

# MICHIGAN

## PARTS MANUAL

**No. 2988**

# Model 35AWS Tractor Shovel

**Information Contained Herein Pertains to Machine Serial  
Numbers Listed Below:**

**35AWS – CONTINENTAL – C3WCO9-10 thru C3WCO9-999**

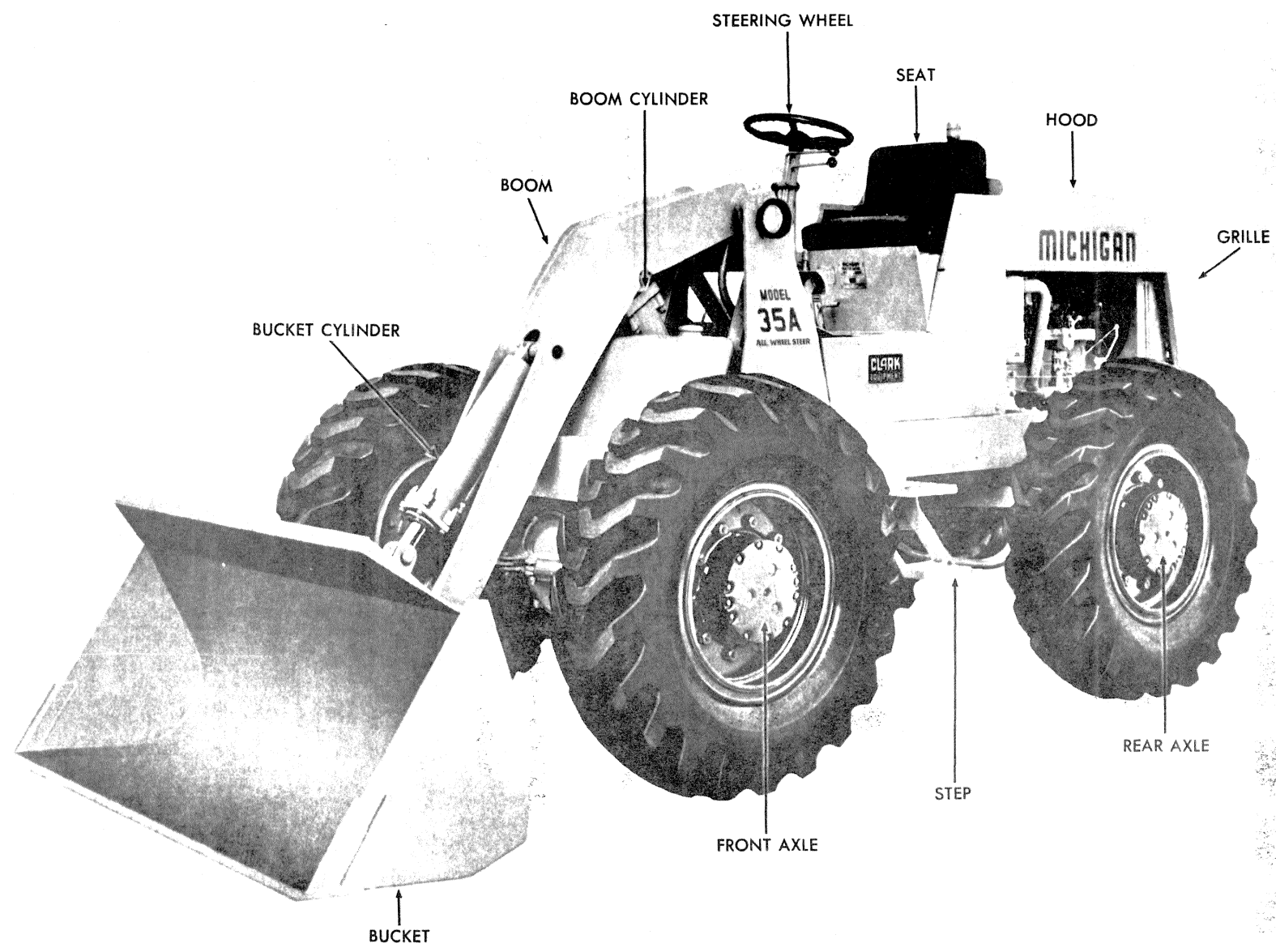
**35AWS – WAUKESHA – C3WA9-10 thru C3WA9-999**

**35AWS – G.M. – C3WG-10 thru C3WG9-999  
C5WG9-10 thru C5WG9-999  
7WG101 and After**

**Record Your Machine  
Serial Number Here**

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**CLARK EQUIPMENT COMPANY**



**MODEL 35AWS TRACTOR SHOVEL**

TS-8503-P

**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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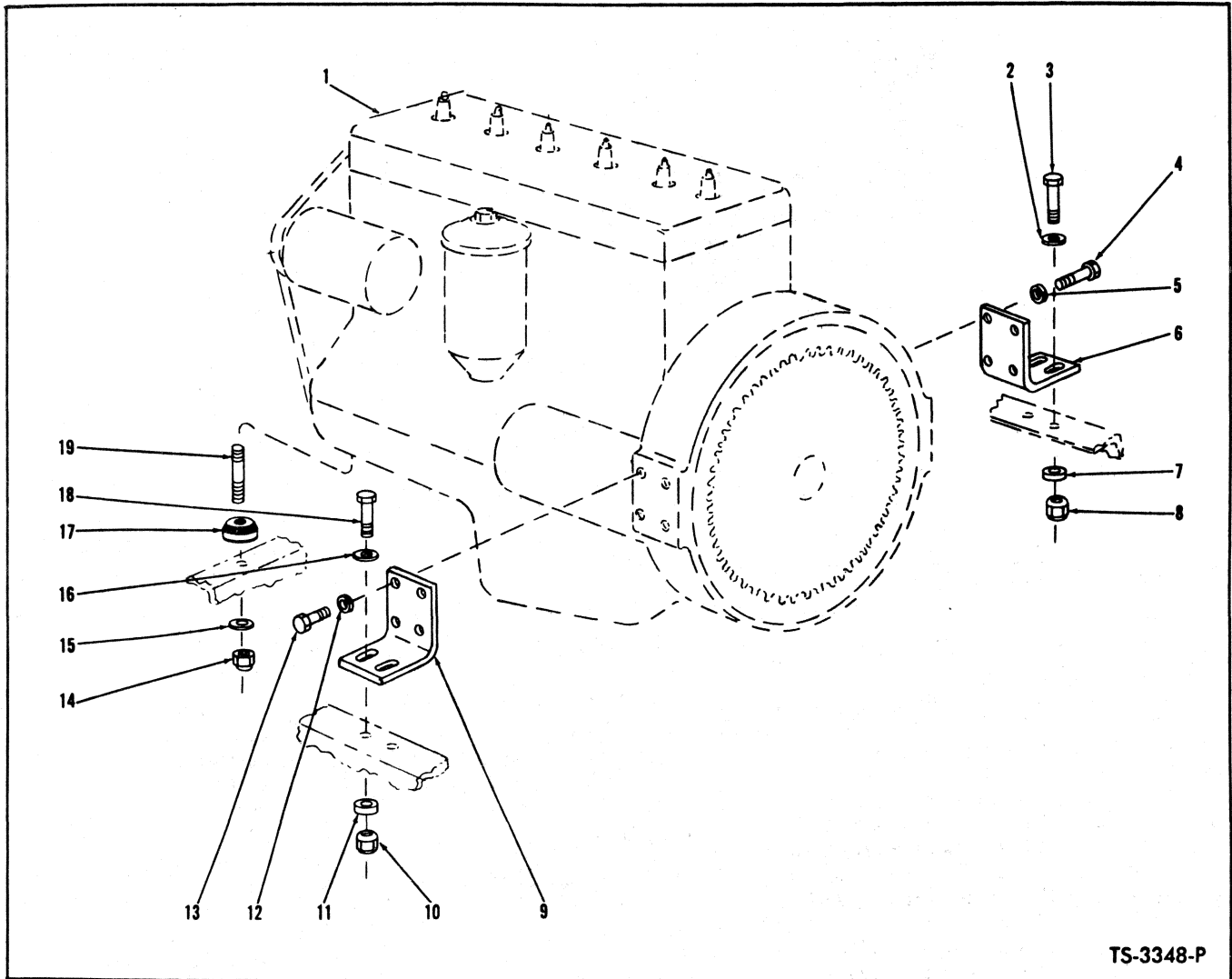
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**ENGINE ASSEMBLY – CONTINENTAL**

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

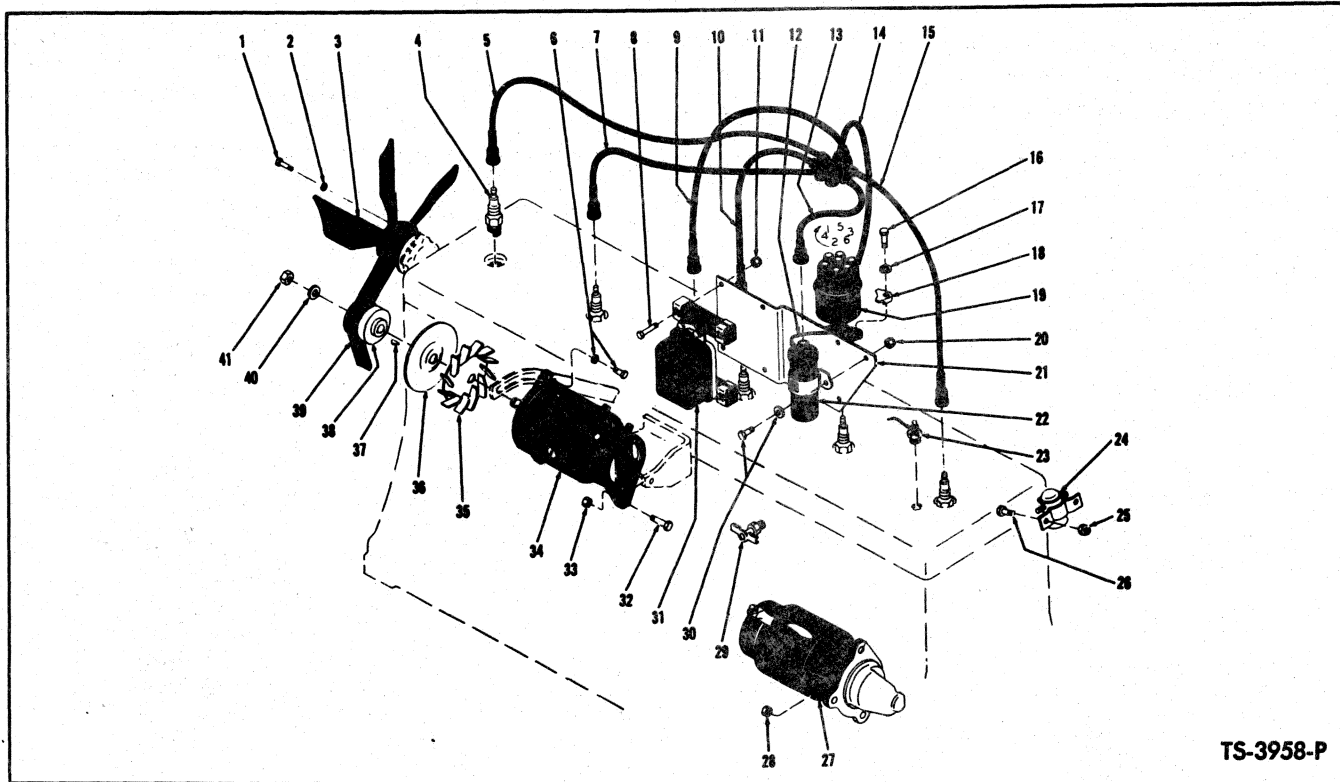


TS-3348-P

**ENGINE MOUNTING PARTS – CONTINENTAL**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	ENGINE (See Engine Parts Manual) ..	—	11	71D-08	BASE, Support to Frame Nut .....	2
2	25E-21	WASHER, Support to Frame .....	2	12	4E-08	LKWSHR, Engine Support to Flywheel Housing .....	4
3	24C-832	BOLT, Engine Support to Frame .....	2	13	23C-824	BOLT, Engine Support to Flywheel Housing .....	4
4	23C-824	BOLT, Support to Flywheel Housing ..	4	14	18D-10	NUT, Front Engine Mounting .....	1
5	4E-08	LKWSHR, Support to Flywheel Hsg. ....	4	15	25E-25	WASHER, Front Engine Mounting .....	1
6	585124	SUPPORT, Engine .....	1	16	25E-21	WASHER, Engine Support to Frame ....	2
7	71D-08	BASE, Support to Frame Nut .....	2	17	524703	MOUNT, Front Engine Upper Rubber ..	1
8	70D-08	NUT, Engine Support to Frame .....	2	18	24C-832	BOLT, Engine Support to Frame .....	2
9	585124	SUPPORT, Engine .....	1	19	112003	STUD, Front Engine Mounting .....	1
10	70D-08	NUT, Engine Support to Frame .....	2				

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



TS-3958-P

**ENGINE ACCESSORIES — CONTINENTAL**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	23C-512	BOLT, Fan Attaching	4	24	551530	SWITCH, Starter Solenoid	1
2	4E-05	LKWSHR, Fan Attaching	4	25	18D-04	NUT, Switch Attaching	2
3	527723	FAN, Engine — Pusher	1	26	24C-412	BOLT, Switch Attaching	2
4	730751	SPARK PLUG	6	27	585314	STARTER (Inc. 27A thru 27D)	1
5	742234	CABLE, Distributor to No. 1 Cyl.	1	27A	871513	†ARMATURE, Starter	1
6	23C-516	BOLT, Generator Adjusting	1	27B	961893	†DRIVE ASSY, Starter	1
6A	4E-05	LKWSHR, Generator Adjusting Bolt	1	27C	945383	†HOUSING, Drive	1
7	730401	CABLE, Distributor to No. 2 Cyl.	1	27D	871518	BRUSH, Starter	4
8	24C-422	BOLT, Regulator to Bracket	4	28	17D-6	NUT, Starter Attaching	3
9	717995	CABLE, Distributor to No. 3 Cyl.	1	29	72F-2	DRAIN COCK, Engine Block Water	1
10	717995	CABLE, Distributor to No. 4 Cyl.	1	30	24C-512	BOLT, Coil to Plate	2
11	18D-04	NUT, Regulator to Bracket	4	30A	25E-15	WASHER, Coil to Plate	2
12	653973	CABLE, Distributor to Coil — Low Tension	1	31	940105	REGULATOR, Voltage	1
13	742235	CABLE, Distributor to Coil — High Tension	1	31A	619049	†SHOCK MOUNT KIT, Volt Reg.	1
14	717995	CABLE, Distributor to No. 5 Cyl.	1	32	24C-518	BOLT, Generator to Bracket	2
15	717995	CABLE, Distributor to No. 6 Cyl.	1	33	18D-05	NUT, Generator to Bracket	2
16	23C-616	BOLT, Distributor Clamp	2	34	961810	GENERATOR (Inc. 34A, 34B)	1
17	4E-06	LKWSHR, Distributor Clamp	2	34A	940135	†ARMATURE, Generator	1
18	639496	CLAMP, Distributor	2	34B	940136	†BRUSH, Generator	2
19	527725	DISTRIBUTOR (Inc. 19A thru 19D)	1	35	619052	FAN, Generator	1
19A	853628	†POINT SET, Distributor	1	36	630506	BAFFLE, Generator	1
19B	850085	CONDENSER, Distributor	1	37	6J-405	KEY, Pulley	1
19C	850091	†ROTOR, Distributor	1	38	529688	PULLEY, Generator	1
19D	857852	†CAP, Distributor	1	39	631550	BELT, Fan & Generator (Matched set of 2)	1
20	18D-05	NUT, Coil to Plate	2	40	23E-11	LKWSHR, Shaft	1
21	584408	PLATE, Regulator & Coil Mounting	1	41	850311	NUT, Shaft	1
22	2503976	COIL	1	42	527824	†CABLE KIT, Ignition (Inc. 5, 7, 9, 10, 12 thru 15)	1
22A	897894	†BRACKET, Mounting	1	43	25E-15	†WASHER, Generator to Bracket	1
23	551323	SENDER UNIT, Engine Temperature	1				

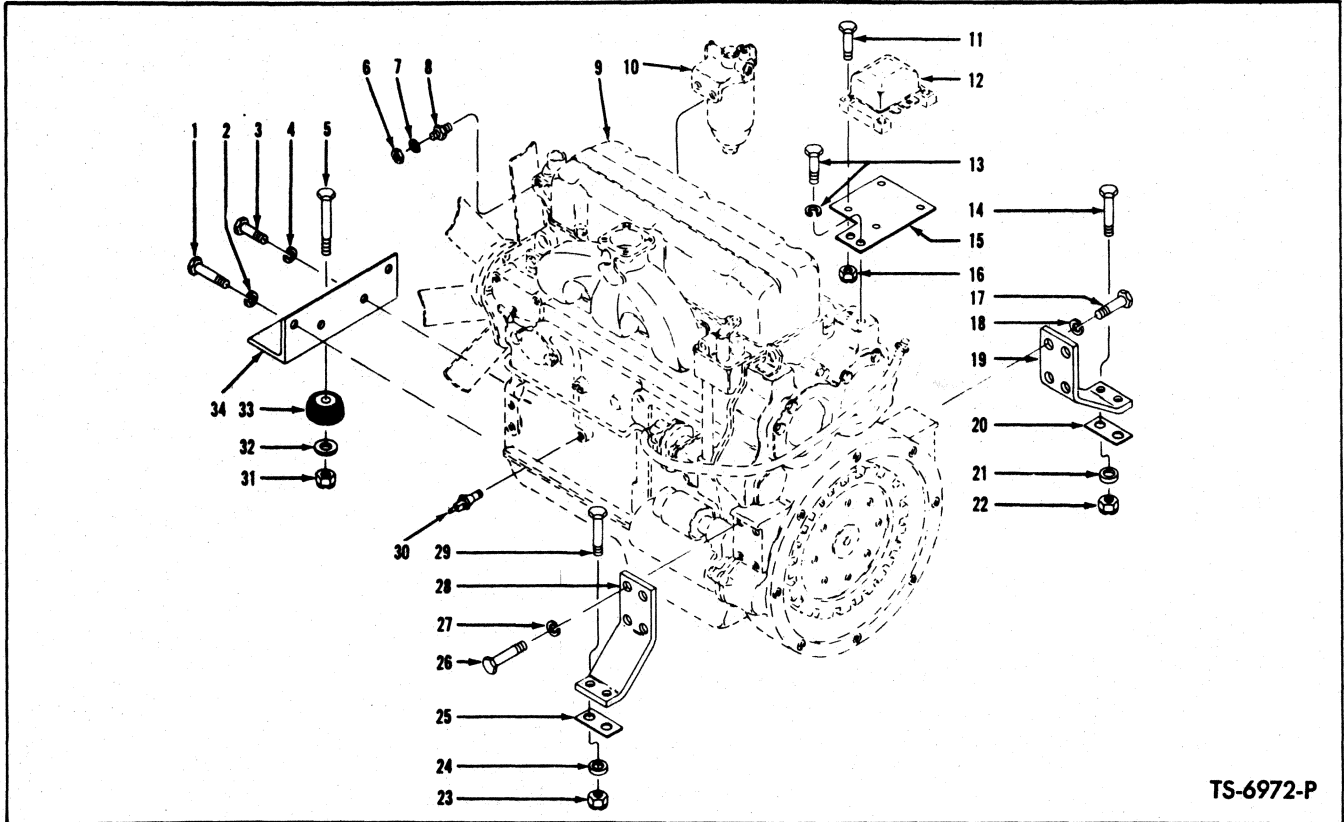
†Not Illustrated

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



**ENGINE & ACCESSORIES — G.M.**

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



TS-6972-P

**ENGINE MOUNTING PARTS & ACCESSORIES — G.M.**

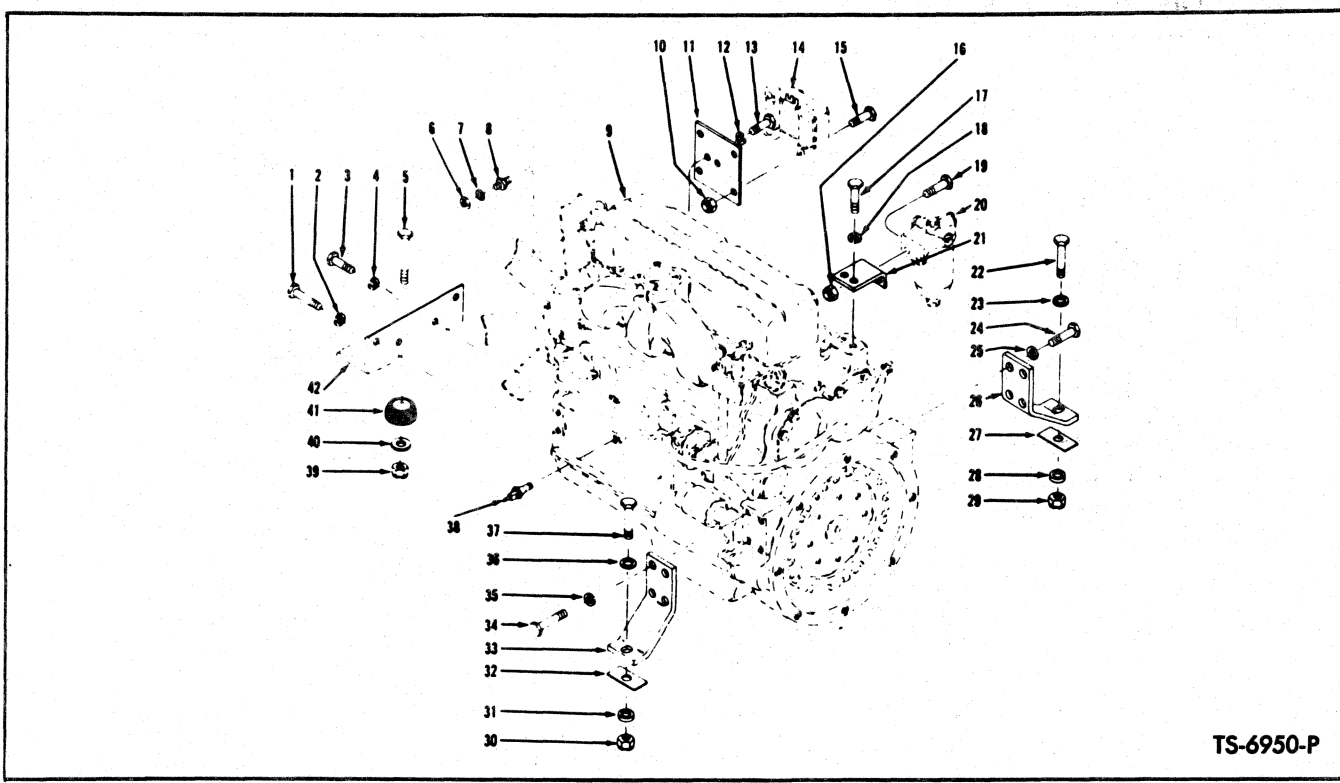
**For Serial: C3WG9-10 thru C3WG9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	23C-656	BOLT, Bracket to Engine	2	15	900586	PLATE, Voltage Regulator Mounting	1
2	4E-06	LKWSHR, Bracket to Engine Bolt	2	16	18D-04	NUT, Voltage Regulator Mounting Bolt	4
3	23C-720	BOLT, Bracket to Engine	2	17	23C-824	BOLT, Bracket to Engine	4
4	4E-07	LKWSHR, Bracket to Engine Bolt	2	18	4E-08	LKWSHR, Bracket to Engine Bolt	4
5	24C-1048	BOLT, Bracket to Frame	1	19	900549	BRACKET, Engine Mounting — L.H.	1
6	14D-10	NUT, Sender Unit	1	20	537959	PAD, Bracket to Frame	1
7	12E-10	LKWSHR, Sender Unit	1	21	71D-08	BASE, Bracket to Frame Nut	2
8	551323	SENDER UNIT, Engine Temperature	1	22	70D-08	NUT, Bracket to Frame Bolt	2
9	-----	ENGINE (See G.M. Engine Parts Manual)	—	23	70D-08	NUT, Bracket to Frame Bolt	2
10	-----	FILTER ASSY, Fuel (See G.M. Engine Parts Manual)	—	24	71D-08	BASE, Bracket to Frame Nut	2
11	24C-420	BOLT, Voltage Regulator to Plate	4	25	537959	PAD, Bracket to Frame	1
12	-----	VOLTAGE REGULATOR (See G.M. Engine Parts Manual)	—	26	23C-824	BOLT, Bracket to Engine	4
13	23C-612	BOLT, Regulator Mounting Plate to Engine	2	27	4E-08	LKWSHR, Bracket to Engine Bolt	4
13A	4E-06	LKWSHR, Regulator Mounting Plate to Engine Bolt	2	28	900549	BRACKET, Engine Mounting — R.H.	1
14	24C-832	BOLT, Bracket to Frame	2	29	24C-832	BOLT, Bracket to Frame	2
				30	548713	SWITCH, Engine Oil Pressure	1
				31	18D-10	NUT, Bracket to Frame Bolt	1
				32	25E-25	WASHER, Bracket to Frame Bolt	1
				33	524703	MOUNTING, Rear Engine — Rubber	1
				34	567071	BRACKET, Engine Mounting — Rear	1

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

**ENGINE & ACCESSORIES – G.M.**

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TS-6950-P

**ENGINE MOUNTING PARTS & ACCESSORIES – G.M.**

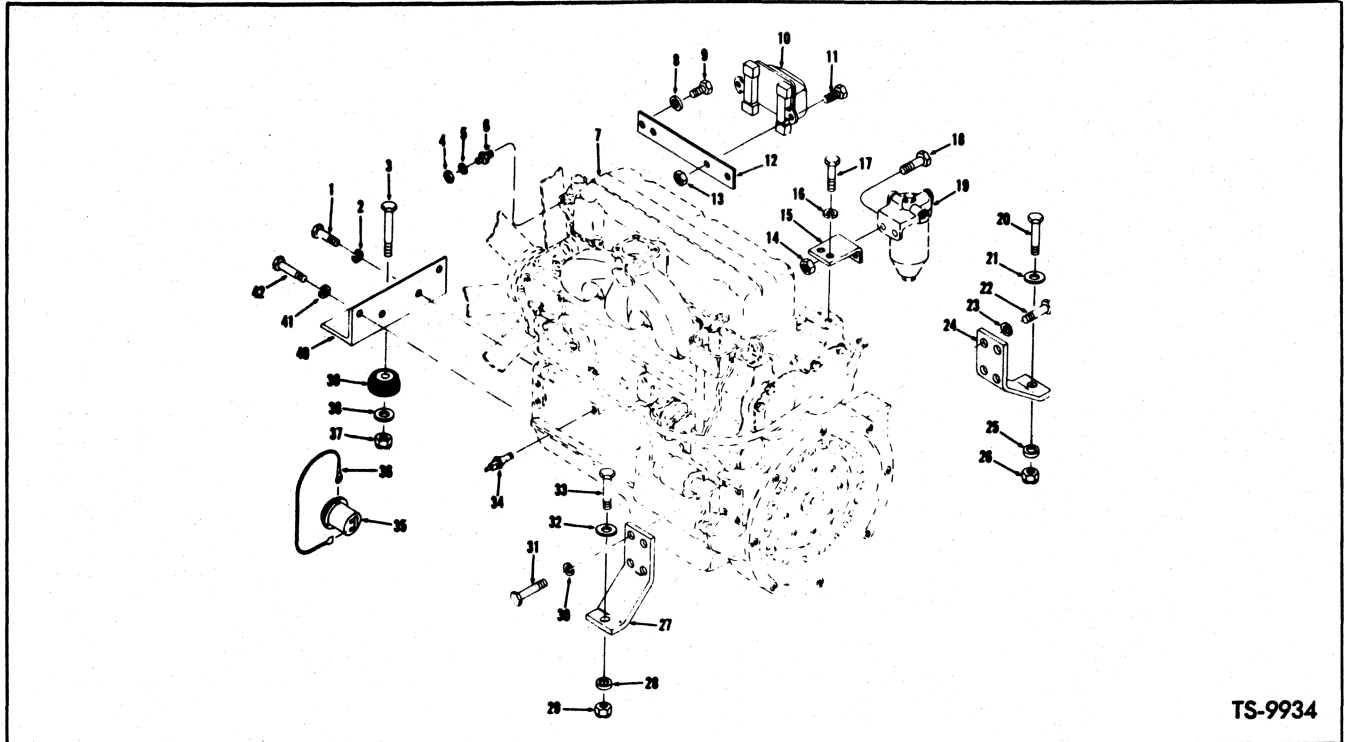
For Serial: C5WG9-10 thru C5WG9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	23C-656	BOLT, Bracket to Engine	2	21	547271	BRACKET, Filter Mounting	1
2	4E-06	LKWSHR, Bracket to Engine Bolt	2	22	24C-832	BOLT, Bracket to Frame	1
3	23C-720	BOLT, Bracket to Engine	2	23	25E-21	WASHER, Bracket to Frame Bolt	1
4	4E-07	LKWSHR, Bracket to Engine Bolt	2	24	23C-824	BOLT, Bracket to Engine	4
5	24C-1048	BOLT, Bracket to Frame	1	25	4E-08	LKWSHR, Bracket to Engine Bolt	4
6	14D-10	NUT, Sender Unit	1	26	562151	BRACKET, Engine Mounting – L.H.	1
7	12E-10	LKWSHR, Sender Unit	1	27	567127	PAD, Bracket to Frame	1
8	551323	SENDER UNIT, Engine Temperature	1	28	71D-08	BASE, Bracket to Frame Nut	1
9	-----	ENGINE (See G.M. Engine Parts Manual)	—	29	70D-08	NUT, Bracket to Frame Bolt	1
10	18D-04	NUT, Regulator to Plate Bolt	4	30	70D-08	NUT, Bracket to Frame Bolt	1
11	567136	PLATE, Regulator Mounting	1	31	71D-08	BASE, Bracket to Frame Nut	1
12	4E-06	LKWSHR, Plate to Engine Bolt	2	32	567127	PAD, Bracket to Frame	1
13	23C-612	BOLT, Plate to Engine	2	33	562151	BRACKET, Engine Mounting – R.H.	1
14	-----	REGULATOR, Voltage (See G.M. Engine Parts Manual)	—	34	23C-824	BOLT, Bracket to Engine	4
15	24C-420	BOLT, Regulator to Plate	4	35	4E-08	LKWSHR, Bracket to Engine Bolt	4
16	18D-06	NUT, Filter to Bracket Bolt	2	36	25E-21	WASHER, Bracket to Frame Bolt	1
17	24C-612	BOLT, Bracket to Engine	2	37	24C-832	BOLT, Bracket to Frame	1
18	4E-06	LKWSHR, Bracket to Engine Bolt	2	38	548713	SWITCH, Engine Oil Pressure	1
19	24C-616	BOLT, Filter to Bracket	2	39	18D-10	NUT, Bracket to Frame Bolt	1
20	-----	FILTER ASSY, Fuel (See G.M. Engine Parts Manual)	—	40	25E-25	WASHER, Bracket to Frame Bolt	1
				41	524703	MOUNTING, Rear Engine – Rubber	1
				42	562623	BRACKET, Engine Mounting – Rear	1

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

**ENGINE & ACCESSORIES – G.M.**

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TS-9934

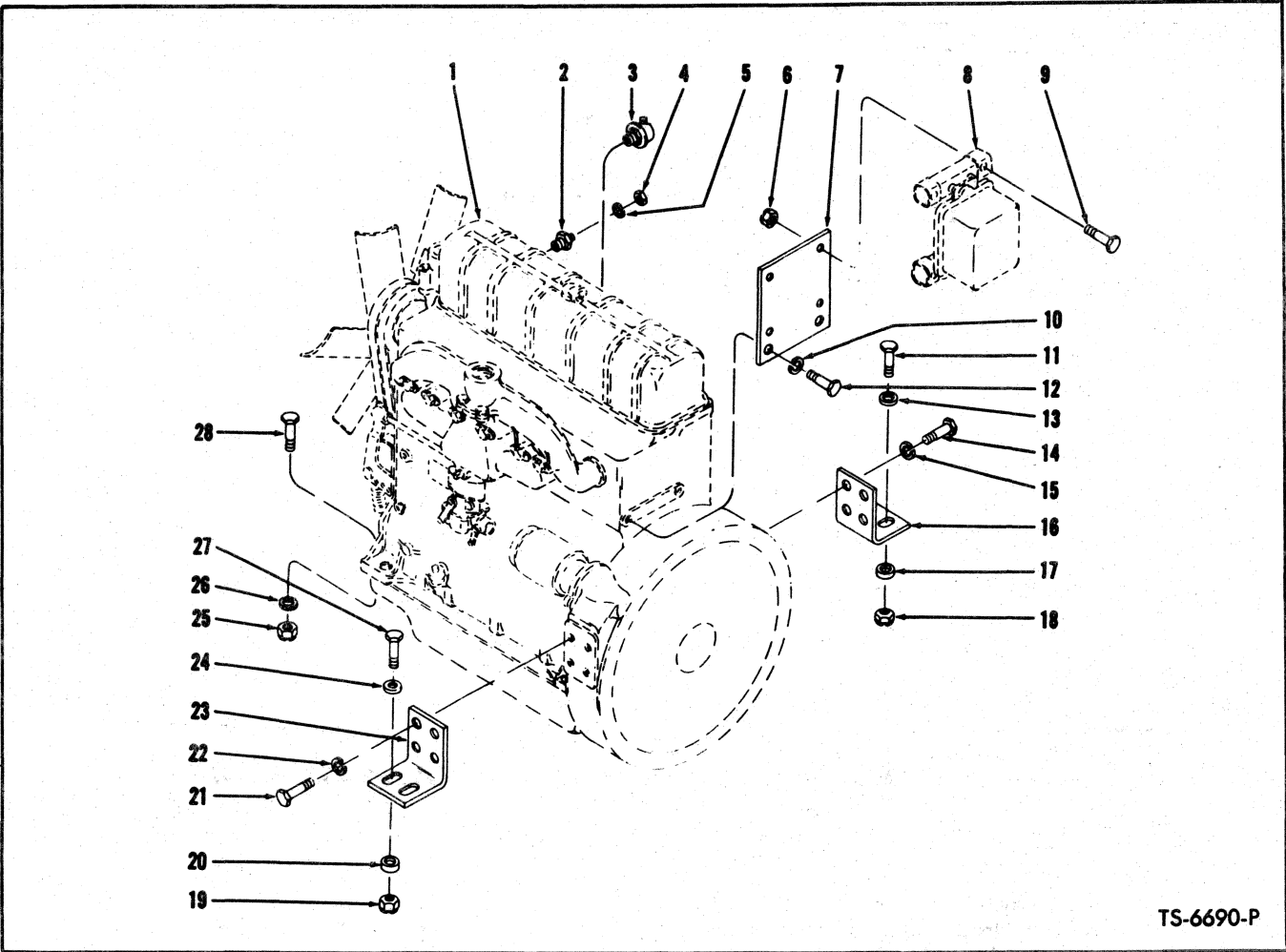
**ENGINE ACCESSORIES & SUPPORT PARTS – G.M.**  
For Serial: 7WG101 and After

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	23C-720	BOLT, Bracket to Engine	2	22	23C-824	BOLT, Bracket to Engine	4
2	4E-07	LKWSHR, Bracket to Engine	2	23	4E-08	LKWSHR, Bracket to Engine	4
3	24C-1048	BOLT, Bracket to Frame	1	24	562151	BRACKET, Engine Mounting	1
4	14D-10	NUT, Sender	1	25	71D-08	BASE, Bracket to Frame	1
5	12E-10	LKWSHR, Sender	1	26	70D-08	NUT, Bracket to Frame	1
6	551323	SENDER, Engine Temperature	1	27	562151	BRACKET, Engine Mounting	1
7	-----	ENGINE – See G.M. Engine Parts Manual	1	28	71D-08	BASE, Bracket to Frame	1
8	4E-06	LKWSHR, Plate to Engine	2	29	70D-08	NUT, Bracket to Frame	1
9	23C-612	BOLT, Plate to Engine	2	30	12E-10	LKWSHR, Bracket to Engine	4
10	947007	REGULATOR, Voltage	1	31	23C-824	BOLT, Bracket to Engine	4
10A	893379	SHOCK MOUNT KIT (For Item 10)	1	32	25E-21	WASHER, Bracket to Frame	1
11	24C-412	BOLT, Regulator Mounting	2	33	24C-832	BOLT, Bracket to Frame	1
12	1545624	PLATE, Regulator Mounting	1	34	548713	SENDER, Oil Pressure	1
13	18D-04	NUT, Regulator Mounting	2	35	1743825	HOURMETER (Inc. 35A, 35B)	1
14	18D-06	NUT, Filter Mounting	2	35A	85G-608	BOLT, Hourmeter Mounting	3
15	547271	BRACKET, Filter Mounting	1	35B	12E-6	LKWSHR, Hourmeter Mounting	3
16	4E-06	LKWSHR, Bracket to Engine	2	36	558960	WIRE, Hourmeter Ground	1
17	23C-612	BOLT, Bracket to Engine	2	37	18D-10	NUT, Bracket to Frame	1
18	24C-620	BOLT, Filter to Bracket	2	38	25E-25	WASHER, Bracket to Frame	1
19	-----	FUEL FILTER – See G.M. Engine Parts Manual	1	39	524703	MOUNT, Rubber Engine	1
20	24C-832	BOLT, Bracket to Frame	1	40	562623	BRACKET, Engine to Frame	1
21	25E-21	WASHER, Bracket to Frame	1	41	4E-06	LKWSHR, Bracket to Engine	2
				42	23C-656	BOLT, Bracket to Engine	2

