locating	3	31	229815	BEARING, Output Shaft Front	1
6	13F-16	PLUG, Converter Hsg.	1	32	711406	RING, Bearing Retainer	1
7	229792	HOUSING, Converter	1	33	660564	RING, Gear Retaining	1
8	227265	VALVE, Check	1	34	229777	GEAR, Output Shaft (34T) ...	1
9	211433	BREATHER, Air	1	35	13F-16	PLUG, Converter Hsg.	1
10	659041	RING, Sleeve Ret.	1	36	13F-16	PLUG, Converter Hsg.	1
11	230234	SLEEVE, Pump Drive (Inc. 10, 12)	1	37	229801	RETAINER, Valve Spring	1
12	224104	RING, Sleeve Ret.	1	38	229820	SPRING, Reg. Valve	1
13	25K-40416	O-RING, Adapter Mtg.	1	39	228500	PISTON, Reg. Valve	1
14	227034	ADAPTER, Pump	1	40	229788	GASKET, Valve to Hsg.	1
15	4E-08	LKWSHR, Adapter Mtg.	4	41	229787	BODY, Press. Reg. Valve	1
16	1C-820	BOLT, Adapter Mtg.	4	42	633157	PIN, Valve Stop Roll	1
17	235961	GASKET, Pump Mtg.	1	43	4E-07	LKWSHR, Valve to Hsg.	4
18	450245	*PUMP, Conv. Charging	1	44	1C-748	BOLT, Valve to Hsg.	4
19	8D-06	NUT, Pump Mtg.	3	45	40K-04	PLUG, Internal Press. Tap	1
19A	4E-06	LKWSHR, Pump Mtg.	3	46	222041	STOP, Reg. Valve	1
20	203253	STUD, Pump Mtg.	3	47	58K-210	O-RING, Valve Stop	1
21	202459	**NUT, Tube	1	48	552161	GASKET, Cover	2
22	1C-618	BOLT, Cap Mtg.	6	49	216355	COVER, Oil Pump Hole	2
23	4E-06	LKWSHR, Cap Mtg.	6	50	4E-08	LKWSHR, Cover Mtg.	8
24	229809	**CAP, Tachometer Drive Brg. ...	1	51	1C-814	BOLT, Cover Mtg.	8
25	226056	**SEAL, Brg. Cap Oil	1	52	222960	NUT, Output Shaft	1
				53	222179	WASHER, Output Shaft	1
				54	25K-60116	O-RING, Output Flange	1
				55	222029	FLANGE, Output Shaft	1
				56	8D-06	NUT, Brg. Retainer	4
				57	4E-06	LKWSHR, Brg. Retainer	4

†Not Illustrated
‡As Required

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

**NOTE: For Converter equipped with Tachometer Drive feature.

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



TORQUE CONVERTER ASSEMBLY
For Serial: Cummins-12AFC101 & After. G.M.-12AFG101 & After

TS-8824-P

TORQUE CONVERTER ASSEMBLY (Continued)
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
58	207647	STUD, Brg. Retainer	4	87	229813	BAFFLE, Oil	1
59	209587	SEAL, Brg. Retainer Oil	1	88	229804	RING, Oil Baffle Seal	1
60	229794	RETAINER, Output Brg. (Inc. 59)	1	89	214941	SEAL, Oil Baffle Oil	1
61	229793	GASKET, Brg. Retainer	1	90	218778	O-RING, Impeller to Impeller Cover	1
62	225842	BEARING, Output Shaft Rear	1	91	223887	RING, Cover Bearing Ret.	1
63	229776	SHAFT, Output	1	92	229814	BEARING, Impeller Cover	1
64	229838	SHAFT & GEAR ASSY, Turbine (38T)	1	93	232691	COVER, Impeller	1
65	223570	RING, Shaft Piston	1	94	229769	NUT, Ring Gear Mtg.	24
66	229806	SLEEVE, Stator Support	1	95	230275	STUD, Ring Gear Mtg. — See Note "B"	24
67	229810	SUPPORT, Stator (Inc. 66)	1	96	228987	WASHER, Belleville (Cupped)	72
68	209673	RING, Support Piston	1	97	230594	RING, Ring Gear Mtg.	1
69	224009	RING, Gear Ret.	1	98	226595	GEAR, Flywheel Ring	1
70	229807	GEAR, Impeller Hub (43T)	1	99	222006	SLEEVE, Impeller Cover	1
71	664141	RING, Turbine Hub Ret.	1	100	1C-720	BOLT, Impeller to Impeller Cover	24
72	229516	TURBINE (See Note "A")	1	101	4E-07	LKWSHR, Impeller to Impeller Cover	24
73	664141	RING, Turbine Hub Ret.	1	102	229803	***RETAINER, Turbine Shaft Bearing	1
74	507688	RING, Reaction Member Hub Ret.	1	103	4E-06	LKWSHR, Bearing Cap	6
75	229518	REACTION MEMBER	1	104	1C-618	BOLT, Bearing Cap	6
76	229802	SPACER, Reaction Member	1	105	229798	***CAP, Turbine Shaft Bearing ..	1
77	223988	RING, Impeller Hub Bearing Ret.	1	106	4C-820	BOLT, Bearing Retainer	3
78	230767	BEARING, Impeller Hub	1	106A	-----	†‡ LOCKWIRE (16 Ga.)	—
79	1C-820	BOLT, Stator Support	6	107	17C-728	† BOLT, Converter Hsg. to Flywheel Hsg.	12
80	4E-08	LKWSHR, Stator Support	6	108	4E-07	† LKWSHR, Converter Hsg. to Flywheel Hsg.	12
81	222269	HUB, Impeller	1	109	945815	† BUSHING, Flywheel Pilot — Cummins	1
82	60K-40700	O-RING, Impeller Hub	1	110	541221	† BUSHING, Flywheel Pilot — G.M.	1
83	229805	RING, Oil Baffle Retainer	1				
84	229517	IMPELLER	1				
85	222019	PLATE, Impeller to Hub Lock	4				
86	222221	BOLT, Impeller to Hub	8				

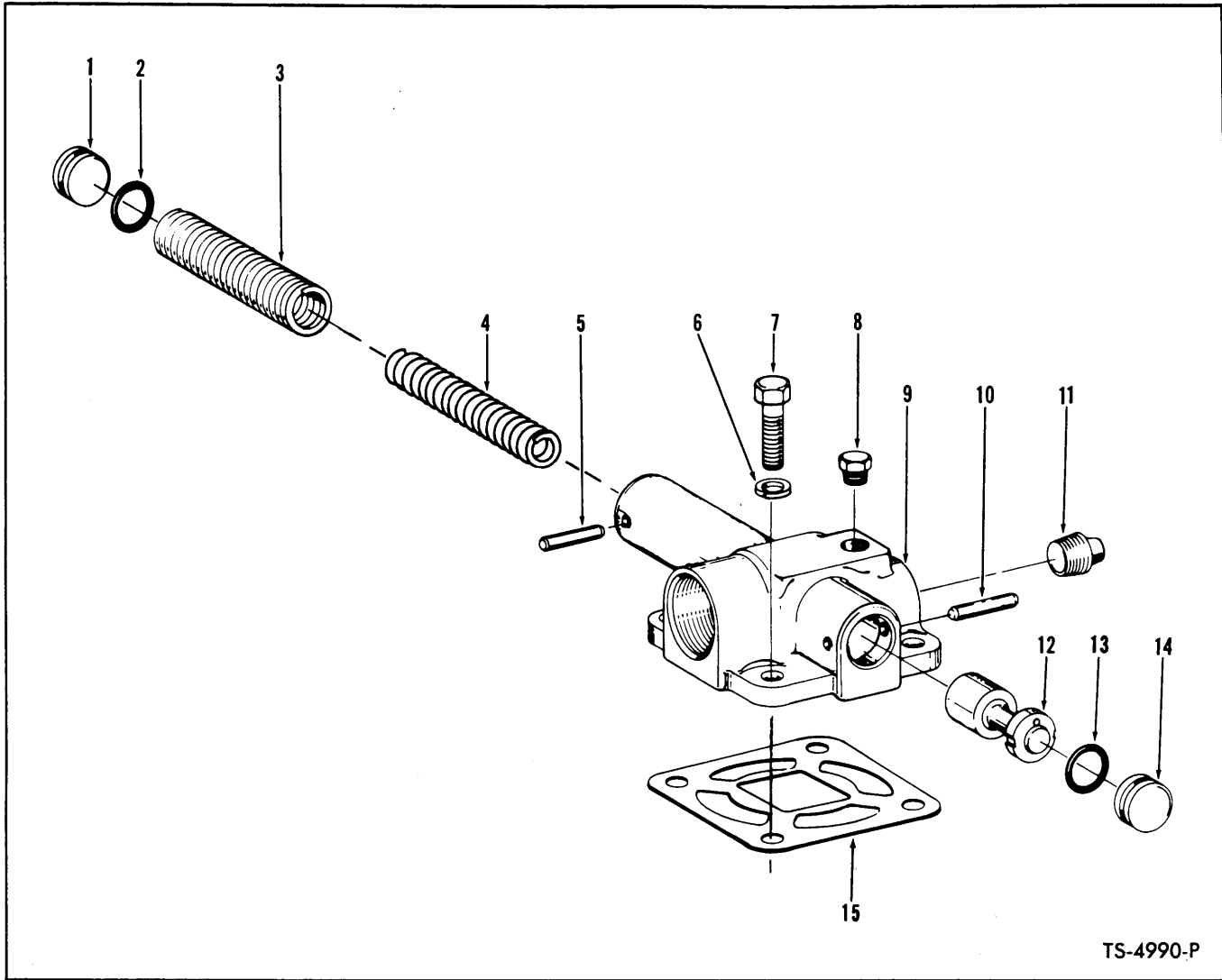
†Not Illustrated

‡As Required

***NOTE: For Converter equipped without Tachometer Drive feature.

NOTE "A": For replacement use 801933 Kit which consists of 1—236547 Turbine Thrust Washer plus 1—236551 Turbine.

NOTE "B": For replacement use 24—235050 Stud plus 24—229769 Nut.

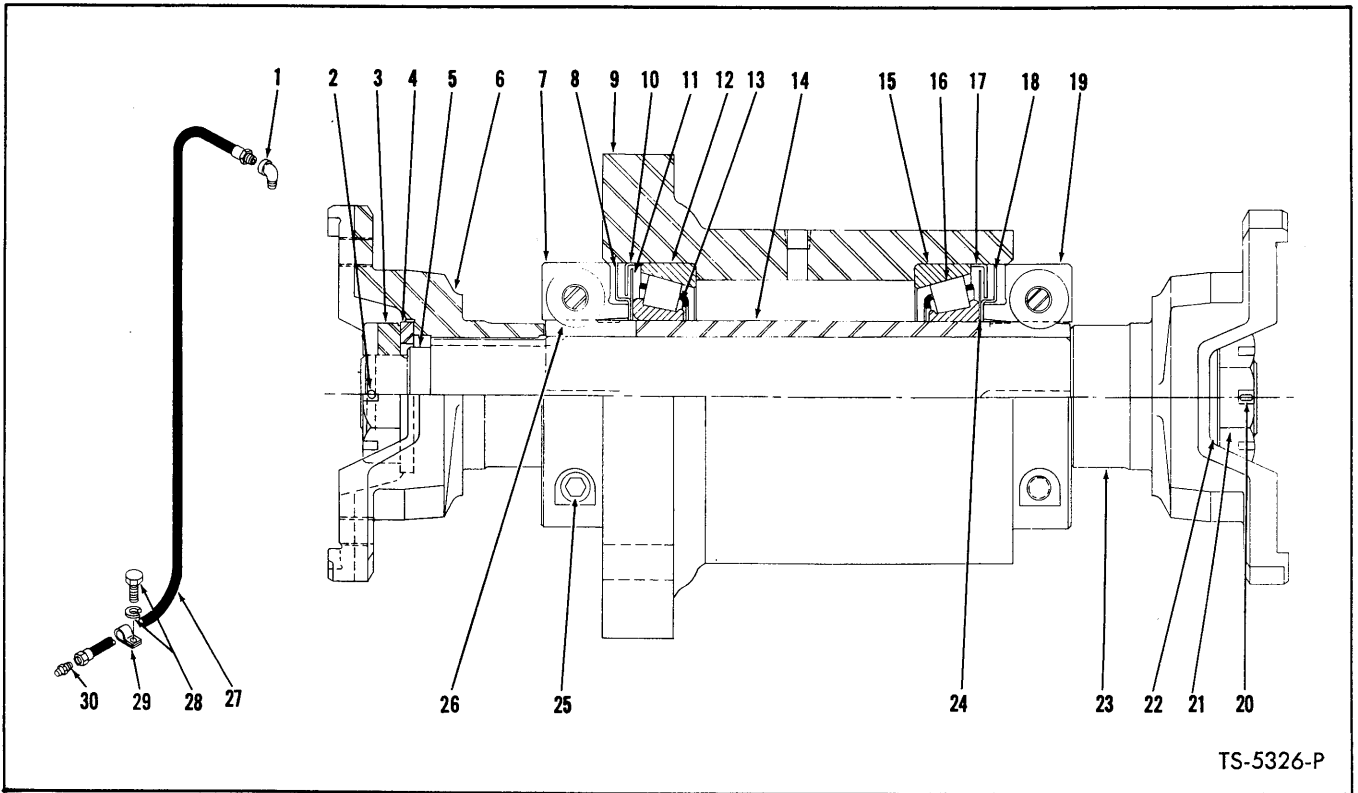


TS-4990-P

DOWNSTREAM PRESSURE REGULATING VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	228499	VALVE ASSY, Pressure Regulating (Inc. 1 thru 5, 8 thru 14)	1
1	222041	STOP, Piston	1
2	58K-210	"O" RING, Piston Stop	1
3	214668	SPRING, Pressure	1
4	227292	SPRING, Regulator	1
5	633157	PIN, Piston Stop	1
6	4E-07	LKWSHR, Valve to Converter Housing	4
7	1C-722	BOLT, Valve to Converter Housing	4
8	40K-04	PLUG, Pressure Tap	1
9	227076	BODY, Pressure Regulating Valve	1
10	633157	PIN, Piston Stop	1
11	13F-08	PLUG, Pipe	1
12	228500	PISTON, Regulating Valve	1
13	58K-210	"O" RING, Piston Stop	1
14	222041	STOP, Piston	1
15	227087	GASKET, Valve to Converter Housing	1

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



TS-5326-P

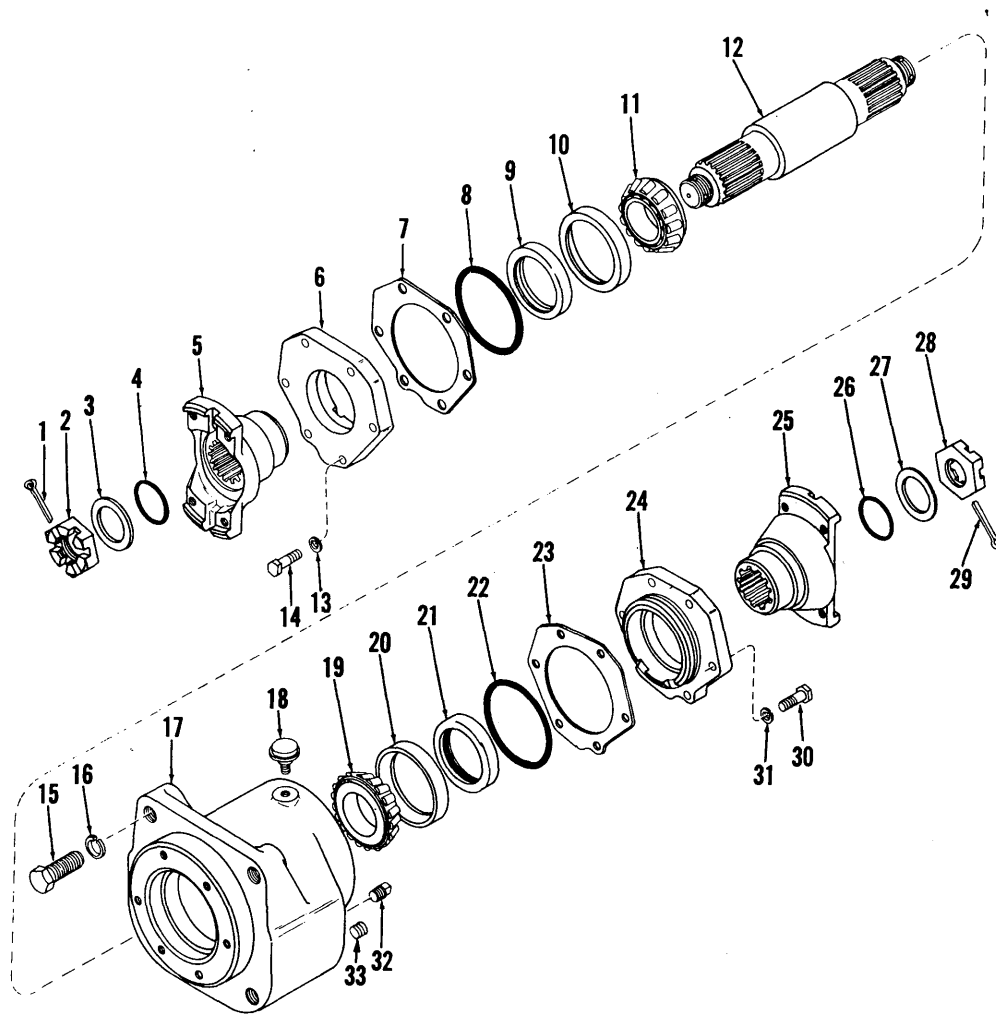
MID-MOUNT BEARING ASSEMBLY — CUMMINS
For Serial: 7AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	574015	BEARING ASSY, Mid-Mount (Inc. 2 thru 26)	1	17	574008	SEAL, Outer Grease	1
B	574956	BEARING (Inc. 7 thru 19, 25, 25A, 26) 1		18	574009	SEAL, Bearing Grease	1
1	26F-1	*ELBOW, Hose to Housing	1	19	574010	COLLAR, Drive (Inc. 25, 25A, 26)	1
2	1F-428	COTTER, Flange Nut	1	20	1F-428	COTTER, Flange Nut	1
3	205928	NUT, Flange to Shaft	1	21	205928	NUT, Flange to Shaft	1
4	222179	WASHER, Flange to Shaft	1	22	222179	WASHER, Flange to Shaft	1
5	568573	SHAFT, Mid-Mount Bearing	1	23	222233	FLANGE, Output (7-C)	1
6	222233	FLANGE, Input (7-C)	1	24	574007	SEAL, Inner Grease	1
7	574010	COLLAR, Drive (Inc. 25, 25A, 26) ...	1	25	12G-628	BOLT, Drive Collar Attaching	4
8	574009	SEAL, Bearing Grease	1	25A	4E-06	†LKWSHR, Drive Collar Attaching	4
9	574014	HOUSING ASSY, Mid-Mount Bearing	1	26	565280	WASHER, Drive Collar Spacer	4
10	574008	SEAL, Outer Grease	1	27	544595	*HOSE, Bearing Grease	1
11	574007	SEAL, Inner Grease	1	28	18C-612	*BOLT, Clip to Frame	1
12	710790	CUP, Bearing	1	28A	4E-06	*LKWSHR, Clip to Frame	1
13	742237	CONE, Bearing	1	29	6H-30	*CLIP, Hose to Frame	1
14	574006	TUBE, Hanger	1	30	10H-25	*FITTING, Bearing Grease	1
15	710790	CUP, Bearing	1	31	18C-856	†BOLT, Mid-Mount Bearing to Frame ..	4
16	742237	CONE, Bearing	1	32	18D-08	†NUT, Mid-Mount Bearing to Frame	4

†Not Illustrated

*NOTE: For Serial 7AFC101 thru 7AFC999 only.

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



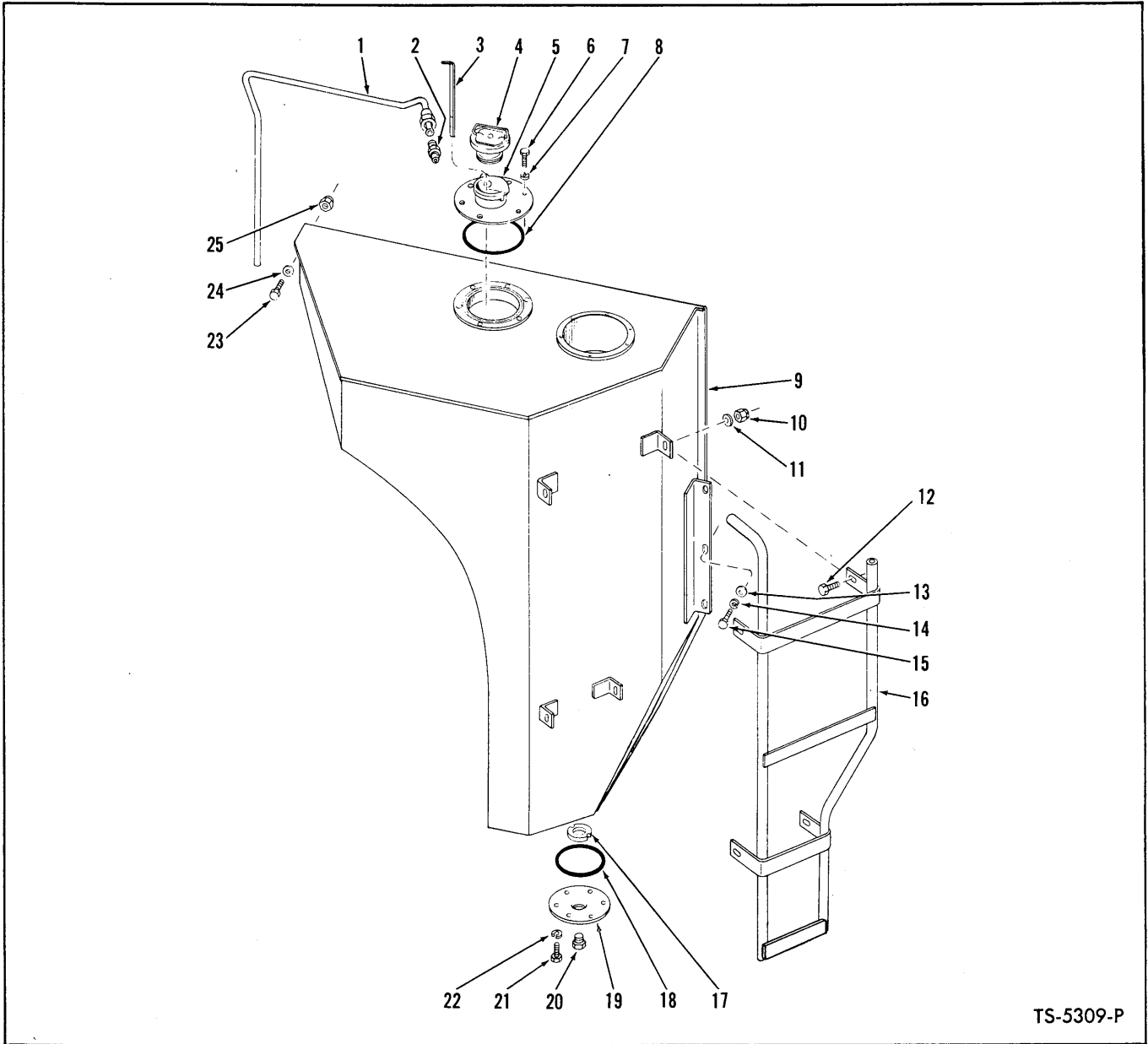
TS-7923-P

MID-MOUNT BEARING ASSEMBLY
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	230553	BEARING ASSY, Mid-Mount (Inc. 1 thru 14, 17 thru 33)	1	17	230529	HOUSING, Bearing	1
1	1F-436	COTTER, Flange Pin	1	18	211433	BREATHER, Bearing	1
2	205928	NUT, Flange	1	19	654141	CONE, Bearing	1
3	222179	WASHER, Flange	1	20	856250	CUP, Bearing	1
4	25K-60116	O-RING, Flange	1	21	225823	SEAL, Brg. Cap	1
5	222233	FLANGE	1	22	25K-40308	O-RING, Brg. Cap	1
6	230690	CAP, Bearing	1	23	217566	‡SHIM, Brg. Cap (.004)	—
7	217566	‡SHIM, Brg. Cap (.004)	—	23A	217567	‡SHIM, Brg. Cap (.007)	—
7A	217567	‡SHIM, Brg. Cap (.007)	—	23B	217568	‡SHIM, Brg. Cap (.010)	—
7B	217568	‡SHIM, Brg. Cap (.010)	—	24	230690	CAP, Bearing	1
8	25K-40308	O-RING, Brg. Cap	1	25	222233	FLANGE	1
9	225823	SEAL, Brg. Cap	1	26	25K-60116	O-RING, Flange	1
10	856250	CUP, Bearing	1	27	222179	WASHER, Flange	1
11	654141	CONE, Bearing	1	28	205928	NUT, Flange	1
12	233007	SHAFT, Mid-Mt. Brg.	1	29	1F-436	COTTER, Flange Pin	1
13	4E-07	LKWSHR, Cap to Hsg.	4	30	1C-722	BOLT, Cap to Hsg.	4
14	1C-722	BOLT, Cap to Hsg.	4	31	4E-07	LKWSHR, Cap to Hsg.	4
15	17C-1040	BOLT, Brg. to Frame	4	32	13F-12	PLUG	1
16	4E-10	LKWSHR, Brg. to Frame	4	33	215757	PLUG, Drain	1

‡As Required

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



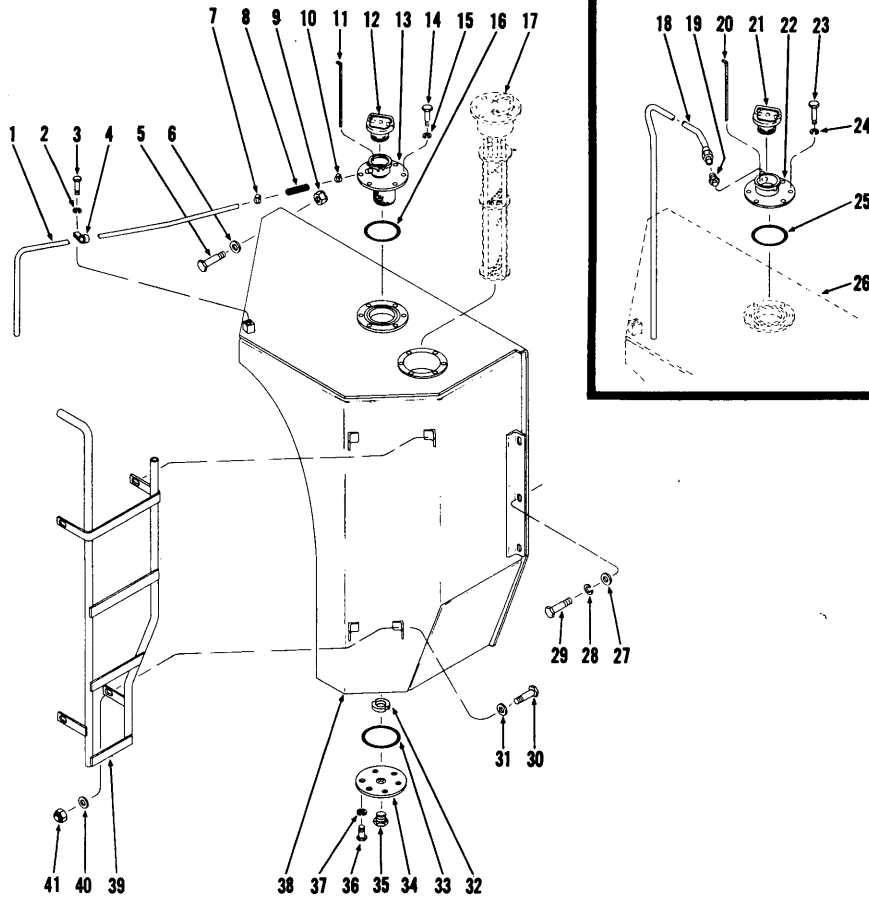
TS-5309-P

HYDRAULIC OIL RESERVOIR - CUMMINS

For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	572104	TUBE, Reservoir Relief	1	14	4E-10	LKWSHR, Reservoir to Tapped Block..	5
2	89F-6	CONNECTOR, Tube to Reservoir	1	15	18C-1020	BOLT, Reservoir to Tapped Block	5
3	568460	DIPSTICK, Hydraulic Oil	1	16	572769	STEP ASSY	1
4	554843	CAP, Filler	1	17	525293	MAGNET, Hydraulic Reservoir	1
5	564175	FILLER NECK	1	18	25K-40428	"O" RING, Cover Plate to Reservoir....	1
6	18C-612	BOLT, Filler Neck to Reservoir	6	19	587613	PLATE, Cover Clean Out	1
7	4E-06	LKWSHR, Filler Neck to Reservoir	6	20	40K-16	PLUG, Clean Out Cover	1
8	25K-40624	"O" RING, Filler Neck to Reservoir....	1	21	18C-612	BOLT, Clean Out Cover to Reservoir	6
9	568429	RESERVOIR, Hydraulic Oil	1	22	4E-06	LKWSHR, Clean Out Cover to Reservoir	6
10	18D-08	NUT, Step Assy to Reservoir	4			Reservoir	6
11	619029	WASHER, Step Assy to Reservoir	8	23	18C-1028	BOLT, Reservoir to Frame	1
12	18C-824	BOLT, Step Assy to Reservoir	4	24	616800	WASHER, Reservoir to Frame	1
13	616800	WASHER, Reservoir to Tapped Block	5	25	18D-10	NUT, Reservoir to Frame	1

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



TS-7081-P

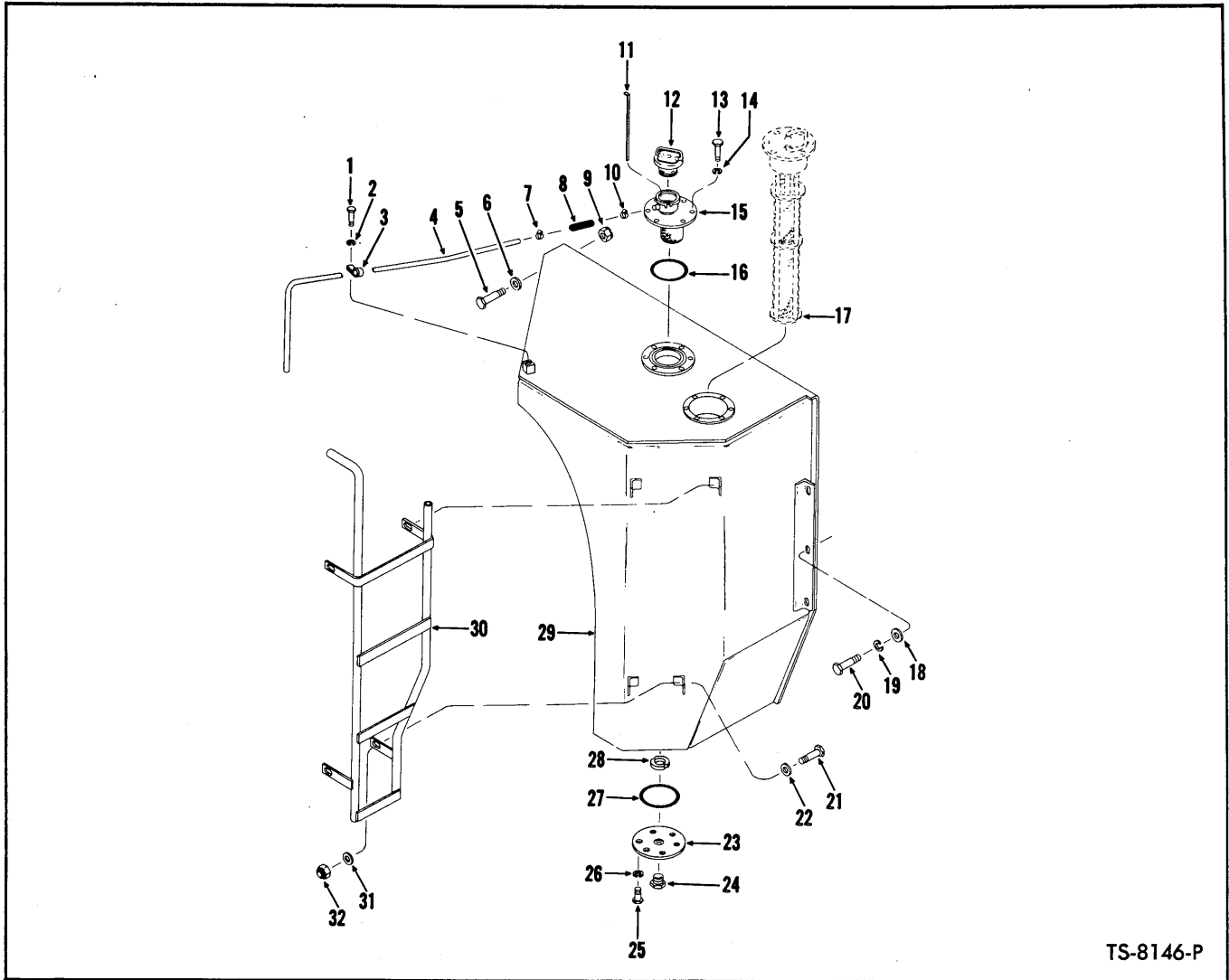
HYDRAULIC OIL RESERVOIR — CUMMINS

For Serial: 8AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	567745	TUBE, Relief	1	21	554843	*CAP, Filler	1
2	4E-06	LKWSHR, Clip to Reservoir	1	22	564175	*FILLER NECK	1
3	18C-612	BOLT, Clip to Reservoir	1	23	18C-612	*BOLT, Filler Neck to Reservoir	6
4	30H-31	CLIP, Relief Tube to Reservoir	1	24	4E-06	*LKWSHR, Filler Neck to Reservoir	6
5	18C-1032	BOLT, Reservoir to Rear Frame	1	25	25K-40624	*"O" RING, Filler Neck to Reservoir ..	1
6	616800	WASHER, Reservoir to Rear Frame	1	26	-----	*RESERVOIR, Hydraulic Oil — See	
7	521874	CLAMP, Hose to Relief Tube	1			Item 38	1
8	743563	HOSE, Filler Neck to Relief Tube — (3½" Long)	1	27	616800	WASHER, Reservoir to Rear Frame	5
9	18D-10	NUT, Reservoir to Rear Frame	1	28	4E-10	LKWSHR, Reservoir to Rear Frame	5
10	521874	CLAMP, Hose to Filler Neck	1	29	18C-1020	BOLT, Reservoir to Rear Frame	5
11	1510095	DIPSTICK, Hydraulic Oil	1	30	18C-828	BOLT, Step Assy to Reservoir	4
12	554843	CAP, Filler	1	31	619029	WASHER, Step Assy to Reservoir	4
13	567742	FILLER NECK & SCREEN ASSY	1	32	525293	MAGNET, Hydraulic Reservoir	1
14	18C-612	BOLT, Filler Neck to Reservoir	6	33	25K-40428	"O" RING, Plate to Reservoir	1
15	4E-06	LKWSHR, Filler Neck to Reservoir	6	34	587613	PLATE, Inspection	1
16	25K-40624	"O" RING, Filler Neck to Reservoir ..	1	35	40K-16	PLUG, Inspection Plate	1
17	-----	FILTER, Hydraulic Reservoir — Pressure — See Index	—	36	18C-612	BOLT, Inspection Plate to Reservoir	6
18	572104	*TUBE, Relief	1	37	4E-06	LKWSHR, Inspection Plate to Reservoir	6
19	89F-6	*CONNECTOR, Tube to Reservoir	1	38	572775	RESERVOIR, Hydraulic Oil	1
20	1510095	*DIPSTICK, Hydraulic Oil	1	39	572769	STEP ASSY — R.H.	1
				40	619029	WASHER, Step Assy to Reservoir	4
				41	18D-08	NUT, Step Assy to Reservoir	4

*NOTE: Items 18 thru 26 are for Machine Serial No. 8AFC-101 thru 8AFC-116 only.

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



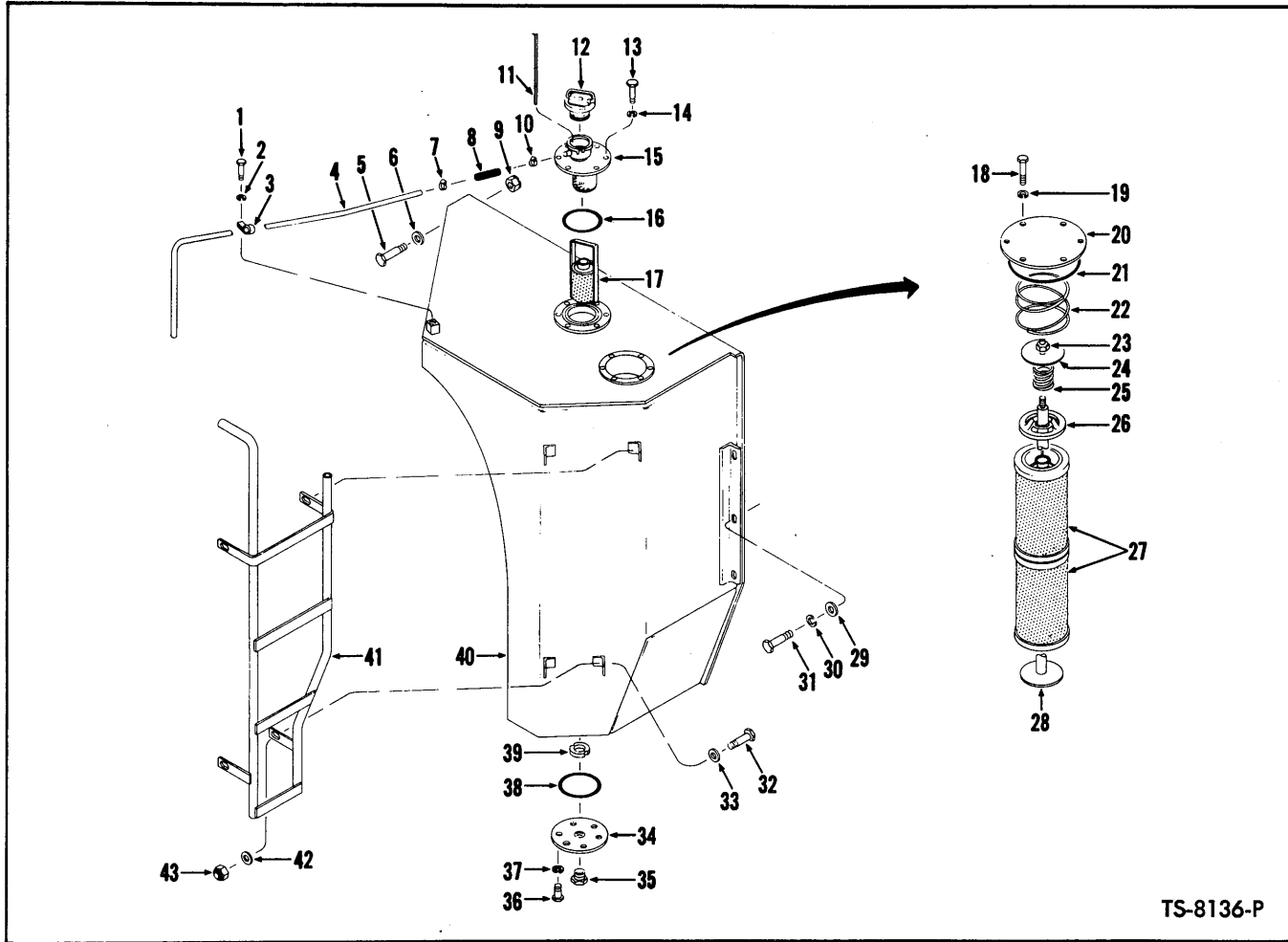
TS-8146-P

HYDRAULIC OIL RESERVOIR AND STEP — CUMMINS
For Serial: 10AFC101 thru 10AFC150

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-612	BOLT, Clip to Reservoir	1	17	-----	FILTER, Return (Pressure) — See Index	—
2	4E-06	LKWSHR, Clip to Reservoir	1	18	616800	WASHER, Reservoir to Frame	5
3	30H-31	CLIP, Tube to Reservoir	1	19	4E-10	LKWSHR, Reservoir to Frame	5
4	567745	TUBE, Reservoir Relief	1	20	18C-1020	BOLT, Reservoir to Frame	5
5	18C-1032	BOLT, Reservoir to Frame	1	21	18C-828	BOLT, Step to Reservoir	4
6	616800	WASHER, Reservoir to Frame	1	22	619029	WASHER, Step to Reservoir	4
7	521874	CLAMP, Hose to Tube	1	23	587613	COVER, Inspection	1
8	743563	HOSE, Tube to Filler Neck	1	24	40K-16	PLUG, Drain	1
9	18D-10	NUT, Reservoir to Frame	1	25	18C-612	BOLT, Cover to Reservoir	6
10	521874	CLAMP, Hose to Filler Neck	1	26	4E-06	LKWSHR, Cover to Reservoir	6
11	1510095	DIPSTICK, Oil Reservoir	1	27	25K-40428	"O" RING, Inspection Cover	1
12	554843	CAP, Filler	1	28	525293	MAGNET	1
13	18C-612	BOLT, Filler Neck to Reservoir	6	29	572775	*RESERVOIR, Hydraulic Oil	1
14	4E-06	LKWSHR, Filler Neck to Reservoir	6	30	572769	STEP — R.H.	1
15	567742	FILLER NECK, Reservoir	1	31	619029	WASHER, Step to Reservoir	4
16	25K-40624	"O" RING, Filler Neck	1	32	18D-08	NUT, Step to Reservoir	4

*NOTE: For complete replacement of 572775 Reservoir use 1533808 plus the following items must also be used: one 945989 Filter Cart-ridge Kit, one 2517207 Guide Rod, one 1529704 Washer, one 1529679 Retainer, one 1530598 Spring, one 18D-06 Nut, one 1530599 Spring, one 1529896 Cover Plate, six 18C-614 Bolt, six 4E-06 Lockwasher and one 25K-40808 O-Ring.

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



TS-8136-P

HYDRAULIC OIL RESERVOIR AND STEP
For Serial: Cummins — 10AFC151 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18C-612	BOLT, Clip to Reservoir	1	25	1530598	SPRING, Retainer.....	1
2	4E-06	LKWSHR, Clip to Reservoir	1	26	1529679	RETAINER, Filter	1
3	30H-31	CLIP, Tube to Reservoir	1	27	1530600	CARTRIDGE, Filter — Return	2
4	567745	TUBE, Reservoir Relief	1	28	2517207	ROD, Guide.....	1
5	18C-1032	BOLT, Reservoir to Frame	1	29	616800	WASHER, Reservoir to Frame.....	5
6	616800	WASHER, Reservoir to Frame	1	30	4E-10	LKWSHR, Reservoir to Frame	5
7	521874	CLAMP, Hose to Tube	1	31	18C-1020	BOLT, Reservoir to Frame	5
8	743563	HOSE, Tube to Filler Neck	1	32	18C-828	BOLT, Step to Reservoir.....	4
9	18D-10	NUT, Reservoir to Frame	1	33	619029	WASHER, Step to Reservoir	4
10	521874	CLAMP, Hose to Filler Neck	1	34	587613	COVER, Inspection	1
11	1510095	DIPSTICK, Oil Reservoir	1	35	40K-16	PLUG, Drain.....	1
12	554843	CAP, Filler	1	36	18C-612	BOLT, Cover to Reservoir.....	6
13	18C-612	BOLT, Filler Neck to Reservoir	6	37	4E-06	LKWSHR, Cover to Reservoir.....	6
14	4E-06	LKWSHR, Filler Neck to Reservoir	6	38	25K-40428	"O" RING, Cover to Reservoir	1
15	567742	FILLER NECK, Reservoir	1	39	525293	MAGNET.....	1
16	25K-40624	"O" RING, Filler Neck	1	40		RESERVOIR, Hydraulic Oil	
17	1532445	FILTER, Suction	1	40A	1533808	For Cummins —	
18	18C-614	BOLT, Cover to Reservoir	6			10AFC151 thru 10AFC999	1
19	4E-06	LKWSHR, Cover to Reservoir	6	40B	1529178	For Cummins 11AFC101 & after.....	1
20	1529896	PLATE, Cover	1	40C	1529178	For G.M. — 11AFG101 & after	1
21	25K-40808	"O" RING, Cover Plate	1	41	572769	STEP — R.H.	1
22	1543238	SPRING, Cover Plate	1	42	619029	WASHER, Step to Reservoir	4
23	66D-06	NUT, Guide Rod	1	43	18D-08	NUT, Step to Reservoir.....	1
24	1529704	WASHER, Guide Rod.....	1				

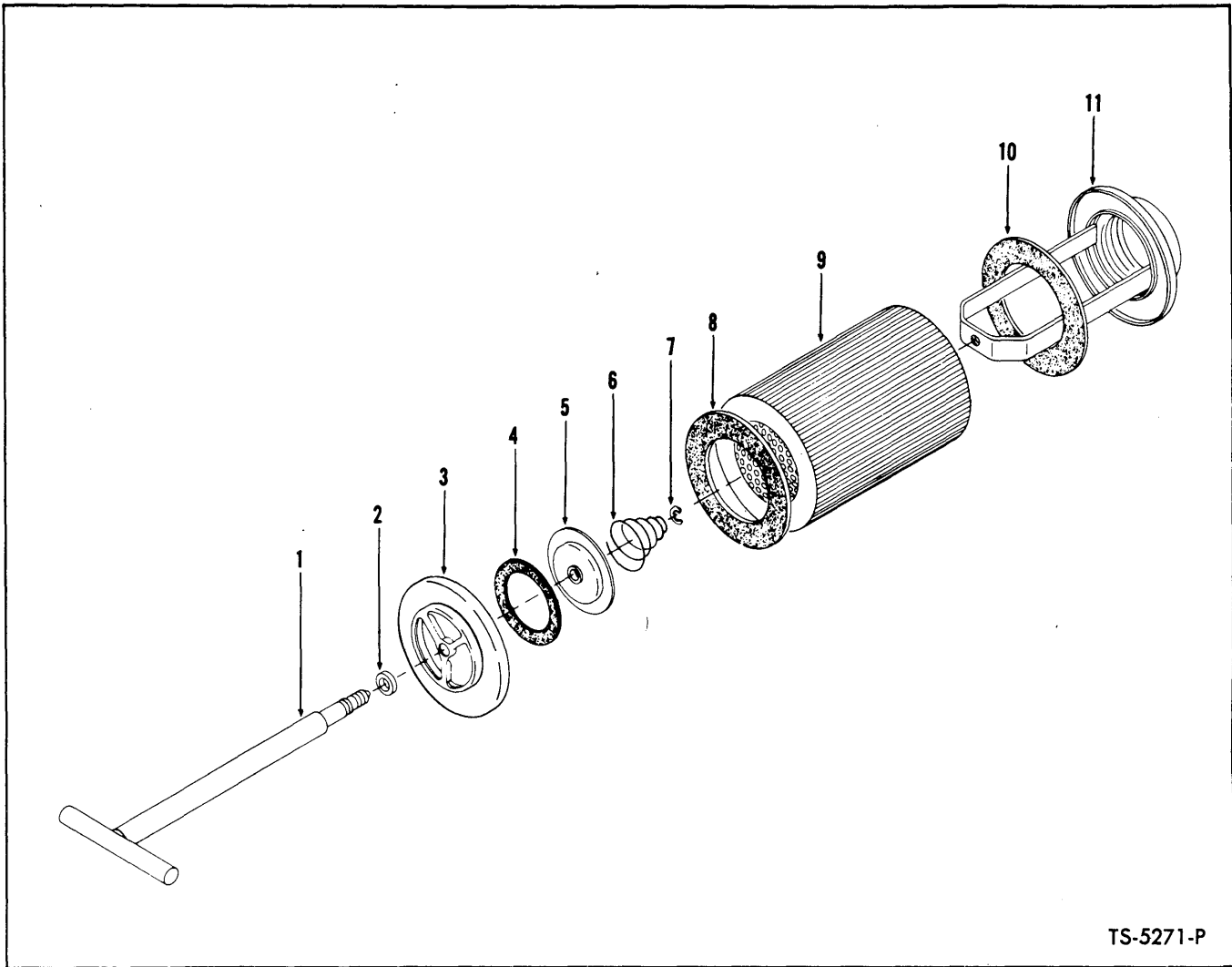
§Not Sold Separately

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

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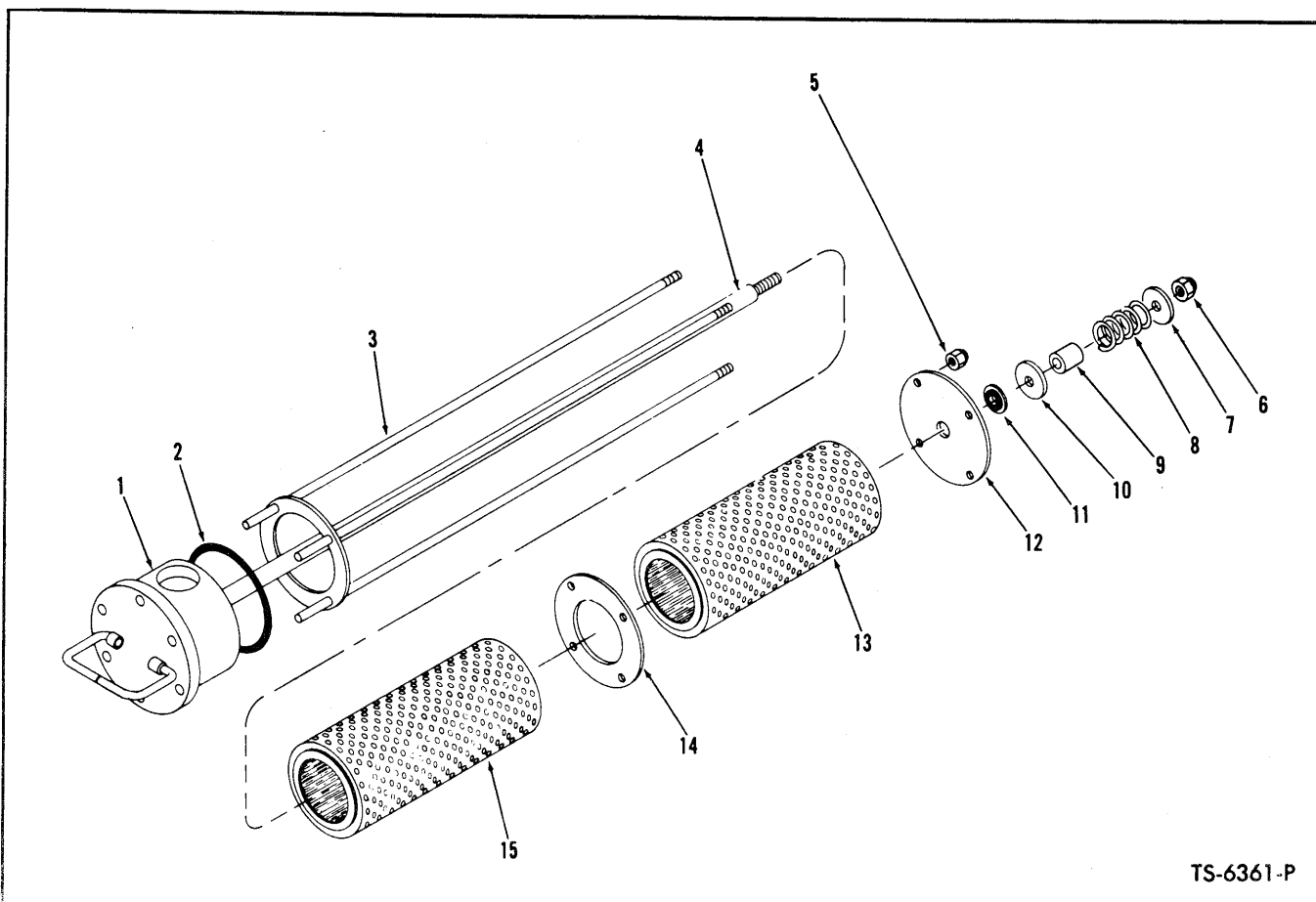
TS-5271-P

FILTER ASSEMBLY — HYDRAULIC RESERVOIR (Suction) — CUMMINS
For Serial: 7AFC101 thru 10AFC130

Item No.	Part No.	Description	No. Req'd.
A	562119	* HYDRAULIC OIL FILTER (Inc. 1 thru 11)	1
B	946053	*HANDLE & COVER ASSY (Inc. 1 thru 7)	1
1	-----	§HANDLE — See Item B	1
2	946060	WASHER, Handle	1
3	-----	§COVER, Filter — See Item B	1
4	-----	OMIT — Not used on this application	1
5	946057	PLATE, Valve	1
6	946056	SPRING, Valve	1
7	1303459	"E" RING, Spring Retaining	1
8	946062	GASKET, Element	1
9	946055	*ELEMENT (Inc. 8, 10)	1
10	946062	GASKET, Element	1
11	946054	BASE ASSY	1

*NOTE: For complete replacement of 562119 Filter Assembly or 946055 Element, use 1532445. 1532445 Filter is a one-piece filter containing no serviceable items. 1532445 came into effect on 10AFC131 and thereafter.

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



TS-6361-P

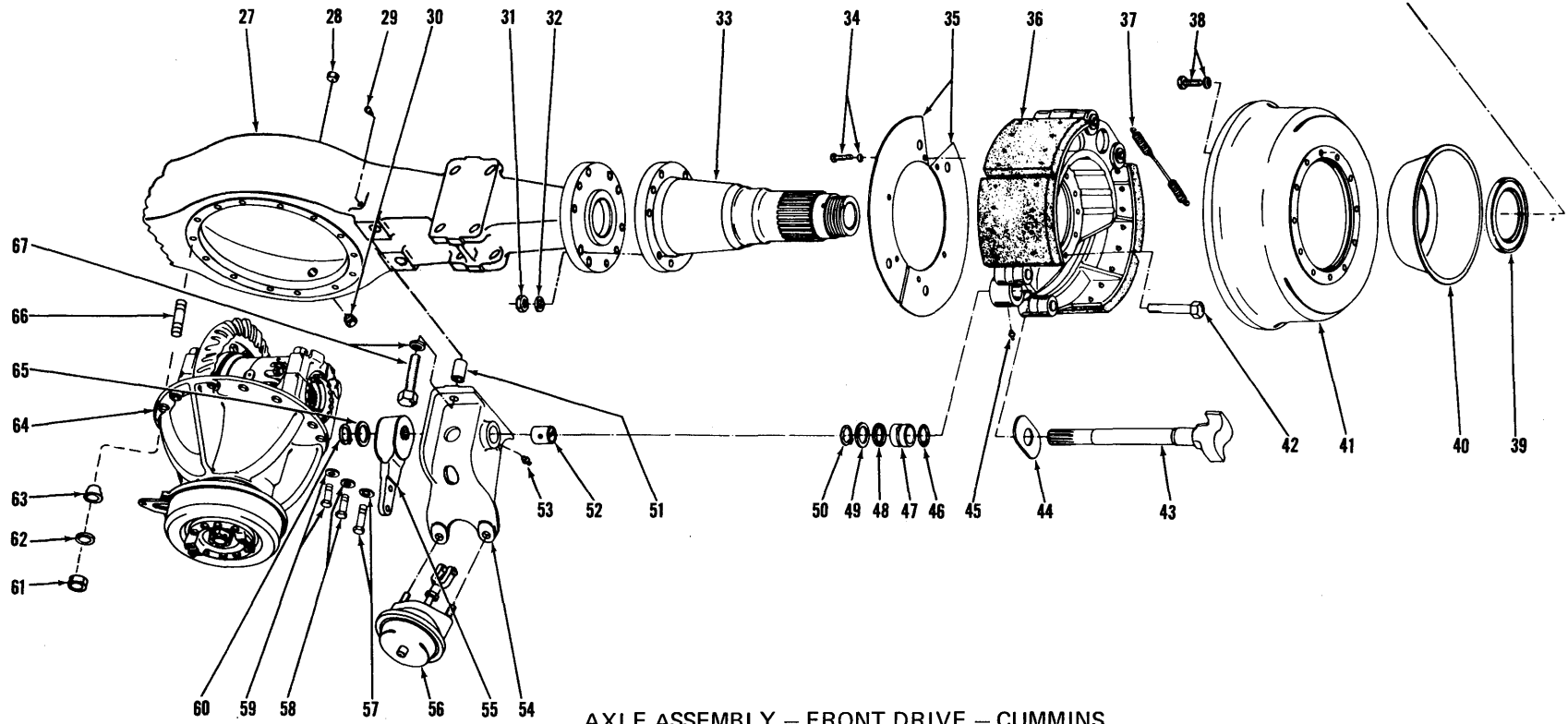
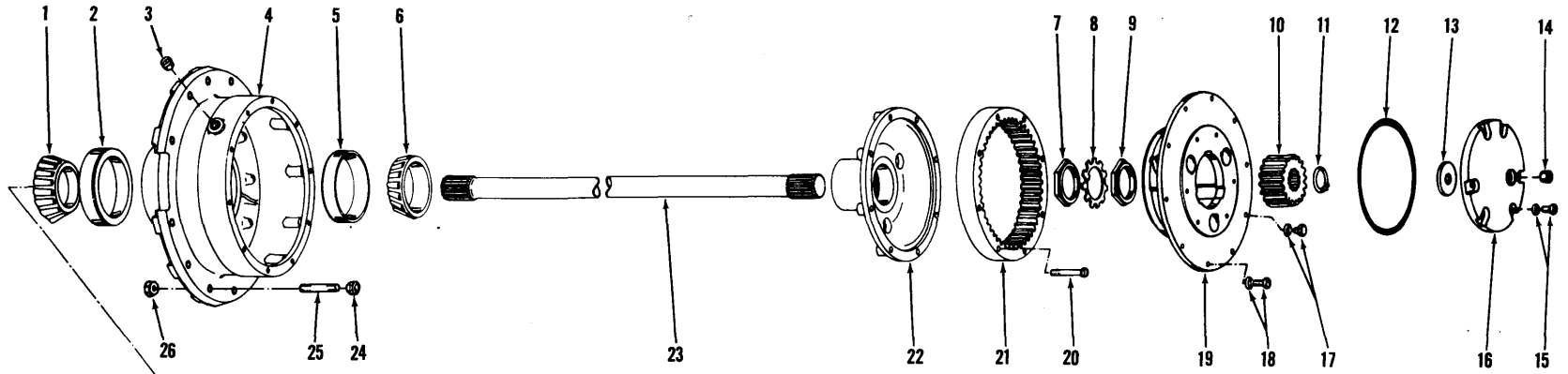
FILTER ASSEMBLY — HYDRAULIC RESERVOIR (Pressure) — CUMMINS
For Serial: 7AFC101 thru 10AFC150

Item No.	Part No.	Description	No. Req'd.
A	568778	* § FILTER ASSY (Inc. 1, 3 thru 15)	1
1	946158	HEAD ASSY	1
2	25K-40708	"O" RING, Head	1
3	-----	* § ROD ASSY	1
4	-----	* § ROD, Center	1
5	18D-04	NUT, Plate to Rod	4
6	17D-3	NUT, Cartridge Retaining	1
7	1307125	WASHER, Spring Retaining	1
8	946152	SPRING	1
9	946153	GUIDE, Spring	1
10	946151	WASHER, Backup	1
11	1304920	WASHER, Sealing	1
12	946150	PLATE, Lower Cartridge Retaining	1
13	1530600	CARTRIDGE, Hydraulic Oil Filter (Inc. 15)	2
14	946149	PLATE, Center Cartridge Retaining	1
15	-----	§ CARTRIDGE, Hydraulic Oil Filter — See Item 13	—
16	18C-514	† BOLT, Filter Assy to Hydraulic Oil Reservoir	3
17	4E-05	† LKWSHR, Filter Assy to Hydraulic Oil Reservoir	3

§ Not Sold Separately
† Not Illustrated

* NOTE: For replacement refer to Service Gram S.G.-517.

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



AXLE ASSEMBLY - FRONT DRIVE - CUMMINS
For Serial 7AFC101 thru 7AFC999

TS-6395-P

AXLE ASSEMBLY FRONT DRIVE — CUMMINS

For Serial: 7AFC101 thru 7AFC999

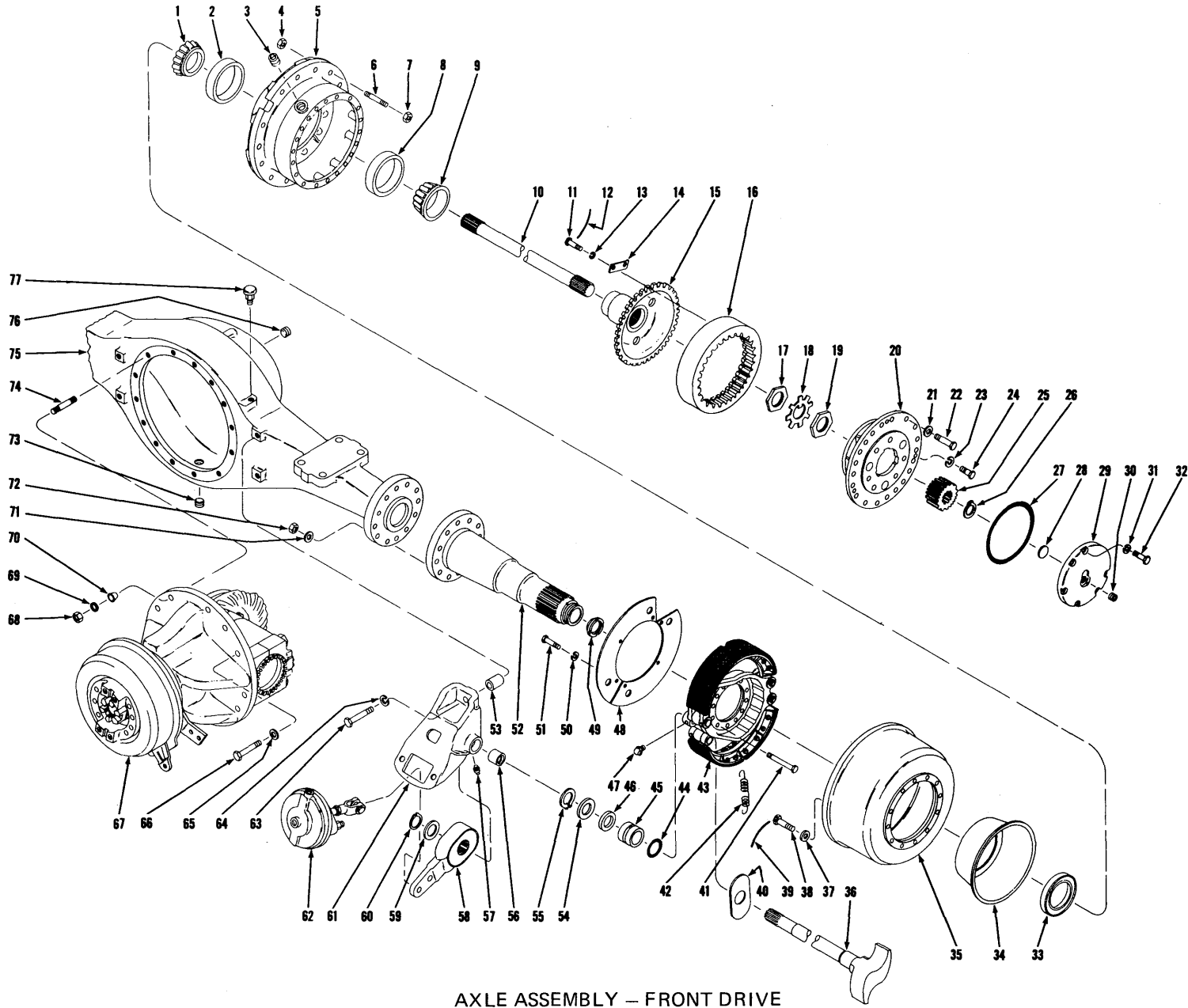
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	131927	AXLE ASSY (Inc. 1 thru 68)	1	37	112215	SPRING, Brake Shoe Return	2
1	774025	CONE, Inner Hub Bearing	2	38	118381	BOLT, Brake Drum to Hub	24
2	774024	CUP, Inner Hub Bearing	2	38A	104412	WASHER, Brake Drum to Hub	24
3	11F-12	PLUG, Hub Filler	2	39	125248	SEAL, Hub Oil	2
4	118383	HUB ASSY (Inc. 2, 5)	2	40	117445	CATCHER, Oil	2
5	742262	CUP, Outer Hub Bearing	2	41	118805	DRUM, Brake	2
6	742263	CONE, Outer Hub Bearing	2	42	18C-1064	BOLT, Spindle & Brake Attaching	20
7	110559	NUT, Inner Spindle	2	43	110940	CAM SHAFT — R.H.	1
8	118786	LOCK, Spindle Nut	2	43A	110939	†CAM SHAFT — L.H.	1
9	110559	NUT, Outer Spindle	2	44	107735	WASHER, Cam Shaft Thrust	2
10	106232	GEAR, Sun	2	45	12H-15	FITTING, Brake Spider Grease	2
11	224023	RING, Sun Gear Retaining	2	46	25K-60124	"O" RING, Cam Shaft	2
12	113292	"O" RING, Thrust Cap	2	47	107739	BUSHING, Brake Spider	2
13	106457	WASHER, Sun Gear Thrust	2	48	11E-135	RETAINER, Brake Spider Grease	2
14	11F-12	PLUG, Thrust Cap	2	49	107736	WASHER, Cam Shaft	2
15	1C-720	BOLT, Thrust Cap	12	50	660516	RING, Washer Retaining	2
15A	112278	WASHER, Thrust Cap	12	51	110941	SPACER, Air Chamber Bracket	4
16	815565	KIT, Sun Gear Thrust Cap (Inc. 12, 13, 14, 15A)	2	52	102189	BUSHING, Air Chamber Bracket	2
17	1C-908	BOLT, Planet Puller Hole	6	53	10H-25	FITTING, Air Chamber Bracket Grease	2
17A	3E-09	LKWSHR, Planet Puller Hole	6	54	107632	BRACKET ASSY, Air Chamber — R.H. (Inc. 52)	1
18	117225	BOLT, Planet Carrier to Hub	40	54A	107631	†BRACKET ASSY, Air Chamber — L.H. (Inc. 52)	1
18A	106547	WASHER, Planet Carrier to Hub	40	55	107247	*ADJUSTER, Slack — B.W. # 222485	2
19	-----	PLANET CARRIER — See Index	—	56	117697	*AIR CHAMBER (Inc. 56A) B.W. #279507	2
20	110624	BOLT, Internal Gear to Hub	16	56A	946213	†DIAPHRAGM, Air Chamber	2
21	110622	GEAR, Internal	2	57	17C-928	BOLT, Differential Carrier to Axle	7
22	110553	HUB, Internal Gear	2	57A	106547	WASHER, Differential Carrier to Axle	7
23	106234	AXLE SHAFT	2	58	17C-932	BOLT, Differential Carrier to Axle	2
24	103522	NUT, Wheel	20	58A	106547	WASHER, Differential Carrier to Axle	2
25	103445	STUD, Wheel	20	59	17C-940	BOLT, Differential Carrier to Axle	2
26	86D-12	NUT, Wheel Stud	20	59A	106547	WASHER, Differential Carrier to Axle	2
27	107004	HOUSING, Axle	1	60	659764	RING, Cam Shaft Retaining	2
28	11F-12	PLUG, Housing Filler	1	61	64D-09	NUT, Differential Carrier to Axle	3
29	106656	BREATHER, Axle Housing	1	62	106547	WASHER, Differential Carrier to Axle	3
30	11F-12	PLUG, Housing Drain	1	63	112295	DOWEL, Differential Carrier Stud	3
31	106998	NUT, Spindle & Brake Attaching	20	64	-----	DIFFERENTIAL & CARRIER — See Index	—
32	104412	WASHER, Spindle & Brake Attaching	20	65	107010	WASHER, Cam Shaft Retaining	2
33	111710	SPINDLE — See Note "A"	2	66	112294	STUD, Differential Carrier	3
34	1C-612	**BOLT, Dust Cover	4	67	1C-1056	BOLT, Bracket Mounting	4
34A	1C-616	†**BOLT, Dust Cover	4	67A	4E-10	WASHER, Bracket Mounting	4
34B	4E-06	**LKWSHR, Dust Cover	8	68	12F-204	†PLUG, Housing Expansion	1
35	118041	**COVER, Dust	4				
35A	112695	†**PLATE, Dust Cover	2				
36	-----	REAR BRAKE ASSY — See Index	—				

†Not Illustrated

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

**NOTE: Optional Equipment — not furnished with machine.

NOTE "A": For replacement use 1-118786 Spindle Nut Lock to replace existing Nut Lock, plus 1-816023 Kit which consists of 1-123945 Spindle & 1-123947 Sleeve.



AXLE ASSEMBLY - FRONT DRIVE
For Serial: Cummins - 8AFC101 & after. G.M. - 11AFG101 & after

TS-7629-P

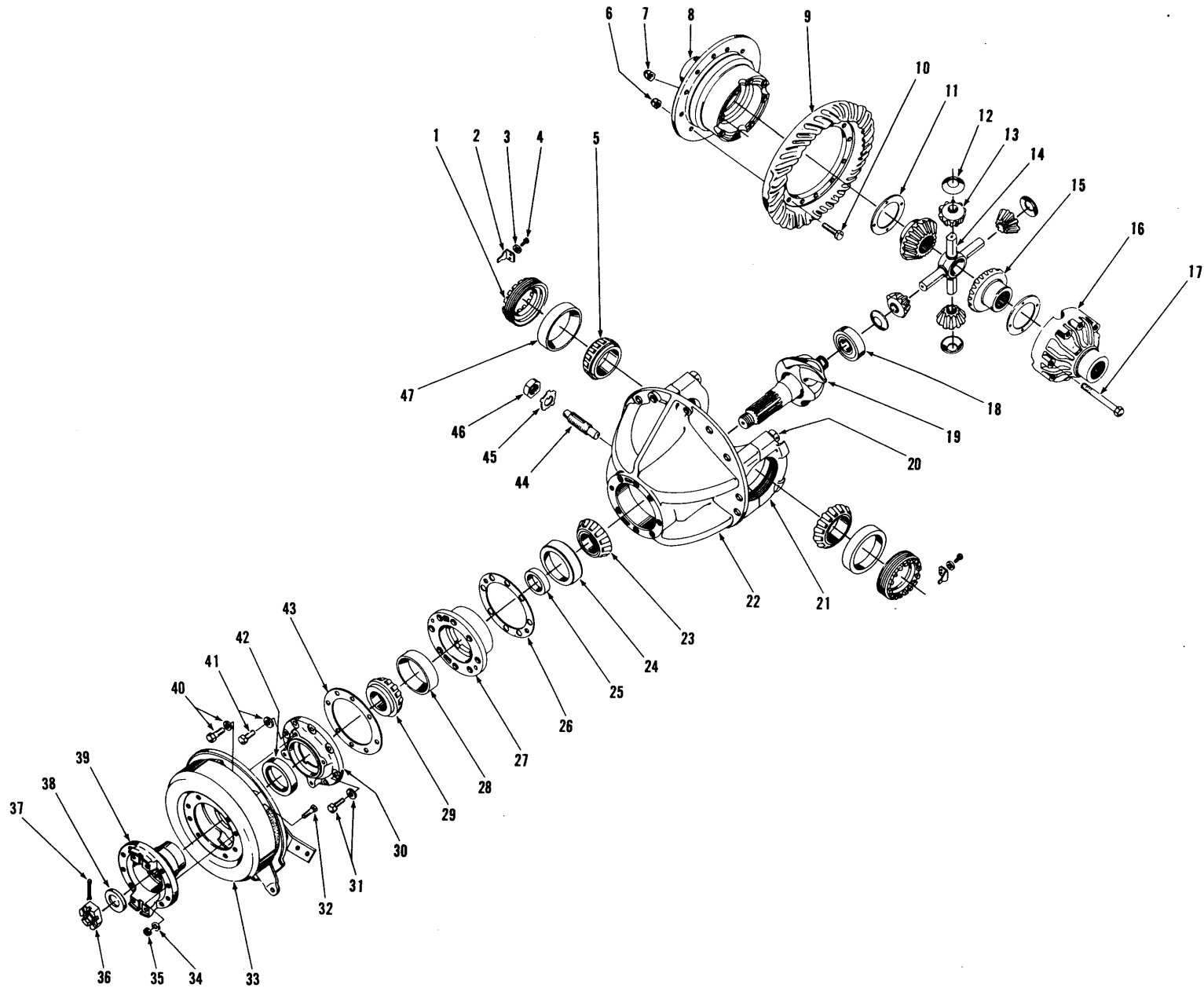
AXLE ASSEMBLY — FRONT DRIVE — CUMMINS

**For Serial: Cummins — 8AFC101 and after
G.M. — 11AFG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	190087	AXLE ASSY (Inc. 1 thru 47, 49, 52 thru 77)	1	43	-----	BRAKE ASSY, Front — See Index	—
1	774025	CONE, Inner Hub Bearing	2	44	25K-60124	"O" RING, Cam Shaft	2
2	774024	CUP, Inner Hub Bearing	2	45	107739	BUSHING, Brake Spider	2
3	11F-12	PLUG, Hub Filler	2	46	11E-135	RETAINER, Cam Shaft Grease	2
4	86D-12	NUT, Wheel Stud	20	47	12H-15	FITTING, Brake Spider Grease	2
5	118383	HUB ASSY (Inc. 2, 8)	2	48	118041	**COVER, Brake Dust	4
6	103445	STUD, Wheel	20	48A	112695 †	**PLATE, Dust Cover Reinforcing	2
7	103522	NUT, Wheel	20	49	128315	RING, Sun Gear Thrust (For Serial Group A)	2
8	742262	CUP, Outer Hub Bearing	2	49A	119853	RING, Sun Gear Thrust (For Serial Group B)	2
9	742263	CONE, Outer Hub Bearing	2	50	4E-06	**LKWSHR, Dust Cover	8
10	118916	SHAFT, Axle	2	51	18C-612	**BOLT, Dust Cover	4
11	4C-820	BOLT, Hub to Gear	24	51A	18C-616	**BOLT, Dust Cover	4
12	-----	‡LOCKWIRE — 18 Gauge	—	52	119852	SPINDLE — See Note "A"	2
13	4E-08	LKWSHR, Hub to Gear	24	53	110941	SPACER, Air Chamber Bracket to Housing	4
14	122701	PLATE, Hub to Gear Retaining	12	54	107736	WASHER, Cam Shaft	2
15	119213	*HUB, Internal Gear	2	55	660516	RING, Bushing Retaining	2
16	119211	*GEAR, Internal Ring	2	56	102189	BUSHING, Air Chamber Bracket	2
17	110559	NUT, Spindle	2	57	10H-25	FITTING, Air Chamber Bracket Grease	2
18	118786	LOCK, Spindle Nut	2	58	107247 ***	ADJUSTER, Slack — B.W. 222485	2
19	110559	NUT, Spindle	2	59	107010	WASHER, Slack Adjuster	2
20	-----	PLANET CARRIER — See Index	—	60	659764	RING, Slack Adjuster Retaining	2
21	106547	WASHER, Planet Carrier to Hub	40	61	-----	BRACKET ASSY, Air Chamber (Inc. 56)	—
22	117225	BOLT, Planet Carrier to Hub	40	61A	107632	RIGHT HAND	1
23	3E-09	LKWSHR, Planet Puller Hole	6	61B	107631 †	LEFT HAND	1
24	1C-908	BOLT, Planet Puller Hole	6	62	117697 ***	CHAMBER, Air — B.W. 279507 (Inc. 62A)	2
25	117448	GEAR, Sun	2	62A	946213 *** †	DIAPHRAGM, Air Chamber — B.W. 234099	2
26	224023	RING, Sun Gear Retaining	2	63	1C-1056	BOLT, Bracket to Housing	4
27	113292	"O" RING, Thrust Cap	2	64	4E-10	LKWSHR, Bracket to Housing	4
28	106457	WASHER, Sun Gear Thrust	2	65	106547	WASHER, Carrier to Housing	11
29	815565	KIT, Sun Gear Thrust Cap (Inc. 27, 28, 30, 31)	2	66	17C-928	BOLT, Carrier to Housing	7
30	11F-12	PLUG, Thrust Cap	2	66A	17C-932	BOLT, Carrier to Housing	2
31	112278	LKWSHR, Thrust Cap	12	66B	17C-940	BOLT, Carrier to Housing	2
32	1C-720	BOLT, Thrust Cap	12	67	-----	DIFF. & CARRIER ASSY—See Index	—
33	125248	SEAL, Hub Oil	2	67A	-----	‡‡PERMATEx #2—Diff. & Carrier to Housing	—
34	117445	CATCHER, Oil	2	68	64D-09	NUT, Carrier to Housing	3
35	118805	DRUM, Brake	2	69	106547	WASHER, Carrier to Housing	3
36	-----	CAM SHAFT, Brake	—	70	112295	DOWEL, Carrier to Stud	3
36A	111703	RIGHT HAND	1	71	104412	WASHER, Brake & Spindle to Housing	20
36B	111702 †	LEFT HAND	1	72	106998	NUT, Brake & Spindle to Housing	20
37	104412	WASHER, Brake Drum to Hub	24	73	11F-12	PLUG, Housing Drain	1
38	118381	BOLT, Brake Drum to Hub	24	74	112294	STUD, Carrier to Housing	3
39	-----	‡LOCKWIRE — 19 Gauge	—	75	118912	HOUSING, Axle	1
40	107735	WASHER, Cam Shaft Thrust	2	75A	12F-204 †	PLUG, Housing Expansion	1
41	18C-1064	BOLT, Brake & Spindle to Housing	20	76	11F-12	PLUG, Housing Filler	1
42	119650	SPRING, Brake Shoe Return	2	77	106656	BREATHER, Housing	1

‡As Required †Not Illustrated
 *NOTE: When replacing items 15 or 16 on Machine Serial 8AFC101 both items must be replaced at the same time, plus items 11 thru 14 must also be used.
 **NOTE: Optional Equipment — Not furnished with machine.
 ***NOTE: Your Bendix-Westinghouse Distributor is equipped to service and supply these parts.
 NOTE "A": When replacing item 52 use 1—816023 Kit, which consists of 1—123945 Spindle plus 1—123497 Sleeve, for Serial Group A Items 18 & 49A must also be used.
 Serial Group A — Cummins — 8AFC101 thru 9AFC125, 9AFC127 & 9AFC133.
 Serial Group B — Cummins — 9AFC126, 9AFC128 thru 9AFC132, 9AFC134 & after. G.M. — 11AFG101 and after.

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



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

TS-3585-P

DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	118510	DIFF. & CARRIER ASSY (Inc. 1 thru 47)	1	27	107477	CAGE, Outer Pinion Brg. (Inc. 24, 28)	1
1	123748	NUT, Differential Adjusting	2	28	675259	CUP, Outer Pinion Bearing	1
2	100941	LOCK, Adjusting Nut	2	29	675260	CONE, Outer Pinion Bearing	1
3	4E-06	LKWSHR, Adjusting Nut Lock	2	30	107482	RETAINER, Oil Seal	1
4	3C-614	BOLT, Adjusting Nut Lock	2	31	1C-836	BOLT, Oil Seal Retainer Locating	1
5	675254	CONE, Differential Bearing	2	31A	4E-08	LKWSHR, Oil Seal Retainer Locating	1
6	86D-09	NUT, Ring Gear	12	32	104471	BOLT, Drum to Companion Flange	8
7	86D-10	NUT, Differential Case	8	33	107481	DRUM, Brake	1
8	-----	§DIFFERENTIAL CASE, Flange Half — See Item 51	1	33A	-----	PARKING BRAKE ASSY — See Index..	1
9	-----	§RING GEAR — See Item 50	1	34	4E-07	LKWSHR, Drum to Companion Flange	8
10	101196	BOLT, Ring Gear	12	35	62D-07	NUT, Drum to Companion Flange	8
11	118478	WASHER, Side Gear Thrust	2	36	101223	NUT, Pinion Shaft	1
12	101204	WASHER, Differential Pinion Thrust ..	4	37	1F-740	COTTER, Pinion Shaft Nut	1
13	815746	PINION KIT, Differential	1	38	101224	WASHER, Pinion Shaft	1
14	117105	SPIDER, Differential	1	39	112911	FLANGE, Companion	1
15	106206	GEAR, Differential Side	2	40	1C-924	BOLT, Brake to Oil Seal Retainer	4
16	-----	§DIFFERENTIAL CASE, Plain Half — See Item 51	1	40A	4E-09	LKWSHR, Brake to Oil Seal Retainer..	4
17	126625	BOLT, Differential Case	8	41	1C-1040	BOLT, Oil Seal Retainer	7
18	675265	BEARING, Inner Pinion	1	41A	4E-10	LKWSHR, Oil Seal Retainer	7
19	-----	§PINION — See Item 50	1	42	111721	SEAL, Pinion Shaft Oil	1
20	101210	BOLT, Carrier Cap	4	43	107483	***GASKET, Pinion Oil Seal Retainer	1
20A	111658	†WASHER, Carrier Cap	4	44	101226	**SCREW, Differential Thrust	1
21	-----	§CAP, Differential Carrier—See Item 22	2	45	101227	**LOCK, Differential Thrust Screw	1
22	815521	*CARRIER ASSY, Differential (Inc. 20, 20A, 21)	1	46	8D-18	**NUT, Differential Thrust Screw	1
23	675263	CONE, Center Pinion Bearing	1	47	675252	CUP, Differential Bearing	2
24	675262	CUP, Center Pinion Bearing	1	48	118514	†DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
25	815200	SPACER KIT, Pinion Bearing	1	49	121237	†DIFFERENTIAL BODY SUB-ASSY (Inc. 7, 8, 11 thru 17)	1
26	114351	‡SHIM, Bearing Cage — Thin	—	50	117693	†GEAR & PINION SET (Inc. 9, 19)	1
26A	125578	‡‡SHIM, Bearing Cage — Medium	—	51	815737	†DIFFERENTIAL CASE KIT (Inc. 7, 8, 11, 12, 16, 17)	1
26B	101220	‡‡SHIM, Bearing Cage — Thick	—				

§Not Sold Separately

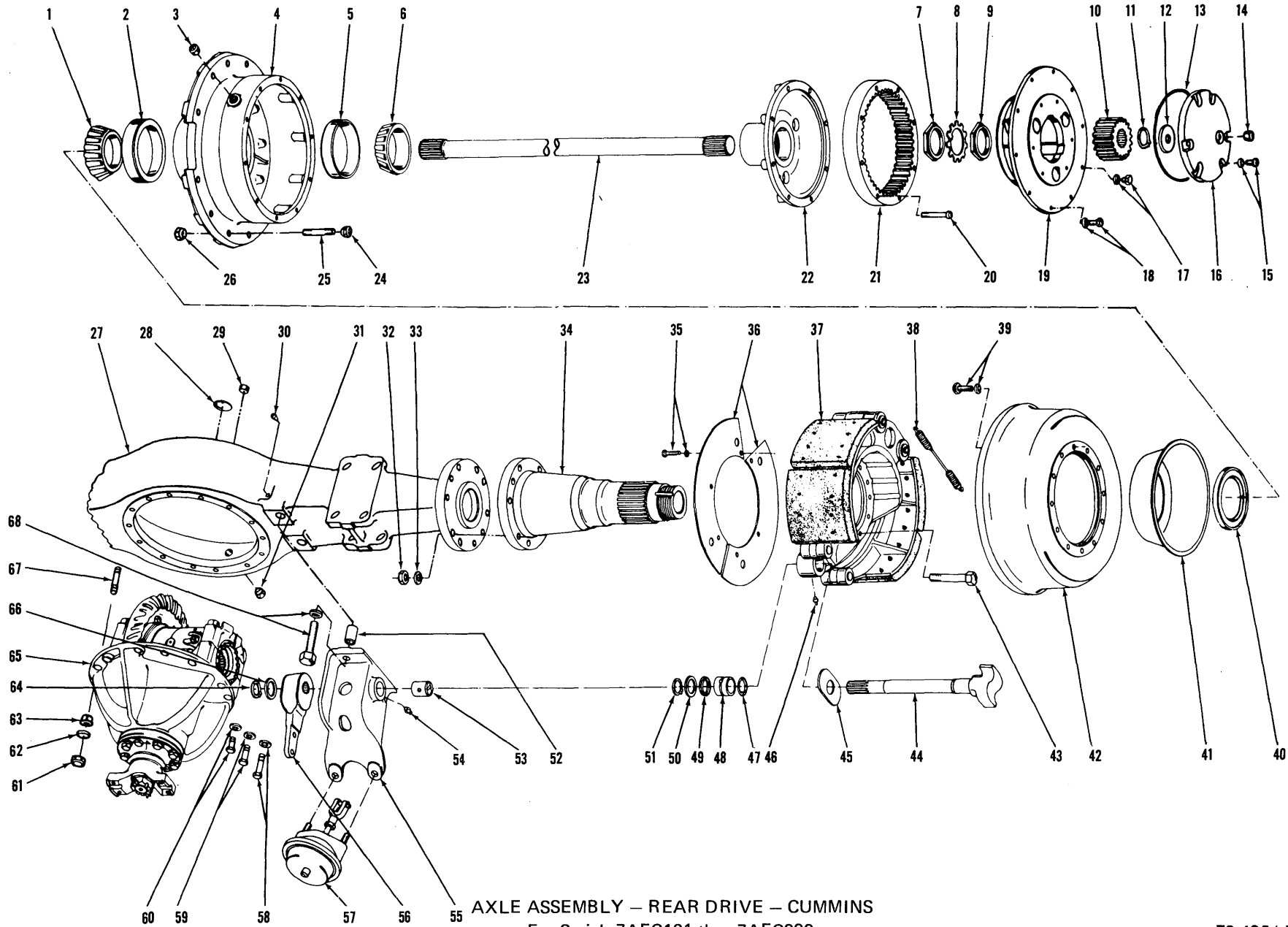
†Not Illustrated

‡As Required

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

**NOTE: Some units not equipped with this feature.

***NOTE: For replacement use Loctite #277.



AXLE ASSEMBLY - REAR DRIVE - CUMMINS
For Serial: 7AFC101 thru 7AFC999

TS-6354-P

AXLE ASSEMBLY — REAR DRIVE — CUMMINS

For Serial: 7AFC101 thru 7AFC999

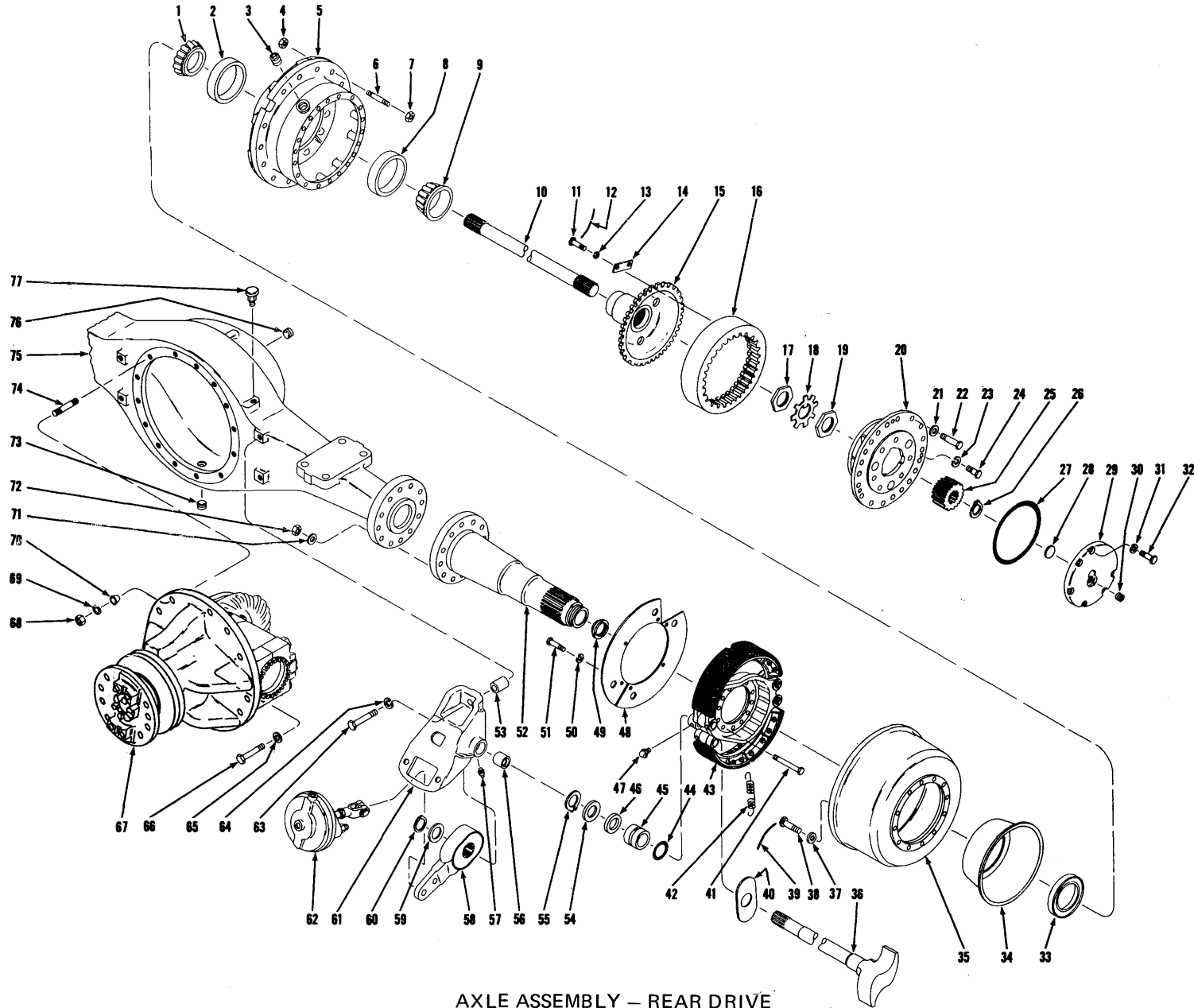
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	131928	AXLE ASSY (Inc. 1 thru 68A)	1	37	-----	REAR BRAKE ASSY — See Index	—
1	774025	CONE, Inner Hub Bearing	2	38	112215	SPRING, Brake Shoe Return	2
2	774024	CUP, Inner Hub Bearing	2	39	118381	BOLT, Brake Drum to Hub	24
3	11F-12	PLUG, Hub Filler	2	39A	104412	WASHER, Brake Drum to Hub	24
4	118383	HUB ASSY (Inc. 2, 5)	2	40	125248	SEAL, Hub Oil	2
5	742262	CUP, Outer Hub Bearing	2	41	117445	CATCHER, Oil	2
6	742263	CONE, Outer Hub Bearing	2	42	118805	DRUM, Brake	2
7	110559	NUT, Inner Spindle	2	43	18C-1064	BOLT, Spindle & Brake Attaching	20
8	118786	LOCK, Spindle Nut	2	44	110939	CAM SHAFT — R.H.	1
9	110559	NUT, Outer Spindle	2	44A	110940	†CAM SHAFT — L.H.	1
10	106232	GEAR, Sun	2	45	107735	WASHER, Cam Shaft Thrust	2
11	224023	RING, Sun Gear Retaining	2	46	12H-15	FITTING, Brake Spider Grease	2
12	106457	WASHER, Sun Gear Thrust	2	47	25K-60124	"O" RING, Cam Shaft	2
13	113292	"O" RING, Thrust Cap	2	48	107739	BUSHING, Brake Spider	2
14	11F-12	PLUG, Thrust Cap	2	49	11E-135	RETAINER, Brake Spider Grease	2
15	1C-720	BOLT, Thrust Cap	12	50	107736	WASHER, Cam Shaft	2
15A	112278	LKWSHR, Thrust Cap	12	51	660516	RING, Washer Retaining	2
16	815565	KIT, Sun Gear Thrust Cap (Inc. 12, 13, 14, 15A)	2	52	110941	SPACER, Air Chamber Bracket	4
17	1C-908	BOLT, Planet Puller Hole	6	53	102189	BUSHING, Air Chamber Bracket	2
17A	3E-09	LKWSHR, Planet Puller Hole	6	54	10H-25	FITTING, Air Chamber Bracket Grease	2
18	117225	BOLT, Planet Carrier to Hub	40	55	107631	BRACKET ASSY, Air Chamber — R.H. (Inc. 53)	1
18A	106547	WASHER, Planet Carrier to Hub	40	55A	107632	†BRACKET ASSY, Air Chamber — L.H. (Inc. 53)	1
19	-----	PLANET CARRIER — See Index	—	56	107247	*ADJUSTER, Slack — B.W. 222485	2
20	110624	BOLT, Internal Gear to Hub	16	57	117697	*AIR CHAMBER (Inc. 57A) — B.W. 279507	2
21	110622	GEAR, Internal	2	57A	946213	†*DIAPHRAGM, Air Chamber — B.W. #234099	2
22	110553	HUB, Internal Gear	2	58	17C-928	BOLT, Carrier to Axle Housing	7
23	106234	AXLE SHAFT	2	58A	106547	WASHER, Carrier to Axle Housing	7
24	103522	NUT, Wheel	20	59	17C-932	BOLT, Carrier to Axle Housing	2
25	103445	STUD, Wheel	20	59A	106547	WASHER, Carrier to Axle Housing	2
26	86D-12	NUT, Wheel Stud	20	60	17C-940	BOLT, Carrier to Axle Housing	2
27	107004	HOUSING, Axle	1	60A	106547	WASHER, Carrier to Axle Housing	2
28	12F-204	PLUG, Housing Expansion	1	61	64D-09	NUT, Carrier Stud	3
29	11F-12	PLUG, Housing Filler	1	62	106547	WASHER, Carrier Stud	3
30	106656	BREATHER, Axle Housing	1	63	112295	DOWEL, Carrier Stud	3
31	11F-12	PLUG, Housing Drain	1	64	659764	RING, Slack Adjuster Retaining	2
32	106998	NUT, Spindle & Brake Attaching	20	65	-----	DIFFERENTIAL & CARRIER ASSY — See Index	—
33	104412	WASHER, Spindle & Brake Attaching	20	66	107010	WASHER, Slack Adjuster Retaining	2
34	111710	SPINDLE — See Note "A"	2	67	112294	STUD, Carrier to Axle Housing	3
35	1C-612	**BOLT, Dust Cover	4	68	1C-1056	BOLT, Air Chamber Bracket	4
35A	1C-616	†**BOLT, Dust Cover	4	68A	4E-10	LKWSHR, Air Chamber Bracket	4
35B	4E-06	**LKWSHR, Dust Cover	8				
36	118041	**COVER, Brake Dust	4				
36A	112695	†**PLATE, Dust Cover	2				

†Not Illustrated

NOTE "A": For replacement use 1-118786 Spindle Nut Lock to replace existing Nut Lock, plus 1-816023 Kit, which consists of 1-123945 Spindle & 1-123949 Sleeve.

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

**NOTE: Optional Equipment — not furnished with machine.



AXLE ASSEMBLY – REAR DRIVE
For Serial: Cummins – 8AFC101 & after. G.M. – 11AFG101 & after

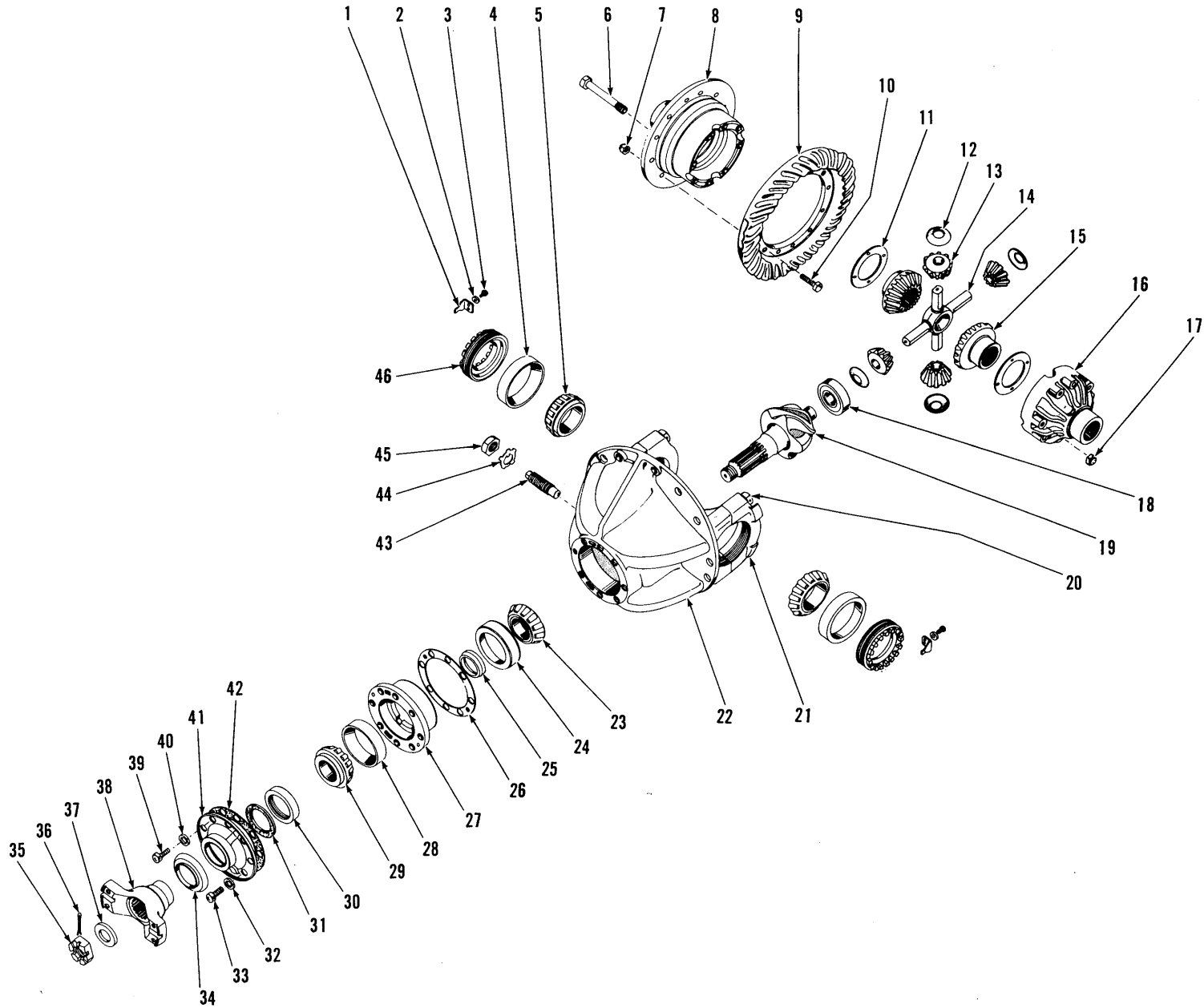
TS-7726-P

AXLE ASSEMBLY — REAR DRIVE
For Serial: Cummins — 8AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	190088	AXLE ASSY (Inc. 1 thru 47, 49, 52 thru 77)	1	42	119650	SPRING, Brake Shoe Return	2
1	774025	CONE, Inner Hub Bearing	2	43	-----	BRAKE ASSY, Rear — See Index	—
2	774024	CUP, Inner Hub Bearing	2	44	25K-60124	"O" RING, Cam Shaft	2
3	11F-12	PLUG, Hub Filler	2	45	107739	BUSHING, Brake Spider	2
4	86D-12	NUT, Wheel Stud	20	46	11E-135	RETAINER, Cam Shaft Grease	2
5	118383	HUB ASSY (Inc. 2, 8)	2	47	12H-15	FITTING, Brake Spider Grease	2
6	103445	STUD, Wheel	20	48	118041	**COVER, Brake Dust	4
7	103522	NUT, Wheel	20	48A	112695 †	**PLATE, Dust Cover Reinforcing	2
8	742262	CUP, Outer Hub Bearing	2	49	128315	RING, Sun Gear Thrust (For Serial Group A)	2
9	742263	CONE, Outer Hub Bearing	2	49A	119853	RING, Sun Gear Thrust (For Serial Group B)	2
10	118916	SHAFT, Axle	2	50	4E-06	**LKWSHR, Dust Cover	8
11	4C-820	BOLT, Hub to Gear	24	51	18C-612	**BOLT, Dust Cover	4
12	-----	‡LOCKWIRE — 18 Gauge	—	51A	18C-616	**BOLT, Dust Cover	4
13	4E-08	LKWSHR, Hub to Gear	24	52	119852	SPINDLE — See Note A	2
14	122701	PLATE, Hub to Gear Retaining	12	53	110941	SPACER, Air Chamber Bracket to Housing	4
15	119213	*HUB, Internal Gear	2	54	107736	WASHER, Cam Shaft	2
16	119211	*GEAR, Internal Ring	2	55	660516	RING, Bushing Retaining	2
17	110559	NUT, Spindle	2	56	102189	BUSHING, Air Chamber Bracket	2
18	118786	LOCK, Spindle Nut	2	57	10H-25	FITTING, Air Chamber Bracket Grease	2
19	110559	NUT, Spindle	2	58	107247 ***	ADJUSTER, Slack — B.W. 222485	2
20	-----	PLANET CARRIER — See Index	—	59	107010	WASHER, Slack Adjuster	2
21	106547	WASHER, Planet Carrier to Hub	40	60	659764	RING, Slack Adjuster Retaining	2
22	117225	BOLT, Planet Carrier to Hub	40	61	-----	BRACKET ASSY, Air Chamber (Inc. 56)	—
23	3E-09	LKWSHR, Planet Puller Hole	6	61A	107632	LEFT HAND	1
24	1C-908	BOLT, Planet Puller Hole	6	61B	107631	†RIGHT HAND	1
25	117448	GEAR, Sun	2	62	117697 ***	CHAMBER, Air — B.W. 279507 (Inc. 62A)	2
26	224023	RING, Sun Gear Retaining	2	62A	946213 *** †	DIAPHRAGM, Air Chamber — B.W. 234099	2
27	113292	"O" RING, Thrust Cap	2	63	1C-1056	BOLT, Bracket to Housing	4
28	106457	WASHER, Sun Gear Thrust	2	64	4E-10	LKWSHR, Bracket to Housing	4
29	815565	KIT, Sun Gear Thrust Cap (Inc. 27, 28, 30, 31)	2	65	106547	WASHER, Carrier to Housing	11
30	11F-12	PLUG, Thrust Cap	2	66	17C-928	BOLT, Carrier to Housing	7
31	112278	LKWSHR, Thrust Cap	12	66A	17C-932	BOLT, Carrier to Housing	2
32	1C-720	BOLT, Thrust Cap	12	66B	17C-940	BOLT, Carrier to Housing	2
33	125248	SEAL, Hub Oil	2	67	-----	DIFF & CARRIER ASSY — See Index	—
34	117445	CATCHER, Oil	2	67A	-----	‡†PERMATEx #2 — Diff. & Carrier to Housing	—
35	118805	DRUM, Brake	2	68	64D-09	NUT, Carrier to Housing	3
36	-----	CAM SHAFT, Brake	—	69	106547	WASHER, Carrier to Housing	3
36A	111703	LEFT HAND	1	70	112295	DOWEL, Carrier to Stud	3
36B	111702	†RIGHT HAND	1	71	104412	WASHER, Brake & Spindle to Hsg.	20
37	104412	WASHER, Brake Drum to Hub	24	72	106998	NUT, Brake & Spindle to Housing	20
38	118381	BOLT, Brake Drum to Hub	24	73	11F-12	PLUG, Housing Drain	1
39	-----	‡LOCKWIRE, 19 Gauge	—	74	112294	STUD, Carrier to Housing	3
40	107735	WASHER, Cam Shaft Thrust	2	75	118912	HOUSING, Axle	1
41	18C-1064	BOLT, Brake & Spindle to Housing	20	75A	12F-204	†PLUG, Housing Expansion	1
				76	11F-12	PLUG, Housing Filler	1
				77	106656	BREATHER, Housing	1

‡As Required †Not Illustrated
 *NOTE: When replacing items 15 or 16 on Machine Serial 8AFC101 both items must be replaced at the same time, plus items 11 thru 14 must also be used.
 **NOTE: Optional Equipment — Not furnished with machine.
 ***NOTE: Your Bendix-Westinghouse Distributor is equipped to service and supply these parts.
 NOTE "A": When replacing item 52 use 1-816023 Kit, which consists of 1-123945 Spindle plus 1-123947 Sleeve, for Serial Group A items 18 & 49A must also be used.
 Serial Group A — Cummins — 8AFC101 thru 9AFC125
 Serial Group B — Cummins — 9AFC126 and after. G.M. 11AFG101 and after

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



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	118511	***DIFF. & CARRIER ASSY (Inc. 1 thru 46)	1	26	114351	‡SHIM, Bearing Cage — Thin	—
1	100941	LOCK, Adjusting Nut	2	26A	125578	‡‡SHIM, Bearing Cage — Medium	—
2	4E-06	LKWSHR, Adjusting Nut Lock	2	26B	101220	‡‡SHIM, Bearing Cage — Thick	—
3	3C-614	BOLT, Adjusting Nut Lock	2	27	101211	***CAGE, Outer Pinion Brg. (Inc. 24, 28)	1
4	675252	CUP, Differential Bearing	2	28	675259	CUP, Outer Pinion Bearing	1
5	675254	CONE, Differential Bearing	2	29	675260	CONE, Outer Pinion Bearing	1
6	126625	BOLT, Differential Case	8	30	111721	SEAL, Pinion Shaft Oil	1
7	86D-09	NUT, Ring Gear	12	31	101217	GASKET, Pinion Shaft Oil Seal	1
8	—	§DIFFERENTIAL CASE, Flange Half — See Item 50	1	32	4E-10	LKWSHR, Oil Seal Retainer	7
9	—	§RING GEAR — See Item 49	1	33	1C-1032	BOLT, Oil Seal Retainer	7
10	101196	BOLT, Ring Gear	12	34	101222	DEFLECTOR, Pinion Dust	1
11	118478	WASHER, Side Gear Thrust	2	35	101223	NUT, Pinion Shaft	1
12	101204	WASHER, Differential Pinion Thrust	4	36	1F-740	COTTER, Pinion Shaft Nut	1
13	815746	PINION KIT, Differential	1	37	101224	WASHER, Pinion Shaft	1
14	117105	SPIDER, Differential	1	38	108871	FLANGE, Companion	1
15	106206	GEAR, Differential Side	2	39	1C-828	BOLT, Oil Seal Retainer Locating	1
16	—	§DIFFERENTIAL CASE, Plain Half — See Item 50	1	40	4E-08	LKWSHR, Oil Seal Retainer Locating	1
17	86D-10	NUT, Differential Case	8	41	101214	RETAINER, Oil Seal	1
18	675265	BEARING, Inner Pinion	1	42	107483	GASKET, Oil Seal Retainer	1
19	—	§PINION — See Item 49	—	43	101226	**SCREW, Differential Thrust	1
20	101210	BOLT, Carrier Cap	4	44	101227	**LOCK, Differential Thrust Screw	1
20A	111658	†WASHER, Carrier Cap	4	45	8D-18	**NUT, Differential Thrust Screw	1
21	—	§CAP, Differential Carrier — See Item 22	2	46	123748	NUT, Differential Adjusting	2
22	815521	*CARRIER ASSY, Differential (Inc. 20, 20A, 21)	1	47	121244	†DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
23	675263	CONE, Center Pinion Bearing	1	48	121237	†DIFFERENTIAL BODY SUB-ASSY (Inc. 6, 8, 11 thru 17)	1
24	675262	CUP, Center Pinion Bearing	1	49	116632	†GEAR & PINION SET (Inc. 9, 19)	1
25	815200	SPACER KIT, Pinion Bearing	1	50	815737	†DIFFERENTIAL CASE KIT (Inc. 6, 8, 11, 12, 16, 17)	1

§Not Sold Separately

†Not Illustrated

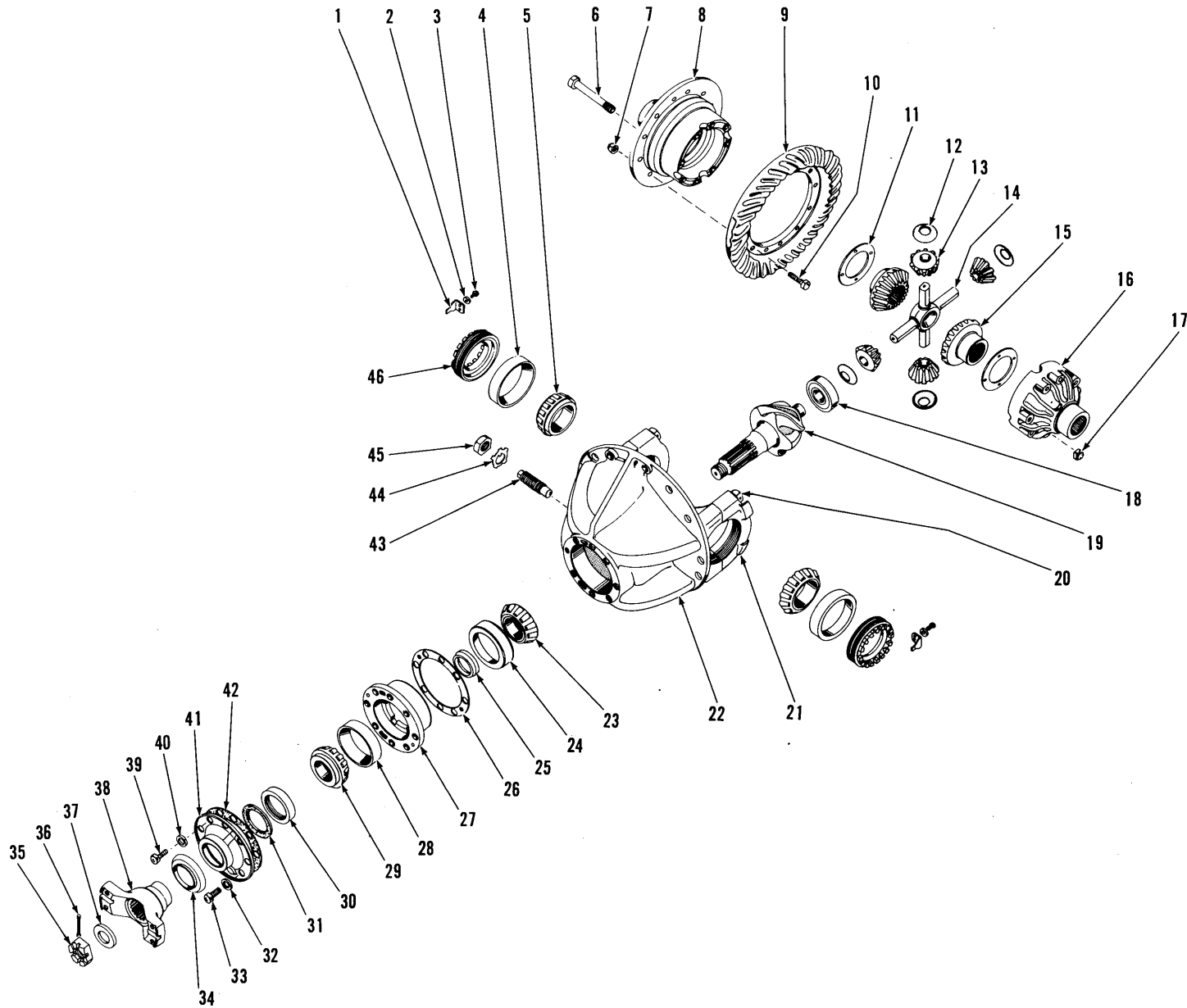
‡As Required

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

**NOTE: Some units not equipped with this feature.

***NOTE: For complete replacement use 122840 Diff. and Carrier Assy.

***NOTE: For replacement use 815987 Kit which consists of 1—107477 Pinion Bearing Cage Assembly, which consists of: 1—107478 Bearing Cage, 1—675259 Bearing Cup, & 1—655262 Bearing Cup; 1—122734 Pinion Oil Seal Retainer plus 1—118068 Pinion Oil Seal.



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	122840	DIFF. & CARRIER ASSY (Inc. 1 thru 46)	1	26	114351	‡ SHIM, Brg. Cage — Thin	—
1	100941	LOCK, Adjusting Nut	2	26A	125578	‡‡ SHIM, Brg. Cage — Medium	—
2	4E-06	LKWSHR, Adjusting Nut	2	26B	125579	‡‡ SHIM, Brg. Cage — Thick	—
3	3C-614	BOLT, Adjusting Nut Lock	2	27	815987	CAGE, Outer Pinion Brg. (Inc. 24, 28)	1
4	675252	CUP, Differential Bearing	2	28	675259	CUP, Outer Pinion Brg.	1
5	675254	CONE, Differential Bearing	2	29	675260	CONE, Outer Pinion Brg.	1
6	126625	BOLT, Differential Case	8	30	111721	SEAL, Pinion Shaft Oil	1
7	86D-09	NUT, Ring Gear	12	31	101217	GASKET, Pinion Oil Seal	1
8	-----	§ DIFFERENTIAL CASE, Flange Half — See Item 50	1	32	4E-10	LKWSHR, Seal Retainer	7
9	-----	§ RING GEAR — See Item 49	1	33	1C-1032	BOLT, Oil Seal Retainer	7
10	101196	BOLT, Ring Gear	12	34	101222	DEFLECTOR, Pinion Dust	1
11	118478	WASHER, Side Gear Thrust	2	35	101223	NUT, Pinion Shaft	1
12	101204	WASHER, Diff. Pinion Thrust	4	36	1F-740	COTTER, Pinion Shaft Nut	1
13	815746	PINION KIT, Differential	1	37	101224	WASHER, Pinion Shaft	1
14	117105	SPIDER, Differential	1	38	108871	FLANGE, Companion	1
15	106206	GEAR, Differential Side	2	39	1C-828	BOLT, Oil Seal Retainer	1
16	-----	§ DIFFERENTIAL CASE, Plain Half — See Item 50	1	40	4E-08	LKWSHR, Oil Seal Retainer	1
17	86D-10	NUT, Differential Case	8	41	101214	RETAINER, Oil Seal	1
18	675265	BEARING, Inner Pinion	1	42	107483	GASKET, Oil Seal Retainer	1
19	-----	§ PINION — See Item 49	—	43	101226	SCREW, Differential Thrust	1
20	101210	BOLT, Carrier Cap	4	44	101227	LOCK, Diff. Thrust Screw	1
20A	111658	† WASHER, Carrier Cap	4	45	8D-18	NUT, Diff. Thrust Screw	1
21	-----	§ CAP, Differential Carrier — See Item 22	2	46	123748	NUT, Diff. Adjusting	2
22	815521	* CARRIER ASSY, Differential (Inc. 20, 20A, 21)	1	47	121244	† DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
23	675263	CONE, Center Pinion Brg.	1	48	121237	† DIFFERENTIAL BODY SUB-ASSY (Inc. 6, 8, 11 thru 17)	1
24	675262	CUP, Center Pinion Brg.	1	49	116632	† GEAR & PINION SET (Inc. 9, 19)	1
25	815200	SPACER KIT, Pinion Brg.	1	50	815864	† DIFFERENTIAL CASE KIT (Inc. 6, 8, 11, 12, 16, 17)	1

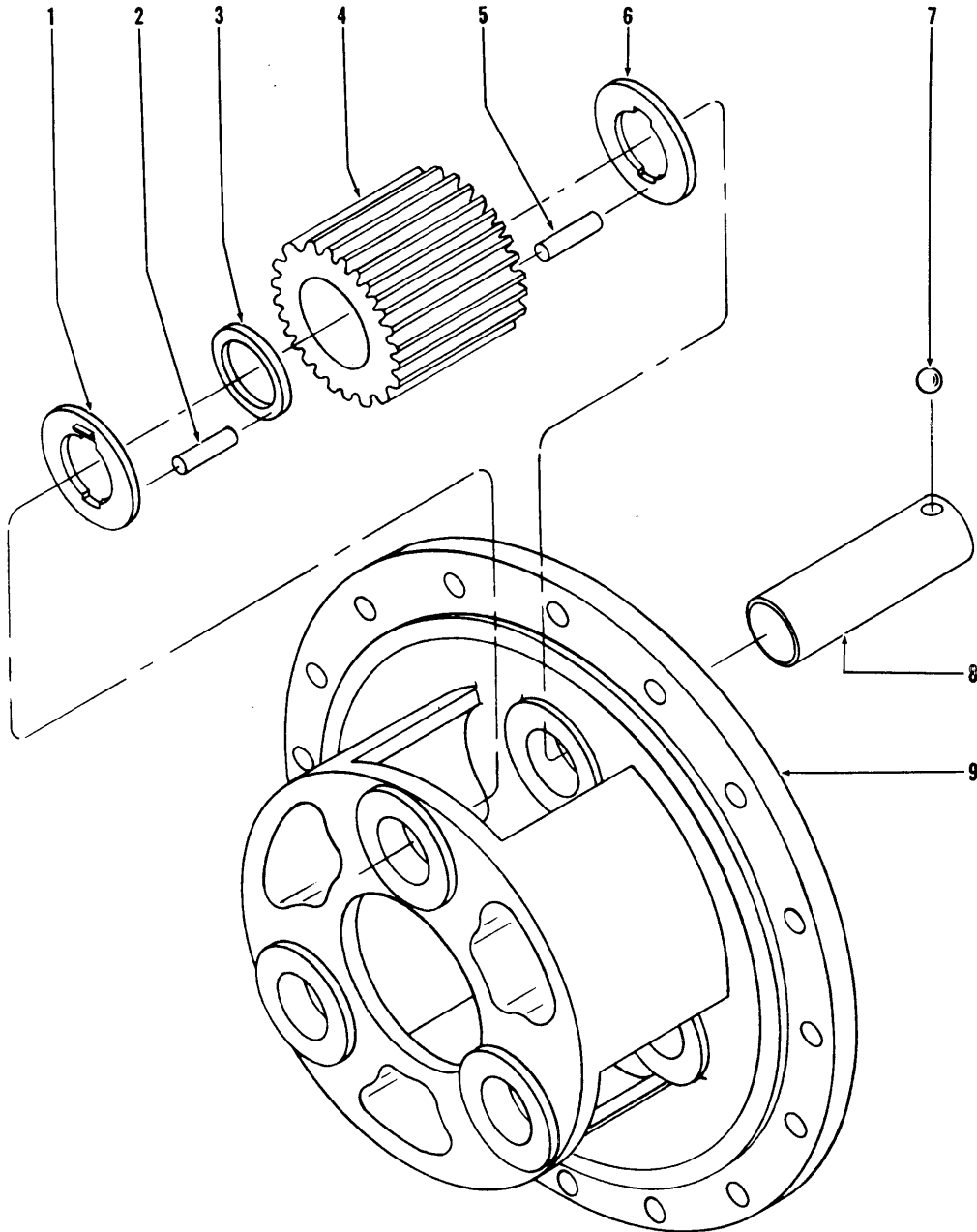
§ Not Sold Separately

† Not Illustrated

‡ As Required

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

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



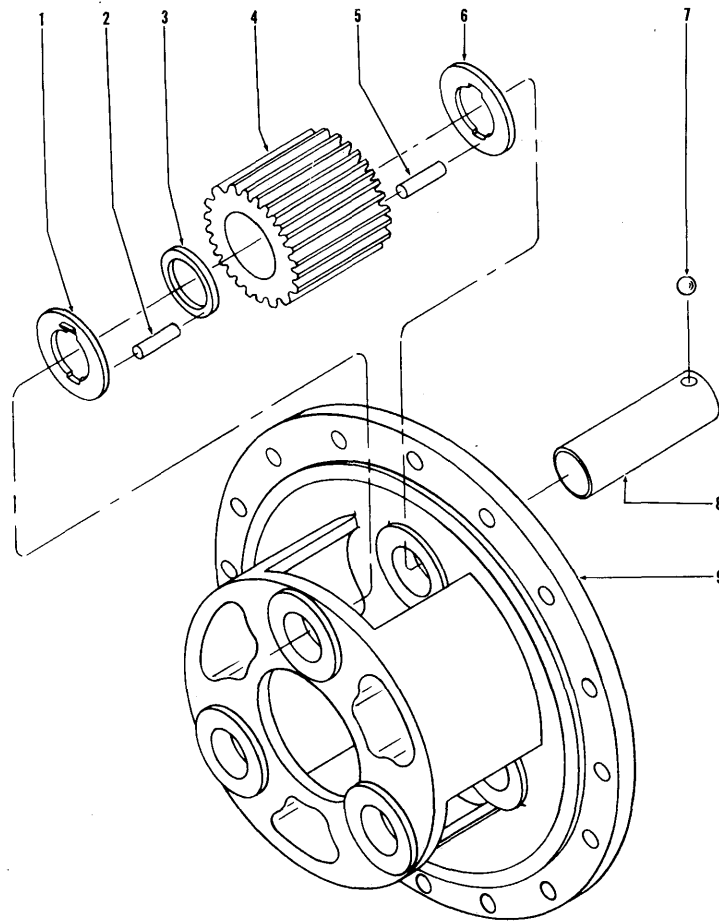
TS-460-P

PLANET CARRIER ASSEMBLY – FRONT AND REAR – CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.
A	116847	*CARRIER ASSY (Inc. 1 thru 9)	4
NOTE: Two Carriers are used on axle – Quantities listed below are for (1) Carrier.			
1	106357	WASHER, Pinion Thrust	3
2	106358	ROLLER, Pinion	75
3	106359	SPACER, Pinion Roller	3
4	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	117896	**CARRIER, Planet	1

*NOTE: For complete replacement use 816066 Kit which consists of 1–117504 Planet Carrier Assy. plus 1–124382 Sun Gear Thrust Washer.

**NOTE: For replacement use 816064 Kit which consists of 1–117505 Planet Carrier Assy. plus 1–124382 Sun Gear Thrust Washer.



TS-460

No.	Part No.	Qty.	Description
A	2,5,7119204	4	Carrier assy
B	3,6,8119207	2	Carrier assy F
C	4,6,8117504	2	Carrier assy R
1	106357	3	Washer
2	106358	75	Roller
3	106359	3	Spacer
4	106356	3	Pinion
5	106358	75	Roller
6	106357	3	Washer
7	10J-12	3	Ball
8	106355	3	Shaft
9	5119205	2	Carrier
9A	6119208	1	Carrier
9B	6117505	1	Carrier

2 Inc. 1 → 9

3 Inc. 1 → 8, 9A

4 Inc. 1 → 8, 9B

5 For planet with stud & dowel

6 For planet with bolt & washer

7 Assemblies used Quantities listed are for 1

8 Two (2) used per machine. Quantities listed are for one (1).

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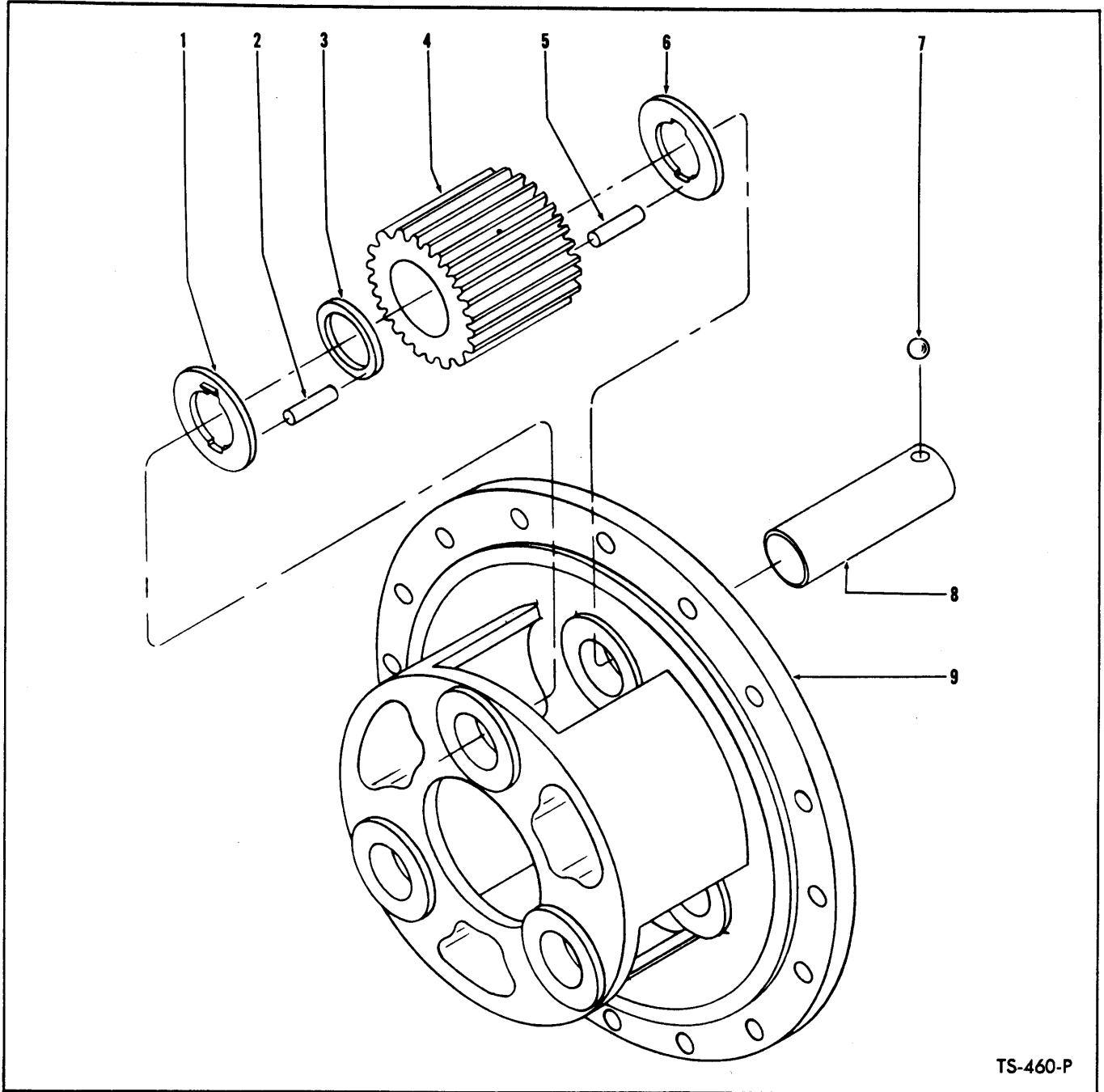
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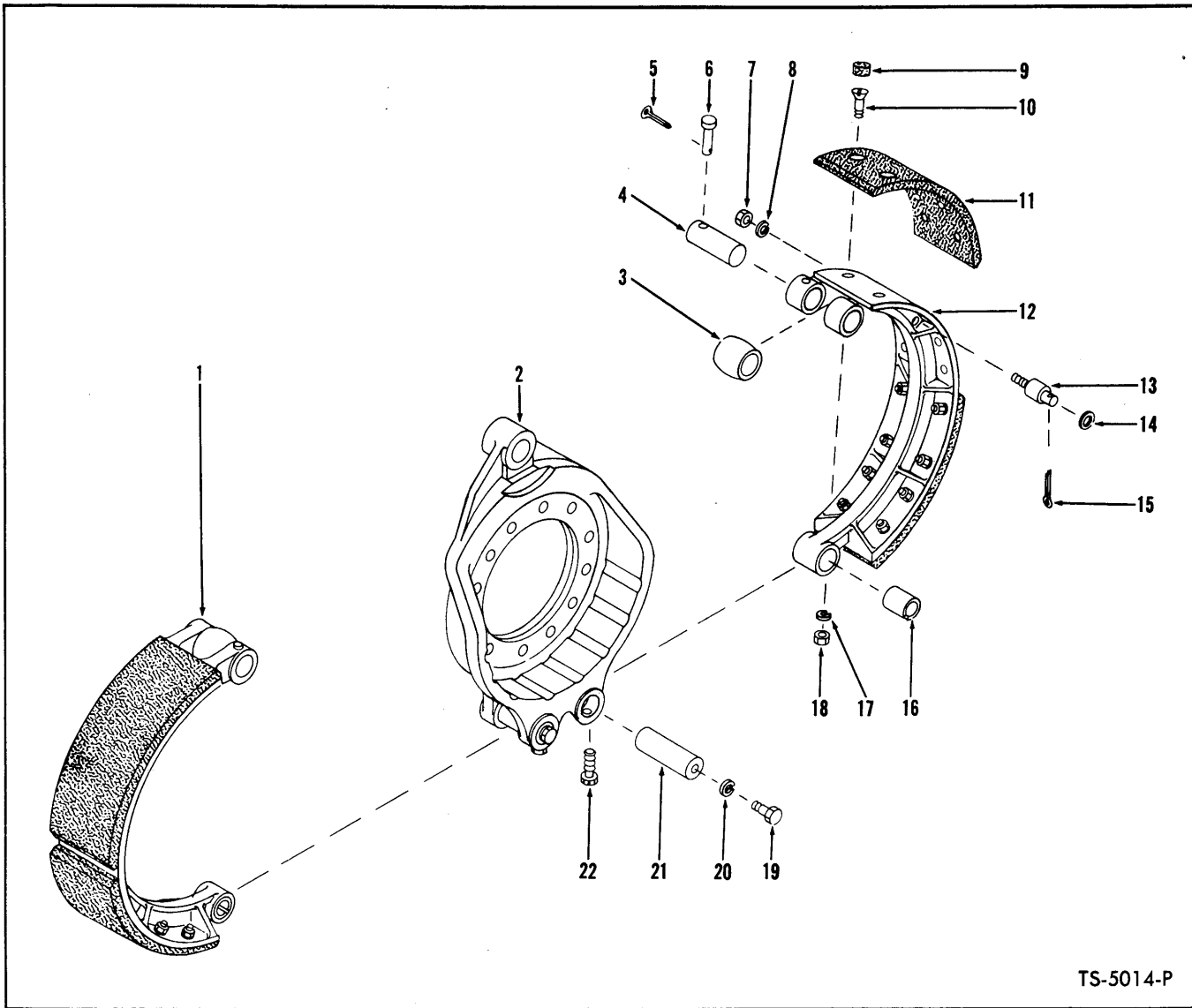
TS-460-P

PLANET CARRIER ASSEMBLY — FRONT AND REAR

**For Serial: Cummins — 8AFC101 and after
G.M. — 11AFG101 and after**

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

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



TS-5014-P

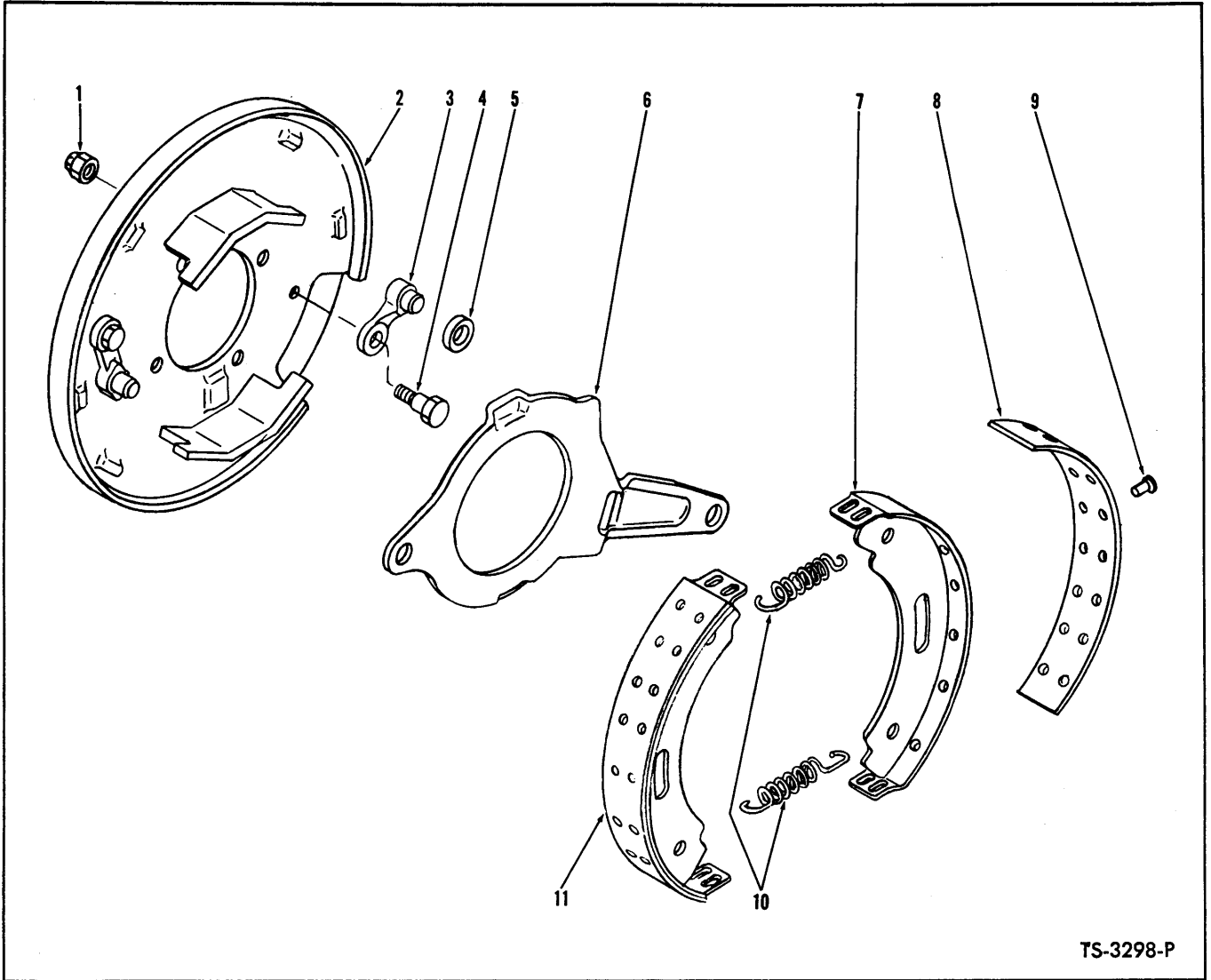
BRAKE ASSEMBLY — FRONT AND REAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	116884	BRAKE ASSY (Inc. 1 thru 13, 16 thru 22)	4	11		LINING, Brake Shoe	
		NOTE: Four Brakes are used on machine — Quantities listed below are for 1 Brake		11A	116887	STANDARD	4
				11B	116888	OVERSIZE (1/8")	4
1	116885	SHOE ASSY, Brake (Inc. 3 thru 6, 9 thru 12, 16 thru 18)	2	12		§SHOE, Brake — See 1	2
2	112410	SPIDER, Brake	1	13	112216	PIN, Spring Anchor	2
3	112210	*ROLLER, Brake Cam	2	14	25E-21	WASHER, Spring Anchor Pin	2
4	112211	*PIN, Brake Cam Roller	2	15	1F-412	COTTER, Spring Anchor Pin	2
5	1F-308	COTTER, Roller Pin Lock	2	16	112212	*BUSHING, Brake Shoe	2
6	110855	**PIN, Cam Roller Pin Lock	2	17	24E-06	LKWSHR, Lining to Shoe	32
7	2D-06	NUT, Spring Anchor Pin	2	18	2D-06	NUT, Lining to Shoe	32
8	4E-06	LKWSHR, Spring Anchor Pin	2	19	1C-812	BOLT, Puller Hole Plug	2
9	113249	PLUG, Brake Lining	32	20	4E-08	LKWSHR, Puller Hole Plug	2
10	111439	BOLT, Lining to Shoe	32	21	112213	PIN, Anchor	2
				22	109597	SCREW, Anchor Pin Set	2

§ Not Sold Separately

*NOTE: For replacement use 840851 Kit which consists of 2—126246 Roller, 4—25K-40028 "O" Ring, 2—126247 Pin, 4—126248 Bushing, 2—123823 Pin,

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



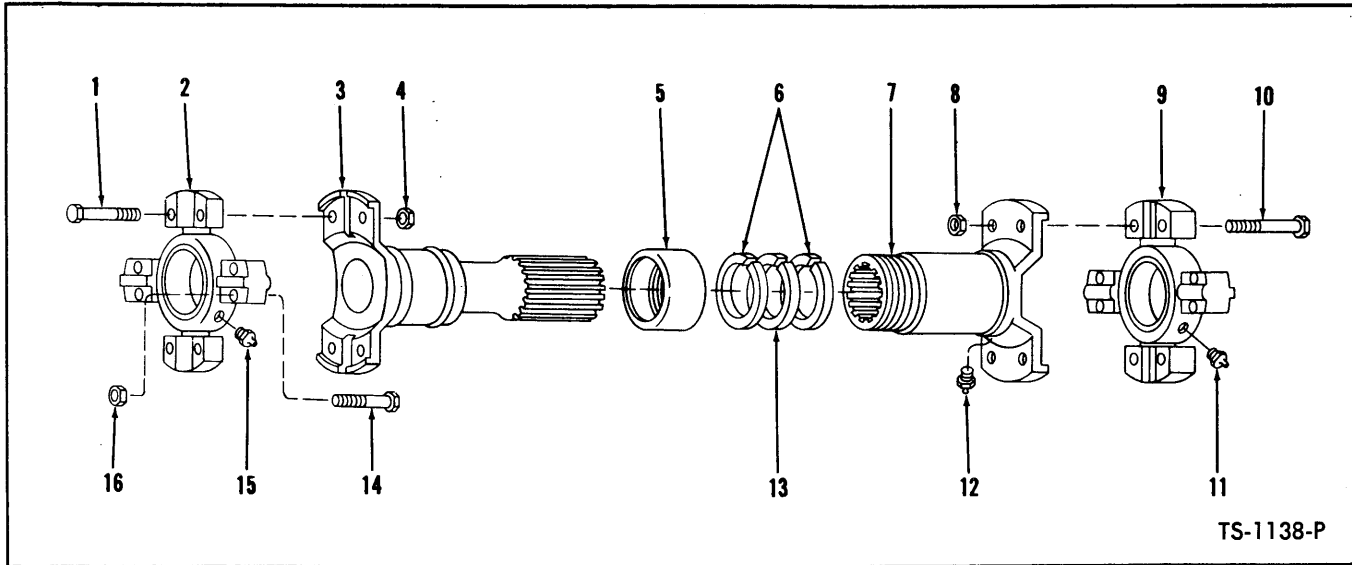
TS-3298-P

PARKING BRAKE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	112439	BRAKE ASSY (Inc. 1 thru 11)	1
1	-----	§NUT, Pawl to Plate — See 3	2
2	945084	PLATE, Backing	1
3	886719	BRAKE PAWL KIT (Inc. 1, 4, 5)	2
4	-----	§BOLT, Pawl to Plate — See 3	2
5	220968	ROLLER, Brake Actuating	1
6	220965	LEVER, Cam Operating	1
7	-----	§SHOE, Brake — See 11	2
8	942405	LINING KIT, Brake Shoe (Inc. 9)	2
9	945051	RIVET, Lining to Shoe	28
10	220969	SPRING, Shoe Return	2
11	872712	SHOE ASSY, Brake (Inc. 7, 8, 9)	2

§Not Sold Separately

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

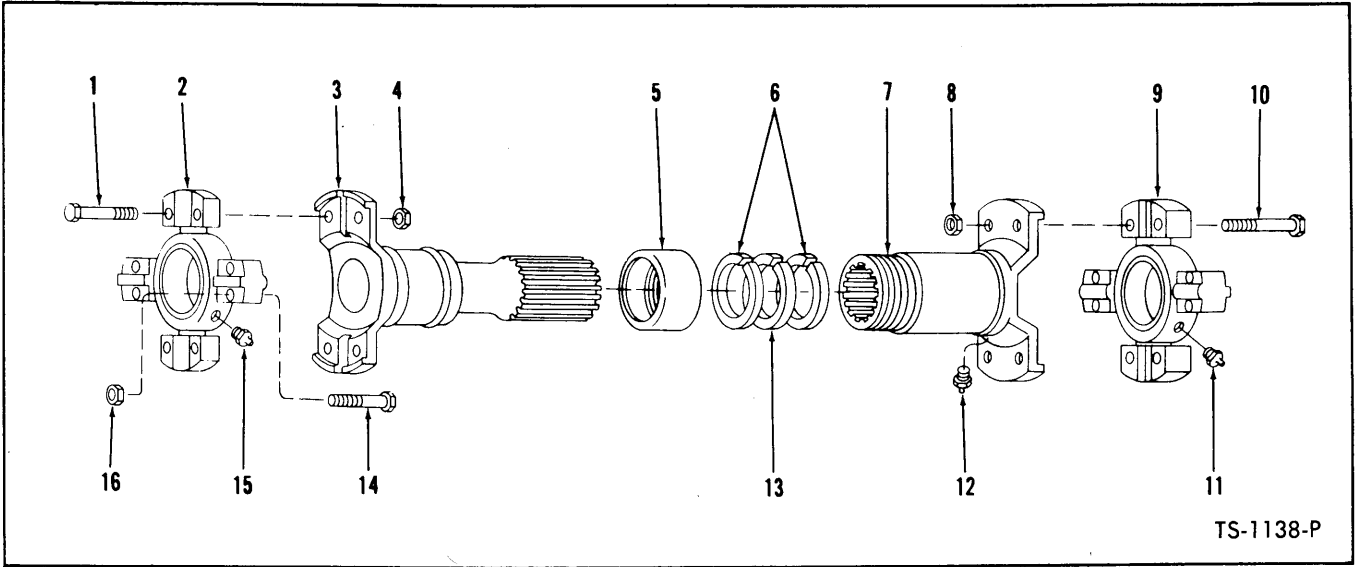


TS-1138-P

PROPELLER SHAFT ASSEMBLIES — CUMMINS
For Serial: 7AFC101 thru 9AFC210 and 9AFC212

Item No.	Description	TRANS. TO MID MOUNT BEARING	TRANS. TO REAR AXLE	CONV. TO TRANS.	MID MOUNT BEARING TO FRONT AXLE	NO. REQ'D.
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16)	513928	530108	528998	549040	1
1	BOLT, Spider & Bearing to Tube	940229	940229	18C632	940229	4
2	SPIDER & BEARING ASSY	942735	942735	944862	942735	1
3	TUBE	946101	943230	944690	945740	1
4	NUT, Spider & Bearing to Tube	8D-08	8D-08	8D-06	8D-08	4
5	RETAINER, Felt	940250	940250	940090	940250	1
6	WASHER, Felt Retainer	940251	940251	940091	940251	2
7	SLIP YOKE	942734	942734	940224	942734	1
8	NUT, Spider & Bearing to Slip Yoke	8D-08	8D-08	8D-06	8D-08	4
9	SPIDER & BEARING ASSY	942735	942735	944862	942735	1
10	BOLT, Spider & Bearing to Slip Yoke	940229	940229	18C632	940229	4
11	FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	944688	1
12	FITTING, Slip Yoke Grease	10H-25	10H-25	10H-25	10H-25	1
13	FELT WASHER	942749	942749	940092	942749	1
14	BOLT, Spider & Bearing Attaching	940229	940229	18C632	940229	8
15	FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	944688	1
16	NUT, Spider & Bearing Attaching	8D-08	8D-08	8D-06	8D-08	8

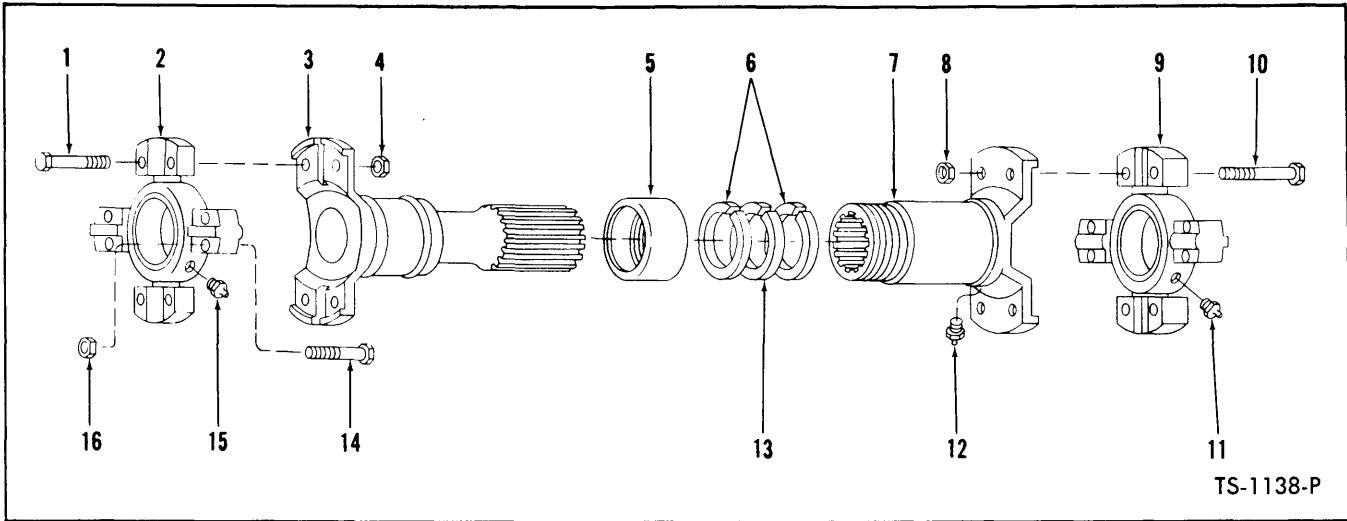
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



PROPELLER SHAFT ASSEMBLIES
For Serial: Cummins — 9AFC211, 9AFC213 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999

Item No.	Description	TRANS. TO MID MOUNT BEARING	TRANS. TO REAR AXLE	CONV. TO TRANS.	MID MOUNT BEARING TO FRONT AXLE	NO. REQ'D.
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16)	513928	556432	528998	549040	1
B	KIT, Dust Cap (Inc. 5, 6, 13)	-----	980615	-----	-----	1
1	BOLT, Spider & Bearing to Tube	940229	940229	18C632	940229	4
2	SPIDER & BEARING ASSY	942735	946641	944862	942735	1
3	TUBE	946101	946642	944690	945740	1
4	NUT, Spider & Bearing to Tube	8D-08	8D-08	8D-06	8D-08	4
5	RETAINER, Felt	940250	See B	940090	940250	1
6	WASHER, Felt Retainer	940251	See B	940091	940251	2
7	SLIP YOKE	942734	946643	940224	942734	1
8	NUT, Spider & Bearing to Slip Yoke	8D-08	8D-08	8D-06	8D-08	4
9	SPIDER & BEARING ASSY	942735	946641	944862	942735	1
10	BOLT, Spider & Bearing to Slip Yoke	940229	940229	18C632	940229	4
11	FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	944688	1
12	FITTING, Slip Yoke Grease	10H-25	10H-25	10H-25	10H-25	1
13	FELT WASHER	942749	942749	940092	942749	1
14	BOLT, Spider & Bearing Attaching	940229	940229	18C632	940229	8
15	FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	944688	1
16	NUT, Spider & Bearing Attaching	8D-08	8D-08	8D-06	8D-08	8

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

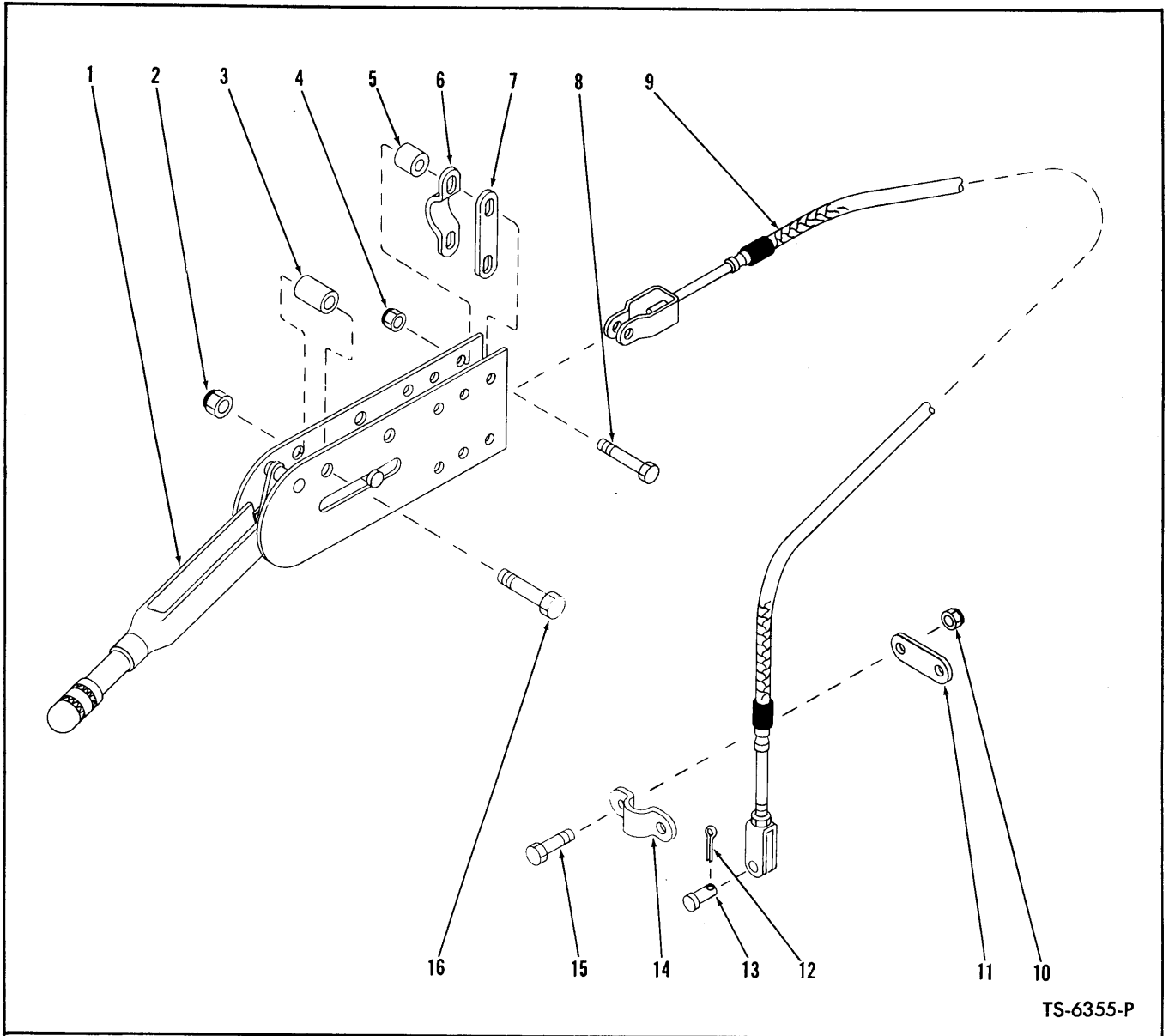


TS-1138-P

PROPELLER SHAFT ASSEMBLIES
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

Item No.	Part No.	Description	Transmission to Rear Axle	Converter to Transmission	Mid Mount Bearing to Front Axle	Transmission to Mid Mount Bearing (Rear)	No. Req'd.
A		PROPELLER SHAFT ASSY (Inc. 1 thru 16)	556432	1526594	513928	513928	1
B		KIT, Dust Cap (Inc. 5, 6, 13)	980615	-----	-----	-----	1
1		BOLT, Spider & Bearing to Tube	940229	18C632	940229	940229	4
2		SPIDER & BEARING ASSY	946641	944862	942735	942735	1
3		TUBE	946642	947245	946101	946101	1
4		NUT, Spider & Bearing to Tube	8D-08	8D-06	8D-08	8D-08	4
5		RETAINER, Felt	See "B"	940090	940250	940250	1
6		WASHER, Felt Retainer	See "B"	940091	940251	940251	2
7		SLIP YOKE	946643	940224	942734	942734	1
8		NUT, Spider & Bearing to Slip Yoke	8D-08	8D-06	8D-08	8D-08	4
9		SPIDER & BEARING ASSY	946641	944862	942735	942735	1
10		BOLT, Spider & Bearing to Slip Yoke	940229	18C632	940229	940229	4
11		FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	10H-35	1
12		FITTING, Slip Yoke Grease	10H-35	10H-25	10H-25	10H-25	1
13		FELT WASHER	See "B"	940092	942749	942749	1
14		BOLT, Spider & Bearing Attaching	940229	18C632	940229	940229	8
15		FITTING, Spider & Bearing Grease	10H-35	10H-35	10H-35	10H-35	1
16		NUT, Spider & Bearing Attaching	8D-08	8D-06	8D-08	8D-08	8