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

**ENGINE AND ACCESSORIES – WAUKESHA GAS**

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



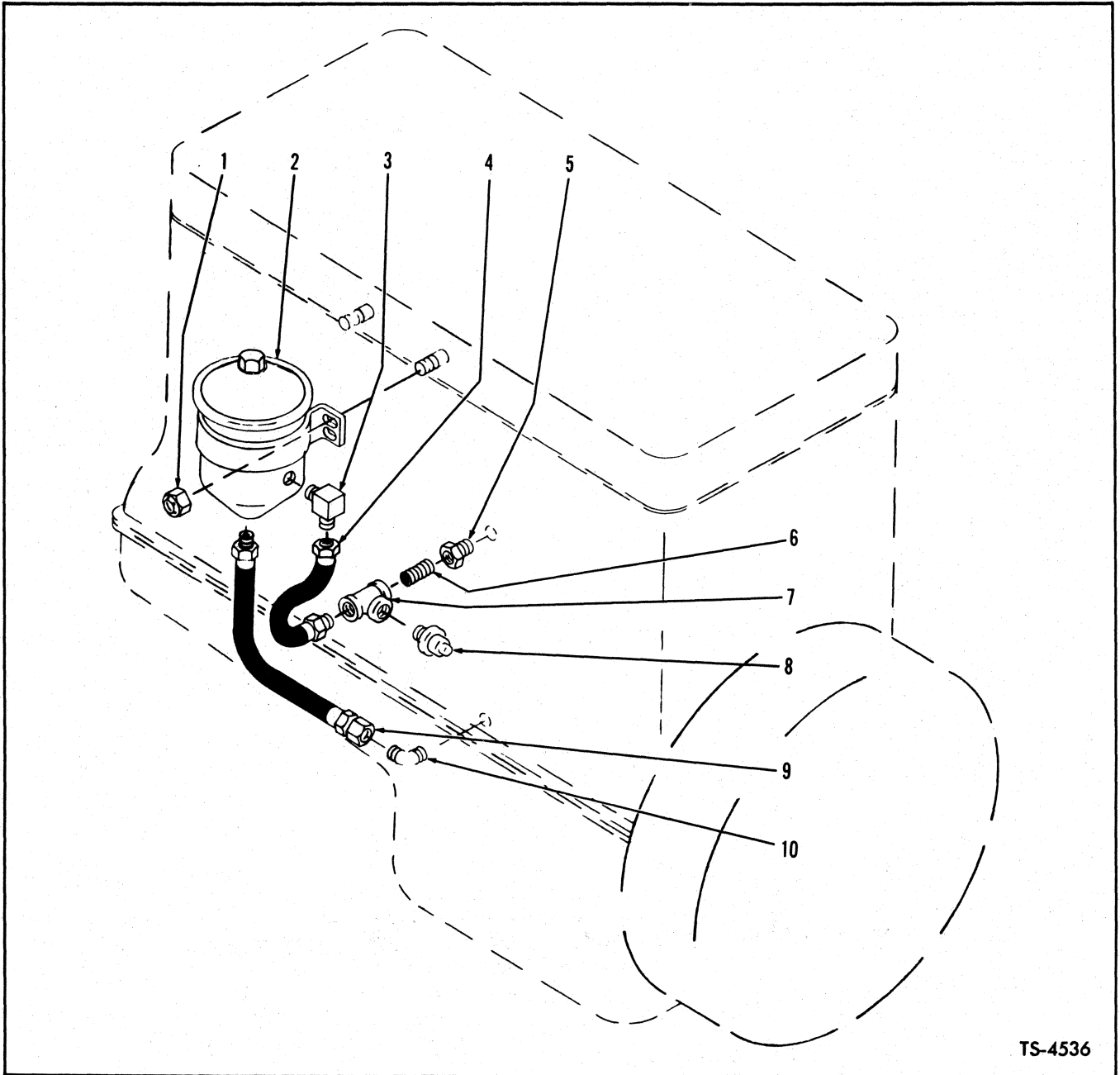
TS-6690-P

**ENGINE ACCESSORIES AND SUPPORT PARTS – WAUKESHA GAS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	---	ENGINE – See Waukesha Engine Parts Manual	—	14	23C-824	BOLT, Support to Engine	4
2	551323	SENDER UNIT, Engine Temperature	1	15	4E-08	LKWSHR, Support to Engine Bolt	4
3	548713	SENDER UNIT, Engine Oil Pressure	1	16	1520370	SUPPORT, Engine	1
3A	12E-10	†LKWSHR, Pressure Sender Unit	1	17	71D-08	BASE, Support to Frame Nut	2
3B	14D-10	†NUT, Pressure Sender Unit	1	18	70D-08	NUT, Support to Frame Bolt	2
4	14D-10	NUT, Temperature Sender Unit	1	19	70D-08	NUT, Support to Frame Bolt	2
5	12E-10	LKWSHR, Temperature Sender Unit	1	20	71D-08	BASE, Support to Frame Nut	2
6	18D-04	NUT, Regulator to Plate Bolt	2	21	23C-824	BOLT, Support to Engine	4
7	1520064	PLATE, Regulator Mounting	1	22	4E-08	LKWSHR, Support to Engine Bolt	4
8	---	REGULATOR (Furnished With Engine)	—	23	1520370	SUPPORT, Engine	1
9	24C-412	BOLT, Regulator to Plate Mounting	2	24	25E-21	WASHER, Support to Frame Bolt	2
10	4E-06	LKWSHR, Plate Mounting Bolt	2	25	18D-08	NUT, Trunnion to Frame Bolt	2
11	24C-832	BOLT, Support to Frame Mounting	2	26	25E-21	WASHER, Trunnion to Frame Bolt	2
12	23C-612	BOLT, Plate to Engine Mounting	2	27	24C-832	BOLT, Support to Frame Mounting	2
13	25E-21	WASHER, Support to Frame Bolt	2	28	24C-832	BOLT, Trunnion to Frame	2

†Not Illustrated

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



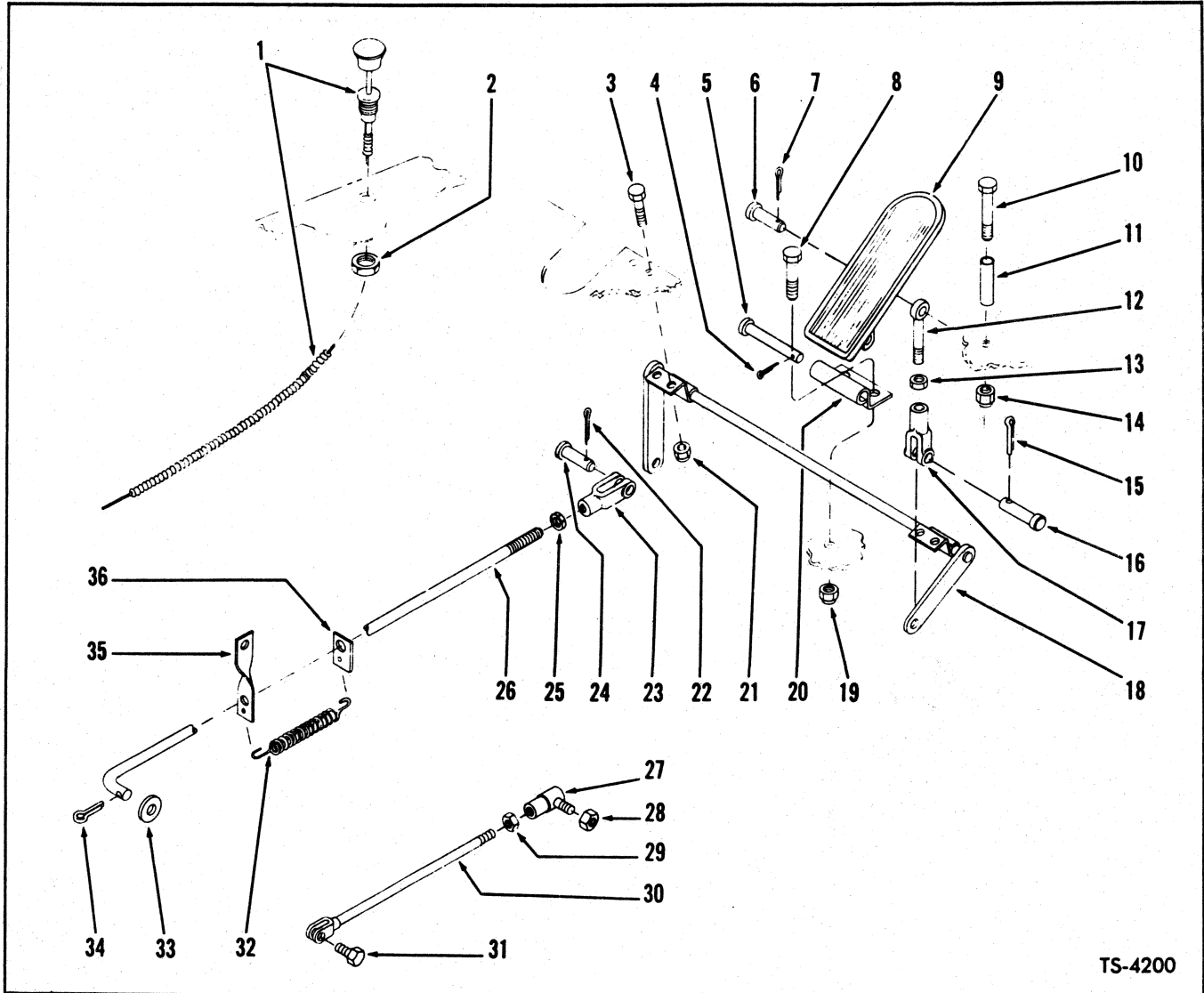
TS-4536

**FILTER, ENGINE OIL – CONTINENTAL**

Item No.	Part No.	Description	No. Req'd.
1	65D-05	NUT, Filter Attaching .....	2
2	604080	FILTER ASSY (Inc. 2A) .....	1
2A	944426	†CARTRIDGE KIT, Oil Filter .....	1
3	42F-3	ELBOW, Hose to Filter .....	1
4	529692	HOSE, Tee to Filter .....	1
5	19F-1	BUSHING, Engine Reducing .....	1
6	5K-108	NIPPLE, Tee to Engine .....	1
7	18F-1	TEE, Hose to Engine .....	1
8	548713	SENDER UNIT, Oil Pressure .....	1
9	529691	HOSE, Filter to Engine .....	1
10	42F-3	ELBOW, Hose to Engine .....	1

†Not Illustrated

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



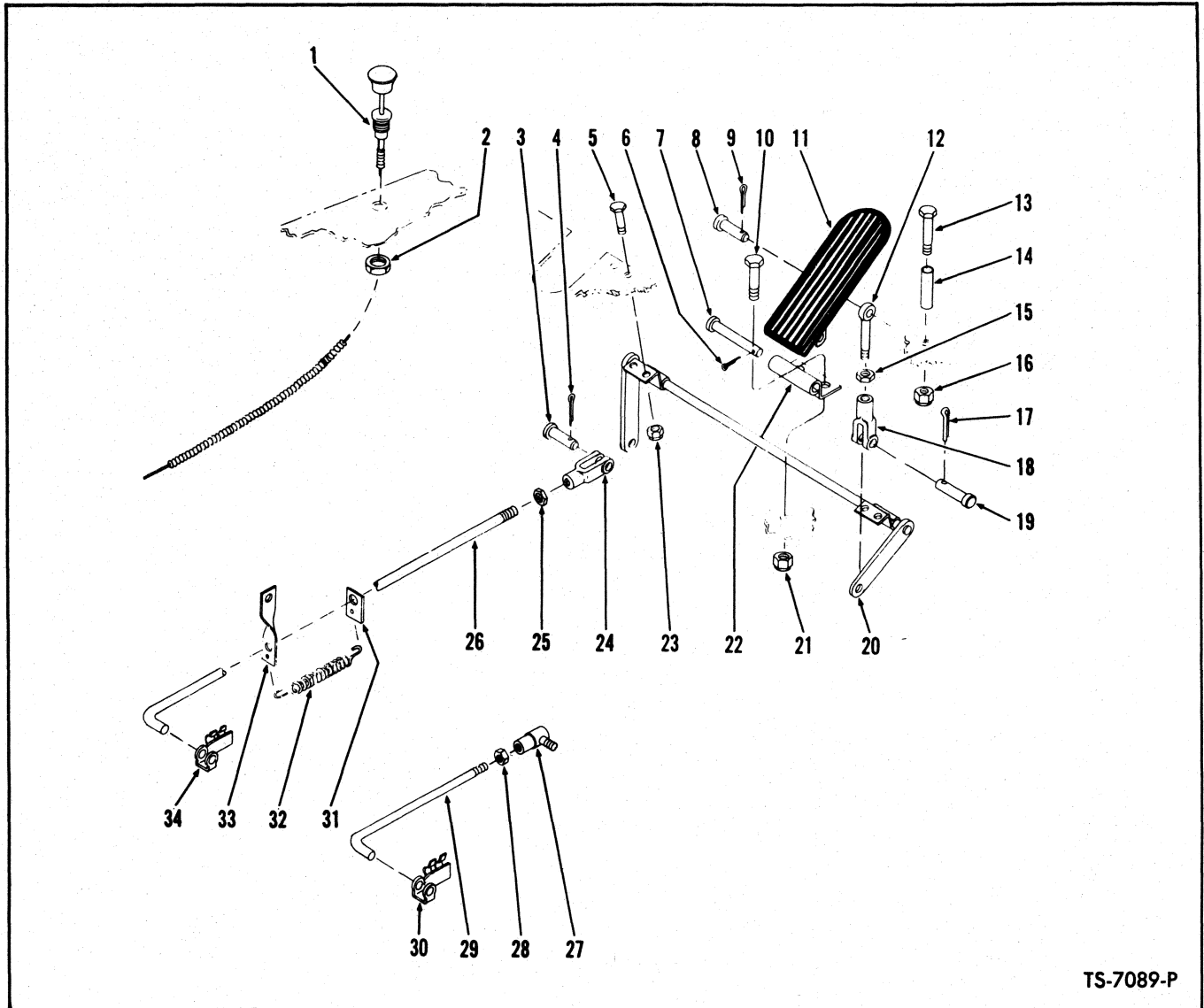
TS-4200

**ACCELERATOR PEDAL AND LINKAGE – CONTINENTAL**  
C3WC09-10 thru C3WC09-75

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	7H-12	CABLE, Choke	1	20	623760	BRACKET, Accelerator Pedal Pivot	1
2	8D-06	NUT, Jam – Choke Cable Mounting	1	21	18D-04	NUT, Bell Crank to Floorboard	4
3	24C-412	BOLT, Bell Crank to Floorboard	4	22	1F-207	COTTER, Clevis Pin	1
4	1F-316	COTTER, Pedal Pivot Pin	1	23	2J-4200	CLEVIS, Accelerator Rod	1
5	623762	PIN, Accelerator Pedal Pivot	1	24	4F-04051	PIN, Accelerator Rod Clevis	1
6	4F-04051	PIN, Pedal to Rod Clevis	1	25	8D-04	NUT, Jam – Accelerator Rod Clevis	1
7	1F-207	COTTER, Clevis Pin	1	26	586455	ROD ASSY, Accelerator (Inc. 23, 25, 36)	1
8	24C-412	BOLT, Pivot Bracket to Floorboard	2	27	1306167	BALL JOINT	1
9	623829	PEDAL, Accelerator	1	28	8D-04	NUT, Ball Joint	1
10	24C-444	BOLT, Pedal Stop	1	29	8D-04	NUT, Ball Joint Jam	1
11	551016	STOP, Accelerator Pedal	1	30	529690	*ROD, Governor to Carburetor	1
12	550619	ROD, Pedal to Bell Crank	1	31	873791	BOLT, Rod to Governor	1
13	8D-04	NUT, Jam – Pedal to Bell Crank Rod	1	32	551090	SPRING, Accelerator Rod Return	1
14	18D-04	NUT, Pedal Stop to Floorboard	1	33	25E-13	WASHER, Accelerator Rod	1
15	1F-207	COTTER, Clevis Pin	1	34	1F-207	COTTER, Accelerator Rod	1
16	4F-04051	PIN, Bell Crank Rod Clevis	1	35	585584	GUIDE, Accelerator Rod	1
17	2J-4200	CLEVIS, Pedal to Bell Crank Rod	1	36	585583	ANCHOR, Accelerator Rod Return Spring	1
18	585329	BELL CRANK, Accelerator	1				
19	18D-04	NUT, Pivot Bracket to Floorboard	2				

\*NOTE: For replacement use 1308261 Rod plus 1-961895 Yoke.

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



TS-7089-P

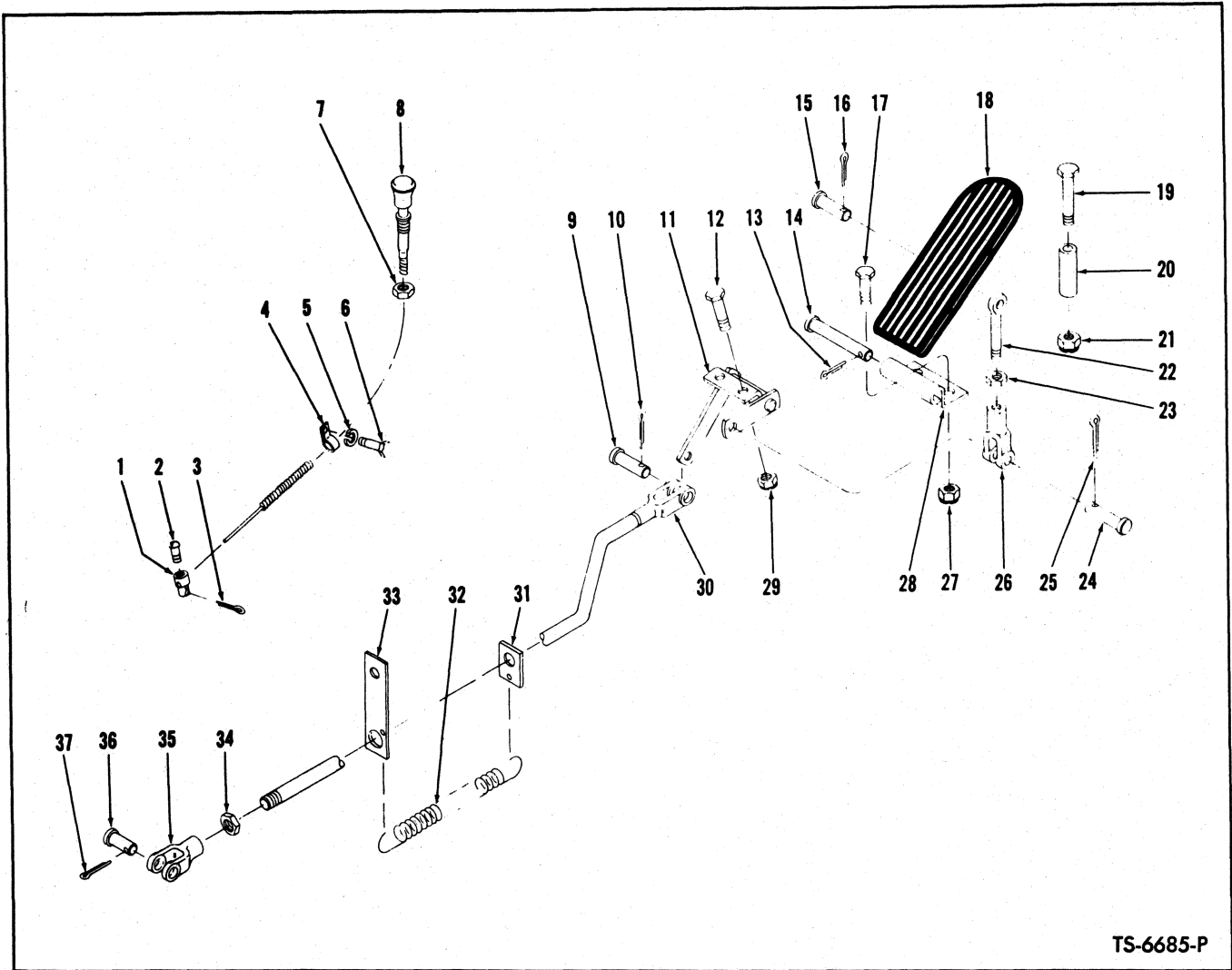
**ACCELERATOR PEDAL & LINKAGE – CONTINENTAL**  
**C3WC09-76 thru 3WC09-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	7H-12	CABLE, Choke	1	19	4F-04051	PIN, Clevis	1
2	8D-08	NUT, Choke Cable Attaching	1	20	585329	BELLCRANK, Accelerator	1
3	4F-04051	PIN, Accelerator Rod Clevis	1	21	18D-04	NUT, Bracket to Floorboard	2
4	1F-207	COTTER, Clevis Pin	1	22	623760	BRACKET, Accelerator Pivot	1
5	24C-412	BOLT, Bellcrank to Floorboard	4	23	18D-04	NUT, Bellcrank to Floorboard	4
6	1F-316	COTTER, Pedal Pivot Pin	1	24	2J-4200	CLEVIS, Accelerator Rod	1
7	623762	PIN, Accelerator Pedal Pivot	1	25	8D-04	NUT, Clevis Jam	1
8	4F-04051	PIN, Pedal to Rod	1	26	586455	ROD ASSY, Accelerator (Inc. 24, 25, 31)	1
9	1F-207	COTTER, Pedal to Rod Pin	1	27	1306167	BALL JOINT	1
10	24C-412	BOLT, Bracket to Floorboard	2	28	8D-04	NUT, Ball Joint Jam	1
11	623829	PEDAL, Accelerator	1	29	1522762	ROD, Governor to Carburetor	1
12	550619	ROD, Pedal to Bellcrank	1	30	876990	CLIP, Governor Rod to Carburetor	1
13	24C-444	BOLT, Pedal Stop	1	31	585583	ANCHOR, Accelerator Rod Spring	1
14	551016	STOP, Accelerator Pedal	1	32	551090	SPRING, Accelerator Rod Return	1
15	8D-04	NUT, Clevis Jam	1	33	585584	GUIDE, Accelerator Rod	1
16	18D-04	NUT, Pedal Stop	1	34	876990	CLIP, Accelerator Rod to Carburetor	1
17	1F-207	COTTER, Clevis Pin	1				
18	2J-4200	CLEVIS, Rod to Bellcrank	1				

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







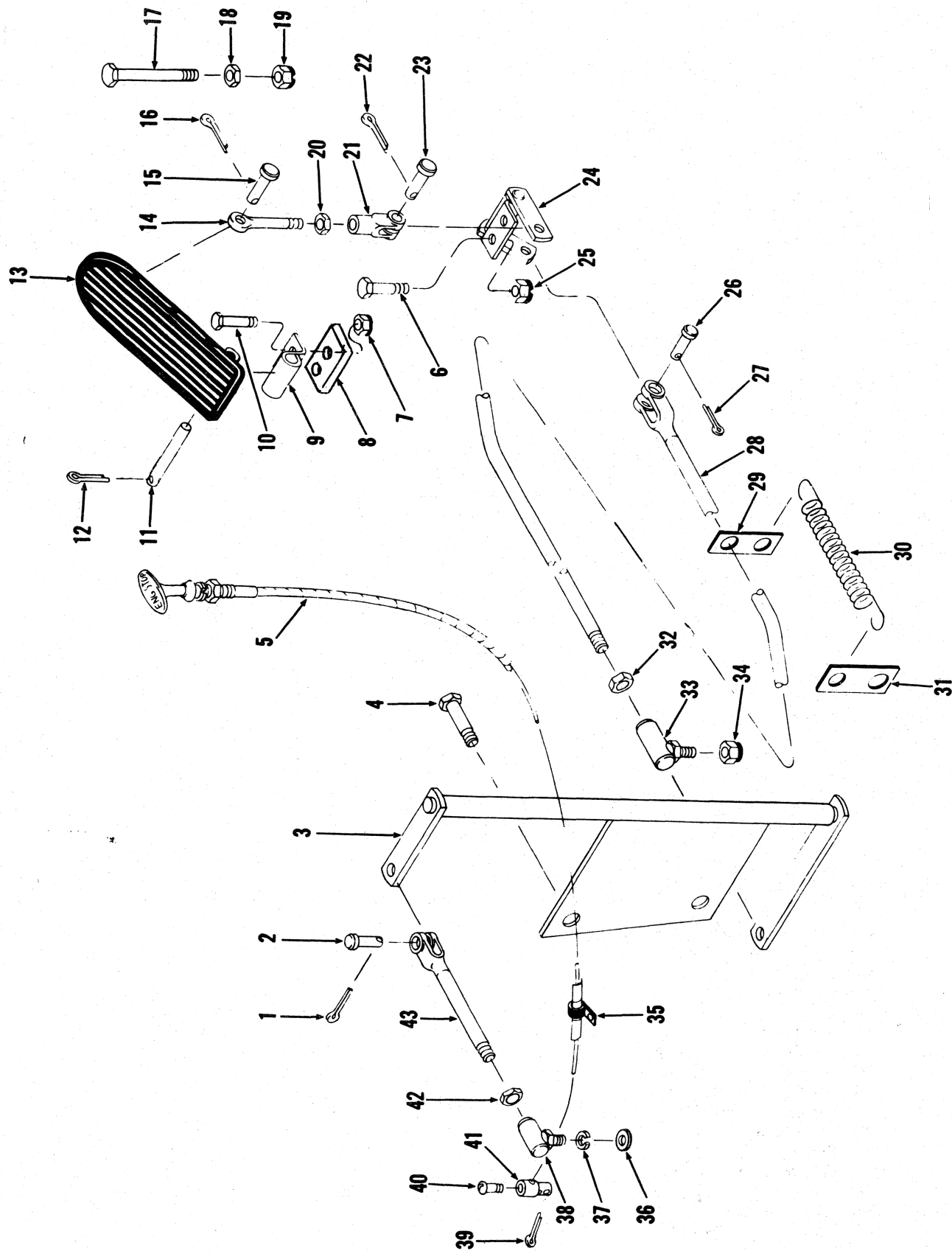
TS-6685-P

**ACCELERATOR PEDAL & LINKAGE – WAUKESHA GAS  
C3WA9-10 thru C3WA9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1523210	CONNECTOR, Wire	1	20	—	OMIT	—
2	85G-806	SCREW, Connector	1	21	18D-04	NUT, Stop to Floorboard Bolt	1
3	1F-308	COTTER, Connector	1	22	550619	ROD, Pedal to Clevis	1
4	6H-2	CLIP, Cable to Flywheel Housing	1	23	8D-04	NUT, Clevis Jam	1
5	4E-06	LKWSHR, Clip Mounting Bolt	1	24	4F-04051	PIN, Clevis to Bellcrank	1
6	23C-612	BOLT, Clip to Flywheel Housing Mtg.	1	25	1F-208	COTTER, Clevis to Bellcrank Pin	1
7	8D-06	NUT, Cable Jam	1	26	2J-4200	CLEVIS, Pedal Rod to Bellcrank	1
8	7H-20	CABLE, Choke	1	27	18D-04	NUT, Bracket to Floorboard Bolt	2
9	4F-05062	PIN, Rod to Bellcrank	1	28	623760	BRACKET, Pedal Pivot	1
10	1F-308	COTTER, Rod to Bellcrank Pin	1	29	18D-04	NUT, Bellcrank to Floorboard Bolt	2
11	1527784	BELLCRANK	1	30	567634	ROD ASSY, Accelerator (Inc. 31, 34, 35)	1
12	24C-412	BOLT, Bellcrank to Floorboard	2	31	585583	ANCHOR, Spring	1
13	1F-316	COTTER, Pedal to Bracket Pin	1	32	551090	SPRING	1
14	623762	PIN, Pedal to Bracket	1	33	567327	GUIDE, Accelerator Rod	1
15	4F-04051	PIN, Rod to Pedal	1	34	8D-04	NUT, Clevis Jam	1
16	1F-208	COTTER, Rod to Pedal Pin	1	35	2J-4200	CLEVIS	1
17	24C-412	BOLT, Bracket to Floorboard	2	36	4F-04051	PIN, Clevis	1
18	623829	PEDAL, Accelerator	1	37	1F-207	COTTER, Clevis Pin	1
19	24C-444	BOLT, Stop to Floorboard	1				

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

TS-13888



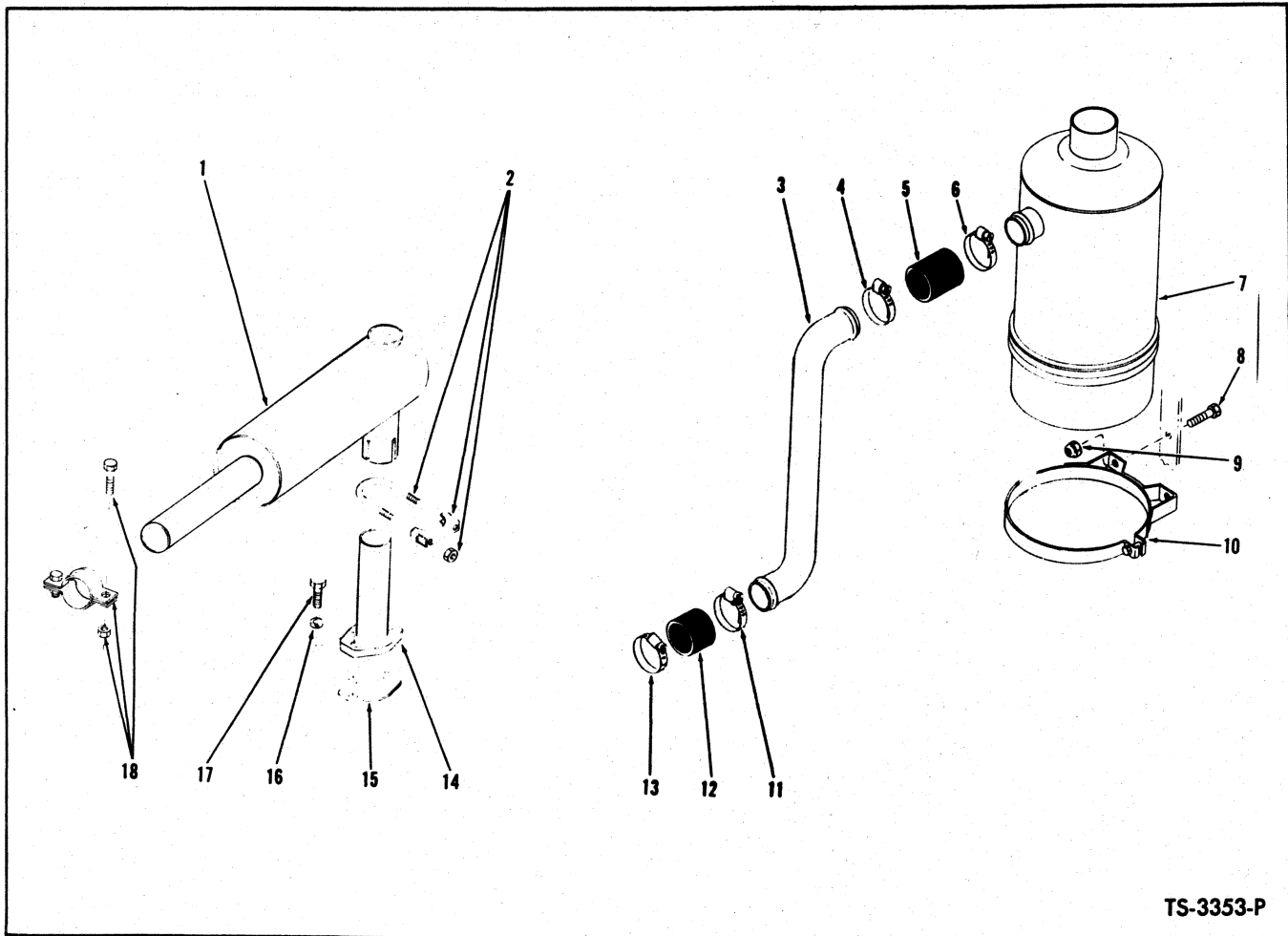
ACCELERATOR PEDAL LINKAGE — G.M.

**Accelerator Pedal & Linkage – G.M.**

No.	Part No.	Qty.	Description
1	1F-308	1	Pin cotter
2	4F-05062	1	Pin clevis
3	<sup>2</sup> 1527789	1	Bellcrank
4	<sup>3</sup> 23C-820	2	Bolt
4A	<sup>4</sup> 23C-824	2	Bolt
5	1520193	1	Cable
6	24C-412	2	Bolt
7	18D-04	2	Nut
8	<sup>5</sup> 72556	1	Spacer
9	623760	1	Bracket
10	24C-416	2	Bolt
11	623762	1	Pin
12	1F-316	1	Pin cotter
13	623829	1	Pedal
14	550619	1	Rod
15	4F-04051	1	Pin clevis
16	1F-207	1	Pin cotter
17	24C-444	1	Bolt
18	<sup>6</sup> 8D-04	1	Nut
18A	<sup>3</sup> 551016	1	Stop
19	18D-04	1	Nut
20	8D-04	1	Nut
21	1F-207	1	Pin cotter
22	2J-4200	1	Clevis
23	4F-04051	1	Pin clevis
24	<sup>2</sup> 1527784	1	Bellcrank

No.	Part No.	Qty.	Description
25	18D-04	2	Nut
26	4F-05062	1	Pin clevis
27	1F-308	1	Pin cotter
28	<sup>2,7</sup> 1527805	1	Rod assy
29	612279	1	Anchor
30	551090	1	Spring
31	<sup>5</sup> 57935	1	Anchor
32	<sup>6</sup> 8D-06	1	Nut
32A	<sup>†</sup> 8D-05	1	Nut
33	<sup>4</sup> 1301362	1	Ball joint
33A	<sup>†</sup> 2J-5204	1	Clevis
33B	<sup>†</sup> 4F-05062	1	Pin
34	<sup>4</sup> 18D-06	1	Nut
34A	<sup>†</sup> 25E-13	1	Washer
35	3H-10	1	Clip
36	25E-13	2	Washer
37	4E-05	1	Lockwasher
38	1301361	1	Ball joint
39	1F-208	1	Pin cotter
40	<sup>8</sup> 85G-806	1	Screw
40A	<sup>8</sup> 85G-1008	1	Screw
41	<sup>3</sup> 1523210	1	Connector
41A	<sup>4</sup> 1523209	1	Connector
42	8D-05	1	Nut
43	<sup>5</sup> 67111	1	Rod assy

<sup>2</sup>When replacing items 3, 24, 28 on machine serial C3WG9-10→C3WG9-999, C5WG9-10→C5WG9→111 all three items must be replaced plus one (1) 18D-06 Nut (Item 34).  
<sup>3</sup>G.M. C3WG9-10→C5WG9-999, 7WG101→7WG455  
<sup>4</sup>G.M. 7WG456 & →  
<sup>5</sup>7WG101 & →  
<sup>6</sup>G.M. C5WG9-112→C5WG9-999, 7WG101 & →  
<sup>7</sup>Inc. 29, 32, 33  
<sup>8</sup>Inc. 38, 42

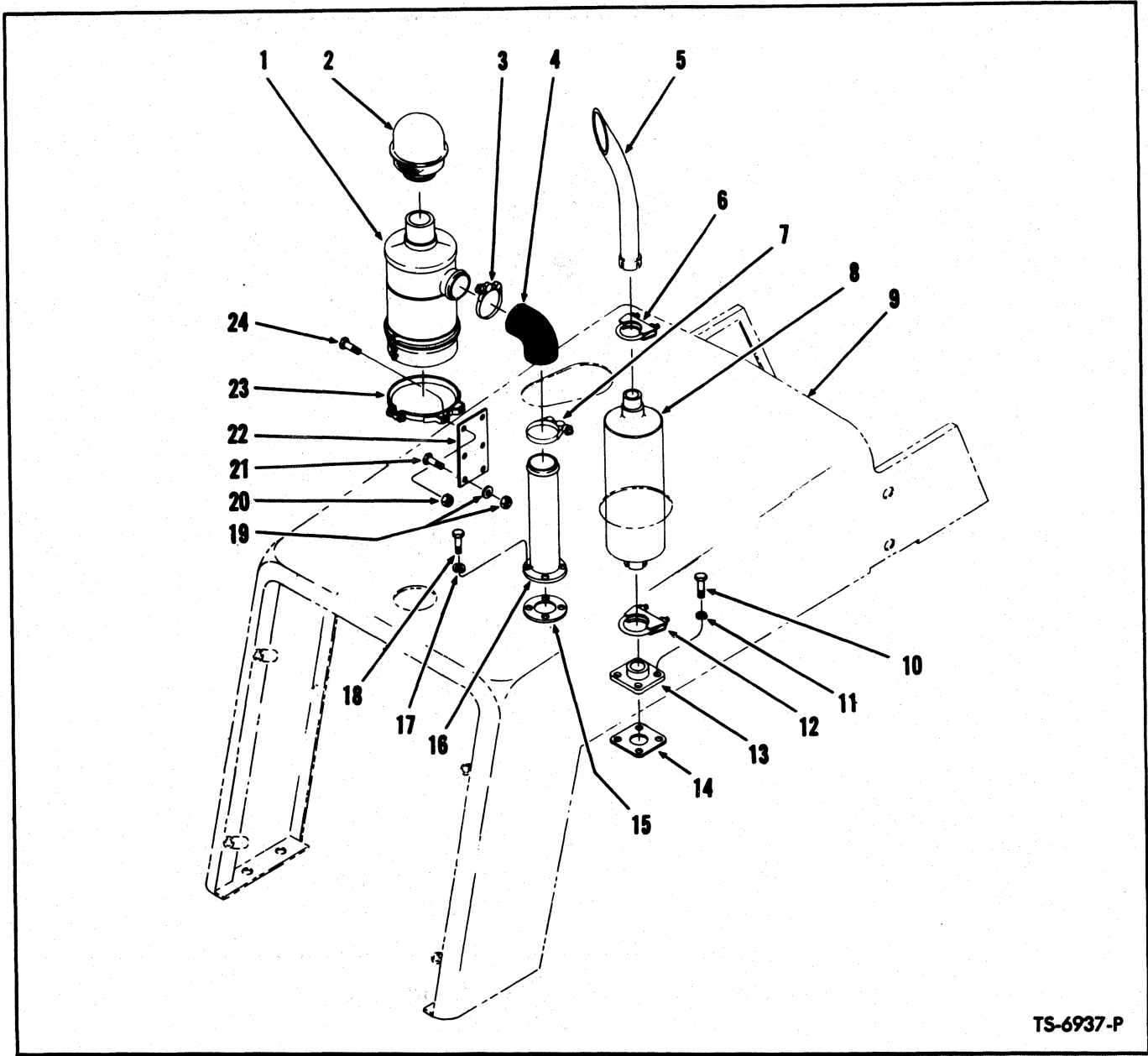


TS-3353-P

**AIR CLEANER & MUFFLER – CONTINENTAL**  
**C3WCO9-10 thru C3WCO9-999**

Item No.	Part No.	Description	No. Req'd.
1	585315	MUFFLER	1
2	656597	CLAMP, Muffler to Exhaust Pipe	1
3	-----	TUBE, Air Cleaner	
3A	586466	For Serial: C3WCO9-10 thru C3WCO9-75	1
3B	1522177	For Serial: C3WCO9-76 thru C3WCO9-999	1
4	875248	CLAMP, Hose	1
5	1M-16030	HOSE, Tube to Air Cleaner	1
6	875248	CLAMP, Hose	1
7	585760	AIR CLEANER	1
8	24C-612	BOLT, Air Cleaner to Reservoir Support	2
9	18D-06	NUT, Air Cleaner to Reservoir Support	2
10	871610	BAND, Air Cleaner Mounting	2
11	875248	CLAMP, Hose	1
12	1M-16030	HOSE, Tube to Carburetor	1
13	875248	CLAMP, Hose	1
14	585316	PIPE, Exhaust	1
15	524221	GASKET, Exhaust Pipe	1
16	4E-06	LKWSHR, Exhaust Pipe to Manifold	2
17	23C-620	BOLT, Exhaust Pipe to Manifold	2
18	551528	CLAMP, Muffler to Hood	1

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

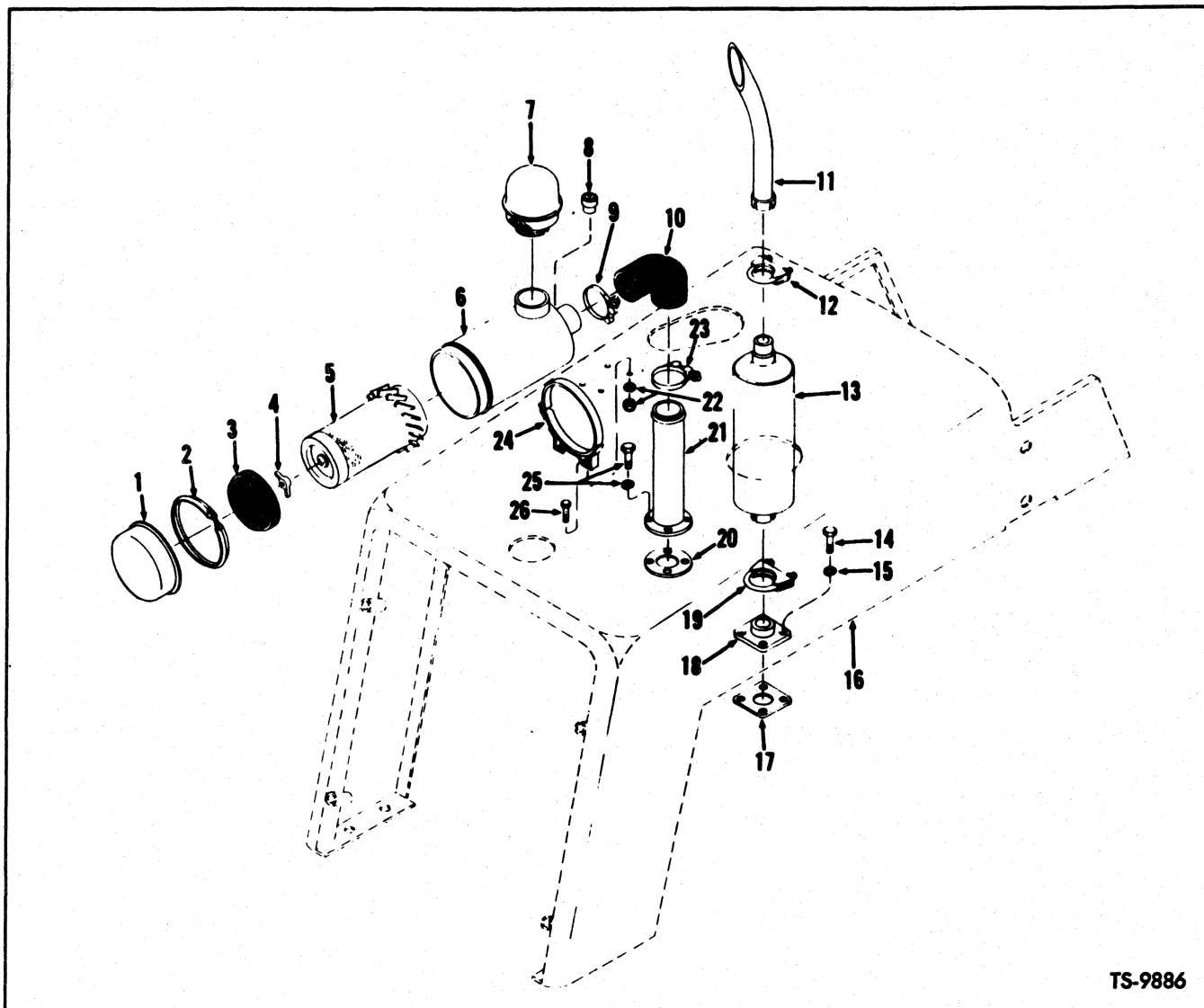


TS-6937-P

**AIR CLEANER, MUFFLER & CONNECTIONS — G.M.**  
**For Serial: C5WG9-10 thru C5WG9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	—	AIR CLEANER — See Index .....	—	15	527096	GASKET, Intake .....	1
2	420946	CAP, Air Cleaner .....	1	16	532333	ADAPTER, Air Intake .....	1
3	539042	CLAMP, Hose .....	1	17	4E-05	LKWSHR, Adapter to Engine .....	4
4	515425	ELBOW, Hose .....	1	18	23C-512	BOLT, Adapter to Engine .....	4
5	543576	TAIL PIPE .....	1	19	18D-06	NUT, Plate to Hood Bolt .....	2
6	507068	CLAMP, Tail Pipe to Muffler .....	1	19A	18D-06	NUT, Strap & Plate to Hood Bolt .....	2
7	539042	CLAMP, Hose .....	1	19B	619021	WASHER, Plate to Hood Nut .....	4
8	543575	MUFFLER .....	1	20	18D-06	NUT, Strap to Plate .....	2
9	—	HOOD — See Index .....	—	21	24C-616	BOLT, Plate to Hood .....	2
10	23C-620	BOLT, Adapter to Engine .....	4	21A	24C-616	BOLT, Strap & Plate to Hood .....	2
11	4E-06	LKWSHR .....	4	22	532332	PLATE, Air Cleaner Mounting .....	1
12	507069	CLAMP, Muffler to Adapter .....	1	23	420945	STRAP, Air Cleaner .....	2
13	549082	ADAPTER, Exhaust .....	1	24	24C-616	BOLT, Strap to Plate .....	2
14	549084	GASKET, Exhaust .....	1				

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



TS-9886

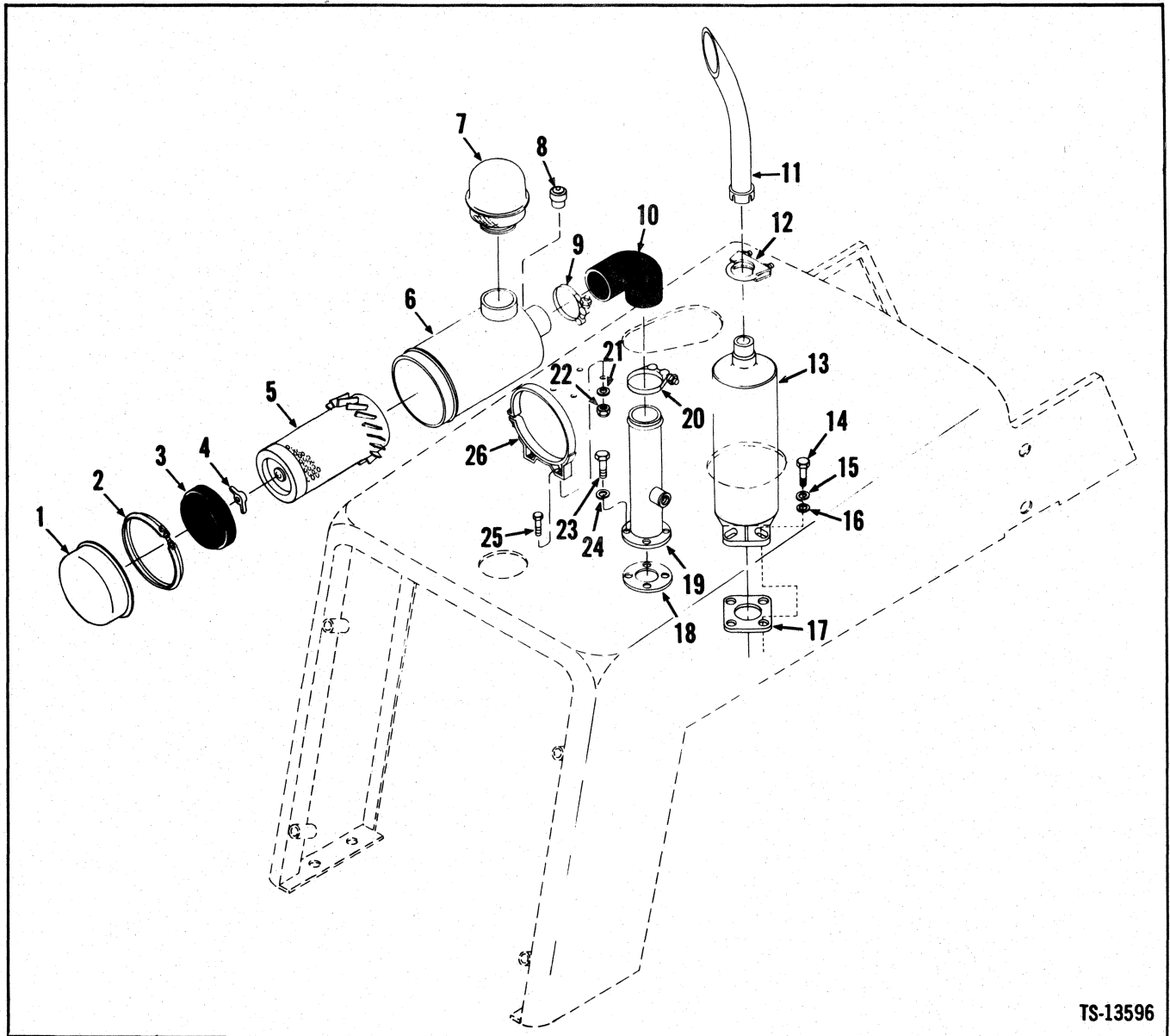
**AIR CLEANER, MUFFLER & CONNECTIONS – G.M.**

For Serial: 7WG101 thru 7WG420

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	990215	CUP, Air Cleaner .....	1	15	4E-06	LKWSHR, Adapter to Engine .....	4
2	886570	CLAMP, Air Cleaner Cup .....	1	16	—	HOOD — See Index .....	—
3	891328	BAFFLE, Air Cleaner .....	1	17	549084	GASKET, Adapter .....	1
4	886526	WING NUT, Cartridge Retaining .....	1	18	549082	ADAPTER, Exhaust .....	1
4A	886527	†GASKET, Mounting Element .....	1	19	507069	CLAMP, Muffler to Adapter .....	1
5	1990272	ELEMENT, Air Cleaner .....	1	20	527096	GASKET, Adapter to Engine .....	1
6	1902351	AIR CLEANER ASSY (Inc. 1 thru 6) .....	1	21	1539781	*ADAPTER, Intake .....	1
7	1902214	CAP, Air Cleaner .....	1	22	18D-05	NUT, Air Cleaner Mounting .....	4
8	1529625	INDICATOR, Service .....	1	22A	619021	WASHER, Air Cleaner Mounting .....	4
9	545153	CLAMP, Hose to Air Cleaner .....	1	23	545153	CLAMP, Hose to Adapter .....	1
10	1520730	HOSE, Tube to Air Cleaner .....	1	24	551660	BAND, Air Cleaner Mounting .....	1
11	543576	PIPE, Tail .....	1	25	23C-516	BOLT, Adapter to Engine .....	4
12	507068	CLAMP, Tailpipe .....	1	25A	4E-05	LKWSHR, Adapter to Engine .....	4
13	543575	MUFFLER .....	1	26	24C-512	BOLT, Air Cleaner Mounting .....	4
14	23C-620	BOLT, Adapter to Engine .....	4				

†Not Illustrated  
\*G.M. 7WG101→7WG345

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



TS-13596

**Muffler, Air Cleaner & Connections\***

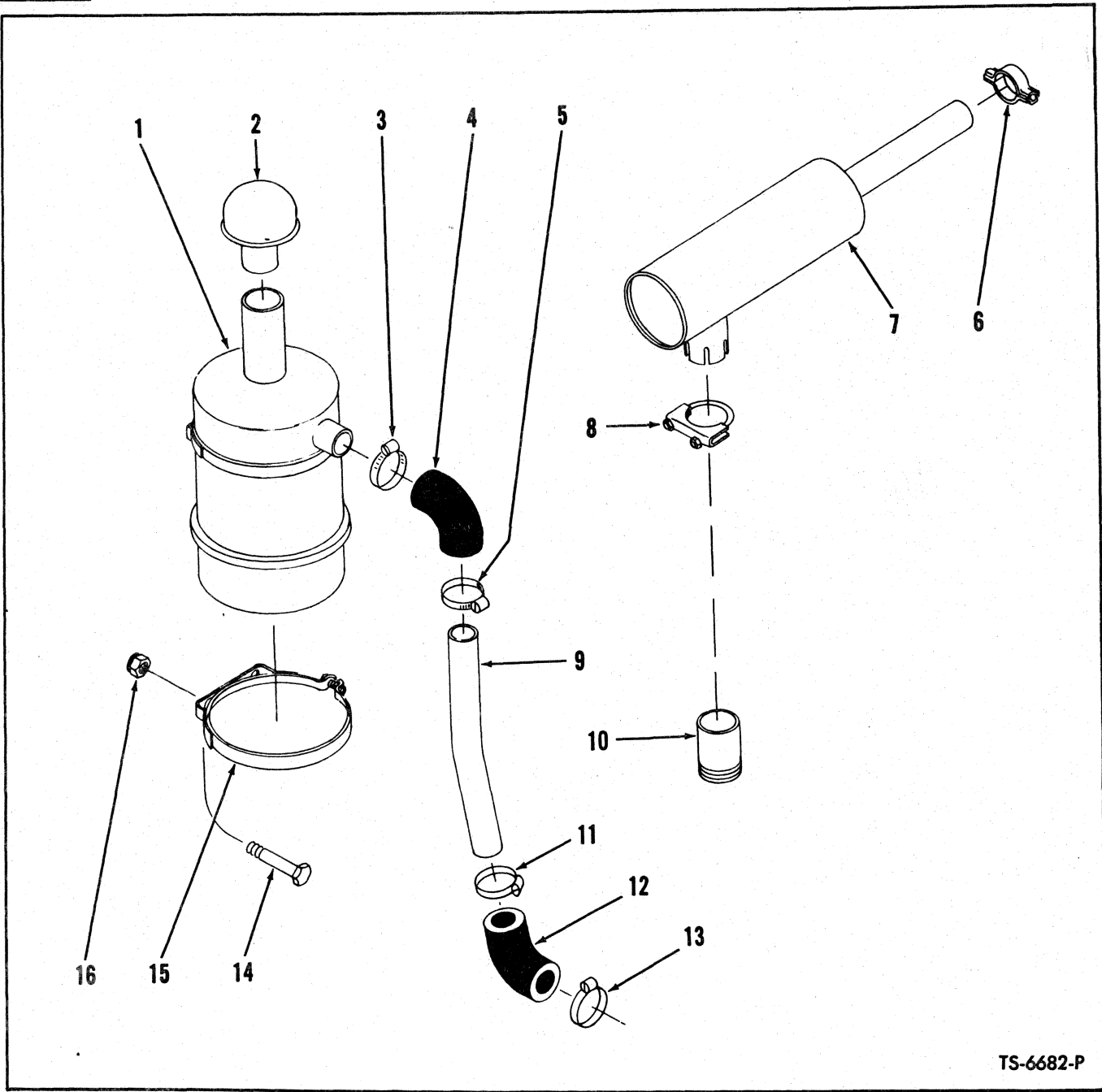
No.	Part No.	Qty.	Description
1	990215	1	Cup
2	886570	1	Clamp
3	891328	1	Baffle
4	886526	1	Wing nut
4A	†886527	1	Gasket
5	1990272	1	Element air cleaner
6	‡1902351	1	Air cleaner assy
7	1902214	1	Cap
8	1529625	1	Service indicator
9	545153	1	Clamp
10	1520730	1	Hose
11	547585	1	Tailpipe
12	660738	1	Clamp
13	568806	1	Muffler

No.	Part No.	Qty.	Description
14	23C-620	4	Bolt
15	4E-06	4	Lockwasher
16	656672	4	Washer
17	509303	1	Gasket
18	‡527096	1	Gasket
19	‡1516128	1	Adapter assy
20	545153	1	Clamp
21	619021	4	Washer
22	18D-05	4	Nut
23	‡23C-516	4	Bolt
24	‡4E-05	4	Lockwasher
25	24C-512	4	Bolt
26	551660	1	Strap

\*G.M. 7WG421 & →

†Inc. 1→5

‡G.M. 7WG346 & →



TS-6682-P

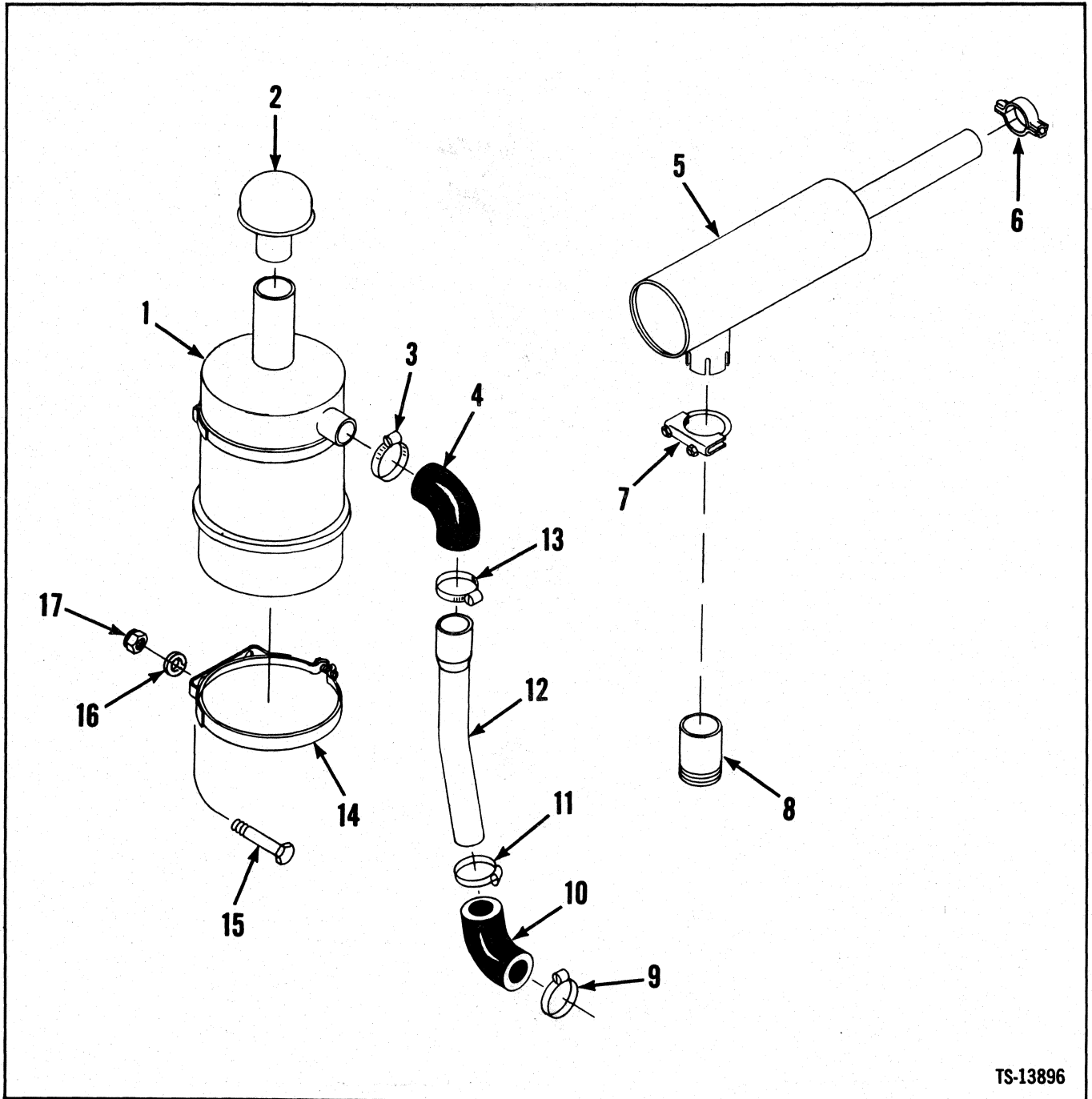
**MUFFLER, AIR CLEANER & CONNECTIONS – WAUKESHA GAS**  
For Serial: C3WA9-10 thru C3WA9-90

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550654	*AIR CLEANER .....	1	9	567348	TUBE, Air Intake .....	1
2	550653	CAP, Air Cleaner .....	1	10	550651	ADAPTER, Manifold .....	1
3	875248	CLAMP, Hose .....	1	11	875248	CLAMP, Hose .....	1
4	550657	HOSE, Intake Tube to Air Cleaner .....	1	12	550657	HOSE, Intake Tube to Engine .....	1
5	875248	CLAMP, Hose .....	1	13	875248	CLAMP, Hose .....	1
6	551528	CLAMP, Muffler to Hood .....	1	14	24C-516	BOLT, Strap to Bracket .....	4
7	550650	MUFFLER .....	1	15	550659	STRAP, Air Cleaner Mounting .....	2
8	550652	CLAMP, Muffler to Adapter .....	1	16	18D-05	NUT, Strap to Bracket Bolt .....	4

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

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





TS-13896

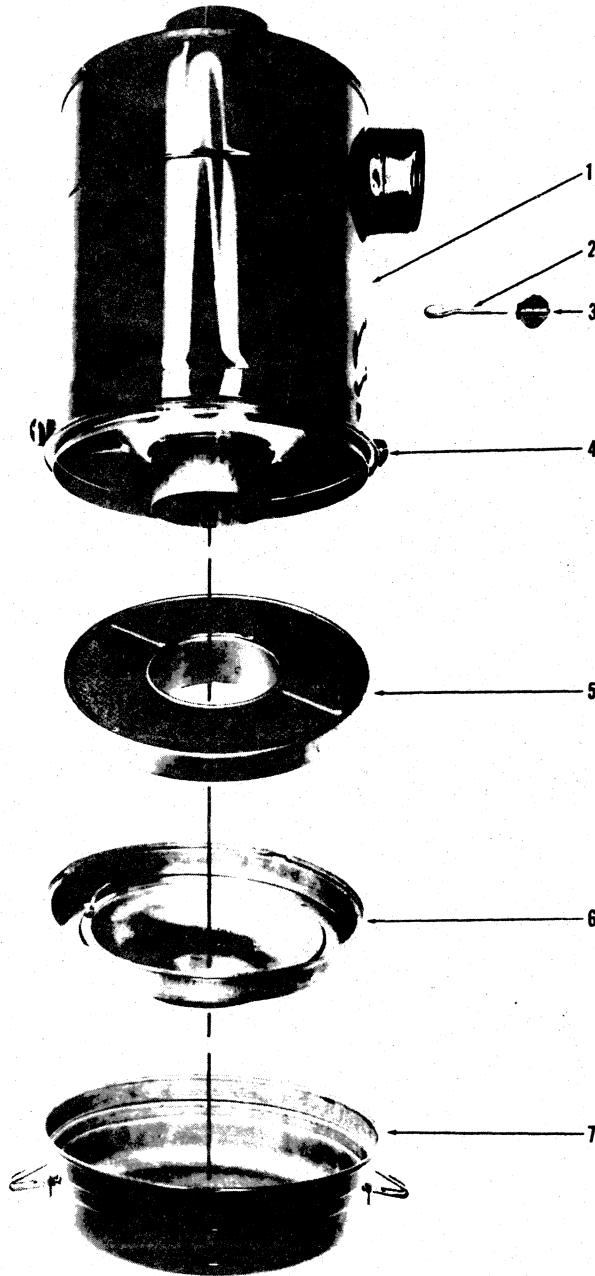
### Muffler, Air Cleaner & Connections\*

No.	Part No.	Qty.	Description
1	1615458	1	Air cleaner
2	551659	1	Cap
3	875248	1	Clamp
4	544221	1	Hose
5	550650	1	Muffler
6	551528	1	Clamp
7	550652	1	Clamp
8	550651	1	Adapter
9	875248	1	Clamp

No.	Part No.	Qty.	Description
10	550657	1	Hose
11	875248	1	Clamp
12	1505884	1	Tube
13	875248	1	Clamp
14	871610	2	Strap
15	24C-616	4	Bolt
16	23E-18	4	Washer
17	18D-06	4	Nut

\*Waukesha Gas - C3WA9-91 → C3WA9-999

†See Index



TS-4357-P

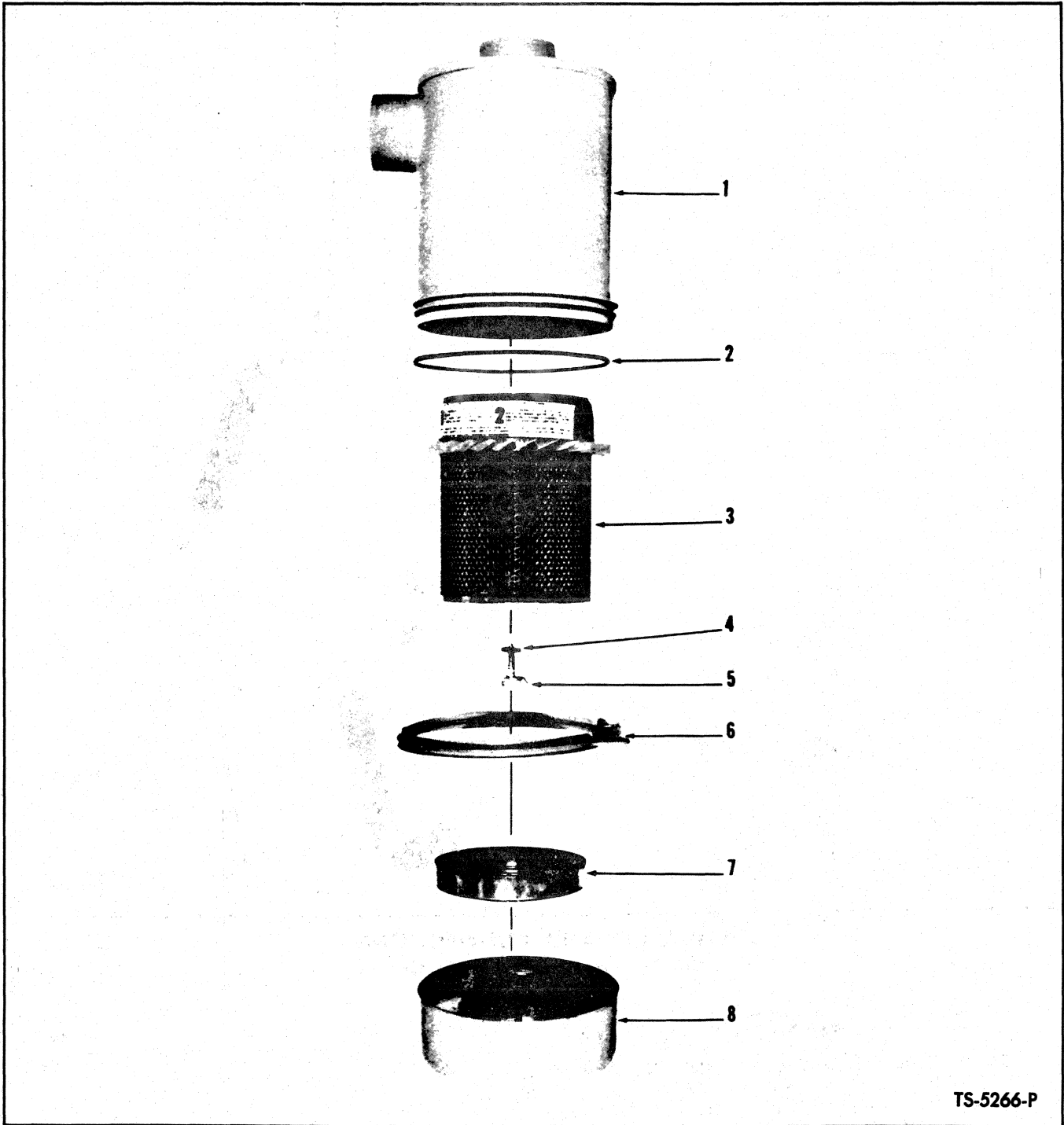
**AIR CLEANER ASSEMBLY — G.M.**

For Serial: C3WG9-10 thru C5WG9-999

Item No.	Part No.	Description	No. Req'd.
A	566600	AIR CLEANER ASSY (Inc. 1 thru 7) .....	1
1	—	§ BODY (See "A") .....	—
2	891814	HOOK .....	2
3	891815	NUT, Wing .....	2
4	—	§ BAND ASSY (See "A") .....	—
5	896557	ELEMENT .....	1
6	896556	CUP, Inner Oil .....	1
7	896555	CUP, Outer Oil .....	1

§Not Sold Separately — Order Complete Assembly

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



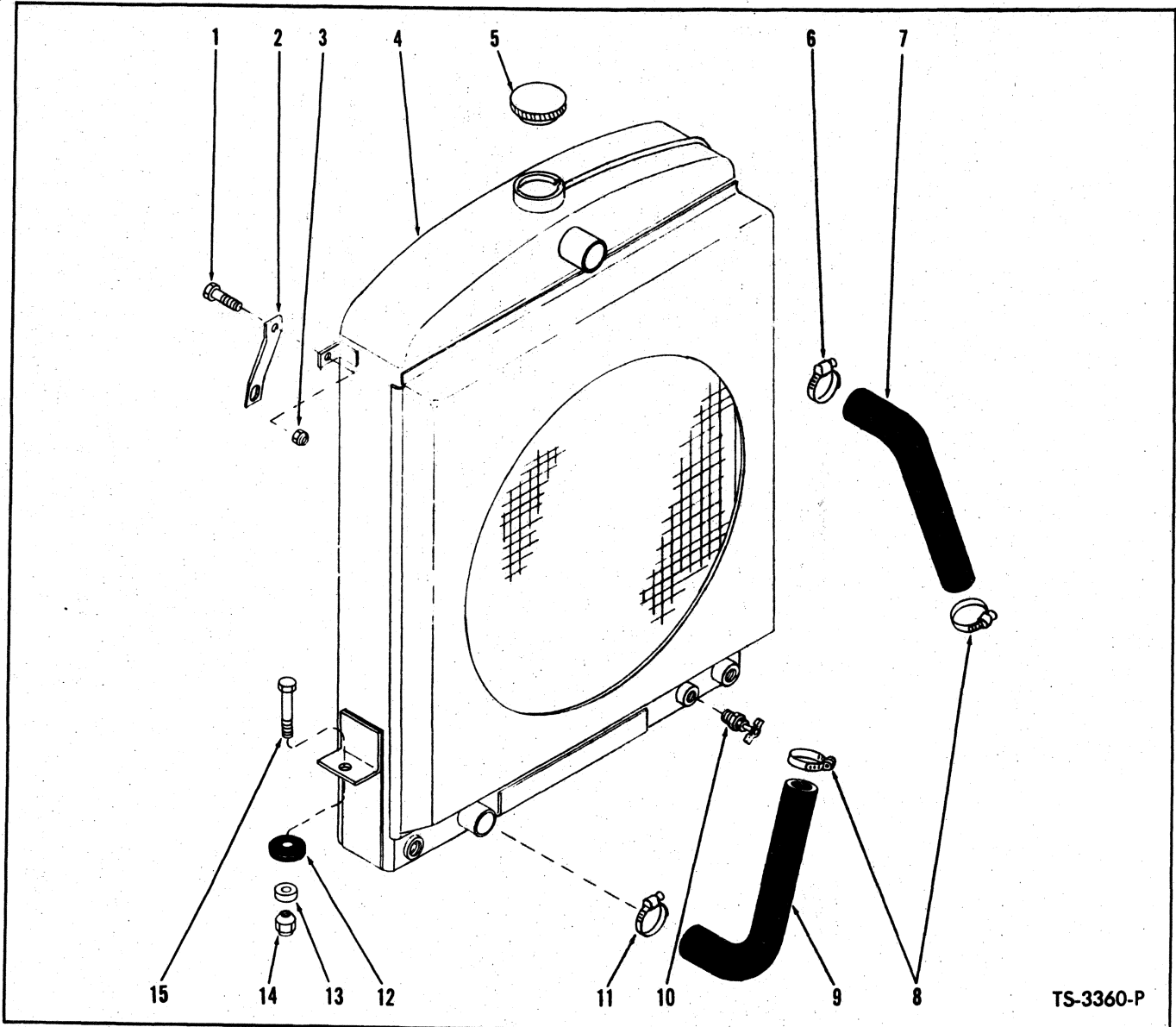
TS-5266-P

**AIR CLEANER ASSEMBLY – WAUKESHA**  
For Serial: C3WA9-91 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1615458	AIR CLEANER ASSY (Inc. 1 thru 8) .....	1	5	886526	SCREW, Element Attaching .....	1
1	-----	§BODY, Air Cleaner – See Item A .....	—	6	866028	CLAMP, Dust Cover .....	1
2	-----	OMIT .....	—	7	891024	BAFFLE .....	1
3	886525	ELEMENT .....	1	8	891025	CUP, Dust .....	1
4	886527	WASHER, Element Attaching .....	1				