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



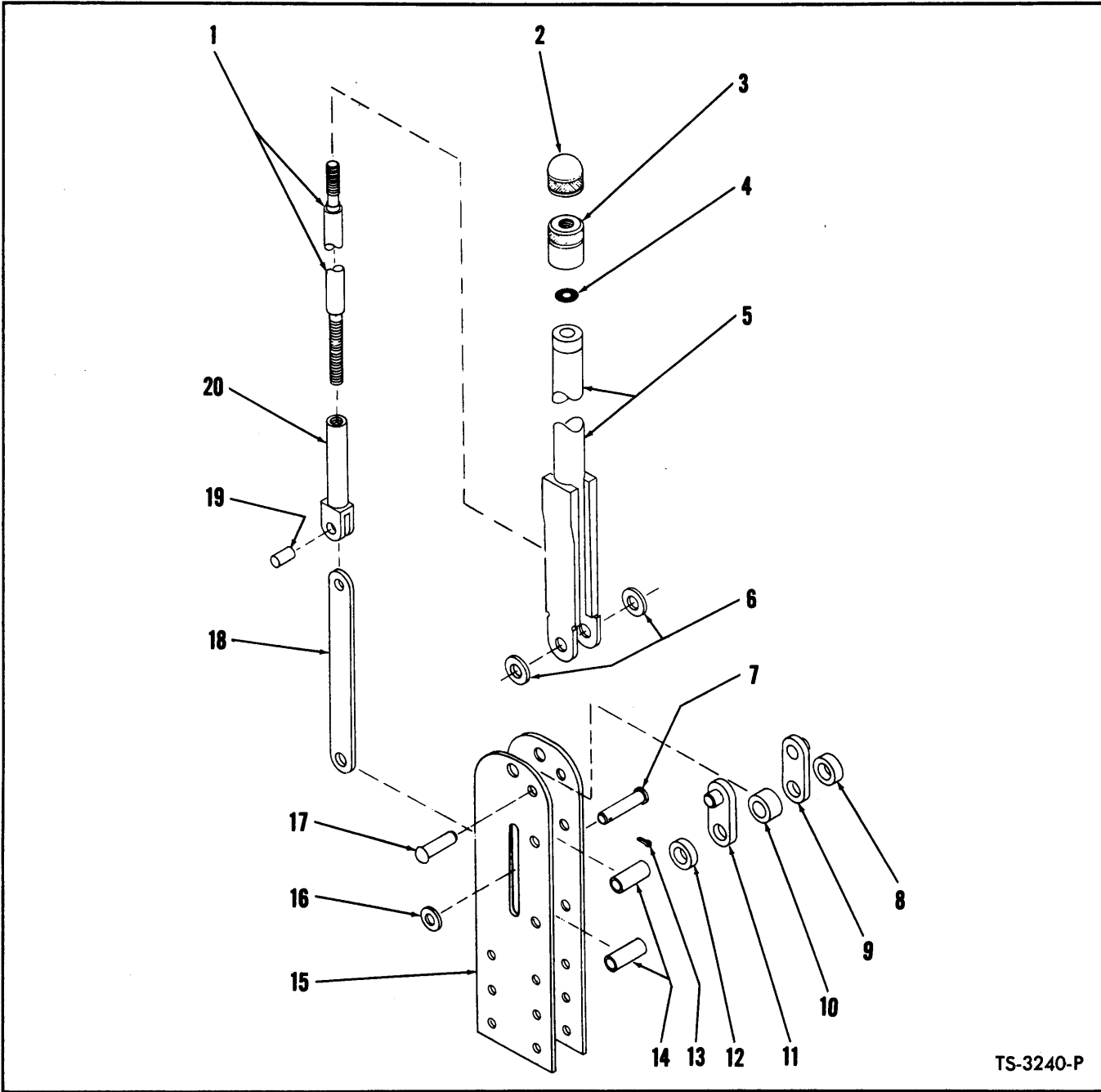
TS-6355-P

PARKING BRAKE CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	3951954	HAND BRAKE LEVER ASSY -----	1	8	18C-528	BOLT, Cable Clamp to Lever -----	2
2	18D-06	NUT, Lever Mounting -----	2	9	572038	CABLE, Parking Brake -----	1
2A	545006	†SPACER, Lever Mounting -----	1	10	18D-05	NUT, Clamp -----	2
3	545005	SPACER, Lever Mounting -----	2	11	645092	LINK, Cable Clamp -----	1
4	18D-05	NUT, Cable Mounting -----	2	12	1F-312	COTTER, Clevis Pin -----	1
4A	545006	†SPACER Lever Mounting -----	1	13	4F-06106	PIN, Cable Clevis -----	1
5	545006	SPACER, Cable Mounting -----	2	14	544512	CLAMP, Cable -----	1
6	544512	CLAMP, Cable -----	1	15	18C-516	BOLT, Cable Clamp to Lug -----	2
7	645092	LINK, Cable Clamp -----	1	16	18C-644	BOLT, Lever Mounting -----	2

†Not Illustrated

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



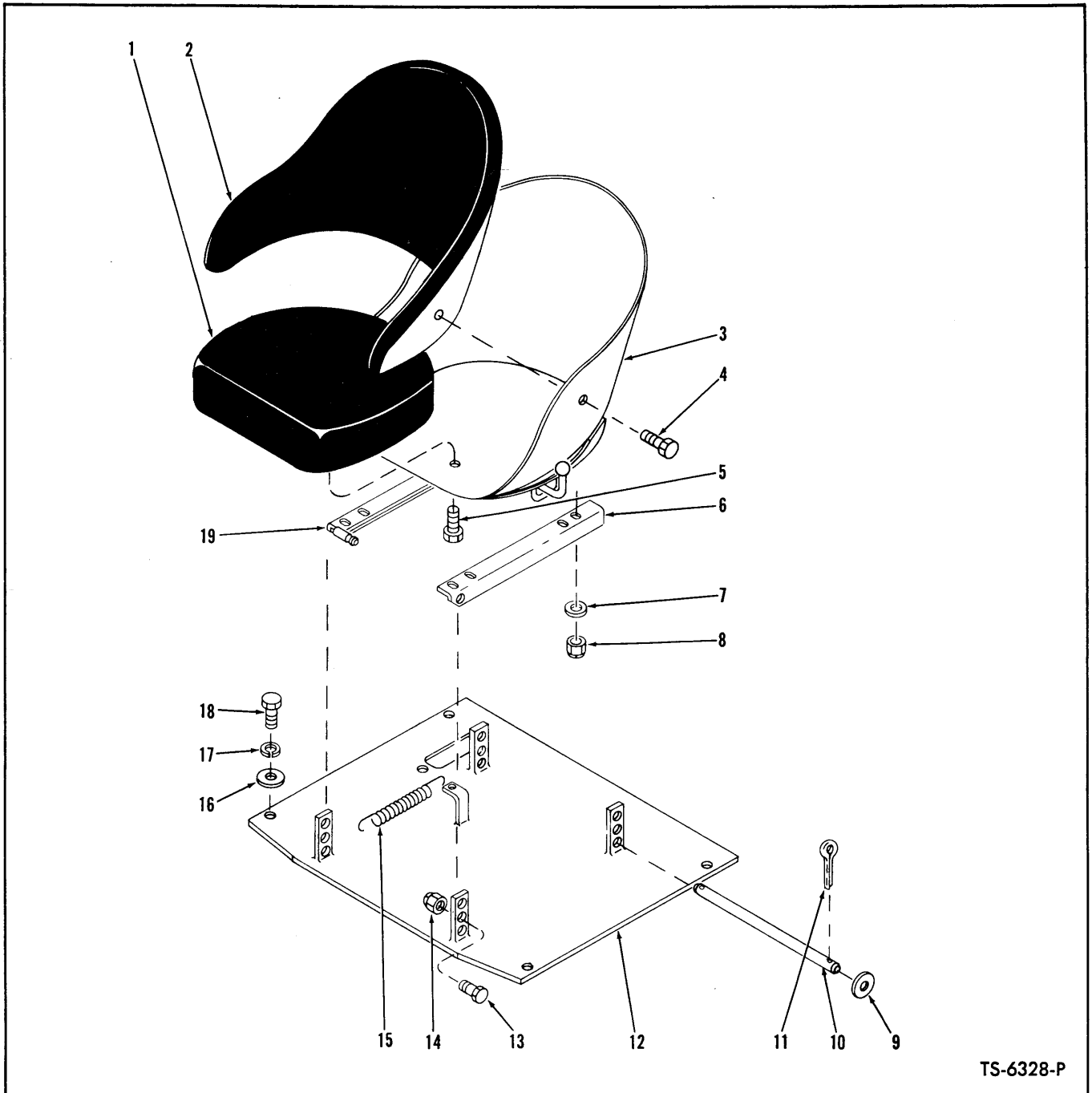
TS-3240-P

PARKING BRAKE LEVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	544998	LEVER ASSY (Inc. 1 thru 20)	1	11	862653	BRACKET, Pivot	1
1	866349	SCREW, Adjusting	1	12	862656	SPACER, Pivot Bracket	1
2	949370	CAP, Adjusting Knob (Incl. 3)	1	13	1F-312	COTTER, Link Pivot Pin	1
3	-----	§BASE, Adjusting Knob - See 2	1	14	645095	SPACER, Mounting Bracket	2
4	25K-30012	"O" RING	1	15	944969	BRACKET, Lever Mounting	2
5	-----	§BODY, Brake Lever - See A	1	16	25E-15	WASHER, Link Pivot Pin	1
6	25E-18	WASHER, Body to Bracket	2	17	-----	§RIVET, Pivot Bracket - See A	1
7	862738	PIN, Adjusting Screw Link Pivot	1	18	862652	LINK, Adjusting Screw	1
8	862656	SPACER, Pivot Bracket	1	19	941238	PIN, Link to Tube	1
9	862653	BRACKET, Pivot	1	20	944968	TUBE, Adjusting Screw	1
10	862655	SPACER, Pivot Bracket	1				

§ Not Sold Separately

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

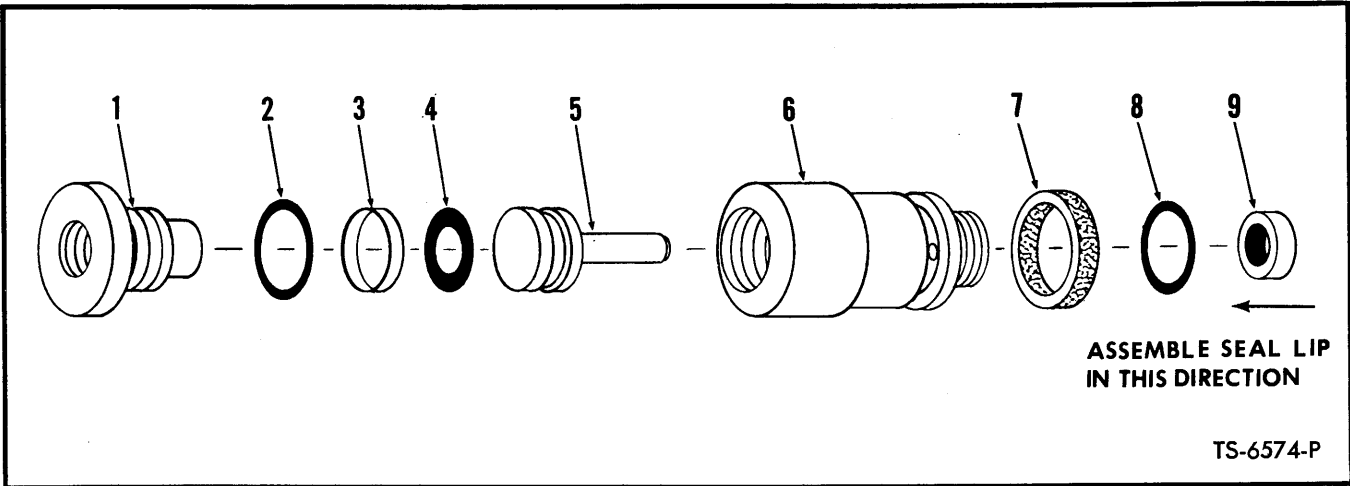


TS-6328-P

SEAT AND SUPPORT GROUP

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1507663	SEAT ASSY, Bucket (Inc. 1 thru 5)	1	10	557458	BAR, Seat Mounting	1
1	948144	CUSHION, Seat	1	11	1F-420	COTTER, Seat Mounting Bar	2
2	948143	CUSHION, Back Rest	1	12	568781	SUPPORT, Seat	1
3	944982	BUCKET	1	13	18C-824	BOLT, Seat Pivot	2
4	1C-610	BOLT, Cushion Mounting	3	14	18D-08	NUT, Seat Pivot	2
5	1C-610	BOLT, Cushion Mounting	1	15	550301	SPRING	1
6	558779	ANGLE, Left Hand	1	16	619029	WASHER, Seat Support to Frame	4
7	25E-15	WASHER, Seat Mounting	4	17	4E-08	LKWSHR, Seat Support to Frame	4
8	18D-05	NUT, Seat Mounting	4	18	17C-820	BOLT, Seat Support to Frame	4
9	25E-22	WASHER, Seat Mounting Bar	2	19	558777	ANGLE, Right Hand	1

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

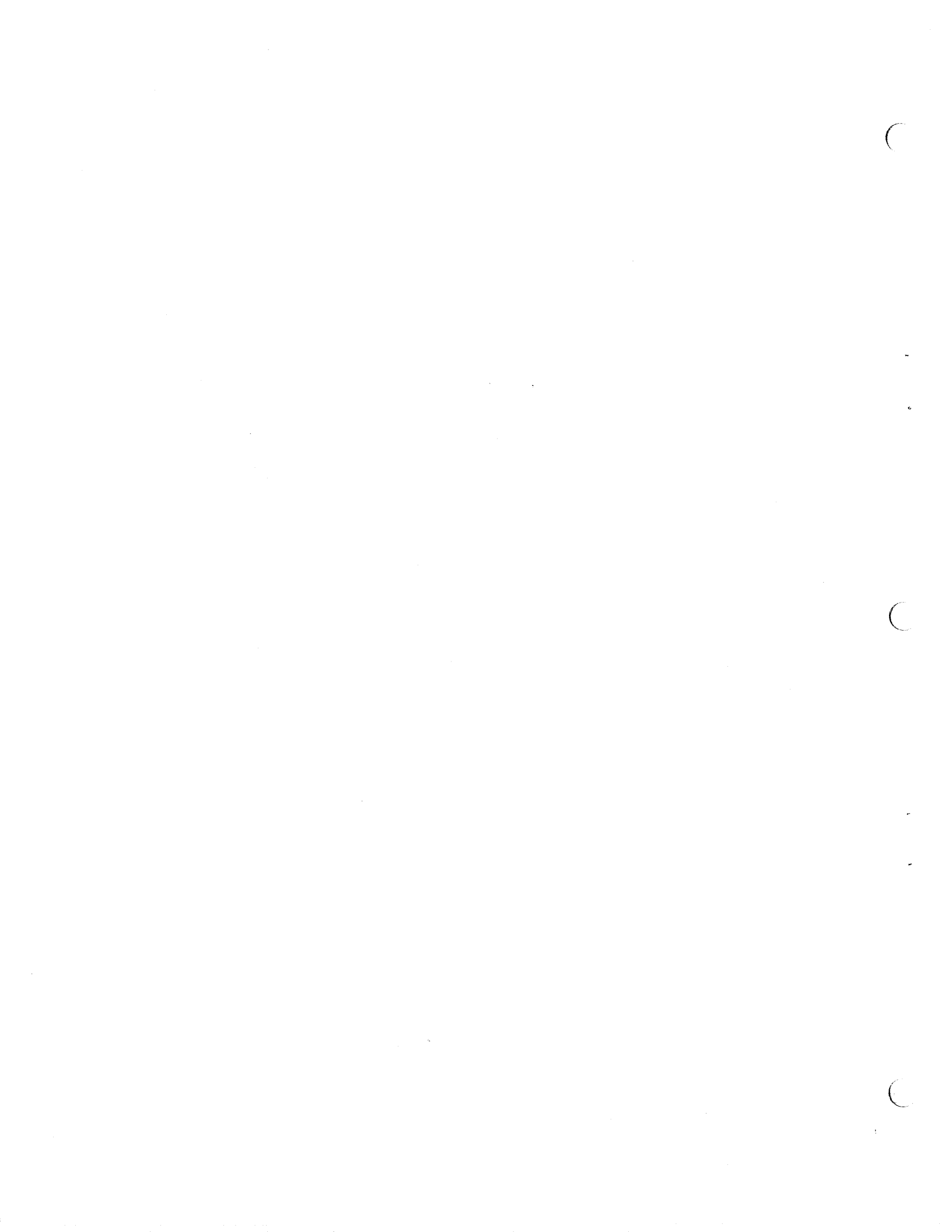


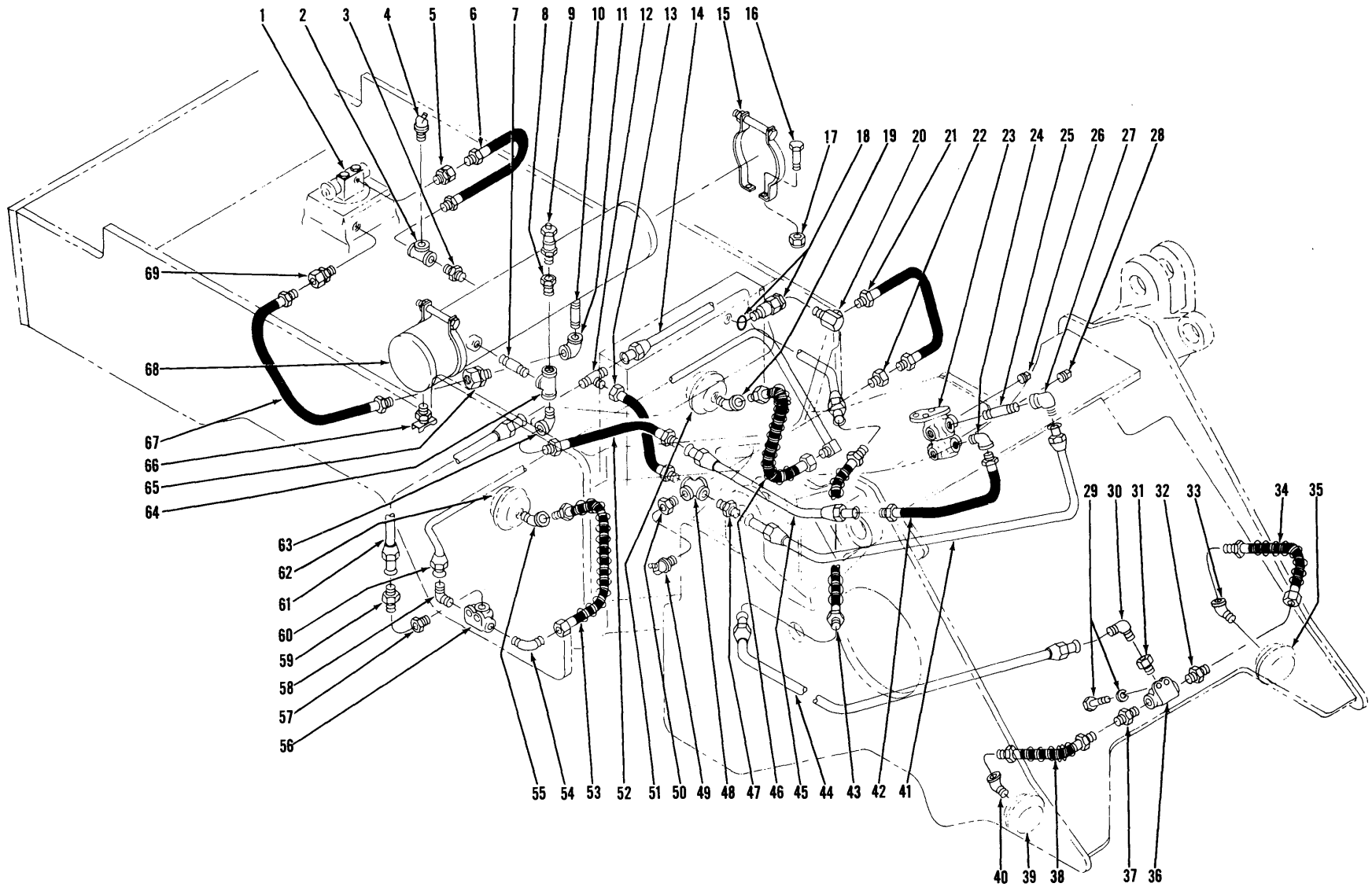
DECLUTCH VALVE

Item No.	Part No.	Description	No. Req'd.
A	217927	VALVE ASSY (Inc. 1 thru 9)	1
1	217928	PLUG, Piston Stop	1
2	91F-8	"O" RING, Plug	1
3	227672	RING, Piston	1
4	25K-30020	"O" RING, Piston	1
5	227673	PISTON, Valve	1
6	217929	HOUSING, Valve	1
7	228931	SEAL, Band	1
8	25K-30022	"O" RING, Housing	1
9	229131	SEAL, Piston Oil	1

NOTES

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





BRAKE AIR LINES – CUMMINS
For Serial: 7AFC101 thru 9AFC999

TS-6340-P

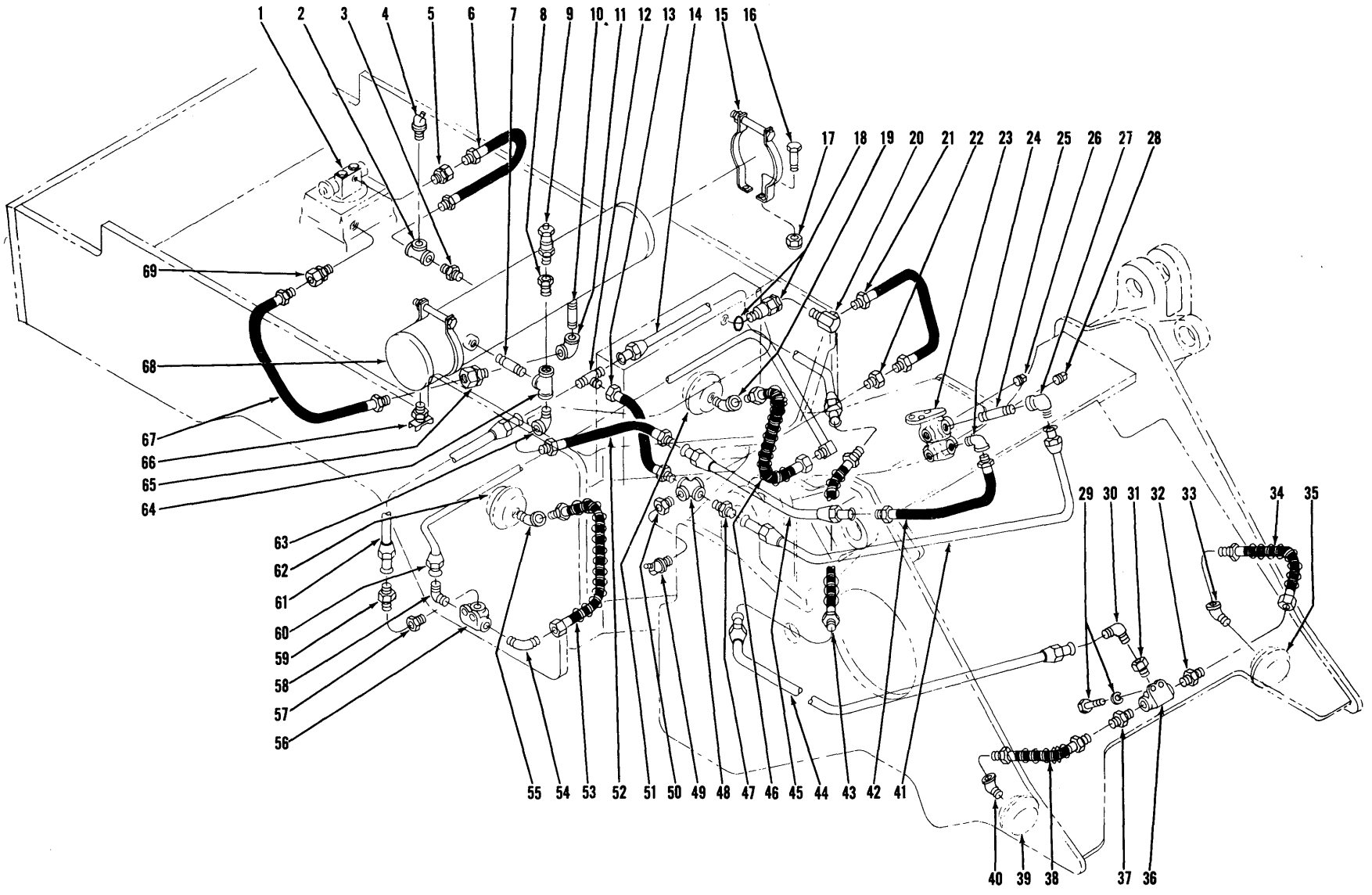
BRAKE AIR LINES — CUMMINS
For Serial: 7AFC101 thru 9AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	AIR COMPRESSOR GOVERNOR — See Engine Parts Manual	—	36	521439	VALVE, Quick Release	1
2	18F-1	TEE, Compressor	1	37	38F-9	CONNECTOR, Hose to Quick Release Valve	1
3	5K-106	NIPPLE, Tee to Reservoir	1	38	571697	HOSE, Quick Release Valve to Air Chamber	1
4	940643	*SENDER, Air Pressure	1	39	-----	AIR CHAMBER — See Index	—
4A	14D-10	†NUT, Sender Unit	1	40	26F-2	ELBOW, Hose to Air Chamber	1
4B	14E-10	†LKWSHR, Sender Unit	1	41	571693	TUBE, Foot Valve to Tee	1
5	36F-1	ADAPTER, Compressor to Hose	1	42	571695	HOSE, Foot Valve to Air Reservoir	1
6	539050	HOSE, Governor to Reservoir	1	43	1525177	HOSE, Center Pivot	1
7	5K-410	NIPPLE, Tee to Reservoir	1	44	568187	TUBE, Center Pivot Hose to Quick Release Valve	1
8	19F-5	BUSHING, Tee to Safety Valve	1	45	568581	TUBE, Air Reservoir to Foot Valve	1
9	507815	VALVE, Safety	1	46	568609	HOSE, Tube to Air Chamber	1
10	1530283	STANDPIPE, Elbow to Reservoir	1	47	38F-10	CONNECTOR, Tube to Cross	1
11	24F-4	ELBOW, Adapter to Nipple	1	48	21F-4	CROSS	1
12	44F-7	TEE, Hose to Tubes	1	49	636260	SWITCH, Pressure	1
13	571694	HOSE, Cross to Tee	1	50	19F-4	BUSHING, Reducing — Pressure Switch to Cross	1
14	568576	TUBE, Tee to Front Frame	1	51	-----	AIR CHAMBER — See Index	—
15	527685	BRACKET, Air Reservoir Mounting	2	52	521441	HOSE, Reservoir to Tube	1
16	18C-620	BOLT, Bracket Mounting	4	53	568609	HOSE, Quick Release Valve to Air Chamber	1
17	18D-06	NUT, Bracket Mounting	4	54	42F-8	ELBOW, Quick Release Valve to Hose	1
18	-----	DECLUTCH VALVE — See Index	—	55	26F-2	ELBOW, Hose to Air Chamber	1
19	26F-2	ELBOW, Hose to Air Chamber	1	56	521439	VALVE, Quick Release	1
20	31F-1	ADAPTER, Hose to Declutch Valve	1	56A	18C-510	†BOLT, Quick Release Valve Mounting	2
21	540915	HOSE, Cross to Transmission	1	56B	4E-05	†LKWSHR, Quick Release Valve Mounting	2
22	19F-4	BUSHING, Hose to Cross	1	57	19F-6	BUSHING, Reducing — Connector to Quick Release Valve	1
23	-----	BRAKE VALVE — See Index	—	58	42F-8	ELBOW, Tube to Quick Release Valve	1
24	26F-4	ELBOW, Hose to Brake Valve	1	59	38F-9	CONNECTOR, Tube to Reducer Bushing	1
25	5K-420	NIPPLE, Brake Valve to Elbow	1	60	568580	TUBE, Rear Cross	1
26	13F-08	PLUG, Brake Valve	4	61	568740	TUBE, Supply Line to Rear Cross Tube	1
27	43F-8	ELBOW, Pipe to Brake Valve	1	62	-----	AIR CHAMBER — See Index	—
28	13F-04	PLUG, Brake Valve	2	63	26F-4	ELBOW, Hose to Tee	1
29	18C-510	BOLT, Quick Release Mounting	2	64	18F-4	TEE	1
29A	4E-05	LKWSHR, Quick Release Valve Mounting	2	65	593370	VALVE, Single Check	1
30	42F-8	ELBOW, Tube to Quick Release Valve	1	66	72F-4	DRAIN COCK	1
31	19F-6	BUSHING, Elbow to Quick Release Valve	1	67	529410	HOSE, Compressor to Reservoir	1
32	38F-9	CONNECTOR, Hose to Quick Release Valve	1	68	568476	AIR RESERVOIR	1
33	26F-2	ELBOW, Hose to Air Chamber	1	69	36F-4	ADAPTER, Hose to Compressor	1
34	571697	HOSE, Quick Release Valve to Air Chamber	1				
35	-----	AIR CHAMBER — See Index	—				

†Not Illustrated

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

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



BRAKE AIR LINES – CUMMINS
For Serial: 10AFC101 & after

TS-6340-P

**BRAKE AIR LINES – CUMMINS
For Serial: 10AFC101 and after**

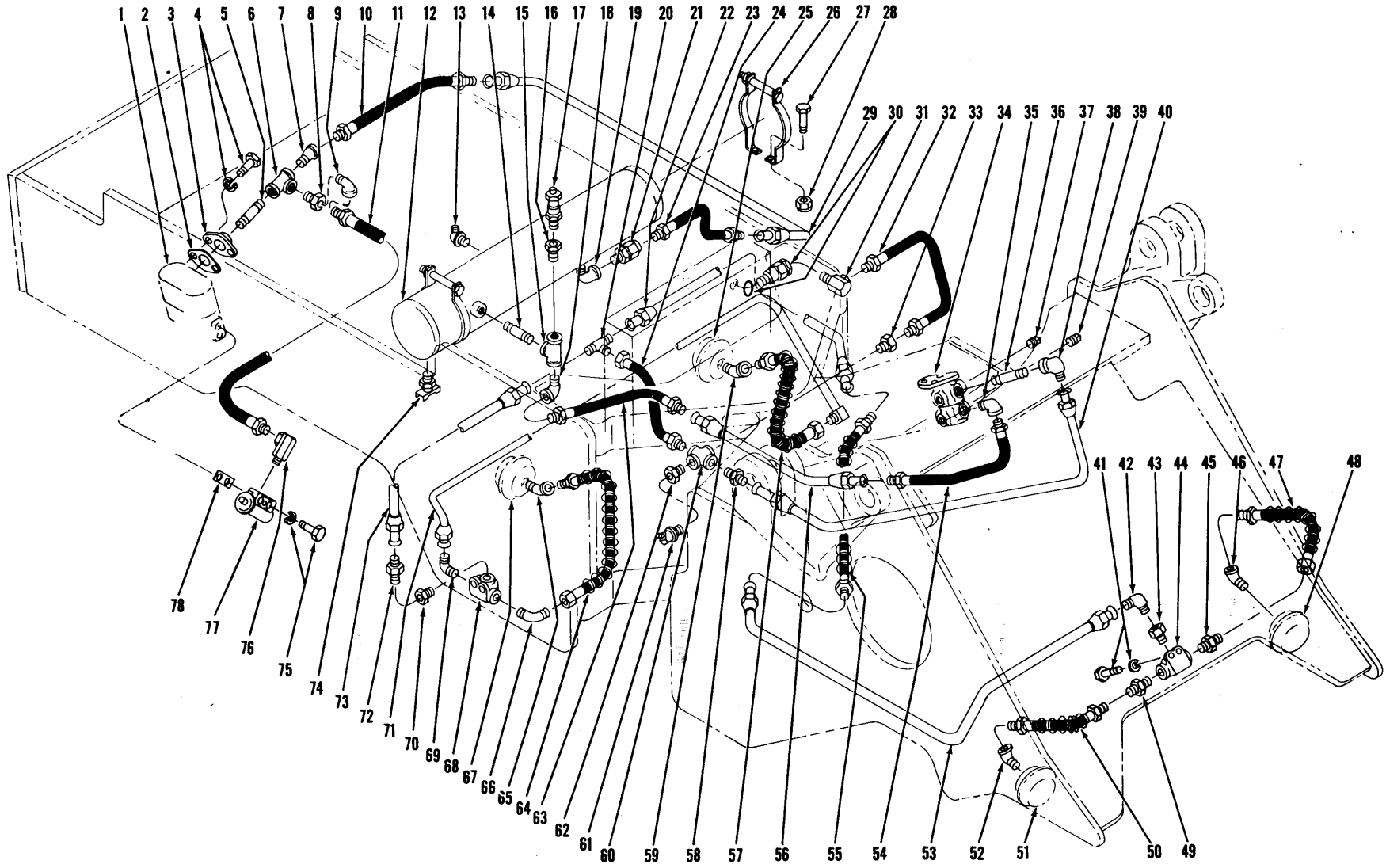
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	----	GOVERNOR – See Engine Manual	—	34	571697	HOSE, Q.R.V. to Chamber	1
2	18F-1	TEE, Reservoir	1	35	-----	AIR CHAMBER – See Index	—
3	5K-106	NIPPLE, Res. to Tee	1	36	521439	*VALVE, Quick Release	
4		<i>SENDER UNIT, Air Pressure</i>				(B.W. 228691)	1
4A	940643	**For Serial: 10AFC101 thru 10AFC210	1	37	38F-9	CONNECTOR, Q.R.V.	1
4B	1534135	For Serial: 10AFC211 & after	1	38	571697	HOSE, Q.R.V. to Chamber	1
5	36F-1	ADAPTER UNION	1	39	-----	AIR CHAMBER – See Index	—
6	539050	HOSE, Gov. to Res.	1	40	26F-2	ELBOW, Air Chamber	1
7	5K-410	NIPPLE, Res. to Tee	1	41	571693	TUBE, Valve to Tee	1
8	19F-5	BUSHING, Tee to Valve	1	42	571695	HOSE, Valve to Res.	1
9	507815	VALVE, Safety	1	43	1525177	HOSE, Center Pivot	1
10	1530283	STANDPIPE, Air Res.	1	44	1525167	TUBE, Hose to Q.R.V.	1
11	24F-4	ELBOW, Valve	1	45	568581	TUBE, Res. to Valve	1
12	44F-7	TEE, Hose to Tubes	1	46	568609	HOSE, Air Chamber	1
13	571694	HOSE, Cross to Tee	1	47	38F-10	CONNECTOR, Tube	1
14	568576	TUBE, Tee to Frame	1	48	21F-4	CROSS, Connecting	1
15	527685	*BRACKET, Res. Mtg. (B.W. 205093)	2	49	636260	SWITCH, Pressure	1
16	18C-620	BOLT, Brk. Mtg.	4	50	19F-4	BUSHING, Reducing	1
17	18D-06	NUT, Brk. Mtg.	4	51	-----	AIR CHAMBER – See Index	—
18	-----	DE-CLUTCH VALVE – See Index	—	52	521441	HOSE, Res. to Tube	1
19	26F-2	ELBOW, Air Chamber	1	53	568609	HOSE, Q.R.V. to Chamber	1
20	31F-1	ADAPTER, Valve	1	54	42F-8	ELBOW, Q.R.V. to Hose	1
21	540915	HOSE, Cross to Trans.	1	55	26F-2	ELBOW, Air Chamber	1
22	19F-4	BUSHING, Reducing	1	56	521439	*VALVE, Quick Release	
23	-----	BRAKE VALVE – See Index	—			(B.W. 228691)	1
24	26F-4	ELBOW, Brake Valve	1	56A	18C-510	†BOLT, Q.R.V. Mtg.	2
25		<i>ADAPTER, Valve to Elbow</i>		56B	4E-05	†LKWSHR, Q.R.V. Mtg.	2
25A	5K-420	For Serial 10AFC101 thru 10AFC999	1	57	19F-6	BUSHING, Reducing	1
25B	36F-4	For Serial 11AFC101 & after	1	58	42F-8	ELBOW, Q.R.V.	1
26	13F-08	PLUG, Brake Valve	4	59	38F-9	CONNECTOR, Tube	1
27		<i>ELBOW, Pipe to Valve</i>		60	568580	TUBE, Rear Cross	1
27A	43F-8	For Serial: 10AFC101 thru 10AFC999	1	61	568740	TUBE, Valve to Tee	1
27B	1535735	For Serial: 11AFC101 & after	1	62	-----	AIR CHAMBER – See Index	—
28	13F-04	PLUG, Brake Valve	2	63	26F-4	ELBOW, Hose to Tee	1
29	18C-510	BOLT, Q.R.V. Mtg.	2	64	18F-4	TEE	1
29A	4E-05	LKWSHR, Q.R.V. Mtg.	2	65	593370	VALVE, Single Check	1
30	42F-8	ELBOW, Tube to Q.R.V.	1	66	72F-4	DRAIN COCK	1
31	19F-6	BUSHING, Q.R.V.	1	67	529410	HOSE, Comp. to Res.	1
32	38F-9	CONNECTOR, Q.R.V.	1	68	568476	AIR RESERVOIR	1
33	26F-2	ELBOW, Air Chamber	1	69	36F-4	ADAPTER, Compressor	1

†Not Illustrated

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

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

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



BRAKE AIR LINES — G.M.

TS-8063-P

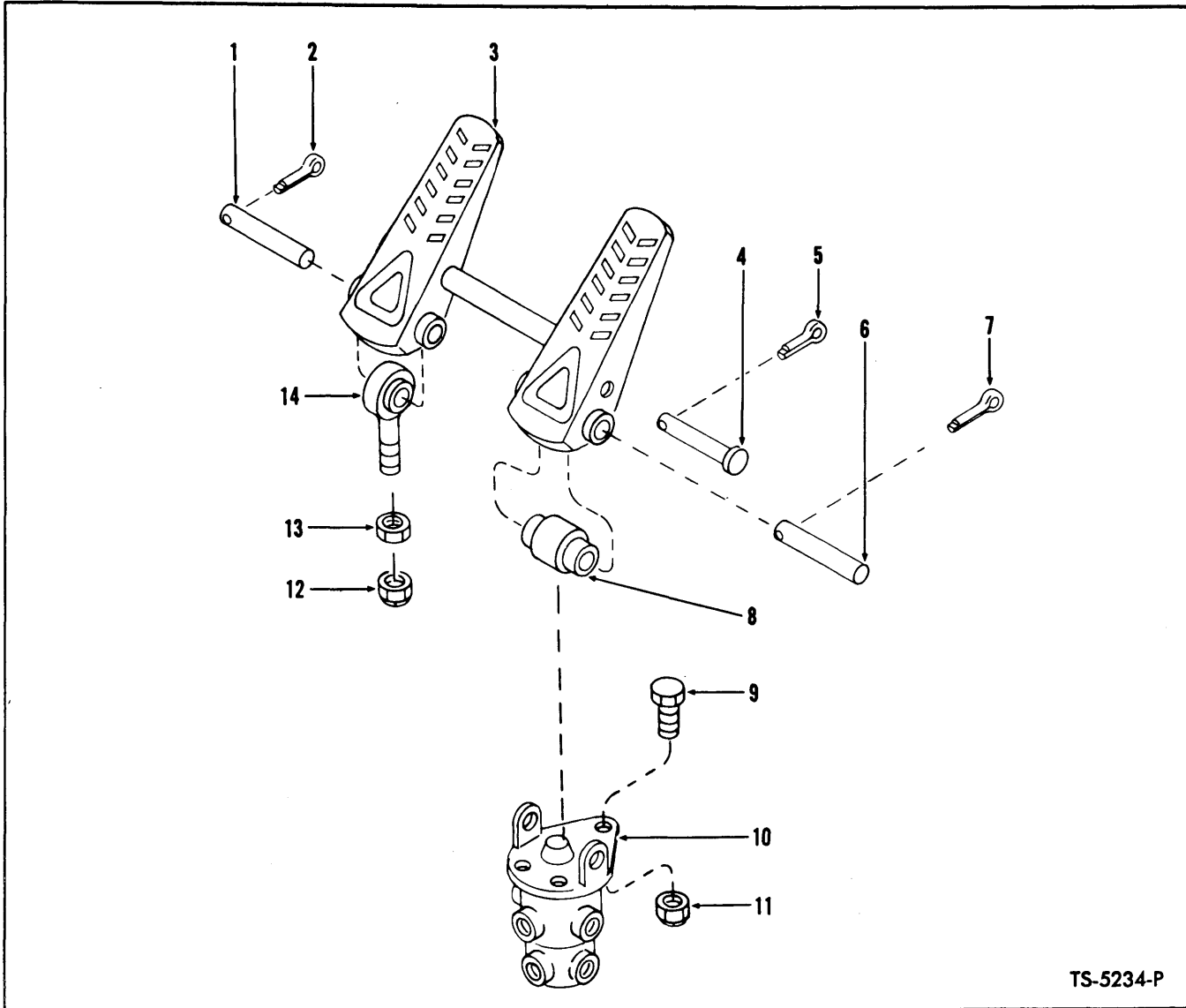
BRAKE AIR LINES — G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	COMPRESSOR — See Engine Manual	—	41	18C-510	BOLT, Q.R.V. Mtg.	2
2	951948	GASKET, Flange	1	41A	4E-05	LKWSHR, Q.R.V. Mtg.	2
3	510452	FLANGE, Discharge	1	42	42F-8	ELBOW, Tube to Bushing	1
4	17C-514	BOLT, Flange Mtg.	2	43	19F-6	BUSHING, Elbow to Q.R.V.	1
4A	4E-05	LKWSHR, Flange Mtg.	2	44	521439	*VALVE, Quick Release (B.W. #228691)	1
5	5K-409	NIPPLE, Tee to Flange	1	45	38F-9	CONNECTOR, Q.R.V.	1
6	18F-4	TEE, Compressor	1	46	26F-2	ELBOW, Air Chamber	1
7	25F-4	ELBOW, Hose to Tee	1	47	571697	HOSE, Q.R.V. to Air Chamber	1
8	19F-4	BUSHING, Reducing	1	48	-----	AIR CHAMBER — See Index	—
9	26F-1	ELBOW, Bushing to Hose	1	49	38F-9	CONNECTOR, Q.R.V.	1
10	516316	HOSE, Comp. to Tank	1	50	571697	HOSE, Q.R.V. to Air Chamber	1
11	593650	HOSE, Comp. to Gov.	1	51	-----	AIR CHAMBER — See Index	—
12	568476	RESERVOIR, Air	1	52	26F-2	ELBOW, Air Chamber	1
13	1534135	UNIT, Air Press. Sender	1	53	1525167	TUBE, Front Frame	1
13A	14D-10	†NUT, Sender Unit	1	54	571695	HOSE, Valve to Reservoir	1
13B	12E-10	†LKWSHR, Sender Unit	1	55	1525177	HOSE, Center Pivot	1
14	5K-410	NIPPLE, Res. to Tee	1	56	568581	TUBE, Res. to Valve	1
15	18F-4	TEE, Reservoir	1	57	568609	HOSE, Tube to Chamber	1
16	19F-5	BUSHING, Valve	1	58	38F-10	CONNECTOR, Tube	1
17	507815	VALVE, Safety	1	59	26F-2	ELBOW, Hose to Chamber	1
18	26F-4	ELBOW, Tee to Hose	1	60	21F-4	CROSS	1
19	1530284	STAND PIPE	1	61	636260	SWITCH, Pressure	1
20	44F-7	TEE, Hose to Tubes	1	62	19F-4	BUSHING, Switch	1
21	593370	VALVE, Single Check	1	63	521441	HOSE, Res. to Tube	1
22	568576	TUBE, Tee to Ft. Frame	1	64	568609	HOSE, Q.R.V. to Air Chamber	1
23	524497	HOSE, Res. to Tube	1	65	26F-2	ELBOW, Hose to Chamber	1
24	571694	HOSE, Cross to Tube	1	66	42F-8	ELBOW, Hose to Q.R.V.	1
25	-----	AIR CHAMBER — See Index	—	67	-----	AIR CHAMBER — See Index	—
26	527685	*BRACKET, Reservoir Mtg. (B.W. #205093)	2	68	521439	*VALVE, Quick Release (B.W. #228691)	1
27	18C-620	BOLT, Mtg. Bracket	4	68A	18C-510	†BOLT, Q.R.V. Mtg.	2
28	18D-06	NUT, Mtg. Bracket	4	68B	4E-05	†LKWSHR, Q.R.V. Mtg.	2
29	568582	TUBE, Comp. to Tank	1	69	42F-8	ELBOW, Tube to Q.R.V.	1
30	-----	DE-CLUTCH VALVE — See Index	—	70	19F-6	BUSHING, Connector	1
31	31F-1	ADAPTER, Valve to Hose	1	71	568580	TUBE, Rear Cross	1
32	540915	HOSE, Cross to Trans.	1	72	38F-9	CONNECTOR, Tube	1
33	19F-4	BUSHING, Cross to Hose	1	73	568740	TUBE, Tee to Q.R.V.	1
34	-----	BRAKE VALVE — See Index	—	74	72F-4	DRAIN COCK	1
35	26F-2	ELBOW, Valve to Hose	1	75	17C-548	BOLT, Gov. to Comp.	2
36	36F-4	ADAPTER, Valve	1	75A	4E-05	LKWSHR, Gov. to Comp.	2
37	13F-08	PLUG, Brake Valve	4	76	31F-1	ADAPTER, Gov. to Hose	1
38	1535735	ELBOW, Nipple to Tube	1	77	540306	*GOVERNOR (B.W. #275200)	1
39	13F-04	PLUG, Brake Valve	2	78	942646	GASKET, Gov. to Comp.	1
40	571693	TUBE, Tee to Valve	1				

†Not Illustrated

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

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



TS-5234-P

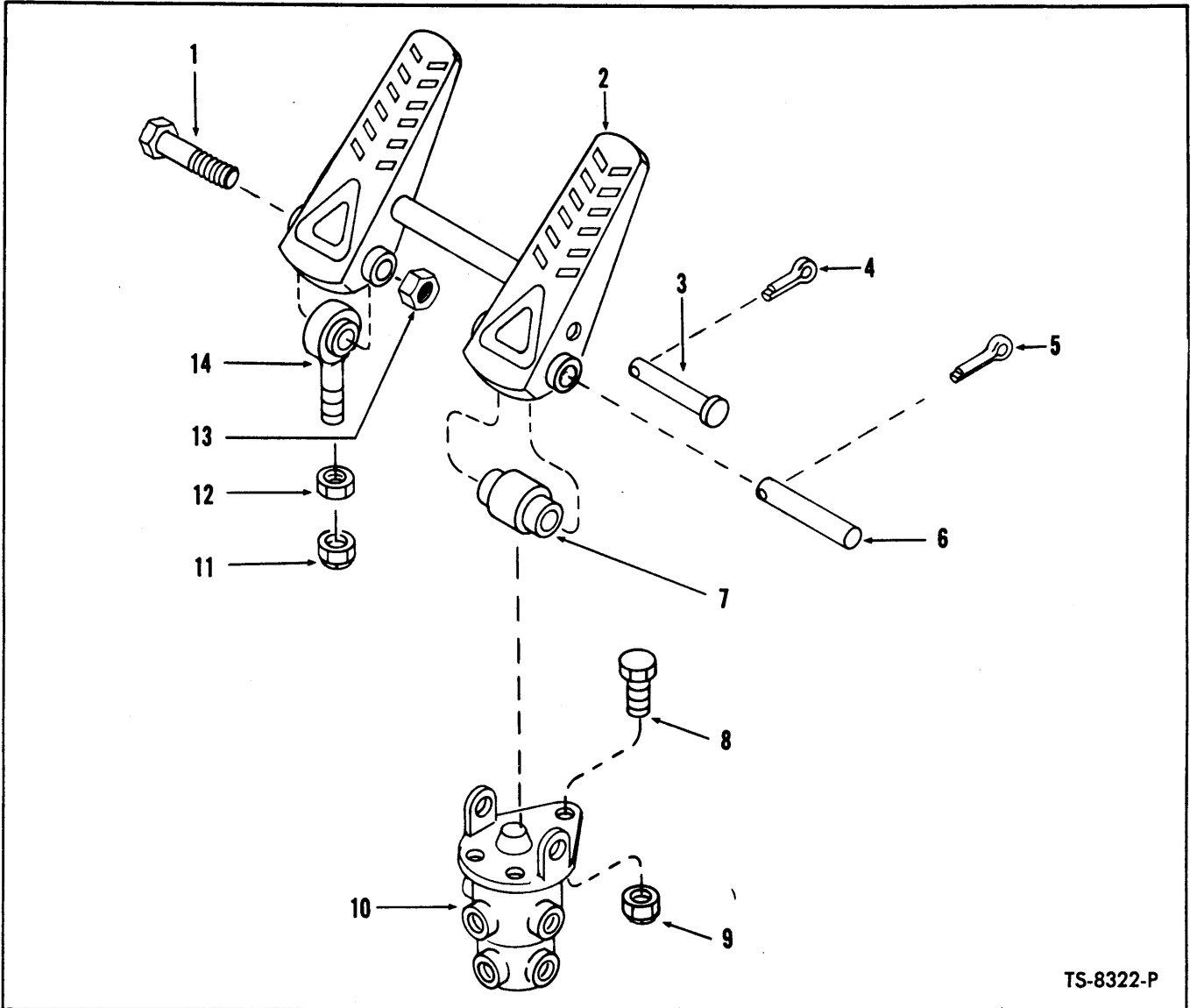
BRAKE VALVE AND CONTROLS — CUMMINS

For Serial: 7AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.
1	875767	PIN, Pedal to Eye	1
2	1F-320	COTTER, Pedal Pin	1
3	568659	PEDAL, Air Brake	1
4	875766	PIN, Pedal to Roller	1
5	1F-312	COTTER, Pedal Pin	1
6	875767	PIN, Pedal to Valve	1
7	1F-320	COTTER, Pedal Pin	1
8	518259	ROLLER, Pedal	1
9	18C-516	BOLT, Valve to Cockpit	3
10	945996	*VALVE, Air Brake — B.W. #277472	1
11	18D-05	NUT, Valve to Cockpit	3
12	66D-06	NUT, Eye Mounting	1
13	8D-06	NUT, Eye Jam	1
14	1525089	EYE, Pedal	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



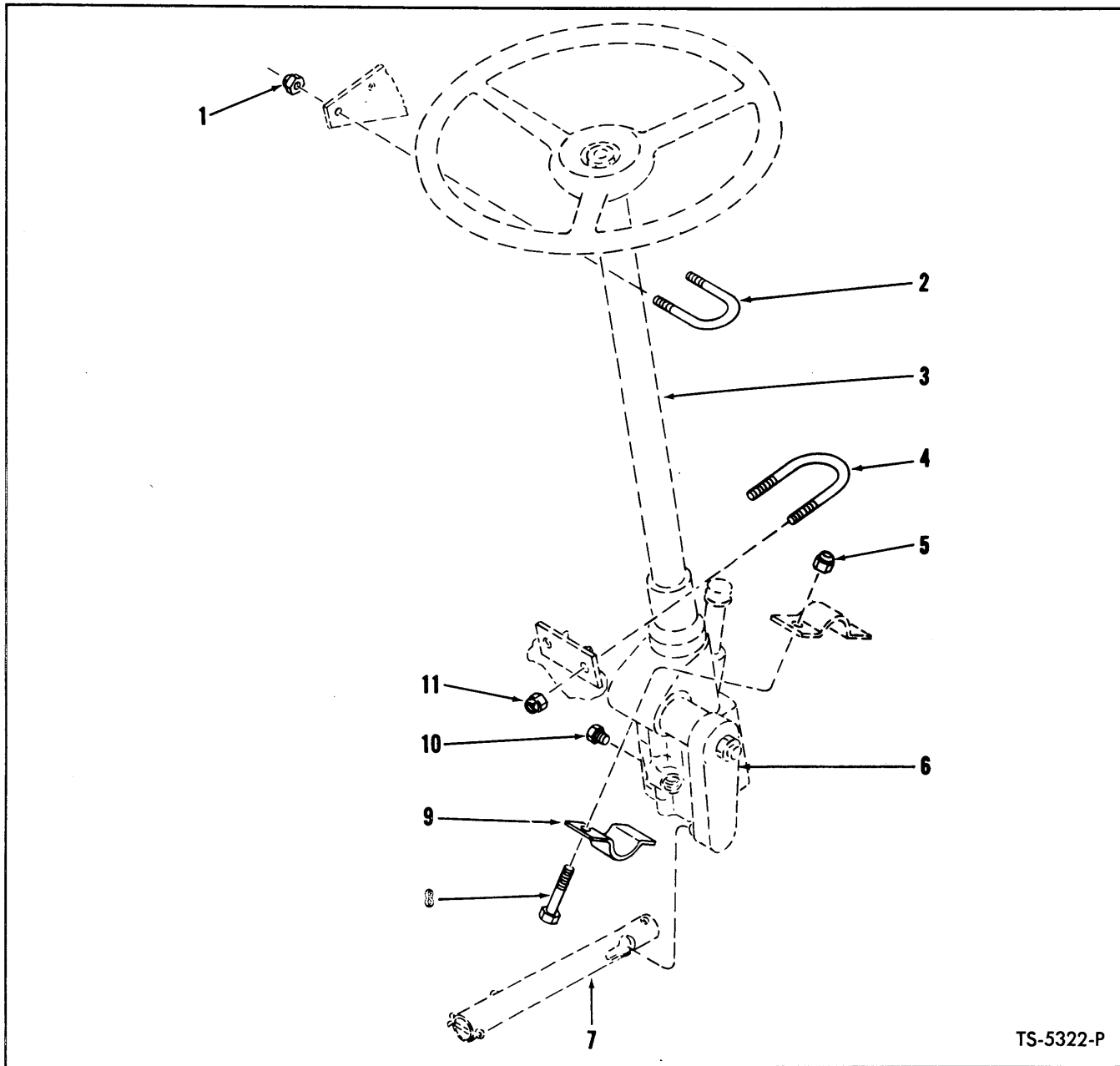
TS-8322-P

BRAKE VALVE AND CONTROLS
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

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

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

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

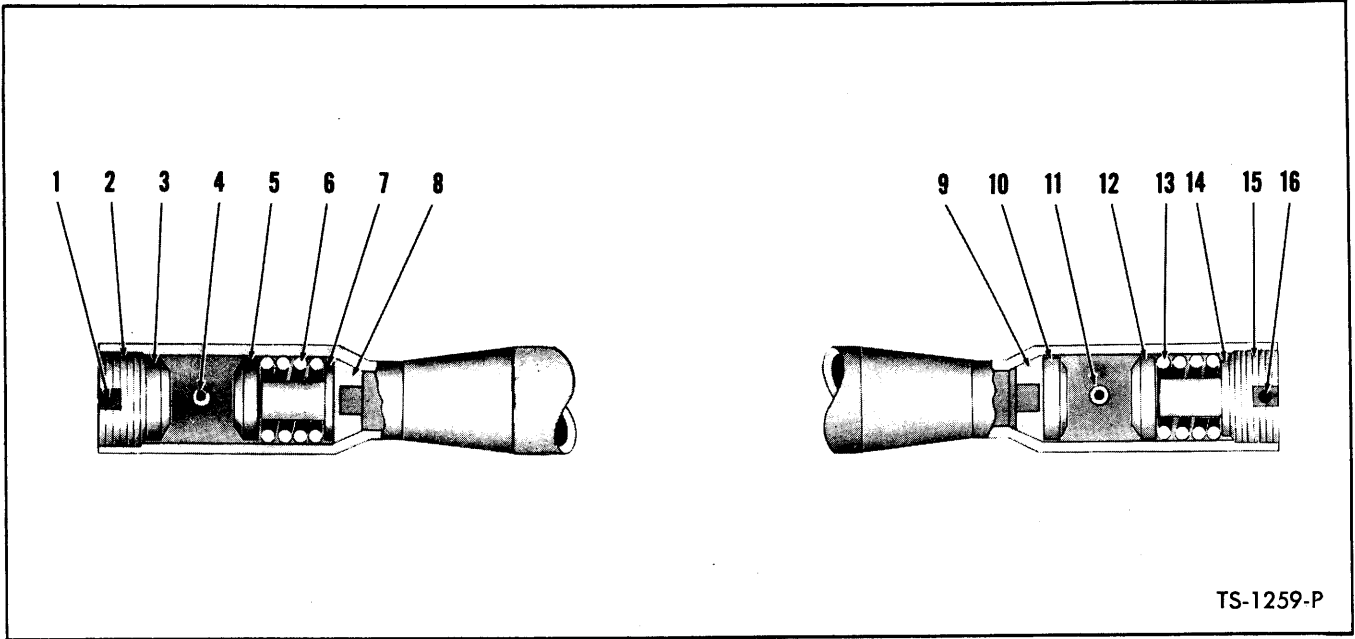


TS-5322-P

STEERING GEAR MOUNTING GROUP

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

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

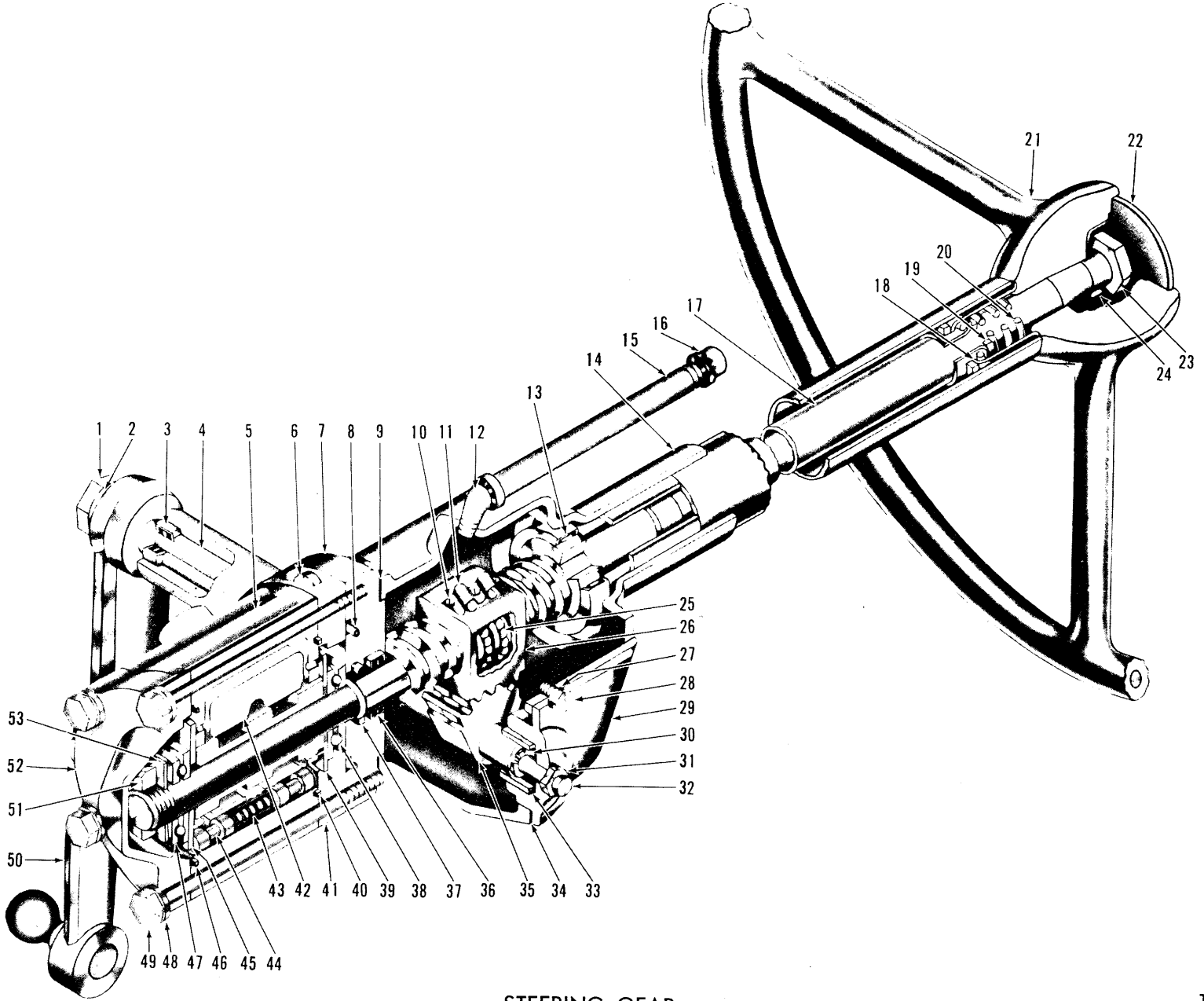


TS-1259-P

STEERING DRAG LINK

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

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



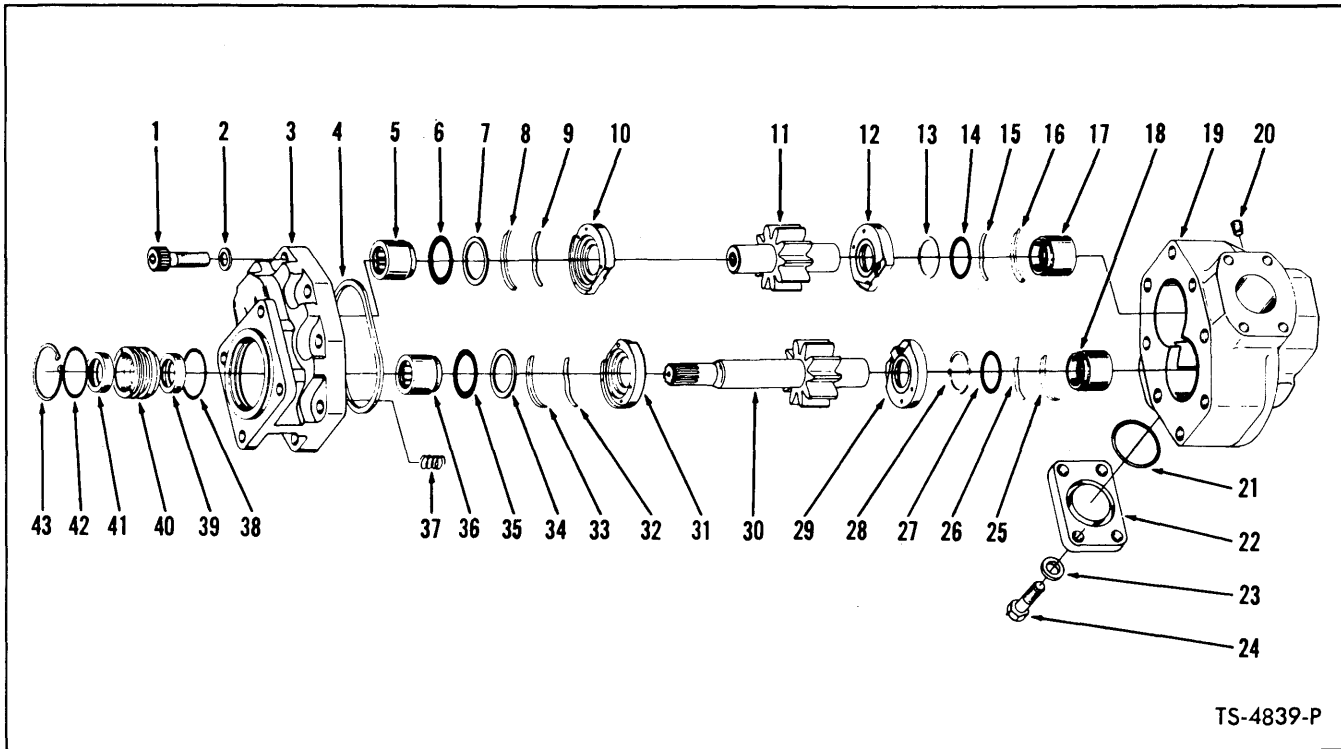
STEERING GEAR

TS-4787-P

STEERING GEAR ASSEMBLY

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A	566434	GEAR ASSY (Inc. 1 thru 11, 13 thru 20, 24 thru 49, 51, 52, 53)	1	25A	853526	†GUIDE, Ball Return	4
1	850756	NUT, Pitman Arm	1	26	853525	NUT, Ball	1
2	4E-18	LKWSHR, Pitman Arm	1	27	2E-06	LKWSHR, Side Cover	3
3	853391	SEAL, Pitman Shaft Grease	1	28	1C-612	BOLT, Side Cover	3
4	853357	BUSHING, Pitman Shaft	1	29	853182	COVER, Housing Side (Inc. 33)	1
5	945334	VALVE ASSY (Inc. 42, 43, 44)	1	30	853187	SHIM KIT, Lash Adjuster	1
6	73G-732	BOLT, Adapter to Housing	4	31	8D-07	NUT, Lash Adjuster	1
6A	4E-07	†LKWSHR, Adapter to Housing	4	32	851770	ADJUSTER, Lash	1
7	961260	*ADAPTER, Valve to Hsg. (Inc. 36, 37A)	1	33	-----	§BUSHING, Side Cover	—
8	58K-232	O-RING, Spacer to Adapter	1	34	851756	GASKET, Side Cover	1
9	853380	GASKET, Adapter to Housing	1	35	940111	GEAR, Pitman Shaft	1
10	851762	BOLT & WASHER ASSY, Clamp	3	36	861741	BEARING, Adapter	1
11	853527	CLAMP, Ball Return Guide	1	37	949972	O-RING, Adapter	1
12	25E-4	ELBOW, Filler	1	37A	873293	†SEAL	1
13	730143	BEARING, Needle	1	38	860997	BEARING, Worm Thrust	1
14	946138	HOUSING ASSY (Inc. 4, 13)	1	39	943438	WASHER, Worm Thrust	1
15	5K-432	NIPPLE, Filler	1	40	58K-237	O-RING, Valve to Spacer	1
16	22F-4	CAP, Filler	1	41	943440	SPACER, Valve	1
17	946139	SHAFT ASSY (Inc. 10, 11, 25, 25A, 16)	1	42	-----	§SPOOL, Valve — See Item 5	—
18	857729	BEARING ASSY, Upper	1	43	943437	SPRING, Valve	4
19	861768	WASHER, Upper Bearing	1	44	943436	PLUNGER, Valve	8
20	853395	SPRING, Upper Bearing	1	45	943438	WASHER, Bearing Thrust	1
21	1508704	WHEEL, Steering	1	46	58K-237	O-RING, Valve to Spacer	1
22	548074	PLATE, Operating Precaution	1	47	860997	BEARING, Worm Thrust	1
22A	63G-406	†SCREW, Plate Attaching	4	48	3E-08	LKWSHR, End Cover	6
23	648304	NUT, Steering Wheel	1	49	1C-888	BOLT, End Cover	6
24	853384	KEY, Steering Wheel	1	50	566433	ARM, Pitman	1
25	10J-09	BALL	106	51	873250	NUT, Worm Bearing Lock	1
				52	943439	COVER, Valve End	1
				53	943429	SPRING, Valve Spool Preload	1

†Not Illustrated Not Sold Separately
 *NOTE: For replacement see Service Gram S.G.-551.



TS-4839-P

HYDRAULIC PUMP — STEERING — CUMMINS
For Serial: 7AFC101 thru 8AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450183	PUMP ASSY (Inc. 1 thru 43)	1	20	16F-02	PLUG, Body	1
B	498208	*REPAIR KIT, Minor (Inc. 1, 2, 4, 6, 7, 13, 14, 27, 28, 34, 35, 37, 38, 42)	1	21	58K-225	"O"RING, Outlet Adapter	1
C	498189	REPAIR KIT, Thrust Plate (Inc. 8, 9, 10, 12, 15, 16, 25, 26, 29, 31, 32, 33)	1	22	455672	COVER PLATE, Outlet	1
D	498115	REPAIR KIT, Shaft Seal (Inc. 38 thru 43)	1	23	619026	WASHER, Adapter	4
E	498209	GEAR KIT (Inc. 11, 30)	1	24	1C-820	BOLT, Adapter	4
F	498219	REPAIR KIT, Bearing (Inc. 5, 17, 18, 36)	1	25	---	§RING, Mask-Off	1
1	---	§BOLT, Cover to Body	8	26	---	§SPRING, Wave	1
2	---	§WASHER, Cover to Body	8	27	---	§"O" RING, Body Thrust Plate	1
3	---	**COVER, Pump — See Item "A"	1	28	---	§RING, "O" Ring Back-Up	1
4	---	§GASKET, Cover	1	29	---	§THRUST PLATE, Body	1
5	---	§BEARING, Cover	1	30	---	§GEAR, Drive	1
6	---	§"O" RING, Cover Thrust Plate	1	31	---	§THRUST PLATE, Cover	1
7	---	§RING, "O" Ring Back-Up	1	32	---	§SPRING, Wave	1
8	---	§RING, Mask-Off	1	33	---	§RING, Mask-Off	1
9	---	§SPRING, Wave	1	34	---	§RING, "O" Ring Back-Up	1
10	---	§THRUST PLATE, Cover	1	35	---	§"O" RING, Cover Thrust Plate	1
11	---	§GEAR, Driven	1	36	---	§BEARING, Cover	1
12	---	§THRUST PLATE, Body	1	37	---	§SPRING, Cover Thrust Plate	3
13	---	§RING, "O" Ring Back-Up	1	38	---	§"O" RING, Oil Seal Retainer	1
14	---	§"O" RING, Body Thrust Plate	1	39	---	§SEAL, Inner Shaft Oil	1
15	---	§SPRING, Wave	1	40	---	§RETAINER, Shaft Seal	1
16	---	§RING, Mask-Off	1	41	---	§SEAL, Outer Shaft Oil	1
17	---	§BEARING, Body	1	42	---	§"O" RING, Oil Seal Retainer	1
18	---	§BEARING, Body	1	43	---	§RING, Seal Retainer Retaining	1
19	---	**§BODY, Pump — See Item "A"	1	44	552161	†GASKET, Pump to Converter	1
				45	219413	†SLEEVE, Pump Driven	1
				46	571511	†STUD, Pump to Converter	4
				47	62D-08	†NUT, Pump to Converter	4
				48	4E-08	†LKWSHR, Pump to Converter	4

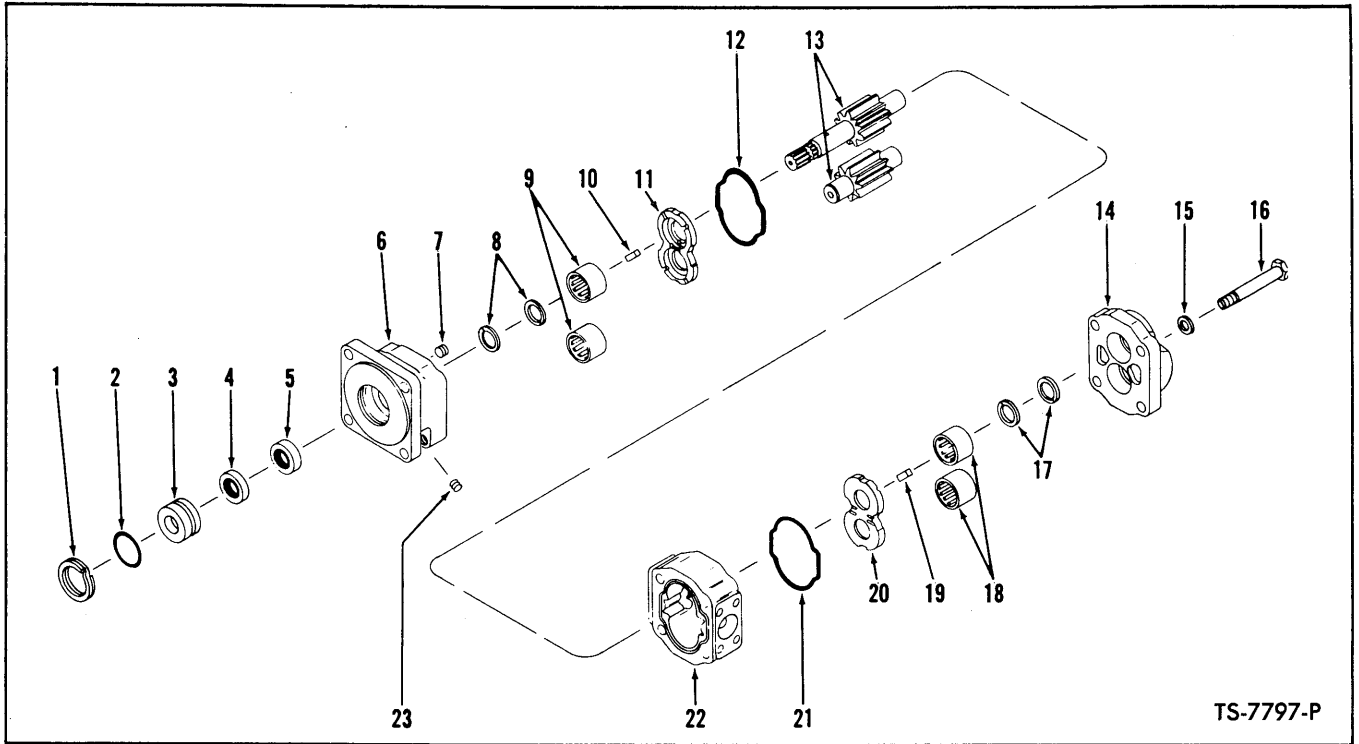
*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

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

§Not Sold Separately — Order Kits.