§Not Sold Separately

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

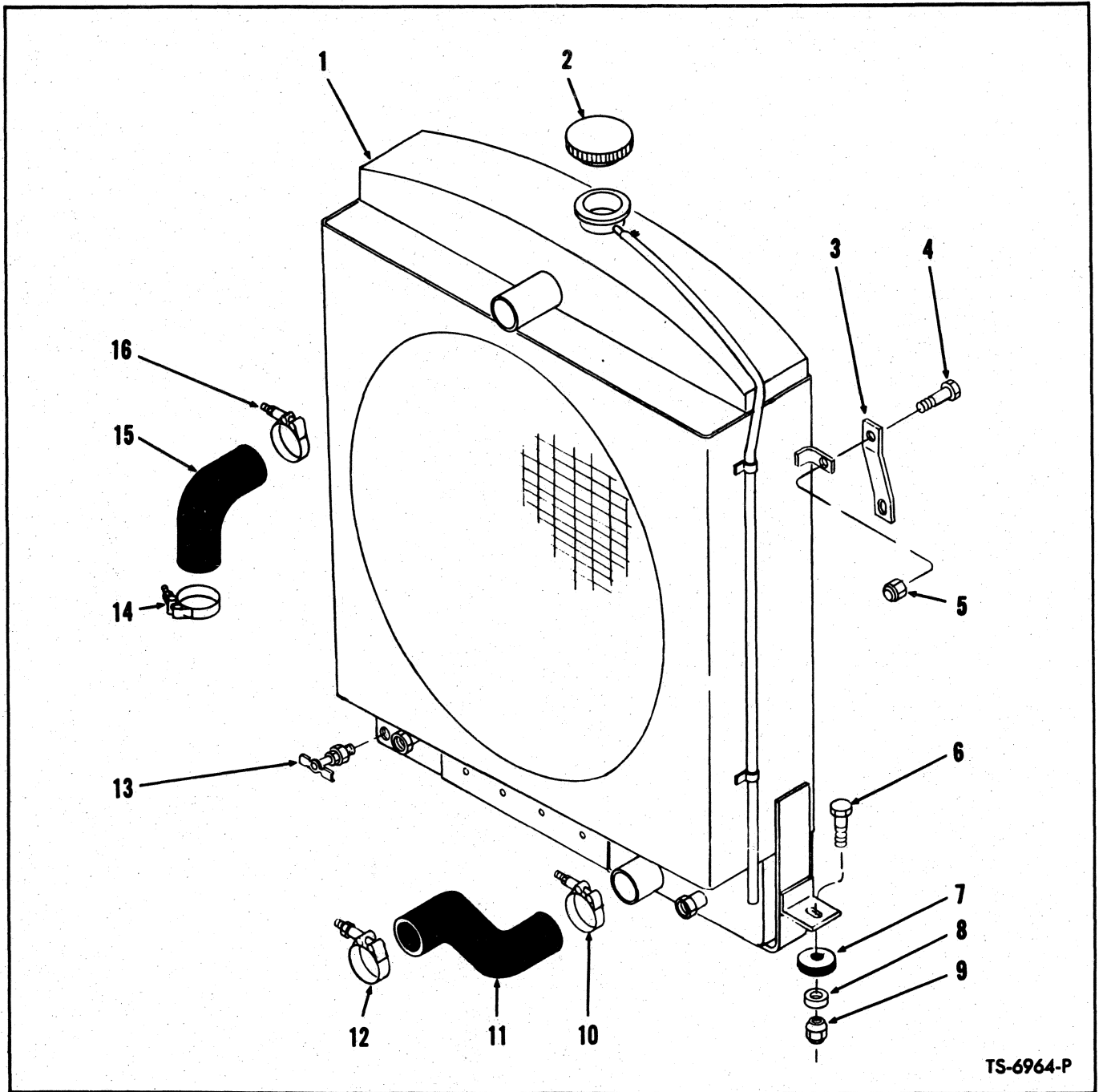


TS-3360-P

**RADIATOR AND CONNECTIONS**  
Continental and Waukesha Gas

Item No.	Continental Part Number	Waukesha Part Number	Description	No. Req'd.
1	24C-616	24C-616	BOLT, Clip to Radiator .....	2
2	585655	585655	CLIP, Radiator to Grille .....	2
3	18D-06	18D-06	NUT, Clip to Radiator .....	2
4	1516857	1516881	RADIATOR .....	1
5	351495	351495	CAP, Radiator .....	1
6	784663	784663	CLAMP, Hose to Radiator — Upper .....	1
7	523699	550590	HOSE, Radiator to Engine — Upper .....	1
8	784663	784663	CLAMP, Hose to Engine .....	2
9	523698	550591	HOSE, Radiator to Engine — Lower .....	1
10	72F-2	72F-2	DRAIN COCK, Radiator .....	1
11	784663	784663	CLAMP, Hose to Radiator .....	1
12	518233	518233	PAD, Radiator to Frame .....	2
13	71D-08	71D-08	BASE, Radiator to Frame .....	2
14	70D-08	70D-08	NUT, Radiator to Frame .....	2
15	24C-828	24C-828	BOLT, Radiator to Frame .....	2

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



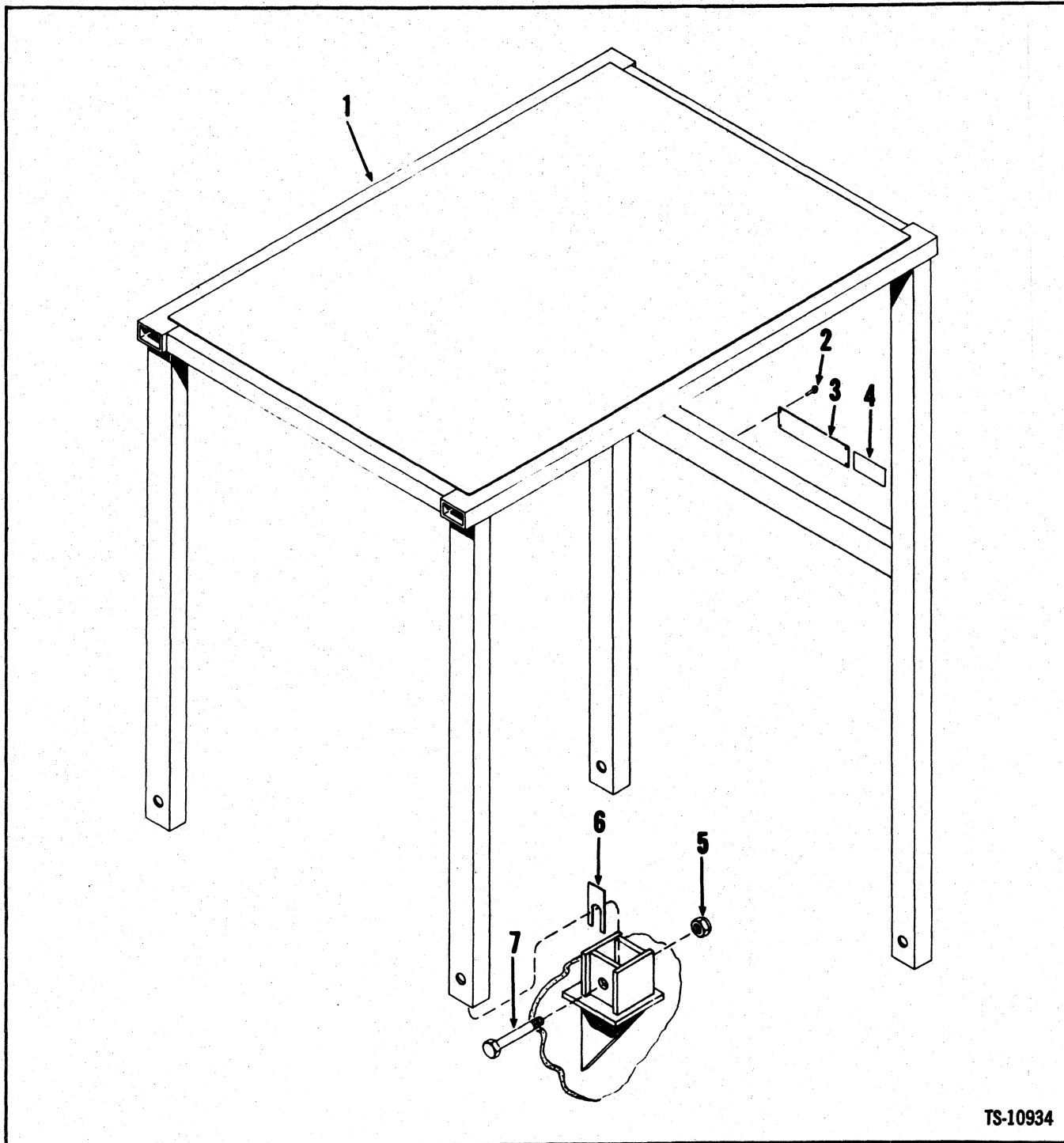
TS-6964-P

**RADIATOR AND CONNECTIONS – G.M.**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	562149	*RADIATOR .....	1	11		HOSE, Radiator to Engine – Lower	
2	351495	CAP, Radiator .....	1	11A	941439	For Serial: C3WG9-10 thru C3WG9-999 .....	1
3	585655	CLIP, Radiator to Grille .....	2	11B	562619	For Serial: C5WG9-10 thru 5WG9-999, 7WG101 & After .....	1
4	24C-616	BOLT, Clip to Grille .....	2	12	784663	CLAMP, Hose .....	1
5	18D-06	NUT, Clip to Grille Bolt .....	2	13	72F-2	DRAIN COCK, Radiator .....	1
6	24C-828	BOLT, Radiator to Frame .....	2	14	784663	CLAMP, Hose .....	1
7	518233	PAD, Radiator to Frame Mounting .....	2	15	562620	HOSE, Radiator to Engine – Upper .....	1
8	71D-08	BASE, Radiator to Frame Nut .....	2	16	784663	CLAMP, Hose .....	1
9	70D-08	NUT, Radiator to Frame Bolt .....	2				
10	784663	CLAMP, Hose .....	1				

\*NOTE: For replacement use 2508681 Radiator.

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

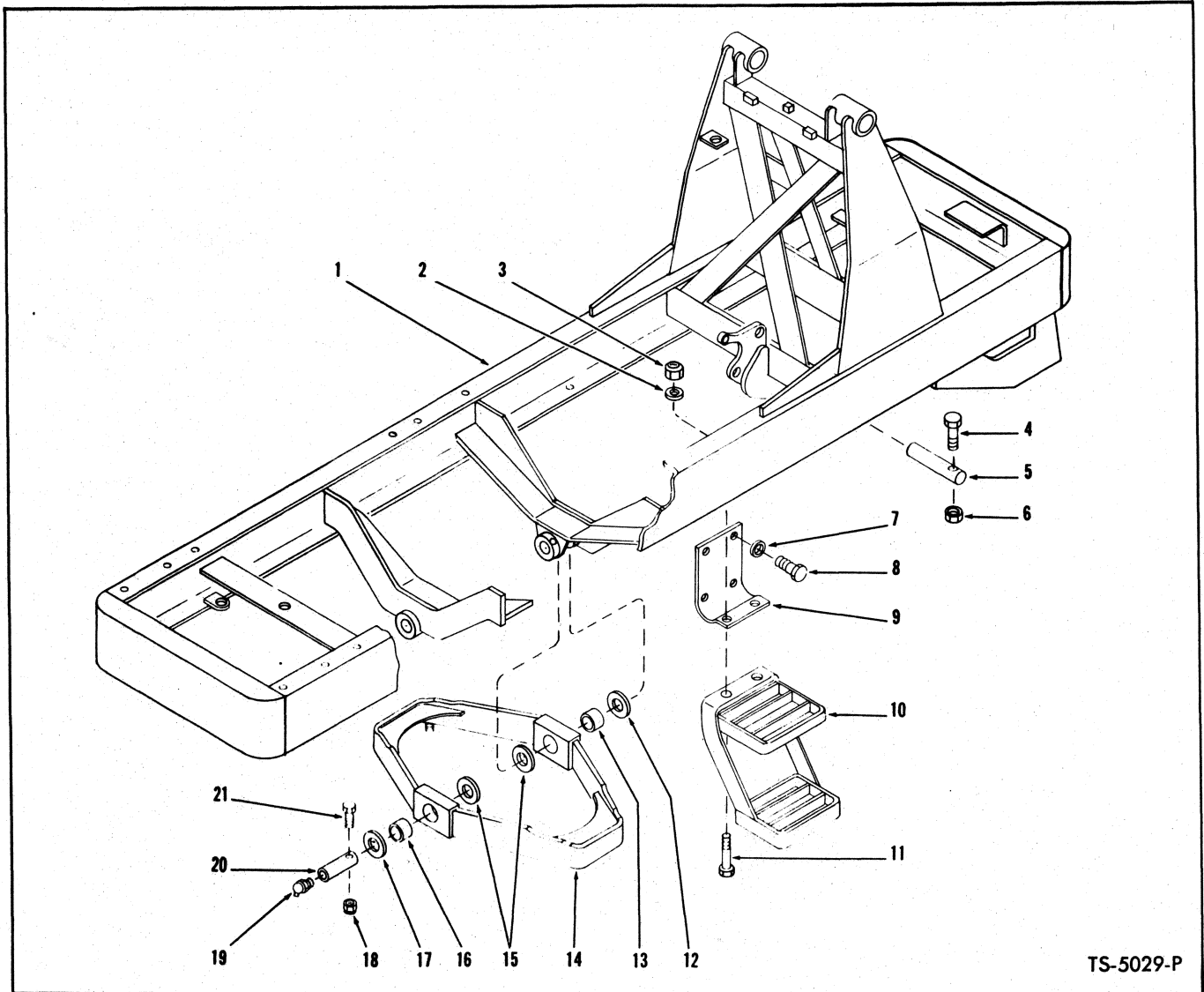


TS-10934

**Roll-over Protective Structure (ROPS)\***

No.	Part No.	Qty.	Description
1	1512557	1	Canopy
2	----	—	Omit
3	----	—	Omit
4	----	—	Omit
5	18D-16	4	Nut
6	1518432	4	Shlm
7	24C-1664	4	Bolt

\*G.M. 7WG456 & →



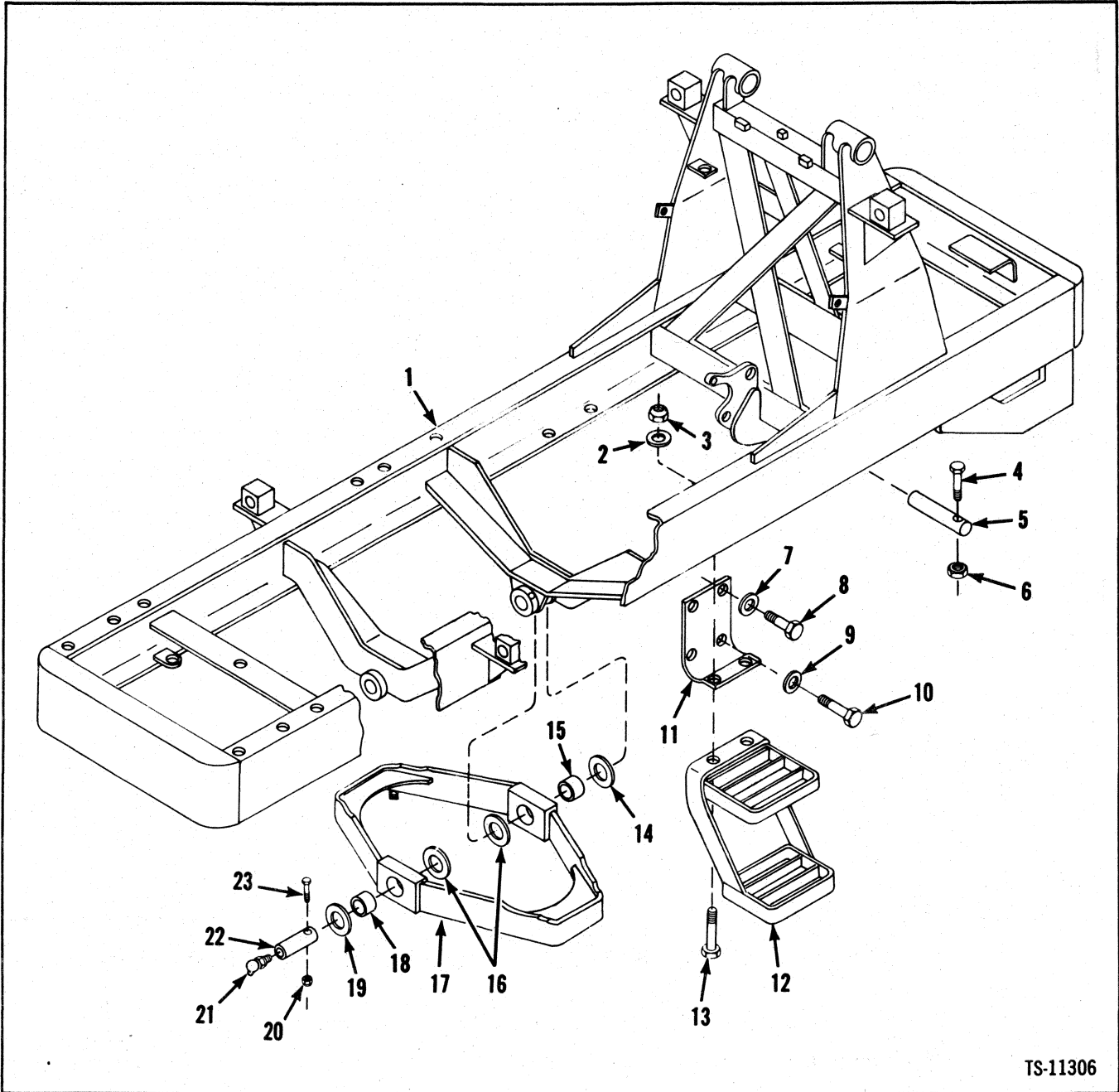
TS-5029-P

**FRAME, CRADLE, TRANSMISSION MOUNTS AND STEPS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		FRAME ASSY		9	584165	MOUNT, Transmission to Frame — R.H.	1
TA	586144	For Continental Powered Machines	1	9A	584180	†MOUNT, Transmission to Frame — L.H.	1
1B	1525487	For Waukesha Powered Machines	1	10	585295	STEP ASSY	2
1C	900616	For G.M. Powered Machines — C3WG9-10 thru C3WG9-999	1	11	24C-832	BOLT, Transmission Mount & Step to Frame	4
1D	567122	For G.M. Powered Machines — C5WG9-10 thru C5WG9-999, 7WG101 thru 7WG455	1	12	551348	‡WASHER, Cradle to Frame — 1/16"	—
2	71D-08	BASE, Transmission Mount to Frame	4	13	585644	BUSHING, Cradle Pivot Pin	1
3	70D-08	NUT, Transmission Mount to Frame	4	14	567290	CRADLE ASSY (Inc. 13, 16)	1
4	24C-876	BOLT, Boom Cylinder Pin Lock	1	15	551347	‡WASHER, Cradle to Frame — 1/8"	—
5	590035	PIN, Boom Cylinder Base to Frame	1	16	585644	BUSHING, Cradle Pivot Pin	1
6	18D-08	NUT, Boom Cylinder Pin Lock	1	17	551348	‡WASHER, Cradle to Frame — 1/16"	—
7	4E-12	LKWSHR, Transmission Mount to Transmission	8	18	18D-08	NUT, Cradle Pivot Pin Lock	2
8	23C-1220	BOLT, Transmission Mount to Transmission	8	19	11H-15	FITTING, Cradle Pivot Pin Grease	2
				20	585327	PIN, Cradle Pivot	2
				21	24C-856	BOLT, Cradle Pivot Pin Lock	2

†Not Illustrated  
‡As Required

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



TS-11306

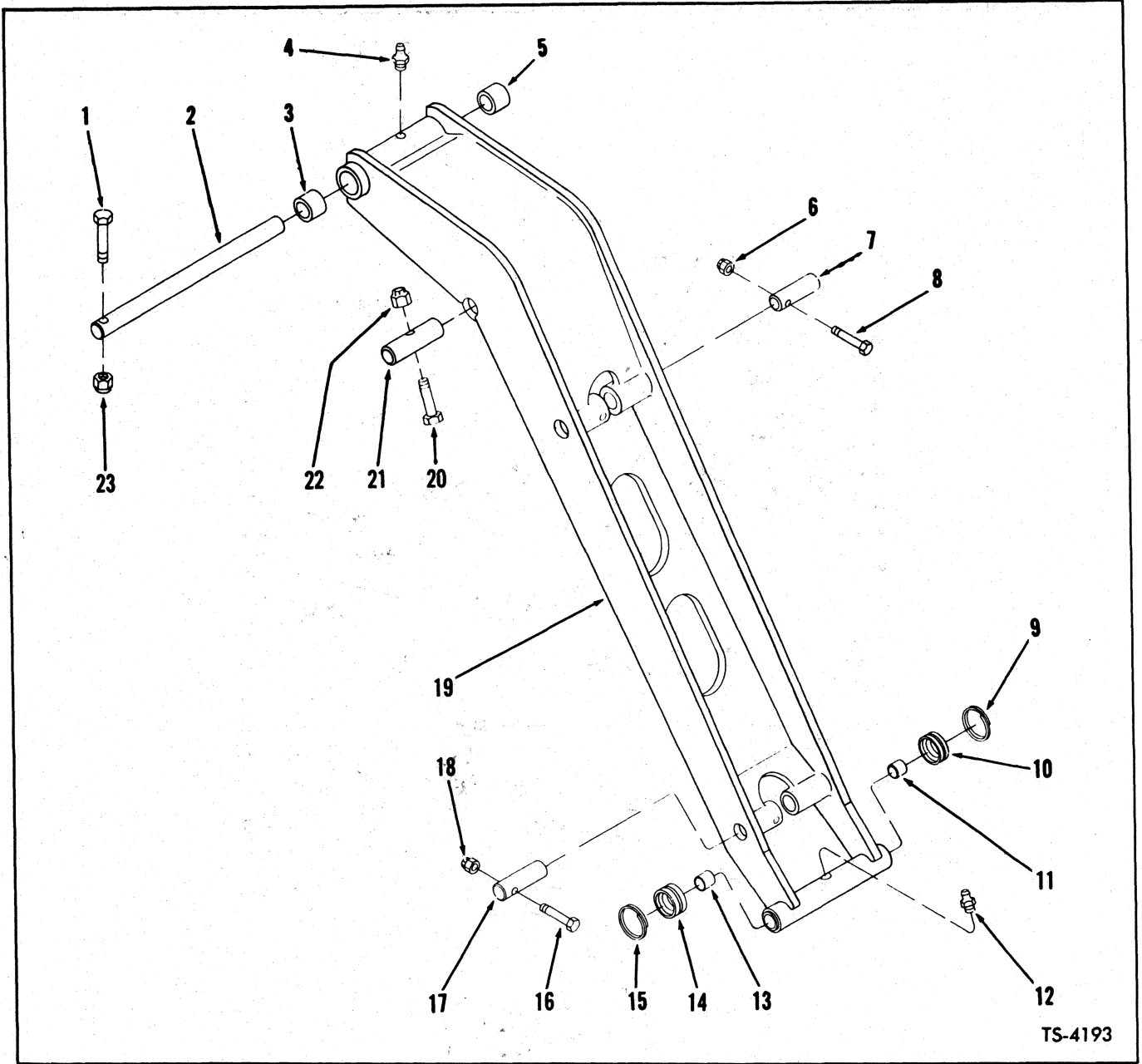
**Frame, Cradle, Transmission Mounts & Steps\***

No.	Part No.	Qty.	Description
1	567122	1	Frame assy
2	71D-08	4	Washer
3	70D-08	4	Nut
4	24C-876	1	Bolt
5	590035	1	Pin
6	18D-08	1	Nut
7	4E-12	4	Lockwasher
8	23C-1228	2	Bolt
9	4E-12	4	Lockwasher
10	23C-1220	6	Bolt
11	584165	1	Mount transm RH
11A	†584180	1	Mount transm LH

No.	Part No.	Qty.	Description
12	585295	2	Step assy
13	24C-836	4	Bolt
14	‡551348	—	Washer
15	585644	1	Bushing
16	‡551347	—	Washer
17	567290	1	Cradle assy axle
18	585644	1	Bushing
19	‡551348	—	Washer
20	18D-08	2	Nut
21	11H-15	2	Fitting grease
22	585327	2	Pin cradle
23	24C-856	2	Bolt

\*For G.M. 7WG456 & →

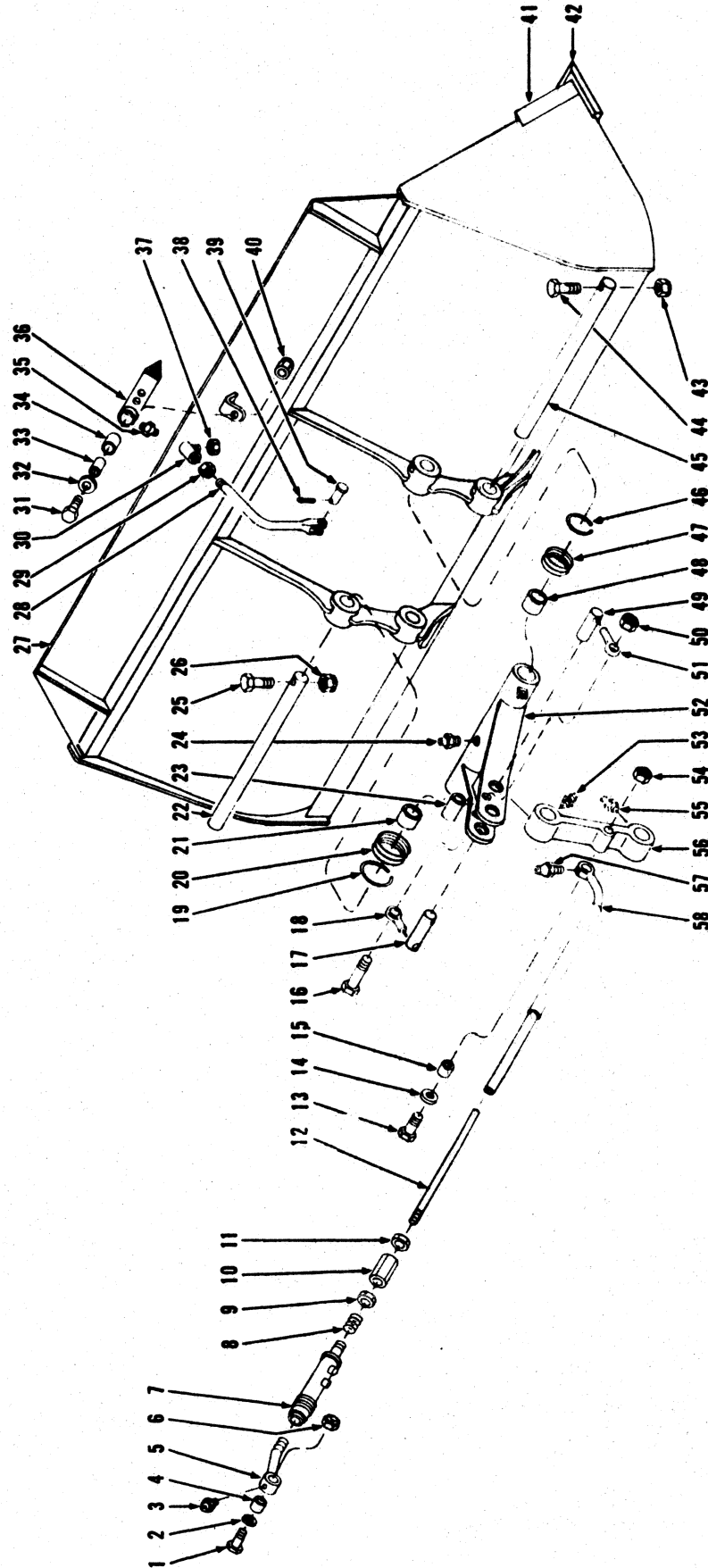




**BOOM GROUP**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	24C-868	BOLT, Boom Pivot Shaft Retaining	1	13	585644	BUSHING, Bucket Pivot Tube	1
2	584714	SHAFT, Boom Pivot	1	14	585311	SEAL, Dirt	1
3	523044	BUSHING, Boom Pivot Shaft	1	15	---	WIRE, Dirt Seal Retainer (11 ga. x 10" long)	1
4	10H-25	FITTING, Boom Pivot Shaft Grease	1	16	24C-856	BOLT, Connecting Link to Boom Pin	1
5	523044	BUSHING, Boom Pivot Shaft	1	17	586199	PIN, Connecting Link to Boom	1
6	18D-08	NUT, Bucket Cylinder to Boom Pin	1	18	18D-08	NUT, Connecting Link to Boom Pin	1
7	586199	PIN, Bucket Cylinder to Boom	1	19	586183	BOOM ASSY (Inc. 3, 5, 11, 13)	1
8	24C-856	BOLT, Bucket Cylinder to Boom Pin	1	20	24C-868	BOLT, Boom Cylinder Rod End Pin	1
9	---	WIRE, Dirt Seal Retainer (11 ga. x 10" long)	1	21	590035	PIN, Boom Cylinder Rod End	1
10	585311	SEAL, Dirt	1	22	18D-08	NUT, Boom Cylinder Rod End Pin	1
11	585644	BUSHING, Bucket Pivot Tube	1	23	18D-08	NUT, Boom Pivot Shaft Retaining	1
12	10H-25	FITTING, Bucket Pivot Tube Grease	1				

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



TS-6979-P

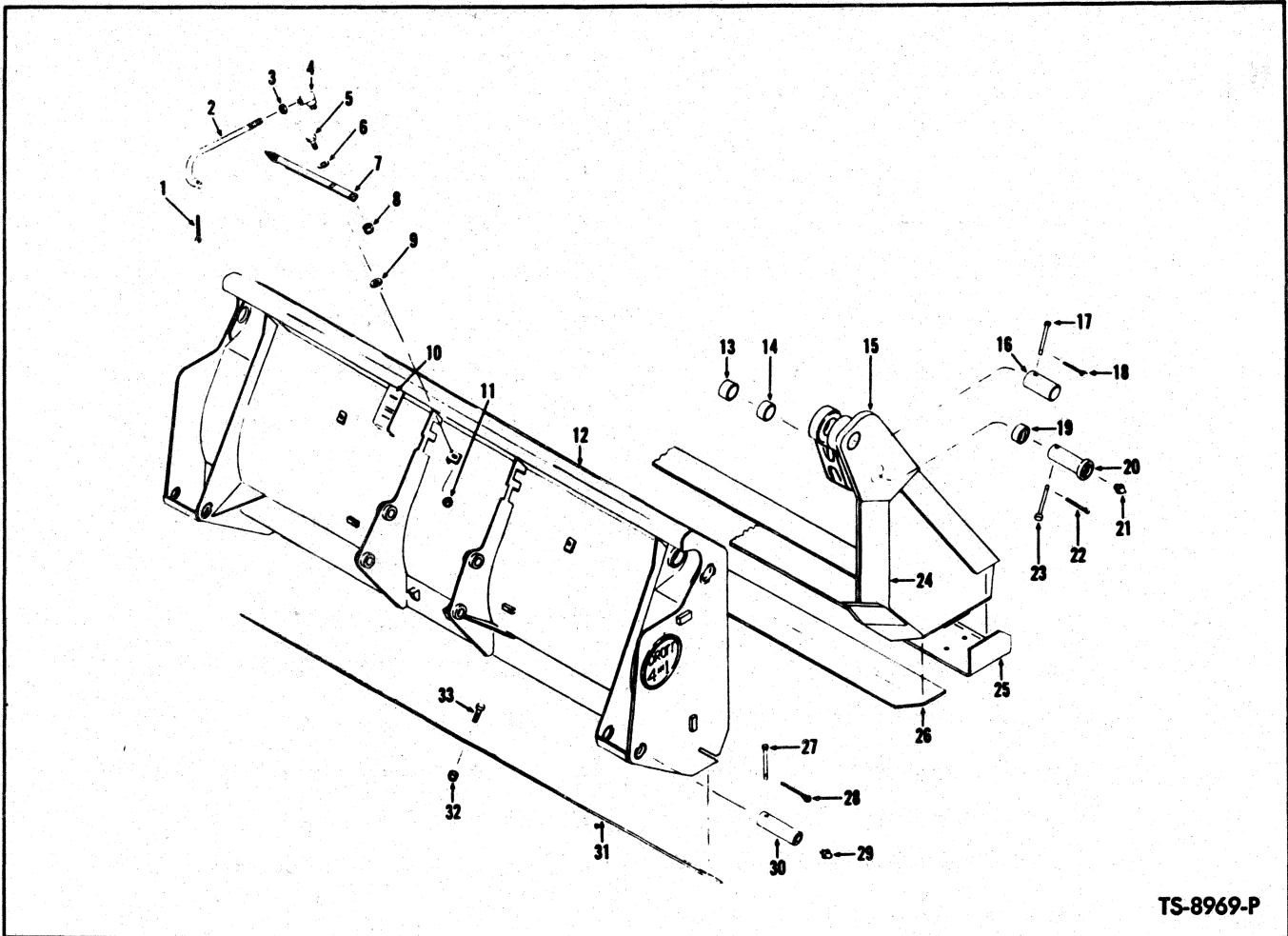
BUCKET, LINKAGE AND INDICATOR

**BUCKET, LINKAGE AND INDICATOR**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	24C-840	BOLT, Offset End Mounting .....	1	32	616796	WASHER, Pointer Arm Bolt .....	1
2	25E-21	WASHER, Offset End Mounting Bolt ..	1	33	550646	SLEEVE, Pointer Arm .....	1
3	12H-25	FITTING, Offset End Grease .....	1	34	526767	BUSHING, Pointer Arm .....	1
4	584406	BUSHING, Offset End .....	1	35	10H-25	FITTING, Pointer Arm Grease .....	1
5	567060	END, Offset .....	1	36	585780	ARM, Pointer .....	1
6	18D-08	NUT, Offset End Mounting Bolt .....	1	37	18D-08	NUT, Ball Joint Lock .....	1
7	-----	VALVE, Bucket Level — See Index .....	—	38	1F-414	COTTER, Clevis Pin .....	1
8	106263	SPRING, Bucket Level Valve .....	1	39	4F-08127	PIN, Clevis .....	1
9	586433	NUT, Level Valve Jam .....	1	40	18D-08	NUT, Pointer Arm Lock .....	1
10	567062	COUPLING, Valve to Rod .....	1	41	940173	CUTTING EDGE, Side — R.H. ....	1
11	103089	NUT, Coupling Jam .....	1	41A	940172	† CUTTING EDGE, Side — L.H. ....	1
12	567061	ROD, Level Valve Plunger .....	1	42	586173	CUTTING EDGE, Main .....	1
13	24C-864	BOLT, Rod to Connecting Link .....	1	43	18D-06	NUT, Bucket Pivot Shaft Bolt .....	1
14	25E-21	WASHER, Rod to Connecting Link Bolt	1	44	24C-656	BOLT, Bucket Pivot Shaft .....	1
15	584406	BUSHING, Level Rod .....	1	45	584715	SHAFT, Bucket Pivot .....	1
16	24C-888	BOLT, Locking Pin Mounting .....	1	46	-----	WIRE, Dirt Seal Retainer (11 ga. x 10" Long) .....	2
17	586199	PIN, Connecting Link to Link .....	1	47	585311	SEAL, Dirt .....	2
18	586452	PIN, Pin Locking .....	1	48	585644	BUSHING, Link Assy .....	1
19	-----	WIRE, Dirt Seal Retainer (11 ga. x 10" Long) .....	2	49	586199	PIN, Connecting Link to Link .....	1
20	585311	SEAL, Dirt .....	2	50	18D-08	NUT, Locking Pin Mounting Bolt .....	1
21	585644	BUSHING, Link Assy .....	1	51	586452	PIN, Pin Locking .....	1
22	584715	SHAFT, Bucket Pivot .....	1	52	586215	LINK ASSY (Inc. 21, 48) .....	1
23	584206	SPACER, Link Assy .....	1	53	12H-15	FITTING, Connecting Link Grease — Top .....	1
24	10H-25	FITTING, Link Assy Grease .....	1	54	18D-08	NUT, Rod to Connecting Link Bolt .....	1
25	24C-656	BOLT, Bucket Pivot Shaft .....	1	55	10H-25	FITTING, Connecting Link Grease — Bottom .....	1
26	18D-06	NUT, Bucket Pivot Shaft Bolt .....	1	56	586216	LINK, Connecting .....	1
27	586159	BUCKET ASSY — (Inc. 41, 41A, 42) ....	1	57	10H-35	FITTING, Level Rod Pivot Grease .....	1
28	586421	ROD ASSY, Pointer (Inc. 29, 30) .....	1	58	584208	ROD, Level .....	1
29	8D-08	NUT, Ball Joint Jam .....	1	58A	10H-35	† FITTING, Level Rod Grease .....	1
30	1305485	BALL JOINT, Pointer Rod Assy .....	1				
31	24C-844	BOLT, Pointer Arm to Bucket .....	1				

†Not Illustrated

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

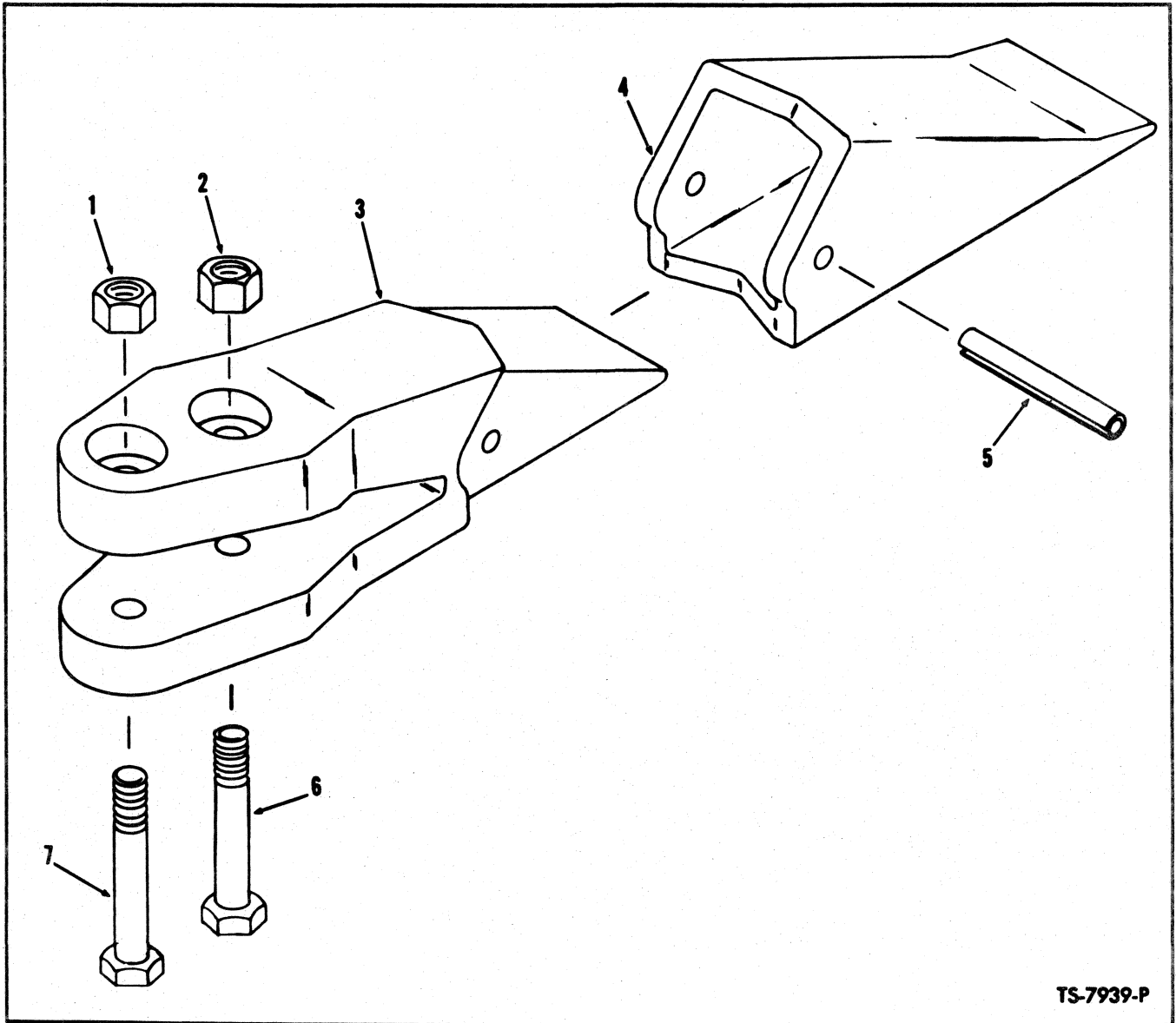


**DROTT (4 in 1) BUCKET ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1526871	BUCKET ASSY (Inc. 1 thru 33A & all items listed on pages 3, 4, 5, 6)	1	17	1534600	PIN, Clevis	2
1	1F-516	COTTER, Indicator Rod	1	18	1F-416	COTTER	2
2	1533632	ROD, Indicator	1	19	1533356	BUSHING, Bucket Front	2
3	8D-08	NUT, Indicator Rod Jam	1	20	1533633	PIN, Bucket Front to Bucket Back	2
4	1533634	BALL JOINT, Indicator Rod	1	21	10H-25	FITTING, Grease	2
5	15C-820	BOLT, Pointer Bar Attaching	1	22	1F-416	COTTER	2
6	25E-20	WASHER, Pointer Bar Attaching	1	23	1534600	PIN, Clevis	2
7	1533631	POINTER BAR	1	24	1533621	CUTTING EDGE, Side — R.H.	1
8	67D-08	NUT, Indicator Rod	1	24A	1533622	CUTTING EDGE, Side — L.H.	1
9	25E-20	WASHER, Pointer Bar Attaching	1	25	1533638	CUTTING EDGE — Front, Bucket Front	1
10	1533643	DECAL, Tilt	1	26	1533628	WEAR PLATE — Rear, Bucket Front	1
11	17D-6	NUT, Pointer Bar Attaching	1	27	1534601	PIN, Clevis	2
12	1533649	BUCKET BACK ASSY (Inc. 31, 32, 33, 33A)	1	28	1F-412	COTTER	2
13	1533356	BUSHING, Bucket Front	2	29	10H-25	FITTING, Grease	2
14	1533356	BUSHING, Bucket Front	2	30	1533636	PIN, Cylinder to Bucket Back	2
15	1533648	BUCKET FRONT ASSY (Inc. 13, 14, 15A, 15B, 19, 24, 24A, 25, 26)	1	31	1533637	CUTTING EDGE, Bucket Back	1
15A	1533646	†HINGE EAR — R.H.	1	32	1D-12	NUT, Plow Bolt	14
15B	1533647	†HINGE EAR — L.H.	1	33	513603	BOLT, Plow (Inc. 32)	12
16	1533624	PIN, Cylinder to Bucket Front	2	33A	552368	†BOLT, Plow (Inc. 32)	2
				34	1533342	†DECAL — Clean	2
				35	1533629	†DECAL — Clam Opening	1

†Not Illustrated

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

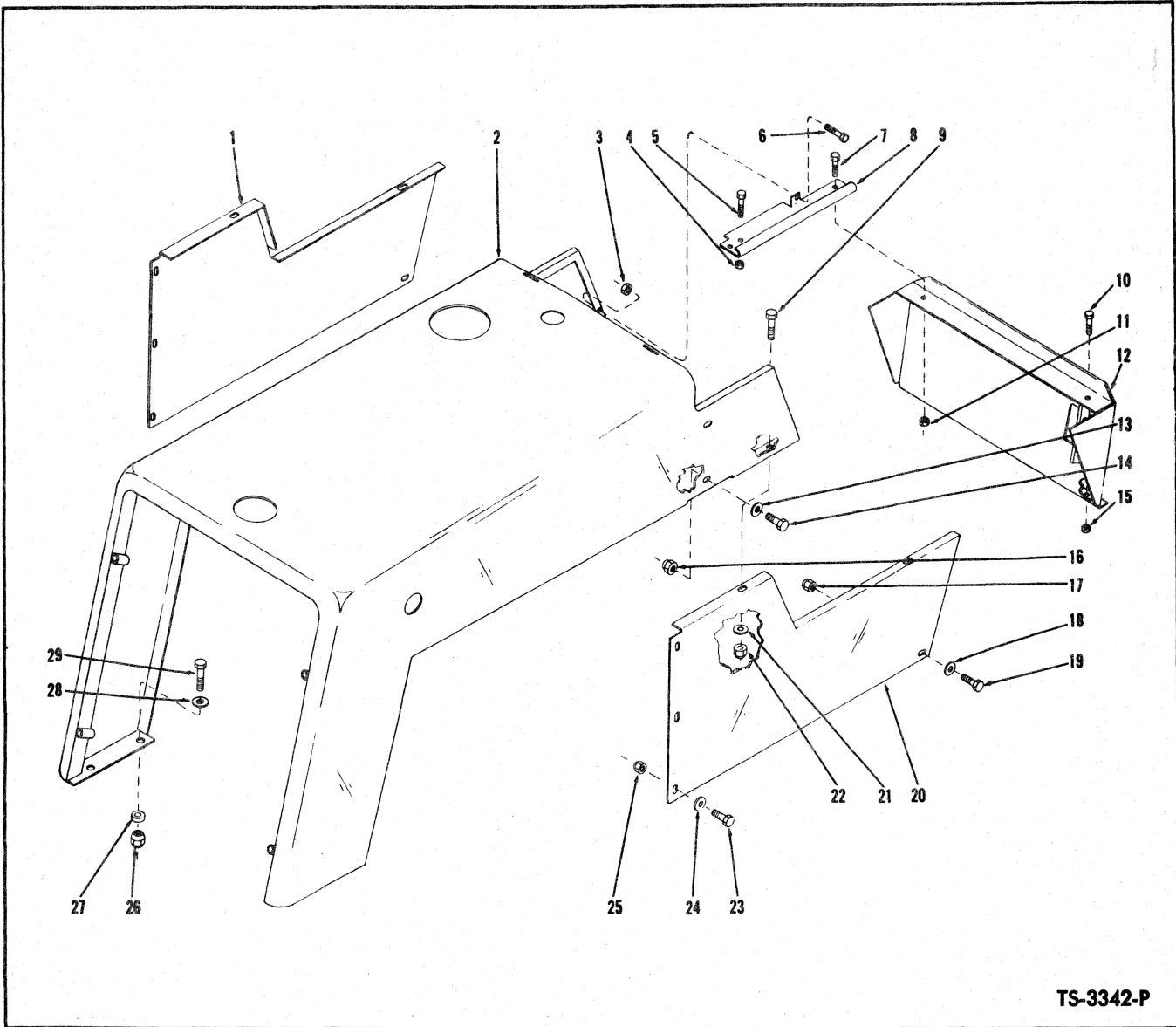


TS-7939-P

**BUCKET TOOTH ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.
A	1538746	BUCKET TOOTH ASSY (Inc. 1 thru 7) .....	7
1	1D-08	NUT, Bolt Attaching .....	7
2	1D-08	NUT, Bolt Attaching .....	7
3	-----	ADAPTER, Tooth — See "A" .....	—
4	1538744	TIP (Tooth Point) .....	7
5	1538742	PIN, Flex .....	7
6	23C-840	BOLT, Tooth Attaching .....	7
7	23C-844	BOLT, Tooth Attaching .....	7

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

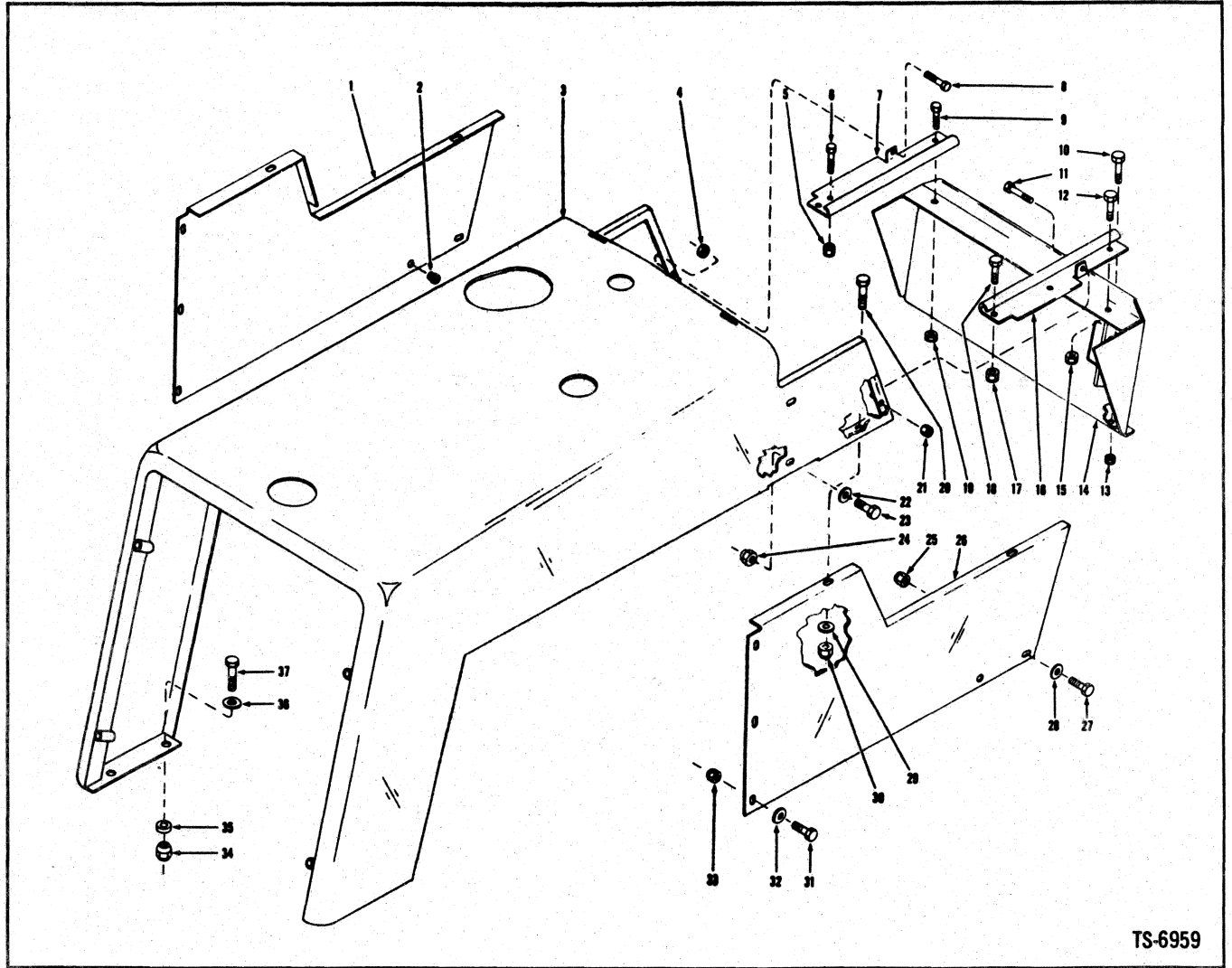


TS-3342-P

**HOOD, SIDE PANELS & SEAT SUPPORT — CONTINENTAL**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585650	PANEL, Side — L.H. ....	1	16	18D-06	NUT, Hood to Reservoir Support .....	4
2	585332	HOOD .....	1	17	18D-06	NUT, Side Panel to Frame .....	2
3	18D-06	NUT, Cover Plate to Hood .....	2	18	619021	WASHER, Side Panel to Frame .....	2
4	18D-06	NUT, Cover Plate to Reservoir Support .....	2	18A	572444	BUMPER, Side Panel to Frame .....	2
5	24C-616	BOLT, Cover Plate to Reservoir Support .....	2	19	24C-616	BOLT, Side Panel to Frame .....	2
6	24C-616	BOLT, Cover Plate to Hood .....	2	20	585334	PANEL, Side — R.H. ....	1
7	24C-616	BOLT, Cover Plate to Seat Support .....	2	21	619021	WASHER, Side Panel to Hood .....	2
8	585770	COVER PLATE — L.H. ....	1	22	18D-06	NUT, Side Panel to Hood .....	2
8A	585769	COVER PLATE — R.H. ....	1	23	24C-616	BOLT, Side Panel to Reservoir Support .....	6
9	24C-616	BOLT, Side Panel to Hood .....	2	24	619021	WASHER, Side Panel to Reservoir Support .....	6
10	24C-616	BOLT, Seat Support to Floorboard .....	3			Support .....	
11	18D-06	NUT, Cover Plate to Seat Support .....	2	25	18D-06	NUT, Side Panel to Reservoir Support .....	6
12	584114	SUPPORT, Seat .....	1	26	70D-08	NUT, Hood to Frame .....	4
13	619021	WASHER, Hood to Reservoir Support .....	4	27	71D-08	BASE, Hood to Frame Nut .....	4
14	24C-616	BOLT, Hood to Reservoir Support .....	4	28	619029	WASHER, Hood to Frame .....	4
15	18D-06	NUT, Seat Support to Floorboard .....	3	29	24C-828	BOLT, Hood to Frame .....	4

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



TS-6959

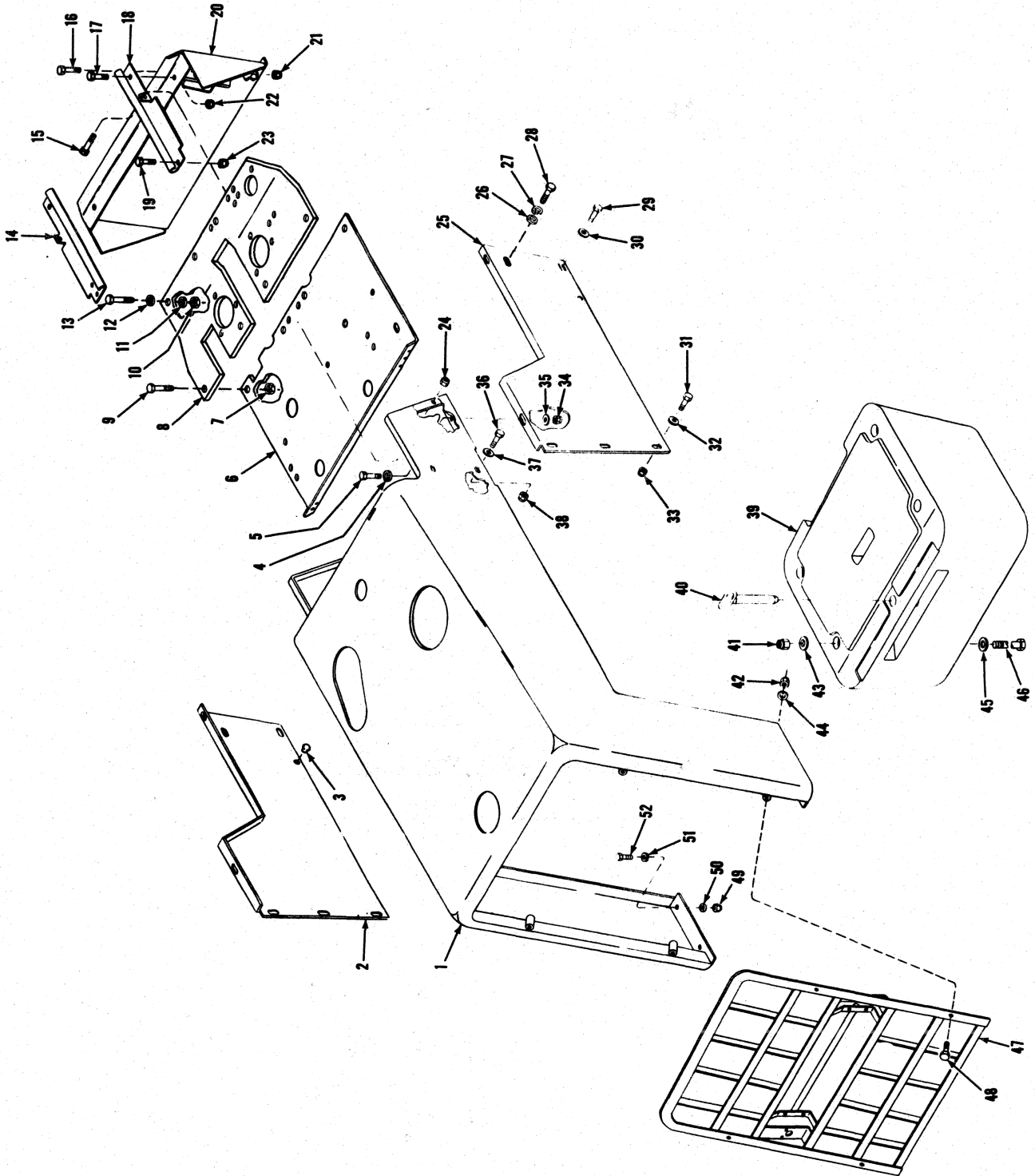
**Hood, Side Panels & Seat Support\***

No.	Part No.	Qty.	Description
1	585650	1	Panel
2	572444	2	Bumper
3	1538453	1	Hood
4	18D-06	1	Nut
5	18D-06	1	Nut
6	24C-616	1	Bolt
7	585770	1	Plate
8	24C-616	1	Bolt
9	24C-616	1	Bolt
10	24C-616	3	Bolt
11	24C-616	1	Bolt
12	24C-616	1	Bolt
13	18D-06	3	Nut
14	584114	1	Support
14A	†1515180	1	Soundproofing
14B	†1515181	1	Soundproofing
15	18D-06	1	Nut
16	567145	1	Plate
17	18D-06	1	Nut
18	24C-616	1	Bolt

No.	Part No.	Qty.	Description
19	18D-06	1	Nut
20	24C-616	2	Bolt
21	18D-06	1	Nut
22	619021	4	Washer
23	24C-616	4	Bolt
24	18D-06	4	Nut
25	18D-06	2	Nut
26	585334	1	Panel
27	24C-616	2	Bolt
28	619021	2	Washer
29	619021	2	Washer
30	18D-06	2	Nut
31	24C-616	6	Bolt
32	619021	6	Washer
33	18D-06	6	Nut
34	70D-08	4	Nut
35	71D-08	4	Base
36	619029	4	Washer
37	24C-828	4	Bolt

\*G.M. C3WG9-10 → C5WG9-999, 7WG101 → 7WG345  
†G.M. 7WG101 & →

TS-13918

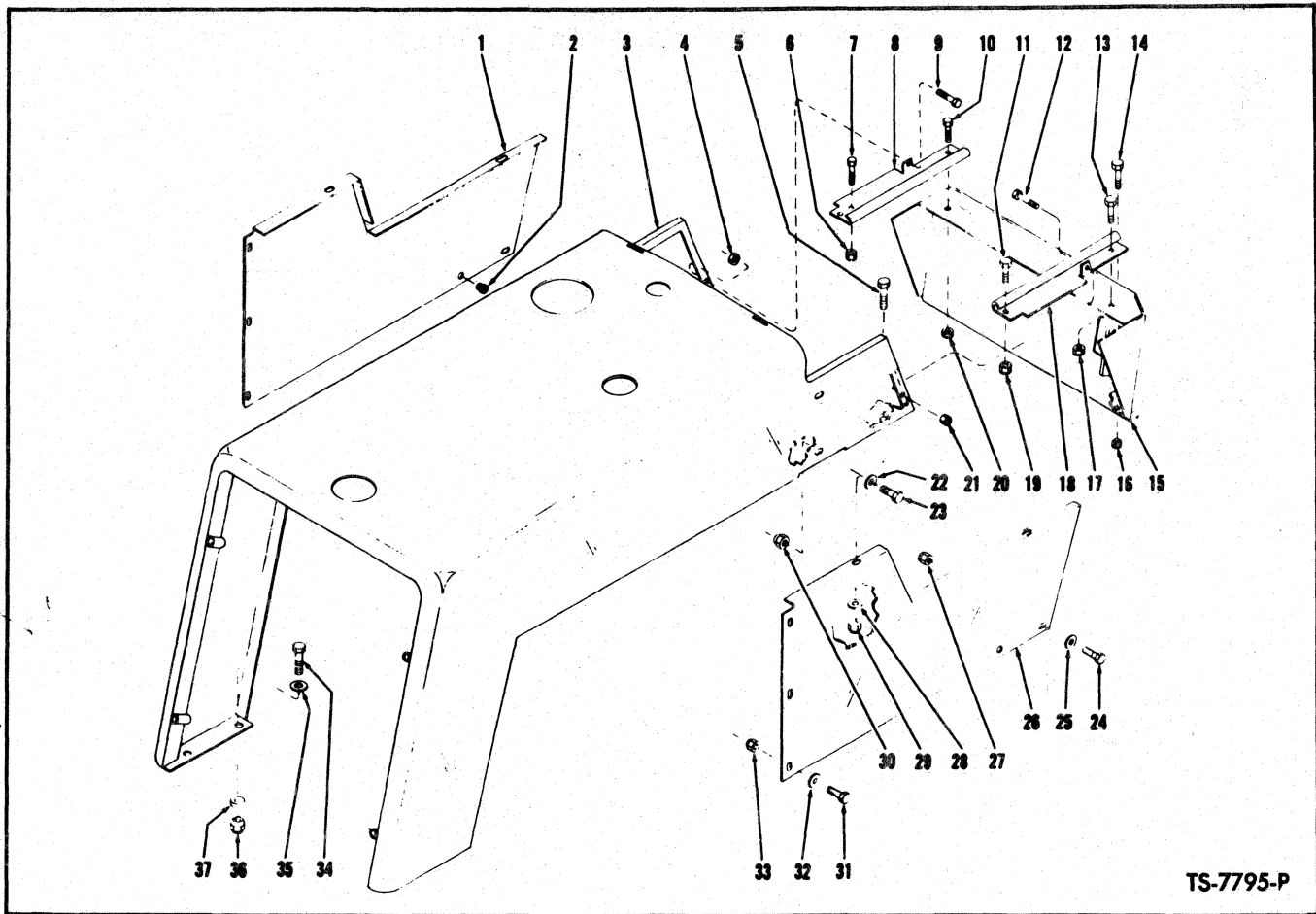




**Sheet Metal Group & Sound Proofing\***

No.	Part No.	Qty.	Description
1	1538453	1	Hood
2	585650	1	Side panel LH
3	572444	2	Bumper
4	799058	4	Washer
5	24C-616	4	Bolt
6	1516006	1	Floorboard R
6A	12505459	1	Soundproofing
7	18D-06	4	Nut
8	1516008	1	Floorboard F
9	24C-620	4	Bolt
10	18D-06	2	Nut
11	619021	2	Washer
12	25E-18	2	Washer
13	24C-620	2	Bolt
14	585770	1	Cover plate LH
15	24C-616	2	Bolt
16	24C-616	3	Bolt
17	24C-616	2	Bolt
18	1516120	1	Cover plate RH
19	24C-616	2	Bolt
20	584114	1	Seat support
20A	1515180	1	Insulation seat support
20B	1515181	1	Insulation panel seat support
21	18D-06	3	Nut
22	18D-06	2	Nut
23	18D-06	2	Nut
24	18D-06	4	Nut
25	585334	1	Side panel RH
26	799058	2	Washer
27	-----	---	Omit
28	24C-616	2	Bolt
29	24C-616	2	Bolt
30	799058	2	Washer
31	24C-616	2	Bolt
32	799058	2	Washer
33	18D-06	6	Nut
34	18D-06	2	Nut
35	799058	2	Washer
36	24C-616	4	Bolt
37	799058	2	Washer
38	18D-06	2	Nut
39	558274	1	Counterweight
40	550586	1	Pin drawbar
41	18D-12	4	Nut
42	18D-06	4	Nut
43	25E-27	4	Washer
44	25E-27	4	Washer
45	652478	4	Washer
46	24C-12240	4	Bolt
47	585503	1	Grille radiator
48	24C-652	4	Bolt
49	70D-08	4	Nut
50	71D-08	4	Base
51	619029	4	Washer
52	24C-828	4	Bolt

\*G.M. 7WG101 & →  
 †G.M. 7WG346 & →

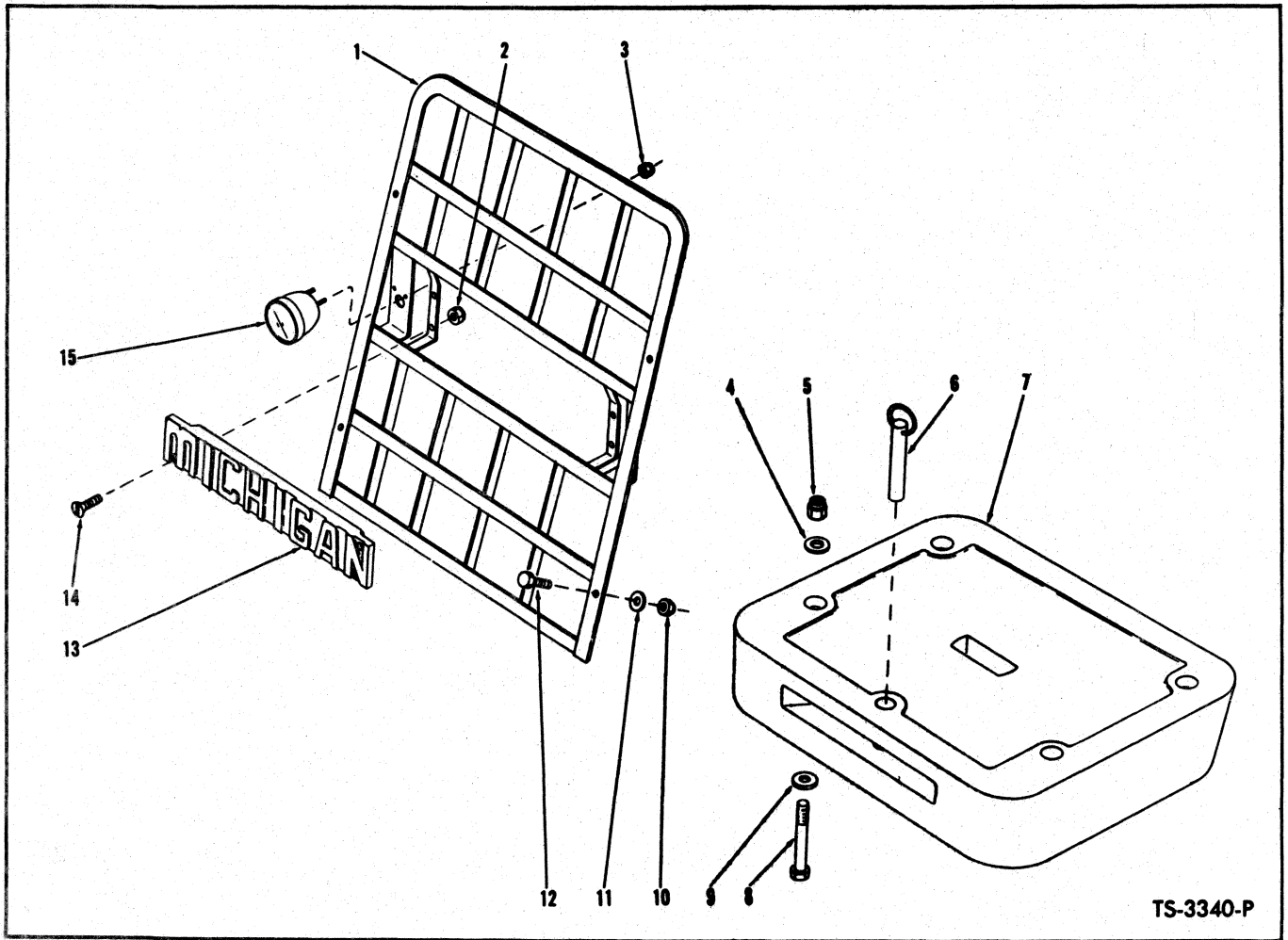


**HOOD, SIDE PANELS & SEAT SUPPORT – WAUKESHA**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585650	PANEL, Side – L.H. ....	1	19	18D-06	NUT, Cover Plate to Reservoir Support Bolt .....	1
2	572444	BUMPER, Side Panel .....	2	20	18D-06	NUT, Cover Plate to Seat Support Bolt .....	1
3	567335	*HOOD .....	1	21	18D-06	NUT, Cover Plate to Hood Bolt .....	1
3A	1506574 †**	HOOD .....	1	22	619021	WASHER, Hood to Reservoir Support Bolt .....	4
4	18D-06	NUT, Cover Plate to Hood Bolt .....	1	23	24C-616	BOLT, Hood to Reservoir Support .....	4
5	24C-616	BOLT, Side Panel to Hood .....	2	24	24C-616	BOLT, Side Panel to Frame .....	2
6	18D-06	NUT, Cover Plate to Reservoir Support Bolt .....	1	25	619021	WASHER, Side Panel to Frame Bolt ....	2
7	24C-616	BOLT, Cover Plate to Reservoir Support .....	1	26	585334	PANEL, Side – R.H. ....	1
8	585770	COVER PLATE – L.H. ....	1	27	18D-06	NUT, Side Panel to Frame Bolt .....	2
9	24C-616	BOLT, Cover Plate to Hood .....	1	28	619021	WASHER, Side Panel to Hood Bolt ....	2
10	24C-616	BOLT, Cover Plate to Seat Support .....	1	29	18D-06	NUT, Side Panel to Hood Bolt .....	2
11	24C-616	BOLT, Cover Plate to Reservoir Support .....	1	30	18D-06	NUT, Hood to Reservoir Support Bolt ..	4
12	24C-616	BOLT, Cover Plate to Hood .....	1	31	24C-616	BOLT, Side Panel to Reservoir Support ..	6
13	24C-616	BOLT, Cover Plate to Seat Support ....	1	32	619021	WASHER, Side Panel to Reservoir Support Bolt .....	6
14	24C-616	BOLT, Seat Support to Floorboard ....	3	33	18D-06	NUT, Side Panel to Reservoir Support Bolt .....	6
15	584114	SUPPORT, Seat .....	1	34	24C-828	BOLT, Hood to Frame .....	4
16	18D-06	NUT, Seat Support to Floorboard Bolt ..	3	35	619029	WASHER, Hood to Frame Bolt .....	4
17	18D-06	NUT, Cover Plate to Seat Support Bolt ..	1	36	70D-08	NUT, Hood to Frame Bolt .....	4
18	585769	COVER PLATE – R.H. ....	1	37	71D-08	BASE, Hood to Frame Nut .....	4

\*C3WA9-10 thru C3WA9-90  
\*\*C3WA9-91 thru C3WA9-999

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

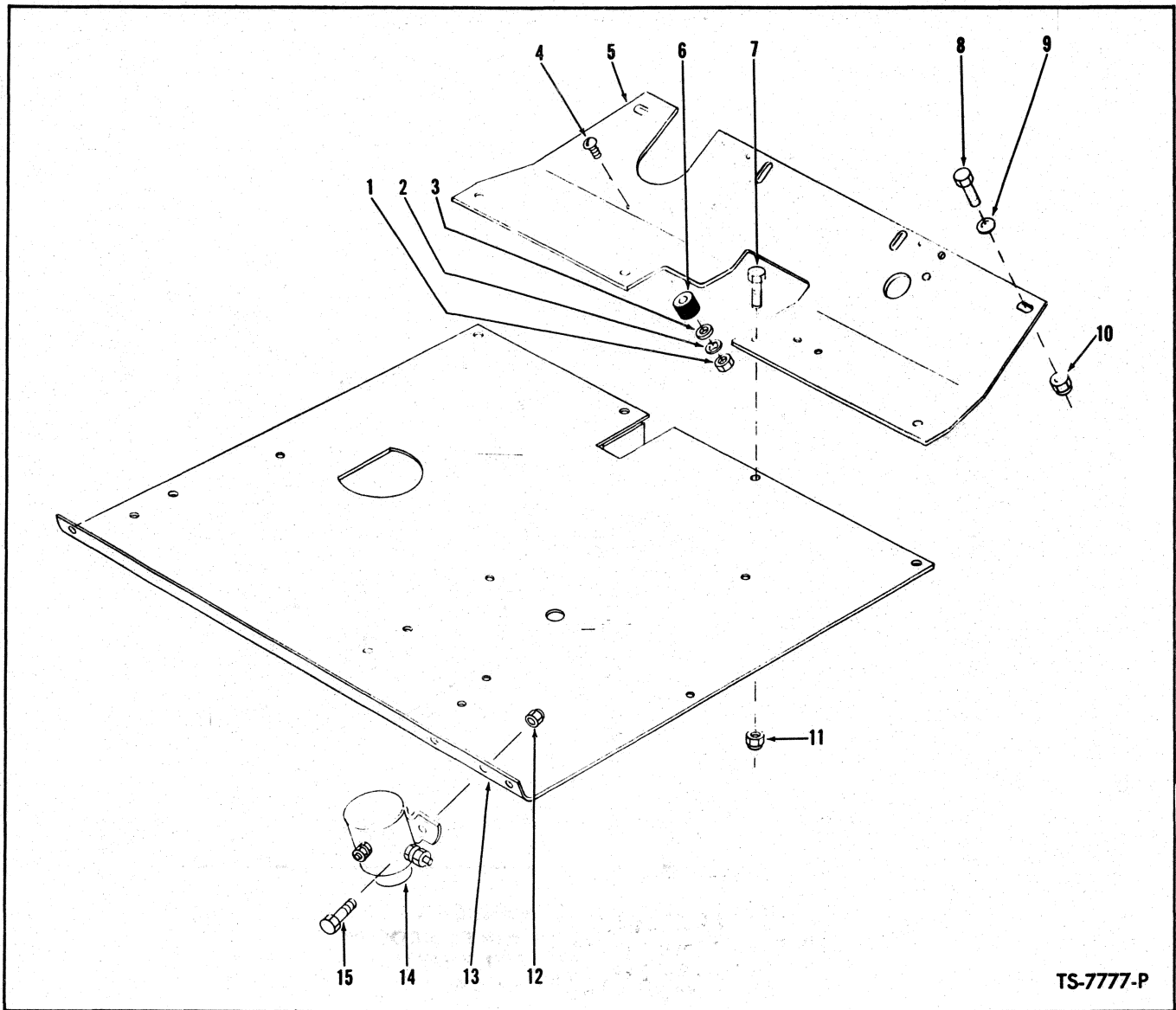


TS-3340-P

**GRILLE & COUNTERWEIGHT**  
For Serial:Cont. - C3WCO9-10 thru C3WCO9-999  
G.M. - C3WG9-10 thru C5WG9-999, 7WG101 & →  
Wauk. - C3WA9-10 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.
1	585503	GRILLE, Rear .....	1
2	66D-04	NUT, Name Plate to Grille .....	4
3	17D-1	NUT, Tail Light to Grille .....	4
4	25E-27	WASHER, Counterweight to Frame .....	4
5	18D-12	NUT, Counterweight to Frame .....	4
6	550586	PIN, Drawbar .....	1
7	584726	COUNTERWEIGHT .....	1
8	24C-12160	BOLT, Counterweight to Frame .....	4
9	25E-27	WASHER, Counterweight to Frame .....	4
10	18D-06	NUT, Rear Grille to Rear Hood .....	4
11	619021	WASHER, Rear Grille to Rear Hood .....	4
12	24C-648	BOLT, Rear Grille to Rear Hood .....	4
13	535649	NAME PLATE .....	1
14	7G-424	SCREW, Name Plate to Grille .....	4
15	5203855	TAIL LIGHT ASSY .....	2