†Not Illustrated

WHEN ORDERING REPLACEMENT PUMP, ALWAYS REFER TO PUMP REPLACEMENT CHART



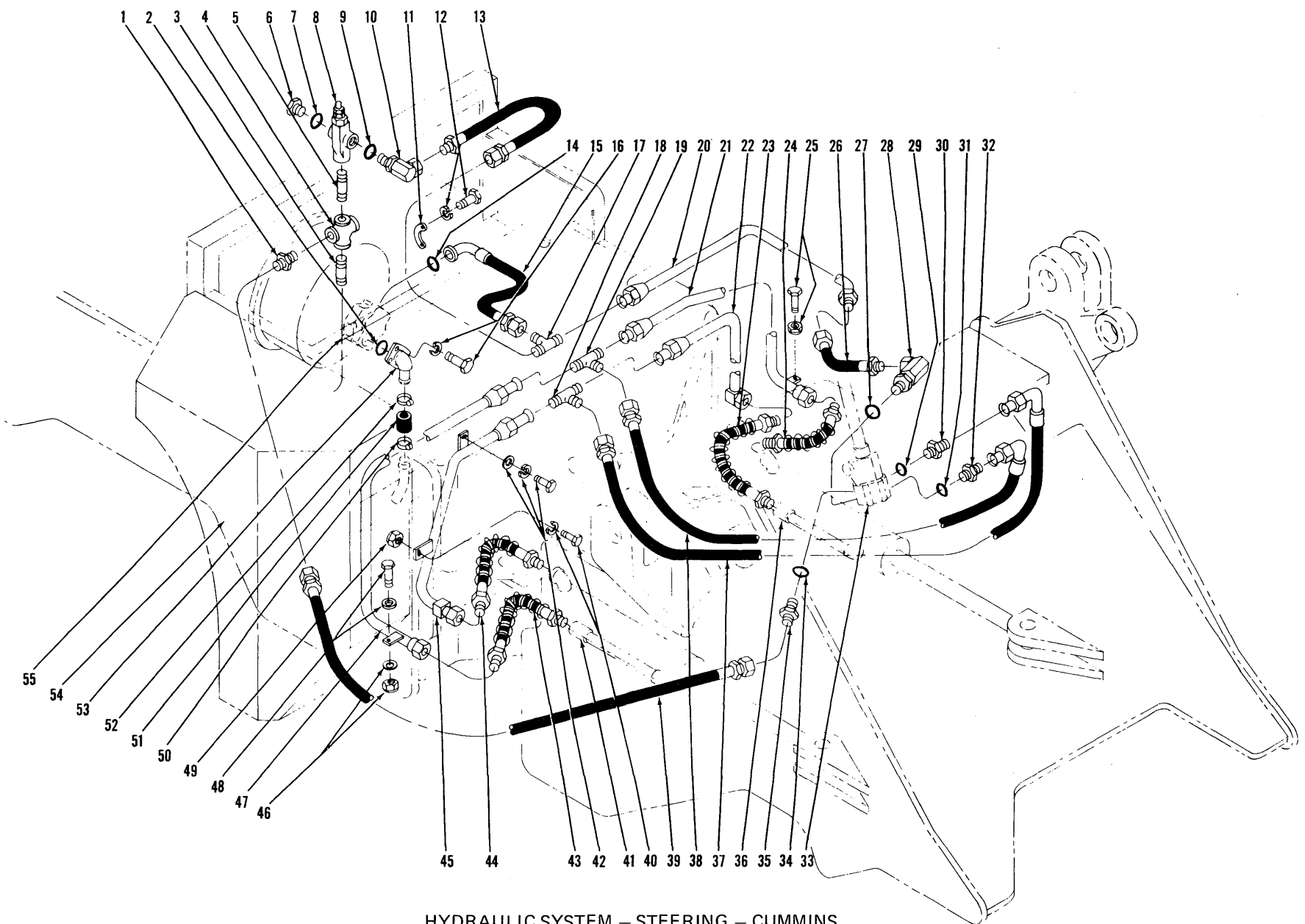
TS-7797-P

HYDRAULIC PUMP — STEERING
For Serial: Cummins — 9AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1520839	PUMP ASSY (Inc. 1 thru 23)	1	12	—	§SEAL, Housing — See "D"	—
B	946628	SHAFT SEAL KIT (Inc. 1 thru 5)	1	13	—	§GEARS, Drive & Driven — See "C"	—
C	946629	GEAR KIT (Inc. 13)	1	14	946635	COVER, Port End	1
D	946630	THRUST PLATE KIT (Inc. 1 thru 5, 10, 11, 12, 19, 20, 21)	1	15	946401	WASHER, Cover Mounting	4
E	946631	BEARING KIT (Inc. 1 thru 5, 8 thru 12, 17 thru 21)	1	16	1C-1084	BOLT, Cover Mounting	4
1	858137	RING, Seal Retaining	1	17	—	§SEAL RING — See "E"	—
2	25K-40216	"O" RING, Seal Retainer	1	18	—	§BEARING, Roller — See "E"	—
3	—	§RETAINER, Seal — See "B"	—	19	—	§SEAL, Pocket — See "D" (Cut from Strip in Kit)	—
4	946632	SEAL, Outer Shaft	1	20	—	§PLATE, Thrust — See "D"	—
5	946632	SEAL, Inner Shaft	1	21	—	§SEAL, Housing — See "D"	—
6	946633	COVER, Shaft End	1	22	946634	HOUSING, Gear	1
7	33G-706	SCREW, Set	1	23	—	§PLUG, Shipping only	—
8	—	§SEAL RING — See "E"	—	24	552161	†GASKET, Pump Mounting	1
9	—	§BEARING, Roller — See "E"	—	25	219413	†SLEEVE, Pump Drive	1
10	—	§SEAL, Pocket — See "D" (Cut from Strip in Kit)	—	26	571511	†STUD, Pump Mounting	4
11	—	§PLATE, Thrust — See "D"	—	27	4E-08	†LKWSHR, Pump Mounting	4
				28	62D-08	†NUT, Pump Mounting	4

§Not Sold Separately — Order Kits
 †Not Illustrated

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



HYDRAULIC SYSTEM – STEERING – CUMMINS
For Serial: 7AFC101 thru 8AFC999

TS-6342-P

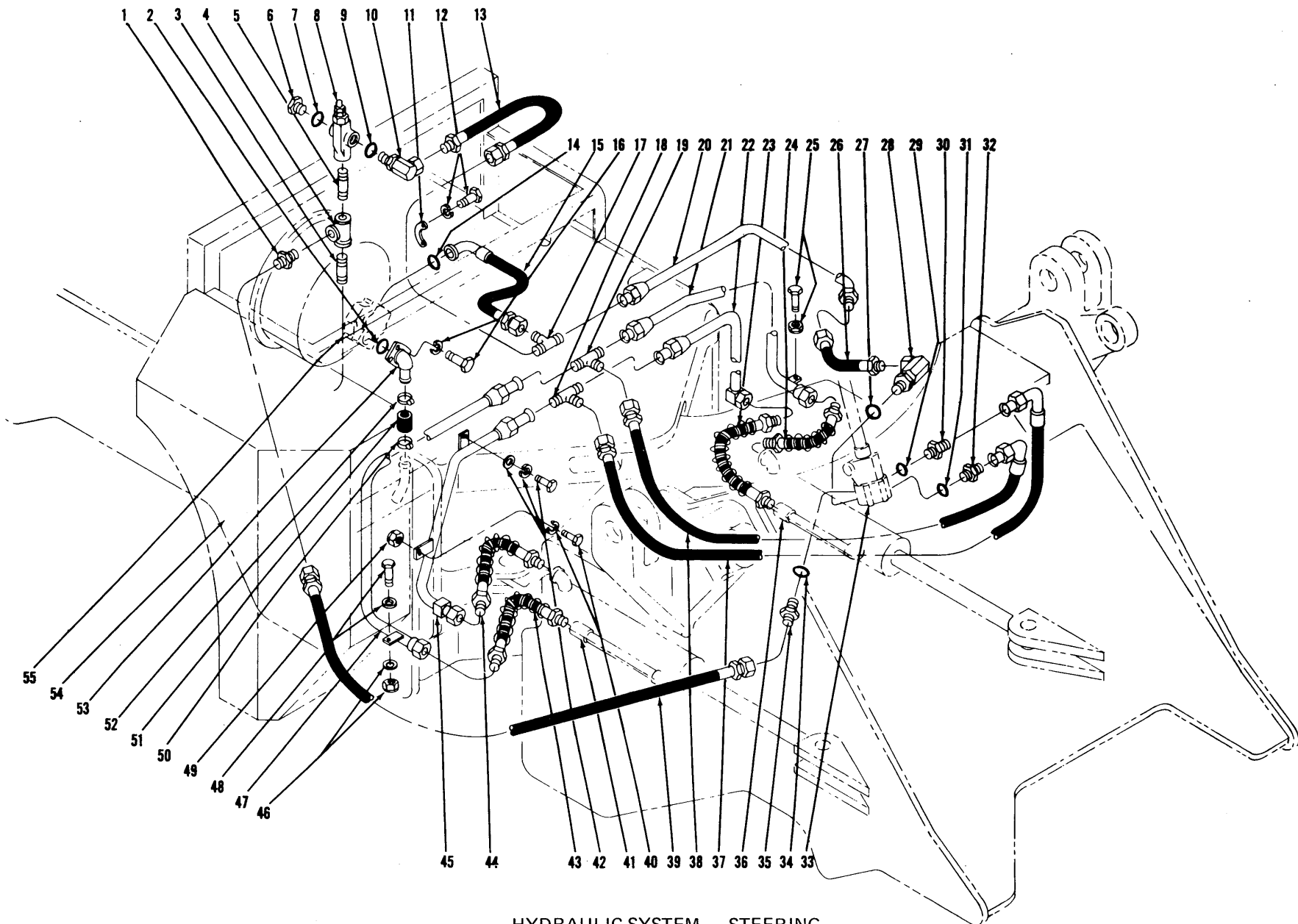
HYDRAULIC SYSTEM — STEERING — CUMMINS

For Serial: 7AFC101 thru 8AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	89F-8	ADAPTER, Line to Relief Valve Cross	1	27	91F-7	"O" RING, Adapter	1
2	58K-228	"O" RING, Suction Stem Flange	1	28	531684	ADAPTER, Steering Valve to Hose (Inc. 7)	1
3	5K-622	NIPPLE, Relief Valve Cross to Reservoir	1	29	91F-6	"O" RING, Connector	1
4	21F-5	CROSS, Relief Valve	1	30	731793	CONNECTOR, Hose to Relief Valve (Inc. 29)	1
5	5K-611	NIPPLE, Relief Valve to Cross	1	31	91F-6	"O" RING, Connector	1
6	24K-7	PLUG, Relief Valve (Inc. 7)	1	32	731793	CONNECTOR, Hose to Relief Valve (Inc. 31)	1
7	91F-7	"O" RING, Relief Valve Plug	1	33	-----	STEERING GEAR — See Index	—
8	-----	RELIEF VALVE — See Index	—	34	91F-7	"O" RING, Connector	1
9	91F-7	"O" RING, Adapter	1	35	573576	CONNECTOR, Hose to Steering Valve (Inc. 34)	1
10	531684	ADAPTER, Hose to Relief Valve (Inc. 9)	1	36	-----	STEERING CYLINDER — See Index	—
11	19J16	FLANGE HALF, Hose to Pump	2	37	571549	HOSE, Tee to Steering Valve	1
12	17C-620	BOLT, Flange Half to Pump	4	38	571549	HOSE, Tee to Steering Valve	1
12A	4E-06	LKWSHR, Flange Half to Pump	4	39	568371	HOSE, Relief Valve to Steering Valve	1
13	568372	HOSE, Relief Valve Adapter to Tee	1	40	18C-620	BOLT, Tube to Frame	1
14	58K-219	"O" RING, Flange Half	1	40A	656672	WASHER, Tube to Frame	1
15	544547	HOSE, Steering Pump to Tee	1	41	-----	STEERING CYLINDER — See Index	—
16	17C-824PR	BOLT, Suction Flange to Pump	4	42	18C-620	BOLT, Tube to Frame	2
16A	4E-08	LKWSHR, Suction Flange to Pump	4	42A	4E-06	LKWSHR, Tube to Frame	2
17	10K-10	TEE, Union — Pump to Relief Valve & Steering Valve	1	42B	656672	WASHER, Tube to Frame	2
18	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	43	569086	HOSE, Tube to Cylinder — Rod End	1
19	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	44	569086	HOSE, Tube to Cylinder — Base End	1
20	568339	TUBE, Steering	1	45	1523955	TUBE, Steering Upper — R. H.	1
20A	18C-620	†BOLT, Tube Mounting	2	46	18D-06	NUT, Tube to Frame	2
20B	4E-06	†LKWSHR, Tube Mounting	2	46A	656672	WASHER, Tube to Frame	2
20C	656672	†WASHER, Tube Mounting	2	47	1523950	TUBE, Steering Lower — R. H.	1
21	1523953	TUBE, Steering Lower — L. H.	1	48	18C-624	BOLT, Tube to Frame	2
21A	18C-620	BOLT, Tube to Frame	2	48A	656672	WASHER, Tube to Frame	2
21B	4E-06	LKWSHR, Tube to Frame	2	49	18D-06	NUT, Tube to Frame	1
21C	656672	WASHER, Tube to Frame	2	50	540108	CLAMP, Hose to Suction Tube	1
22	1523951	TUBE, Steering Upper — L. H.	1	51	541181	HOSE, Suction Stem to Suction Tube	1
23	569086	HOSE, Tube to Cylinder	1	52	540108	CLAMP, Hose to Suction Stem	1
24	569086	HOSE, Tube to Cylinder, Base End	1	53	568282	STEM, Suction	1
25	18C-620	BOLT, Tube to Frame	1	54	-----	HYDRAULIC OIL RESERVOIR — See Index	—
25A	18D-06	NUT, Tube to Frame	1	55	-----	STEERING PUMP — See Index	—
26	568372	HOSE, Steering Valve Adapter to Tube	1				

†Not Illustrated

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



HYDRAULIC SYSTEM – STEERING

For Serial: Cummins – 9AFC101 thru 11AFC999. G.M. – 11AFG101 thru 11AFG999

TS-7879-P



**CONSTRUCTION MACHINERY DIVISION
HYDRAULIC SYSTEM — STEERING**

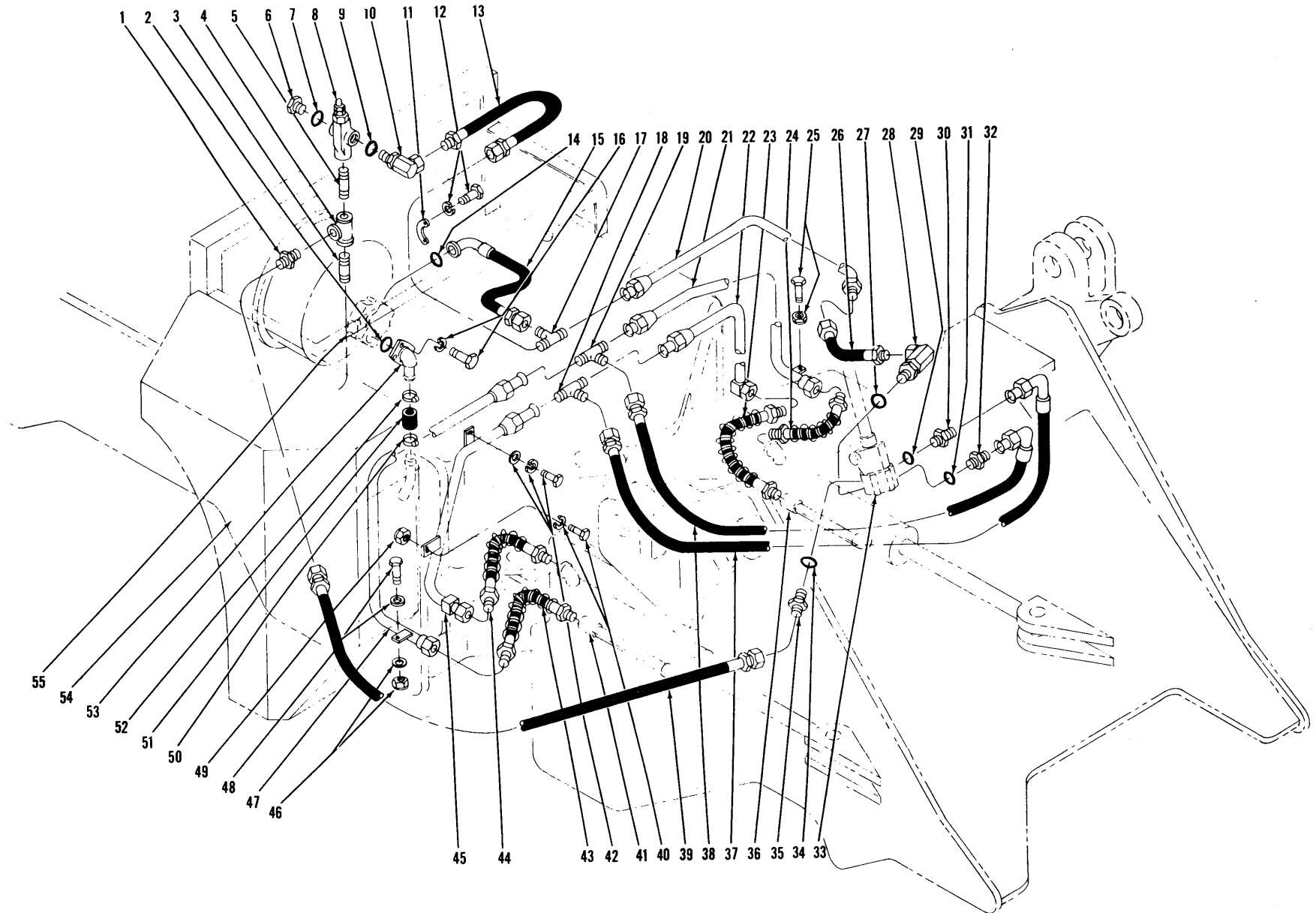


**For Serial: Cummins — 9AFC101 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	89F-8	ADAPTER, Line to Relief Valve Cross ..	1	27	91F-7	"O" RING, Adapter	1
2	58K-225	"O" RING, Suction Stem Flange	1	28	531684	ADAPTER, Steering Valve to Hose (Inc. 27)	1
3	5K-624	NIPPLE, Relief Valve Cross to Reservoir	1	29	91F-6	"O" RING, Connector	1
4	18F-5	TEE, Relief Valve	1	30	731793	CONNECTOR, Hose to Relief Valve (Inc. 29)	1
5	5K-611	NIPPLE, Relief Valve to Cross	1	31	91F-6	"O" RING, Connector	1
6	24K-7	PLUG, Relief Valve (Inc. 7)	1	32	731793	CONNECTOR, Hose to Relief Valve (Inc. 31)	1
7	91F-7	"O" RING, Relief Valve Plug	1	33	-----	STEERING GEAR — See Index	—
8	-----	RELIEF VALVE — See Index	—	34	91F-7	"O" RING, Connector	1
9	91F-7	"O" RING, Adapter	1	35	573576	CONNECTOR, Hose to Steering Valve (Inc. 34)	1
10	531684	ADAPTER, Hose to Relief Valve (Inc. 9)	1	36	-----	STEERING CYLINDER — See Index	—
11	19J20	FLANGE HALF, Hose to Pump	2	37	571549	HOSE, Tee to Steering Valve	1
12	17C-724	BOLT, Flange Half to Pump	4	38	571549	HOSE, Tee to Steering Valve	1
12A	4E-07	LKWSHR, Flange Half to Pump	4	39	568371	HOSE, Relief Valve to Steering Valve	1
13	568372	HOSE, Relief Valve Adapter to Tee	1	40	18C-620	BOLT, Tube to Frame	1
14	58K-222	"O" RING, Flange Half	1	40A	656672	WASHER, Tube to Frame	1
15	1520939	HOSE, Steering Pump to Tee	1	41	-----	STEERING CYLINDER — See Index	—
16	17C-822	BOLT, Suction Flange to Pump	4	42	18C-620	BOLT, Tube to Frame	2
16A	4E-08	LKWSHR, Suction Flange to Pump	4	42A	4E-06	LKWSHR, Tube to Frame	2
17	10K-10	TEE, Union — Pump to Relief Valve & Steering Valve	1	42B	656672	WASHER, Tube to Frame	2
18	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	43	569086	HOSE, Tube to Cylinder — Rod End	1
19	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	44	569086	HOSE, Tube to Cylinder — Base End ..	1
20	568339	TUBE, Steering	1	45	1523955	TUBE, Steering Upper — R.H.	1
20A	18C-620	†BOLT, Tube Mounting	2	46	18D-06	NUT, Tube to Frame	2
20B	4E-06	†LKWSHR, Tube Mounting	2	46A	656672	WASHER, Tube to Frame	2
20C	656672	†WASHER, Tube Mounting	2	47	1523950	TUBE, Steering Lower — R.H.	1
21	1523953	TUBE, Steering Lower — L.H.	1	48	18C-624	BOLT, Tube to Frame	2
21A	18C-620	BOLT, Tube to Frame	2	48A	656672	WASHER, Tube to Frame	2
21B	4E-06	LKWSHR, Tube to Frame	2	49	18D-06	NUT, Tube to Frame	1
21C	656672	WASHER, Tube to Frame	2	50	540130	CLAMP, Hose to Suction Tube	1
22	1523951	TUBE, Steering Upper — L.H.	1	51	569441	HOSE, Suction Stem to Suction Tube	1
23	569086	HOSE, Tube to Cylinder	1	52	540130	CLAMP, Hose to Suction Stem	1
24	569086	HOSE, Tube to Cylinder, Base End	1	53	1520938	STEM, Suction	1
25	18C-620	BOLT, Tube to Frame	1	54	-----	HYDRAULIC OIL RESERVOIR — See Index	—
25A	18D-06	NUT, Tube to Frame	1	55	-----	STEERING PUMP — See Index	—
26	568372	HOSE, Steering Valve Adapter to Tube	1				

†Not Illustrated

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



HYDRAULIC SYSTEM — STEERING — CUMMINS
For Serial: 12AFC101 thru 12AFC999

TS-7879-P

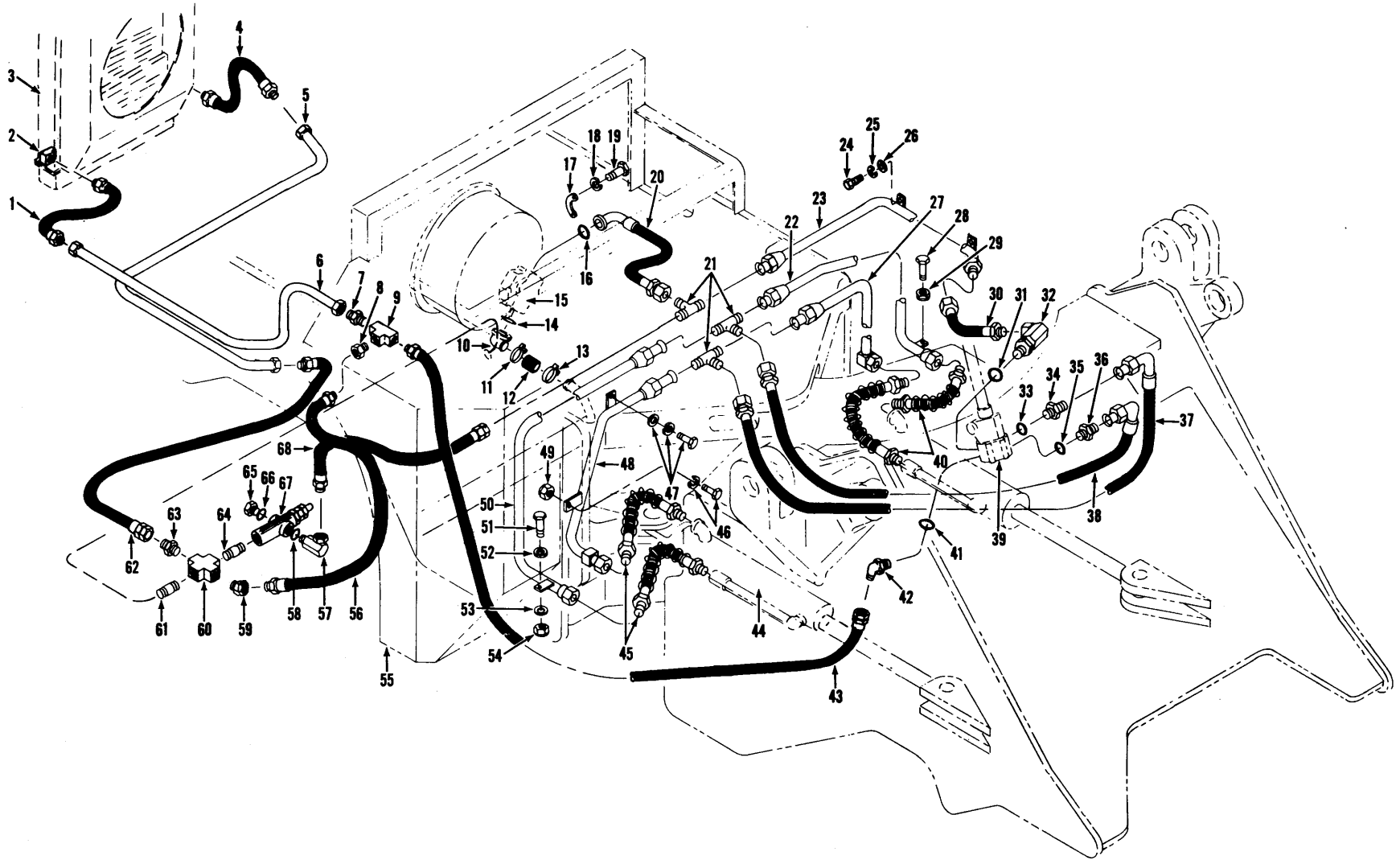
HYDRAULIC SYSTEM — STEERING — CUMMINS

For Serial: 12AFC101 thru 12AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	89F-8	ADAPTER, Line to Tee	1	28	531684	ADAPTER, Steering Valve to Hose (Inc. 27)	1
2	58K-225	O-RING, Suction Stem	1	29	91F-6	O-RING, Connector	1
3	5K-624	NIPPLE, Tee to Reservoir	1	30	731793	CONNECTOR, Hose to Relief Valve (Inc. 29)	1
4	18F-5	TEE, Relief Valve	1	31	91F-6	O-RING, Connector	1
5	5K-611	NIPPLE, Valve to Tee	1	32	731793	CONNECTOR, Hose to Relief Valve (Inc. 31)	1
6	24K-7	PLUG, Relief Valve (Inc. 7)	1	33	-----	STEERING GEAR — See Index	—
7	91F-7	O-RING, Plug	1	34	91F-7	O-RING, Connector	1
8	-----	RELIEF VALVE — See Index ..	—	35	573576	CONNECTOR, Hose to Steering Valve (Inc. 34)	1
9	91F-7	O-RING, Adapter	1	36	-----	STEERING CYLINDER — See Index	—
10	531684	ADAPTER, Hose to Valve (Inc. 9)	1	37	571549	HOSE, Tee to Valve	1
11	19J20	FLANGE HALF, Hose to Pump	2	38	571549	HOSE, Tee to Valve	1
12	23C-724	BOLT, Flange to Pump	4	39	568371	HOSE, Relief Valve to Steering Valve	1
12A	4E-07	LKWSHR, Flange to Pump	4	40	24C-620	BOLT, Tube to Frame	1
13	568372	HOSE, Valve to Tee	1	40A	656672	WASHER, Tube to Frame	1
14	58K-222	O-RING, Flange Half	1	41	-----	STEERING CYLINDER — See Index	—
15	1533256	HOSE, Pump to Tee	1	42	24C-620	BOLT, Tube to Frame	2
16	23C-824	BOLT, Stem to Pump	4	42A	4E-06	LKWSHR, Tube to Frame	2
16A	4E-08	LKWSHR, Stem to Pump	4	42B	656672	WASHER, Tube to Frame	2
17	10K-10	TEE, Union — Pump to Relief Valve & Steering Valve	1	43	569086	HOSE, Tube to Cylinder	1
18	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	44	569086	HOSE, Tube to Cylinder	1
19	10K-10	TEE, Union — Steering Valve to Cross Tubes	1	45	1523955	TUBE, Steering Upper — R.H.	1
20	568339	TUBE, Steering	1	46	18D-06	NUT, Tube to Frame	2
20A	24C-620	†BOLT, Tube Mounting	2	46A	656672	WASHER, Tube to Frame	2
20B	4E-06	†LKWSHR, Tube Mounting	2	47	1523950	TUBE, Steering Lower — R.H.	1
20C	656672	†WASHER, Tube Mounting	2	48	24C-624	BOLT, Tube to Frame	2
21	1523953	TUBE, Steering Lower — L.H. ...	1	48A	656672	WASHER, Tube to Frame	2
21A	24C-620	BOLT, Tube to Frame	2	49	18D-06	NUT, Tube to Frame	1
21B	4E-06	LKWSHR, Tube to Frame	2	50	540130	CLAMP, Hose to Tube	1
21C	656672	WASHER, Tube to Frame	2	51	569441	HOSE, Stem to Tube	1
22	1523951	TUBE, Steering Upper — L.H.	1	52	540130	CLAMP, Hose to Stem	1
23	569086	HOSE, Tube to Cylinder	1	53	1533259	STEM, Suction	1
24	569086	HOSE, Tube to Cylinder	1	54	-----	HYDRAULIC OIL RESERVOIR See Index	—
25	24C-620	BOLT, Tube to Frame	1	55	-----	STEERING PUMP — See Index	—
25A	18D-06	NUT, Tube to Frame	1				
26	568372	HOSE, Adapter to Tube	1				
27	91F-7	O-RING, Adapter	1				

†Not Illustrated

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



HYDRAULIC SYSTEM – STEERING

For Serial: Cummins – 13AFC101 & after. G.M. 12AFG101 & after

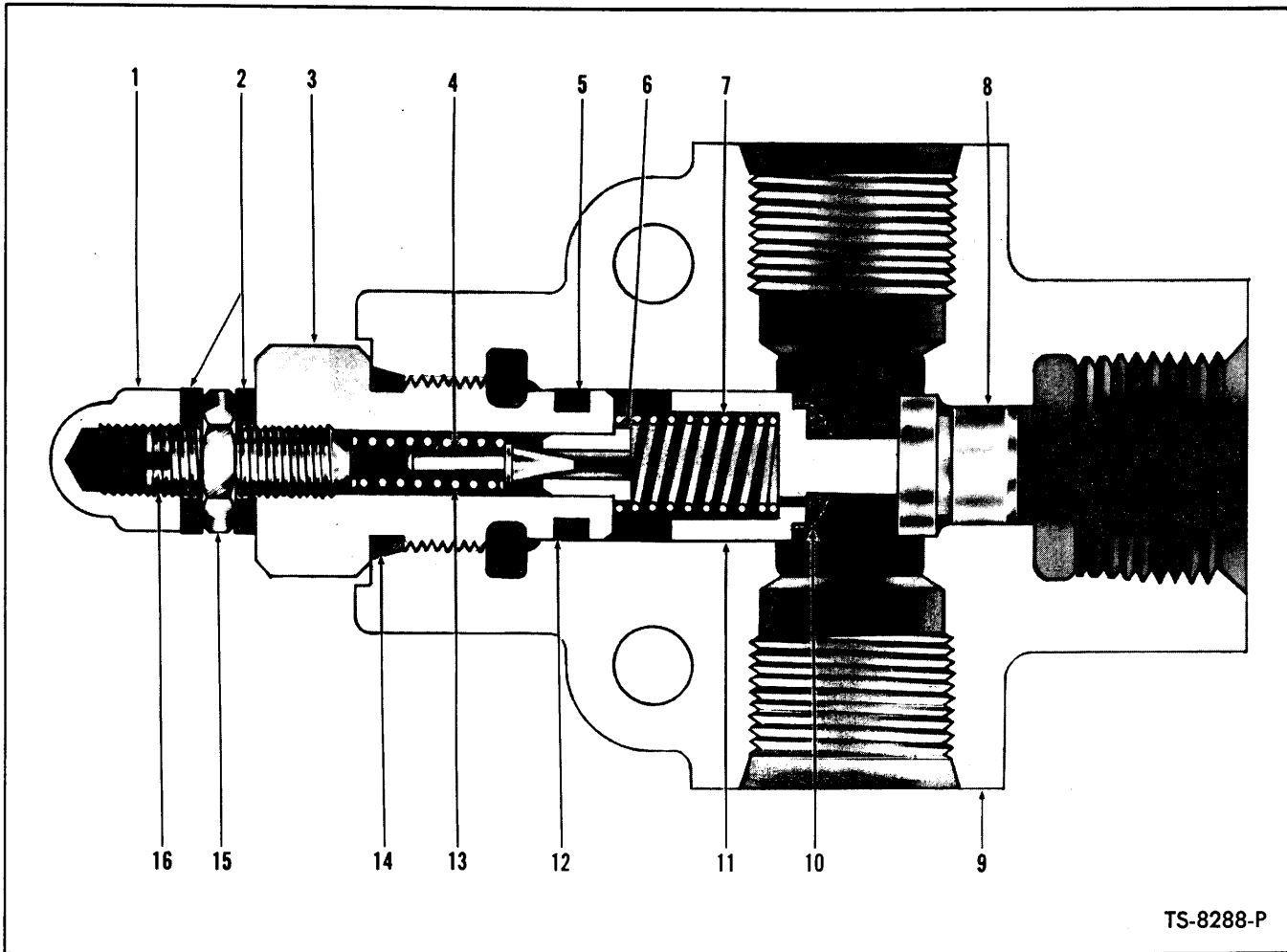
TS-9157-P

HYDRAULIC SYSTEM — STEERING
For Serial: G.M. — 12AFG101 thru 12AFG999
CUMMINS — 13AFC101 thru 13AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1504099	HOSE, Tube to Radiator	1	35	91F-6	O-RING, Connector	1
2	29F-5	ELBOW, Radiator	2	36	731793	CONNECTOR, Hose to Gear (Inc. 35)	1
3	-----	RADIATOR— See Index	—	37	571549	HOSE, Tee to Gear	1
4	1504096	HOSE, Tube to Radiator	1	38	571549	HOSE, Tee to Gear	1
5	1504102	TUBE, Radiator to Reservoir ..	1	39	-----	STEERING GEAR— See Index ..	—
6	1503914	TUBE, Hose to Tee	1	40	569086	HOSE, Tube to Cylinder	2
7	89F-10	CONNECTOR, Tube to Tee	1	41	91F-7	O-RING, Connector	1
8	356621	BUSHING, Hose to Tee	1	42	573576	CONNECTOR, Hose to Gear (Inc. 41)	1
9	28K-216	TEE	1	43	1509471	HOSE, Tube to Gear	1
10	1533259	STEM, Suction	1	44	-----	STEERING CYLINDER — See Index	—
10A	23C-822	†BOLT, Stem	4	45	569086	HOSE, Tube to Cylinder	2
10B	4E-08	†LKWSHR, Stem	4	46	24C-620	BOLT, Tube to Frame	1
11	540130	CLAMP, Hose	1	46A	656672	WASHER, Tube to Frame	1
12	569441	HOSE	1	47	24C-620	BOLT, Tube to Frame	2
13	540130	CLAMP, Hose	1	47A	4E-06	LKWSHR, Tube to Frame	2
14	58K-225	O-RING, Suction Stem	1	47B	656672	WASHER, Tube to Frame	2
15	-----	STEERING PUMP — See Index ..	—	48	1523950	TUBE, Steer	1
16	58K-222	O-RING, Flange Half	1	49	18D-06	NUT, Tube to Frame	1
17	19J20	FLANGE HALF, Hose to Pump	2	50	1523955	TUBE, Steer	1
18	4E-07	LKWSHR, Flange Half	4	51	24C-624	BOLT, Tube to Frame	2
19	23C-724	BOLT, Flange Half	4	52	656672	WASHER, Tube to Frame	2
20	1533256	HOSE, Pump to Tee	1	53	656672	WASHER, Tube to Frame	2
21	10K-10	TEE, Connector	3	54	18D-06	NUT, Tube to Frame	2
22	1523951	TUBE, Steer	1	55	-----	RESERVOIR — See Index	—
23	568339	TUBE, Steer	1	56	1509470	HOSE, Cooler Bypass	1
24	24C-620	BOLT, Tube to Frame	2	57	531684	ADAPTER, Relief Valve (Inc. 58)	1
25	4E-06	LKWSHR, Tube to Frame	2	58	91F-7	O-RING, Adapter	1
26	656672	WASHER, Tube to Frame	2	59	33F-5	ADAPTER, Cross to Valve	1
27	1523953	TUBE, Steer	1	60	29K-212	CROSS	1
27A	24C-620	†BOLT, Tube to Frame	1	61	5K-624	NIPPLE, Reservoir to Cross ..	1
27B	18D-06	†NUT, Tube to Frame	1	62	1504097	HOSE, Tube to Reservoir	1
28	24C-620	BOLT, Tube to Frame	1	63	89F-8	CONNECTOR, Hose to Cross ..	1
29	18D-06	NUT, Tube to Frame	1	64	5K-611	NIPPLE, Cross to Valve	1
30	568372	HOSE, Tube to Gear	1	65	24K-7	PLUG, Pipe (Inc. 66)	1
31	91F-7	O-RING, Adapter	1	66	91F-7	O-RING, Plug	1
32	531684	ADAPTER, Hose to Valve (Inc. 31)	1	67	-----	RELIEF VALVE — See Index ..	—
33	91F-6	O-RING, Connector	1	68	568372	HOSE, Valve to Tee	1
34	731793	CONNECTOR, Hose to Gear (Inc. 33)	1				

†Not Illustrated

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



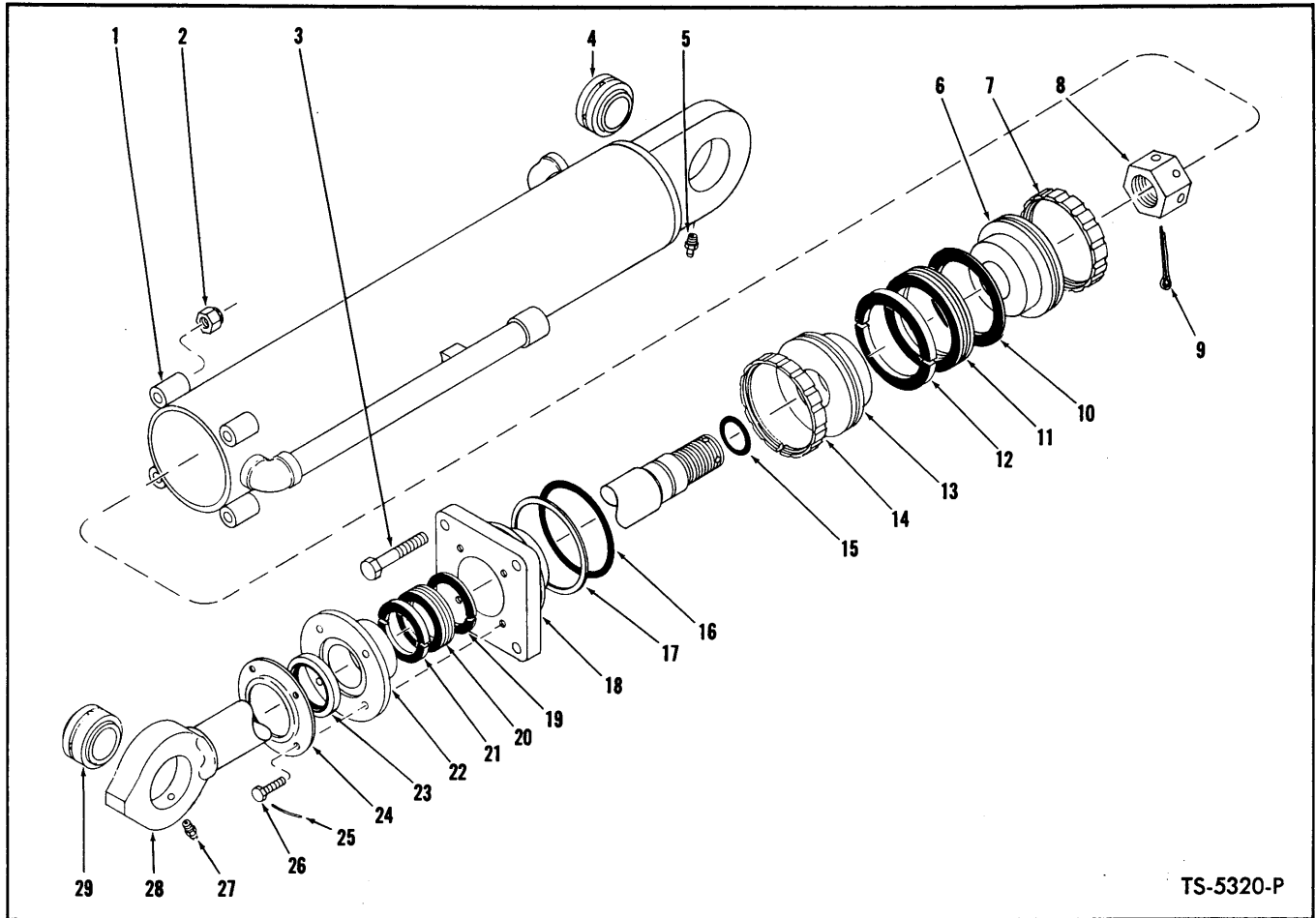
TS-8288-P

PRESSURE RELIEF VALVE – STEERING SYSTEM

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

§Not Sold Separately
†Not Illustrated

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



TS-5320-P

STEERING CYLINDER ASSEMBLY

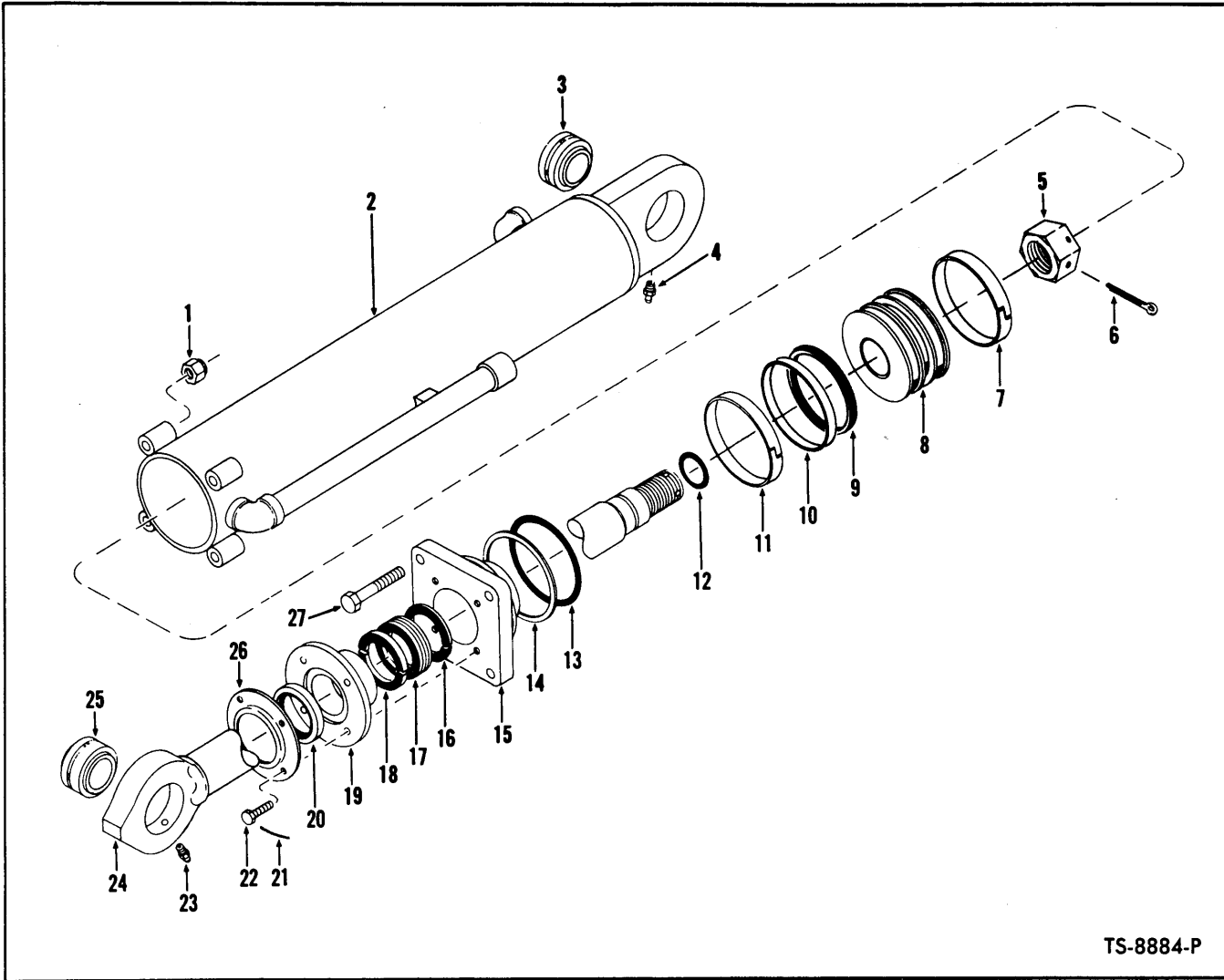
**For Serial: Cummins — 7AFC101 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999**

Two Cylinders used on this machine; Quantities listed are for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	567855	*CYLINDER ASSY (Inc. 1 thru 29) . . .	1	14	----	§RING, Piston Wear — SeeB	1
B	2516068	KIT (Inc. 7, 9 thru 12, 14 thru 17, 19 thru 21, 23) See Note "B"	1	15	----	§"O" RING, Piston Rod — See B	1
1	567861	CYLINDER	1	16	----	§"O" RING, Cylinder Cap — See B	1
2	18D-08	NUT, Cylinder Cap	4	17	----	§RING, "O" Ring Back-Up — See B	1
3	18C-860	BOLT, Cylinder Cap	4	18	945113	CAP, Cylinder (Inc. 16, 17)	1
4	713418	BUSHING, Cylinder	1	19	----	§ADAPTER, Male — See 20	2
5	10H-25	FITTING, Cylinder Grease	1	20	2501107	PACKING ASSY (Inc. 19, 21)	1
6	548575	PISTON, Bottom Half — See Note "A"	1	21	----	§ADAPTER, Female (See 20)	2
7	----	§RING, Piston Wear — See B	1	22	550087	GLAND, Packing	1
8	551605	NUT, Piston Rod	1	23	2516952	SEAL, Piston Rod	1
9	1F-648	COTTER, Piston Rod Nut	1	24	550089	RETAINER, Seal	1
10	----	§ADAPTER, Male — See 11	2	25	----	LOCKWIRE (16 ga. x 11")	2
11	----	§PACKING ASSY (Inc. 10, 12) See B	1	26	4C-616	BOLT, Gland	4
12	----	§ADAPTER, Female (See 11)	2	27	10H-25	FITTING, Piston Rod Grease	1
13	548574	PISTON, Top Half — See Note "A"	1	28	571436	**ROD, Piston	1
				29	713418	BUSHING, Piston Rod	1

*NOTE: For complete replacement use 1503232 Cylinder Assy.
 **NOTE: For replacement use 1503226 Rod plus 1-1535217 Nut & 1-1F-844 Cotter.
 NOTE "A": For replacement of either item 6 or 13 use 1-1503026 Piston plus 1-2516069 Kit.
 NOTE "B": For reference see Service Gram S.G.-597A.

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



TS-8884-P

STEERING CYLINDER ASSEMBLY
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1503232	CYLINDER ASSY (Inc. 1, 2, 5 thru 22, 24, 26 & 27)	2	12	----	§O-RING, Piston Rod — See B	1
B	2516069	*KIT (Inc. 7, 9 thru 14, 16 thru 18, 20)	1	13	----	§O-RING, Cylinder Cap — See B	1
NOTE: Two (2) Cylinders used on machine — Quantities listed below are for one (1) Cylinder.				14	----	§ RING, Back-Up — See B	1
1	18D-08	NUT, Cylinder Cap	4	15	945113	CAP, Cylinder (Inc. 13, 14)	1
2	567861	CYLINDER	1	16	----	§ ADAPTER, Male (See 17)	2
3	713418	BUSHING, Cylinder	1	17	2501107	PACKING ASSY (Inc. 16, 18)	1
4	10H-25	FITTING, Cylinder Grease	1	18	----	§ ADAPTER, Female (See 17)	2
5	1535217	NUT, Piston Rod	1	19	550087	GLAND, Packing	1
6	1F-844	COTTER, Rod Nut	1	20	2516952	SEAL, Piston Rod	1
7	----	§ RING, Piston Wear — See B	1	21	----	LOCKWIRE (16 ga. x 11" lg.)	2
8	1503026	PISTON	1	22	4C-616	BOLT, Retainer	4
9	----	§ RING, Inner Seal — See B	1	23	10H-25	FITTING, Rod Grease	1
10	----	§ RING, Outer Seal — See B	1	24	1503226	ROD, Piston	1
11	----	§ RING, Piston Wear — See B	1	25	713418	BUSHING, Piston Rod	1
				26	550089	RETAINER, Seal	1
				27	18C-860	BOLT, Cylinder Cap	4

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

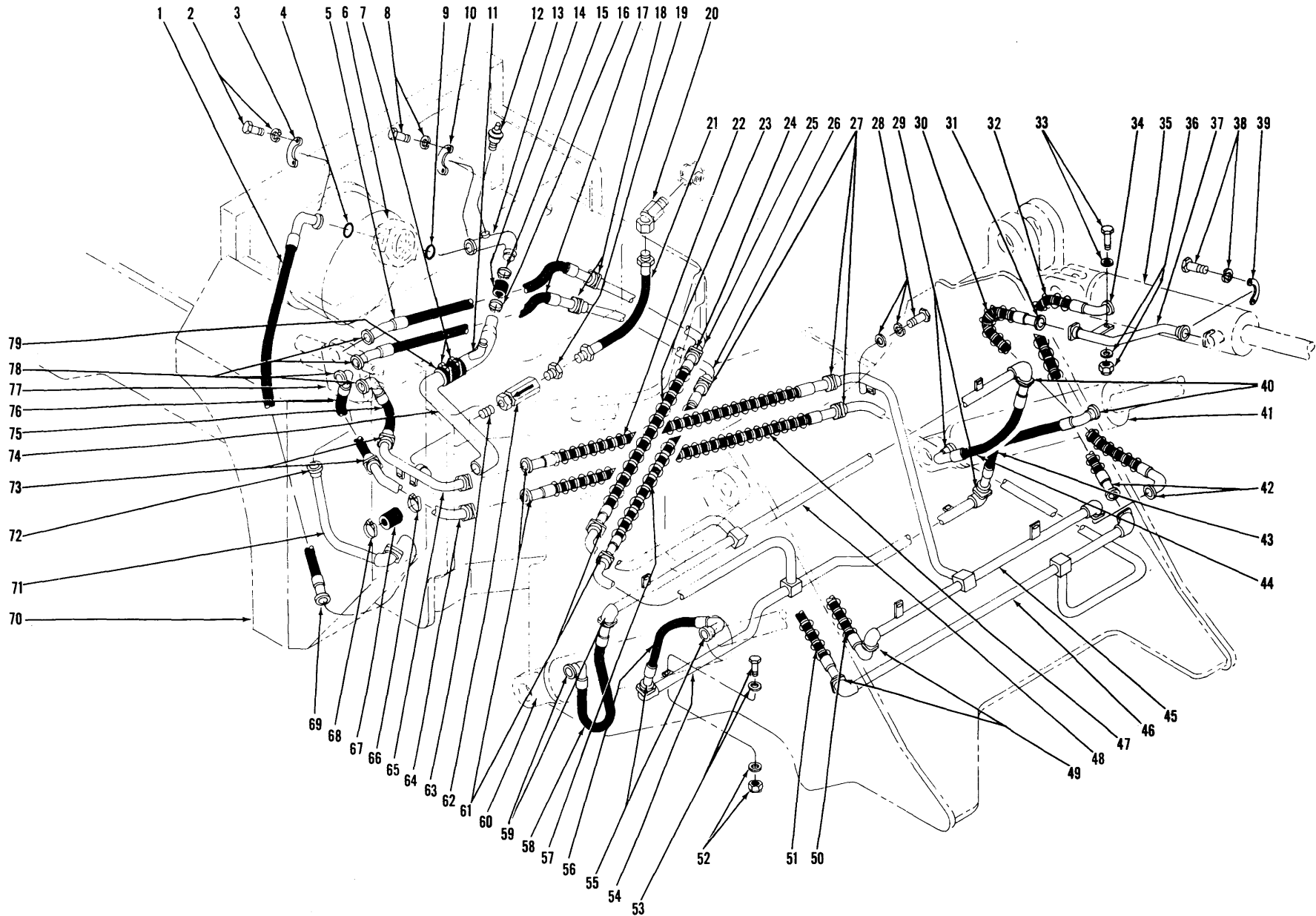
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HYDRAULIC SYSTEM – BUCKET AND BOOM – CUMMINS
For Serial: 7AFC101 thru 8AFC999

TS-6343-P

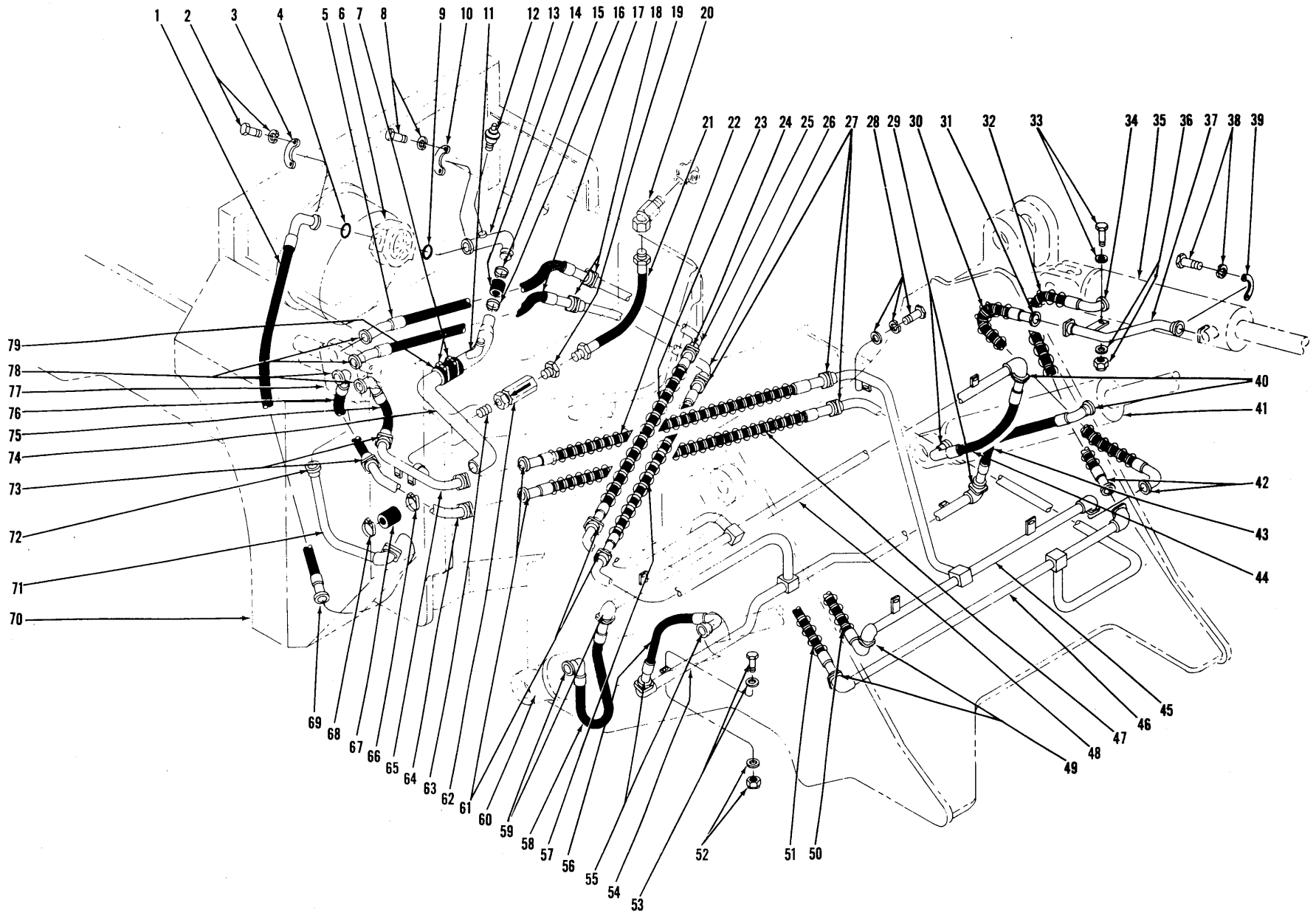
HYDRAULIC SYSTEM — BUCKET AND BOOM — CUMMINS

For Serial: 7AFC101 thru 8AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1535096	HOSE, Pump to Valve	1	28	18C-616	BOLT, Tube to Frame	1
2	17C-724	BOLT, Flange Half	4	28A	4E-06	LKWSHR, Tube to Frame	1
2A	4E-07	LKWSHR, Flange Half	4	28B	656672	WASHER, Tube to Frame	1
3	19J20	FLANGE HALF, Hose to Pump	2	29	-----	FLANGE HALF—See Group "B" Below	—
4	58K-222	"O" RING, Flange Half	1	30	1534030	HOSE, Tube to Bucket Cylinder — Rod End	2
5	1536514	HOSE, Valve to Tube	1	31	-----	FLANGE HALF—See Group "C" Below	—
6	-----	MAIN HYDRAULIC PUMP — See Index	—	32	1534030	HOSE, Tube to Bucket Cylinder Base ..	2
7	540102	CLAMP, Hose to Suction Tubes	2	33	18C-620	BOLT, Tube to Bucket Cylinder	2
8	17C-824	BOLT, Flange Half	4	33A	656672	WASHER, Tube to Bucket Cylinder	2
8A	4E-08	LKWSHR, Flange Half	4	34	-----	FLANGE HALF—See Group "B" Below	—
9	58K-228	"O" RING, Flange Half	1	35	-----	BUCKET CYLINDER — See Index	—
10	19J32	FLANGE HALF, Suction Stem to Pump	2	36	18D-06	NUT, Tube to Bucket Cylinder	2
11	568280	TUBE, Suction	1	36A	656672	WASHER, Tube to Bucket Cylinder	2
12	562112	INDICATOR, Vacuum	1	37	569052	TUBE, Bucket Cylinder	2
12A	14D-8	†NUT, Vacuum Indicator	1	38	17C-620	BOLT, Flange Half	4
12B	12E-08	†LKWSHR, Vacuum Indicator	1	38A	4E-06	LKWSHR, Flange Half	4
13	569248	STEM, Suction	1	39	19J12	FLANGE HALF, Tube to Cylinder Rod End	2
14	533478	HOSE, Suction Tube to Suction Stem ..	1	39A	58K-214	†"O" RING, Flange Half	1
15	540106	CLAMP, Hose to Suction Stem	1	40	-----	FLANGE HALF—See Group "B" Below	—
16	540106	CLAMP, Hose to Suction Tube	1	41	-----	BOOM CYLINDER — See Index	—
17	1536514	HOSE, Valve to Tube	1	42	-----	FLANGE HALF—See Group "C" Below	—
18	-----	FLANGE HALF—See Group "A" Below	—	43	1534006	HOSE, Tube to Boom Cylinder — Rod End	1
19	356627	REDUCER, Hose to Check Valve	1	44	1534006	HOSE, Tube to Boom Cylinder — Base	1
20	31F-5	ADAPTER, Hose to Cross	1	45	568155	TUBE, Upper L. H. Bucket Cylinder Rod End	1
21	536332	HOSE, Check Valve to Cross	1	45A	18C-624	†BOLT, Tube to Frame	2
22	1534465	HOSE, Center Pivot	1	45B	656672	†WASHER, Tube to Frame	4
23	1534465	HOSE, Center Pivot	1	45C	18D-06	†NUT, Tube to Frame	2
24	-----	FLANGE HALF—See Group "A" Below	—	46	568154	TUBE, Lower L. H. Bucket Cylinder Base	1
25	568117	TUBE, Upper R. H. Boom Cylinder Base	1	46A	18C-616	†BOLT, Tube to Frame	1
25A	18C-616	†BOLT, Tube to Frame	2	46B	4E-06	†LKWSHR, Tube to Frame	1
25B	4E-06	†LKWSHR, Tube to Frame	2	46C	656672	†WASHER, Tube to Frame	5
25C	656672	†WASHER, Tube to Frame	2	46D	18C-624	†BOLT, Tube to Frame	2
26	568119	TUBE, Lower L. H. — Boom Cylinder Rod End	1	46E	18D-06	†NUT, Tube to Frame	2
26A	18C-616	BOLT, Tube to Frame	2	47	1534465	HOSE, Center Pivot	1
26B	4E-06	†LKWSHR, Tube to Frame	2	48	568153	TUBE, Upper R. H. Boom Cylinder Base	1
26C	656672	†WASHER, Tube to Frame	2				
27	-----	FLANGE HALF—See Group "A" Below	—				

†Not Illustrated

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



HYDRAULIC SYSTEM – BUCKET AND BOOM – CUMMINS
For Serial: 7AFC101 thru 8AFC999

TS-6343-P

HYDRAULIC SYSTEM — BUCKET AND BOOM — CUMMINS (Continued)

For Serial: 7AFC101 thru 8AFC999

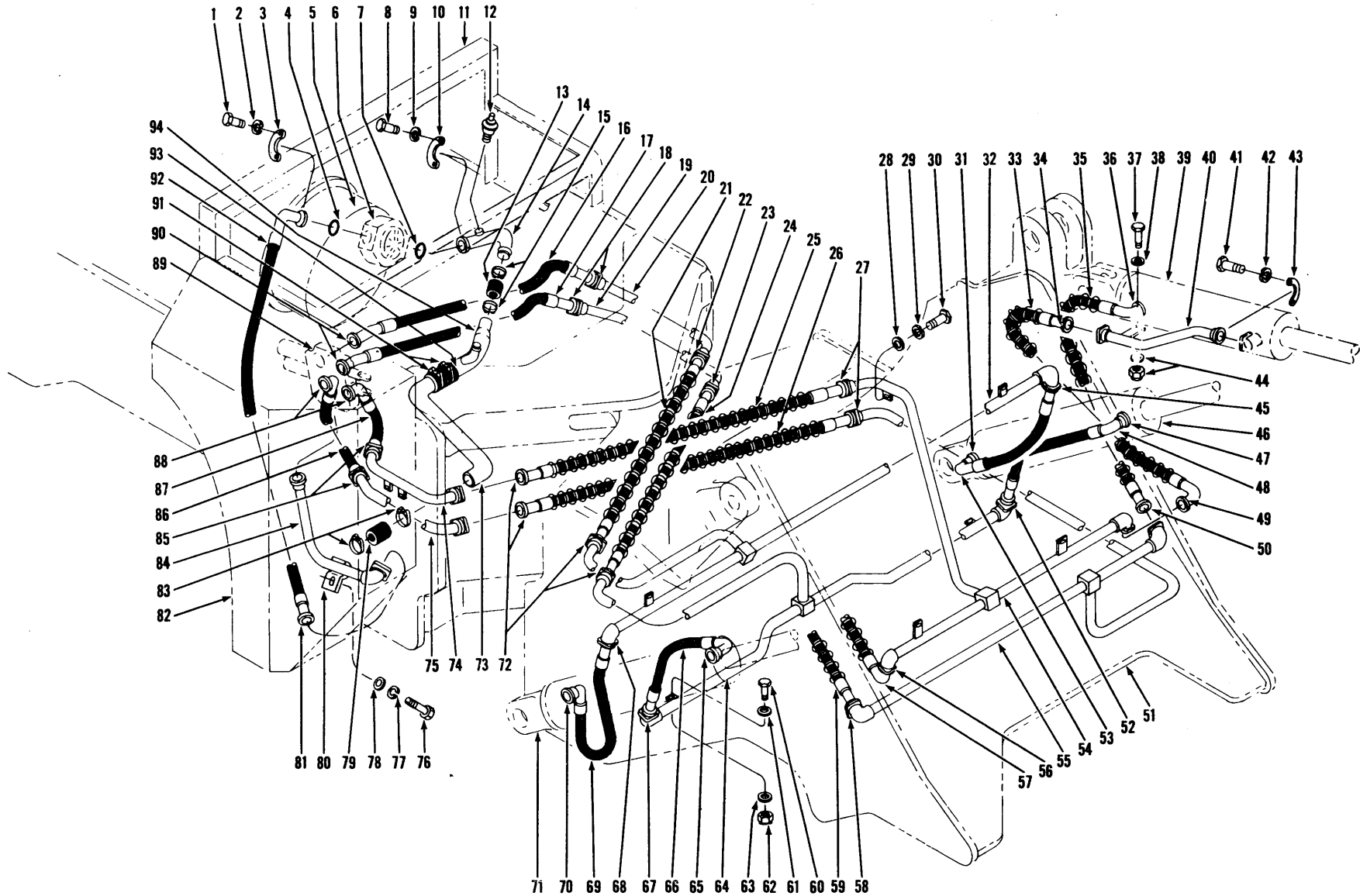
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
48A	18C-616	†BOLT, Tube to Frame	1	63	5K-1013	NIPPLE, Tube to Check Valve	1
48B	4E-06	†LKWSHR, Tube to Frame	1	64	568123	TUBE, Lower R. H. — Bucket Cylinder Base	1
48C	656672	†WASHER, Tube to Frame	5	64A	18C-616	†BOLT, Tube to Frame	2
48D	18C-624	†BOLT, Tube to Frame	2	64B	4E-06	†LKWSHR, Tube to Frame	2
48E	18D-06	†NUT, Tube to Frame	2	64C	656672	†WASHER, Tube to Frame	2
49	-----	FLANGE HALF—See Group "C" Below	—	65	568121	TUBE, Upper R. H. — Bucket Cylinder Rod End	1
50	1534030	HOSE, Tube to Bucket Cylinder Rod End.....	1	65A	18C-616	†BOLT, Tube to Frame	2
51	1534030	HOSE, Tube to Bucket Cylinder Base	1	65B	4E-06	†LKWSHR, Tube to Frame	2
52	18D-06	NUT, Tube to Frame	2	65C	656672	†WASHER, Tube to Frame	2
52A	656672	WASHER, Tube to Frame	2	66	540102	CLAMP, Suction Tube to Hose	1
53	18C-624	BOLT, Tube to Frame	2	67	1580530	HOSE, Suction Tube to Reservoir	1
53A	656672	WASHER, Tube to Frame	2	68	540102	CLAMP, Hose to Reservoir	1
54	568057	TUBE, Lower R. H. Boom Cylinder Rod	1	69	-----	FLANGE HALF—See Group "B" Below	—
54A	18C-616	†BOLT, Tube to Frame	1	70	-----	HYDRAULIC RESERVOIR — See Index..	—
54B	4E-06	†LKWSHR, Tube to Frame	1	71	1533455	TUBE, Valve Inlet	1
54C	656672	†WASHER, Tube to Frame	1	72	-----	FLANGE HALF—See Group "B" Below	—
55	-----	FLANGE HALF—See Group "B" Below	—	73	-----	FLANGE HALF—See Group "A" Below	—
56	1534006	HOSE, Tube to Boom Cylinder Rod End	1	74	568288	TUBE, Suction	1
57	1534465	HOSE, Center Pivot	1	75	1534621	HOSE, Valve to Tube	1
58	1534006	HOSE, Tube to Boom Cylinder Base	1	76	1534463	HOSE, Valve to Tube	1
59	-----	FLANGE HALF—See Group "B" Below	—	77	-----	MAIN HYDRAULIC VALVE—See Index	—
60	-----	BOOM CYLINDER — See Index	—	78	-----	FLANGE HALF—See Group "B" Below	—
61	-----	FLANGE HALF—See Group "A" Below	—	79	1580530	HOSE, Suction Tube to Suction Tube Assy	1
62	569105	VALVE, Check	1				

†Not Illustrated

GROUP No. Req'd. Per Connection	FLANGE HALF	"O" RING	BOLT	LKWSHR	SIZE
	2	1	4	4	
A	19J16	58K-222	17C-724	4E-07	1¼"
B	19J12	58K-219	17C-620	4E-06	1"
C	19J20	58K-214	17C-620	4E-06	¾"

NOTES

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



HYDRAULIC SYSTEM – BUCKET AND BOOM – CUMMINS
For Serial: 9AFC101 thru 10AFC210

TS-7997-P

HYDRAULIC SYSTEM — BUCKET AND BOOM — CUMMINS

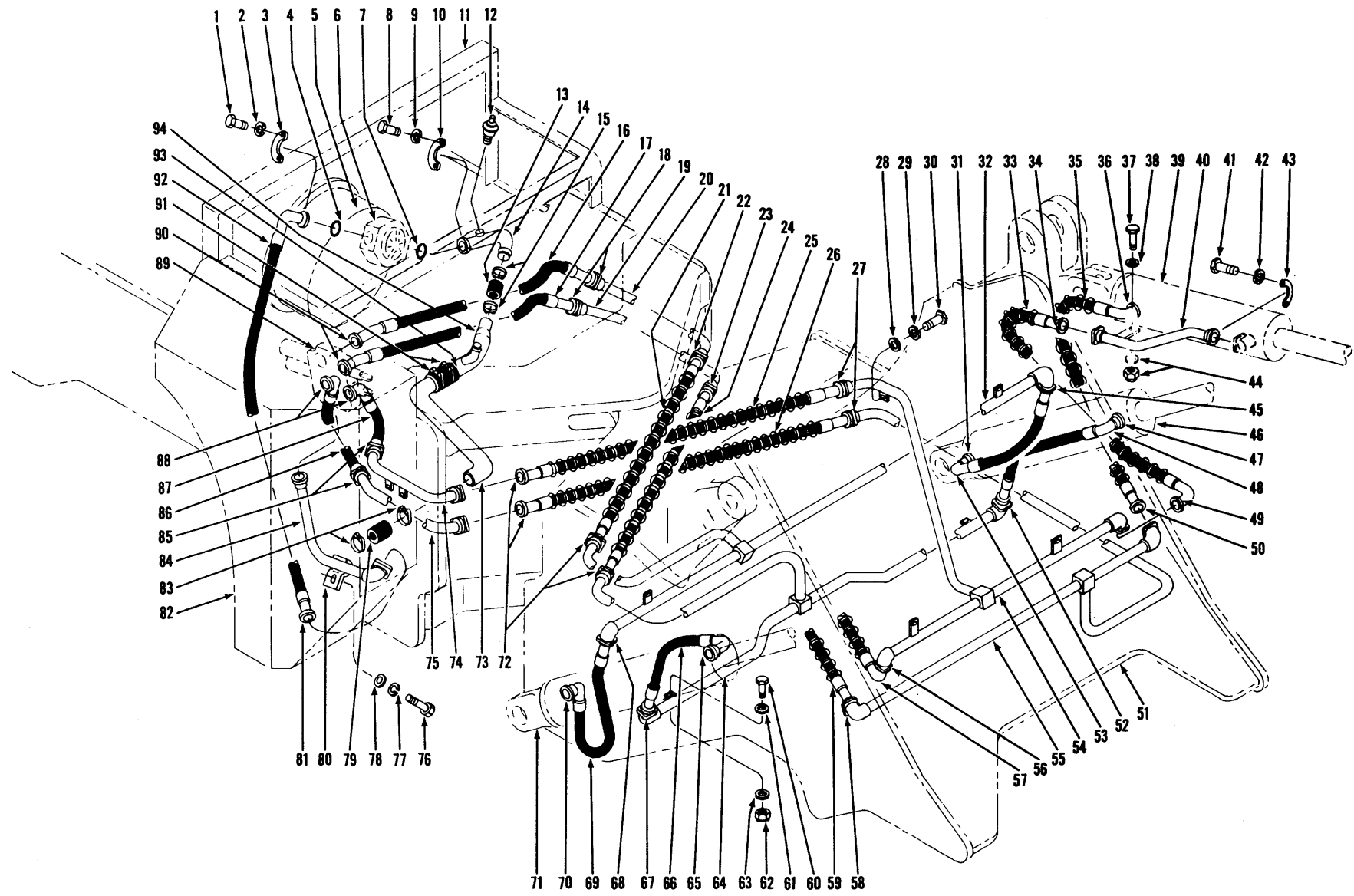
For Serial: 9AFC101 thru 10AFC210

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	17C-724	BOLT, Flange Half to Pump.....	4	33	1534030	HOSE, Tube to Bucket Cylinder Rod End	1
2	4E-07	LKWSHR, Flange Half to Pump.....	4	34	-----	FLANGE HALF — See Group "C"	—
3	19J20	FLANGE HALF, Hose to Pump.....	2	35	1534030	HOSE, Tube to Bucket Cylinder Base End	1
4	58K-222	"O" RING, Flange Half to Pump	1	36	-----	FLANGE HALF — See Group "C"	—
5	-----	CONVERTER, Torque — See Index	—	37	18C-620	BOLT, Tube to Bucket Cylinder	2
6	-----	PUMP, Main Hydraulic — See Index	—	38	656672	WASHER, Tube to Bucket Cylinder	2
7	58K-228	"O" RING, Flange Half to Pump.....	1	39	-----	CYLINDER, Bucket — See Index	—
8	17C-824	BOLT, Flange Half to Pump.....	4	40	569052	TUBE, Bucket Cylinder	2
9	4E-08	LKWSHR, Flange Half to Pump.....	4	41	17C-620	BOLT, Flange Half to Cylinder	4
10	19J32	FLANGE HALF, Stem to Pump.....	2	42	4E-06	LKWSHR, Flange Half to Cylinder	4
11	-----	FRAME, Rear — See Index	—	43	19J12	FLANGE HALF, Tube to Cylinder Rod End	2
12	562112	*INDICATOR, Vacuum.....	1	43A	58K-214	†"O" RING, Flange Half to Cylinder ..	1
12A	14D-8	†NUT, Vacuum Indicator.....	1	44	18D-06	NUT, Tube to Bucket Cylinder	2
12B	12E-8	†LKWSHR, Vacuum Indicator.....	1	44A	656672	WASHER, Tube to Bucket Cylinder	2
13	533478	HOSE, Tube to Stem	1	45	-----	FLANGE HALF — See Group "B"	—
14	1526191	STEM, Suction	1	46	-----	CYLINDER, Boom — See Index	—
15	540106	CLAMP, Hose.....	2	47	-----	FLANGE HALF — See Group "B"	—
16	1536514	HOSE, Valve to Tube	1	48	1534006	HOSE, Tube to Boom Cylinder Rod End	1
17	1536514	HOSE, Valve to Tube.....	1	49	-----	FLANGE HALF — See Group "C"	—
18	-----	FLANGE HALF — See Group "A"....	—	50	-----	FLANGE HALF — See Group "C"	—
19	568119	TUBE, Lower Boom Cyl. Rod End ...	1	51	-----	FRAME, Front — See Index	—
19A	18C-616	†BOLT, Tube to Frame.....	2	52	-----	FLANGE HALF — See Group "B"	—
19B	4E-06	†LKWSHR, Tube to Frame	2	53	1534006	HOSE, Tube to Boom Cylinder Base End	1
19C	656672	†WASHER, Tube to Frame.....	2	54	568155	TUBE, Upper Bucket Cylinder Rod End	1
20	568117	TUBE, Upper Boom Cyl. Base End	1	54A	18C-620	†BOLT, Tube to Frame	2
20A	18C-616	†BOLT, Tube to Frame.....	2	54B	656672	†WASHER, Tube to Frame	4
20B	4E-06	†LKWSHR, Tube to Frame	2	54C	18D-06	†NUT, Tube to Frame	2
20C	656672	†WASHER, Tube to Frame.....	2	55	568154	TUBE, Lower Bucket Cylinder Base End	1
21	1534465	HOSE, Center Pivot.....	1	55A	18C-616	†BOLT, Tube to Frame	1
22	-----	FLANGE HALF — See Group "A"....	—	55B	4E-06	†LKWSHR, Tube to Frame	1
23	-----	FLANGE HALF — See Group "A"....	—	55C	656672	†WASHER, Tube to Frame	5
24	1534465	HOSE, Center Pivot	1	55D	18C-620	†BOLT, Tube to Frame	2
25	1534465	HOSE, Center Pivot.....	1	55E	18D-06	†NUT, Tube to Frame	2
26	1534465	HOSE, Center Pivot	1	56	-----	FLANGE HALF — See Group "C"	—
27	-----	FLANGE HALF — See Group "A"....	—	57	1534030	HOSE, Tube to Bucket Cylinder Rod End	1
28	656672	WASHER, Tube to Frame	1	58	-----	FLANGE HALF — See Group "C"	—
29	4E-06	LKWSHR, Tube to Frame.....	1	59	1534030	HOSE, Tube to Bucket Cylinder Base End	1
30	18C-616	BOLT, Tube to Frame	1				
31	-----	FLANGE HALF — See Group "B"....	—				
32	568153	TUBE, Upper Boom Cyl. Base.....	1				
32A	18C-616	†BOLT, Tube to Frame	1				
32B	4E-06	†LKWSHR, Tube to Frame	1				
32C	656672	†WASHER, Tube to Frame.....	5				
32D	18C-620	†BOLT, Tube to Frame	2				
32E	18D-06	†NUT, Tube to Frame	2				

†Not Illustrated

*NOTE: 562112 Indicator is on machine serial 9AFC101 thru 9AFC131, 9AFC133 thru 9AFC141, 9AFC143 and 9AFC145 thru 9AFC147 only. For machines not equipped with 562112 Indicator one (1) 40K-04 Pipe Plug is used.