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

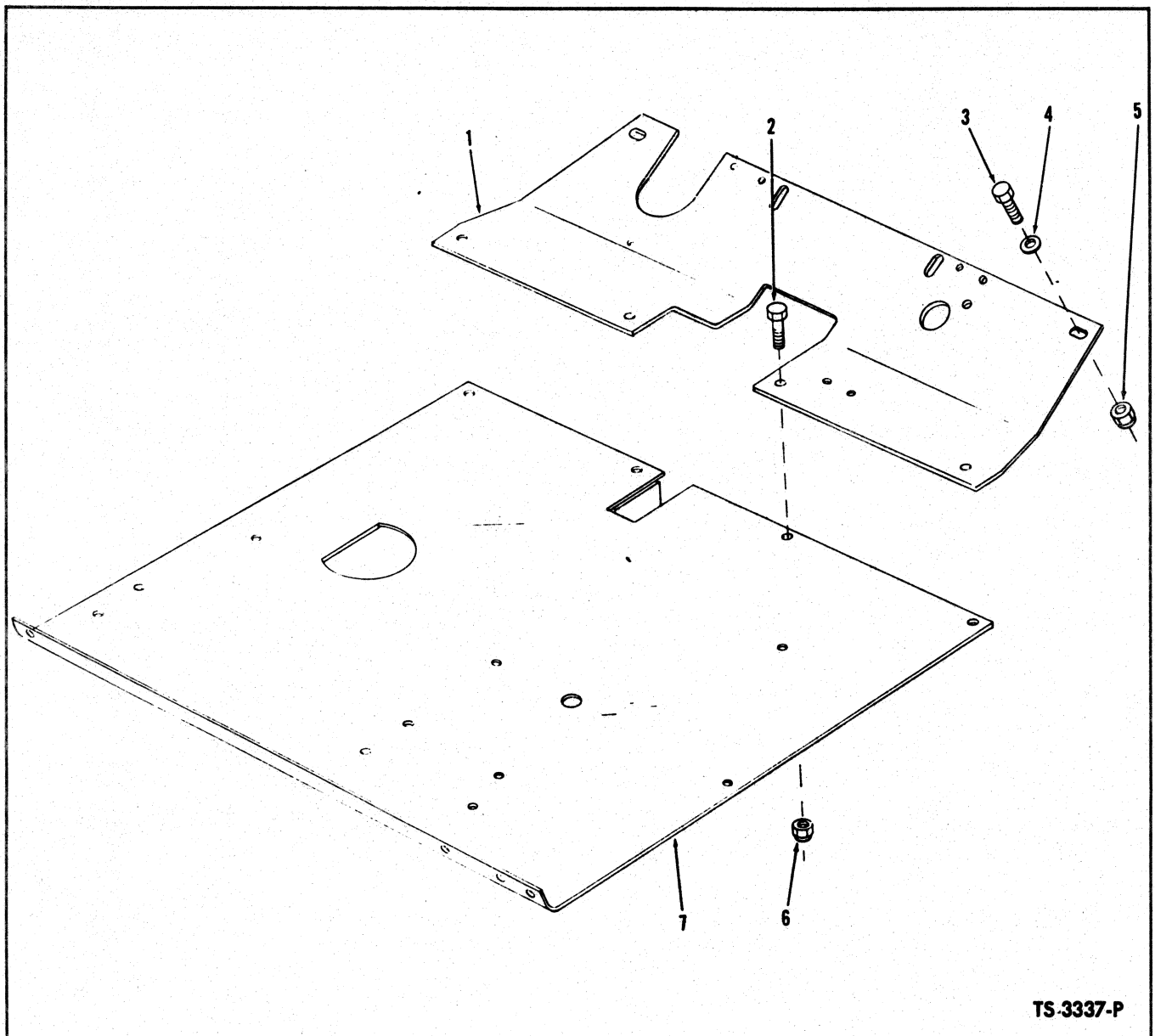


TS-7777-P

**FLOORBOARDS AND STARTER SOLENOID – WAUKESHA GAS**

Item No.	Part No.	Description	No. Req'd.
1	14D-10	NUT, Bumper to Floorboard .....	1
2	13E-10	LKWSHR, Bumper to Floorboard .....	1
3	616775	WASHER, Bumper to Floorboard .....	1
4	86G-1010	SCREW, Bumper to Floorboard .....	1
5	586458	FLOORBOARD, Front .....	1
6	302568	BUMPER, Brake Pedal .....	1
7	24C-620	BOLT, Floorboard to Floorboard .....	4
8	24C-620	BOLT, Front Floorboard to Frame .....	2
9	619021	WASHER, Front Floorboard to Frame .....	2
10	18D-06	NUT, Front Floorboard to Frame .....	2
11	18D-06	NUT, Floorboard to Floorboard .....	4
12	18D-04	NUT, Solenoid to Floorboard .....	2
13	585603	FLOORBOARD, Rear .....	1
14	551530	SOLENOID, Starter .....	1
15	24C-412	BOLT, Solenoid to Floorboard .....	2

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

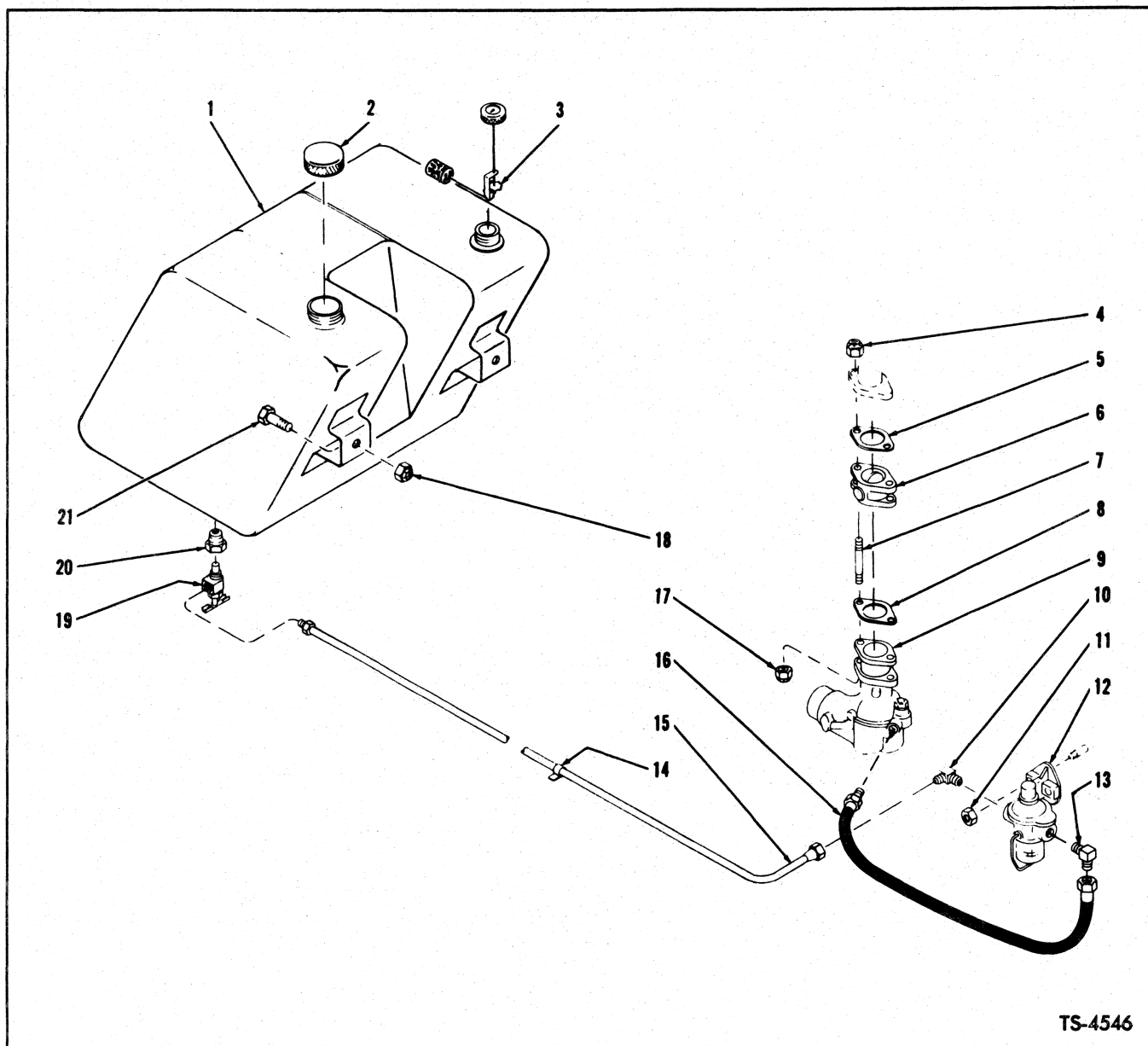


**FLOORBOARDS**

**G.M. 3WG9-10 thru C5WG9-999, 7WG101 thru 7WG345  
S/N CONTINENTAL C3WCO9-10 thru C3WCO9-999**

Item No.	Part No.	Description	No. Req'd.
1	586458	FLOORBOARD, Front .....	1
2	24C-620	BOLT, Floorboard to Floorboard .....	4
3	24C-620	BOLT, Front Floorboard to Frame .....	2
4	619021	WASHER, Front Floorboard to Frame .....	2
5	18D-06	NUT, Front Floorboard to Frame .....	2
6	18D-06	NUT, Floorboard to Floorboard .....	4
7	585603	FLOORBOARD, Rear .....	1
7A	2505459	†Soundproofing .....	1

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

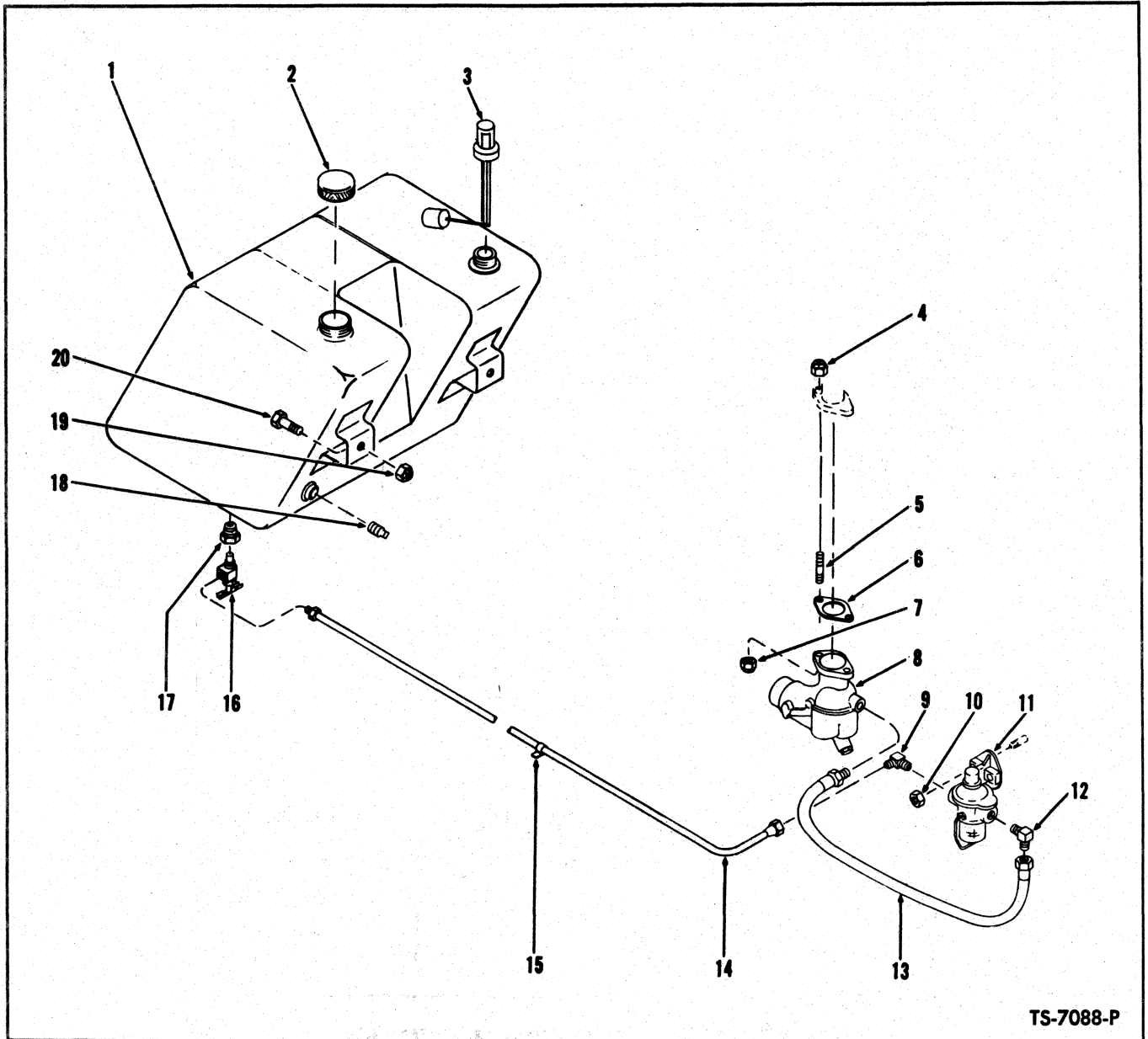


**FUEL TANK, LINES & CARBURETOR – CONTINENTAL**  
For Serial: C3WCO9-10 thru C3WCO9-75

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585116	TANK, Fuel	1	11	18D-05	NUT, Fuel Pump to Engine	2
1A	13F-04	†PLUG, Tank	1	12	877647	PUMP ASSY, Fuel (Inc. 12A)	1
2	539837	CAP, Fuel Tank	1	12A	899584	†GASKET, Fuel Pump Mounting	1
3	946445	GAUGE ASSY, Fuel	1	13	42F-3	ELBOW, Fuel Hose to Fuel Pump	1
3A	945990	†RETAINER	1	14	537755	CLIP, Fuel Line	1
4	7D-06	NUT	2	15	585664	LINE, Fuel Tank to Fuel Pump	1
5	648872	GASKET	1	16	527833	HOSE, Fuel Pump to Carburetor	1
6	529686	THROTTLE BOX	1	17	7D-06	NUT, Carburetor to Manifold	2
7	586451	STUD, Carburetor to Manifold	2	18	18D-08	NUT, Fuel Tank to Frame	2
8	648872	GASKET, Carburetor to Manifold	1	19	74F-2	VALVE, Fuel Line Shut-Off	1
9	1301288	CARBURETOR	1	20	19F-2	BUSHING, Reducing	1
10	42F-4	ELBOW, Fuel Line to Fuel Pump	1	21	24C-824	BOLT, Fuel Tank to Frame	2

†Not Illustrated

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



TS-7088-P

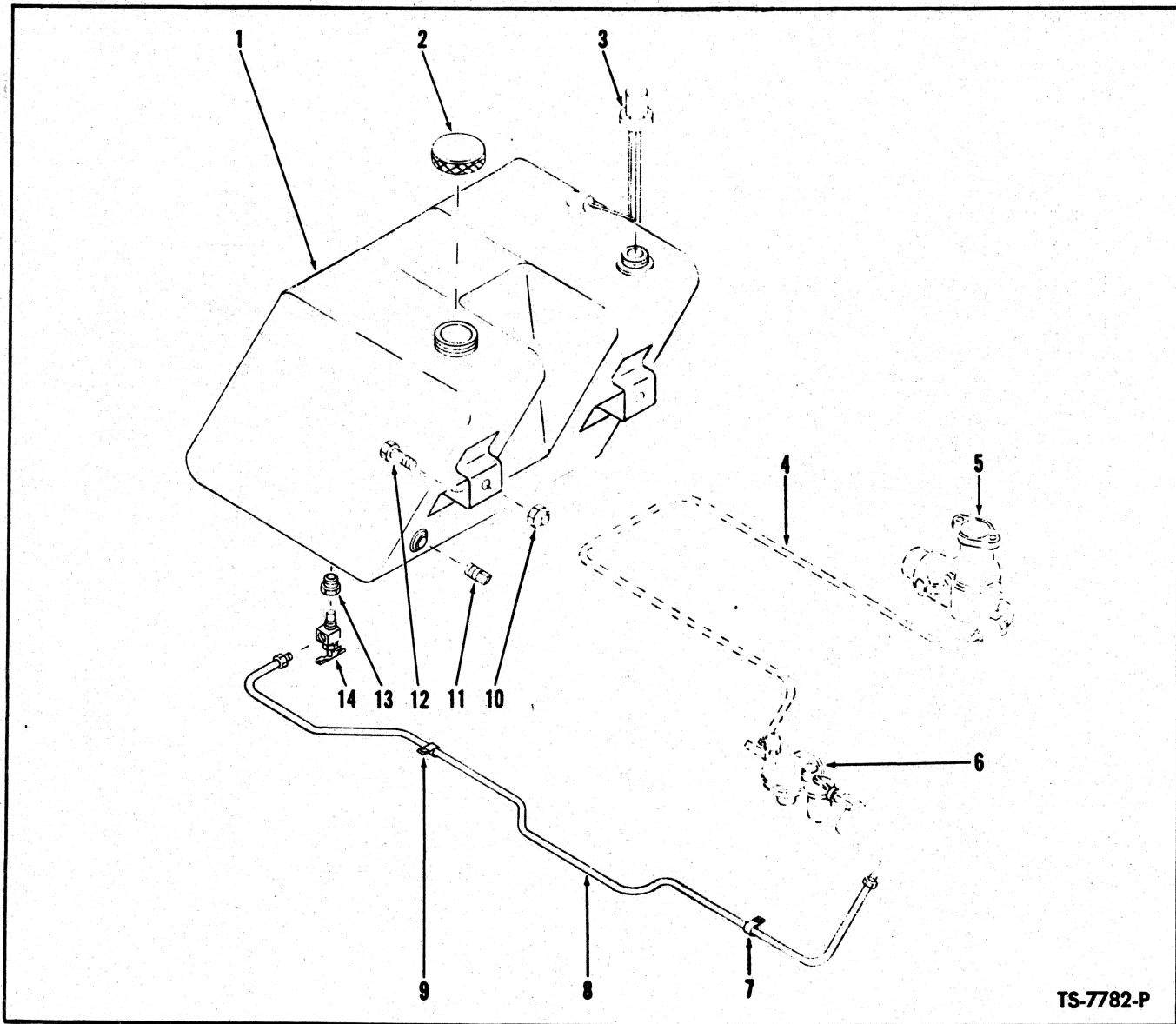
**FUEL TANK, LINES & CARBURETOR — CONTINENTAL**

For Serial: C3WCO9-76 thru C3WCO9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585116	TANK, Fuel (Inc. 3)	1	11	877647	PUMP ASSY, Fuel (Inc. 11A)	1
2	539837	CAP, Fuel Tank	1	11A	899584	†GASKET, Fuel Pump	1
3	946445	GAUGE ASSY, Fuel	1	12	42F-3	ELBOW, Fuel Pump to Hose	1
3A	945990	†RETAINER	1	13	527833	HOSE, Fuel Pump to Carburetor	1
4	7D-06	NUT	2	14	585664	LINE, Fuel Tank to Fuel Pump	1
5	616712	STUD, Carburetor to Manifold	2	15	537755	CLIP, Fuel Line	1
6	648872	GASKET, Carburetor to Manifold	1	16	74F-2	VALVE, Fuel Line Shut-off	1
7	7D-06	NUT, Carburetor to Manifold	2	17	19F-2	BUSHING, Valve to Fuel Tank	1
8	990915	CARBURETOR	1	18	13F-04	PLUG, Fuel Tank	1
9	42F-4	ELBOW, Fuel Line to Fuel Pump	1	19	18D-08	NUT, Tank to Frame	2
10	18D-05	NUT, Fuel Pump to Engine	2	20	24C-824	BOLT, Tank to Frame	2

†Not Illustrated

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



TS-7782-P

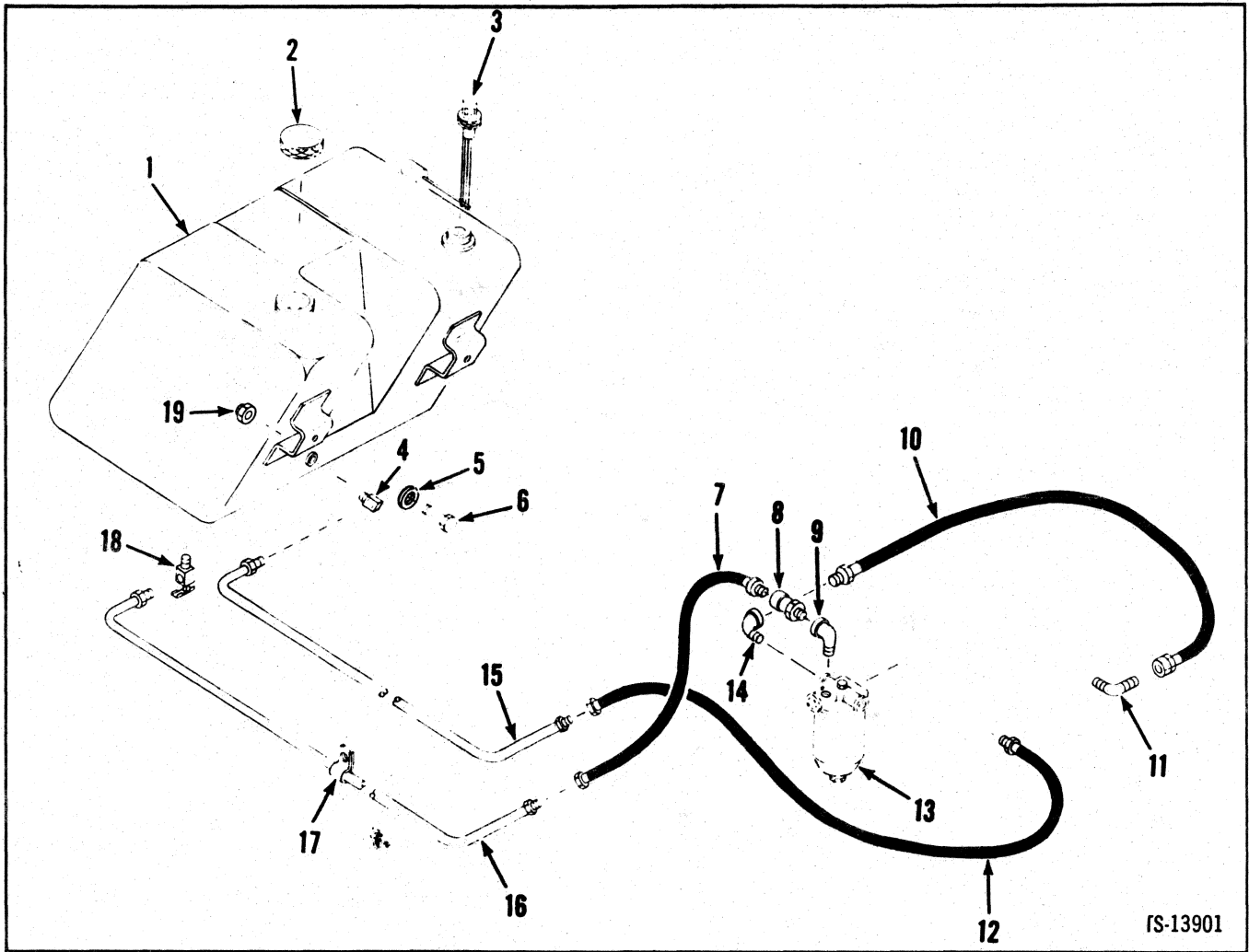
**FUEL TANK & LINES – WAUKESHA**

Item No.	Part No.	Description	No. Req'd.
1	585116	TANK, Fuel (Inc. 3)	1
2	539837	CAP, Fuel Tank	1
3	946445	GAUGE KIT ASSY, Fuel (Inc. Flange)	1
3A	945990	†RETAINER	1
4	---	LINE, Fuel Pump to Carburetor (Furnished with Engine)	—
5	---	CARBURETOR (Furnished with Engine)	—
6	---	FUEL PUMP (Furnished with Engine)	—
7	537755	CLIP, Fuel Line to Frame	1
8	567576	LINE, Fuel Tank to Fuel Pump	1
9	537755	CLIP, Fuel Line to Frame	1
10	18D-08	NUT, Tank to Frame	2
11	13F-04	PLUG, Fuel Tank	1
12	24C-824	BOLT, Tank to Frame	2
13	19F-2	BUSHING, Reducing	1
14	74F-2	VALVE, Fuel Line Shut Off	1

†Not Illustrated

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





**Fuel Tank & Lines – G.M.**

No.	Part No.	Qty.	Description
1	<sup>1,2</sup> 586413	1	Tank assy
1A	<sup>1,3</sup> 4585116	1	Tank assy
2	539837	1	Cap
3	946445	1	Gauge assy
3A	†945990	1	Retainer
4	62F-5	1	Elbow
5	425E-21	2	Washer
6	<sup>2,3</sup> 24C-824	2	Bolt
6A	†24C-828	2	Bolt
7	512133	1	Hose
8	2531792	1	Valve check
9	26F-2	1	Elbow
9A	†19F-3	1	Bushing
10	573508	1	Hose
11	42F-6	1	Elbow
12	1502940	1	Hose
13	<sup>5</sup> _____	—	Filter
14	26F-2	1	Elbow

No.	Part No.	Qty.	Description
14A	†19F-3	1	Bushing
15	2900575	1	Tube
15A	† <sup>3,4</sup> 567121	1	Tube
15B	†1510571	1	Tube
16	2900550	1	Tube
16A	† <sup>3,4</sup> 567120	1	Tube
17	2537755	1	Clip
17A	† <sup>3</sup> 31H-19	2	Clip
17B	†30H-32	1	Clip
17C	†538235	1	Clip
17D	† <sup>3,4</sup> 24C-616	2	Bolt
17E	† <sup>3,4</sup> 18D-06	2	Nut
18	269F-5	1	Valve
18A	<sup>3,4</sup> 553971	1	Valve
18B	†1510577	1	Valve
18C	†19F-3	1	Bushing
19	18D-08	2	Nut

<sup>1</sup>Incl. 3

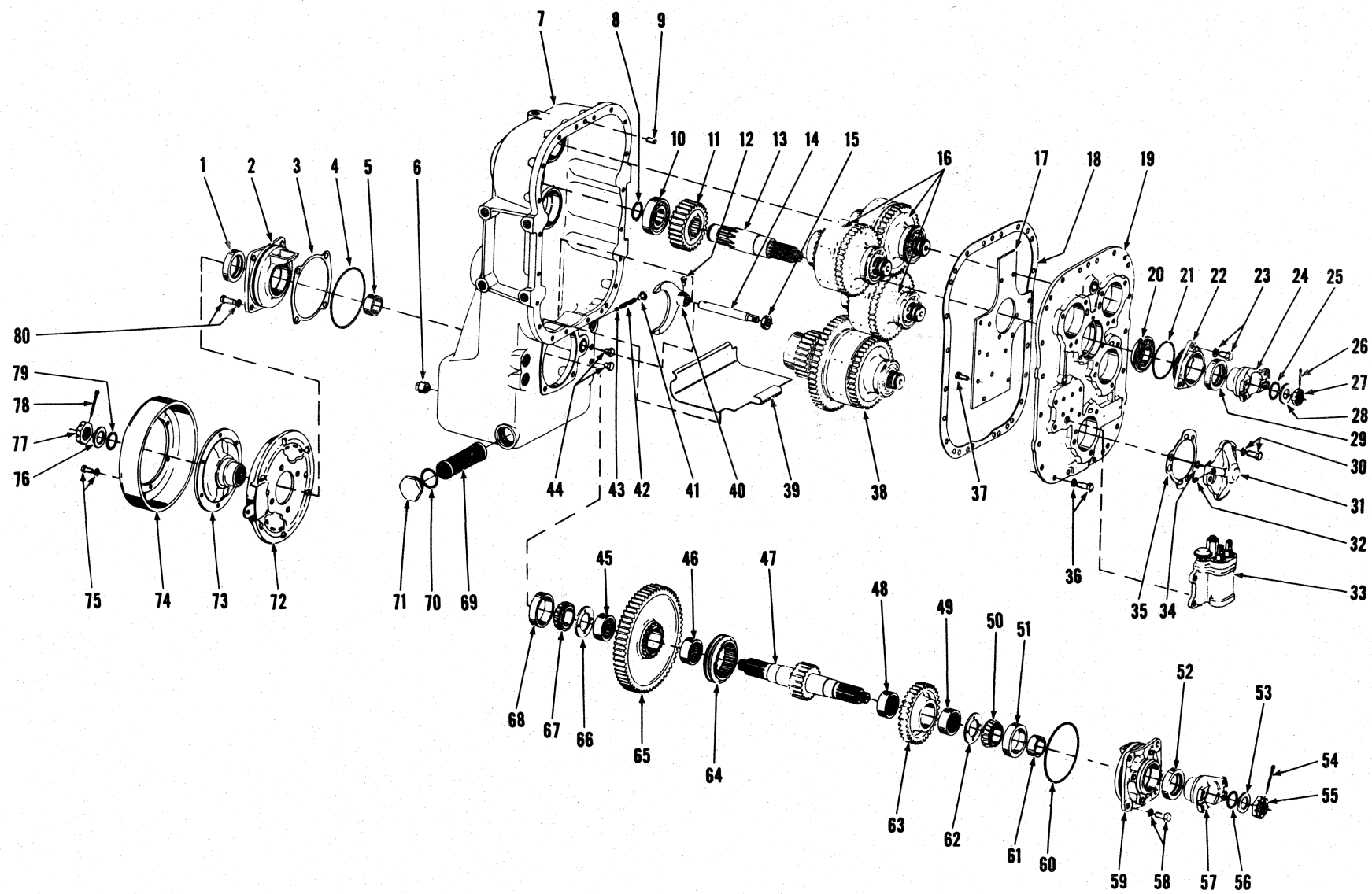
<sup>2</sup>G.M. C3WG9-10 → C3WG9-999

<sup>3</sup>G.M. C5WG9-10 → C5WG9-999

<sup>4</sup>G.M. 7WG101 & →

<sup>5</sup>See G.M. Engine Manual

<sup>6</sup>For replacement use 1510577 plus 1 – 19F-3 Bushing.



TRANSMISSION ASSEMBLY

TS-3902

[ 44 ]

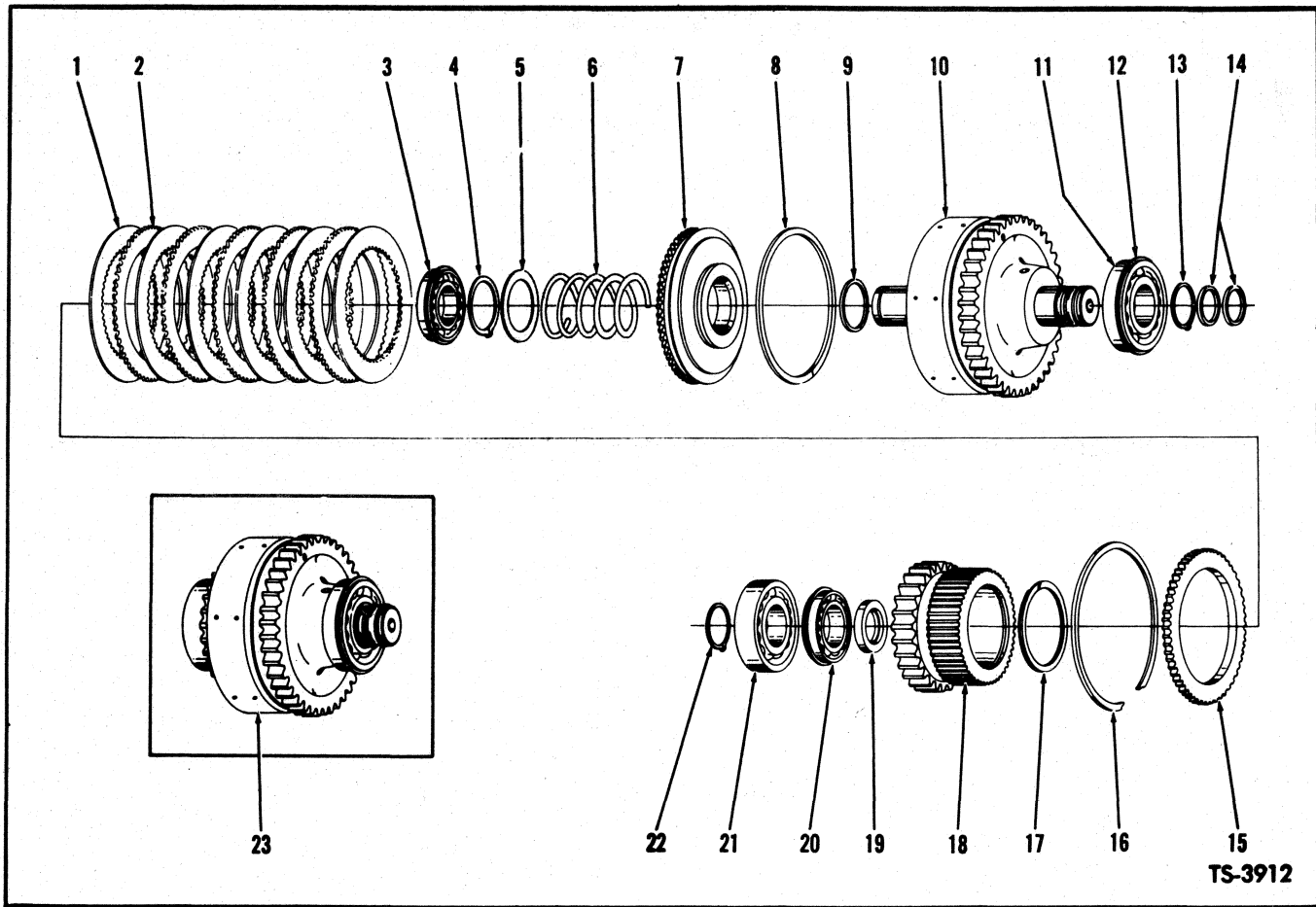
(1H9)

**TRANSMISSION ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281840	TRANSMISSION ASSY — (2420-8) (Inc. 1 thru 80)	1	37	233128	BOLT, Plate to Cover	15
1	206864	SEAL, Bearing Cap Oil	1	38	————	CLUTCH GROUP, High — See Index	1
2	215155	CAP, Output Shaft Bearing	1	39	228943	PLATE, Baffle	1
3	215156	‡SHIM, Bearing Cap — .004"	—	40	215146	FORK, Range Shift	1
3A	215157	‡SHIM, Bearing Cap — .007"	—	41	40K-04	PLUG, Range Shift Rail Detent	1
3B	215158	‡SHIM, Bearing Cap — .010"	—	42	215191	SPRING, Range Shift Rail Detent	1
4	25K-40524	"O" RING, Bearing Cap	1	43	10J-12	BALL, Range Shift Rail Detent	1
5	215162	SPACER, Brake Flange	1	44	40K-02	PLUG, Oil Level	2
6	215757	PLUG, Drain — Magnetic	1	45	225079	BEARING, Low Gear	1
7	801363	CASE KIT, Transmission (Inc. 7A, 7B, 7C)	1	46	225079	BEARING, Low Gear	1
7A	206864	†SEAL, Transmission Case Oil	1	47	215551	SHAFT, Output	1
7B	218353	†BORE PLUG, Transmission Case	1	48	225079	BEARING, High Gear	1
7C	14F-16	†PLUG, Pipe	3	49	225079	BEARING, High Gear	1
8	659065	RING, Bearing Retaining	1	50	675548	CONE, Output Shaft Bearing	1
9	214295	PIN, Cover to Case Dowel	2	51	675544	CUP, Output Shaft Bearing	1
10	225603	BEARING, Input Shaft	1	52	206864	SEAL, Bearing Cap Oil	1
11	215166	GEAR, Input Shaft (26T)	1	53	102745	WASHER, Flange Nut	1
12	201566	SCREW, Shift Fork Lock	1	54	1F-428	COTTER, Flange Nut	1
13	215165	SHAFT, Input	1	55	201951	NUT, Output Flange	1
14	215145	RAIL, Range Shift	1	56	25K-40112	O-RING, Output Flange	1
15	234653	SEAL, Range Shift Rail Oil	1	57	214987	FLANGE, Output	1
16	————	CLUTCH GROUP — Forward, Reverse & Low — See Index	3	58	1C-820	BOLT, Bearing Cap	4
17	215143	PLATE, Oil Circuit	1	58A	5E-08	LKWSHR, Bearing Cap	4
18	215144	GASKET, Cover to Case	1	59	215155	CAP, Output Shaft Bearing	1
19	215141	COVER ASSY, Trans. (Inc. 17, 37)	1	60	25K-40524	O-RING, Bearing Cap	1
20	225824	BEARING, Input Shaft Locating	1	61	215162	SPACER, Output Flange	1
21	25K-40316	O-RING, Bearing Cap	1	62	215154	WASHER, Output Shaft Thrust	1
22	215198	CAP ASSY, Input Shaft Brg. (Inc. 29)	1	63	228069	GEAR ASSY, High (Inc. 48, 49) (34T)	1
23	1C-718	BOLT, Bearing Cap	3	64	215149	HUB, Output Shaft Shift	1
23A	4E-07	†LKWSHR, Bearing Cap	3	65	228068	GEAR ASSY, Low (Inc. 45, 46) (61T)	1
24	214940	FLANGE, Input Shaft	1	66	215154	WASHER, Output Shaft Thrust	1
25	25K-40112	O-RING, Input Flange	1	67	675548	CONE, Output Shaft Bearing	1
26	1F-428	COTTER, Input Flange Nut	1	68	675544	CUP, Output Shaft Bearing	1
27	201951	NUT, Input Flange	1	69	215205	SCREEN, Suction	1
28	102745	WASHER, Input Flange Nut	1	70	219373	GASKET, Suction Screen Plug	1
29	206864	SEAL, Input Shaft Oil	1	71	219370	PLUG, Suction Screen	1
30	1C-718	BOLT, Bearing Cap	12	72	————	BRAKE ASSY, Parking — See Index	1
30A	4E-07	†LKWSHR, Bearing Cap	12	73	215161	FLANGE, Brake	1
31	215163	CAP, Distributor Bearing	4	74	215160	DRUM, Brake	1
32	16F-02	PLUG, Bearing Cap	4	75	2C-612	BOLT, Drum to Flange	6
33	————	CONTROL VALVE — See Index	1	75A	4E-06	LKWSHR, Drum to Flange	6
34	25K-30016	O-RING, Bearing Cap	4	76	102745	WASHER, Flange Nut	1
35	215164	GASKET, Bearing Cap	4	77	201951	NUT, Brake Flange	1
36	1C-718	BOLT, Cover to Case	20	78	1F-428	COTTER, Flange Nut	1
36A	4E-07	LKWSHR, Cover to Case	20	79	25K-40112	O-RING, Brake Flange	1
				80	1C-820	BOLT, Bearing Cap	4
				80A	5E-08	LKWSHR, Bearing Cap	4