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



HYDRAULIC SYSTEM – BUCKET AND BOOM – CUMMINS
For Serial: 9AFC101 thru 10AFC210

TS-7997-P

HYDRAULIC SYSTEM – BUCKET AND BOOM (Continued)– CUMMINS

For Serial: 9AFC101 thru 10AFC210

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
60	18C-620	BOLT, Tube to Frame	2	75C	656672	†WASHER, Tube to Frame.....	2
61	656672	WASHER, Tube to Frame	2	76	18C-620	*BOLT, Clamp to Mounting Bar.....	1
62	18D-06	NUT, Tube to Frame	2	77	4E-06	*LKWSHR, Clamp to Mounting Bar....	1
63	656672	WASHER, Tube to Frame	2	78	656672	*WASHER, Clamp to Mounting Bar....	1
64	568057	TUBE, Lower Boom Cylinder Rod End ..	1	79	1580530	HOSE, Suction Tube to Reservoir....	1
64A	18C-616	†BOLT, Tube to Frame	1	80	1526125	*CLAMP, Inlet Tube Mounting	1
64B	4E-06	†LKWSHR, Tube to Frame	1	81	-----	FLANGE HALF – See Group "B"....	—
64C	656672	†WASHER, Tube to Frame	1	82	-----	RESERVOIR, Hydraulic Oil (See Index).....	—
65	-----	FLANGE HALF – See Group "B"	—	83	540102	CLAMP, Hose	2
66	1534006	HOSE, Tube to Boom Cylinder Base End	1	84	568540	*TUBE, Valve Inlet – See Note "A"....	1
67	-----	FLANGE HALF – See Group "B"	—	84A	19J16	*†FLANGE HALF, Tube to Valve	2
68	-----	FLANGE HALF – See Group "B"	—	84B	58K-219	*†O-RING, Flange Half.....	1
69	1534006	HOSE, Tube to Boom Cylinder Base End	1	84C	17C-620	*†BOLT, Flange Half	4
70	-----	FLANGE HALF – See Group "B"	—	84D	4E-06	*†LKWSHR, Flange Half	4
71	-----	CYLINDER, Boom – See Index	—	85	-----	FLANGE HALF – See Group "A"	—
72	-----	FLANGE HALF – See Group "A"	—	86	1534463	HOSE, Valve to Tube.....	1
73	568288	TUBE, Suction	1	87	1534621	HOSE, Valve to Tube.....	1
74	1520575	TUBE, Upper Bucket Cylinder Rod End	1	88	-----	FLANGE HALF – See Group "B"	—
74A	18C-616	†BOLT, Tube to Frame	2	89	-----	CONTROL VALVE – See Index	—
74B	4E-06	†LKWSHR, Tube to Frame	2	90	-----	FLANGE HALF – See Group "B"	—
74C	656672	†WASHER, Tube to Frame	2	91	540102	CLAMP, Hose to Suction Tube	2
75	568123	TUBE, Lower Bucket Cylinder Base End	1	92	-----	HOSE, Pump to Valve	
75A	18C-616	†BOLT, Tube to Frame	2	92A	1535096	For Serial Group "A".....	1
75B	4E-06	†LKWSHR, Tube to Frame	2	92B	1533455	For Serial Group "B".....	1
				93	1580530	HOSE, Tube to Valve.....	1
				94	1520936	TUBE, Suction	1

*NOTE: For Serial Group "A" Only.

NOTE "A": For replacement use 1533455 Pump to Valve Hose (Item 92B). Once replacement has been made, items 76, 77, 78, 80 & 92A are no longer required.

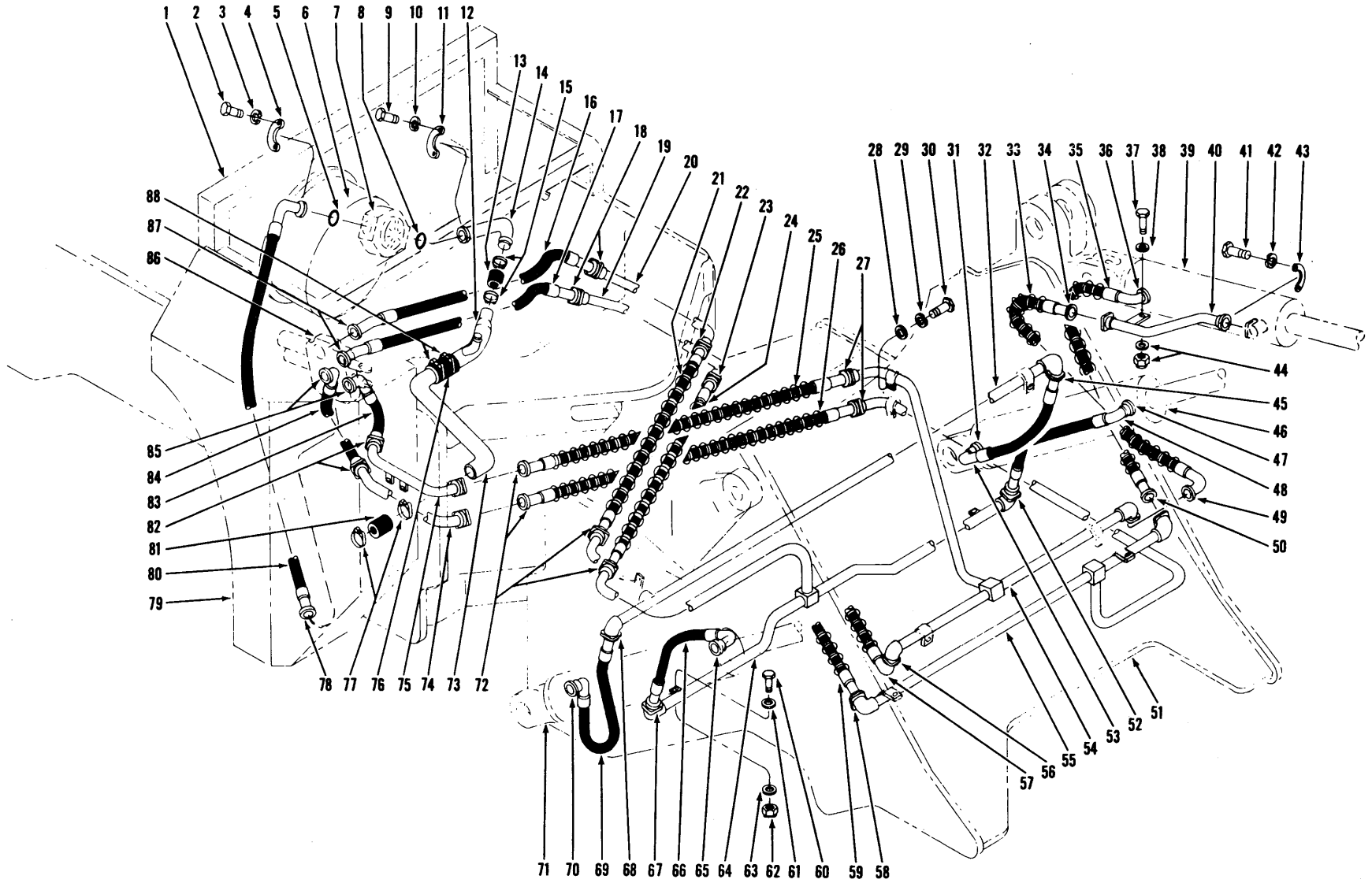
Serial Group "A": 9AFC101 thru 10AFC123, 10AFC126 thru 10AFC131, 10AFC135 thru 10AFC137, 10AFC140 thru 10AFC153, 10AFC155, 10AFC156, 10AFC158, 10AFC160, 10AFC162, 10AFC164 and 10AFC169.

Serial Group "B": 10AFC124, 10AFC125, 10AFC132 thru 10AFC134, 10AFC138, 10AFC139, 10AFC154, 10AFC157, 10AFC158, 10AFC161, 10AFC163, 10AFC165 thru 10AFC168, 10AFC170 thru 10AFC210.

GROUP No. Req'd. Per Connection	FLANGE HALF	"O" RING	BOLT	LKWSHR	SIZE
A	2	1	4	4	
A	19J20	58K-222	17C-724	4E-07	1¼"
B	19J16	58K-219	17C-620	4E-06	1"
C	19J12	58K-214	17C-620	4E-06	¾"

NOTES

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



HYDRAULIC SYSTEM - BUCKET AND BOOM
For Serial: Cummins - 10AFC211 & after. G.M. 11AFG101 & after

TS-8326-P

HYDRAULIC SYSTEM — BUCKET AND BOOM

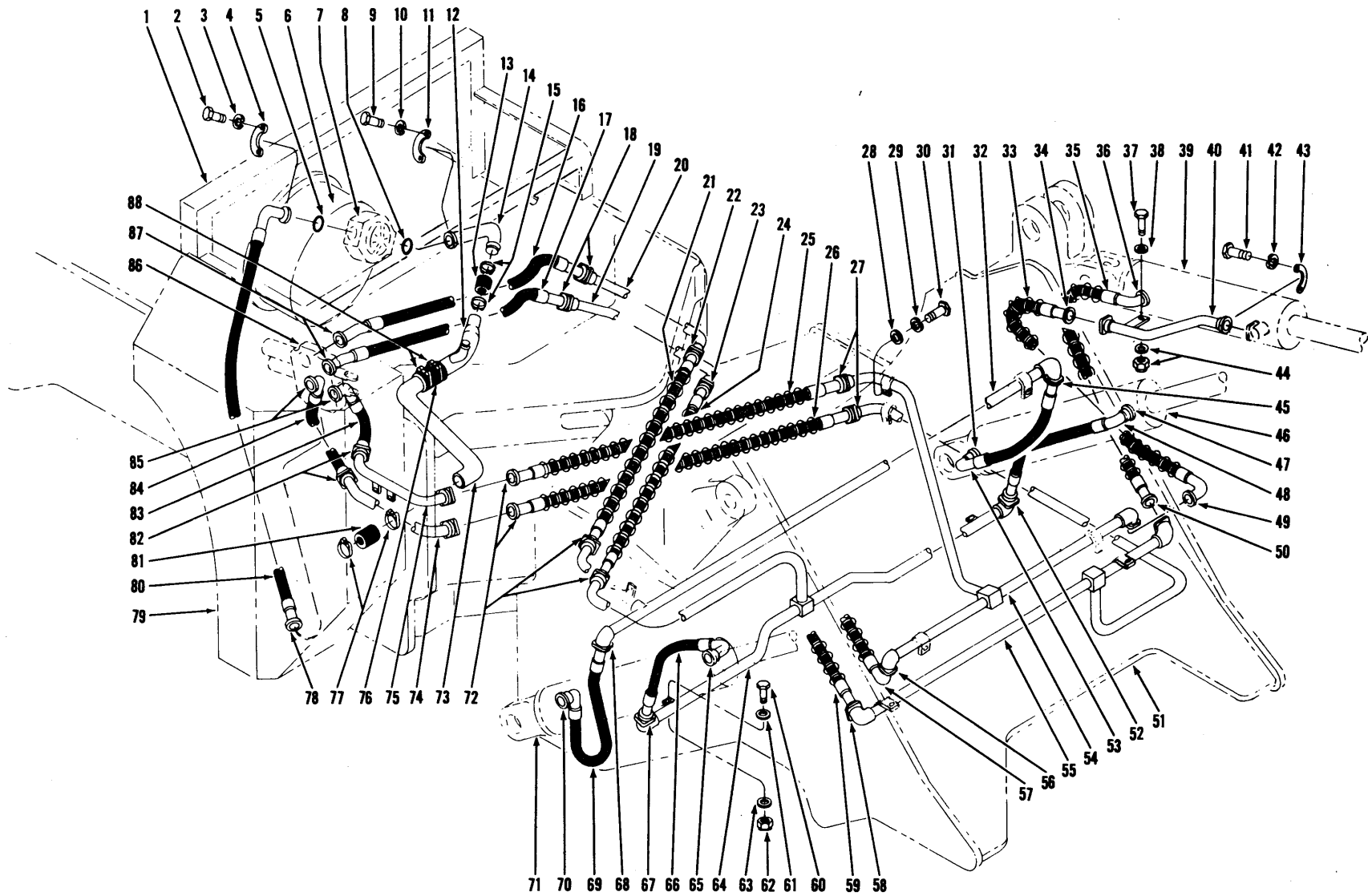
For Serial: Cummins — 10AFC211 and after

G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	FRAME, Rear — See Index...	—	32	1536608	TUBE, Upper Boom Cylinder Base	1
2	23C-724	BOLT, Flange Half to Pump	4	32A	24C-820	†BOLT, Tube to Frame	2
3	4E-07	LKWSHR, Flange Half.....	4	32B	4E-08	†LKWSHR, Tube to Frame	2
4	19J20	FLANGE HALF, Hose.....	2	32C	635682	†WASHER, Tube to Frame	5
5	58K-222	O-RING, Flange Half.....	1	32D	24C-828	†BOLT, Tube to Frame	2
6	-----	CONVERTER, Torque — See Index	—	32E	18D-08	†NUT, Tube to Frame	2
7	-----	PUMP, Main Hydraulic — See Index	—	33	1536851	HOSE, Tube to Bucket Cyl. Rod End	1
8	58K-228	O-RING, Flange Half.....	1	34	-----	FLANGE HALF — See Group "C"	—
9	23C-824	BOLT, Flange Half to Pump	4	35	1536852	HOSE, Tube to Bucket Cyl. Base End	1
10	4E-08	LKWSHR, Flange Half.....	4	36	-----	FLANGE HALF — See Group "C"	—
11	19J32	FLANGE HALF — Stem to Pump	2	37	24C-620	BOLT, Tube to Bucket Cylinder	2
12	-----	TUBE, Suction	—	38	656672	WASHER, Tube to Bucket Cylinder	2
12A	1520936	For Serial Group "A" & "B"	1	39	-----	CYLINDER, Bucket — See Index	—
12B	1533266	For Serial Group "C"	1	40	569052	TUBE, Bucket Cylinder	2
13	533478	HOSE, Tube to Stem	1	41	23C-620	BOLT, Flange Half	8
14	1526191	STEM, Suction.....	1	42	4E-06	LKWSHR, Flange Half	8
15	540106	CLAMP, Hose	2	43	19J12	FLANGE HALF, Tube to Cyl. Rod End	4
16	1536514	HOSE, Valve to Tube.....	1	43A	58K-214	†O-RING, Flange Half	2
17	1536514	HOSE, Valve to Tube.....	1	44	18D-06	NUT, Tube to Cylinder	2
18	-----	FLANGE HALF — See Group "A"	—	44A	656672	WASHER, Tube to Cylinder...	2
19	1536329	TUBE, Lower Boom Cylinder Rod End	1	45	-----	FLANGE HALF — See Group "B"	—
19A	24C-820	†BOLT, Tube to Frame.....	2	46	-----	CYLINDER, Boom — See Index	—
19B	4E-08	†LKWSHR, Tube to Frame ...	2	47	-----	FLANGE HALF — See Group "B"	—
19C	635682	†WASHER, Tube to Frame...	2	48	1503839	HOSE, Tube to Cylinder Rod End	1
20	-----	TUBE, Upper Boom Cyl.	—	49	-----	FLANGE HALF — See Group "B"	—
20A	1536327	For Serial Group "A".....	1	50	-----	FLANGE HALF — See Group "B"	—
20B	1503302	For Serial Group "B" & "C"	1	51	-----	FRAME, Front — See Index....	—
20C	24C-820	†BOLT, Tube to Frame	2	52	-----	FLANGE HALF — See Group "B"	—
20D	4F-08	†LKWSHR, Tube to Frame ...	2	53	1534006	HOSE, Tube to Boom Cyl.....	1
20E	635682	†WASHER, Tube to Frame....	2	54	1536611	TUBE, Upper Bucket Cyl.	1
21	1534465	HOSE, Center Pivot.....	1	54A	24C-828	†BOLT, Tube to Frame	2
22	-----	FLANGE HALF — See Group "A".....	—				
23	-----	FLANGE HALF — See Group "A".....	—				
24	1534465	HOSE, Center Pivot.....	1				
25	1534465	HOSE, Center Pivot.....	1				
26	1524465	HOSE, Center Pivot.....	1				
27	-----	FLANGE HALF — See Group "A".....	—				
28	635682	WASHER, Tube to Frame...	1				
29	4E-08	LKWSHR, Tube to Frame...	1				
30	24C-820	BOLT, Tube to Frame	1				
31	-----	FLANGE HALF — See Group "B".....	—				

†Not Illustrated

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



HYDRAULIC SYSTEM – BUCKET AND BOOM
For Serial: Cummins – 10AFC211 & after. G.M. 11AFG101 & after

TS-8326-P



CONSTRUCTION MACHINERY DIVISION
HYDRAULIC SYSTEM — BUCKET AND BOOM (Continued)
 For Serial : Cummins — 10AFC211 and after
G.M. — 11AFG101 and after

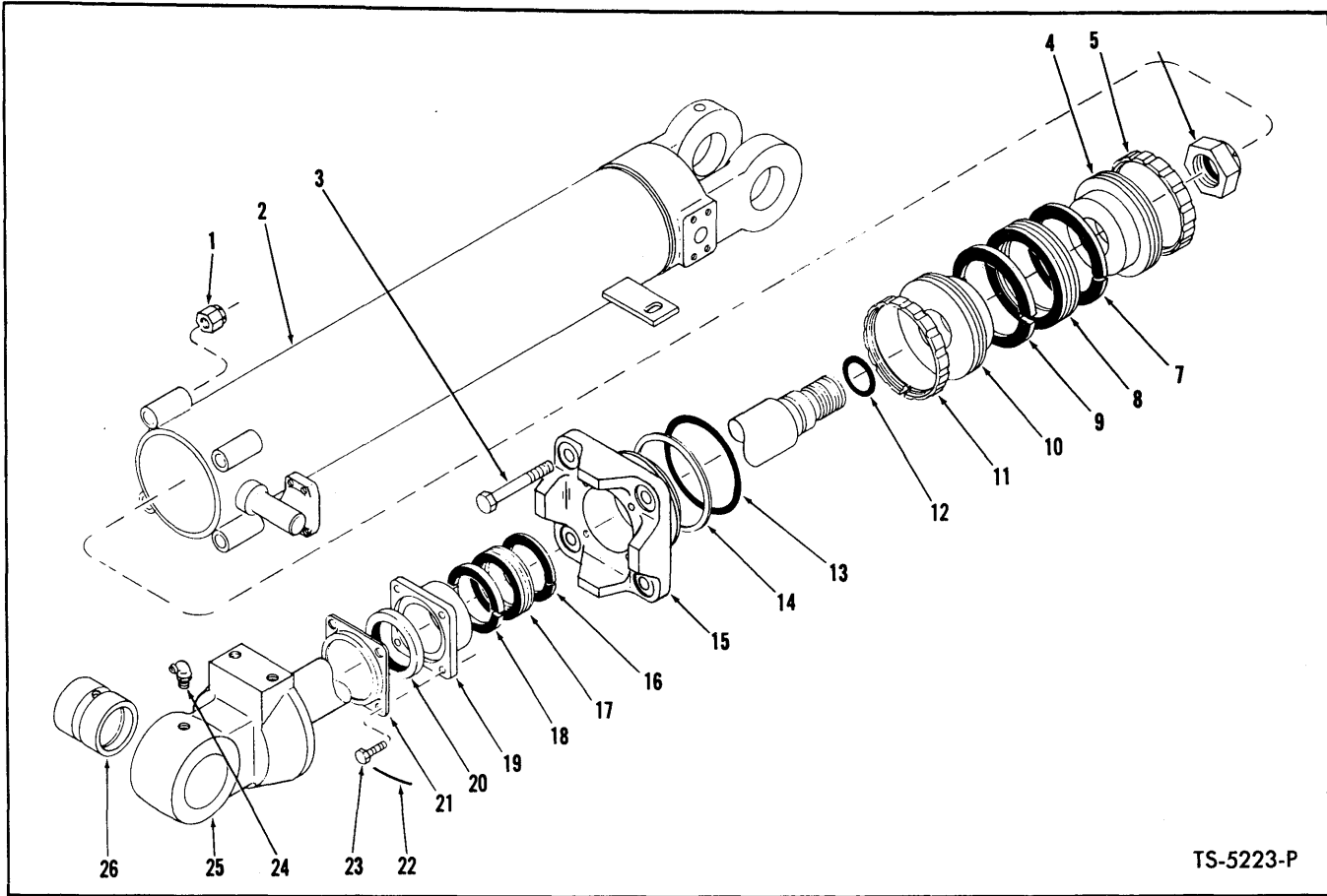


Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
54B	635682	†WASHER, Tube to Frame ..	4	70	-----	FLANGE HALF —	
54C	18D-08	†NUT, Tube to Frame	2			See Group "B"	—
55	1536609	TUBE, Lower Bucket Cyl. ..	1	71	-----	CYLINDER, Boom—See Index —	
55A	24C-820	†BOLT, Tube to Frame	1	72	-----	FLANGE HALF —	
55B	4E-08	†LKWSHR, Tube to Frame ...	1			See Group "A"	—
55C	635682	†WASHER, Tube to Frame ...	5	73		TUBE, Suction	
55D	24C-828	†BOLT, Tube to Frame	2	73A	568288	For Serial Group "A" & "B"	1
55E	18D-08	†NUT, Tube to Frame	2	73B	1533262	For Serial Group "C"	1
56	-----	FLANGE HALF —		74	1536325	TUBE, Lower Bucket Cyl.	
		See Group "B"	—			Base End	1
57	1536851	HOSE, Tube to Bucket Cyl.		74A	24C-820	†BOLT, Tube to Frame	2
		Rod End	1	74B	4E-08	†LKWSHR, Tube to Frame ...	2
58	-----	FLANGE HALF —		74C	635682	†WASHER, Tube to Frame ...	2
		See Group "B"	—	75	1536326	TUBE, Upper Bucket Cylinder	
59	1536852	HOSE, Tube to Bucket Cyl.				Rod End	1
		Base End	1	75A	24C-820	†BOLT, Tube to Frame	2
60	24C-828	BOLT, Tube to Frame	2	75B	4E-08	†LKWSHR, Tube to Frame ...	2
61	635682	WASHER, Tube to Frame ...	2	75C	635682	†WASHER, Tube to Frame ...	2
62	18D-08	NUT, Tube to Frame	2	76	1580530	HOSE, Tube to Tube	1
63	635682	WASHER, Tube to Frame ...	2	77	540102	CLAMP, Hose	2
64		TUBE, Lower Boom		78	-----	FLANGE HALF —	
		Cyl. Rod End				See Group "B"	—
64A	1536610	For Serial Group "A"	1	79	-----	RESERVOIR, Hydraulic Oil —	
64B	1503841	For Serial Group "B" & "C"	1			See Index	—
64C	24C-820	†BOLT, Tube to Frame	1	80	1533455	HOSE, Pump to Valve	1
64D	4E-08	†LKWSHR, Tube to Frame ...	1	81	1580530	HOSE, Suction Tube to	
64E	635682	†WASHER, Tube to Frame ...	1			Reservoir	1
65	-----	FLANGE HALF —		82	-----	FLANGE HALF —	
		See Group "B"	—			See Group "A"	—
66		HOSE, Tube to Boom		83	1534621	HOSE, Valve to Tube	1
		Cyl. Base End		84	1534463	HOSE, Valve to Tube	1
66A	1534006	For Serial Group "A"	1	85	-----	FLANGE HALF —	
66B	1503839	For Serial Group "B" & "C"	1			See Group "B"	—
67	-----	FLANGE HALF —		86	-----	VALVE, Control — See Index —	
		See Group "B"	—	87	-----	FLANGE HALF —	
68	-----	FLANGE HALF —				See Group "B"	—
		See Group "B"	—	88	540102	CLAMP, Hose to	
69	1534006	HOSE, Tube to Boom Cyl.				Suction Tubes	2
		Base End	1				

†Not Illustrated
 Serial Group "A"—10AFC211 thru 10AFC999
 Serial Group "B"—11AFC101 thru 11AFC999, 11AFG101 thru 11AFG999
 Serial Group "C"—12AFC101 thru 12AFC999, 12AFG101 thru 12AFG999

GROUP	FLANGE HALF	O-RING	BOLT	LKWSHR	SIZE
No. Req'd. Per Connection	2	1	4	4	
A	19J20	58K-222	23C-724	4E-07	1¼"
B	19J16	58K-219	23C-620	4E-06	1"
C	19J12	58K-214	23C-620	4E-06	¾"

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



TS-5223-P

BUCKET CYLINDER ASSEMBLY — CUMMINS

For Serial: 7AFC101 thru 9AFC999

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	567983	*CYLINDER ASSY (Inc. 1 thru 26) ...	2	13	-----	§"O" RING, Cylinder Cap — See B ...	1
B	2516067	KIT (Inc. 5, 7 thru 9, 11 thru 14, 16 thru 18, 20) See Note "C" ...	1	14	-----	§RING, "O" Ring Back Up — See B ...	1
1	18D-10	NUT, Cylinder Cap ...	4	15	945933	CAP, Cylinder (Inc. 13, 14) ...	1
2	567984	**CYLINDER ...	1	16	-----	§ADAPTER, Male — See 17 ...	2
3	18C-1072	BOLT, Cylinder Cap ...	4	17	2501109	PACKING SET (Inc. 16, 18) ...	1
4	548575	PISTON, Bottom Half (See "B") ...	1	18	-----	§ADAPTER, Female — See 17 ...	2
5	-----	§RING, Piston Wear — See B ...	1	19	562700	GLAND, Packing ...	1
6	536835	NUT, Piston Rod — See Note "A" ...	1	20	2516953	SEAL, Piston Rod ...	1
7	-----	§ADAPTER — Male — See 8 ...	2	21	562701	RETAINER, Seal ...	1
8	-----	§PACKING ASSY (Inc 7, 9) — See B ...	1	22	-----	LOCKWIRE (16 ga. x 15") ...	2
9	-----	§ADAPTER, Female — See 8 ...	2	23	4C-616	BOLT, Packing Gland ...	4
10	548574	PISTON, Top Half — See B ...	1	24	12H-15	FITTING, Rod Grease ...	1
11	-----	§RING, Piston Wear — See B ...	1	25	567989	ROD ASSY, Piston (Inc. 26) ...	1
12	-----	§"O" RING, Piston Rod — See B ...	1	26	567994	BUSHING, Piston Rod ...	1

*NOTE: For replacement use 1509846 Cylinder Assembly.

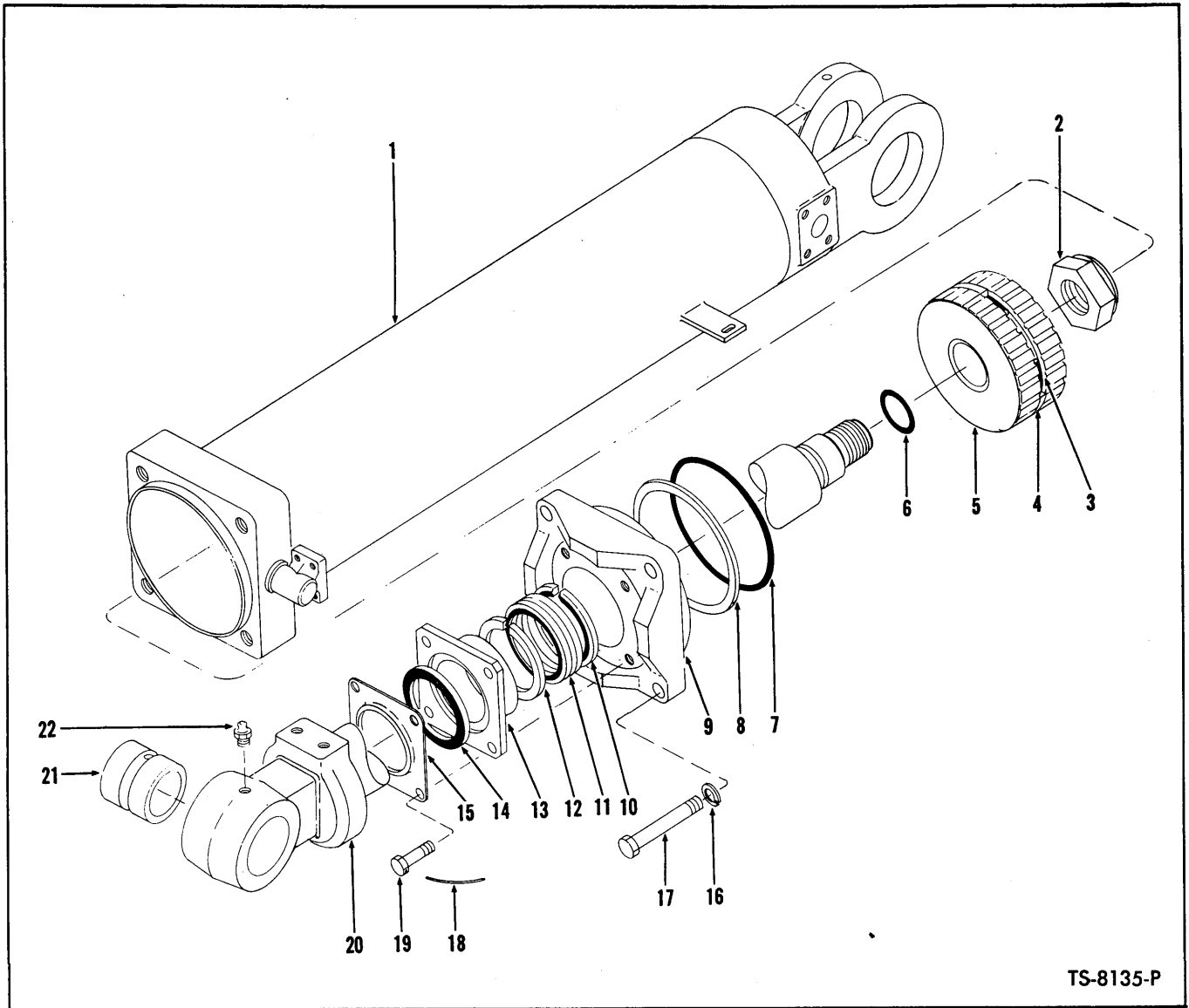
**NOTE: For replacement use 1509844 Cylinder plus 4—1509548 Cyl. Cap Bolts, 4—573929 Washers & 4—18D-10 Nuts.

NOTE "A": For replacement use 1535217 Nut plus 1—1F-848 Cotter Pin. Refer to Service Gram SG-276 Rev. for installation instructions.

NOTE "B": For replacement of either item 4 or 10 use 1503026 Piston plus 1—2516070 Kit.

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

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



TS-8135-P

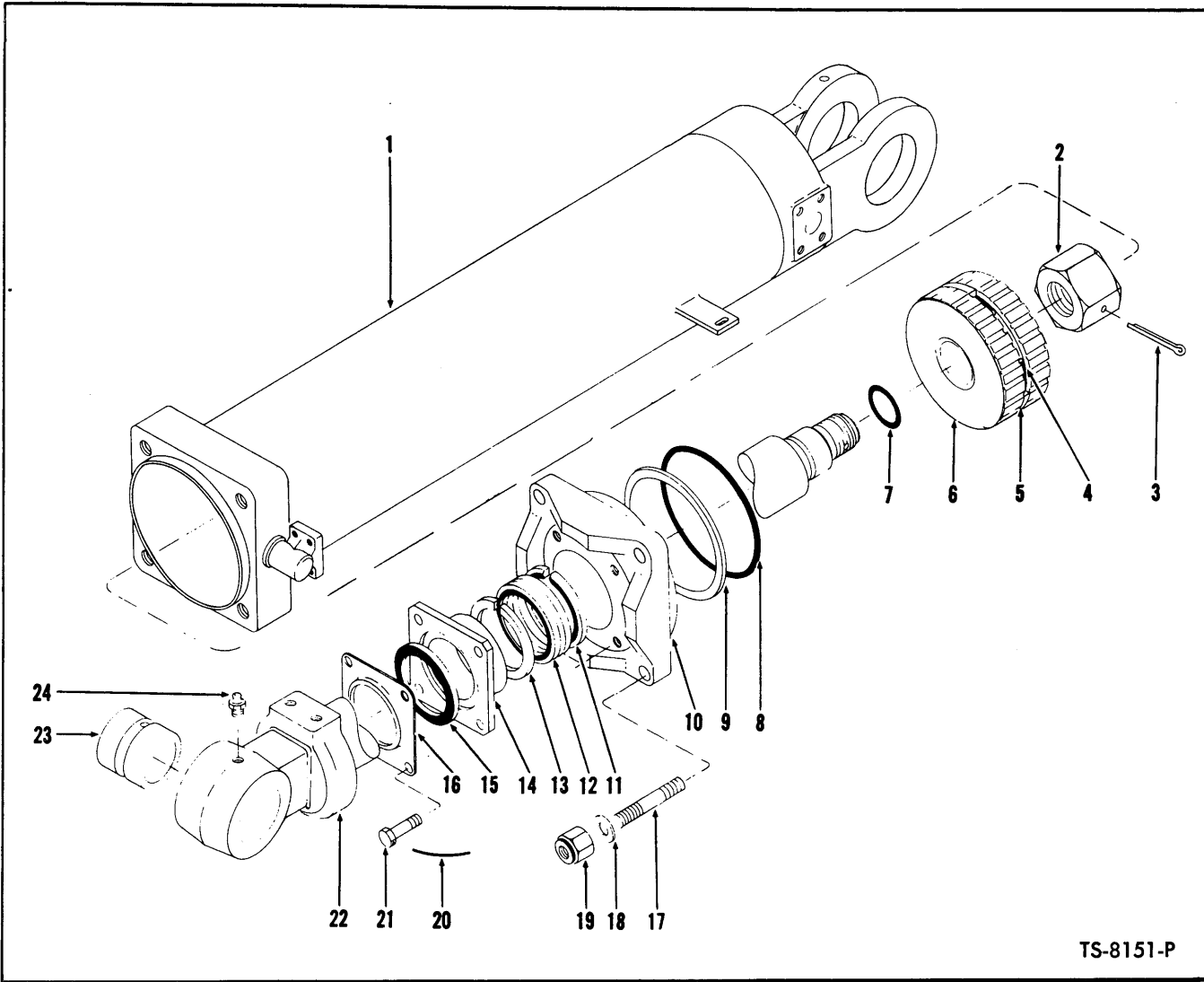
BUCKET CYLINDER ASSEMBLY — CUMMINS

For Serial: 10AFC101 thru 10AFC180

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1526262	*CYLINDER ASSY (Inc. 1 thru 21) . . .	1	10	---	§ADAPTER, Male — See 11	2
B	2516066	KIT (Inc. 3, 4, 6 thru 8, 10 thru 12, 14) See Note "C"	1	11	2501109	PACKING SET (Inc. 10, 12)	1
NOTE: 2 Cylinders used on machine — Quantities listed below are for 1 Cylinder				12	---	ADAPTER, Female — See 11	2
1	1526261	**CYLINDER	1	13	562700	GLAND, Packing	1
2	536835	NUT, Piston Rod — See Note "A"	1	14	2516953	SEAL, Piston Rod	1
3	---	§"O" RING, Piston — See B	1	15	562701	RETAINER, Seal	1
4	---	§RING, Piston Sealing — See B	1	16	4E-10	LKWSHR, Cylinder Cap	4
5	569985	PISTON, Cylinder — See Note "B"	1	17	18C-1040	BOLT, Cylinder Cap	4
6	---	§"O" RING, Piston Rod — See B	1	18	---	LOCKWIRE (16 ga. x 15" lg.)	2
7	---	§"O" RING, Cylinder Cap — See B	1	19	4C-616	BOLT, Packing Gland	4
8	---	§RING, Back-Up — See B	1	20	567989	ROD ASSY, Piston (Inc. 21)	1
9	945933	CAP, Cylinder (Inc. 7, 8)	1	21	567994	BUSHING, Piston Rod	1
				22	12H-15	FITTING, Piston Rod Grease	1

*NOTE: For replacement use 1509846 Cylinder Assy.
 **NOTE: For replacement use 1509844 plus 4—1509548 Bolts, 4—573929 Washers & 4—18D-10 Nuts.
 NOTE "A": For replacement use 1535217 plus 1—1F-848 Cotter. Refer to Service Gram SG-276 Rev. for installation instructions.
 NOTE "B": For replacement use 1503026 plus 1—2516070 Kit. NOTE "C": For reference see Service Gram S.G.-597A.

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



TS-8151-P

BUCKET CYLINDER ASSEMBLY
For Serial: Cummins — 10AFC181 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1533805	*CYLINDER ASSY (Inc. 1 thru 23)	1	11	-----	§ADAPTER, Male — See 12)	2
B	2516066	KIT (Inc. 3 thru 5, 7 thru 9, 11 thru 13, 15) See Note "C"	1	12	2501109	PACKING SET (Inc. 11, 13)	1
NOTE: 2 Cylinders used on machine — Quantities listed below are for 1 Cylinder				13	-----	§ADAPTER, Female — See 12	2
1	1533802	**CYLINDER	1	14	562700	GLAND, Packing	1
2	1535217	NUT, Piston Rod — See Note "B"	1	15	2516953	SEAL, Piston Rod	1
3	1F-848	COTTER, Piston Rod Nut	1	16	562701	RETAINER, Seal	1
4	-----	§"O" RING, Piston — See B	1	17	1533801	STUD, Cylinder Cap	4
5	-----	§RING, Piston Sealing — See B	1	18	573929	WASHER, Cylinder Cap	4
6	569985	PISTON, Cylinder — See Note "A"	1	19	18D-10	NUT, Cylinder Cap	4
7	-----	§"O" RING, Piston Rod — See B	1	20	-----	LOCKWIRE (16 ga. x 15" lg.)	2
8	-----	§"O" RING, Cylinder Cap — See B	1	21	4C-616	BOLT, Packing Gland	4
9	-----	§RING, Back-Up — See B	1	22	567989	ROD ASSY, Piston (Inc. 23)	1
10	945933	§CAP, Cylinder (Inc. 8, 9)	1	23	567994	BUSHING, Piston Rod	1
				24	12H-15	FITTING, Piston Rod Grease	1

*NOTE: For replacement use 1509846 Cylinder Assy.

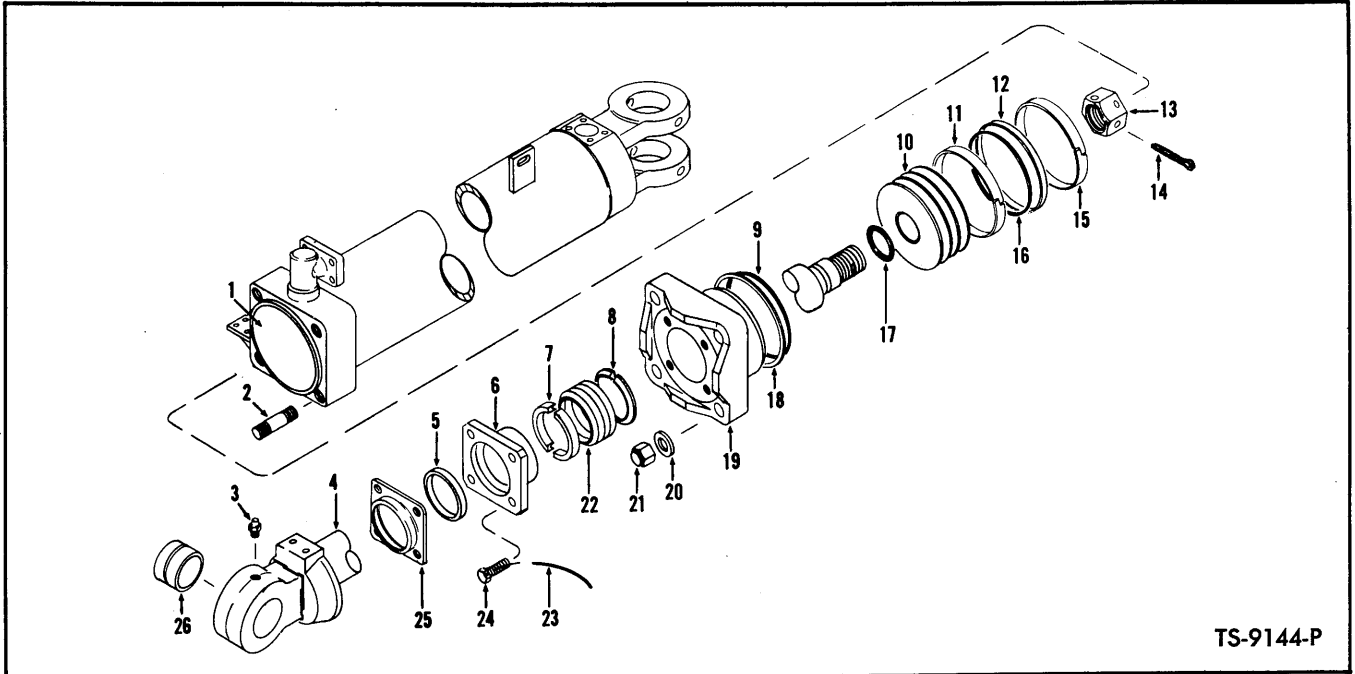
**NOTE: For replacement use 1509844 Cylinder plus 4-1509548 Bolts, 4-573929 Washers & 4-18D-10 Nuts.

NOTE "A": For replacement use 1503026 plus 1-2516070 Kit.

NOTE "B": For replacement use 1514622 Nut plus 1-1F-860 Cotter.

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

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



TS-9144-P

BUCKET CYLINDER ASSEMBLY
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

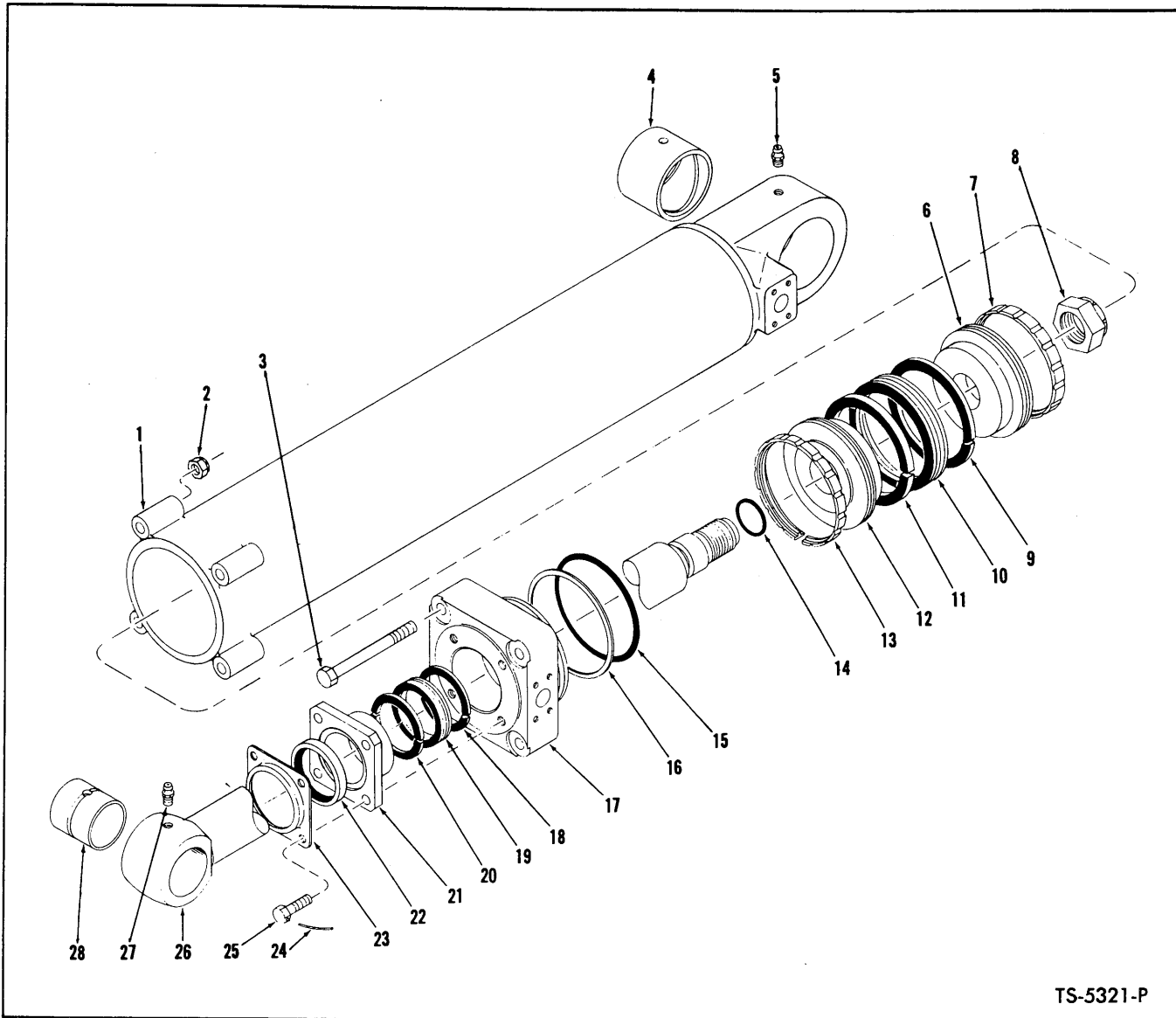
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1509846	CYLINDER ASSY (Inc. 1, 2, 4 thru 26)	2	12	---	§ RING, Piston Outer Seal — See B	1
B	2516070	KIT (Inc. 5, 7 thru 9, 11, 12, 14 thru 18, 22) See Note "B"	1	13	1535217	NUT, Piston Rod (See Note A)	1
<p align="center">NOTE: Two (2) Cylinders used per machine — Quantities listed below are for one (1) Cylinder only.</p>				14	1F-848	COTTER, Piston Rod Nut	1
1	1533802	*CYLINDER	1	15	---	§ RING, Piston Wear — See B	1
2	1533801	**STUD, Cylinder Cap	4	16	---	§ RING, Piston Inner Seal — See B	1
3	12H-15	FITTING, Rod Grease	1	17	---	§ O-RING, Piston Rod — See B	1
4	567989	ROD, Piston (Inc. 26)	1	18	---	§ RING, Back-Up — See B	1
5	2516953	SEAL, Piston Rod	1	19	567996	CAP, Cylinder (Inc. 9, 18)	1
6	562700	GLAND, Packing	1	20	573929	WASHER, Cylinder Cap	4
7	---	§ ADAPTER, Female — See 22	2	21	18D-10	NUT, Cylinder Cap	4
8	---	§ ADAPTER, Male — See 22	2	22	2501109	PACKING SET (Inc. 7, 8)	1
9	---	§ O-RING, Cap — See B	1	23	---	LOCKWIRE (16 ga. x 15" lg.)	2
10	1503026	PISTON	1	24	4C-616	BOLT, Seal Retainer	4
11	---	§ RING, Piston Wear — See B	1	25	562701	RETAINER, Seal	1
				26	567994	BUSHING, Piston Rod	1

*NOTE: For replacement of 1533802 Cylinder use 1509844 plus 4 #1509548 Bolts. Follow steps 4 & 5 of Procedure below.
 **NOTE: If replacement becomes necessary for 1533801 Studs use 4 #1509548 Bolts and follow replacement procedure below.
 Important — Replace in sets of four (4) only.
 NOTE "A": For replacement use 1514622 Nut plus 1-1F-860 Cotter. NOTE "B": For reference see Service Gram S.G.-597A.

PROCEDURE

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

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



TS-5321-P

BOOM CYLINDER ASSEMBLY — CUMMINS

For Serial: 7AFC101 thru 9AFC999

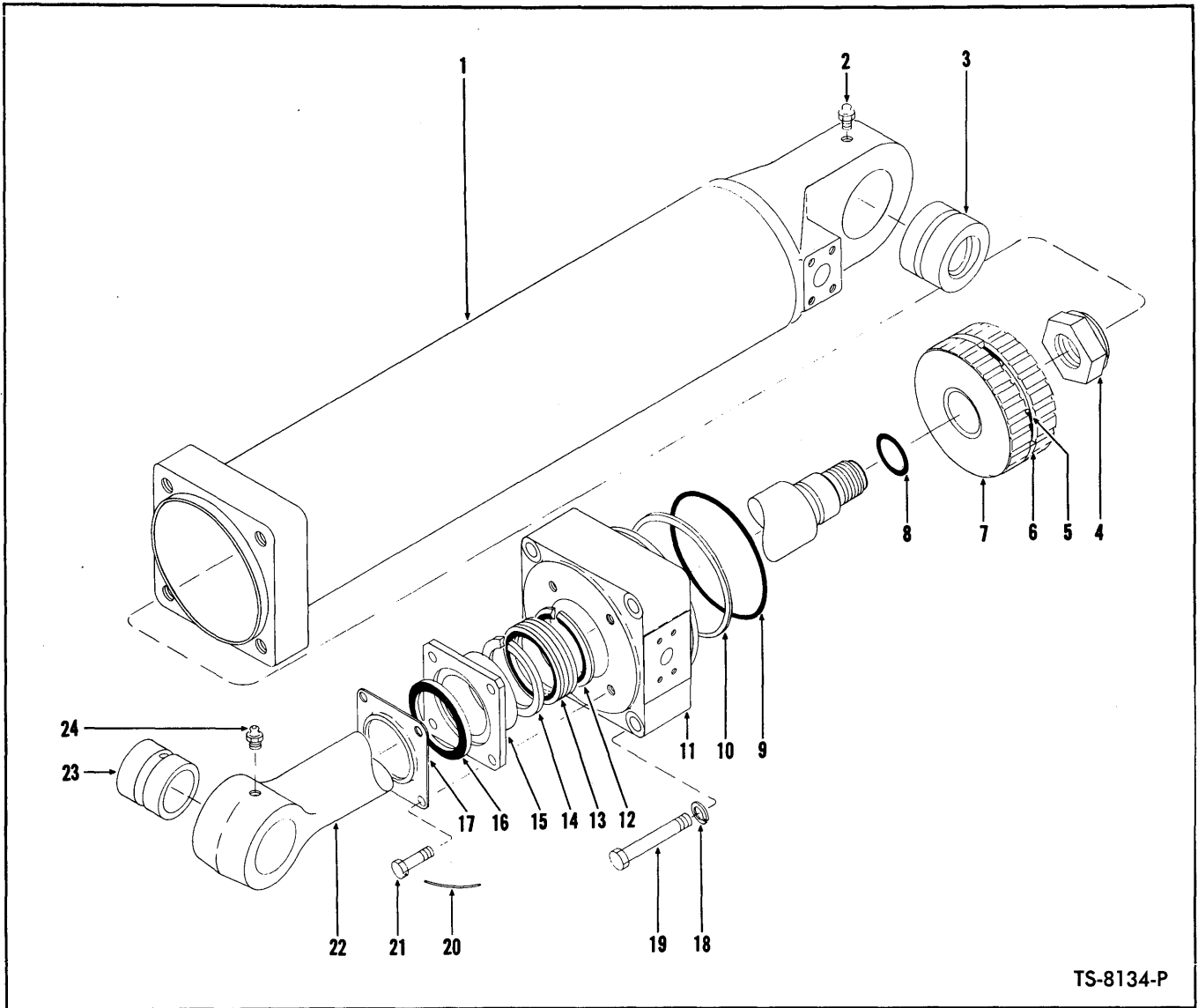
2 Cylinders used on machine — Quantities listed below are for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	565930	**CYLINDER ASSY (Inc. 1 thru 28) . . .	1	14	-----	§"O" RING, Piston Rod — See B	1
B	2516062	KIT (Inc. 7, 9 thru 11, 13 thru 16, 18 thru 20, 22) See Note "A"	1	15	-----	§"O" RING, Cylinder Cap — See B	1
1	565931	*CYLINDER (Inc. 4)	1	16	-----	§RING, "O" Ring Back-Up — See B	1
2	18D-10	NUT, Cylinder Cap	4	17	945932	CAP, Cylinder (Inc. 15, 16)	1
3	18C-1096	BOLT, Cylinder Cap	4	18	-----	§ADAPTER, Male — See 19	2
4	1522814	BUSHING, Cylinder	4	19	2501108	PACKING SET (Inc. 18, 20)	1
5	10H-25	FITTING, Cylinder Grease	1	20	-----	§ADAPTER, Female — See 19	2
6	541749	PISTON, Bottom Half	1	21	527812	GLAND, Packing	1
7	-----	§RING, Piston Wear — See B	1	22	2516950	SEAL, Piston Rod	1
8	1520467	NUT, Piston Rod	1	23	522617	RETAINER, Seal	1
9	-----	§ADAPTER — See 10	—	24	-----	LOCKWIRE (16 ga. x 31")	2
10	-----	§PACKING ASSY (Inc. 9, 11) See B	1	25	3C-818	BOLT, Packing Gland	4
11	-----	§ADAPTER — See 10	—	26	556058	ROD, Piston (Inc. 28)	1
12	541748	PISTON, Top Half	1	27	10H-25	FITTING, Piston Rod Grease	1
13	-----	§RING, Piston Wear — See B	1	28	556060	BUSHING, Piston Rod	1

§Not Sold Separately

*NOTE: For replacement, use 1526317 Cylinder plus 4—18C-1064 Bolt and 4—4E-10 Lkwshr. 1526317 includes 1—1522814 Bushing.

**NOTE: For replacement use 1503235 Cylinder Assembly. NOTE "A": For reference see Service Gram S.G.-597A.



TS-8134-P

BOOM CYLINDER ASSEMBLY
For Serial: Cummins — 10AFC101 thru 11AFC999
G.M. — 11AFG101 thru 11AFG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1526219	*CYLINDER ASSY (Inc. 1, 3 thru 230)	1	9	-----	§"O" RING, Cylinder Cap — See B	1
B	2516063	KIT (Inc. 5, 6, 8 thru 10, 12 thru 14, 16) See Note "A"	1	10	-----	§RING, Back-Up — See B	1
NOTE: 2 Cylinders used on machine — Quantities listed below are for 1 Cylinder				11	565934	CAP, Cylinder	1
1	1526317	CYLINDER (Inc. 3)	1	12	-----	§ADAPTER, Male — See 13	2
2	10H-25	FITTING, Cylinder Grease	1	13	2501108	PACKING SET (Inc. 12, 14)	1
3	1522814	BUSHING, Cylinder	1	14	-----	§ADAPTER, Female — See 13)	2
4	-----	NUT, Piston Rod	1	15	527812	GLAND, Packing	1
4A	1520467	For Serial Group "A"	1	16	2516950	SEAL, Piston Rod	1
4B	1514650	For Serial Group "B"	1	17	522617	RETAINER, Seal	1
4C	1F-1068	†COTTER — For Serial Group "B"	1	18	4E-10	LKWHR, Cylinder Cap	4
5	-----	§"O" RING, Piston — See B	1	19	18C-1064	BOLT, Cylinder Cap	4
6	-----	§RING, Piston Sealing — See B	1	20	-----	LOCKWIRE (16 ga. x 31" lg.)	2
7	569993	*PISTON, Cylinder	1	21	3C-818	BOLT, Packing Gland	4
8	-----	§"O" RING, Piston Rod — See B	1	22	556058	ROD ASSY, Piston (Inc. 23)	1
				23	556060	BUSHING, Piston Rod	1
				24	10H-25	FITTING, Piston Rod Grease	1

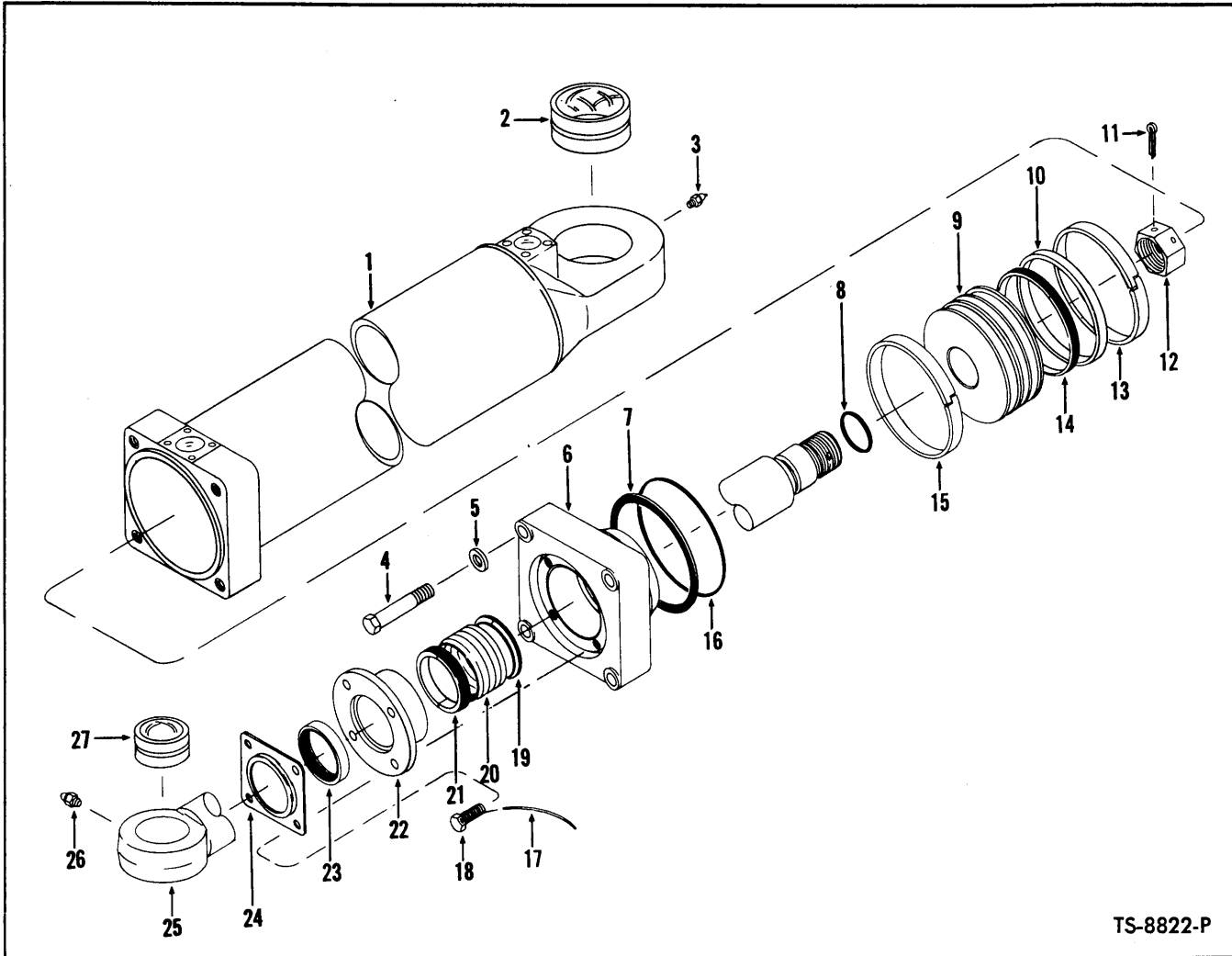
*NOTE: For complete replacement use 1503235 Cylinder Assy.
 **NOTE: For replacement use 1502846 Piston plus 1—2516065 Kit.
 †Not Illustrated

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

Serial Group A: Cummins — 10AFC101 thru 10AFC999

Serial Group B: Cummins — 11AFC101 thru 11AFC999. G.M. — 11AFG101 thru 11AFG999.

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

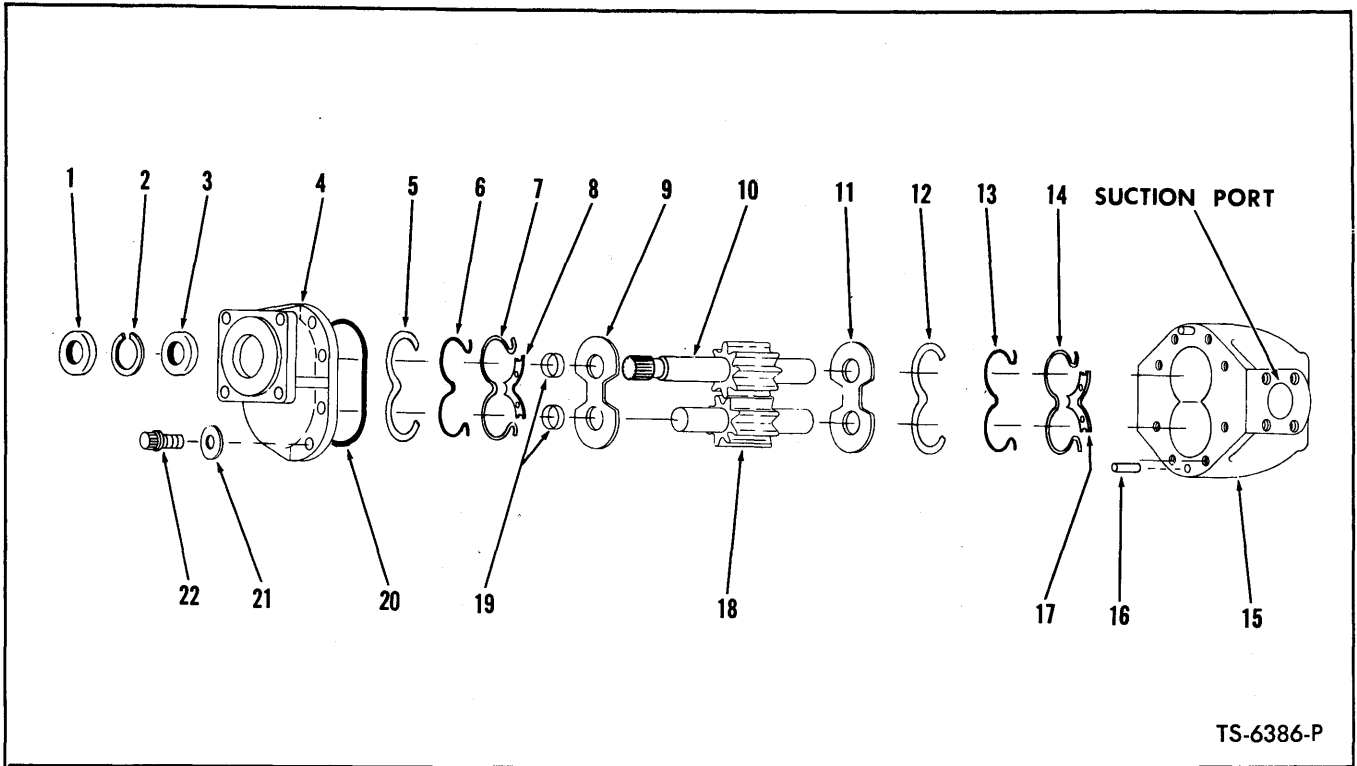


TS-8822-P

CYLINDER ASSEMBLY — BOOM
For Serial: Cummins — 12AFC101 and after
G.M. — 12AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1503235	CYLINDER ASSY (Inc. 1 thru 27) . . .	2	12	1535218	*NUT, Piston Rod	1
B	2516065	**KIT (Inc. 7, 8, 10, 11, 13 thru 16, 19 thru 21, 23)	1	13	-----	§RING, Piston Wear — See B	1
NOTE: 2 Cylinders used on machine — Quantities listed below are for 1 Cylinder				14	-----	§RING, Piston Inner Seal — See B	1
1	1526317	CYLINDER (Inc. 2)	1	15	-----	§RING, Piston Wear — See B	1
2	1522814	BUSHING, Cylinder	1	16	-----	§"O" RING, Cap — See B	1
3	10H-25	FITTING, Cylinder Grease	1	17	-----	LOCKWIRE (16 ga. x 31" lg.)	1
4	24C-1064	BOLT, Cylinder Cap	4	18	3C-818	BOLT, Seal Retainer	4
5	4E-10	LKWSHR, Cylinder Cap	4	19	-----	§ADAPTER, Male — See 20	2
6	565934	CAP, Cylinder	1	20	2501108	PACKING ASSY (Inc. 19, 21)	1
7	-----	§RING, Back-Up — See B	1	21	-----	§ADAPTER, Female — See 20	2
8	-----	§"O" RING, Piston Rod — See B	1	22	527812	GLAND, Packing	1
9	1502846	PISTON	1	23	2516950	SEAL, Piston Rod	1
10	-----	§RING, Piston Outer Seal — See B	1	24	522617	RETAINER, Seal	1
11	1F-852	COTTER, Piston Rod Nut	1	25	556058	ROD, Piston (Inc. 27)	1
				26	10H-25	FITTING, Rod Grease	1
				27	556060	BUSHING, Piston Rod	1

*NOTE: For replacement use 1514650 Nut plus 1—1F-1068 Cotter Pin
 **NOTE: For reference see Service Gram S.G.-597A.



TS-6386-P

HYDRAULIC PUMP – BUCKET AND BOOM

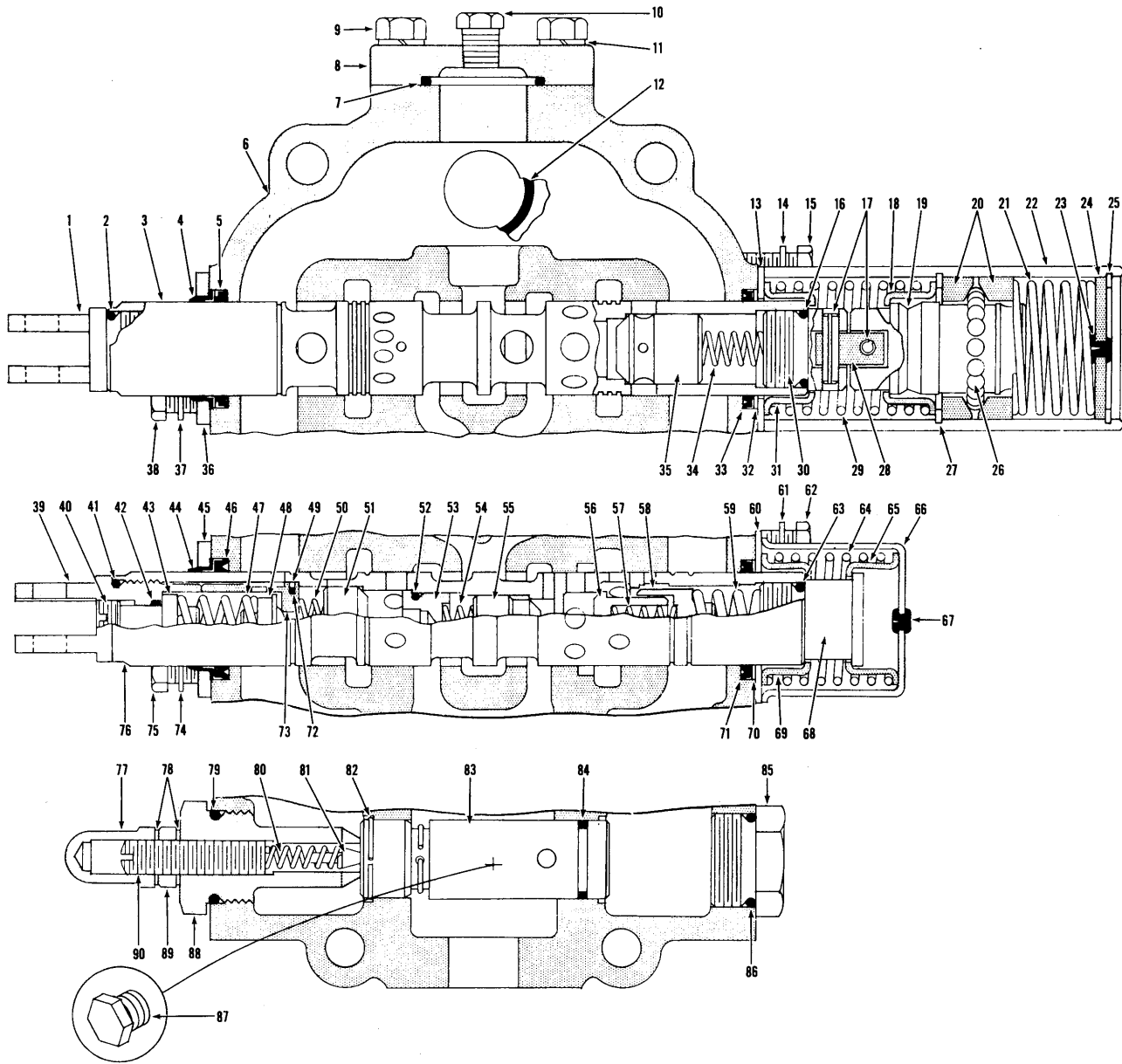
Item No.	Part No.	Description	No. Req'd.
A	573924	PUMP ASSY (Inc. 1 thru 22)	1
B	946257	SEAL KIT (Inc. 1, 2, 3, 6, 7, 13, 14, 20)	1
C	946258	REPAIR KIT, Major (Inc. 1, 2, 3, 5 thru 14, 16 thru 22)	1
1	946099	SEAL, Oil – See "B" or "C"	1
2	946205	SPACER, Oil Seal	1
3	946099	SEAL, Oil	1
4	946260	FLANGE, Cover	1
5	947275	RETAINER, Ring	1
6	----	§ O-RING – See "B" or "C"	1
7	----	§ RING, Back-Up – See "B" or "C"	1
8	----	§ PLATE, Isolation – See "C"	1
9	----	§ PLATE, Pressure – See "C"	1
10	----	§ GEAR, Drive – See "C"	1
11	----	§ PLATE, Pressure – See "C"	1
12	947275	RETAINER, Ring	1
13	----	§ O-RING – See "B" or "C"	1
14	----	§ RING, Back-Up – See "B" or "C"	1
15	946259	BODY	1
16	946100	PIN, Body	2
17	----	§ PLATE, Isolation – See "C"	1
18	----	§ GEAR, Driven – See "C"	1
19	----	§ RING, Spacer – See "C"	2
20	----	§ O-RING – See "B" or "C"	1
21	946271	WASHER	8
22	17C-820	BOLT, Flange	8
23	571511	†STUD, Pump to Converter	4
24	62D-08	†NUT, Pump to Converter	4
25	552161	†GASKET, Pump to Converter	1
26	219413	†SLEEVE, Pump Drive	1
27	4E-08	†LKWSHR, Pump to Converter	4

§Not Sold Separately

†Not Illustrated

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

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



CONTROL VALVE ASSEMBLY – CUMMINS
For Serial: 7AFC101 thru 10AFC999

TS-7798-P

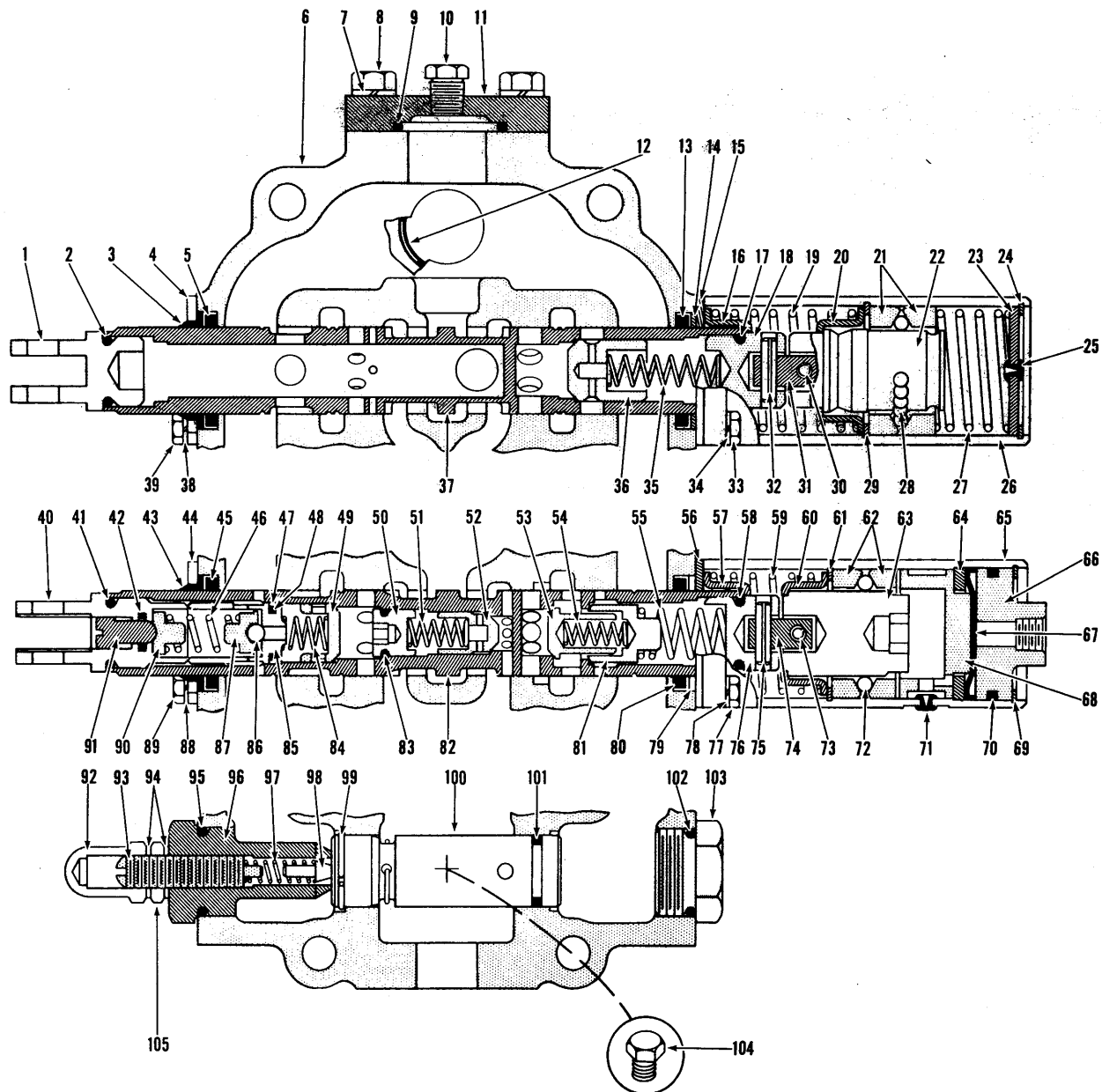
CONTROL VALVE ASSEMBLY — CUMMINS

For Serial: 7AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1520076	*VALVE ASSY, Control (Inc. 1 thru 90)	1	46	946584	SEAL, Plunger Oil	1
1	946265	EYE, Plunger	1	47	946118	SPRING, Check	1
2	25K-40028	"O" RING, Plunger Eye	1	48	946119	CHECK	1
3	-----	§PLUNGER, Operating — See "A"	—	49	946120	RING, Back-Up	1
4	946638	WIPER, Plunger	1	50	946122	SPRING, Check	1
5	946584	SEAL, Plunger Oil	1	51	946428	CHECK	1
6	-----	§HOUSING, Valve — See "A"	—	52	25K-30018	"O" RING, Cap	1
7	25K-40112	"O" RING, Cover	1	53	946429	CAP	1
8	946382	COVER, Valve	1	54	946430	SPRING, Check	1
9	1C-720	BOLT, Cover to Valve	4	55	940064	CHECK	1
10	40K-04	PLUG, Valve Cover Pipe	1	56	946431	CHECK	1
11	4E-07	LKWSHR, Cover to Valve	4	57	958218	SPRING, Check	1
12	25K-40112	"O" RING, Valve Mounting	1	58	946432	CHECK	1
13	946427	PLATE, Seal Retaining	1	59	946433	SPRING, Check	1
14	4E-04	LKWSHR, Cover to Housing	4	60	946427	PLATE, Seal Retaining	1
15	1C-416	BOLT, Cover to Housing	4	61	4E-04	LKWSHR, Cover to Housing	4
16	25K-40028	"O" RING, Plunger Cap	1	62	1C-410	BOLT, Cover to Housing	4
17	302602	ROLL PIN	2	63	25K-40028	"O" RING, Cap	1
18	888302	GUIDE, Spring	1	64	888303	SPRING, Detent	1
19	945865	CAP, Detent	1	65	888302	GUIDE, Spring	1
20	945258	RETAINER, Ball	2	66	888298	COVER, Detent	1
21	945863	SPRING	1	67	886745	PLUG, Bleeder	1
22	945257	COVER, Detent	1	68	946434	CAP, Plunger	1
23	886763	PLUG, Bleeder	1	69	888302	GUIDE, Spring	1
24	945074	PLUG, Detent Cover	1	70	888296	RING, Back-up	1
25	661389	RING, Plug Retaining	1	71	946584	SEAL, Plunger Oil	1
26	10J-08	BALL	17	72	25K-20024	"O" RING, Seat	1
27	1302111	RING, Retaining	1	73	946121	SEAT, Relief	1
28	944148	PIN	1	74	4E-04	LKWSHR, Retainer to Housing	2
29	945068	SPRING	1	75	1C-410	BOLT, Retainer to Housing	2
30	945067	CAP, Plunger	1	76	-----	§PLUNGER, Operating — See "A"	—
31	888302	GUIDE, Spring	1	77	944853	NUT, Acorn	1
32	888296	RING, Back-Up	1	78	613750	WASHER, Jam Nut	2
33	946584	SEAL, Plunger Oil	1	79	25K-40104	"O" RING, Cap	1
34	940166	SPRING, Check	1	80	886753	SPRING, Poppet	1
35	941463	CHECK	1	81	886739	POPPET, Relief	1
36	946637	PLATE, Wiper & Seal Retaining	1	82	945081	RING, Relief Valve Retaining	1
37	4E-04	LKWSHR, Retainer to Housing	2	83	945868	VALVE ASSY, Relief (Inc. 82, 84)	1
38	1C-410	BOLT, Retainer to Housing	2	84	58K-022	"O" RING, Relief Valve	1
39	946124	EYE, Plunger	1	85	888294	CAP	1
40	946126	SCREW, Adjusting	1	86	25K-40104	"O" RING, Cap	1
41	25K-40028	"O" RING, Plunger Eye Outer	1	87	40K-04	PLUG, Pipe	1
42	25K-20012	"O" RING, Plunger Eye Inner	1	88	945870	CAP, Adjusting	1
43	946117	GUIDE, Spring	1	89	8D-08	NUT, Jam	1
44	946638	WIPER, Plunger	1	90	944855	SCREW, Adjusting	1
45	946637	PLATE, Wiper & Seal Retaining	1				

*NOTE: For complete replacement use 1510475 Valve Assy.
§Not Sold Separately.