‡As Required  
†Not Illustrated

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



**CLUTCH GROUP – FORWARD, REVERSE AND LOW**

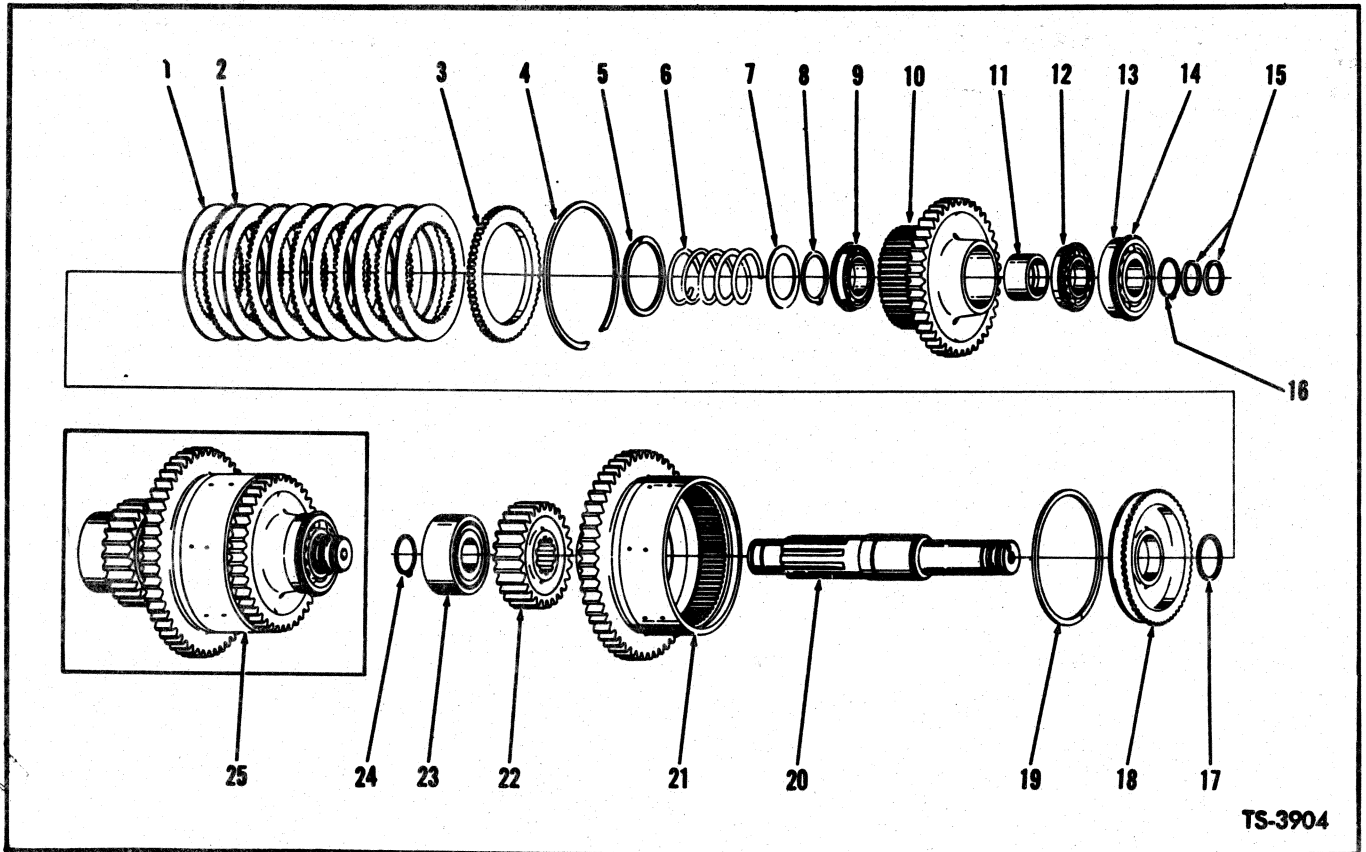
(This Group used 3 times in Transmission – Quantities listed below are for 1 Clutch Group)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	215178	DISC, Clutch Inner .....	6	11	225602	BEARING, Clutch Shaft (Inc. 12) .....	1
2	224772	DISC, Clutch Outer .....	5	12	945374	RING, Bearing Retaining .....	1
3	225076	BEARING, Clutch Disc Hub .....	1	13	659065	RING, Clutch Shaft Bearing Retaining .....	1
4	654613	RING, Return Spring Retaining .....	1	14	215183	RING, Clutch Shaft Sealing .....	2
5	616848	WASHER, Return Spring Retaining ....	1	15	224774	PLATE, Clutch Disc End .....	1
6	215179	SPRING, Clutch Piston Return .....	1	16	215190	RING, End Plate Retaining .....	1
7	215177	PISTON, Clutch .....	1	17	225077	RING, Clutch Disc Hub Oil Baffle ....	1
8	224771	RING, Piston Outer Sealing .....	1	18	215180	GEAR & HUB ASSY (28T) .....	1
9	223085	RING, Piston Inner Sealing .....	1	19	215182	SPACER, Clutch Disc Hub Bearing ....	1
10	215663	DRUM ASSY, Clutch (Inc. 10A, 10B) (40T) .....	1	20	225076	BEARING, Clutch Disc Hub .....	1
10A	215176	†SEAT, Bleed Valve Ball .....	1	21	225603	BEARING, Clutch Shaft .....	1
10B	10J-06	†BALL, Bleed Valve .....	1	22	659065	RING, Clutch Shaft Bearing Retaining .....	1
				23	—	‡CLUTCH ASSY .....	1

†Not Illustrated

‡Not sold as an Assembly – Order individual parts

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



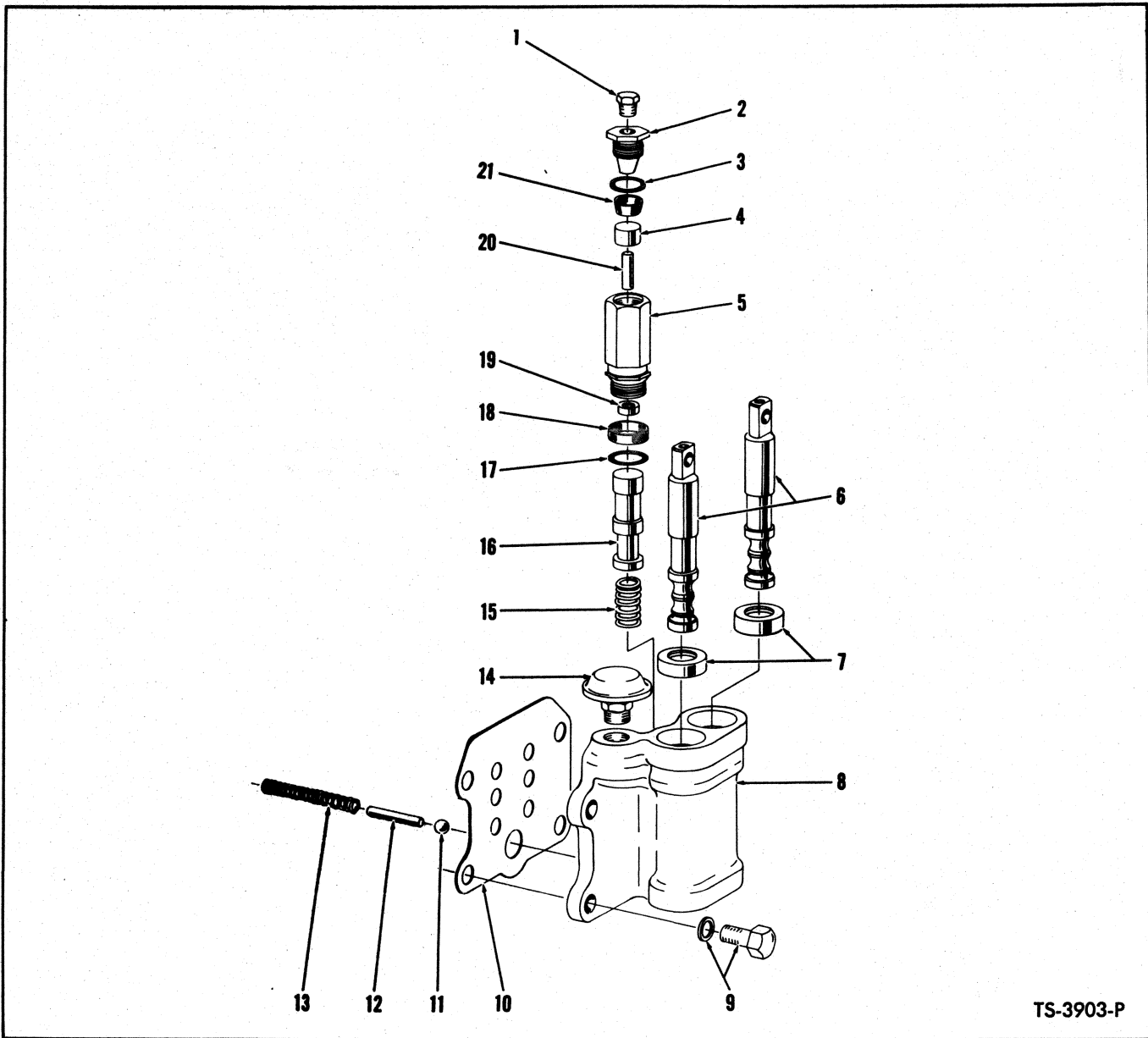
**CLUTCH GROUP — HIGH**

Item No.	Part No.	Description	No. Req'd.
1	215178	DISC, Clutch Inner	6
2	224772	DISC, Clutch Outer	5
3	224774	PLATE, Clutch Disc End	1
4	215190	RING, End Plate Retaining	1
5	225077	RING, Disc Hub Oil Baffle	1
6	215179	SPRING, Piston Return	1
7	616848	WASHER, Return Spring Retaining	1
8	654613	RING, Return Spring Retaining	1
9	225076	BEARING, Clutch Disc Hub	1
10	215188	HUB & GEAR, Clutch Disc (40T)	1
11	215189	SPACER, Clutch Disc Hub Bearing	1
12	225076	BEARING, Clutch Disc Hub	1
13	225602	BEARING, Clutch Shaft (Inc. 14)	1
14	945374	RING, Bearing Retaining	1
15	215183	RING, Clutch Shaft Sealing	2
16	659065	RING, Bearing Retaining	1
17	223085	RING, Piston Inner Sealing	1
18	215177	PISTON, Clutch	1
19	224771	RING, Piston Outer Sealing	1
20	215184	SHAFT, Clutch	1
21	227952	DRUM & GEAR ASSY, Clutch (Inc. 21A, 21B) (53T)	1
21A	215176	†SEAT, Bleed Valve Ball	1
21B	10J-06	†BALL, Bleed Valve	1
22	215166	GEAR, High Clutch Shaft (26T)	1
23	799595	BEARING, Clutch Shaft High Gear	1
24	659065	RING, Bearing Retaining	1
25		‡CLUTCH ASSY	1

†Not Illustrated

‡Not Sold Separately — Order individual parts.

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



TS-3903-P

**CONTROL VALVE – TRANSMISSION**

For Serial: G.M.—C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-101, C5WG9-111 thru C5WG9-114  
Continental—C3WCO9-10 thru C3WCO9-156, C3WCO9 thru C3WCO9-158

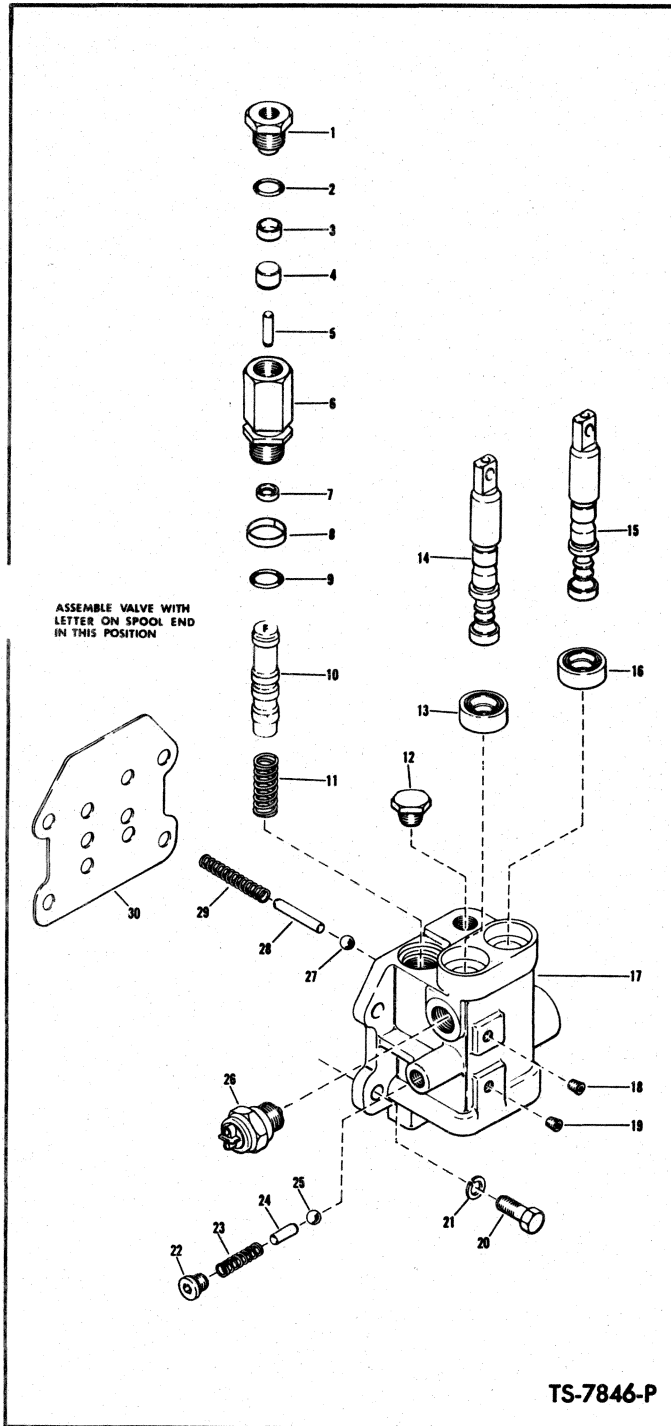
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	215211	CONTROL VALVE ASSY (inc. 1 thru 21)	1	10	215169	GASKET, Housing to Cover	1
1	—	OMIT (Shipping Plug)	—	11	10J-12	BALL, Detent	2
2	215200	PLUG, Stop	1	12	215194	PIN, Detent Stop	2
3	25K-30020	O-RING	1	13	215147	SPRING, Detent	2
4	215199	SPACER, Cup	1	14	211433	BREATHER, Control Cover	1
5	215197	HOUSING, Piston	1	15	220363	SPRING, Control Valve	1
6	—	§VALVE, Manual Control — See A	2	16	—	§VALVE, Slave Unit Control — See A	1
7	234653	SEAL, Manual Control Valve Oil	2	17	25K-30022	O-RING	1
8	—	§HOUSING, Control Valve — See A	1	18	228931	SEAL, Band	1
9	1C-718	BOLT, Housing to Cover	4	19	229131	SEAL, Oil	1
9A	4E-07	†LKWSHR, Housing to Cover	4	20	106358	PIN, Push	1
				21	227874	CUP, Piston	1

§Not Sold Separately

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

**CONTROL VALVE — TRANSMISSION**

For Serial: G.M.—C5WG9-102 thru C5WG110, C5WG9-115 thru C5WG9-999, 7WG101 & After  
Continental—C3WCO9-157, C3WCO9-159 thru C3WCO9-999  
Waukesha—C3WA9-10 thru C3WA9-999

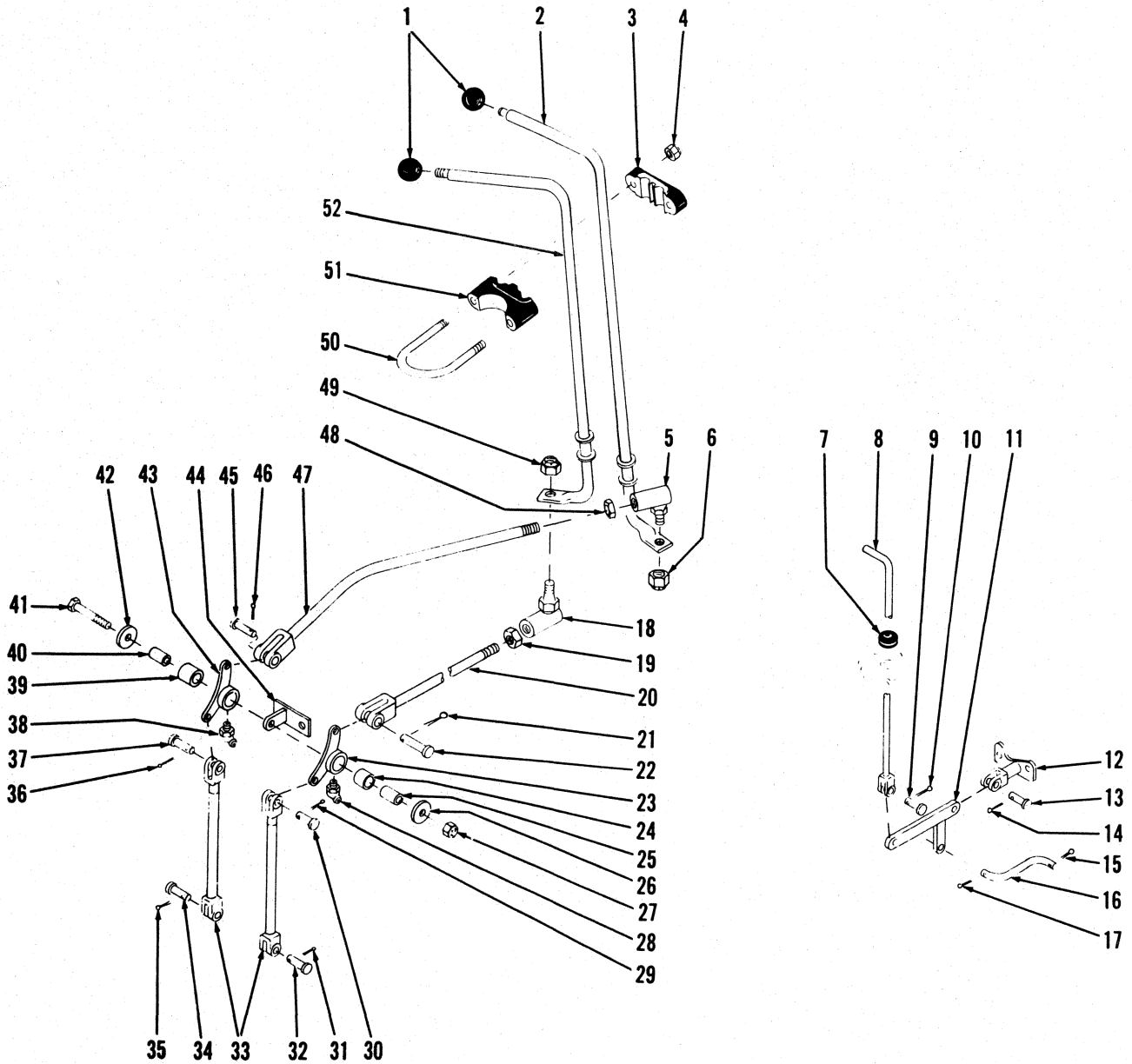


Item No.	Part No.	Description	No. Req'd.
A	229370	CONTROL VALVE ASSY (Inc. 1 thru 30) .....	1
1	215200	PLUG, Stop .....	1
2	25K-30020	"O" RING .....	1
3	227874	CUP, Piston .....	1
4	215199	SPACER, Cup .....	1
5	106358	PIN, Push .....	1
6	215196	VALVE, De-Clutch (Inc. 1 thru 5, 7, 8, 9, 12) .....	1
7	229131	SEAL, Oil .....	1
8	228931	SEAL, Band .....	1
9	25K-30022	O-RING .....	1
10	-----	*§VALVE, De-Clutch Control (See "A") ..	—
11	220363	SPRING, Control Valve .....	1
12	40K-02	PLUG .....	1
13	234653	SEAL, Manual Control Valve Oil .....	1
14	-----	§VALVE, Manual Control — See "A" ..	—
15	-----	§VALVE, Manual Control — See "A" ..	—
16	234653	SEAL, Manual Control Valve Oil .....	1
17	-----	§HOUSING, Control Valve — See "A" ..	—
18	16F-01	PLUG .....	1
19	16F-01	PLUG .....	1
20	1C-718	BOLT, Housing to Cover .....	4
21	4E-07	LKWSHR, Housing to Cover .....	4
22	47K-3	PLUG, Detent .....	1
23	202200	SPRING, Detent .....	1
24	229010	PIN, Detent .....	1
25	10J-12	BALL, Detent .....	1
26	224620	SWITCH, Neutral Start .....	1
27	10J-12	BALL, Detent .....	1
28	215194	PIN, Detent Stop .....	1
29	215147	SPRING, Detent .....	1
30	229009	GASKET, Housing to Cover .....	1

\*NOTE: For correct operation of the De-Clutch feature on this application, Item 10 must be installed with the letter "F" in the up-right position.

§Not Sold Separately

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



TRANSMISSION CONTROLS

TS-4535



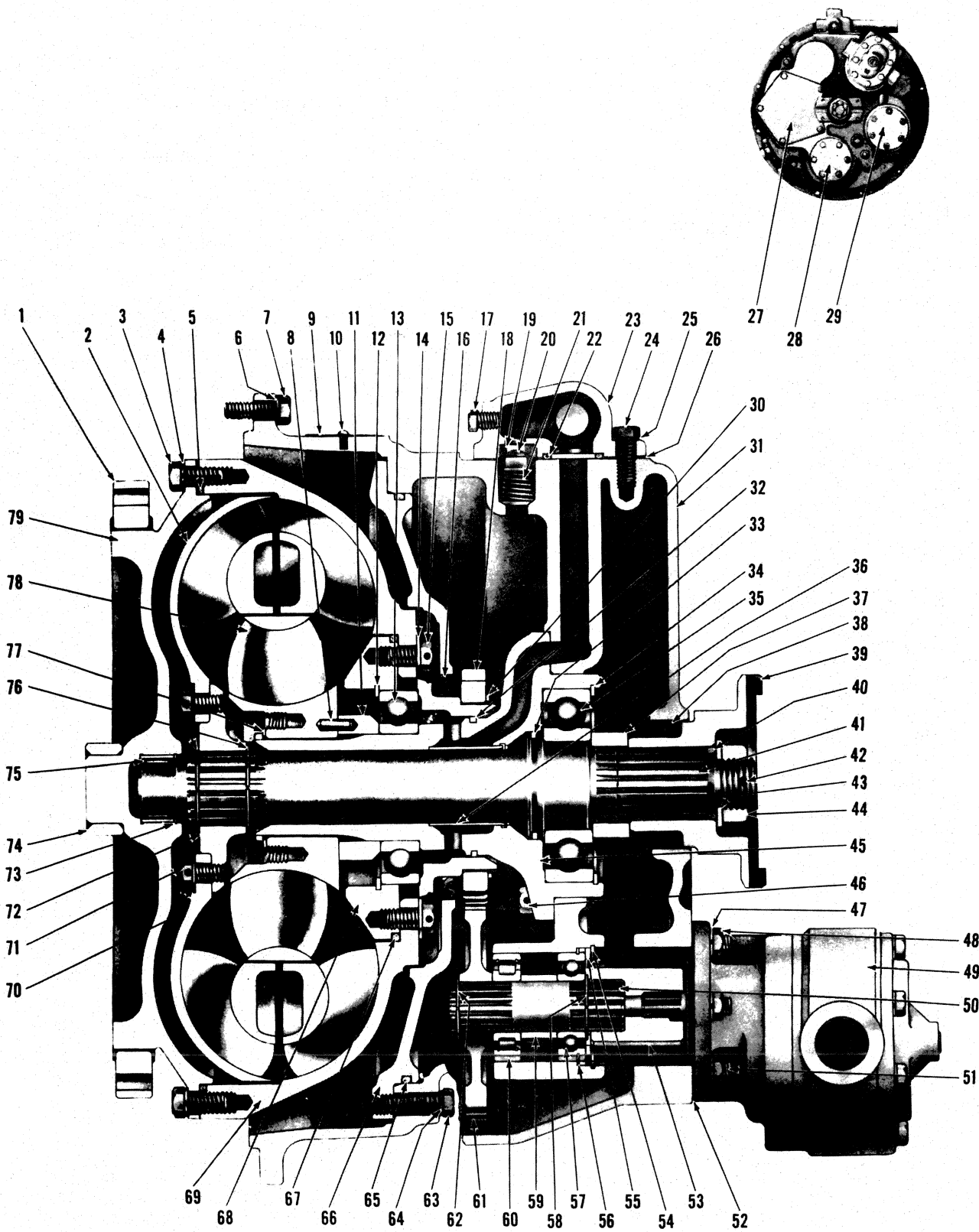


TRANSMISSION CONTROLS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	509772	KNOB, Shift Lever .....	2	27	18D-08	NUT, Bell Crank Mounting .....	1
2	585498	LEVER, Shift — Forward & Reverse .....	1	28	11H-15	FITTING, Bell Crank Grease .....	1
3	1508845	SUPPORT, Shift Levers to Steering Column (Inc. 51) .....	2	29	1F-312	COTTER, Clevis Pin .....	1
4	18D-05	NUT, U-Bolt .....	4	30	4F-06106	PIN, Transmission Rod Clevis .....	1
5	1301362	BALL JOINT, Shift Lever to Shift Rod ..	1	31	1F-312	COTTER, Clevis Pin .....	1
6	18D-06	NUT, Ball Joint to Shift Lever .....	1	32	4F-06106	PIN, Transmission Rod Clevis .....	1
7	585309	GROMMET, Control Rod .....	1	33	585306	ROD, Transmission .....	2
8	585764	ROD, Control — High & Low Range ....	1	34	4F-06106	PIN, Transmission Rod Clevis .....	1
9	4F-06106	PIN, Rod to Bell Crank Clevis .....	1	35	1F-312	COTTER, Clevis Pin .....	1
10	1F-312	COTTER, Clevis Pin .....	1	36	1F-312	COTTER, Clevis Pin .....	1
11	585589	BELL CRANK, High & Low Range Shifting .....	1	37	4F-06106	PIN, Bell Crank to Trans. Rod Clevis ....	1
12	585593	BRACKET, Bell Crank Pivot .....	1	38	11H-15	FITTING, Bell Crank Grease .....	1
12A	23C-724	†BOLT, Bracket Mounting .....	2	39	585597	BUSHING, Bell Crank .....	1
13	4F-06106	PIN, Bell Crank to Bracket .....	1	40	585596	SLEEVE, Bell Crank .....	1
14	1F-312	COTTER, Clevis Pin .....	1	41	24C-856	BOLT, Bell Crank Mounting .....	1
15	1F-312	COTTER, Bell Crank Link .....	1	42	616795	WASHER, Bell Crank Mounting .....	1
16	585591	LINK, Bell Crank .....	1	43	585500	BELL CRANK, Shift Rod to Trans. Rod ..	1
17	1F-312	COTTER, Bell Crank Link to Bell Crank	1	44	586132	BRACKET, Bell Crank Support .....	1
18	1301362	BALL JOINT, Shift Lever to Shift Rod ..	1	44A	23C-724	†BOLT, Bracket Mounting .....	2
19	8D-06	NUT, Jam — Ball Joint to Shift Rod ....	1	45	4F-06106	PIN, Shift Rod to Bell Crank Clevis .....	1
20	585494	ROD ASSY, High & Low Range Shift (Inc. 18, 19) .....	1	46	1F-312	COTTER, Clevis Pin .....	1
21	1F-312	COTTER, Clevis Pin .....	1	47	585492	ROD ASSY, Shift — Forward & Reverse (Inc. 5, 48) .....	1
22	4F-06106	PIN, Rod to Bell Crank Clevis .....	1	48	8D-06	NUT, Jam — Ball Joint to Shift Rod ....	1
23	585500	BELL CRANK, Shift Rod to Trans. Rod ..	1	49	18D-06	NUT, Ball Joint to Shift Lever .....	1
24	585597	BUSHING, Bell Crank .....	1	50	550672	U-BOLT, Shift Lever Support to Steering Column .....	1
25	585596	SLEEVE, Bell Crank .....	1	51	-----	§SUPPORT, Shift Levers to Steering Column (See 3) .....	2
26	616795	WASHER, Bell Crank Mounting .....	1	52	585497	LEVER, Shift — High & Low Range ....	1

§Not Sold Separately

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



TORQUE CONVERTER ASSEMBLY

TS-1567

**TORQUE CONVERTER ASSEMBLY**

**For Serial: Cont.—C3WCO9-10 thru C3WCO9-999. Waukesha—C3WA9-10 thru C3WA9-999.  
G.M.—C3WG9-10 thru C5WG9-999; 7WG101 thru 7WG455**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281862	**CONVERTER ASSY (272-19) (Inc. 1 thru 5, 8 thru 81)	1	36	-----	†SLEEVE, Converter Support (See 45)	1
1	233089	GEAR, Ring	1	37	214984	SPACER	1
1A	233092	†BOLT, Ring Gear to Flywheel	8	38	206864	SEAL, Output Flange	1
1B	215909	†WASHER, Ring Gear to Flywheel	8	39	214940	FLANGE, Output	1
1C	-----	†LOCKWIRE, Ring Gear to Flywheel Bolt (18 ga. x 20" long)	4	40	25K-40112	O-RING, Output Flange	1
2	222684	TURBINE, Converter	1	41	214983	SHAFT, Turbine	1
3	1C-616	BOLT, Impeller to Drive Disc	24	42	1F-424	COTTER, Output Shaft Nut	1
4	4E-06	LKWSHR, Impeller to Drive Disc	24	43	102745	WASHER, Output Shaft Nut	1
5	60K41200	O-RING, Impeller to Drive Disc	1	44	201951	NUT, Output Shaft	1
6	4E-06	LKWSHR, Conv. to Flywheel Housing	12	45	214932	SUPPORT ASSY, Converter (Inc. 36)	1
7	17C-620	BOLT, Converter to Flywheel Housing	12	46	1C-820	BOLT, Support Attaching	6
8	658244	PIN, Spacer to Reaction Member Lock	1	46A	7E-08	†LKWSHR, Support Attaching	6
9	-----	OMIT	—	47	4E-06	LKWSHR, Converter Pump Mounting	6
10	-----	OMIT	—	48	8D-06	NUT, Converter Pump Mounting	6
11	214934	SPACER, Reaction Member	1	49	450229	*CONVERTER CHARGING PUMP	1
12	214953	RING, Impeller Hub Bearing Retaining	1	50	214928	SHAFT, Pump Drive	3
13	214596	BEARING, Impeller Hub	1	51	207647	STUD, Converter Pump Mounting	6
14	25E-19	WASHER, Hub to Impeller	8	52	235961	GASKET, Converter Pump Mounting	6
15	4C-714	SCREW, Hub to Impeller	8	53	214961	SLEEVE, Pump Drive	1
16	214941	SEAL, Oil Baffle Oil	1	54	713186	RING, Washer Retaining	3
17	40K-02	PLUG, Valve Housing	2	55	214929	WASHER, Bearing Retaining	3
18	214951	GEAR, Impeller Hub (41T)	1	56	214954	RING, Bearing Retaining	3
19	214946	SEAT, Safety Valve	1	57	214956	BEARING, Pump Shaft	3
20	222318	PLUNGER, Safety Valve	1	58	224039	RING, Bearing Retaining	3
21	222312	SPRING, Safety Valve	1	59	214930	SPACER, Pump Shaft Bearing	3
22	25K-40104	O-RING, Valve to Converter	1	60	214936	BEARING, Pump Shaft	3
23	-----	REGULATOR VALVE ASSY—See Index	1	61	214931	GEAR, Pump Drive	3
24	1C-616	BOLT, Valve to Converter	4	62	711298	RING, Drive Gear Retaining	3
25	4E-06	LKWSHR, Valve to Converter	4	63	1C-628	BOLT, Oil Baffle to Housing	3
26	214949	GASKET, Valve to Converter	1	64	4E-06	LKWSHR, Oil Baffle to Housing	3
27	214979	COVER, Offset Drive Hole	1	65	60K41200	O-RING, Oil Baffle	1
27A	25K-40512	†O-RING, Offset Drive Hole Cover	1	66	801818	KIT, Baffle Oil — See Note "B"	1
27B	214730	†STUD, Offset Drive Hole Cover	2	67	25K-40616	O-RING, Impeller Hub	1
27C	8D-07	†NUT, Offset Drive Hole Cover	2	68	214923	HUB, Impeller	1
27D	1C-720	†BOLT, Offset Drive Hole Cover	3	69	214920	IMPELLER	1
27E	4E-07	†LKWSHR, Offset Drive Hole Cover	5	70	619023	WASHER, Turbine Hub Bolt	8
28	-----	MAIN PUMP GROUP (See Items 50, 54 thru 62)	1	71	209313	BOLT, Hub to Turbine	8
29	-----	STEERING PUMP GROUP (See Items 50, 54 thru 62)	1	72	214924	HUB, Turbine	1
30	224009	RING, Impeller Hub Gear Retaining	1	73	666542	RING, Drive Disc Bearing Retaining	1
31	214980	HOUSING ASSY, Converter (Inc. 38)	1	74	222006	SLEEVE, Drive Disc	1
32	221653	RING, Support Sealing	1	75	214988	BEARING, Drive Disc	1
33	222079	RING, Turbine Shaft Sealing	1	76	659065	RING, Turbine Hub Retaining	2
34	214953	RING, Turbine Shaft Brg. Retaining	1	77	743035	RING, Reaction Member Retaining	1
35	231554	BEARING, Turbine Shaft	1	78	801607	***KIT, Member & Spacer	1
				79	234503	DRIVE DISC, Converter—See Note "A"	1
				80	227265	†CHECK VALVE, Air Breather	1
				81	211433	†AIR BREATHER	1

†Not Illustrated

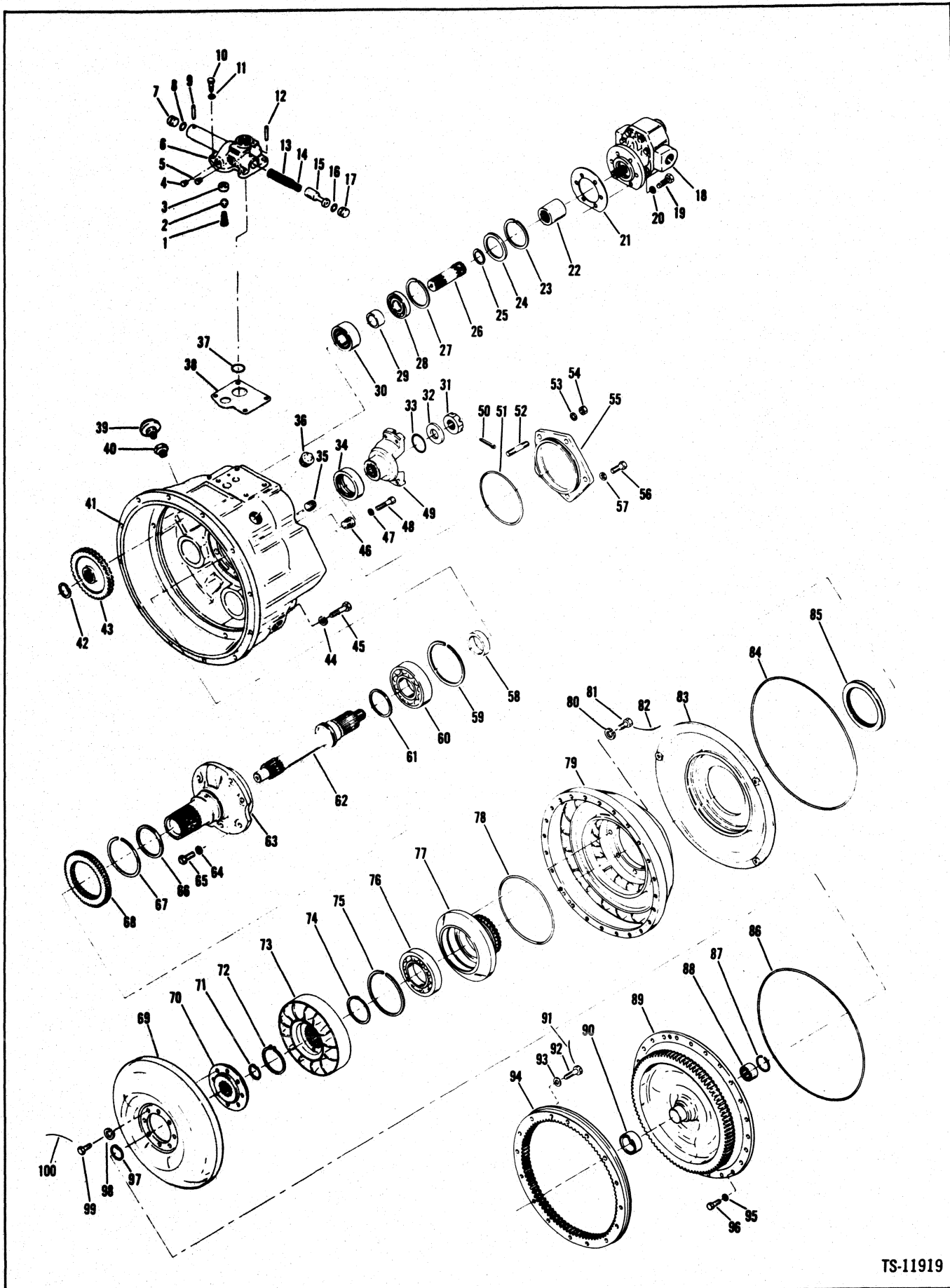
§Not Sold Separately

NOTE "A": For replacement use 801524 Kit, which consists of 1—234503 Cover plus 1—222006 Bushing.