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



CONTROL VALVE ASSEMBLY
For Serial: Cummins - 11AFC101 & after. G.M. - 11AFG101 & after

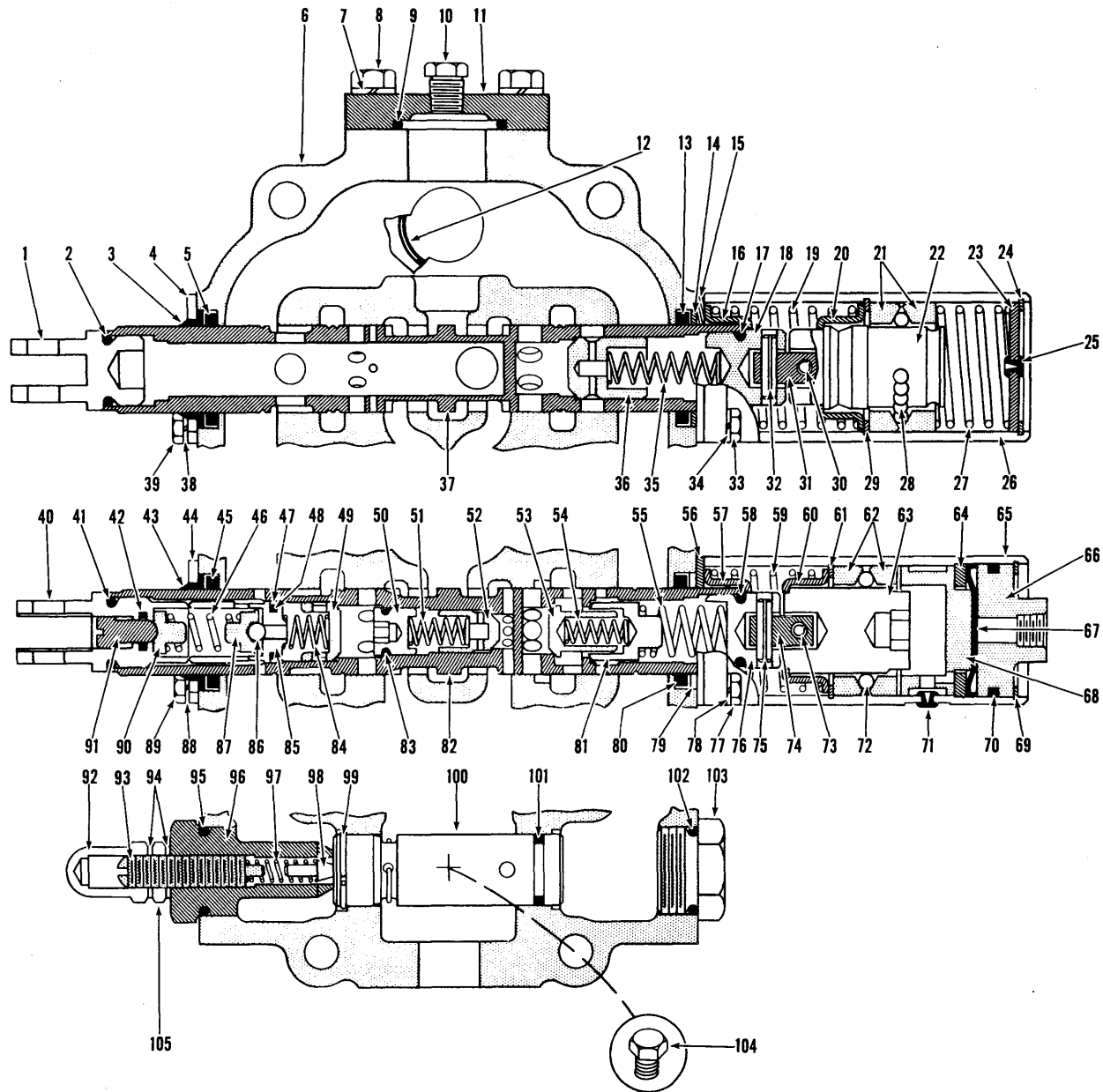
TS-8796-P

CONTROL VALVE ASSEMBLY (Continued)
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1536236	*VALVE ASSY (Inc. 1 thru 105)	1	36	941463	CHECK, Spring	1
1	946265	EYE, Plunger	1	37	—	§PLUNGER — See Item "A"	—
2	25K-40028	O-RING, Plunger Eye	1	38	4E-04	LKWSHR, Ret. to Hsg.	2
3	946638	WIPER, Plunger	1	39	1C-410	BOLT, Ret. to Hsg.	2
4	946637	PLATE, Retaining	1	40	946124	EYE, Plunger	1
5	946584	SEAL, Plunger	1	41	25K-40028	O-RING, Plunger Eye	1
6	—	§HOUSING — See Item "A"	—	42	58K-012	O-RING, Adjusting Screw	1
7	4E-07	LKWSHR, Cover Mtg.	4	43	946638	WIPER, Plunger	1
8	1C-720	BOLT, Cover Mtg.	4	44	946637	PLATE, Retaining	1
9	58K-222	O-RING, Cover	1	45	946584	SEAL, Plunger	1
10	40K-04	PLUG, Cover	1	46	946118	SPRING, Guide	1
11	946382	COVER, Valve	1	47	946120	SEAL, Valve Seat	1
12	58K-222	O-RING, Valve Adapter	1	48	25K-20024	O-RING, Valve Seat	1
13	946584	SEAL, Plunger	1	49	946428	CHECK, Spring	1
14	888296	RING, Back-Up	1	50	946429	CAP, Spring	1
15	946427	PLATE, Retaining	1	51	946430	SPRING, Check	1
16	888302	GUIDE, Spring	1	52	940064	CHECK, Spring	1
17	25K-40028	O-RING, Cap	1	53	946431	CHECK, Spring	1
18	945067	CAP, Plunger	1	54	946813	SPRING, Check	1
19	945068	SPRING, Guide	1	55	946433	SPRING, Check	1
20	888302	GUIDE, Spring	1	56	946427	PLATE, Retaining	1
21	945258	RETAINER, Ball	2	57	888302	GUIDE, Spring	1
22	945865	CAP, Plunger	1	58	25K-40028	O-RING, Cap	1
23	945074	PLUG, End	1	59	888303	SPRING, Guide	1
24	661389	RING, Retaining	1	60	888302	GUIDE, Spring	1
25	886763	PLUG, Bleeder	1	61	1302111	RING, Retaining	1
26	945257	COVER, Detent	1	62	945258	RETAINER, Ball	2
27	945863	SPRING, Cap	1	63	947238	CAP, Detent	1
28	10J-08	BALL	17	64	947232	SPACER, Plug	1
29	1302111	RING, Retaining	1	65	947230	COVER, Detent	1
30	302602	PIN, Roll	1	66	947231	PLUG, Cover	1
31	944148	PIN, Cap	1	67	947214	DIAPHRAGM	1
32	302602	PIN, Roll	1	68	947233	PLUG, Cover	1
33	1C-416	BOLT, Cover to Hsg.	4	69	661389	RING, Retaining	1
34	4E-04	LKWSHR, Cover to Hsg.	4	70	58K-225	O-RING, Plug	1
35	940166	SPRING, Check	1				

§Not Sold Separately
 *NOTE: For complete replacement use 1508790 Valve

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



CONTROL VALVE ASSEMBLY

For Serial: Cummins - 11AFC101 & after. G.M. - 11AFG101 & after

TS-8796-P



CONSTRUCTION MACHINERY DIVISION



CONTROL VALVE ASSEMBLY (Continued)
For Serial: Cummins - 11AFC101 and after
G.M. - 11AFG101 and after

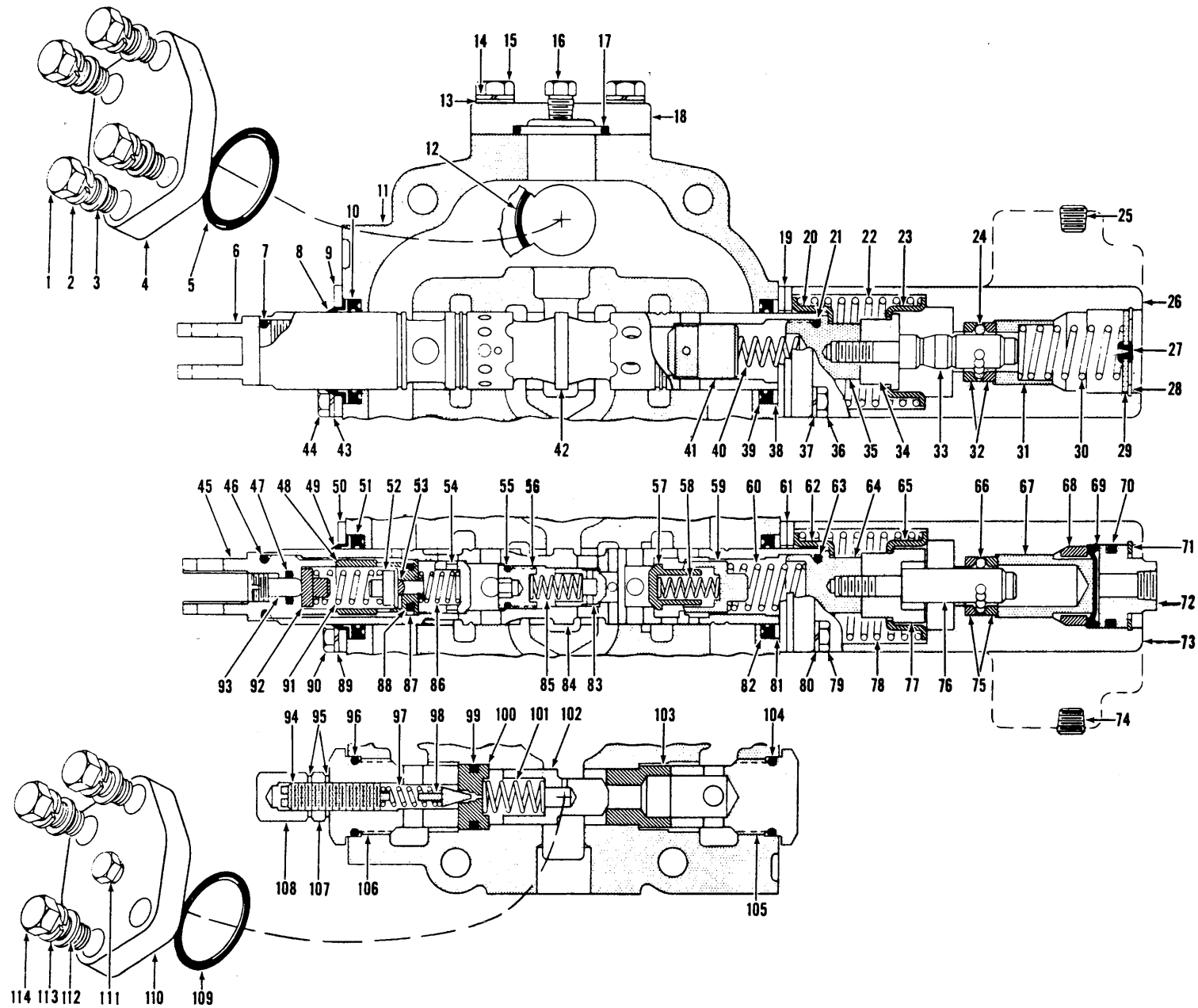
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various parts like PLUG, BALL, PIN, BOLT, RING, SEAL, CHECK, SPRINGER, O-RING, SPRING, SEAT, POPPET, LKWSHR, etc.

§Not Sold Separately

NOTES

Series of horizontal lines for writing notes.

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



CONTROL VALVE ASSEMBLY — SERVICE

TS-9050

182A.1

PM 2521

CONTROL VALVE ASSEMBLY – SERVICE

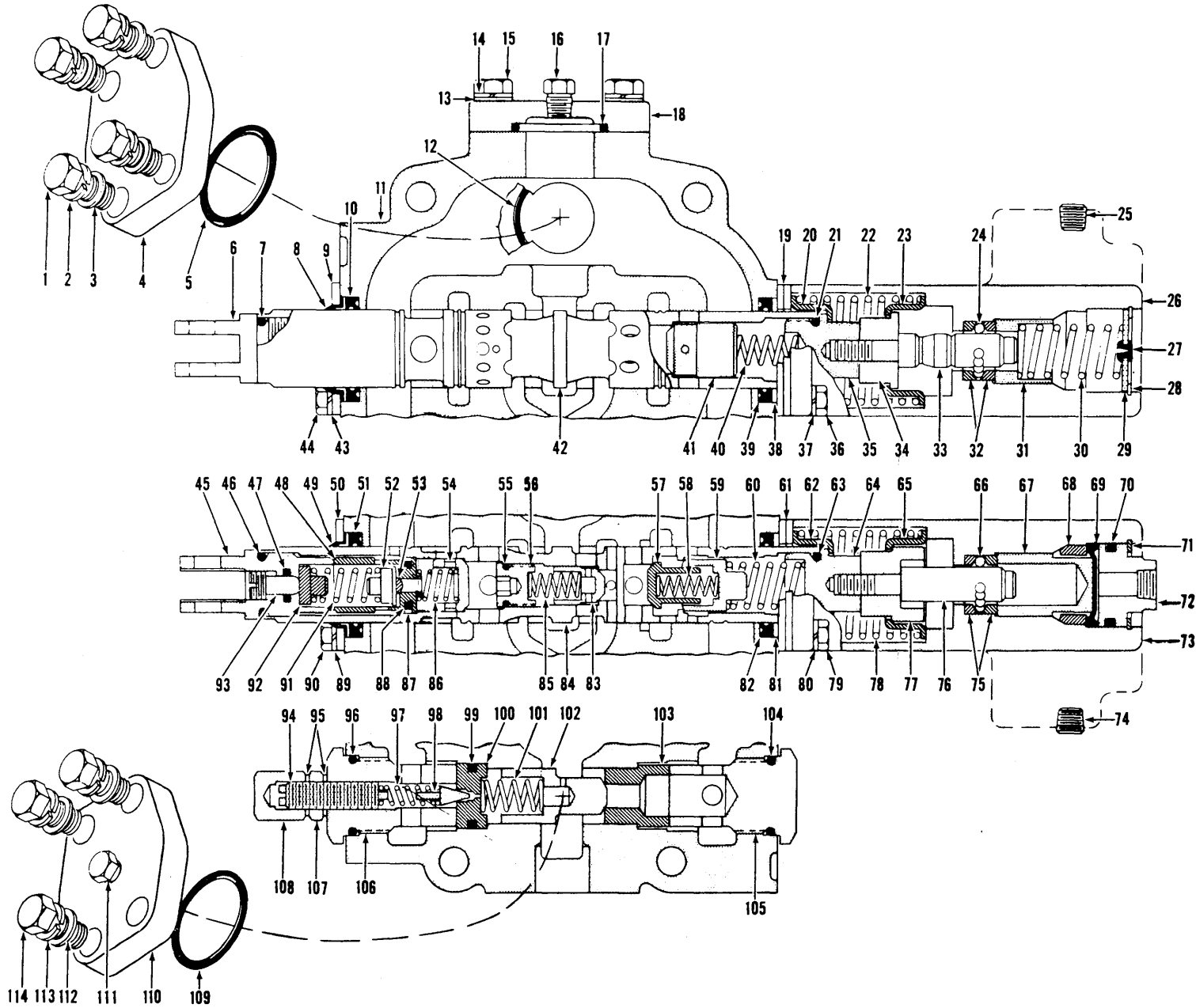
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1508790	* CONTROL VALVE (Inc. Items 1 thru 114)	1	29	947848	PLUG, Detent Cover	1
1	1C-724	BOLT, Cover to Housing	4	30	947852	SPRING	1
2	4E-07	LKWSHR, Cover to Housing ..	4	31	947842	GUIDE, Spring	1
3	867747	WASHER, Cover to Housing ..	4	32	947843	RETAINER, Ball	2
4	947864	COVER	1	32A	948388	†SLEEVE	1
5	58K-222	O-RING	1	33	947859	CAP, Detent	1
6	946265	EYE, Plunger	1	34	947862	SPACER	1
7	25K-40028	O-RING, Plunger Eye	1	35	947858	CAP, Plunger	1
8	946638	WIPER, Plunger	1	36	1C-420	BOLT, Cover to Housing	4
9	946637	PLATE, Wiper & Seal Retainer	1	37	4E-04	LKWSHR, Cover to Housing ..	4
10	946584	SEAL, Plunger Oil	1	38	888296	RING, Back-Up	1
11	-----	§HOUSING (See Item A)	—	39	946584	SEAL, Plunger Oil	1
12	58K-222	O-RING	1	40	958212	SPRING, Check	1
13	867747	WASHER, Cover to Housing ..	4	41	941463	CHECK	1
14	4E-07	LKWSHR, Cover to Housing ..	4	42	-----	§PLUNGER (See Item A)	—
15	1C-724	BOLT, Cover to Housing	4	43	4E-04	LKWSHR, Retainer to Housing	2
16	40K-04	PLUG, Pipe	1	44	1C-410	BOLT, Retainer to Housing ..	2
17	58K-222	O-RING	1	45	946124	EYE, Plunger	1
18	948276	COVER	1	46	25K-40028	O-RING, Plunger Eye	1
19	946427	PLATE, Seal Retainer	2	47	58K-012	O-RING	1
20	945066	GUIDE, Spring	1	48	946121	SEAT, Check	1
21	25K-40028	O-RING	1	49	946638	WIPER, Plunger	1
22	947857	SPRING, Plunger Return	1	50	946637	PLATE, Wiper & Seal Retainer	1
23	888302	GUIDE, Spring	1	51	946584	SEAL, Plunger Oil	1
24	10J-06	BALL	11	52	946119	CHECK (Inc. Item 53)	1
25	16F-04	PLUG, Pipe	1	53	-----	§BALL (See Item 52)	—
26	961252	COVER, Detent	1	54	946428	CHECK	1
27	948202	DIAPHRAGM	1	55	947237	O-RING	1
28	666542	RING, Detent Cover	1	56	946429	CAP, Plunger	1

*NOTE: For complete replacement use 1510475 Valve Assy.

†Not Illustrated

§Not Sold Separately

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



184A.1

PM 2521

CONTROL VALVE ASSEMBLY — SERVICE

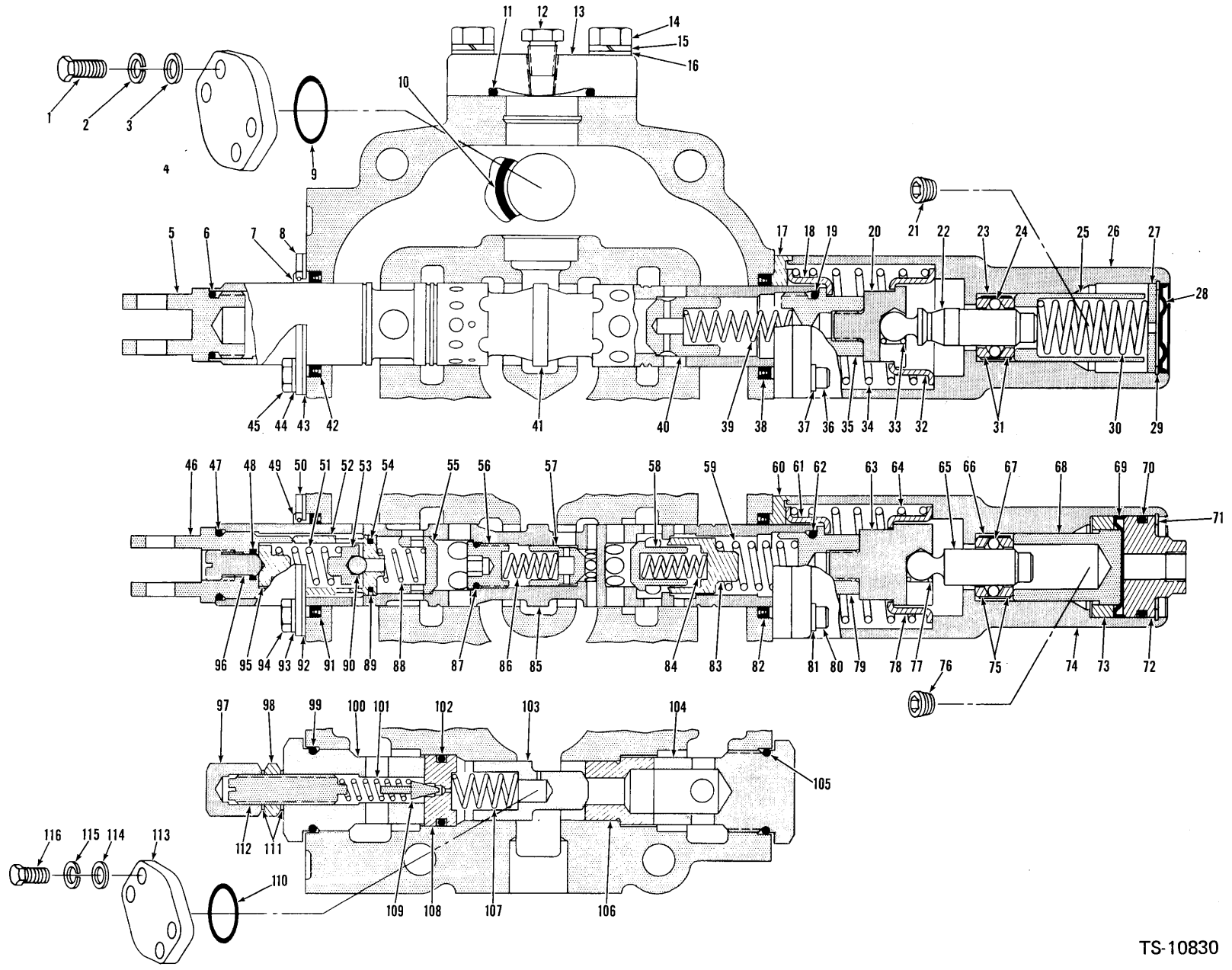
TS-9050

CONTROL VALVE ASSEMBLY — SERVICE (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
57	946431	CHECK	1	86	946809	SPRING, Check	1
58	946813	SPRING, Check	1	87	946120	RING, Teflon	1
59	946432	CHECK	1	88	25K-20024	SEAL, Check	1
60	946433	SPRING, Check	1	89	4E-04	LKWSHR, Retainer to Housing	2
61	946427	PLATE, Seal Retainer	2	90	1C-410	BOLT, Retainer to Housing	2
62	945066	GUIDE, Spring	1	91	946118	SPRING, Check	1
63	25K-40028	O-RING	1	92	946117	GUIDE, Spring	1
64	947855	CAP, Plunger	1	93	946126	SCREW, Adjusting	1
65	888302	GUIDE, Spring	1	94	944890	SCREW, Adjusting	1
66	10J-06	BALL	11	95	613750	WASHER, Jam Nut	2
67	948460	PISTON	1	96	25K-40104	O-RING	1
68	948459	SPACER	1	97	886753	SPRING, Poppet	1
69	946919	DIAPHRAGM	1	98	886739	POPPET, Relief	1
70	25K-40108	O-RING	1	99	25K-40030	O-RING	1
71	666542	RING, Retainer	1	100	947841	SEAT, Poppet	1
72	947340	PLUG	1	101	946805	SPRING, Check	1
73	961252	COVER, Detent	1	102	947844	CHECK	1
74	16F-04	PLUG, Pipe	1	103	947840	SEAT, Check	1
75	947843	RETAINER, Ball	2	104	25K-40104	O-RING	1
75A	948388	† SLEEVE	1	105	947845	CAP	1
76	947854	CAP, Detent	1	106	947846	CAP, Adjusting	1
77	947856	SPACER	1	107	8D-08	NUT, Jam	1
78	947857	SPRING, Plunger Return	1	108	49D-08	NUT, Acorn	1
79	1C-412	BOLT, Cover to Housing	4	109	58K-218	O-RING	1
80	4E-04	LKWSHR, Cover to Housing	4	110	947865	COVER	1
81	888296	RING, Back-Up	1	111	40K-04	PLUG, Pipe	1
82	946584	SEAL, Plunger Oil	1	112	946378	WASHER, Cover to Housing	4
83	940064	CHECK	1	113	4E-06	LKWSHR, Cover to Housing	4
84	-----	§ PLUNGER (See Item A)	—	114	1C-618	BOLT, Cover to Housing	4
85	946430	SPRING, Check	1				

†Not Illustrated
§Not Sold Separately

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



TS-10830



CONSTRUCTION MACHINERY DIVISION

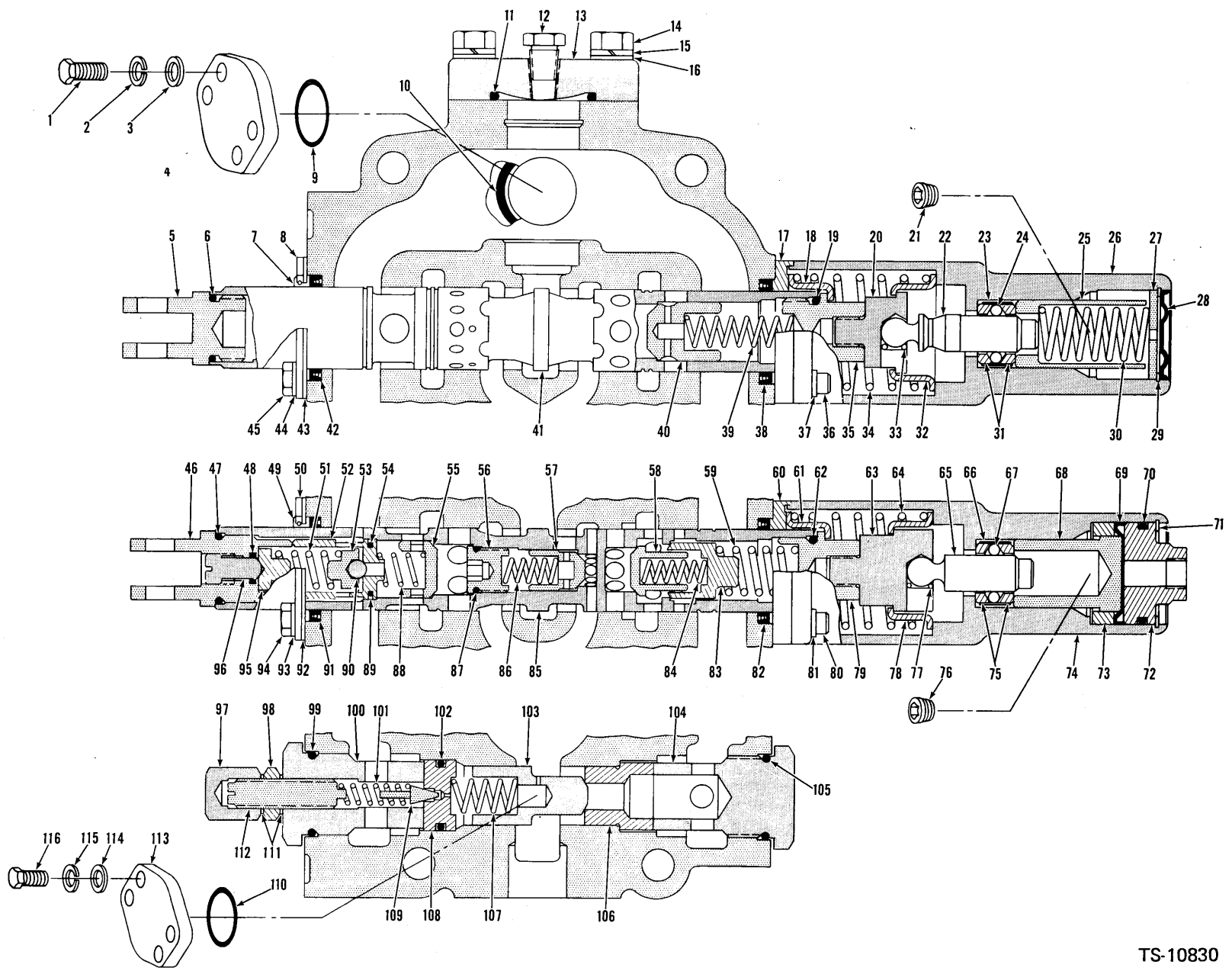


CONTROL VALVE ASSEMBLY (SERVICE)

Table with 4 columns: Item, Part No., Description, Qty. Lists various components like CONTROL VALVE ASSY, BOLT, LKWSHR, WASHER, COVER, EYE, O-RING, WIPER, PLATE, etc.

§Not Sold Separately

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



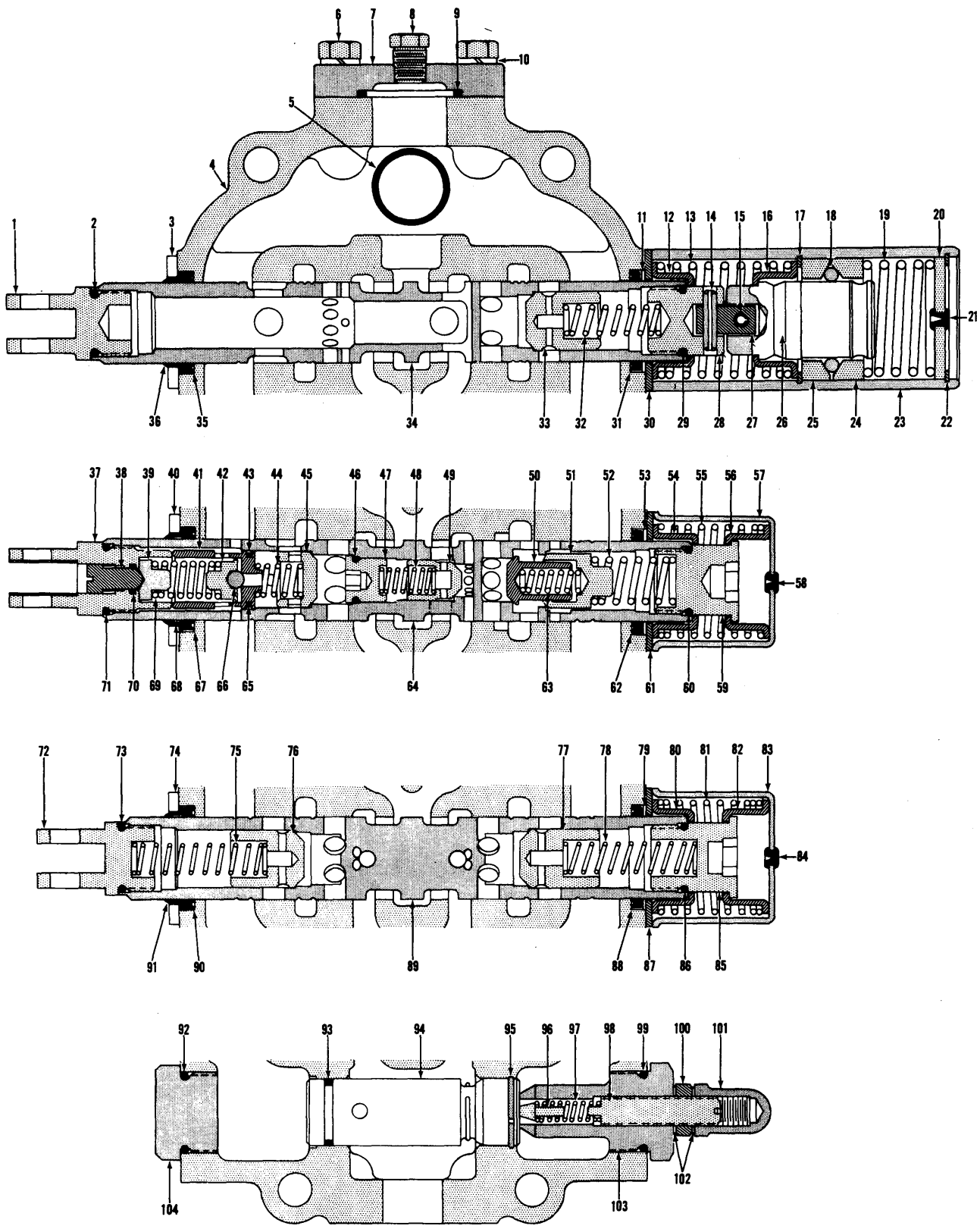
TS-10830

**CONTROL VALVE ASSEMBLY, Cont.
(SERVICE)**

Item	Part No.	Description	Qty.
57	940064	CHECK	1
58	946431	CHECK	1
59	946433	SPRING, Check	1
60	948717	PLATE, Seal Retainer	1
61	945066	RETAINER, Spring	1
62	25K-40028	O-RING, Cap	1
63	948733	SOCKET, Detent	1
64	945068	SPRING, Plunger Return	1
65	948722	PLUNGER, Detent	1
66	948727	SLEEVE, Ball	1
67	948730	BALL	11
68	948725	PISTON, Detent	1
69	948731	DIAPHRAGM	1
70	25K-40114	O-RING, Plug	1
71	948729	RING, Plug Retainer	1
72	948724	PLUG, Detent	1
73	948728	SPACER, Detent	1
74	948736	HOUSING, Detent	1
75	947843	RETAINER, Ball	2
76	16F-04	PLUG, Detent Housing	1
77	948726	RING, Plunger Retaining	1
78	888302	RETAINER, Spring	1
79	948738	CAP, Plunger	1
80	11G-420	SCREW, Detent to Housing	4
81	4E-04	LKWSHR, Detent to Housing	4
82	948950	SEAL, Plunger Oil	1
83	946432	CHECK	1
84	946813	SPRING, Check	1
85	-----	§ PLUNGER, Operating - See A	-
86	946430	SPRING, Check	1
87	25K-30018	O-RING, Cap	1
88	946118	SPRING, Check	1
89	946120	RING, Back-Up	1
90	-----	§ BALL, Poppet - See 53	-
91	948950	SEAL, Plunger Oil	1
92	888299	PLATE, Seal Retaining	1
93	4E-04	LKWSHR, Plate to Housing	4
94	1C-412	BOLT, Plate to Housing	4
95	946117	GUIDE, Spring	1
96	946126	SCREW, Adjusting	1
97	49D-08	NUT, Acorn	1
98	8D-08	NUT, Jam	1
99	25K-40104	O-RING, Cap	1
100	947846	CAP, Adjusting	1
101	886753	SPRING, Poppet	1
102	25K-40030	O-RING, Seat	1
103	947844	POPPET, Relief	1
104	947845	CAP	1
105	25K-40104	O-RING, Cap	1
106	947840	SEAT, Relief	1
107	946805	SPRING, Poppet	1
108	947841	SEAT, Poppet	1
109	886739	POPPET	1
110	58K-218	O-RING, Cover	1
111	613750	WASHER, Jam Nut	1
112	944890	SCREW, Adjusting	1
113	947865	COVER, Housing	1
114	946378	WASHER, Cover to Housing	4
115	4E-06	LKWSHR, Cover to Housing	4
116	1C-618	BOLT, Cover to Housing	4

§Not Sold Separately

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



THREE SPOOL CONTROL VALVE ASSEMBLY
For Serial: Cummins - 7AFC101 thru 10AFC 999

TS-8287-P

THREE SPOOL CONTROL VALVE ASSEMBLY

**For Machine Serials: Cummins – 7AFC101 thru 7AFC999, 8AFC101 thru 8AFC999,
9AFC101 thru 9AFC999, 10AFC101 thru 10AFC999**

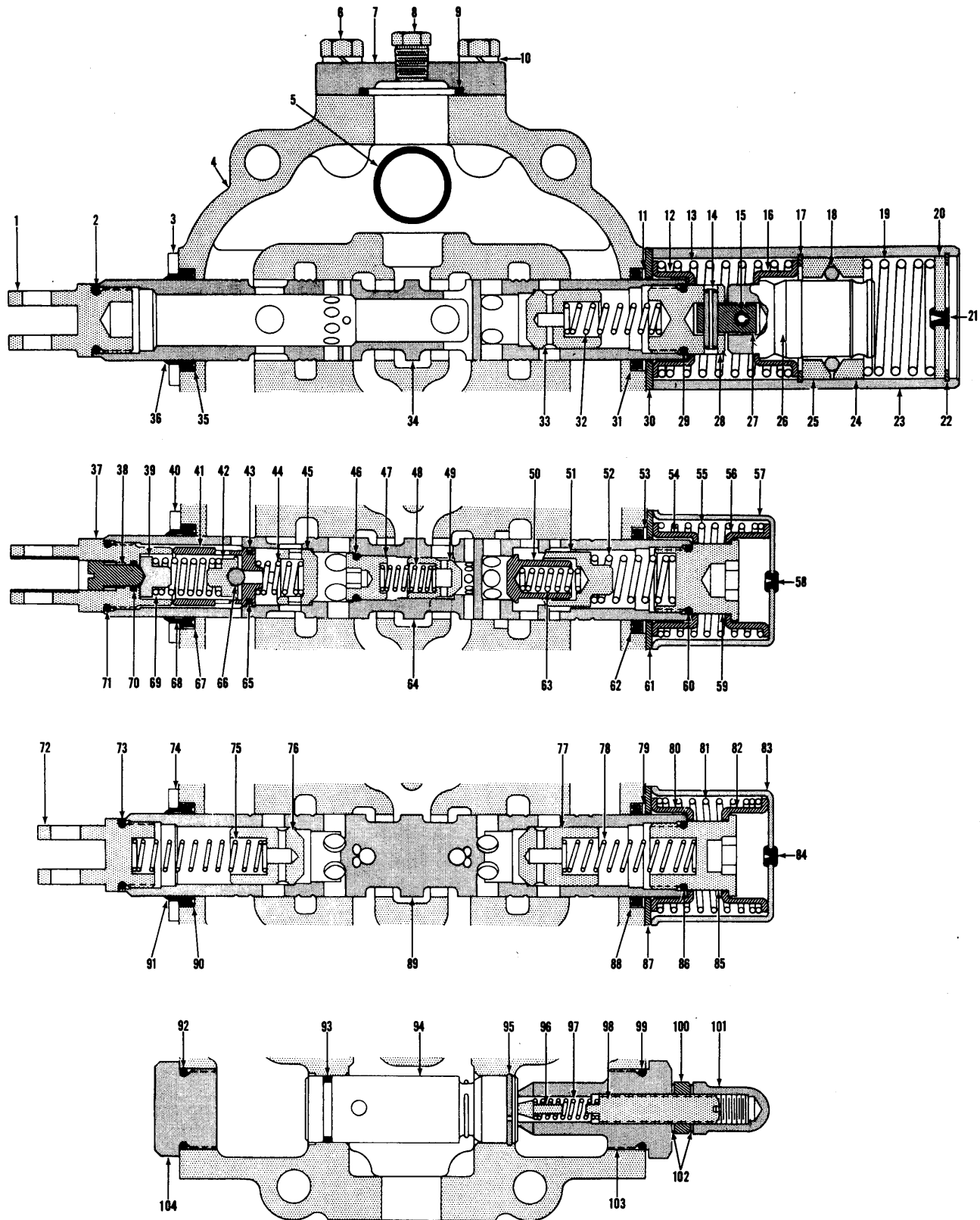
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1524213	*VALVE ASSY, Control (Inc. 1 thru 104)	1	35	946584	SEAL, Plunger Oil	1
1	946265	EYE, Plunger	1	36	946638	WIPER, Plunger	1
2	25K-40028	"O" RING, Plunger Eye	1	37	946124	EYE, Plunger	1
3	946637	PLATE, Wiper & Seal Retaining	1	38	946126	SCREW, Adjusting	1
3A	1C-410	†BOLT, Plate to Housing	2	39	946117	GUIDE, Spring	1
3B	4E-04	†LKWSHR, Plate to Housing	2	40	946637	PLATE, Wiper & Seal Retaining	1
4	-----	§HOUSING, Valve – See "A"	—	40A	1C-410	†BOLT, Retainer to Housing	2
4A	40K-04	†PLUG, Pipe	1	40B	4E-04	†LKWSHR, Retainer to Housing	2
5	58K-222	"O" RING, Valve Mounting	1	41	946121	SEAT, Check	1
6	1C-412	BOLT, Cover to Valve	4	42	946119	POPPET ASSY (Inc. 66)	1
7	946382	COVER, Valve	1	43	946120	RING, Back-Up	1
8	40K-04	PLUG, Valve Cover Pipe	1	44	946809	SPRING, Check	1
9	58K-222	"O" RING, Cover to Housing	1	45	946428	CHECK	1
10	4E-07	LKWSHR, Cover to Valve	4	46	25K-30018	"O" RING, Cap	1
11	888296	RING, Back-Up	1	47	946429	CAP	1
12	888302	GUIDE, Spring	1	48	946430	SPRING, Check	1
13	945068	SPRING	1	49	940064	CHECK	1
14	302602	ROLL PIN	1	50	946431	CHECK	1
15	302602	ROLL PIN	1	51	946432	CHECK	1
16	888302	GUIDE, Spring	1	52	946433	SPRING	1
17	1302111	RING, Retaining	1	53	888296	RING, Back-Up	1
18	10J-08	BALL	17	54	888302	GUIDE, Spring	1
19	945863	SPRING	1	55	888303	SPRING	1
20	945074	PLUG, Detent Cover	1	56	888302	GUIDE, Spring	1
21	886763	PLUG, Bleeder	1	57	888298	COVER, Detent	1
22	661389	RING, Plug Retaining	1	57A	1C-410	†BOLT, Detent Cover	4
23	945257	COVER, Detent	1	57B	4E-04	†LKWSHR, Detent Cover	4
23A	1C-416	†BOLT, Cover to Housing	4	58	886745	PLUG, Bleeder	1
23B	4E-04	†LKWSHR, Cover to Housing	4	59	946434	CAP, Plunger	1
24	945258	RETAINER, Ball	1	60	25K-40028	"O" RING, Cap	1
25	945258	RETAINER, Ball	1	61	946427	PLATE, Seal Retaining	1
26	945865	CAP, Detent	1	62	946584	SEAL, Plunger Oil	1
27	944148	PIN, Connecting	1	63	958218	SPRING, Check	1
28	945067	CAP, Plunger	1	64	-----	§PLUNGER, Operating – See "A"	—
29	25K-40028	"O" RING, Plunger Cap	1	65	25K-20024	"O" RING, Seat	1
30	946427	PLATE, Seal Retaining	1	66	-----	§BALL (See 42)	—
31	946584	SEAL, Plunger Oil	1	67	946584	SEAL, Plunger Oil	1
32	940166	SPRING, Check	1	68	946638	WIPER, Plunger	1
33	941463	CHECK	1	69	946118	SPRING, Check	1
34	-----	§PLUNGER, Operating – See "A"	—	70	25K-20012	"O" RING, Adjusting Screw	1

*NOTE: For the complete replacement use 1510480 Valve.

†Not Illustrated

§Not Sold Separately

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



THREE SPOOL CONTROL VALVE ASSEMBLY
For Serial: Cummins - 7AFC101 thru 10AFC999

TS-8287-P



CONSTRUCTION MACHINERY DIVISION



THREE SPOOL CONTROL VALVE ASSEMBLY (Continued)
For Serial: 7AFC101 thru 10AFC999

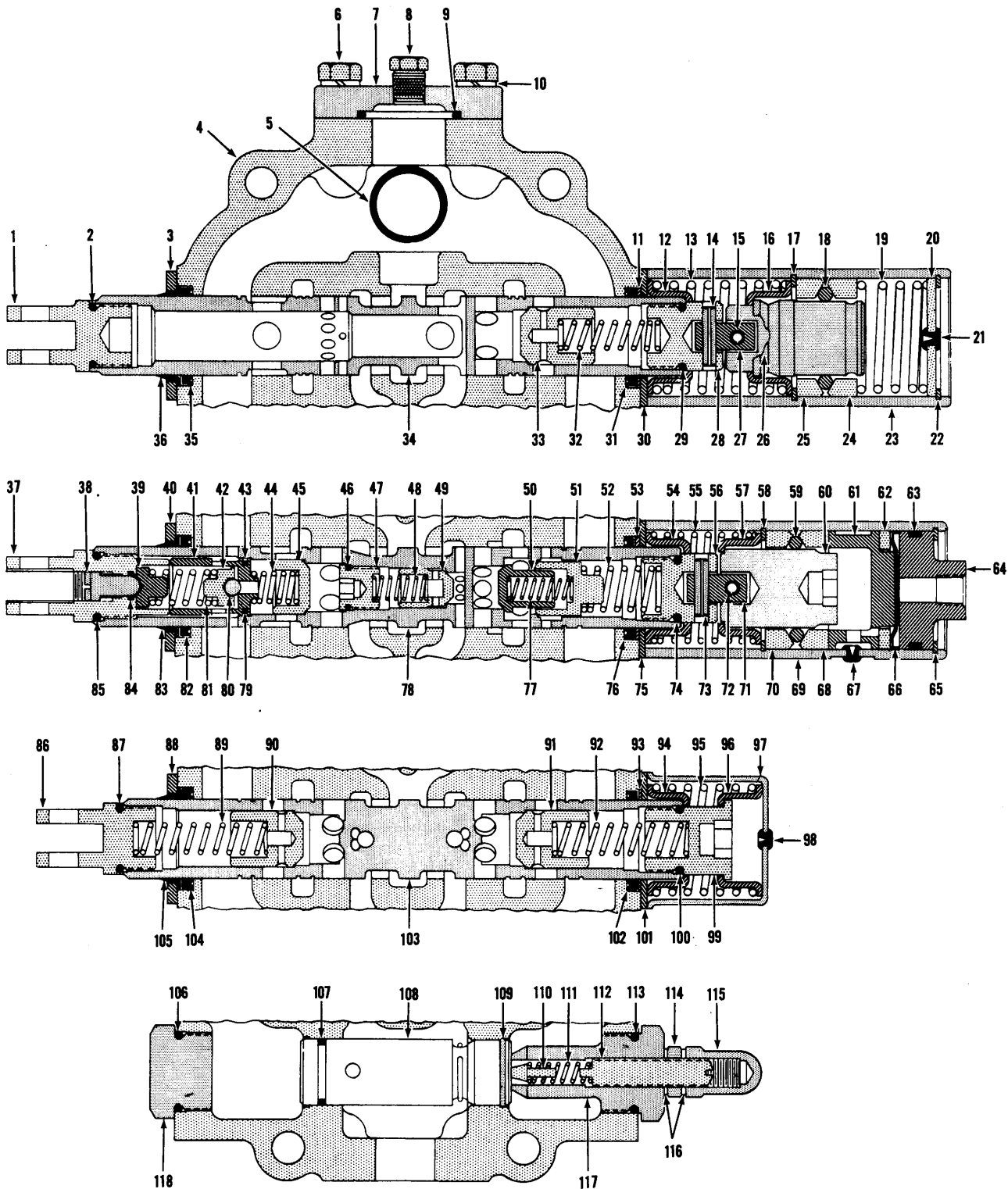
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various components like O-rings, plates, seals, springs, and valves with their respective part numbers and quantities.

†Not Illustrated
§Not Sold Separately

NOTES

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



THREE SPOOL CONTROL VALVE ASSEMBLY
For Serial: Cummins - 11AFC101 & after. G.M. 11AFG101 & after.

TS-8324-P

THREE SPOOL CONTROL VALVE ASSEMBLY

For Serial: Cummins — 11AFC101 and after

G.M. — 11AFG101 and after

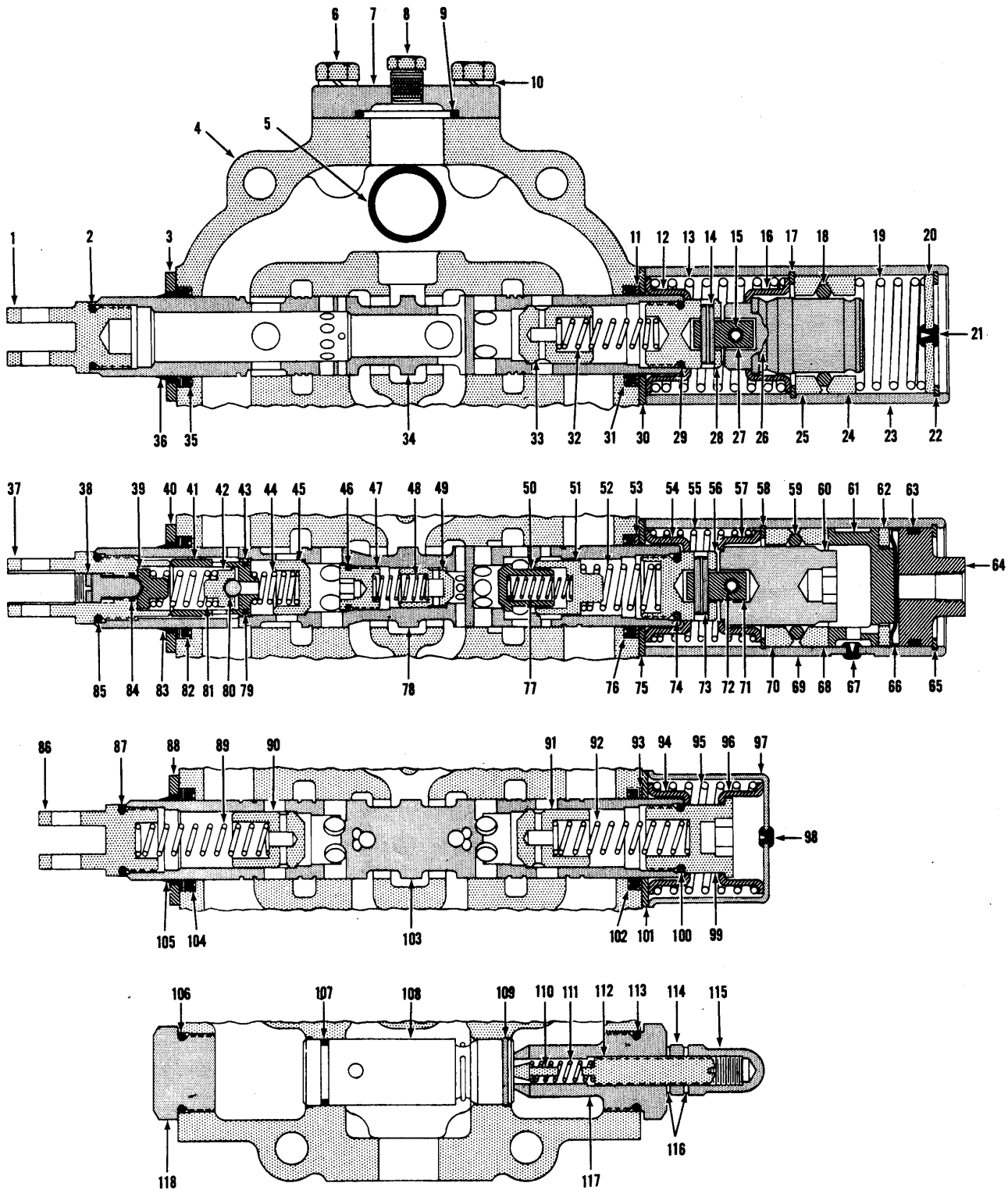
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1536321	*VALVE ASSY (Inc. 1 thru 118)	1	35	946584	SEAL, Plunger Oil	1
1	946265	EYE, Plunger	1	36	946638	WIPER, Plunger	1
2	25K-40028	"O" RING, Plunger Eye	1	37	946124	EYE, Plunger	1
3	946637	PLATE, Seal Retaining	1	38	946126	SCREW, Adjusting	1
3A	1C-410	†BOLT, Plate to Housing	2	39	946117	GUIDE, Spring	1
3B	4E-04	†LKWSHR, Plate to Housing	2	40	946637	PLATE, Seal Retaining	1
4	—	§HOUSING, Valve (See "A")	—	40A	1C-410	†BOLT, Plate to Housing	2
4A	40K-04	†PLUG, Pipe	1	40B	4E-04	†LKWSHR, Plate to Housing	2
5	58K-222	"O" RING, Valve Mounting	1	41	946121	SEAT, Relief Valve	1
6	1C-720	BOLT, Cover to Housing	4	42	946119	POPPET ASSY (Inc. 80)	1
7	946382	COVER, Valve	1	43	946120	RING, Back-Up	1
8	40K-04	PLUG, Cover	1	44	946809	SPRING, Check	1
9	58K-222	"O" RING, Cover to Housing	1	45	946428	CHECK	1
10	4E-07	LKWSHR, Cover to Housing	4	46	947237	"O" RING, Plunger Cap	1
11	888296	RING, Seal Back-Up	1	47	946429	CAP, Plunger	1
12	888302	GUIDE, Spring	1	48	946430	SPRING	1
13	945068	SPRING	1	49	940064	CHECK	1
14	302602	ROLL PIN	1	50	946431	CHECK	1
15	302602	ROLL PIN	1	51	946432	CHECK	1
16	888302	GUIDE, Spring	1	52	946433	SPRING, Check	1
17	1302111	RING, Retaining	1	53	888296	RING, Seal Back-Up	1
18	10J-08	BALL	17	54	888302	GUIDE, Spring	1
19	945863	SPRING	1	55	888303	SPRING	1
20	945074	PLUG, Cover	1	56	946452	CAP, Plunger	1
21	886763	PLUG, Bleeder	1	57	888302	GUIDE, Spring	1
22	661389	RING, Plug Retaining	1	58	1302111	RING, Retaining	1
23	945257	COVER, Detent	1	59	10J-08	BALL	17
23A	1C-416	†BOLT, Detent Cover to Housing	4	60	947238	CAP, Detent	1
23B	4E-04	†LKWSHR, Detent Cover to Housing	4	61	947233	PLUG	1
24	945258	RETAINER, Ball	1	62	947232	SPACER	1
25	945258	RETAINER, Ball	1	63	58K-225	"O" RING, Plug	1
26	945865	CAP, Detent	1	64	947231	PLUG	1
27	944148	PIN	1	65	661389	RING, Plug Retaining	1
28	945067	CAP, Plunger	1	66	947214	DIAPHRAGM	1
29	25K-40028	"O" RING, Cap	1	67	886763	PLUG, Bleeder	1
30	946427	PLATE, Seal Retaining	1	68	945258	RETAINER, Ball	1
31	946584	SEAL, Plunger Oil	1	69	947230	COVER, Detent	1
32	940166	SPRING, Check	1	69A	1C-416	†BOLT, Detent Cover to Housing	4
33	941463	CHECK	1	69B	4E-04	†LKWSHR, Detent Cover to Housing	4
34	—	§PLUNGER, Operating (See "A")	—	70	945258	RETAINER, Ball	1

*NOTE: For complete replacement use 1510480 Valve.

†Not Illustrated

§Not Sold Separately

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



THREE SPOOL CONTROL VALVE ASSEMBLY
 For Serial: Cummins - 11AFC101 & after. G.M. - 11AFG101 & after.

TS-8324-P

THREE SPOOL CONTROL VALVE ASSEMBLY (Continued)

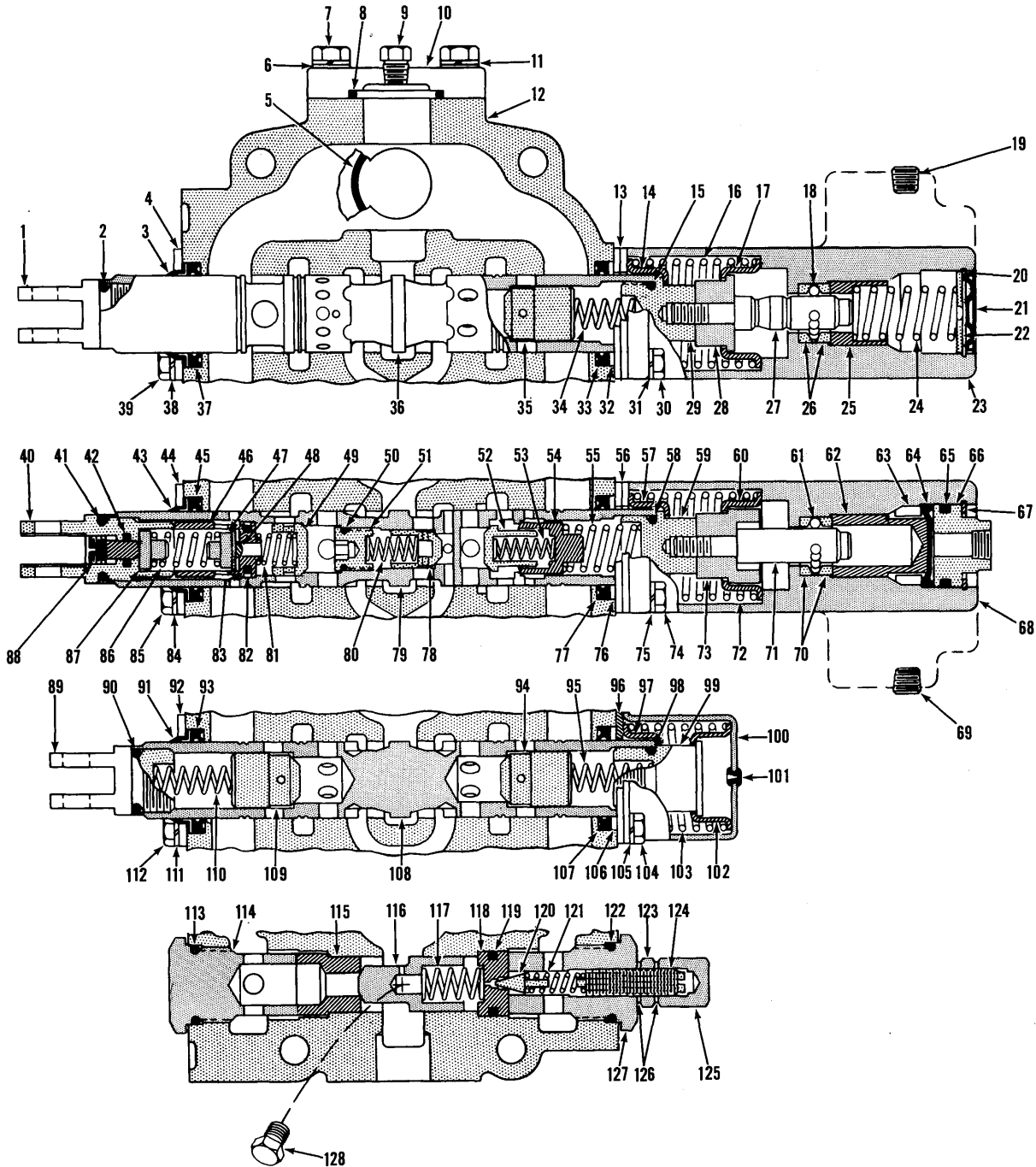
**For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
71	944148	PIN	1	95	888303	SPRING	1
72	660178	ROLL PIN	1	96	888302	GUIDE, Spring	1
73	302602	ROLL PIN	1	97	888298	COVER, Detent	1
74	25K-40028	"O" RING, Plunger Cap	1	97A	1C-410	†BOLT, Detent Cover to Housing	4
75	946427	PLATE, Seal Retaining	1	97B	4E-04	†LKWSHR, Detent Cover to Housing	4
76	946584	SEAL, Plunger Oil	1	98	886745	PLUG, Bleeder	1
77	946813	SPRING	1	99	888300	CAP, Detent	1
78	—	§PLUNGER, Operating (See "A")	—	100	25K-40028	"O" RING, Detent Cap	1
79	25K-20024	"O" RING, Relief Valve Seat	1	101	946427	PLATE, Seal Retaining	1
80	—	§BALL, Poppet (See 42)	—	102	946584	SEAL, Plunger Oil	1
81	946118	SPRING	1	103	—	§PLUNGER, Operating (See "A")	—
82	946584	SEAL, Plunger Oil	1	104	946584	SEAL, Plunger Oil	1
83	946638	WIPER, Plunger	1	105	946638	WIPER, Plunger	1
84	25K-20012	"O" RING, Adjusting Screw	1	106	25K-40104	"O" RING, Cap	1
85	25K-40028	"O" RING, Plunger Eye	1	107	58K-022	"O" RING, Relief Valve	1
86	946265	EYE, Plunger	1	108	945868	RELIEF VALVE ASSY (Inc. 107 & 109)	1
87	25K-40028	"O" RING, Plunger Eye	1	109	945081	RING, Relief Valve Retaining	1
88	946637	PLATE, Seal Retaining	1	110	886739	POPPET, Relief	1
88A	1C-410	†BOLT, Plate to Housing	2	111	886753	SPRING, Poppet	1
88B	4E-04	†LKWSHR, Plate to Housing	2	112	944855	SCREW, Adjusting	1
89	888304	SPRING	1	113	25K-40104	"O" RING, Adjusting Cap	1
90	941463	CHECK	1	114	8D-08	NUT, Jam	1
91	941463	CHECK	1	115	944853	NUT, Acorn	1
92	888304	SPRING	1	116	613750	WASHER, Jam Nut	2
93	888296	RING, Seal Back-Up	1	117	945870	CAP, Adjusting	1
94	888302	GUIDE, Spring	1	118	888294	CAP	1

†Not Illustrated
§Not Sold Separately

NOTES

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



CONTROL VALVE ASSEMBLY

TS-9055

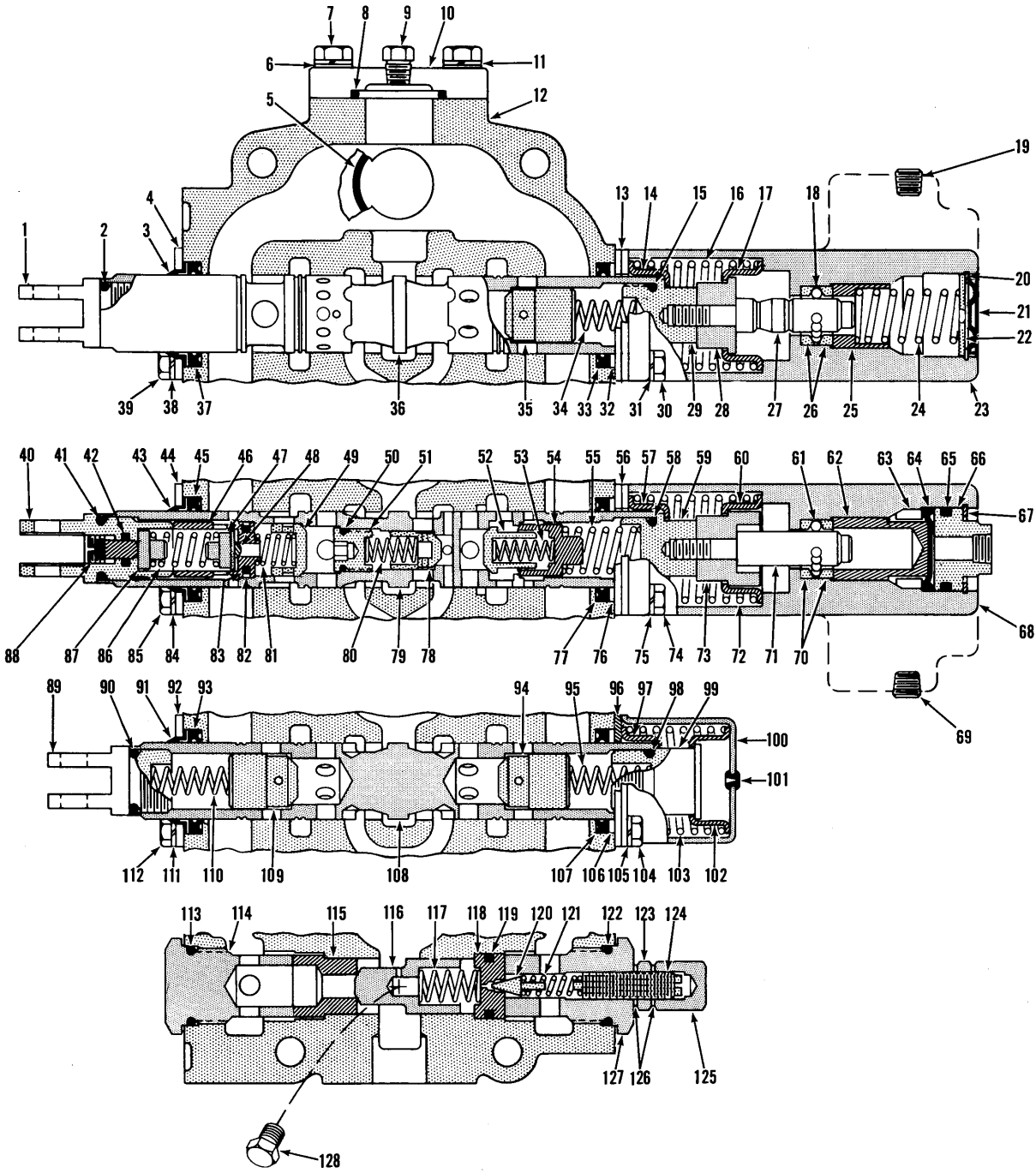
**CONTROL VALVE ASSEMBLY
(SERVICE)**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A	1508791	*CONTROL VLV. ASSY. (Incl. 1-128)	—	33	946584	SEAL, Plunger	1
1	946265	EYE, Plunger	1	34	958212	SPRING, Check	1
2	25K-40028	O-RING	1	35	941463	CHECK	1
3	946638	WIPER, Plunger	1	36	-----	§PLUNGER, Valve (See A)	—
4	946637	RETAINER, Wiper	1	37	946584	SEAL, Plunger	1
5	58K-222	O-RING	1	38	4E-04	LKWSHR, Retainer to Housing.....	2
6	867747	WASHER, Cover to Housing	4	39	1C-410	BOLT, Retainer to Housing	2
7	1C-724	BOLT, Cover to Housing	4	40	946124	EYE, Plunger	1
8	58K-222	O-RING	1	41	25K-40028	O-RING	1
9	40K-04	PLUG, Pipe	1	42	58K-012	O-RING	1
10	943191	COVER	—	43	946638	WIPER, Plunger	1
11	4E-07	LKWSHR, Cover to Housing	4	44	946637	RETAINER, Wiper and Seal	1
12	-----	§HOUSING, Valve (See A)	1	45	946584	SEAL, Plunger	1
13	946427	RETAINER, Seal	2	46	946121	SEAT, Check	1
14	945066	GUIDE, Spring	1	47	946119	CHECK (Incl. 48)	1
15	25K-40028	O-RING	1	48	-----	§BALL (See 47)	—
16	947857	SPRING, Plunger Return	1	49	946428	CHECK	1
17	888302	GUIDE, Spring	1	50	947237	O-RING	1
18	10J-06	BALL	10	51	946429	CAP.....	1
19	16F-04	PLUG, Pipe	1	52	946431	CHECK	1
20	666542	RING, Retaining	1	53	946813	SPRING, Check	1
21	948202	DIAPHRAGM	1	54	946432	CHECK, Spring.....	1
22	947848	PLUG, Cover	1	55	946433	SPRING, Check	1
23	961252	COVER, Detent	1	56	946427	RETAINER, Seal	2
24	947852	SPRING, Detent	1	57	945066	GUIDE, Spring	1
25	947842	RETAINER, Spring	1	58	25K-40028	O-RING	1
26	947843	RETAINER, Ball	2	59	947855	CAP, Plunger.....	1
27	947859	CAP, Detent	1	60	888302	GUIDE, Spring	1
28	947862	SPACER	1	61	10J-06	BALL	10
29	947858	CAP, Plunger	1	62	948460	PISTON	1
30	1C-420	BOLT, Detent to Housing	4	63	948459	SPACER	1
31	4E-04	LKWSHR, Detent to Housing	4	64	946919	DIAPHRAGM	1
32	888296	RING, Back-Up	1				

*NOTE: For replacement use 1510480 Valve Assy.

§Not Sold Separately

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



CONTROL VALVE ASSEMBLY

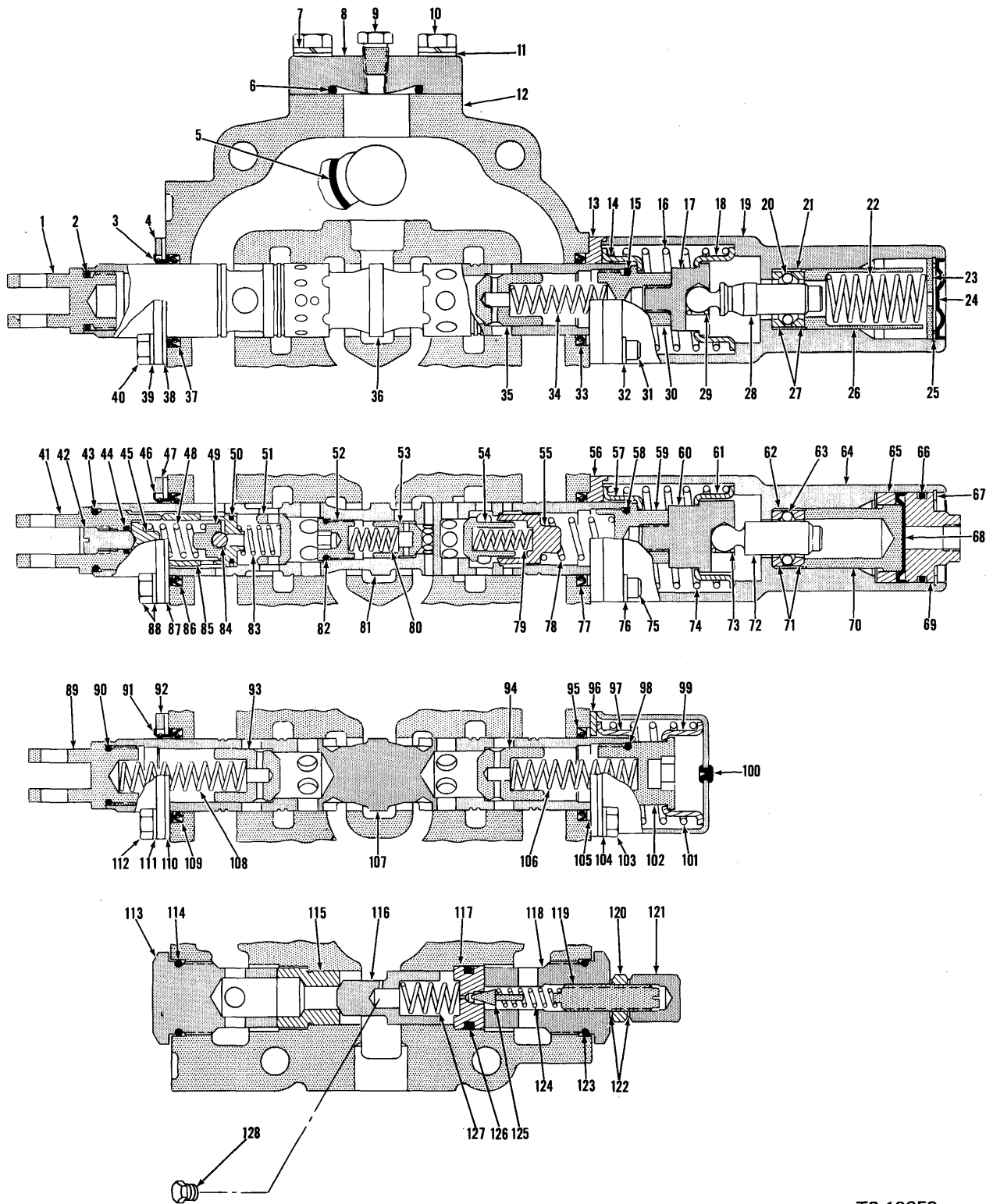
TS-9055

CONTROL VALVE ASSEMBLY, Continued

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
65	25K-40108	O-RING	1	97	888302	GUIDE, Spring	1
66	947340	PLUG	1	98	25K-40028	O-RING	1
67	666542	RING, Retaining.....	1	99	888300	CAP, Plunger.....	1
68	961252	COVER, Detent	1	100	888298	COVER, Return Spring	1
69	16F-04	PLUG, Pipe	1	101	886745	PLUG, Bleeder	1
70	947843	RETAINER, Ball	2	102	888302	GUIDE, Spring	1
71	947854	CAP, Detent	1	103	947853	SPRING, Plunger Return	1
72	947857	SPRING, Plunger Return	1	104	1C-412	BOLT, Cover to Housing	4
73	947856	SPACER	1	105	4E-04	LKWSHR, Cover to Housing	4
74	1C-412	BOLT, Detent to Housing.....	4	106	888296	RING, Back-Up.....	1
75	4E-04	LKWSHR, Detent to Housing	4	107	946584	SEAL, Plunger	1
76	888296	RING, Back-Up Seal	1	108	-----	§PLUNGER, Valve (See A).....	—
77	946584	SEAL, Plunger.....	1	109	941463	CHECK	1
78	940064	CHECK	1	110	888304	SPRING, Check.....	1
79	-----	§PLUNGER, Valve (See A)	—	111	4E-04	LKWSHR, Plate to Housing	2
80	946430	SPRING, Check.....	1	112	1C-410	BOLT, Plate to Housing	2
81	946809	SPRING, Check	1	113	25K-40104	O-RING	1
82	946120	RING, Seal Retainer	1	114	947845	CAP	1
83	25K-20024	O-RING	1	115	947840	SEAT, Check	1
84	4E-04	LKWSHR, Plate to Housing.....	2	116	947844	SEAT, Check	1
85	1C-410	BOLT, Plate to Housing.....	2	117	946805	SPRING, Check	1
86	946118	SPRING, Check	1	118	947841	SEAT, Poppet	1
87	946117	GUIDE, Spring	1	119	25K-40030	O-RING	1
88	946126	SCREW, Adjusting.....	1	120	886739	POPPET, Relief	1
89	946124	EYE, Plunger	1	121	886753	SPRING, Relief	1
90	25K-40028	O-RING, Plunger Eye	1	122	25K-40104	O-RING	1
91	946638	WIPER, Plunger	1	123	8D-08	NUT, Jam	1
92	946637	RETAINER, Wiper and Seal	1	124	944890	SCREW, Adjusting	1
93	946584	SEAL, Plunger.....	1	125	49D-08	NUT, Acorn	1
94	941463	CHECK	1	126	613750	WASHER, Jam Nut	2
95	888304	SPRING, Check	1	127	947846	CAP, Relief	1
96	946427	RETAINER, Seal	1	128	40K-04	PLUG, Pipe	1

§ Not Sold Separately

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



TS-10853



CONSTRUCTION MACHINERY DIVISION

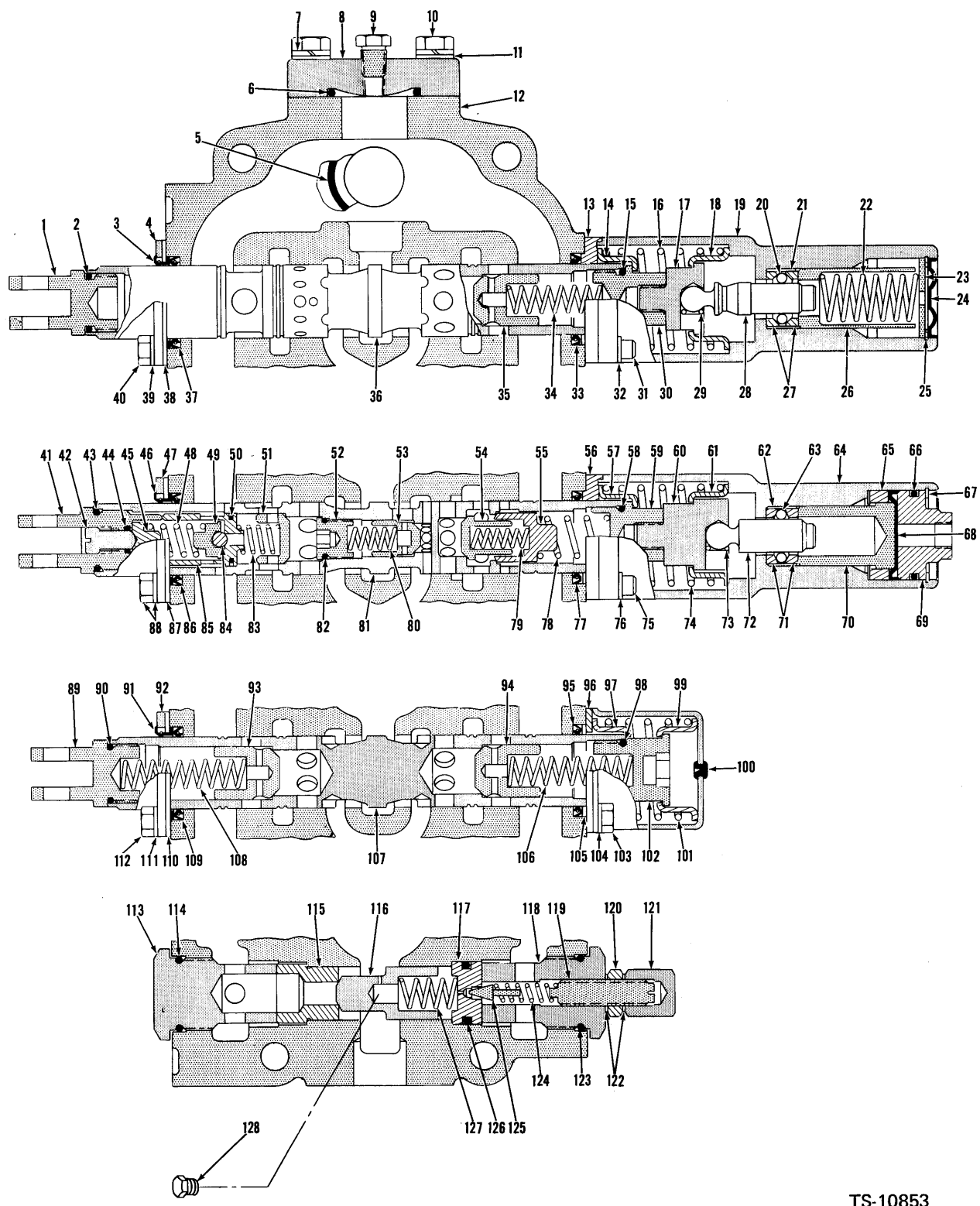


CONTROL VALVE ASSEMBLY – THREE SPOOL (SERVICE)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A	1510480	CONTROL VALVE ASSY (Incl. 1 thru 128)	1	34	940166	SPRING, Check	1
1	946265	EYE, Plunger	1	35	941463	CHECK	1
2	25K-40028	O-RING, Plunger Eye	1	36	-----	§PLUNGER, Operating – See A	—
3	948951	WIPER, Plunger Oil	1	37	948950	SEAL, Plunger Oil	1
4	948953	PLATE, Wiper Retainer	1	38	888299	PLATE, Wiper Retainer	1
5	58K-222	O-RING, Valve Mounting	1	39	4E-04	LKWSHR, Plate to Housing	4
6	58K-222	O-RING, Cover to Housing	1	40	4E-04	BOLT, Plate to Housing	4
7	4E-07	LKWSHR, Cover to Housing	4	41	946124	EYE, Plunger	1
8	947887	COVER, Housing	1	42	946126	SCREW, Adjusting	1
9	40K-04	PLUG, Pipe	1	43	25K-40028	O-RING, Plunger Eye	1
10	1C-724	BOLT, Cover to Housing	4	44	58K-012	O-RING, Screw	1
11	867747	WASHER, Cover to Housing	4	45	946117	GUIDE, Spring	1
12	-----	§HOUSING, Plunger – See A	—	46	948951	WIPER, Plunger Oil	1
13	948952	PLATE, Seal Retainer	1	47	948953	PLATE, Wiper Retaining	1
14	945066	RETAINER, Spring	1	48	946118	SPRING, Poppet	1
15	25K-40028	O-RING, Cap	1	49	946119	POPPET (Incl. 84)	1
16	947857	SPRING, Plunger Return	1	50	25K-20024	O-RING, Seat	1
17	948734	SOCKET, Detent	1	50A	946120	†RING, Teflon	1
18	888302	RETAINER, Spring	1	51	946428	CHECK	1
19	961812	COVER, Detent	1	52	946429	CAP, Plunger	1
20	948730	BALL	11	53	940064	CHECK	1
21	948727	SLEEVE, Ball Retainer	1	54	946431	CHECK	1
22	947852	SPRING, Detent	1	55	946432	CHECK	1
23	947848	PLUG, Detent	1	56	948952	PLATE, Seal Retainer	1
24	948731	DIAPHRAGM	1	57	945066	RETAINER, Spring	1
25	666542	RING, Plug Retainer	1	58	25K-40028	O-RING, Cap	1
26	948954	RETAINER, Spring	1	59	948738	CAP, Plunger	1
27	947843	RETAINER, Ball	1	60	948733	SOCKET, Detent	1
28	948737	PLUNGER, Detent	1	61	888302	RETAINER, Spring	1
29	948726	RING, Plunger Retaining	1	62	948727	SLEEVE, Ball Retainer	1
30	948739	CAP, Plunger	1	63	948730	BALL	11
31	1C-412	BOLT, Cover to Housing	4	64	948736	COVER, Detent	1
32	4E-04	LKWSHR, Cover to Housing	4	64A	16F-04	PLUG, Pipe	1
33	948950	SEAL, Plunger Oil	1	65	-----	§SPACER, Cover – See 64	—
				66	25K-40114	O-RING, Plug	1
				67	948729	RING, Plug Retainer	1

†Not Illustrated
§Not Sold Separately

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



TS-10853

**CONTROL VALVE ASSEMBLY – THREE SPOOL, Cont.
(SERVICE)**

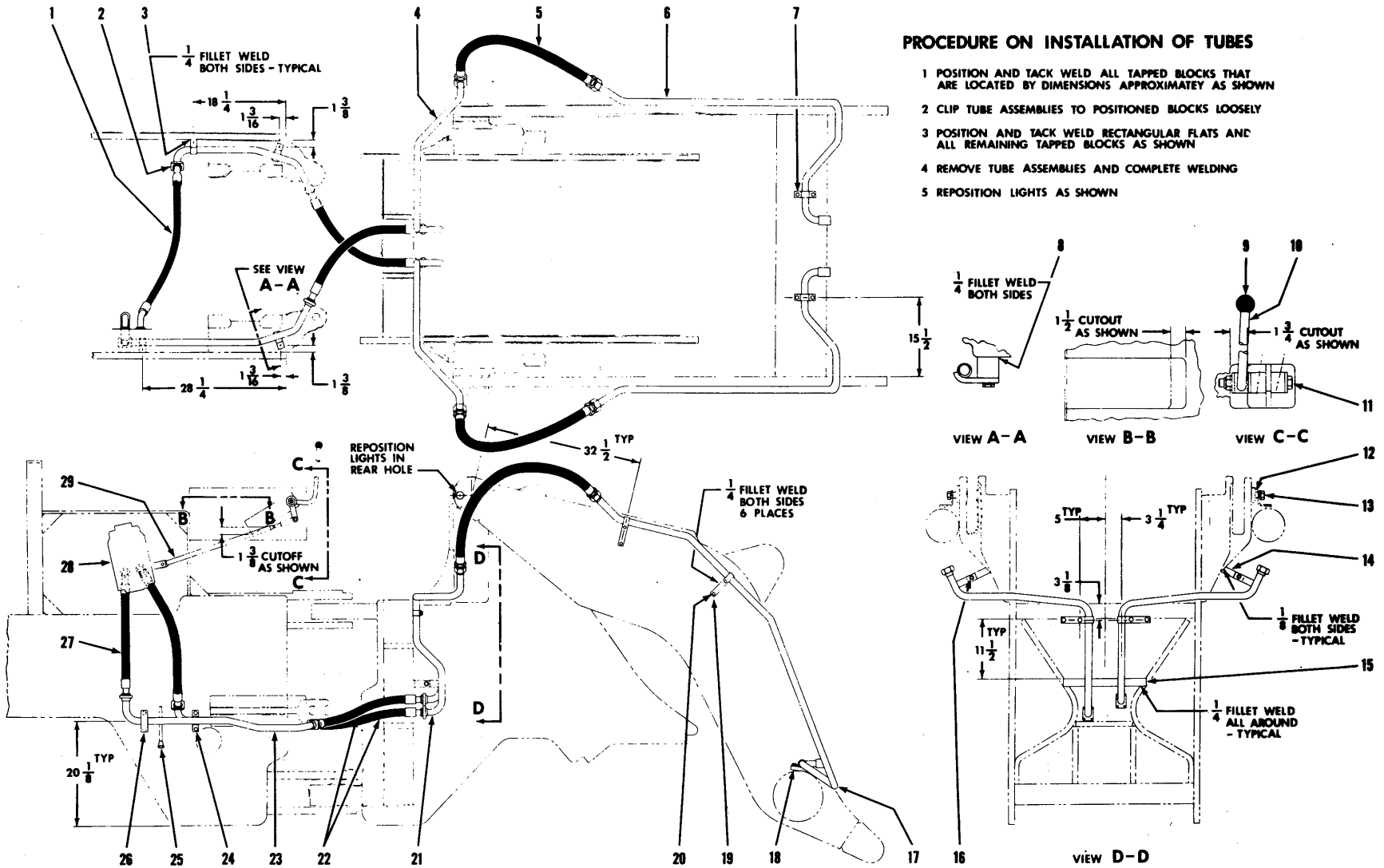
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
68	948731	DIAPHRAGM	1	98	25K-40028	O-RING, Plunger Cap	1
69	948724	PLUG, Detent Cover	1	99	888302	RETAINER, Spring	1
70	948725	PISTON, Detent	1	100	886745	PLUG, Bleeder	1
71	947843	RETAINER, Ball	2	101	947853	SPRING, Plunger Return	1
72	948722	PLUNGER, Detent	1	102	888300	CAP, Plunger	1
73	948726	RING, Plunger Retaining	1	103	1C-412	BOLT, Cover to Housing	4
74	945068	SPRING, Plunger Return	1	104	4E-04	LKWSHR, Cover to Housing	4
75	11G-420	BOLT, Cover to Housing	4	105	948853	RING, Back-up	1
76	4E-04	LKWSHR, Cover to Housing	4	106	888304	SPRING, Check	1
77	948950	SEAL, Plunger Oil	1	107	-----	§PLUNGER, Operating – See A	—
78	946433	SPRING, Check	1	108	888304	SPRING, Check	1
79	946432	CHECK	1	109	948950	SEAL, Plunger Oil	1
80	946813	SPRING, Check	1	110	888299	PLATE, Seal Retaining	1
81	-----	§PLUNGER, Operating – See A	—	111	4E-04	LKWSHR, Plate to Housing	4
82	25K-30018	O-RING, Cap	1	112	1C-412	BOLT, Plate to Housing	4
83	946809	SPRING, Check	1	113	947845	CAP	1
84	-----	§BALL, Poppet – See 49	—	114	25K-40104	O-RING, Cap	1
85	946121	SEAT, Check	1	115	947840	SEAT, Relief	1
86	948950	SEAL, Plunger Oil	1	116	947844	POPPET, Relief	1
87	888299	PLATE, Seal Retaining	1	117	947841	SEAT, Pilot	1
88	1C-412	BOLT, Plate to Housing	4	118	947846	CAP, Adjusting	1
88A	4E-04	LKWSHR, Plate to Housing	4	119	944890	SCREW, Adjusting	1
89	946265	EYE, Plunger	1	120	8D-08	NUT, Jam	1
90	25K-40028	O-RING, Plunger Eye	1	121	49D-08	NUT, Acorn	1
91	948951	WIPER, Plunger Oil	1	122	613750	WASHER, Jam Nut	2
92	948953	PLATE, Wiper Retainer	1	123	25K-40104	O-RING, Cap	1
93	941463	CHECK	1	124	886753	SPRING, Poppet	1
94	941463	CHECK	1	125	886739	POPPET	1
95	948950	SEAL, Plunger Oil	1	126	25K-40030	O-RING, Seat	1
96	946427	PLATE, Seal Retainer	1	127	946805	SPRING, Poppet	1
97	888302	RETAINER, Spring	1	128	40K-04	PLUG, Pipe	1

§Not Sold Separately

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

PROCEDURE ON INSTALLATION OF TUBES

- 1 POSITION AND TACK WELD ALL TAPPED BLOCKS THAT ARE LOCATED BY DIMENSIONS APPROXIMATELY AS SHOWN
- 2 CLIP TUBE ASSEMBLIES TO POSITIONED BLOCKS LOOSELY
- 3 POSITION AND TACK WELD RECTANGULAR FLATS AND ALL REMAINING TAPPED BLOCKS AS SHOWN
- 4 REMOVE TUBE ASSEMBLIES AND COMPLETE WELDING
- 5 REPOSITION LIGHTS AS SHOWN



THREE SPOOL VALVE INSTALLATION AND PARTS

TS-7883-P

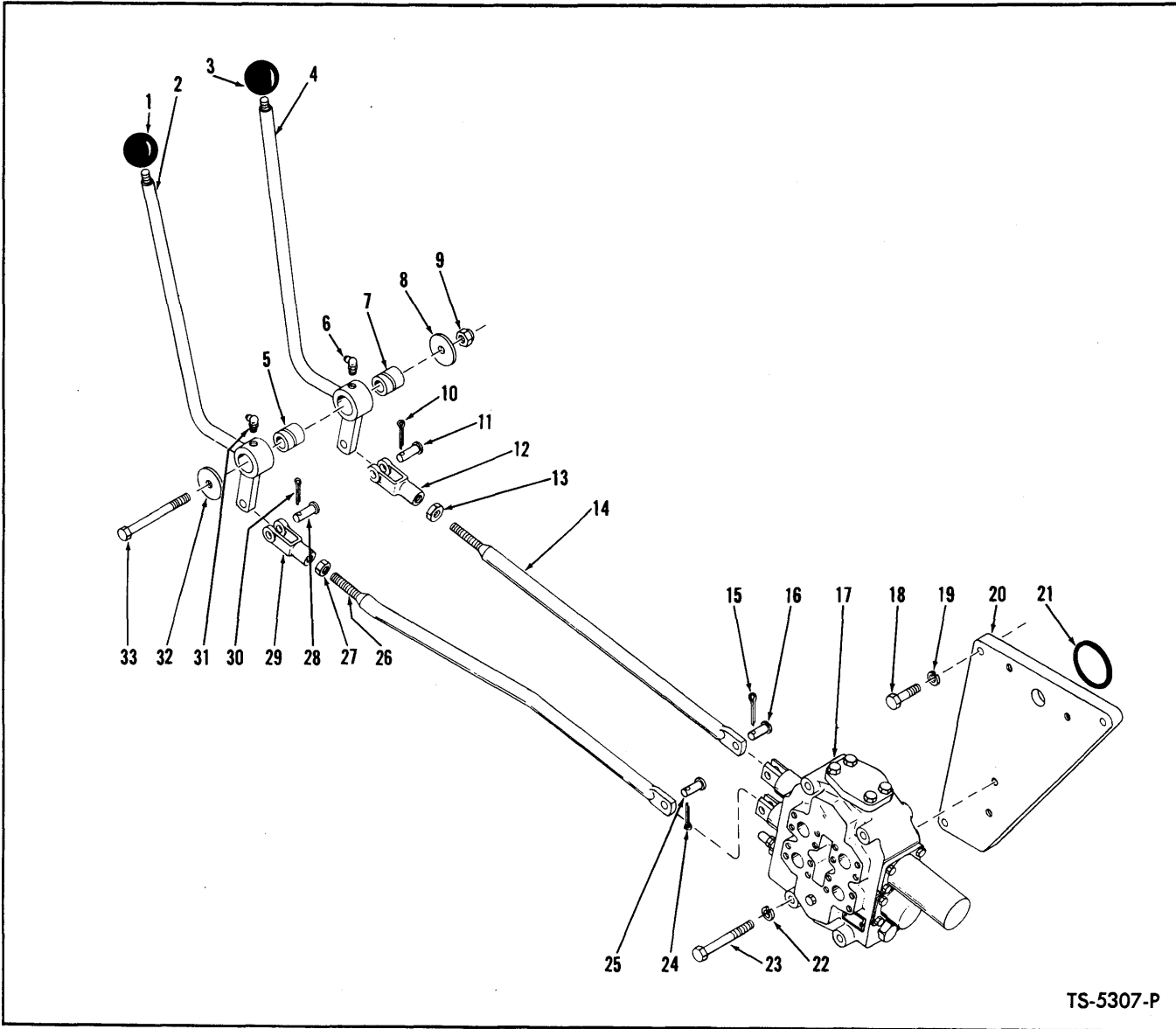
THREE SPOOL VALVE INSTALLATION AND PARTS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1528533	HOSE, Valve to L.H. Tube	1	16A	25E-18	WASHER, Tube to Frame Lug	8
1A	-----	†FLANGE HALF — See Chart Below	—	16B	18D-06	†NUT, Tube to Frame Lug	4
2	1522920	TUBE, L.H. Rear Frame	1	17	1522924	TUBE, R.H. Boom	1
3	1520677	TAPPED BLOCK	2	18	572665	TAPPED BLOCK	1
4	1522928	TUBE, L.H. Front Frame	1	19	1525625	TAPPED BLOCK	6
5	1525619	HOSE, Tube to Tube	2	19A	1520678	†CLIP, Tube to Block	6
6	1522922	TUBE, L.H. Boom	1	20	18C-616	BOLT, Clip to Block	12
7	572557	CLIP, Tube Mounting	2	20A	4E-06	†LKWSHR, Clip to Block	12
7A	18C-616	†BOLT, Clip to Block	4	21	1522926	TUBE, R.H. Front Frame	1
7B	4E-06	†LKWSHR, Clip to Block	4	22	1525620	HOSE, Center Pivot	2
8	590424	TAPPED BLOCK	2	22A	-----	†FLANGE HALF — See Chart Below	—
8A	18C-820	†BOLT, Tube to Block	2	23	1522918	TUBE, R.H. Rear Frame	1
8B	4E-08	†LKWSHR, Tube to Block	2	24	572557	CLIP, Tube to Block — L.H.	1
9	565389	KNOB, Valve Lever	1	24A	18C-616	†BOLT, Clip to Block — L.H.	2
10	1522915	LEVER, Valve Control	1	24B	4E-06	†LKWSHR, Clip to Block — L.H.	2
10A	12H-15	†FITTING, Valve Control Lever Grease	1	25	1528563	TUBE, Brake	1
10B	570676	†SLEEVE, Valve Lever	1	26	572557	CLIP, Tube to Block — R.H.	1
11	18C-12112	BOLT, Valve Lever Mounting	1	26A	18C-616	†BOLT, Clip to Block — R.H.	2
11A	585972	†WASHER, Valve Lever Mounting	1	26B	4E-06	†LKWSHR, Clip to Block — R.H.	2
11B	18D-12	†NUT, Valve Lever Mounting	1	27	1525629	HOSE, Control Valve to R.H. Tube ...	1
12	658881	SPACER, Headlamp Mounting	2	27A	-----	†FLANGE HALF — See Chart Below	—
13	18C-1224	BOLT, Headlamp Mounting	2	28	-----	CONTROL VALVE — See Index	—
13A	4E-12	†LKWSHR, Headlamp Mounting	2	29	1522916	ROD, Control Lever to Valve	1
14	1528562	LUG, Tube to Frame	2	29A	4F-08127	†PIN, Rod to Valve & Lever	2
15	1525621	BRACKET, Tube Mounting	1	29B	1F-414	†COTTER, Rod Pin	2
16	18C-620	BOLT, Tube to Frame Lug	4				

†Not Illustrated

GROUP No. Req'd Per Connection	FLANGE HALF 2	"O" RING 1	BOLT 4	LKWSHR 4	SIZE
A	19J16	58K-219	17C-620	4E-06	1"

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



VALVE CONTROL LEVERS AND LINKAGE — CUMMINS

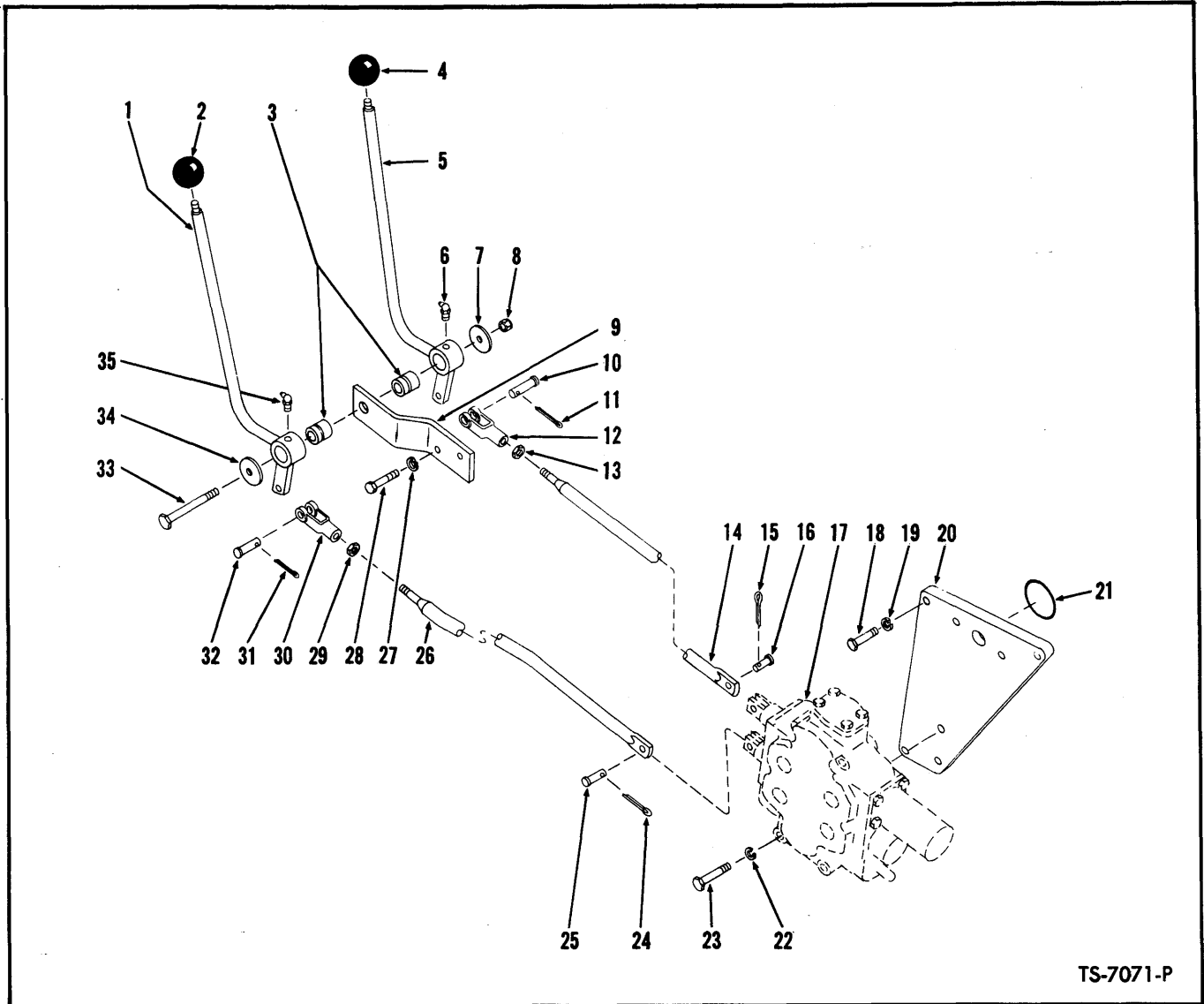
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	565389	KNOB, Bucket Lever.....	1	19	4E-08	LKWSHR, Mounting Plate to Reservoir	3
2	1527552	LEVER, Bucket.....	1	20	568634	PLATE, Mounting — Valve to Reservoir	1
3	565389	KNOB, Boom Lever.....	1	21	58K-232	"O" RING, Mounting Plate to Reservoir	1
4	1527551	LEVER, Boom.....	1	22	4E-08	LKWSHR, Valve to Mounting Plate...	3
5	570676	SLEEVE, Valve Lever Mounting.....	1	23	18C-864	BOLT, Valve to Mounting Plate.....	3
6	12H-15	FITTING, Valve Lever Grease.....	1	24	1F-414	COTTER, Clevis Pin.....	1
7	570676	SLEEVE, Valve Lever Mounting.....	1	25	4F-08127	PIN, Rod to Valve.....	1
8	585972	WASHER, Valve Lever Mounting.....	1	26	568102	ROD, Bucket Control (Inc. 27, 29)...	1
9	18D-12	NUT, Valve Lever Mounting.....	1	27	8D-08	NUT, Clevis Jam.....	1
10	1F-414	COTTER, Clevis Pin.....	1	28	4F-08127	PIN, Clevis to Lever.....	1
11	4F-08127	PIN, Clevis to Lever.....	1	29	2J-8300	CLEVIS, Rod to Lever.....	1
12	2J-8300	CLEVIS, Rod to Lever.....	1	30	1F-414	COTTER, Clevis Pin.....	1
13	8D-08	NUT, Clevis Jam.....	1	31	12H-15	FITTING, Valve Lever Grease.....	1
14	568100	ROD, Boom Control (Inc. 12, 13).....	1	32	585972	WASHER, Valve Lever Mounting.....	1
15	1F-414	COTTER, Clevis Pin.....	1	33	18C-1280	BOLT, Valve Lever Mounting.....	1
16	4F-08127	PIN, Rod to Valve.....	1	34	567727	*BRACKET, Valve Lever Mounting....	1
17	---	CONTROL VALVE — See Index.....	—	35	18C-824	†BOLT, Bracket to Reservoir.....	2
18	18C-828	BOLT, Mounting Plate to Reservoir.....	3	36	4E-08	†LKWSHR, Bracket to Reservoir.....	2

†Not Illustrated

*NOTE: Bracket became effective on machine Serial 7AFC112 & after

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

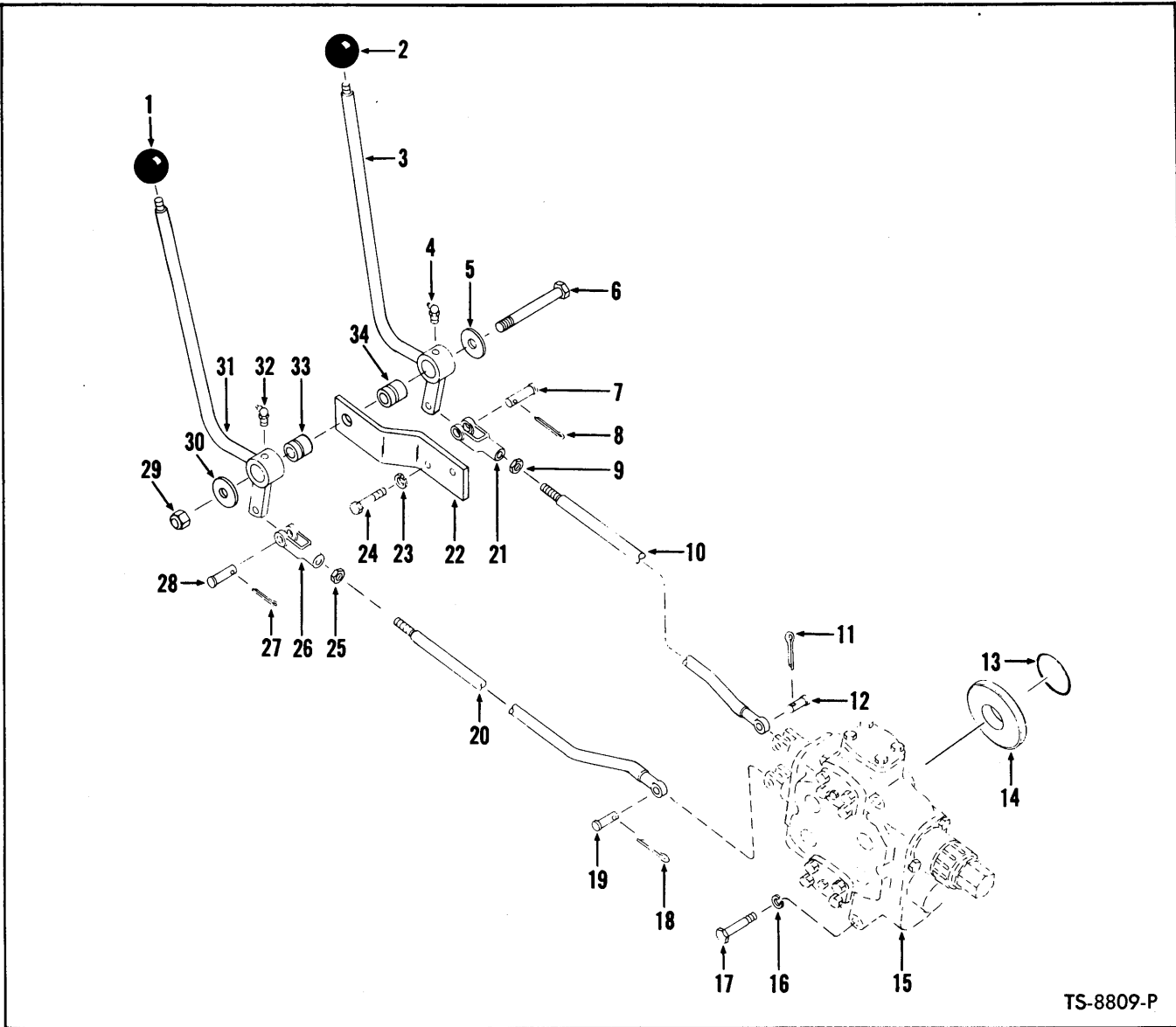


TS-7071-P

VALVE CONTROL LEVERS AND LINKAGE — CUMMINS
For Serial: 8AFC101 thru 10AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1527552	LEVER, Bucket	1	19	4E-08	LKWSHR, Mounting Plate to Reservoir	3
2	565389	KNOB, Bucket Lever	1	20	573350	PLATE, Valve to Reservoir Mounting ..	1
3	570676	SLEEVE, Valve Lever Mounting	2	21	58K-232	"O" RING, Mounting Plate to	
4	565389	KNOB, Boom Lever	1			Reservoir	1
5	1527551	LEVER, Boom	1	22	4E-08	LKWSHR, Valve to Mounting Plate	3
6	12H-15	FITTING, Valve Lever Grease	1	23	18C-868	BOLT, Valve to Mounting Plate	3
7	585972	WASHER, Valve Lever Mounting	1	24	1F-414	COTTER, Clevis Pin	1
8	18D-12	NUT, Valve Lever Mounting	1	25	4F-08127	PIN, Rod to Valve	1
9	567727	BRACKET, Valve Lever Mounting	1	26	568102	ROD, Bucket Control (Inc. 29, 30)	1
10	4F-08127	PIN, Clevis to Lever	1	27	4E-08	LKWSHR, Bracket to Reservoir	2
11	1F-414	COTTER, Clevis Pin	1	28	18C-824	BOLT, Bracket to Reservoir	2
12	2J-8300	CLEVIS, Rod to Lever	1	29	8D-08	NUT, Clevis Jam	1
13	8D-08	NUT, Clevis Jam	1	30	2J-8300	CLEVIS, Rod to Lever	1
14	568100	ROD, Boom Control (Inc. 12, 13)	1	31	1F-414	COTTER, Clevis Pin	1
15	1F-414	COTTER, Clevis Pin	1	32	4F-08127	PIN, Clevis to Lever	1
16	4F-08127	PIN, Rod to Valve	1	33	18C-1280	BOLT, Valve Lever Mounting	1
17	—	CONTROL VALVE — See Index.....	—	34	585972	WASHER, Valve Lever Mounting	1
18	18C-824	BOLT, Mounting Plate to Reservoir	3	35	12H-15	FITTING, Valve Lever Grease	1

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

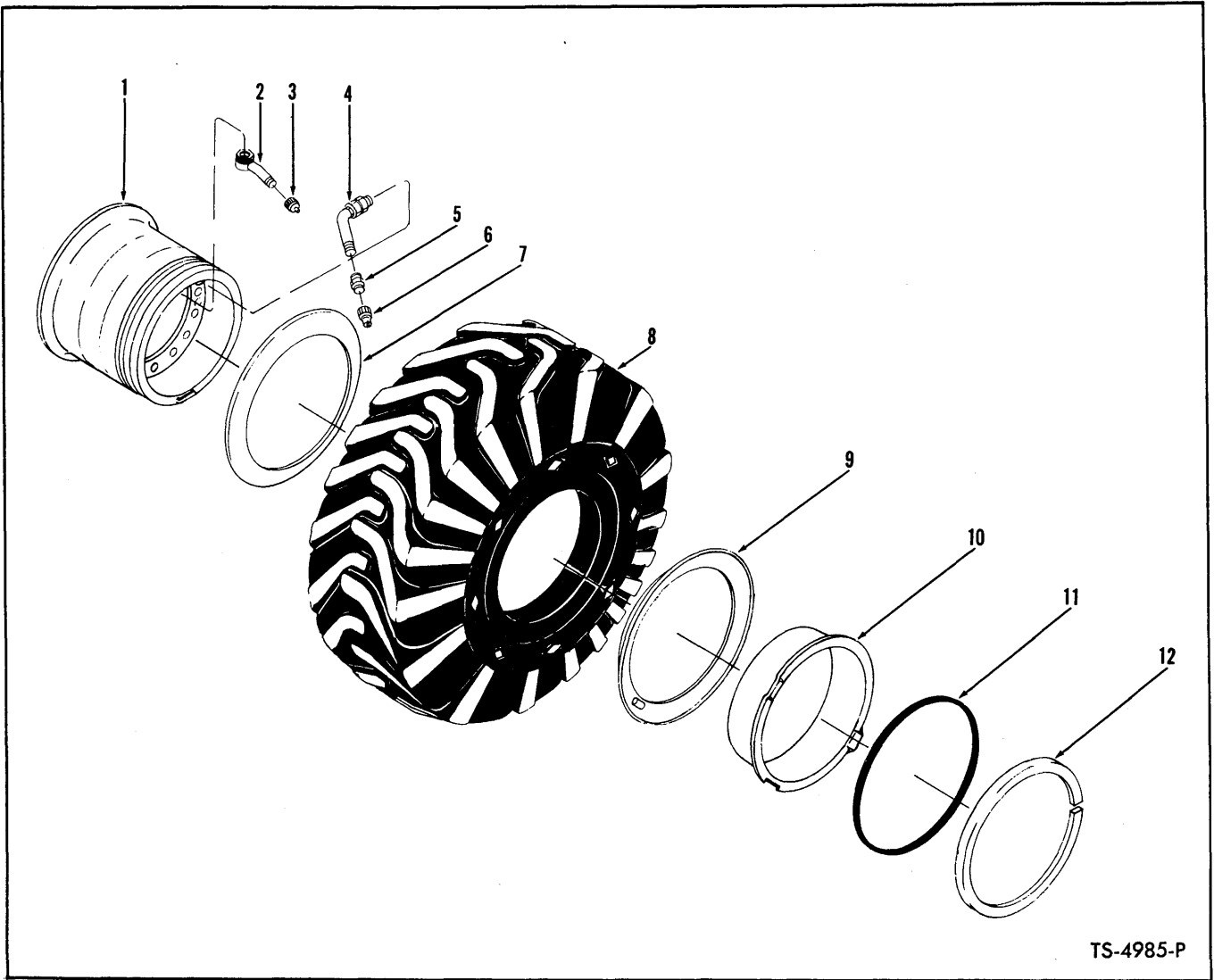


TS-8809-P

VALVE CONTROL LEVERS AND LINKAGE
For Serial: Cummins — 11AFC101 and after
G.M. — 11AFG101 and after

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	565389	KNOB, Bucket Lever	1	18	1F-414	COTTER, Clevis Pin	1
2	565389	KNOB, Boom Lever	1	19	4F-08127	PIN, Rod to Valve	1
3	1527551	LEVER, Boom	1	20	1530384	ROD, Bucket (Inc. 25, 26)	1
4	12H-15	FITTING, Lever Grease	1	21	2J-8300	CLEVIS, Rod to Lever	1
5	585972	WASHER, Lever Mtg.	1	22	567727	BRACKET, Lever Mtg.	1
6	18C-1280	BOLT, Lever Mtg.	1	23	4E-08	LKWSHR, Bracket Mtg.	2
7	4F-08127	PIN, Clevis to Lever	1	24	18C-824	BOLT, Brk. to Reservoir	2
8	1F-414	COTTER, Clevis Pin	1	25	8D-08	NUT, Clevis Jam	1
9	8D-08	NUT, Clevis Jam	1	26	2J-8300	CLEVIS, Rod to Lever	1
10	1530386	ROD, Boom (Inc. 9, 21)	1	27	1F-414	COTTER, Clevis Pin	1
11	1F-414	COTTER, Clevis Pin	1	28	4F-08127	PIN, Clevis to Lever	1
12	4F-08127	PIN, Rod to Valve	1	29	18D-12	NUT, Lever Mtg.	1
13	58K-232	O-RING, Adapter	1	30	585972	WASHER, Lever Mtg.	1
14	1529175	ADAPTER, Valve Mtg.	1	31	1527552	LEVER, Bucket	1
15	---	VALVE — See Index	—	32	12H-15	FITTING, Lever Grease	1
16	4E-08	LKWSHR, Valve Mtg.	3	33	570676	SLEEVE, Lever Mtg.	1
17	18C-864	BOLT, Valve Mtg.	3	34	570676	SLEEVE, Lever Mtg.	1

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



TS-4985-P

18.00 x 25 23.5 x 25

WHEEL AND TIRE

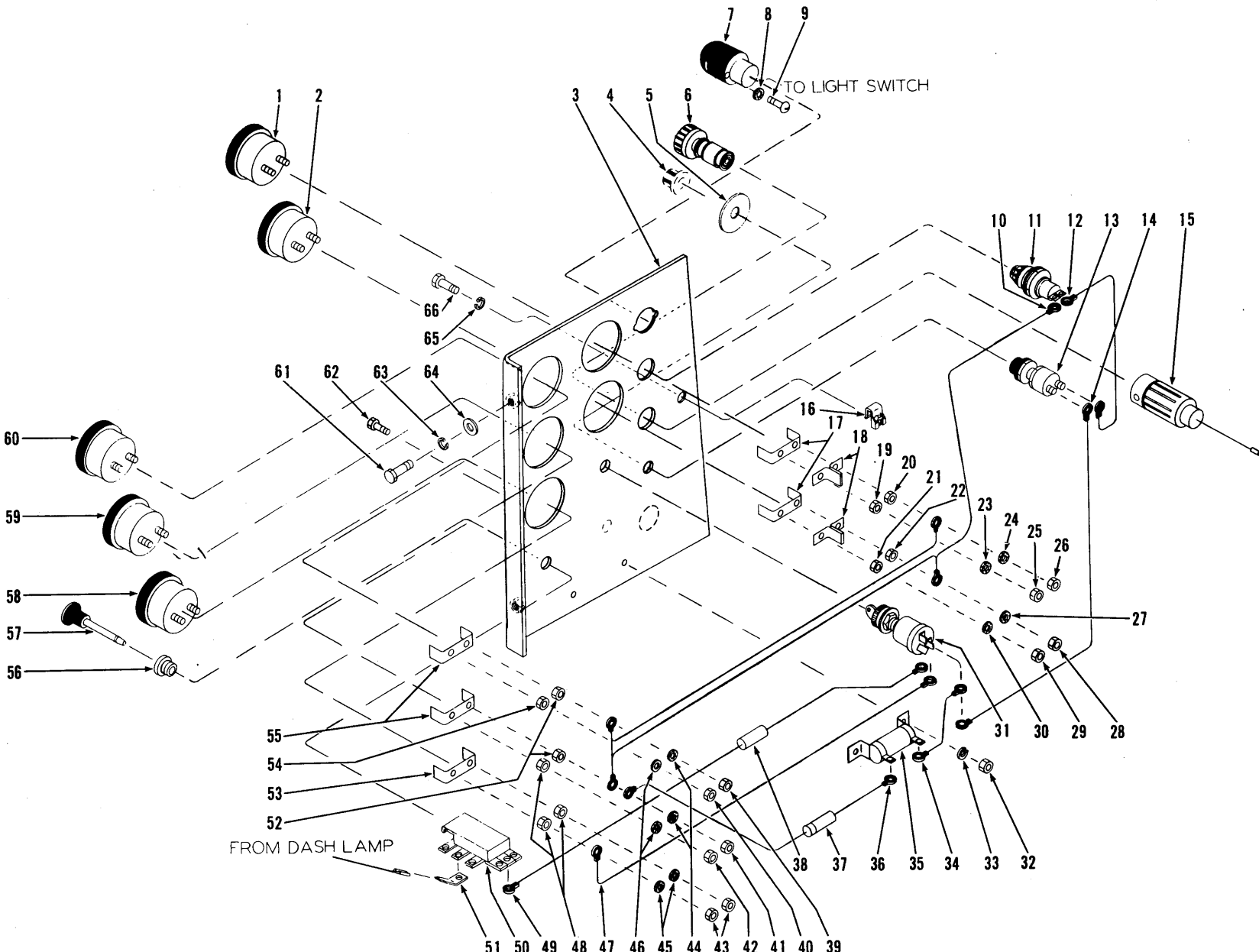
Item No.	Part No.	Description	No. Req'd.
1	553954 509440	*WHEEL	4
2	531112	STEM, Water Filling (Inc. 2A, 2B, 3)	4
2A	529605	†NUT	4
2B	529606	†GROMMET	4
3	531111	CAP	4
4	509445 509445	STEM, Valve (Inc. 5, 6)	4
5	551684 551684	ADAPTER, Valve Stem	4
6	551685 551685	CAP, Valve Stem	4
7	551341 551341	FLANGE	4
8		§TIRE	4
9	551341 551341	FLANGE	4
10	553956 553956	BAND, Bead Seat	4
11	580278 580278	"O" RING	4
12	580274 580274	RING, Lock	4

*NOTE: For replacement of 553954 Wheel use 1536090 Wheel plus 3-15G-1210 Screws.

†Not Illustrated

§Not Sold Separately

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



INSTRUMENT PANEL ASSEMBLY - CUMMINS
For Serial: 7AFC101 thru 8AFC999

TS-7067-P



CONSTRUCTION MACHINERY DIVISION



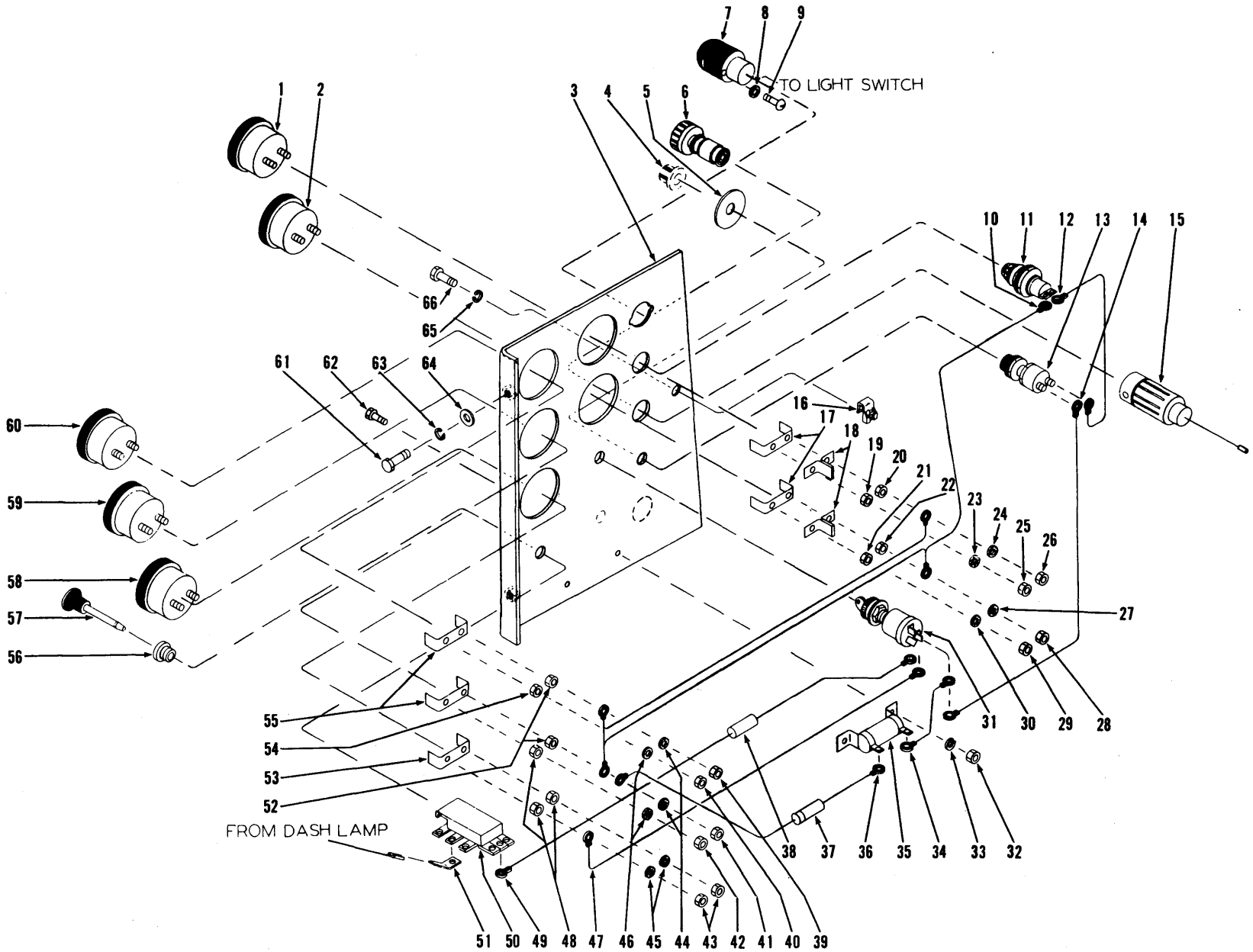
INSTRUMENT PANEL ASSEMBLY — CUMMINS

For Serial: 7AFC101 thru 8AFC999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	523372	GAUGE, Engine Oil Pressure	1	33	17E-6	LKWSHR, Resistor Mounting	2
2	517228	*GAUGE, Air Pressure	1	34	553405	WIRE, Ignition Switch to Resistor	1
3	571601	PANEL, Instrument — For Serial Group A	1	35	556489	RESISTOR, Voltage	1
3A	574117	PANEL, Instrument — For Serial Group B	1	36	573587	WIRE, Resistor to Temperature Gauge	1
4	-----	§BUTTON, Starter Push (See Item 13) ...	—	37	571021	FUSE, ¼ Amp	1
5	547237	PLATE, Starter Button	1	38	611074	FUSE, 20 Amp	1
6	944803	ELEMENT, Lighter	1	39	12D-8	NUT, Terminal to Gauge	1
7	574276	LAMP, Dash	1	40	14D-10	NUT, Terminal to Gauge	1
7A	945055	†BULB, Dash Lamp	1	41	12D-8	NUT, Terminal to Gauge	1
8	12E-6	LKWSHR, Dash Lamp Mounting	2	42	14D-10	NUT, Terminal to Gauge	1
9	18G-606	SCREW, Dash Lamp Mounting	2	43	14D-10	NUT, Terminal to Gauge	2
10	558673	HARNESS, Instrument Wiring	1	44	12E-8	LKWSHR, Terminal to Gauge	2
11	562141	LIGHT, Indicator	1	45	12E-10	LKWSHR, Terminal to Gauge	2
11A	427237	†BULB, Indicator Light	1	46	12E-10	LKWSHR, Terminal to Gauge	2
12	565430	WIRE, Lighter to Indicator Light	1	47	553405	WIRE, Ignition Switch to Ammeter	1
13	600259	BUTTON, Starter (Inc. 4, 13A)	1	48	14D-10	NUT, Gauge to Panel Mounting	3
13A	857420	†BOOT, Starter Button	1	49	552946	WIRE, Ignition Switch to Light Switch (Inc. 38)	1
14	553405	WIRE, Ignition Switch to Starter Button	1	50	2514253	**SWITCH, Light	1
15	549024	RECEPTACLE, Lighter	1	51	574275	TAB, Dash Lamp Wire to Light Switch	1
15A	944804	†FUSE, Lighter — 20 Amp	1	52	12D-8	NUT, Gauge to Panel Mounting	2
16	572729	CAGED NUT, Panel Retaining — Serial Group B only	1	53	601212	CLAMP, Instrument Mounting	1
17	601212	CLAMP, Instrument Mounting	2	54	14D-10	NUT, Gauge to Panel Mounting	1
18	602350	SEPARATOR, Oil & Air Gauges	2	55	601212	CLAMP, Instrument Mounting	2
19	14D-10	NUT, Gauge to Panel Mounting	1	56	550743	BUSHING, Light Switch	1
20	12D-8	NUT, Gauge to Panel Mounting	1	57	550742	ROD, Light Switch	1
21	14D-10	NUT, Gauge to Panel Mounting	1	58	550735	AMMETER	1
22	12D-8	NUT, Gauge to Panel Mounting	1	59	551322	*GAUGE, Engine Temperature	1
23	12E-10	LKWSHR, Terminal to Gauge	1	60	551321	GAUGE, Torque Converter Temperature	1
24	12E-8	LKWSHR, Terminal to Gauge	1	61	17C-616	BOLT, Instrument Panel Mounting	2
25	14D-10	NUT, Terminal to Gauge	1	62	3G-608	SCREW, Resistor Mounting	2
26	12D-8	NUT, Terminal to Gauge	1	63	4E-06	LKWSHR, Instrument Panel Mounting	2
27	12E-8	LKWSHR, Terminal to Gauge	1	64	656672	WASHER, Instrument Panel Mounting	2
28	12D-8	NUT, Terminal to Gauge	1	65	4E-06	LKWSHR, Instrument Panel Mounting	1
29	14D-10	NUT, Terminal to Gauge	1	66	17C-616	BOLT, Instrument Panel Mounting	1
30	12E-10	LKWSHR, Terminal to Gauge	1				
31	573548	SWITCH, Ignition	1				
32	12D-6	NUT, Resistor Mounting	2				

†Not Illustrated
§Not Sold Separately
Serial Group A: 7AFC101 thru 7AFC999 *NOTE: For replacement refer to Service Gram S.G.-326B.
Serial Group B: 8AFC101 thru 8AFC999 **NOTE: For replacement with a new switch, the mounting hole must be enlarged to .4688.

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



INSTRUMENT PANEL ASSEMBLY - CUMMINS
For Serial: 9AFC101 thru 9AFC131, 9AFC133 thru 9AFC141, 9AFC143, 9AFC145 thru 9AFC147.

TS-7067-P

INSTRUMENT PANEL ASSEMBLY — CUMMINS

For Serial: 9AFC101 thru 9AFC131, 9AFC133 thru 9AFC141, 9AFC143, 9AFC145 thru 9AFC147

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	551319	GAUGE, Engine Oil Pressure	1	34	553405	WIRE, Ignition Switch to Resistor	1
2	517228	*GAUGE, Air Pressure	1	35	556489	RESISTOR, Voltage	1
3	574117	PANEL, Instrument	1	36	573587	WIRE, Resistor to Temperature Gauge	1
4	-----	§BUTTON, Starter Push (See Item 13)	—	37	571021	FUSE, ¼ Amp	1
5	547237	PLATE, Starter Button	1	38	611074	FUSE, 20 Amp	1
6	944803	ELEMENT, Lighter	1	39	12D-8	NUT, Terminal to Gauge	1
7	574276	LAMP, Dash	1	40	14D-10	NUT, Terminal to Gauge	1
7A	945055	†BULB, Dash Lamp	1	41	12D-8	NUT, Terminal to Gauge	1
8	12E-6	LKWSHR, Dash Lamp Mounting	2	42	14D-10	NUT, Terminal to Gauge	1
9	18G-606	SCREW, Dash Lamp Mounting	2	43	14D-10	NUT, Terminal to Gauge	2
10	558673	HARNESS, Instrument Wiring	1	44	12E-8	LKWSHR, Terminal to Gauge	2
11	562141	LIGHT, Indicator	1	45	12E-10	LKWSHR, Terminal to Gauge	2
11A	427237	†BULB, Indicator Light	1	46	12E-10	LKWSHR, Terminal to Gauge	2
12	565430	WIRE, Lighter to Indicator Light	1	47	553405	WIRE, Ignition Switch to Ammeter	1
13	600259	BUTTON, Starter (Inc. 4, 13A)	1	48	14D-10	NUT, Gauge to Panel Mounting	3
13A	857420	†BOOT, Starter Button	1	49	552946	WIRE, Ignition Switch to Light Switch (Inc. 38)	1
14	553405	WIRE, Ignition Switch to Starter Button	1	50	2514253	**SWITCH, Light	1
15	549024	RECEPTACLE, Lighter (Inc. 15A)	1	51	574275	TAB, Dash Lamp Wire to Light Switch	1
15A	944804	†FUSE, Lighter — 20 Amp	1	52	12D-8	NUT, Gauge to Panel Mounting	2
16	572729	CAGED NUT, Panel Retaining	1	53	601212	CLAMP, Instrument Mounting	1
17	601212	CLAMP, Instrument Mounting	2	54	14D-10	NUT, Gauge to Panel Mounting	1
18	602350	SEPARATOR, Oil & Air Gauges	2	55	601212	CLAMP, Instrument Mounting	2
19	14D-10	NUT, Gauge to Panel Mounting	1	56	550743	BUSHING, Light Switch	1
20	12D-8	NUT, Gauge to Panel Mounting	1	57	550742	ROD, Light Switch	1
21	14D-10	NUT, Gauge to Panel Mounting	1	58	550735	AMMETER	1
22	12D-8	NUT, Gauge to Panel Mounting	1	58A	602350	†SEPARATOR, Ammeter	1
23	12E-10	LKWSHR, Terminal to Gauge	1	59	551322	*GAUGE, Engine Temperature	1
24	12E-8	LKWSHR, Terminal to Gauge	1	60	551321	GAUGE, Torque Converter Temperature	1
25	14D-10	NUT, Terminal to Gauge	1	61	17C-616	BOLT, Instrument Panel Mounting	2
26	12D-8	NUT, Terminal to Gauge	1	62	3G-608	SCREW, Resistor Mounting	2
27	12E-8	LKWSHR, Terminal to Gauge	1	63	4E-06	LKWSHR, Instrument Panel Mounting	2
28	12D-8	NUT, Terminal to Gauge	1	64	565280	WASHER, Instrument Panel Mounting	2
29	14D-10	NUT, Terminal to Gauge	1	65	4E-06	LKWSHR, Instrument Panel Mounting	1
30	12E-10	LKWSHR, Terminal to Gauge	1	66	17C-616	BOLT, Instrument Panel Mounting	1
31	573548	SWITCH, Ignition	1				
32	12D-6	NUT, Resistor Mounting	2				
33	17E-6	LKWSHR, Resistor Mounting	2				

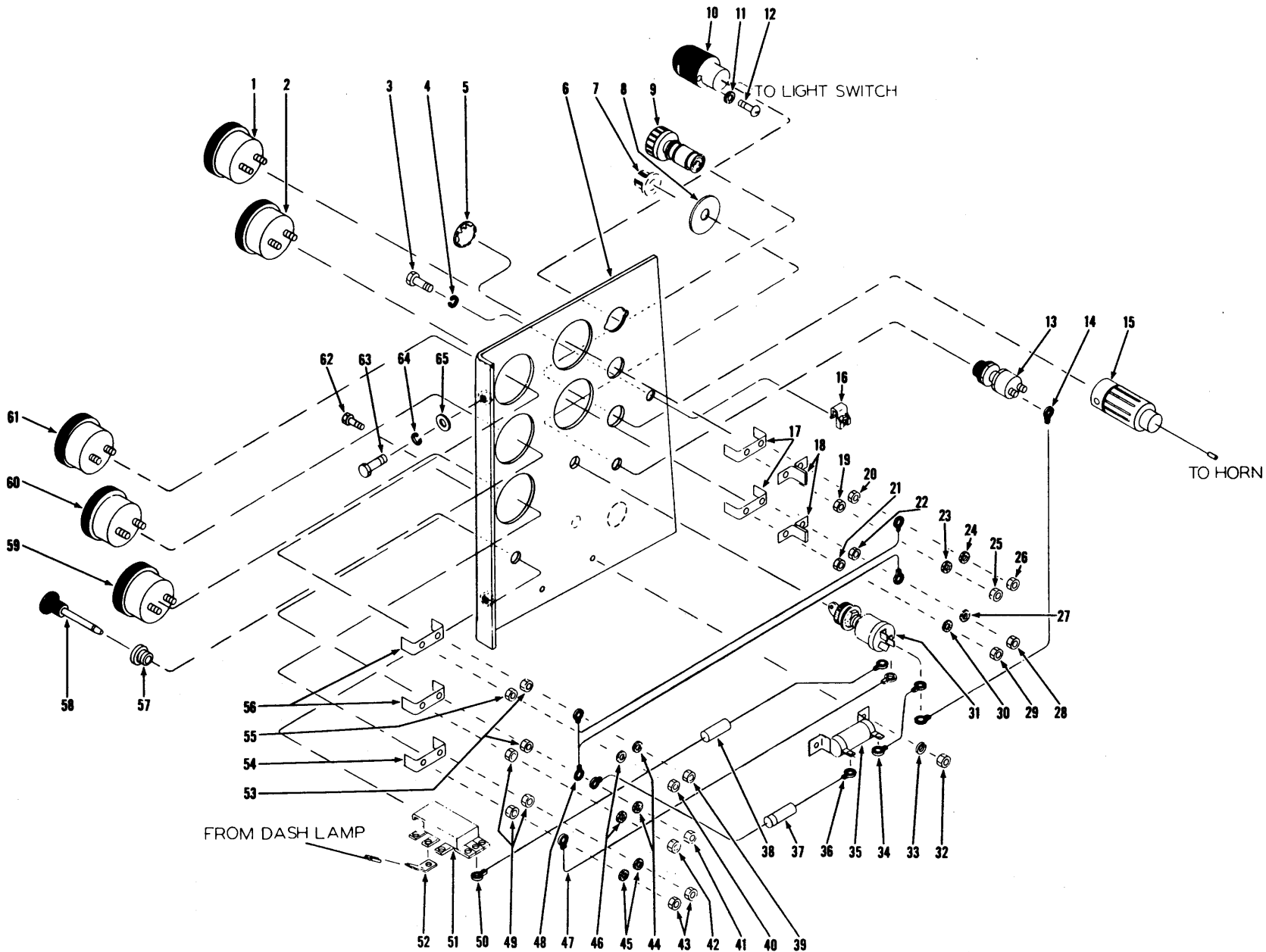
†Not Illustrated

§Not Sold Separately

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

**NOTE: For replacement with a new switch, the mounting hole must be enlarged to .4688.

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



INSTRUMENT PANEL ASSEMBLY - CUMMINS

For Serial: 9AFC132, 9AFC142, 9AFC144, 9AFC148 thru 10AFC210

TS-7821-P

INSTRUMENT PANEL ASSEMBLY — CUMMINS

For Serial: 9AFC132, 9AFC142, 9AFC144, 9AFC148 thru 10AFC210

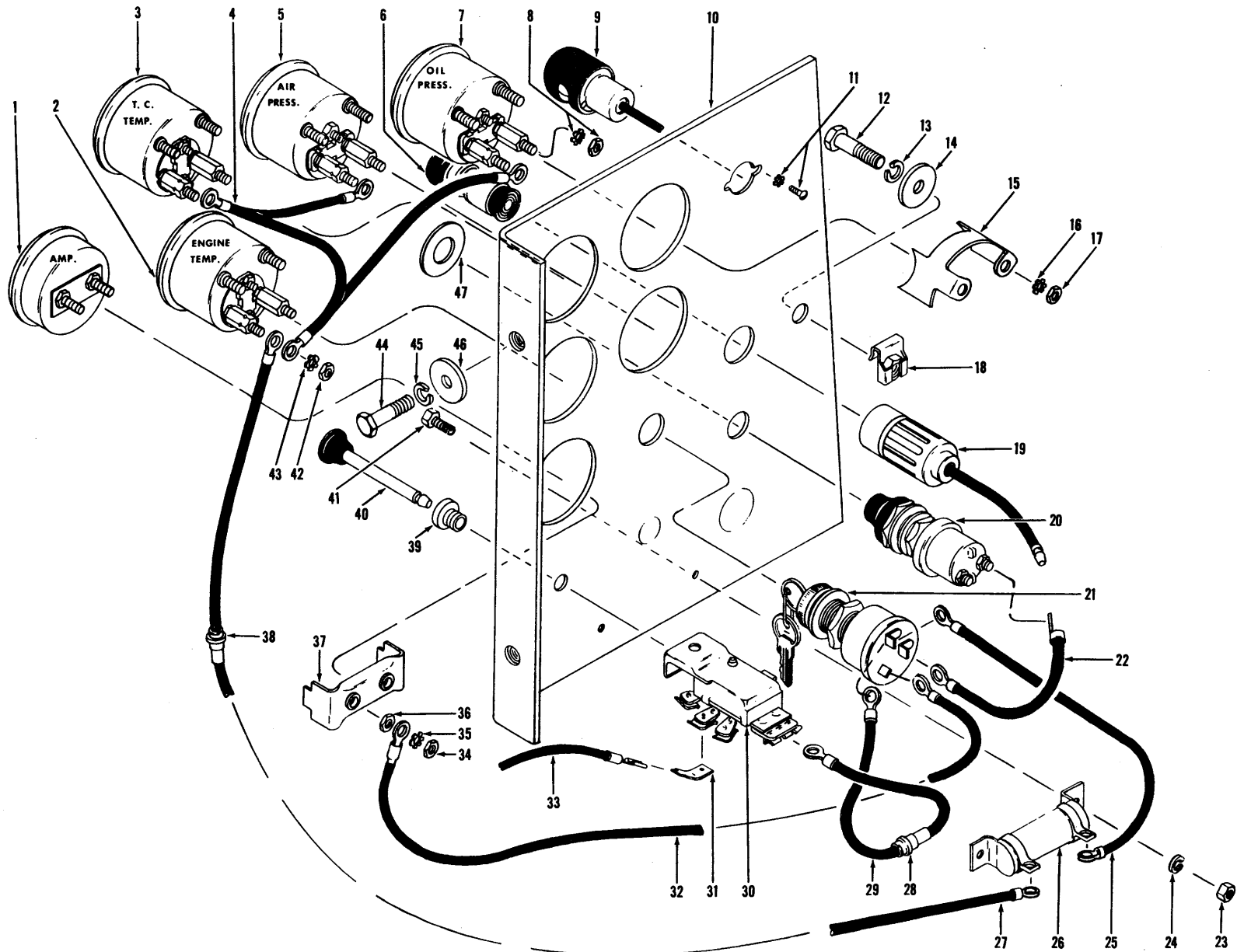
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	551319	GAUGE, Engine Oil Pressure	1	34	553405	WIRE, Ignition Switch to Resistor	1
2	517228	*GAUGE, Air Pressure	1	35	556489	RESISTOR, Voltage	1
3	17C-616	BOLT, Instrument Panel Mounting	1	36	573587	WIRE, Resistor to Temperature Gauge	1
4	4E-06	LKWSHR, Instrument Panel Mounting	1	37	571021	FUSE, 3/4 Amp.	1
5	742710	PLUG, Instrument Panel	1	38	611074	FUSE, 20 Amp.	1
6	1526350	PANEL, Instrument	1	39	12D-8	NUT, Terminal to Gauge	1
7	-----	§BUTTON, Starter Push — See 13	1	40	14D-10	NUT, Terminal to Gauge	1
8	547237	PLATE, Starter Button	1	41	12D-8	NUT, Terminal to Gauge	1
9	944803	ELEMENT, Lighter	1	42	14D-10	NUT, Terminal to Gauge	1
10	574276	LAMP, Dash	1	43	14D-10	NUT, Terminal to Gauge	2
10A	945055	†BULB, Dash Lamp	1	44	12E-8	LKWSHR, Terminal to Gauge	2
11	12E-6	LKWSHR, Dash Lamp Mounting	2	45	12E-10	LKWSHR, Terminal to Gauge	2
12	18G-606	SCREW, Dash Lamp Mounting	2	46	12E-10	LKWSHR, Terminal to Gauge	2
13	600259	BUTTON, Starter Push (Inc. 7, 13A)	1	47	553405	WIRE, Ignition Switch to Ammeter	1
13A	857420	†BOOT, Starter Button	1	48	558673	HARNESS, Instrument Wiring	1
14	553405	WIRE, Ignition Switch to Starter Button	1	49	14D-10	NUT, Gauge to Panel Mounting	3
15	549024	RECEPTACLE, Lighter (Inc. 15A)	1	50	552946	WIRE, Ignition Switch to Light Switch (Inc. 38)	1
15A	944804	†FUSE, Lighter	1	51	2514253 **	SWITCH, Light	1
16	572729	CAGED NUT, Panel Retaining	1	52	574275	TAB, Dash Lamp Wire to Light Switch	1
17	601212	CLAMP, Instrument Mounting	2	53	12D-8	NUT, Gauge to Panel Mounting	2
18	602350	SEPARATOR, Oil & Air Gauges	2	54	601212	CLAMP, Instrument Mounting	1
19	14D-10	NUT, Gauge to Panel Mounting	1	55	14D-10	NUT, Gauge to Panel Mounting	1
20	12D-8	NUT, Gauge to Panel Mounting	1	56	601212	CLAMP, Instrument Mounting	2
21	14D-10	NUT, Gauge to Panel Mounting	1	57	550743	BUSHING, Light Switch	1
22	12D-8	NUT, Gauge to Panel Mounting	1	58	550742	ROD, Light Switch	1
23	12E-10	LKWSHR, Gauge to Panel Mounting	1	59	550735	AMMETER	1
24	12E-8	LKWSHR, Terminal to Gauge	1	59A	602350	†SEPARATOR, Ammeter	1
25	14D-10	NUT, Terminal to Gauge	1	60	551322	*GAUGE, Engine Temperature	1
26	12D-8	NUT, Terminal to Gauge	1	61	551321	GAUGE, Torque Converter Temperature	1
27	12E-8	LKWSHR, Terminal to Gauge	1	62	3G-608	SCREW, Resistor Mounting	2
28	12D-8	NUT, Terminal to Gauge	1	63	17C-616	BOLT, Instrument Panel Mounting	2
29	14D-10	NUT, Terminal to Gauge	1	64	4E-06	LKWSHR, Instrument Panel Mounting	2
30	12E-10	LKWSHR, Terminal to Gauge	1	65	565280	WASHER, Instrument Panel Mounting	2
31	573548	SWITCH, Ignition	1				
32	12D-6	NUT, Resistor Mounting	2				
33	17E-6	LKWSHR, Resistor Mounting	2				

§Not Sold Separately
†Not Illustrated

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

**NOTE: For replacement with a new switch, the mounting hole must be enlarged to .4688.

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



INSTRUMENT PANEL ASSEMBLY

For Serial: Cummins — 10AFC211 & after. G.M. — 11AFG101 & after.

TS-8392-P



INSTRUMENT PANEL ASSEMBLY
For Serial : Cummins - 10AFC211 and after
G.M. - 11AFG101 and after

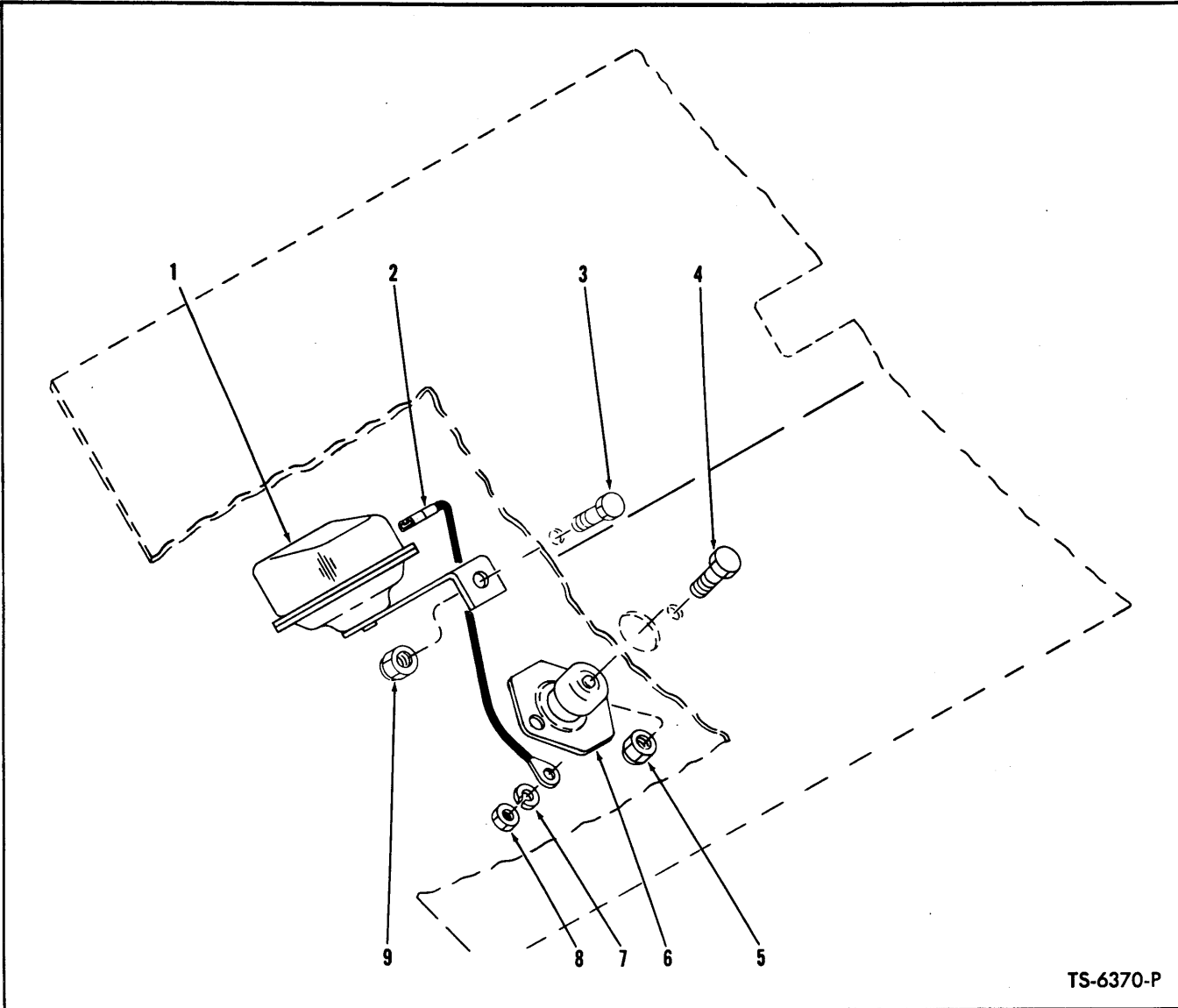
Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. Lists 47 items including ammeters, gauges, harnesses, lights, switches, and mounting hardware.

†Not Illustrated §Not Sold Separately
*NOTE: For replacement with a new switch the mounting hole must be enlarged to .4688.

NOTES

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

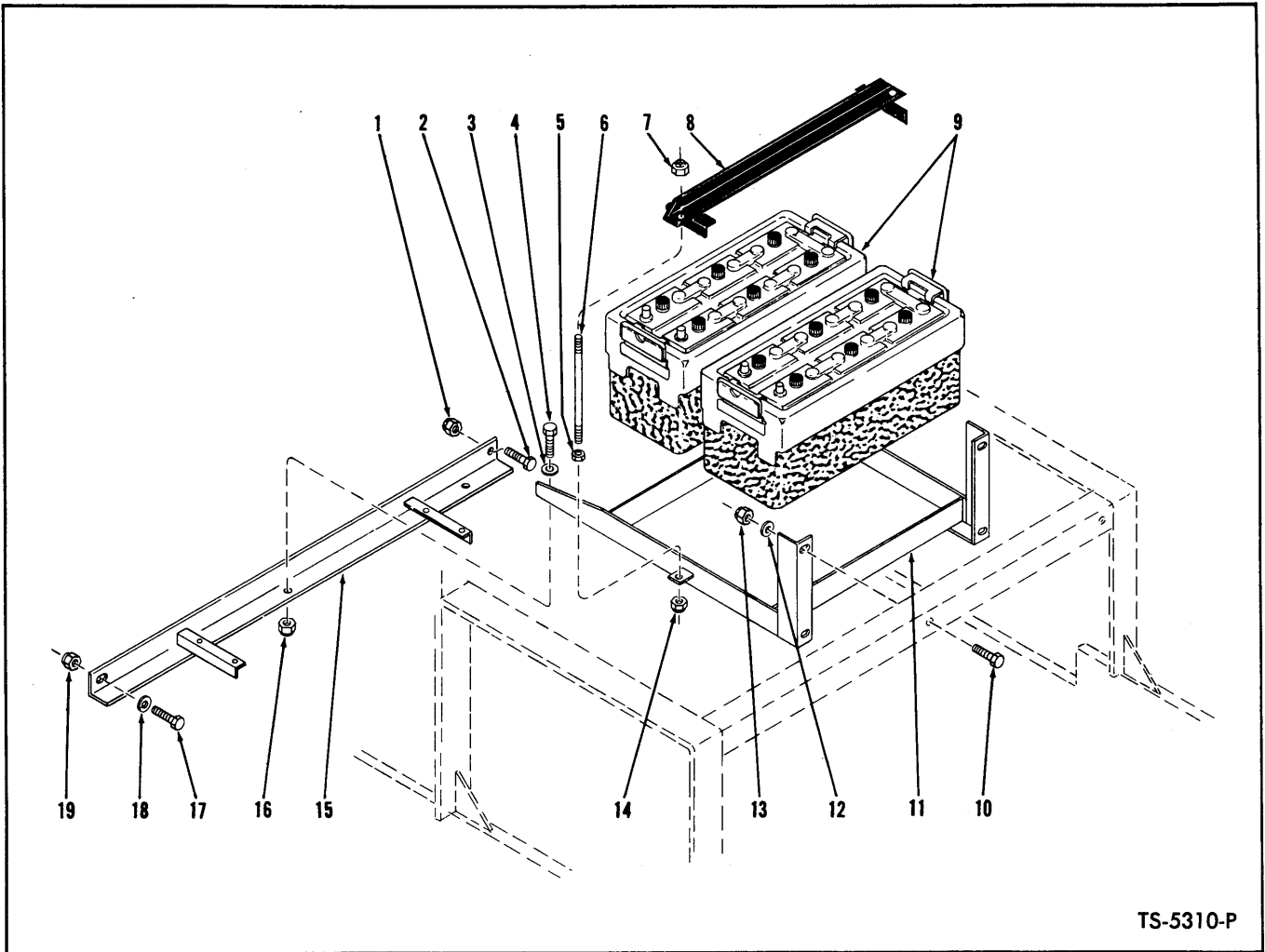


TS-6370-P

HORN AND FOOT SWITCH

Item No.	Part No.	Description	No. Req'd.
1	885083	HORN	1
2	572373	WIRE, Horn to Foot Switch	1
3	18C-416	BOLT, Horn Mounting	1
4	18C-416	BOLT, Foot Switch Mounting	2
5	18D-04	NUT, Foot Switch Mounting	2
6	778570	SWITCH, Foot - Horn (Inc. 7, 8)	1
7	4E-06	LKWSHR, Wire to Foot Switch	1
8	15D-06	NUT, Wire to Foot Switch	1
9	18D-04	NUT, Horn Mounting	1

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

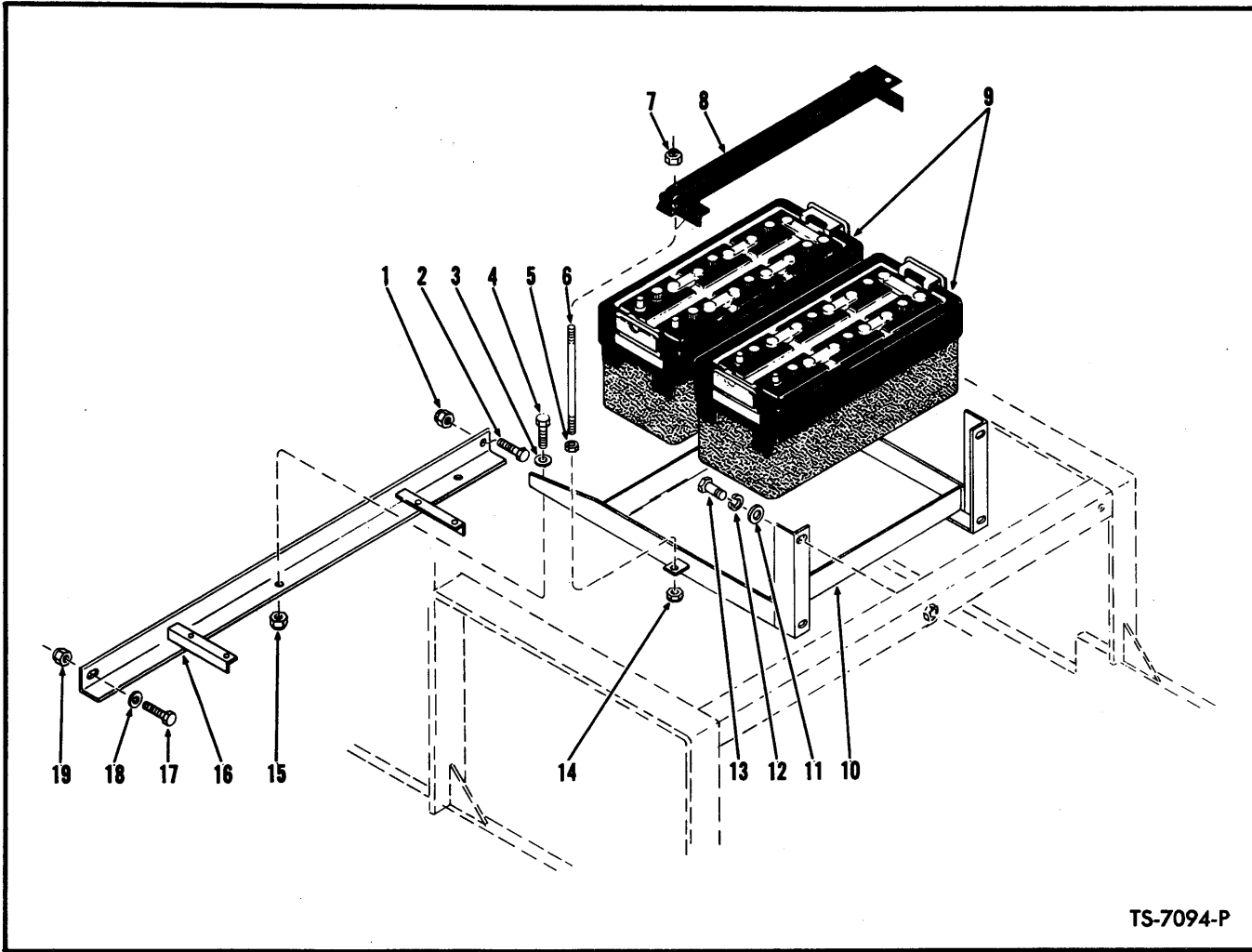


TS-5310-P

BATTERIES AND BATTERY BOX — CUMMINS
For Serial: 7AFC101 thru 7AFC999

Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Support Angle to Frame	1
2	18C-824	BOLT, Support Angle to Frame	1
3	635682	WASHER, Battery Box to Support Angle	2
4	18C-820	BOLT, Battery Box to Support Angle	2
5	7D-05	NUT, Hold Down Stud to Box Jam	2
6	600183	STUD, Battery Hold Down to Battery Box	2
7	17D-2	NUT, Battery Hold Down	2
8	566629	HOLD DOWN, Battery	1
9	655054	BATTERY	2
10	18C-824	BOLT, Battery Box to Frame	2
11	572885	BOX, Battery	1
12	635682	WASHER, Battery Box to Frame	2
13	18D-08	NUT, Battery Box to Frame	2
14	17D-2	NUT, Hold Down Stud to Box	2
15	568305	ANGLE, Battery Box Support	1
16	18D-08	NUT, Battery Box to Support Angle	2
17	18C-824	BOLT, Support Angle to Frame	1
18	635682	WASHER, Support Angle to Frame	1
19	18D-08	NUT, Support Angle to Frame	1

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



TS-7094-P

BATTERIES AND BATTERY BOX
For Serial: Cummins — 8AFC101 and after
G.M. — 11AFG101 and after

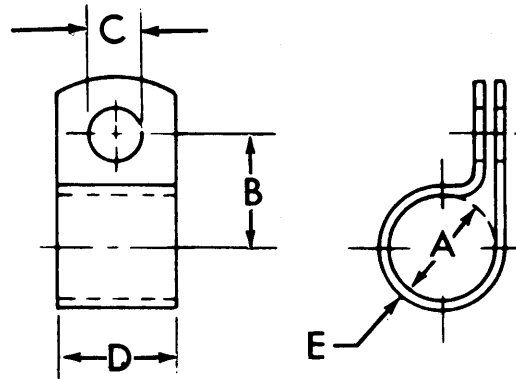
Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Support Angle to Frame	1
2	18C-824	BOLT, Support Angle to Frame	1
3	635682	WASHER, Battery Box to Support Angle	2
4	18C-820	BOLT, Battery Box to Support Angle	2
5	7D-05	NUT, Hold Down Stud Jam	2
6	600183	STUD, Battery Hold Down to Box	2
7	17D-2	NUT, Battery Hold Down to Stud	2
8	566629	HOLD DOWN, Battery	1
9	1310121	BATTERY	2
10	572885	BOX, Battery	1
11	635682	WASHER, Battery Box to Frame	2
12	4E-08	LKWSHR, Battery Box to Frame	2
13	17C-820	BOLT, Battery Box to Frame	2
14	7D-05	NUT, Hold Down Stud Jam	2
15	18D-08	NUT, Battery Box to Support Angle	2
16	568305	ANGLE, Battery Box Support	1
17	18C-824	BOLT, Support Angle to Frame	1
18	635682	WASHER, Support Angle to Frame	1
19	18D-08	NUT, Support Angle to Frame	1

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

WIRING, PIPE AND HOSE CLIPS

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

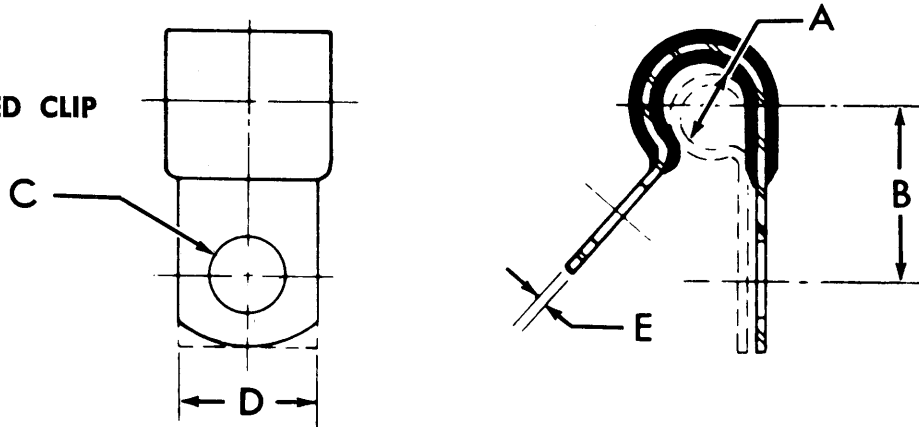
CLOSED CLIP



TS-5009-P

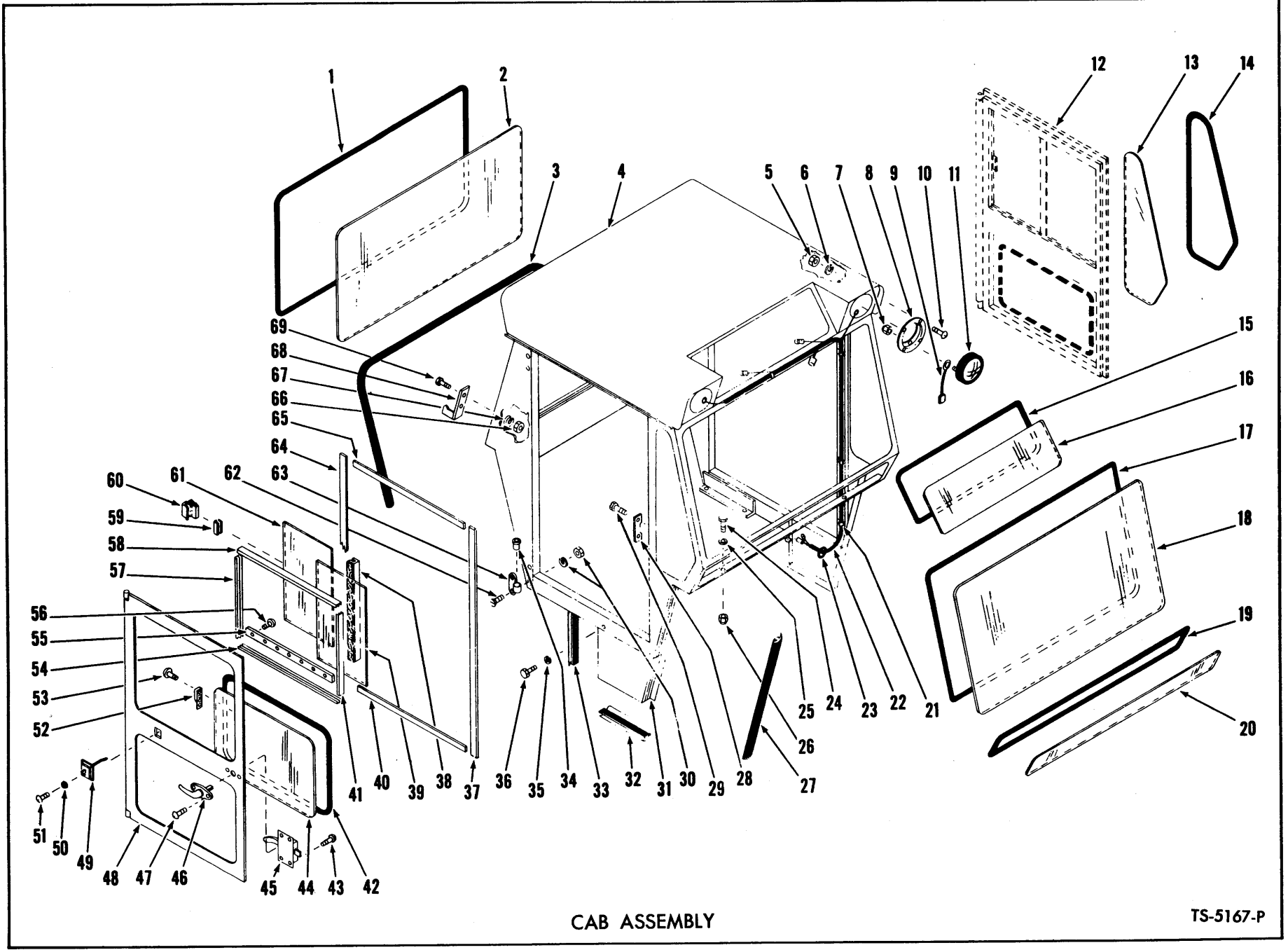
ITEM NO.	PART NUMBER	A	B	C	D	E	F
1	6H-20	1	1 $\frac{1}{6}$	1 $\frac{3}{2}$	$\frac{7}{8}$.060	
2	6H-30	$\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{3}{2}$	$\frac{3}{4}$.048	

INSULATED CLIP



TS-5008-P

ITEM NO.	PART NUMBER	A	B	C	D	E	F
3	30H-14	$\frac{1}{4}$	1 $\frac{7}{2}$	$\frac{3}{2}$	$\frac{1}{2}$.032	
4	30H-20	$\frac{5}{16}$	1 $\frac{1}{6}$	1 $\frac{3}{2}$	$\frac{3}{4}$.036	
5	30H-23	$\frac{3}{8}$	2 $\frac{3}{2}$	1 $\frac{3}{2}$	$\frac{3}{4}$.036	
6	30H-31	$\frac{1}{2}$	2 $\frac{5}{2}$	1 $\frac{3}{2}$	$\frac{3}{4}$.050	
7	30H-32	$\frac{1}{2}$	2 $\frac{7}{2}$	1 $\frac{5}{2}$	$\frac{7}{8}$.050	
8	30H-38	$\frac{5}{8}$	2 $\frac{7}{2}$	1 $\frac{3}{2}$	$\frac{3}{4}$.050	
9	30H-46	1 $\frac{3}{16}$	1 $\frac{5}{16}$	1 $\frac{3}{2}$	$\frac{3}{4}$.050	



CAB ASSEMBLY

TS-5167-P

CAB ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	568652	CAB ASSY (Inc. 1 thru 6, 8, 10, 12 thru 20, 27 thru 69)	1	37	569695	WEATHERSTRIP, Door - Front	8 ft.
1	569694	MOULDING, Rear Window	11 ft.	38	139149	CHANNEL, Glass Divider	2 ft.
2	-----	§GLASS PATTERN, Rear Window - See Item 70.....	-----	39	-----	§GLASS PATTERN, Sliding Door - See Item 70	-----
3	569692	WEATHERSTRIP, Cab - Rear	8 ft.	40	569695	WEATHERSTRIP, Door - Bottom	6 ft.
4	-----	§CAB - See Item "A"	-----	41	569696	CHANNEL, Side Glass Track	4 ft.
5	12D-10	NUT, Head Lamp Adapter Attaching	8	42	569694	MOULDING, Lower Door Glass	12 ft.
6	17E-10	LKWSHR, Head Lamp Adapter Attaching	8	43	66G-1008	SCREW, Lock to Door Attaching	8
7	50D-10	NUT, Head Lamp Attaching	6	44	-----	§GLASS PATTERN, Lower Door - See Item 70	-----
8	568675	ADAPTER, Head Lamp Panel	2	45	138249	LOCK, Door - R.H.	1
9	540882	WIRE, Head Lamp Ground	2	45A	942874	†LOCK, Door - L.H.	1
10	3G-1012	SCREW, Head Lamp Adapter Attaching	8	46	1525710	HANDLE, Door	2
11	582057	HEAD LAMP ASSY - 24V (Inc. 11A, 11B)	2	47	32G-1008	SCREW, Handle to Door Attaching	4
11A	551244	†SEALED UNIT, Head Lamp - 24V	2	48	568669	DOOR - R.H.	1
11B	944977	†RETAINER, Head Lamp	2	48A	568670	†DOOR - L.H.	1
12	-----	DOOR - See Item 48	-----	49	560650	CATCH, Door	2
13	-----	§GLASS PATTERN, Quarter Window - See Item 70	-----	50	17E-10	LKWSHR, Door Catch Attaching	8
14	569694	MOULDING, Quarter Window	5 ft.	51	79G-1010	SCREW, Door Catch Attaching	8
15	569694	MOULDING, Roof	6 ft.	52	557465	STRIKE, Window Lock	4
16	-----	§GLASS PATTERN, Roof - See Item 70	-----	53	5G-606	SCREW & LKWSHR ASSY, Window Lock Attaching	8
17	569694	MOULDING, Upper Windshield	12 ft.	54	569696	CHANNEL, Bottom Glass Track	4 ft.
18	-----	§GLASS PATTERN, Upper Windshield - See Item 70	-----	55	945577	RETAINER, Door Channel	2
19	569694	MOULDING, Lower Windshield	10 ft.	56	63G-1008	SCREW, Channel Retainer to Door	14
20	-----	§GLASS PATTERN, Lower Windshield - See Item 70	-----	57	569696	CHANNEL, Side Glass Track	4 ft.
21	541988	CLIP, Wiring Harness	4	58	569696	CHANNEL, Top Glass Track	4 ft.
22	1544318	WIRING HARNESS, Cab	1	59	589572	RUBBER, Lock to Glass Mounting	1 ft.
23	515069	GROMMET, Cab Wiring Harness	1	60	589571	LOCK, Sliding Glass	4
24	18C-628	BOLT, Cab Attaching	6	61	-----	§GLASS PATTERN, Sliding Door - See Item 70	-----
25	616783	WASHER, Cab Attaching	6	62	76G-512	SCREW, Hinge Attaching	8
26	18D-06	NUT, Cab Attaching	6	63	945554	HINGE, Door - R.H. Lower & L.H. Upper	2
27	569692	WEATHERSTRIP, Cab - Front	6 ft.	63A	945555	†HINGE DOOR - R.H. Upper & L.H. Lower	2
28	945576	STRIKE, Door Lock	2	64	569695	WEATHERSTRIP, Door - Rear	8 ft.
28A	1D-04	†NUT, Door Lock Strike	4	65	569695	WEATHERSTRIP, Door - Top	6 ft.
28B	4E-04	†LKWSHR, Door Lock Strike	2	66	1D-04	NUT, Door Latch Strike Attaching	4
29	47G-412	SCREW, Door Lock Strike Attaching	4	67	4E-04	LKWSHR, Door Latch Strike Attaching	4
30	1D-05	NUT, Cab Door Hinge Attaching	8	67A	25E-13	†WASHER, Door Latch Strike	4
30A	4E-05	LKWSHR, Cab Door Hinge Attaching	8	68	568676	STRIKE, Door Latch - R.H.	1
31	568686	PANEL, Lower Quarter - R.H.	1	68A	568677	†STRIKE, Door Latch - L.H.	1
31A	568687	†PANEL, Lower Quarter - L.H.	1	69	17C-410	BOLT, Door Latch Strike Attaching	4
32	569692	WEATHERSTRIP, Cab Front - Lower Panel - Rear	2 ft.	69A	25E-13	†WASHER, Door Latch Strike	4
33	569692	WEATHERSTRIP, Cab Quarter Panel - Rear	2 ft.	70	945903	GLASS PATTERN KIT (Inc. 2, 13, 16, 18, 20, 39, 44, 61)	1
34	568700	BUSHING, Cab Door Hinge	4	71	560651	†BUMPER, Rubber - Cab to Door	2
35	4E-04	LKWSHR, Lower Quarter Panel Attaching	6	72	32G-1016	†SCREW, Rubber Bumper Attaching	2
36	17C-410	BOLT, Lower Quarter Panel Attaching	6	72A	17E-10	†WASHER, Bumper Screw	2
				72B	12D-10	†NUT, Bumper Screw	2
				72C	874767	†SPACER, Bumper	2
				73	571854	†PANEL, Cab to Cockpit Rear	1
				74	18C-616	†BOLT, Panel Mounting	5
				75	18D-06	†NUT, Panel Mounting	5

§Not Sold Separately
†Not Illustrated

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

DECALS AND NAME PLATES

Item No.	Part No.	Description	No. Req'd.
1	2513351	*DECAL, Clark	2
2	-----	OMIT	—
3	572152	*DECAL, Model	2
4	1520495	*DECAL, Best on Earth	2
5	538256	*DECAL, Trans. Drain	1
6	572740	*DECAL, Warning	2
7	-----	OMIT	—
8	569451	*DECAL, Warning Light — For Cummins 7AFC101 thru 9AFC999	1
9	1505581	*DECAL, Safety Wiring	1
10	1505537	*DECAL, Safety Warning	1
11	1505536	*DECAL, Engine Warm-Up Warning	1
12	1534502	*DECAL, Trans. Filter	1
13	542074	PLATE, Patent	1
14	6C-605	SCREW, Patent Plate	4
15	1510525	PLATE, Lubrication Instruction	1
16	6C-605	SCREW, Instruction Plate	4
17	567978	PLATE, Shift Quadrant — 4 Speed	1
18	567947	PLATE, Shift Quadrant — Forward & Reverse	1
19	6C-605	SCREW, Quadrant Plates	4
20	569389	PLATE, Emergency Stop — G.M. Only	1
21	6C-605	SCREW, Stop Plate	2
22	548074	PLATE, Operating Precautions	1
23	65G-406	SCREW, Precaution Plate	4
24	1527430	PLATE, Reservoir Service	1
25	535649	NAME PLATE, Grille	1
26	7G-418	SCREW, Nameplate	4
27	20E-04	LKWSHR, Nameplate	4
28	565138	STRIP, Non-Skid Abrasive (6" x 32")	1
29	565139	STRIP, Non-Skid Abrasive (6" x 25")	1
30	1531606	STRIP, Non-Skid Abrasive (6" x 12-1/2")	6

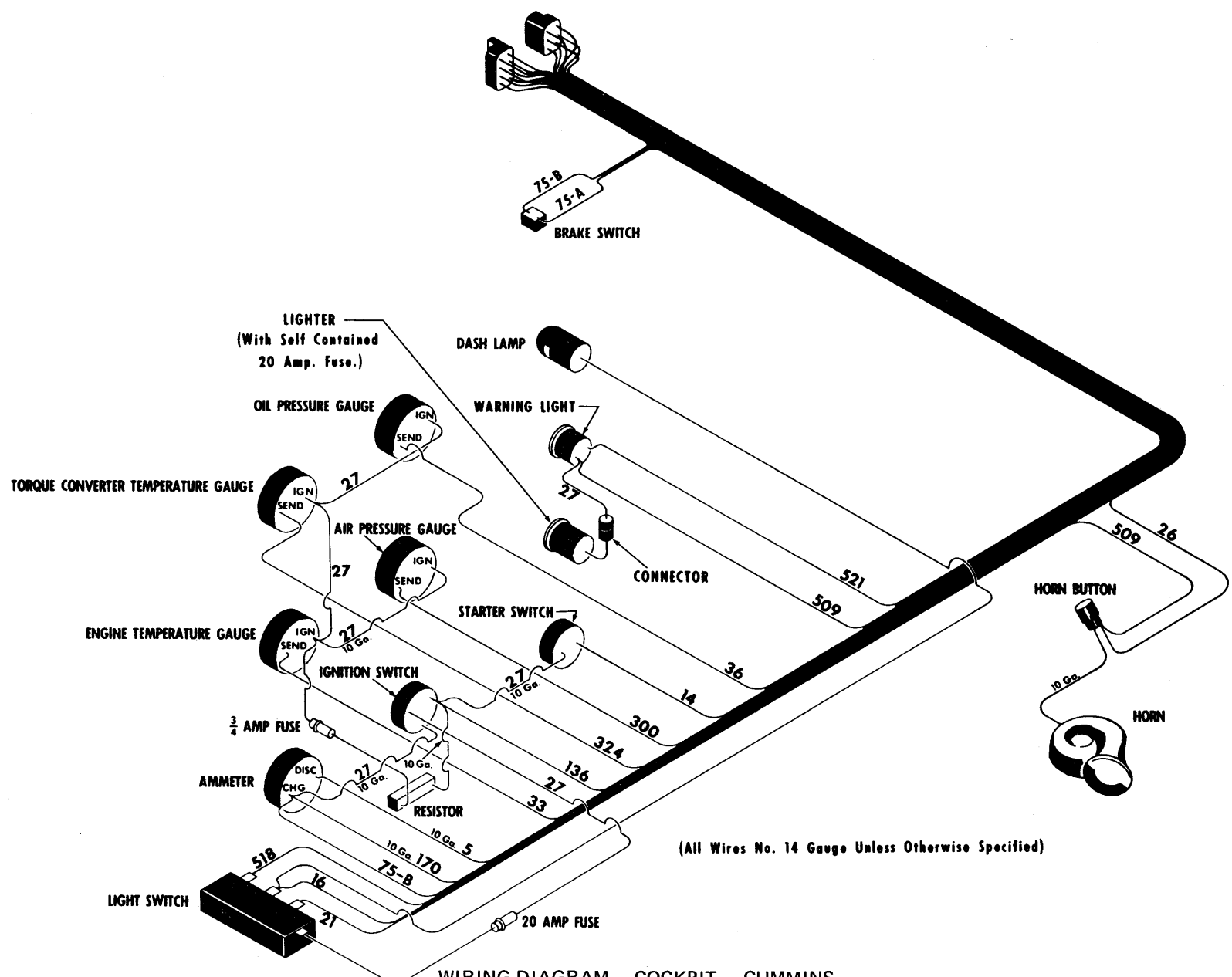
*NOTE: Contact your local Michigan Distributor for the above listed decals.

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

WIRING

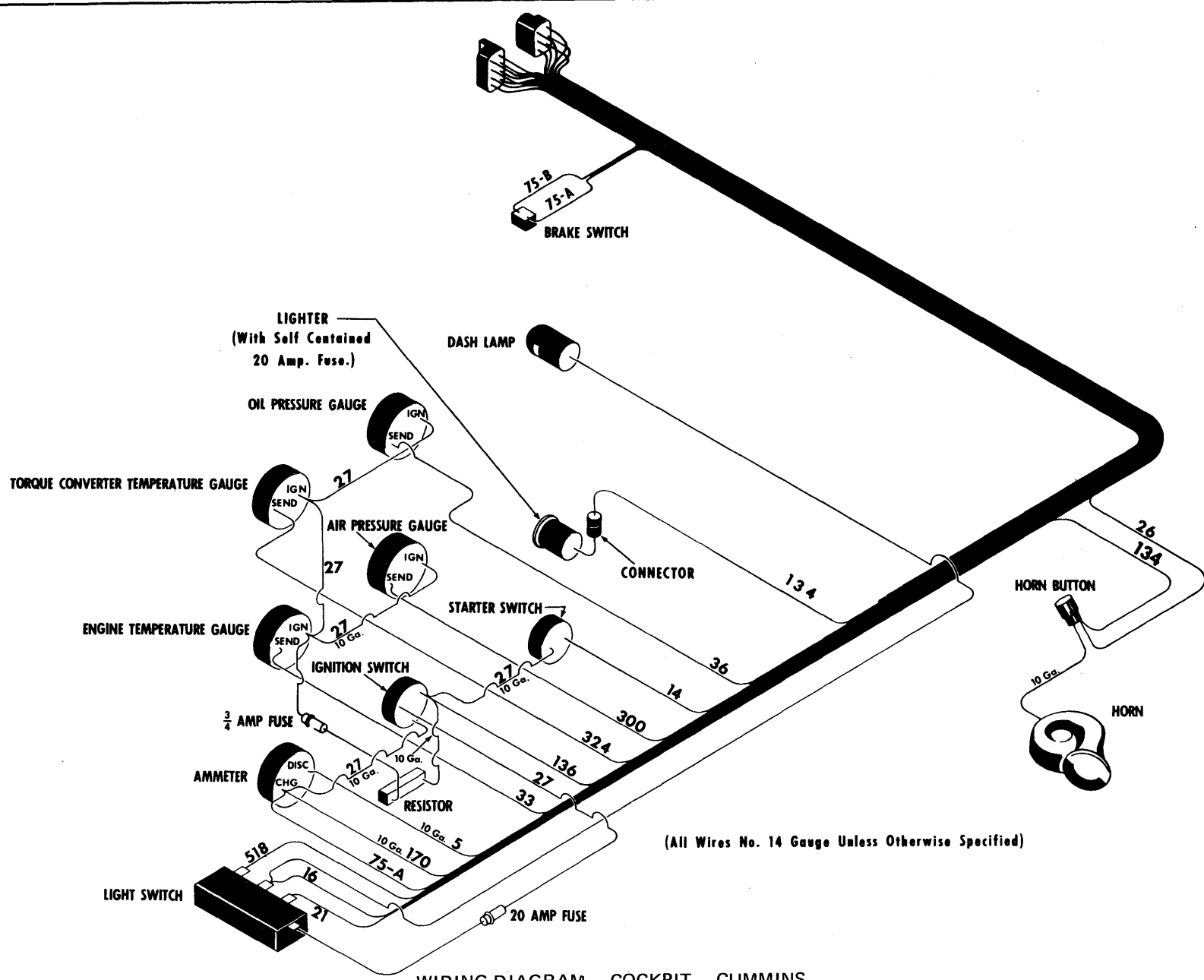
Item No.	Part No.	Description	No. Req'd.
1		<i>HARNESSES, Engine Wiring</i>	
1A	572361	For Cummins – 7AFC101 thru 9AFC999	1
1B	1526358	For Cummins – 10AFC101 thru 11AFC999	1
1C	1505025	For Cummins – 12AFC101 & after	1
1D	1526355	For G.M. – 11AFG101 thru 11AFG999	1
1E	1505027	For G.M. – 12AFG101 & after	1
2		<i>HARNESSES, Cockpit Wiring</i>	
2A	572308	For Cummins – 7AFC101 thru 9AFC999	1
2B	1526354	For Cummins – 10AFC101 thru 11AFC999	1
2C	1505029	For Cummins – 12AFC101 & after	1
2D	1526354	For G.M. – 11AFG101 thru 11AFG999	1
2E	1505029	For G.M. – 12AFG101 & after	1
3		<i>HARNESSES, Front Flood Lamp</i>	
3A	573207	For Cummins – 7AFC101 thru 11AFC999 & G.M. 11AFG101 thru 11AFG999.....	1
3B	1505023	For Cummins – 12AFC101 & after. G.M. – 12AFG101 & after	1
4	572360	HARNESSES, Flood Lamp	1
5		<i>HARNESSES, Tail Lamp</i>	
5A	562008	For Cummins – 7AFC101 thru 9AFC999	1
5B	1526349	For Cummins – 10AFC101 & after. G.M. – 11AFG101 & after.	1
6	1515900	WIRE, Back-Up Lamp Ground	2
7	558960	WIRE, Hourmeter Ground	1
8	558960	WIRE, Hourmeter to Relay	1
BATTERY CABLES			
1	557334	CABLE, Battery Ground	1
2	529359	CABLE, Battery to Battery	1
3	1546669	CABLE, Battery to Starter	1
4		<i>CABLE, Starter Ground</i>	
4A	532549	For Cummins Powered	1
4B	541063	For G.M. Powered	1
5	24C-612	BOLT, Ground Strap	1
6	4E-06	LKWSHR, Ground Strap	1

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



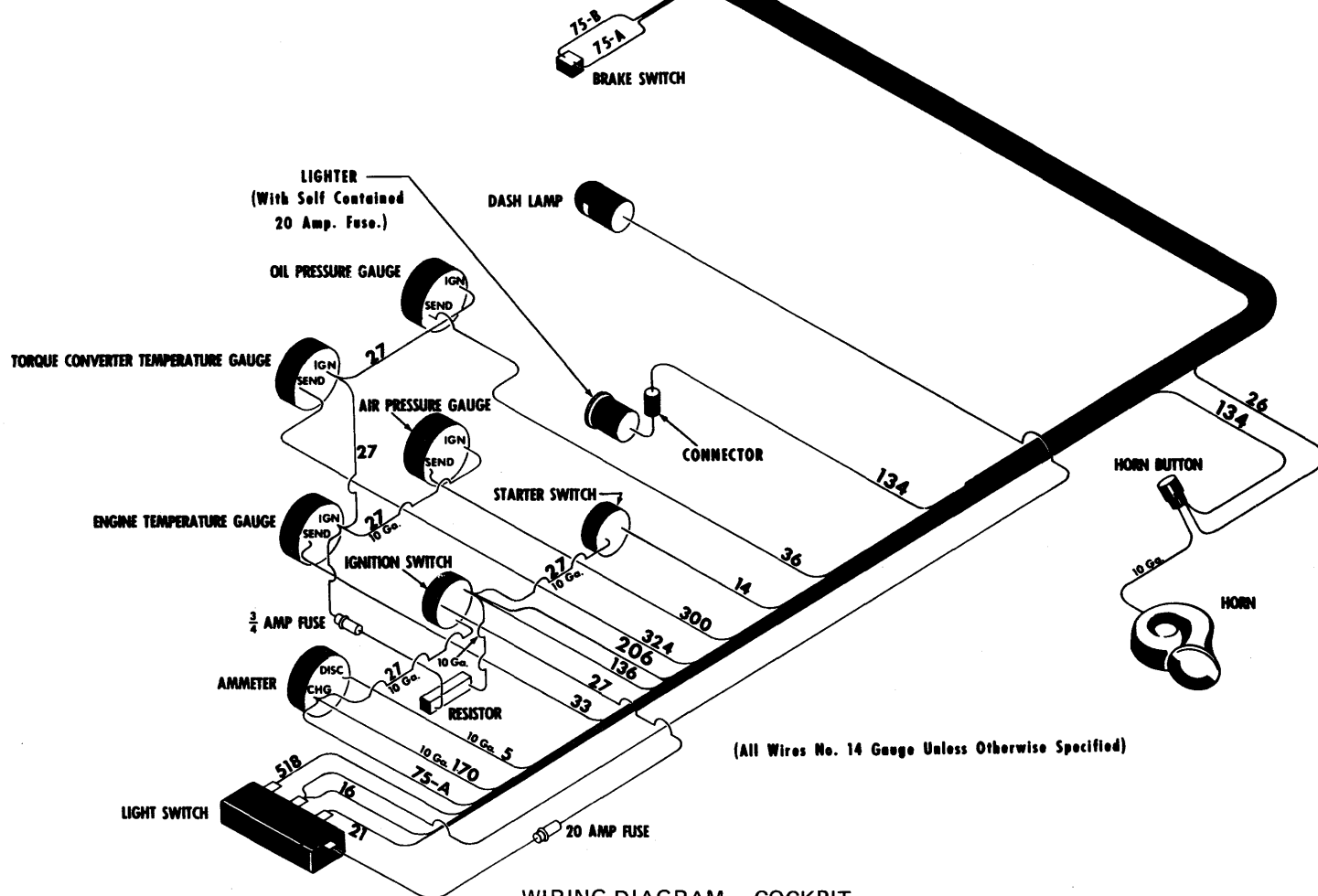
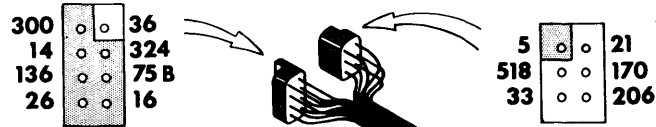
(All Wires No. 14 Gauge Unless Otherwise Specified)

WIRING DIAGRAM – COCKPIT – CUMMINS
For Serial – 9AFC101 thru 9AFC131, 9AFC133 thru 9AFC141, 9AFC143, 9AFC145 thru 9AFC147



WIRING DIAGRAM - COCKPIT - CUMMINS
For Serial: 9AFC132, 9AFC142, 9AFC144, 9AFC148 thru 9AFC999

FRONT FACE OF PLUGS



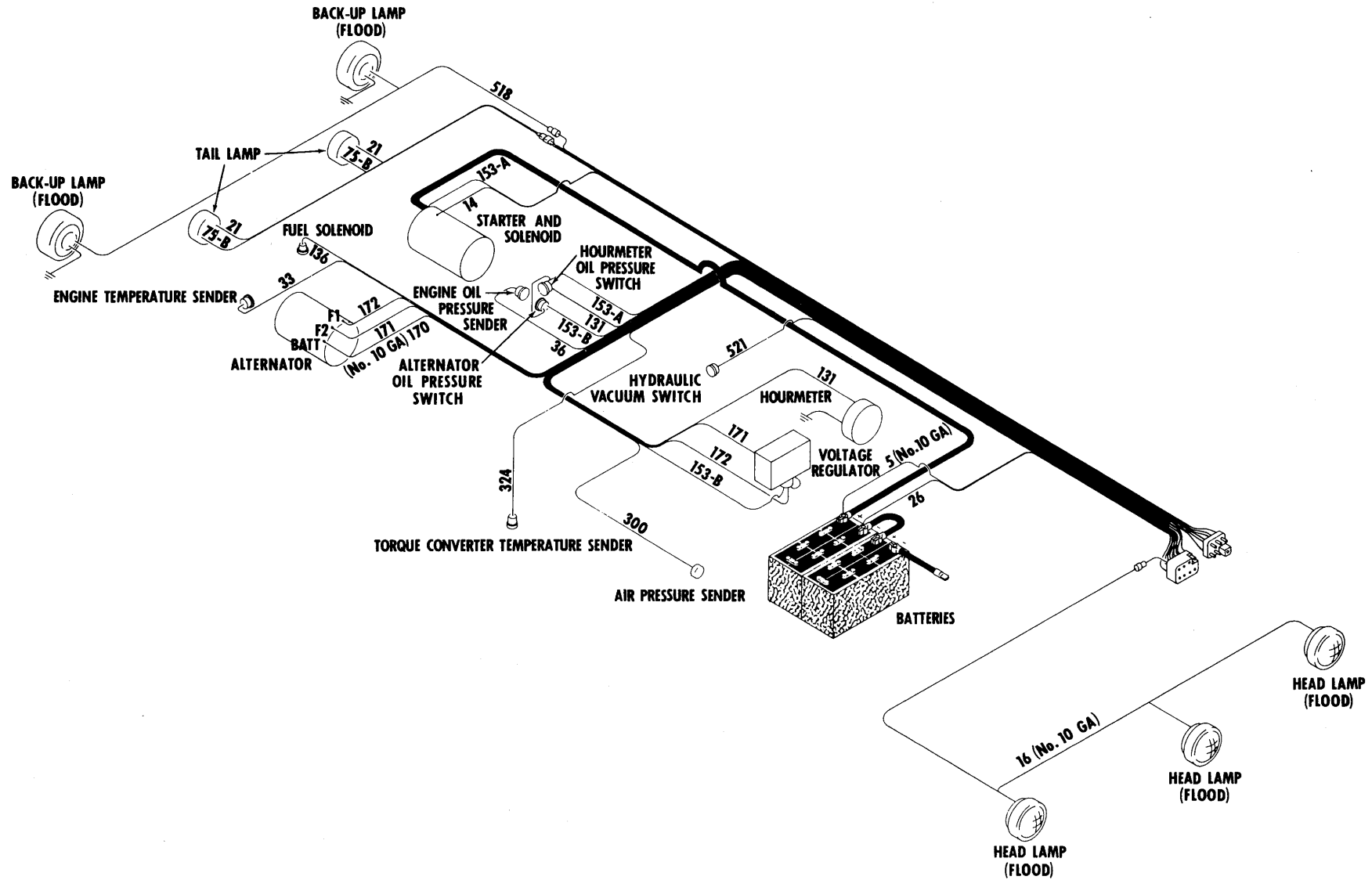
(All Wires No. 14 Gauge Unless Otherwise Specified)

WIRING DIAGRAM - COCKPIT
For Serial: Cummins - 10AFC101 & after. G.M. - 11AFG101 & after

TS-8038-P

PM 2521

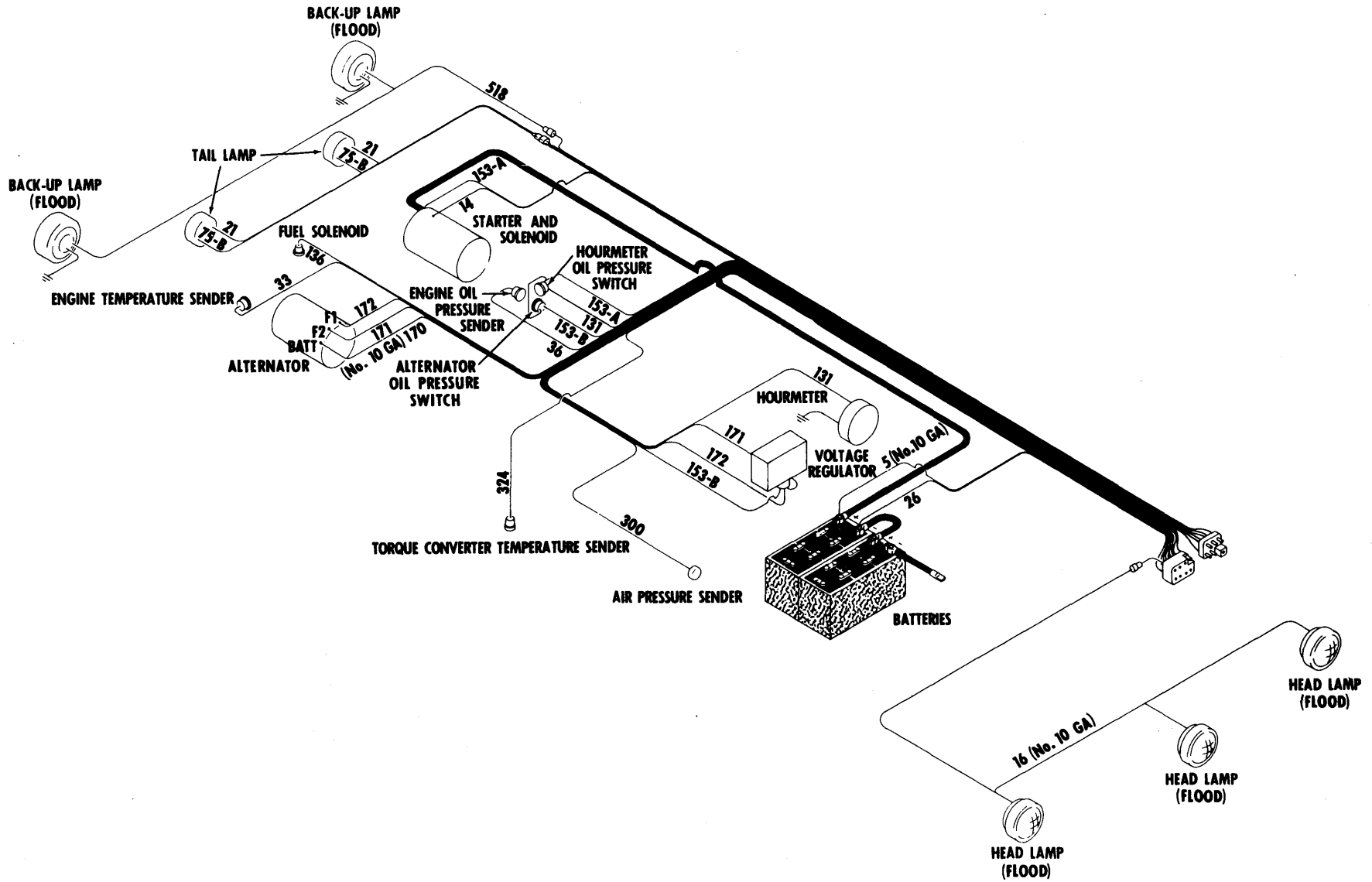
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WIRING DIAGRAM – ENGINE – CUMMINS

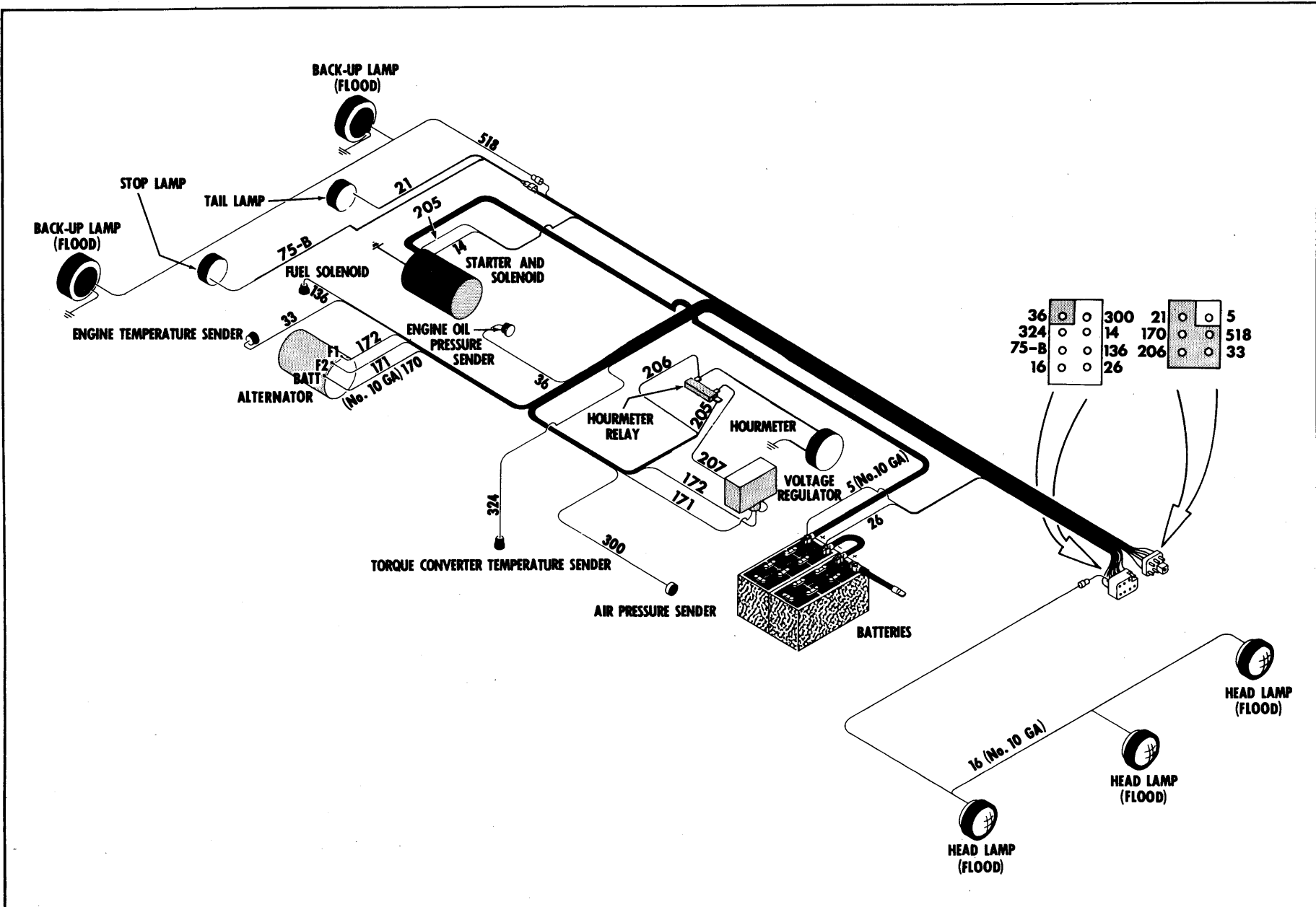
For Serial – 9AFC101 thru 9AFC131, 9AFC133 thru 9AFC141, 9AFC143, 9AFC145 thru 9AFC147

TS-5327-P

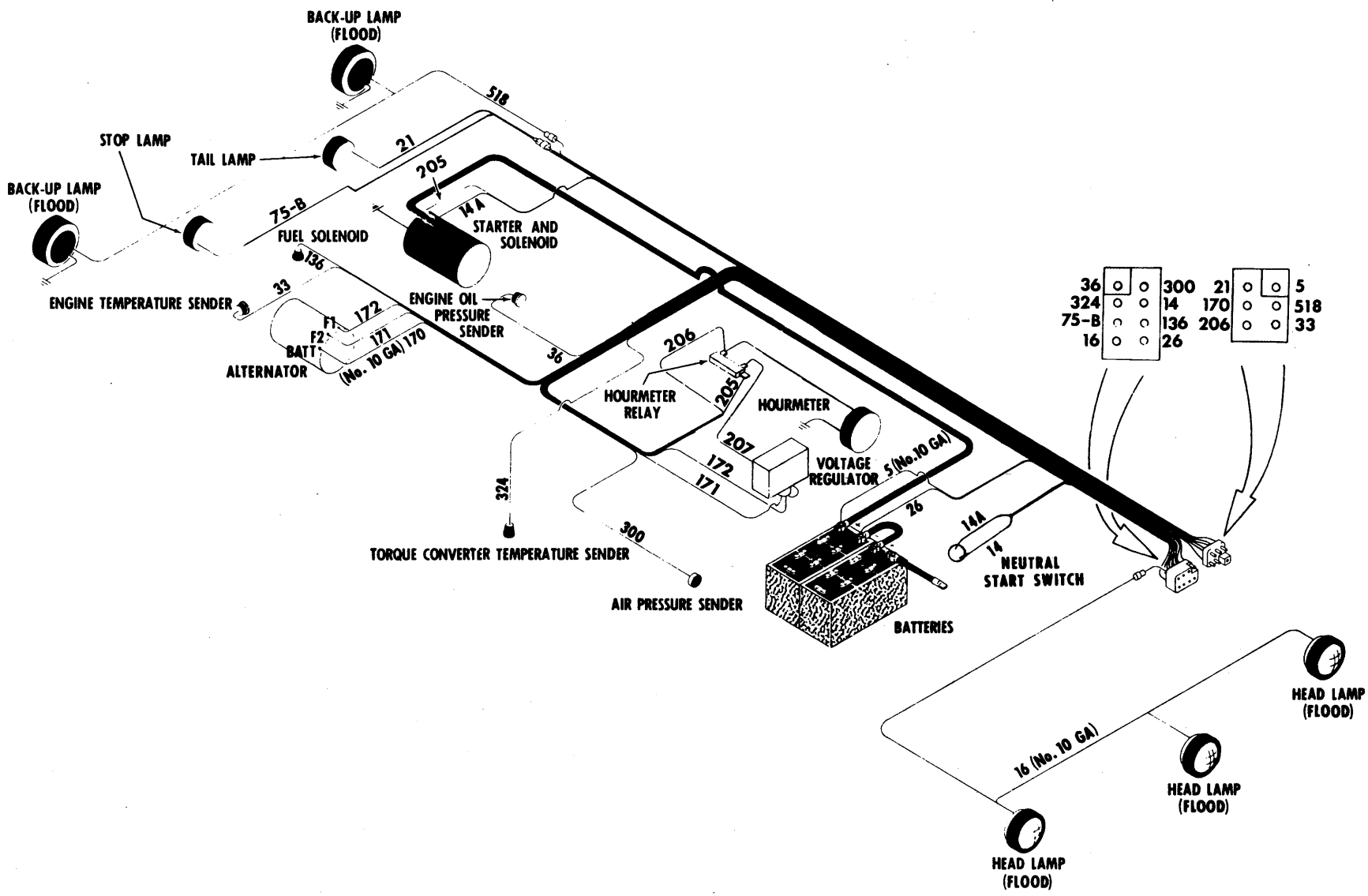


WIRING DIAGRAM – ENGINE – CUMMINS
For Serial – 9AFC132, 9AFC142, 9AFC144, 9AFC148 thru 9AFC999

TS-8045-P



WIRING DIAGRAM — ENGINE — CUMMINS
For Serial: 10AFC101 thru 11AFC999

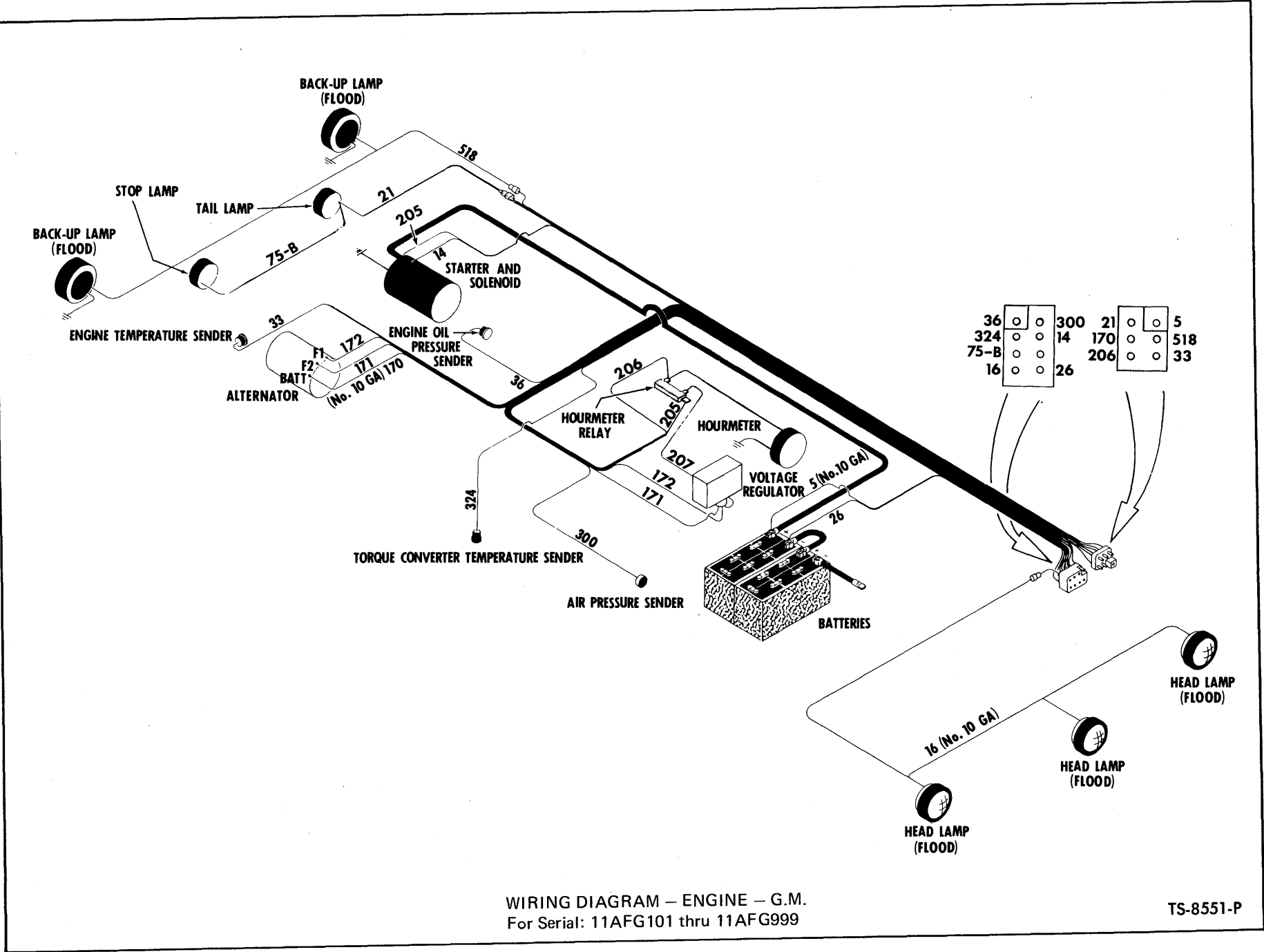


ENGINE WIRING DIAGRAM – CUMMINS
For Serial: 12AFC101 & after

TS-8914-P

2222

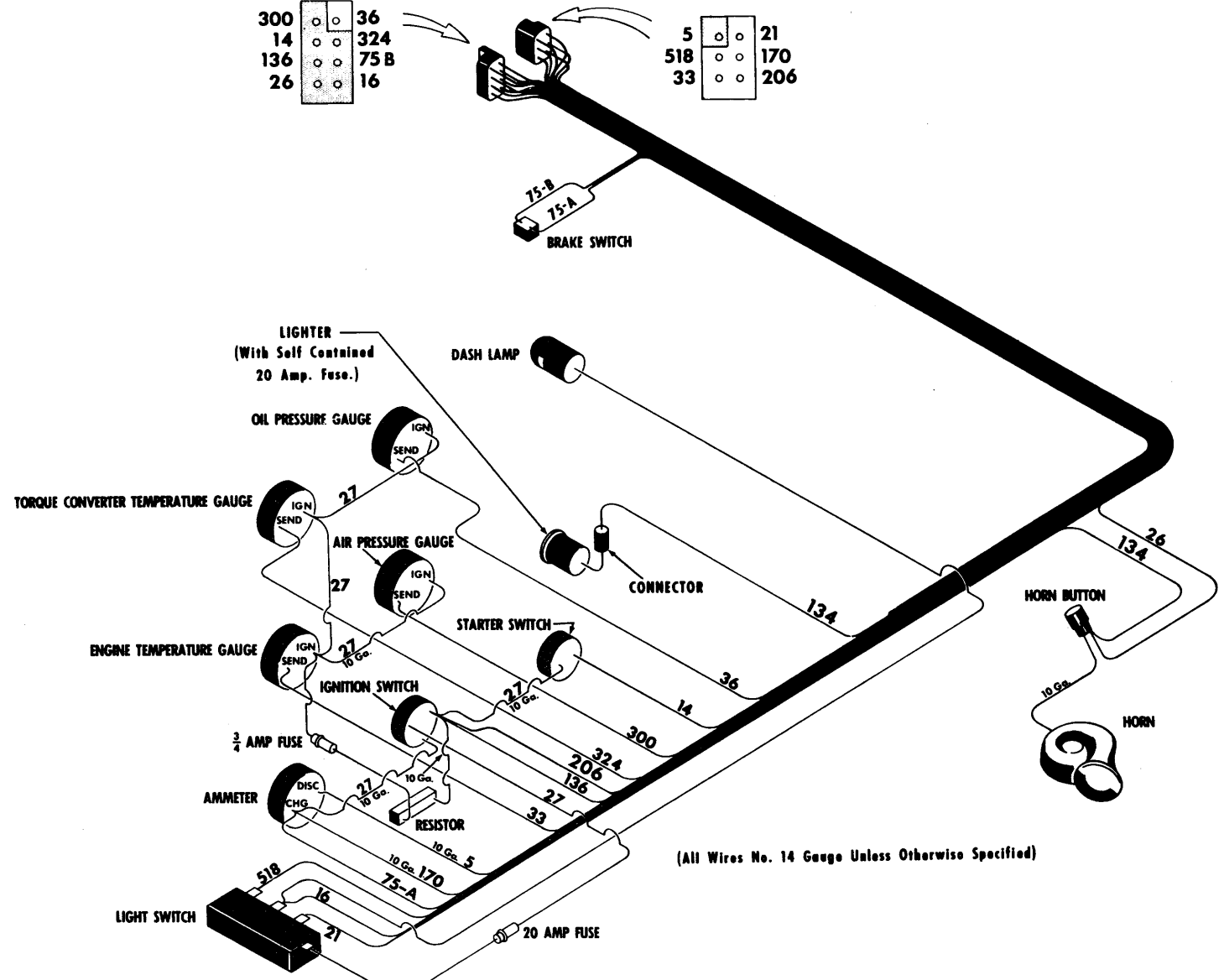
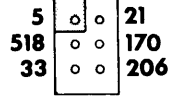
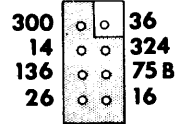
PM 2521



WIRING DIAGRAM – ENGINE – G.M.
For Serial: 11AFG101 thru 11AFG999

TS-8551-P

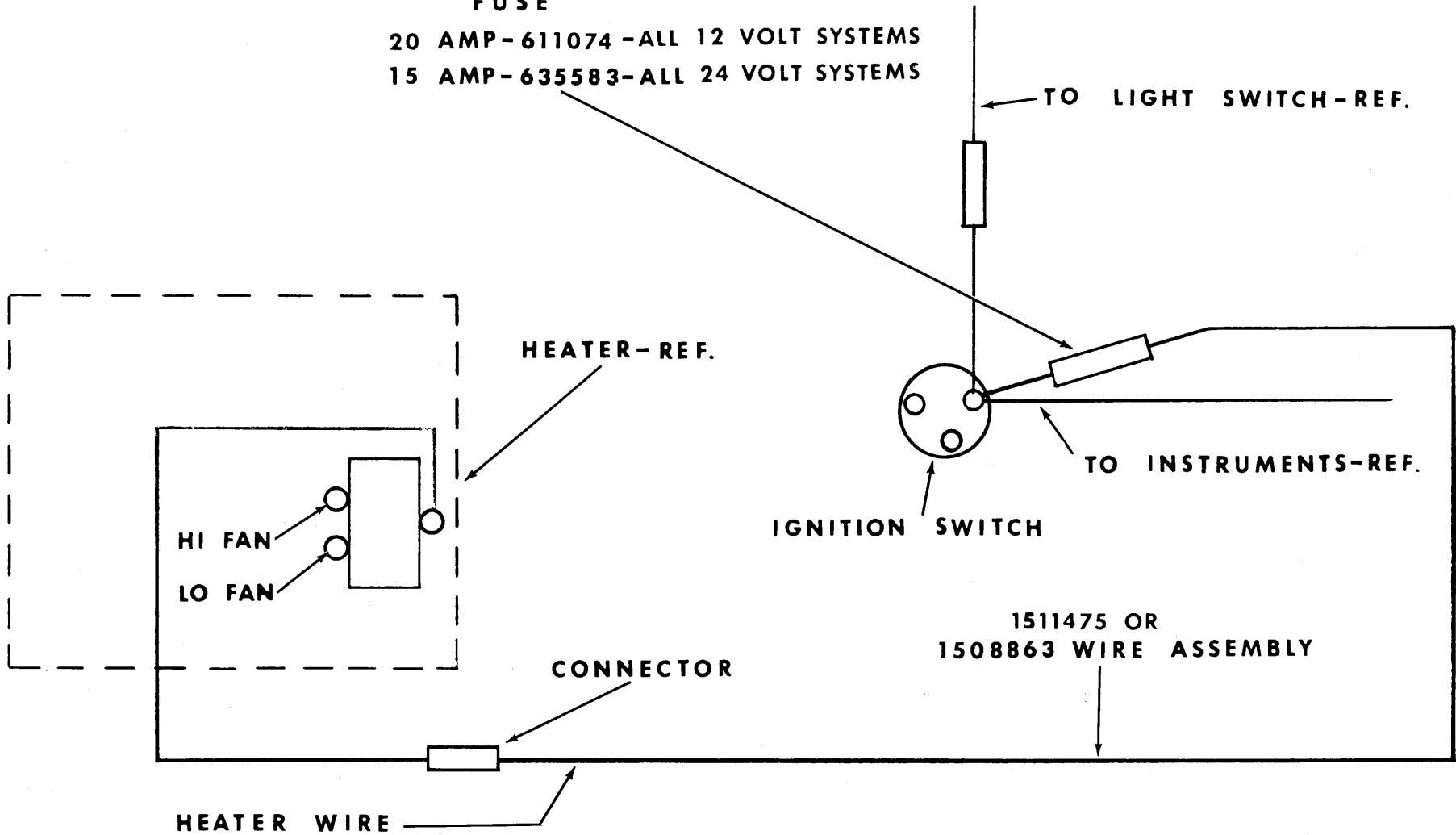
FRONT FACE OF PLUGS



ENGINE WIRING DIAGRAM - G.M.
For Serial: 12AFG101 & after

TS-8038-P

FUSE
20 AMP-611074 -ALL 12 VOLT SYSTEMS
15 AMP-635583-ALL 24 VOLT SYSTEMS



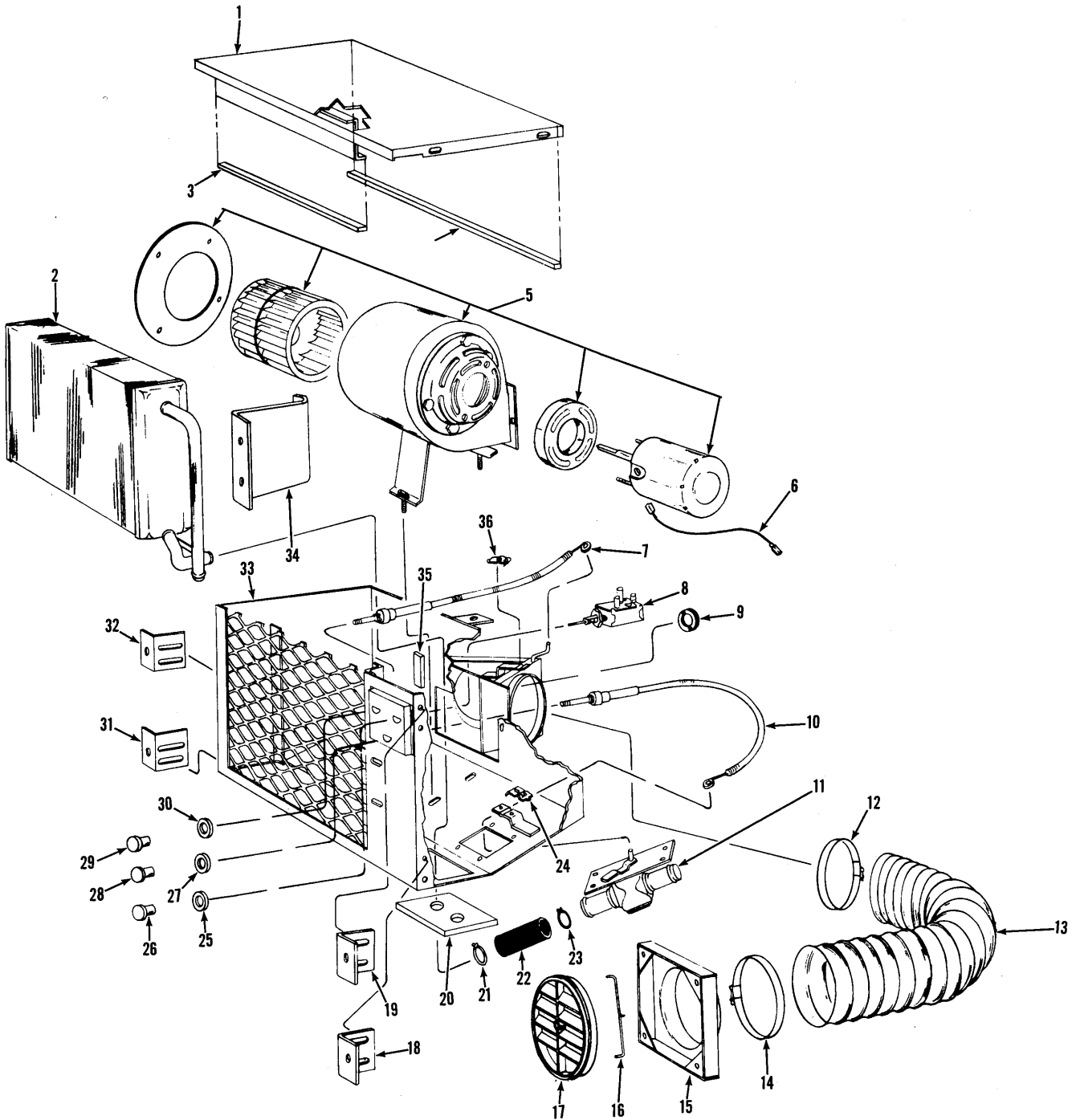
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PM 2521
Printed in U.S.A.

HEATER WIRING DIAGRAM

TS-10972

CLARK

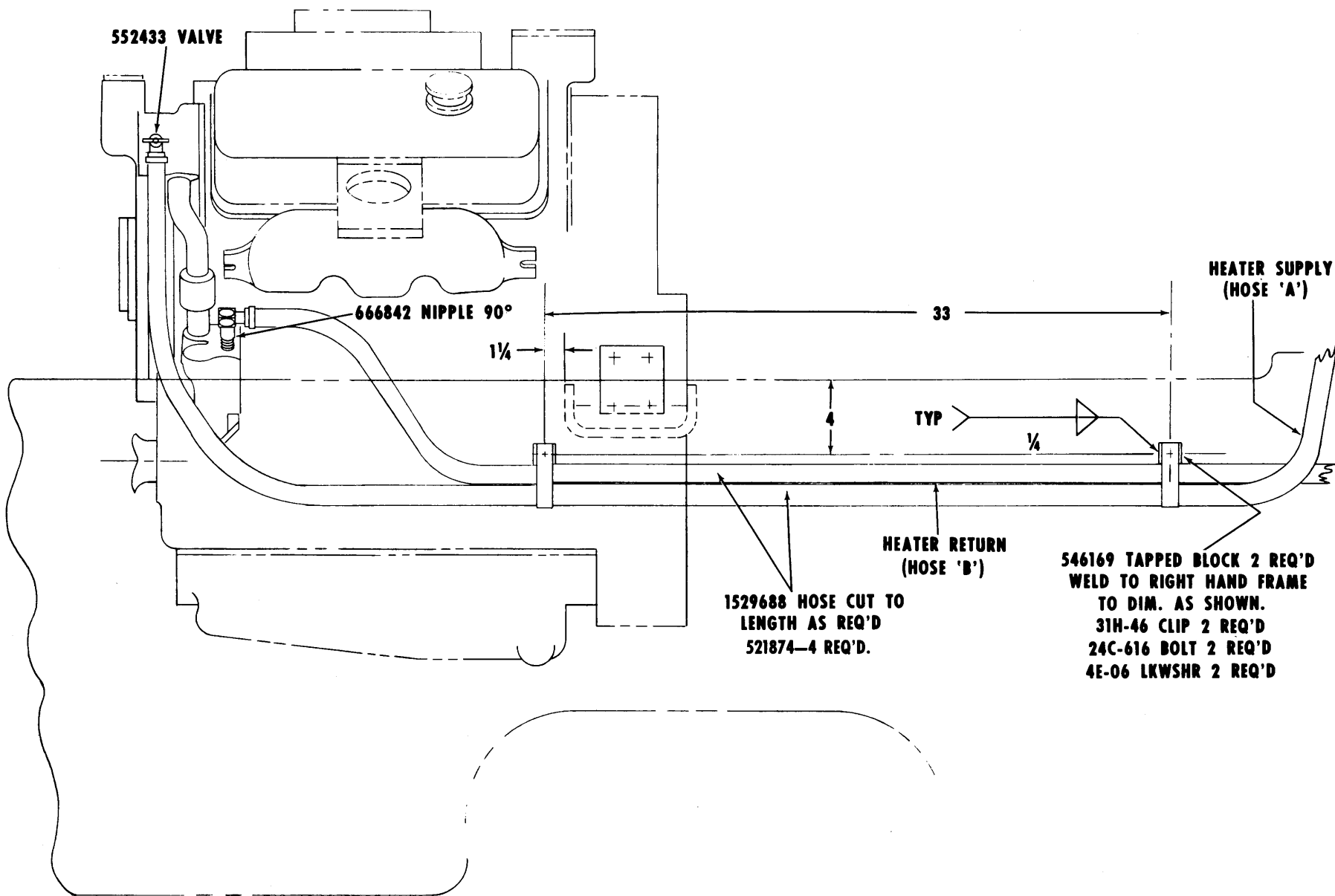


HEATER ASSEMBLY – 12V & 24V

HEATER ASSEMBLY — 12V & 24V

Item No.	Part No.	Description	No. Req'd.
A	1510660	HEATER ASSY, 12V (Inc. 1 thru 5, 6 thru 36)	1
B	1510661	HEATER ASSY, 24V (Inc. 1 thru 4, 5A thru 36)	1
1	947977	COVER, Core	1
2	947948	CORE, Heater	1
3	949047	SPONGE SEAL, Cover	1
4	947997	SEAL, Cover	1
5	948957	BLOWER ASSY, 12V	1
5A	948958	BLOWER ASSY, 24V	1
6	947999	WIRE	1
7	947981	CABLE, Outlet	1
8	947949	SWITCH, Fan Motor	1
9	947982	GROMMET	1
10	947983	CABLE, Valve	1
11	947950	VALVE, Water	1
12	528651	CLAMP	1
13	947995	HOSE, Flex	1
14	528651	CLAMP	1
15	947994	COLLAR ASSY	1
16	947993	SPRING, Retainer	1
17	947992	LOUVER, Plastic	1
18	947990	BRACKET, Mounting	1
19	947990	BRACKET, Mounting	1
20	947991	GASKET, Core Tube	1
21	949048	CLAMP, Hose	1
22	949049	HOSE	1
23	949048	CLAMP, Hose	1
24	947984	CLIP, Cable	1
25	947989	NUT, Fan	1
26	947988	KNOB, Fan	1
27	947989	NUT, Temperature	1
28	947987	KNOB, Temperature	1
29	947986	KNOB, Heat	1
30	947989	NUT, Heat	1
31	947990	BRACKET, Mounting	1
32	947990	BRACKET, Mounting	1
33	947985	CASE	1
34	947976	RETAINER, Core	1
35	949047	SPONGE, Seal	1
36	947984	CLIP, Cable	1

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

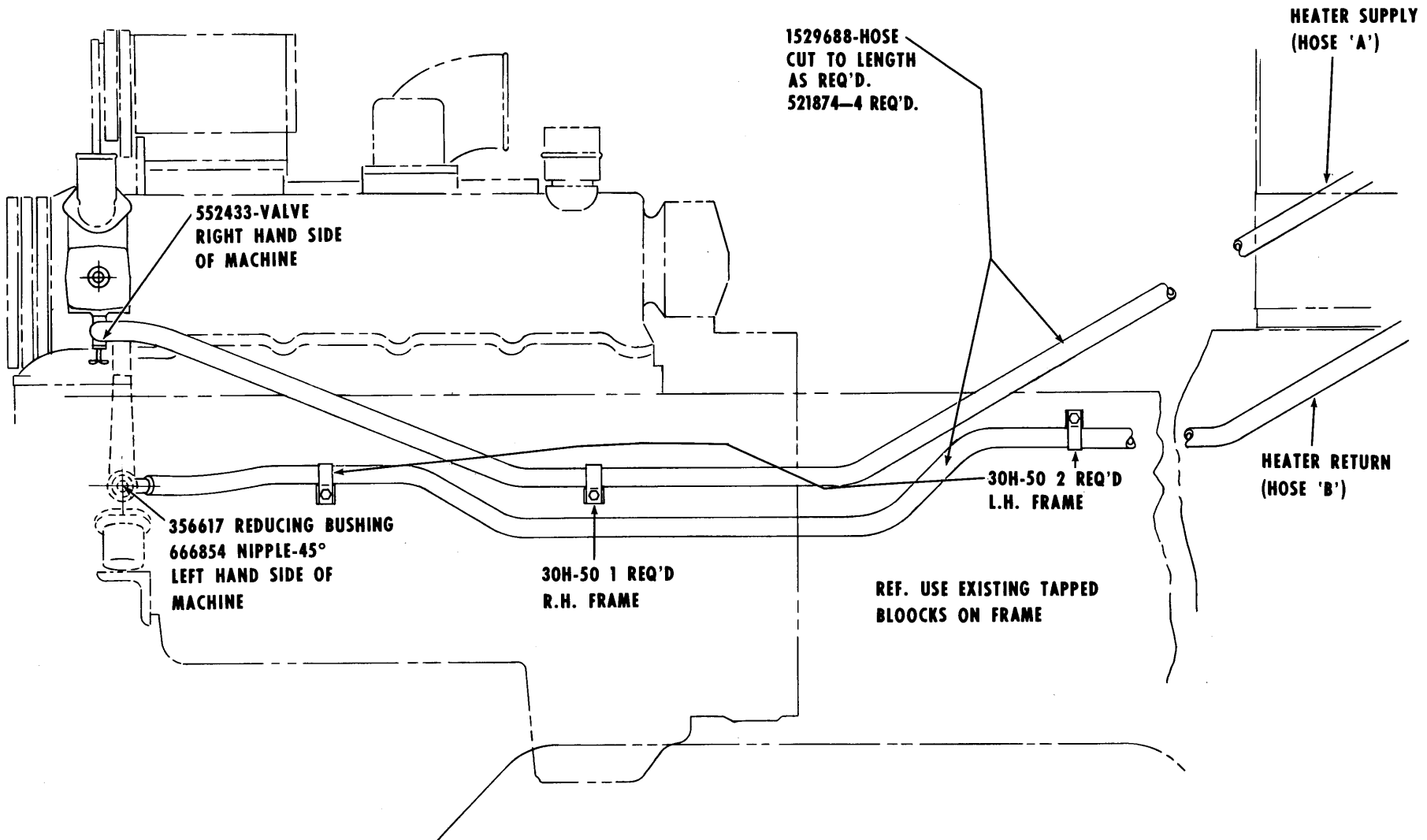


- 546169 TAPPED BLOCK 2 REQ'D
- WELD TO RIGHT HAND FRAME
- TO DIM. AS SHOWN.
- 31H-46 CLIP 2 REQ'D
- 24C-616 BOLT 2 REQ'D
- 4E-06 LKWSHR 2 REQ'D

1529688 HOSE CUT TO
LENGTH AS REQ'D
521874-4 REQ'D.

HEATER PLUMBING DIAGRAM – CUMMINS

TS-10967



HEATER PLUMBING DIAGRAM - G.M.

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NUMERICAL INDEX

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
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101204	115, 121	110855	124	118916	113.1, 119.1	217553	67
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101211	121	110940	111.1, 117.1	119211	113.1, 119.1	217555	65
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101214	121	111439	124	119214	113.1, 119.1	217557	65
101217	121	111658	115, 121	119650	113.1, 119.1	217558	65
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