NOTE "B": For replacement use 1—214925 Baffle or 1—214941 Oil Seal, or both.

\*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 a new pump alone. \*\*NOTE: For complete replacement use 284055 Converter Assembly. \*\*\*Kit #801807 consists of 1—229565 Member & 1—229566 Spacer.

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



TS-11919



Converter Assembly
For Serial: G.M. 7WG456 & After

Table with 4 columns: No., Part No., Qty., Description. Contains parts 1-50 including Converter Assy, Spring, Plunger, Seat, Plug, Valve press reg, Stop, O-ring, Pin roll, Bolt, Lockwasher, Washer, Ring snap, Shaft pump, Bearing, Spacer, Nut, Washer, O-ring, Seal, Plug, O-ring, Gasket, Breather, Valve check, Housing, Ring snap, Gear, Lockwasher, Bolt, Plug, Lockwasher, Bolt, Flange, Pin cotter.

Table with 4 columns: No., Part No., Qty., Description. Contains parts 51-100 including O-ring, Stud, Lockwasher, Nut, Cover, Bolt, Lockwasher, Spacer, Ring snap, Bearing, Ring, Shaft turbine, Stator support, Lockwasher, Bolt, Ring piston, Ring snap, Gear, Turbine, Hub turbine, Ring snap, Reaction member, Spacer, Ring snap, Bearing, Hub impeller, O-ring, Impeller, Lockwasher, Bolt, Lockwire, Baffle, O-ring, Seal, O-ring, Ring snap, Bearing, Cover impeller, Sleeve, Lockwire, Bolt, Washer, Gear, Lockwasher, Bolt, Ring snap, Washer, Bolt, Lockwire.

1(C272-90) Inc. 1->38, 41->43, 46->90, 95->100

2Inc. 7, 8, 9, 12->17

3When 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 costs exceeding cost of a new pump alone.

4Inc. 20

5See 19

6(39T)

7(41T)

8See 96

9Inc. 95

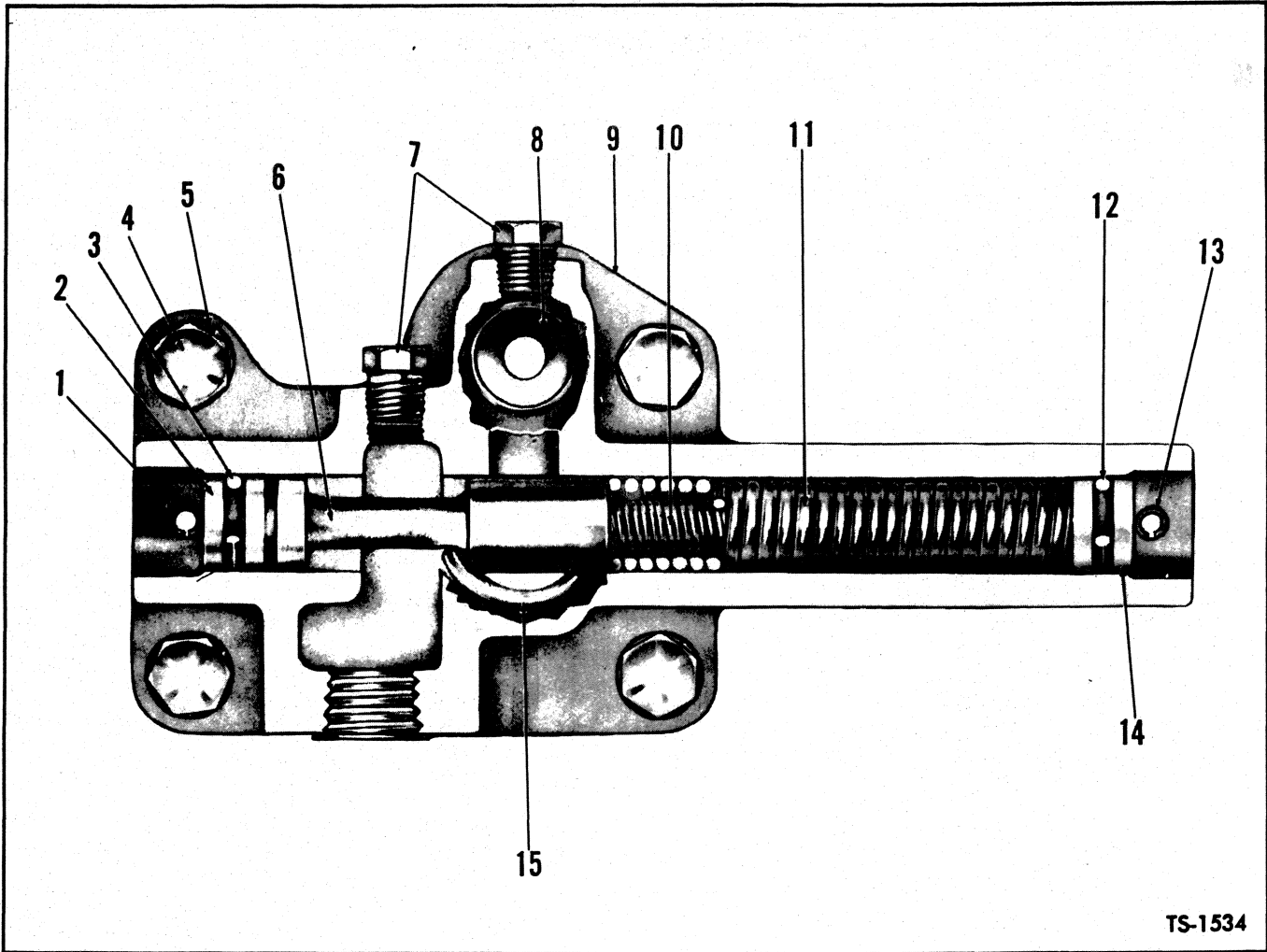
1014 ga. x 16" lg.

1118 ga.

12As Required

13Not Sold Separately

14For replacement use 801524 Kit, which consists of 1-234503 Cover plus 1-222006 Bushing.



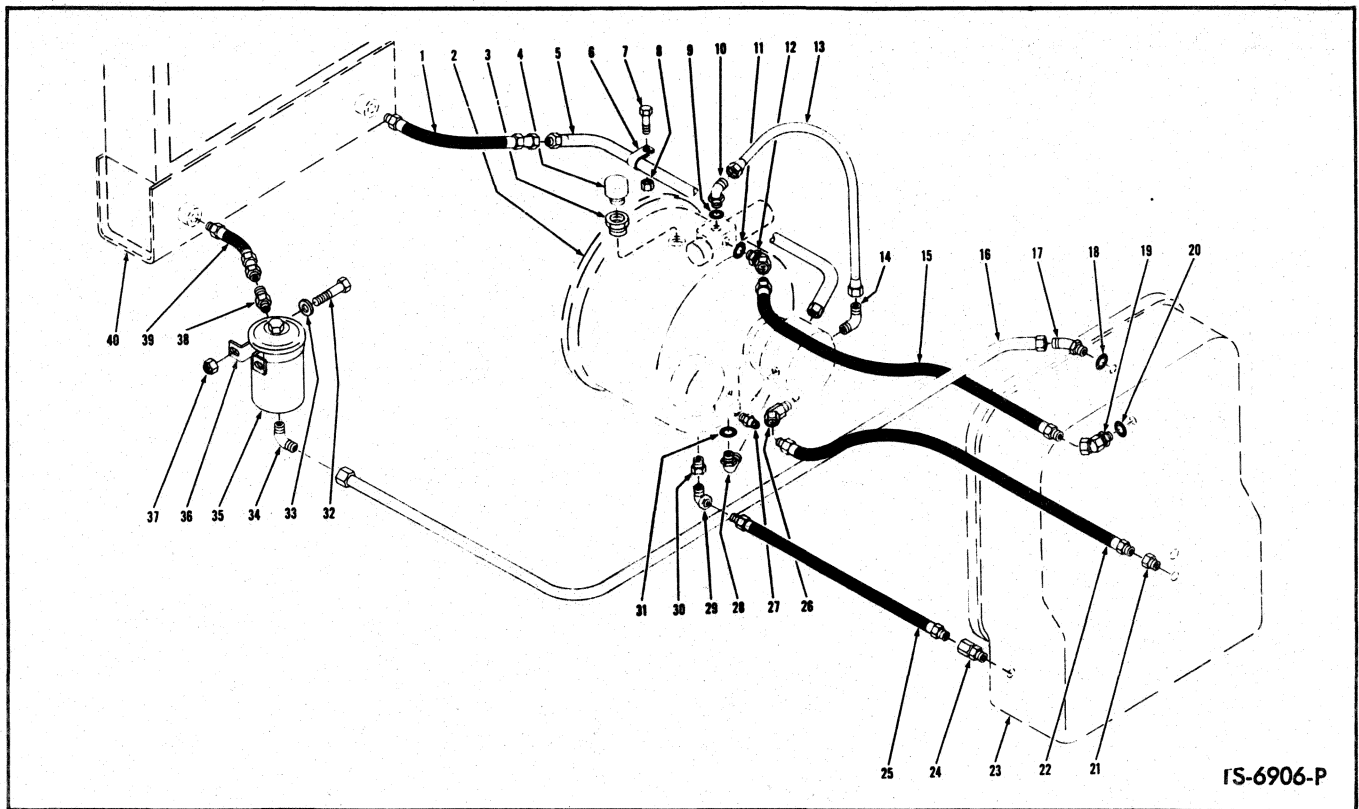
TS-1534

**PRESSURE REGULATOR VALVE ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	214943	VALVE ASSY, Pressure Regulator (Inc. 1 thru 3, 6, 8 thru 17).....	1	9	§ BODY, Valve (See Item 17) .....	—	—
1	660178	PIN, Piston Stop .....	1	10	220982 SPRING, Valve — Inner.....	1	1
2	220983	STOP, Piston .....	1	11	220981 SPRING, Valve — Outer.....	1	1
3	25K-30018	O-RING, Piston Stop .....	1	12	25K-30018 O-RING, Piston Stop .....	1	1
4	1C-616	BOLT, Valve to Converter .....	4	13	660178 PIN, Piston Stop .....	1	1
5	4E-06	LKWSHR, Valve to Converter .....	4	14	220983 STOP, Piston .....	1	1
6	—	§PISTON, Valve (See Item 17).....	—	15	25K-40104 O-RING, Valve to Converter .....	1	1
7	40K-02	PLUG, Valve Housing Pipe.....	2	16	214949 †GASKET, Valve to Housing .....	1	1
8	214946	SEAT, Safety Valve .....	1	17	801548 †HOUSING & PISTON ASSY (Inc. 6, 9) 1	1	1

§Not Sold Separately  
†Not Illustrated

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



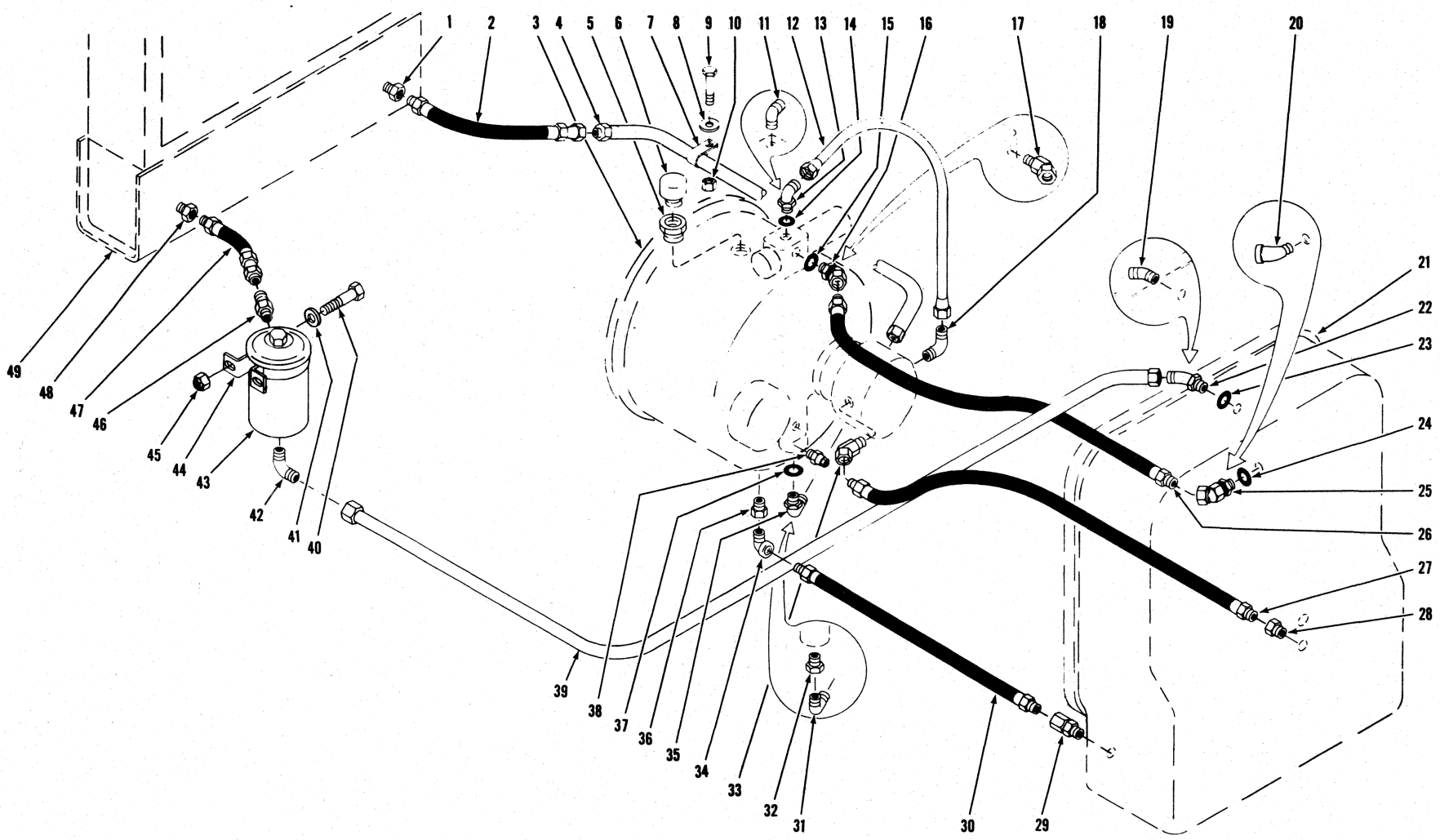
IS-6906-P

**HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER**  
**Waukesha and Continental Powered Machines**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585652	HOSE, Line to Radiator .....	1	19	574290	ADAPTER UNION, Hose to Trans. .... (Inc. 20) .....	1
2	-----	TORQUE CONVERTER — See Index ..	—	20	91F-6	O-RING, Adapter Union .....	1
3	227265	VALVE, Breather Check .....	1	21	356621	BUSHING, Transmission Reducing .....	1
4	211433	BREATHER, Converter .....	1	22	587612	HOSE, Transmission to Pump .....	1
5	-----	LINE, Cooler — Conv. to Radiator ..	—	23	-----	TRANSMISSION ASSY — See Index ..	—
5A	567640	For Waukesha Powered .....	1	24	661428	ADAPTER UNION, Hose to Trans. ....	1
5B	585661	For Continental Powered .....	1	25	587612	HOSE, Transmission to Converter .....	1
6	30H-44	CLIP, Line to Frame .....	1	26	711285	ADAPTER UNION, Hose to Pump .....	1
7	24C-822	BOLT, Clip to Frame .....	1	27	551323	SENDER UNIT, Converter Temp. ....	1
8	18D-08	NUT, Clip to Frame Bolt .....	1	27A	12E-10	†LKWSHR, Sender Unit .....	1
9	91F-8	O-RING, Elbow .....	1	27B	14D-10	†NUT, Sender Unit .....	1
10	18K-8	ELBOW, Line to Converter (Inc. 9) .....	1	28	1302104	ELBOW, Line to Converter (Inc. 31) .....	1
11	91F-6	O-RING, Adapter Union .....	1	29	26F-5	ELBOW, Hose to Converter .....	1
12	574290	ADAPTER UNION, Hose to Converter (Inc. 11) .....	1	30	356621	BUSHING, Converter Reducing .....	1
13	585662	LINE, Pump to Converter — Pressure ..	1	31	91F-8	O-RING, Elbow .....	1
14	83F-8	ELBOW, Line to Pump .....	1	32	24C-516	BOLT, Filter Strap — Mounting .....	2
15	639122	HOSE, Converter to Transmission .....	1	33	25E-15	WASHER, Strap Bolt .....	2
16	-----	LINE, Cooler — Transmission to Filter ..	—	34	730149	ELBOW, Line to Filter .....	1
16A	567253	For Waukesha Powered .....	1	35	558598	FILTER ASSY, Transmission Oil (Inc. 35A) .....	1
16B	585660	For Continental Powered .....	1	35A	957577	†CARTRIDGE KIT, Oil Filter .....	1
17	18K-8	ELBOW, Line to Trans. (Inc. 18) .....	1	36	558599	STRAP, Filter Mounting .....	1
18	91F-8	O-RING, Elbow .....	1	37	18D-05	NUT, Strap Bolt .....	2
				38	89F-7	CONNECTOR, Hose to Filter .....	1
				39	585652	HOSE, Filter to Radiator .....	1
				40	-----	RADIATOR — See Index .....	—

†Not Illustrated

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



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

TS-6961-P

[ 58 ]

(1G1)



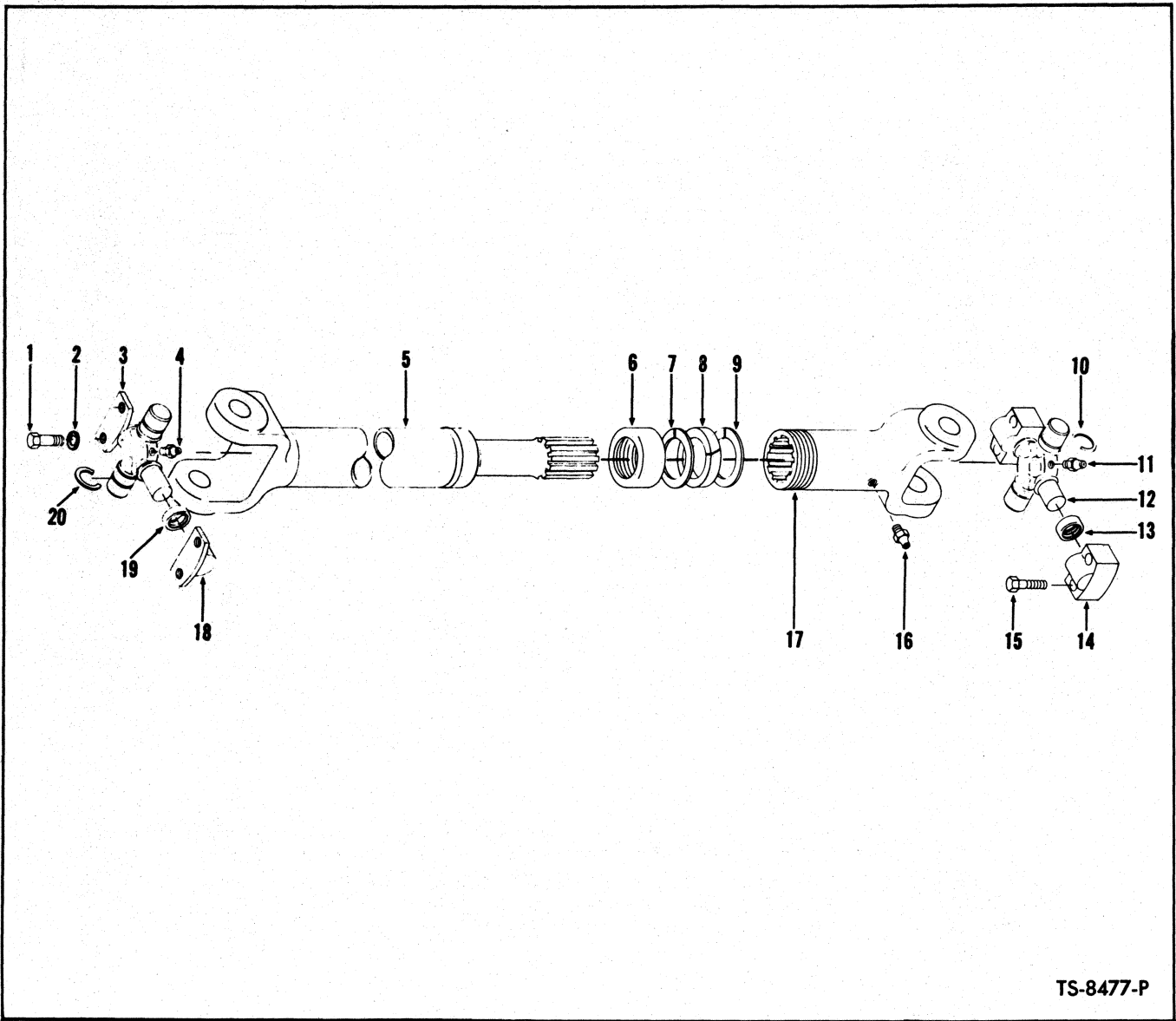
**HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER**  
G.M. Powered Machines

Item No.	No.	Description	No. Req'd.
1	356617	BUSHING, Radiator Reducing .....	1
2	585652	HOSE, Radiator to Tube .....	1
3	-----	TORQUE CONVERTER — See Index .....	—
4	564056	TUBE, Radiator to Converter — Cooler .....	1
5	227265	VALVE, Breather Check .....	1
6	211433	BREATHER, Converter Air .....	1
7	6H-16	CLIP, Tube to Frame .....	1
8	25E-18	WASHER, Clip to Frame Bolt .....	2
9	24C-620	BOLT, Clip to Frame .....	1
10	18D-06	NUT, Clip to Frame Bolt .....	1
11	84F-8	* ELBOW, Tube to Regulator Valve .....	1
12	585662	TUBE, Pump to Regulator Valve .....	1
13	18K-8	ELBOW, Tube to Regulator Valve (Inc. 14) .....	1
14	91F-8	"O" RING, Elbow .....	1
15	91F-6	"O" RING, Adapter Union .....	1
16	574290	ADAPTER UNION, Hose to Regulator Valve (Inc. 15) .....	1
17	33F-3	* ADAPTER UNION, Hose to Regulator Valve .....	1
18	83F-8	ELBOW, Tube to Pump .....	1
19	84F-8	* ELBOW, Tube to Transmission .....	1
20	25F-3	* ELBOW, Hose to Transmission .....	1
21	-----	TRANSMISSION — See Index .....	—
22	18K-8	ELBOW, Tube to Transmission (Inc. 23) .....	1
23	91F-8	"O" RING, Elbow .....	1
24	91F-6	"O" RING, Adapter Union .....	1
25	574290	ADAPTER UNION, Hose to Transmission (Inc. 24) .....	1
26	650599	HOSE, Regulator Valve to Transmission .....	1
27	536772	HOSE, Pump to Transmission .....	1
28	356621	BUSHING, Transmission Reducing .....	1
29	661428	ADAPTER, Hose to Transmission .....	1
30	536772	HOSE, Transmission to Converter .....	1
31	83F-7	* ELBOW, Tube to Converter .....	1
32	356617	* BUSHING, Converter Reducing .....	1
33	711285	ADAPTER UNION, Hose to Pump .....	1
34	26F-5	ELBOW, Hose to Converter .....	1
35	1302104	ELBOW, Tube to Converter (Inc. 37) .....	1
36	356621	BUSHING, Converter Reducing .....	1
37	91F-8	"O" RING, Elbow .....	1
38	551323	SENDER UNIT, Converter Temperature .....	1
38A	12E-10	† LKWSHR, Sender Unit .....	1
38B	14D-10	† NUT, Sender Unit .....	1
39	564057	TUBE, Transmission to Filter .....	1
40	24C-516	BOLT, Filter Mounting .....	2
41	25E-15	WASHER, Filter Mounting Bolt .....	2
42	730149	ELBOW, Tube to Filter .....	1
43	558598	FILTER ASSY, Transmission Oil (Inc. 43A) .....	1
43A	957577	† CARTRIDGE KIT, Oil Filter .....	1
44	558599	STRAP, Filter Mounting .....	1
45	18D-05	NUT, Filter Mounting Bolt .....	2
46	89F-7	CONNECTOR, Hose to Filter .....	1
47	585652	HOSE, Filter to Radiator .....	1
48	356617	BUSHING, Radiator Reducing .....	1
49	-----	RADIATOR — See Index .....	—

† Not Illustrated

\* NOTE: Items 11, 17, 19, 20, 31, 32 are for Serial Group C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-15 only.

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



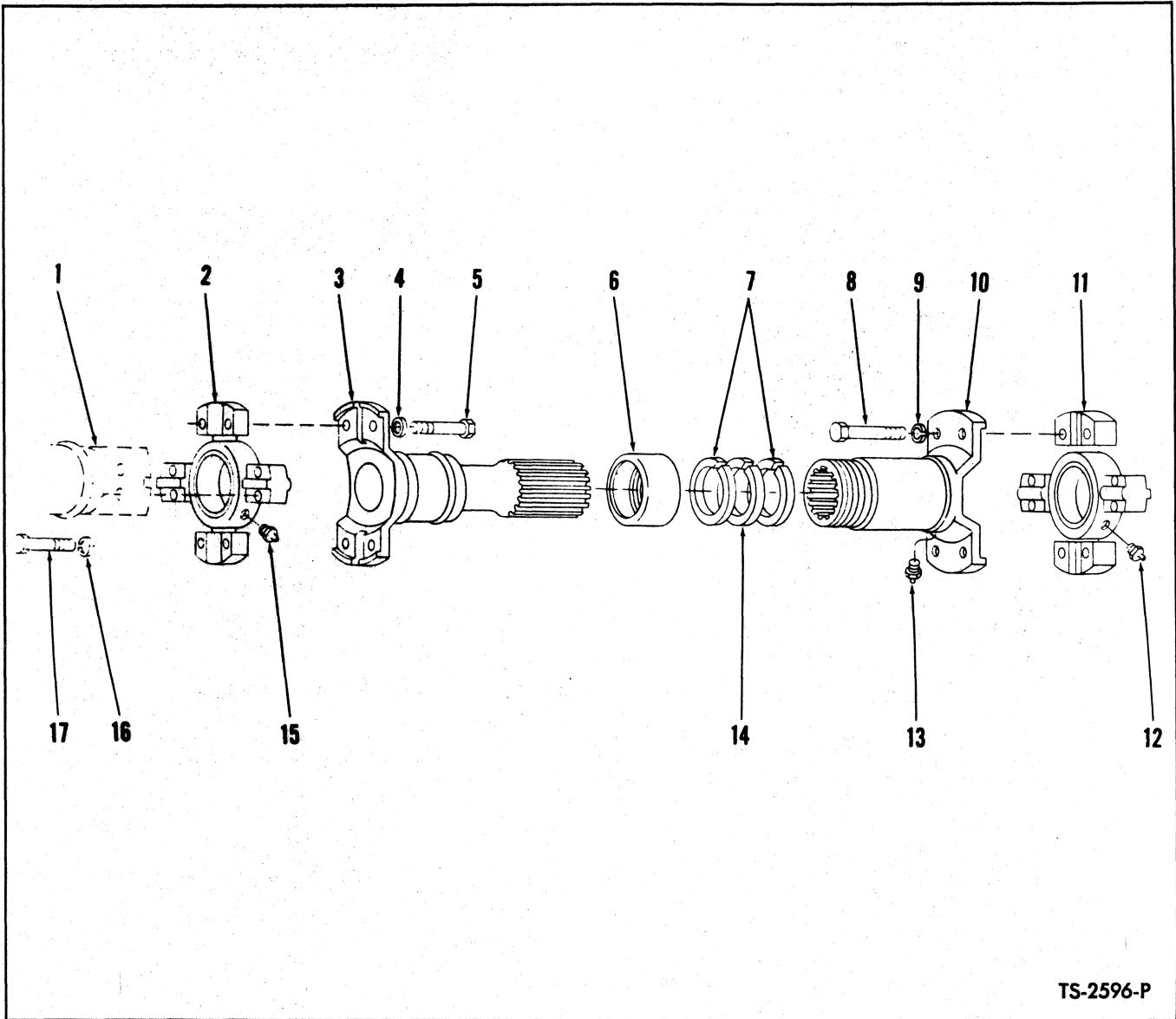
TS-8477-P

**PROPELLER SHAFT — TRANSMISSION TO AXLES**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		PROP SHAFT ASSY (Inc. 1 thru 20)		8	942751	FELT .....	1
B	584876	Transmission to Front Axle .....	1	9	942750	WASHER, Felt Retainer .....	1
C	584875	Transmission to Rear Axle .....	1	10	945389	RING, Retaining .....	2
<b>NOTE: Quantities indicated below are for 1 Prop Shaft.</b>				11	10H-35	FITTING, Spider & Bearing Grease ....	1
1	18C620	BOLT, Prop Shaft to Axle .....	4	12	945388	SPIDER & BEARING ASSY (Inc. 11, 13, 14) .....	1
2	4E-06	LKWSHR, Axle Bolt .....	8	13	944861	SEAL, Spider & Bearing Grease .....	4
3	945387	SPIDER & BEARING ASSY (Inc. 4, 18, 19) .....	1	14	§	BEARING, Spider (See 12) .....	2
4	10H-35	FITTING, Spider & Bearing Grease ....	1	15	945390	BOLT, Prop Shaft to Transmission .....	4
5		TUBE		16	10H-25	FITTING, Slip Yoke Grease .....	1
5A	945391	For Front Axle Prop Shaft .....	1	17	945385	SLIP YOKE .....	1
5B	945386	For Rear Axle Prop Shaft .....	1	18	§	BEARING, Spider (See 3) .....	2
6	942744	RETAINER, Felt .....	1	19	944861	SEAL, Spider & Bearing Grease .....	4
7	942750	WASHER, Felt Retainer .....	1	20	945389	RING, Retaining .....	2

§Not Sold Separately

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



TS-2596-P

**PROPELLER SHAFT — CONVERTER TO TRANSMISSION**

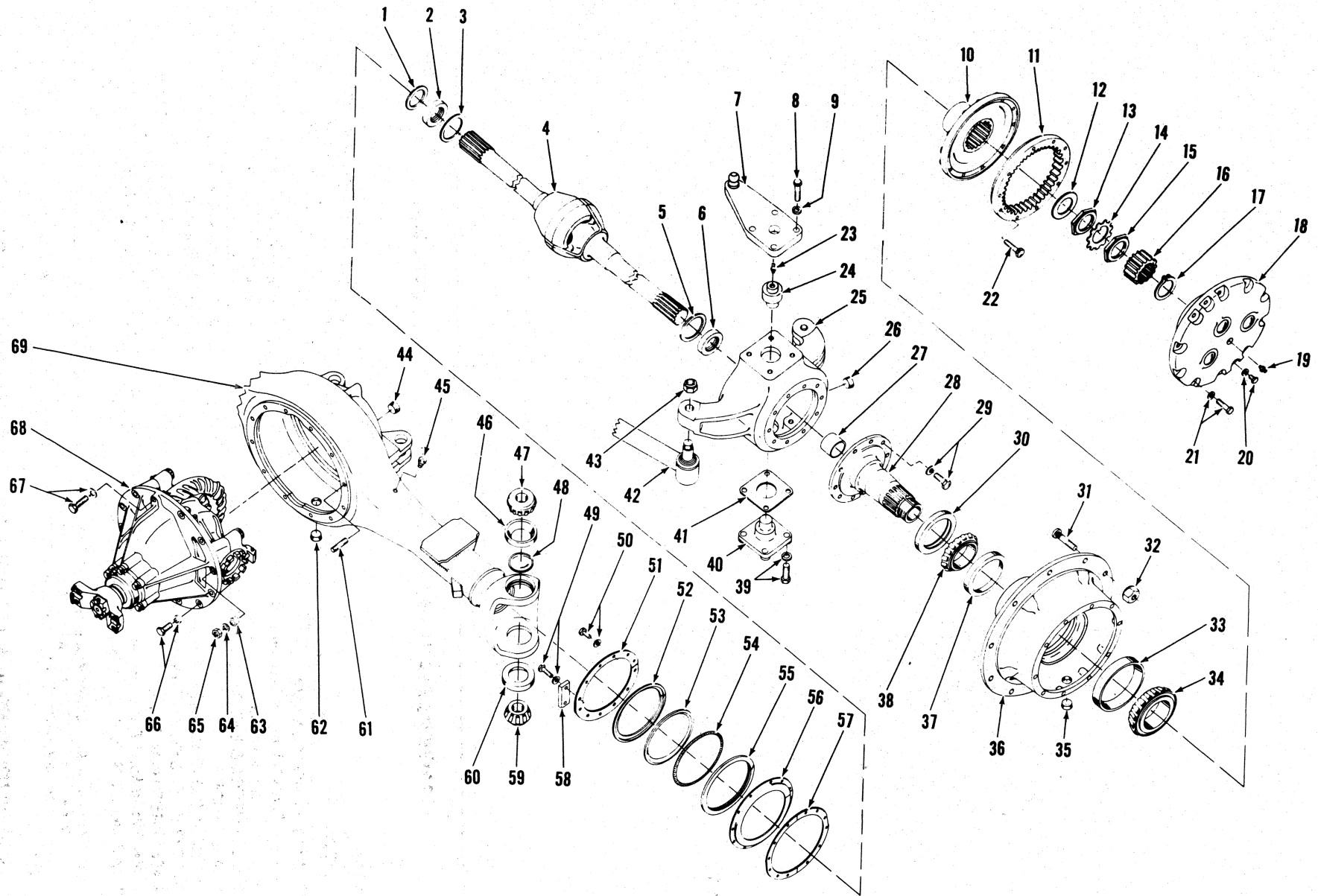
Item No.	Part No.		Description	No. Req'd.	Item No.	Part No.		Description	No. Req'd.
	Serial Group "A"	Serial Group "B"				Serial Group "A"	Serial Group "B"		
A	534039	562615	PROP SHAFT ASSY (Inc. 1 thru 17)	1	9	4E-05	4E-05	LKWSHR, Spider to Slip Yoke	4
1			FLANGE — See Converter & Transmission	—	10	944868	944868	SLIP YOKE (Inc. 13)	1
2	944865	946067	SPIDER & BRG. ASSY (Inc. 2A, 15)	1	11	946067	946067	SPIDER & BRG. (Inc. 11A, 12)	1
3	945276	946068	TUBE	1	12	10H-35	10H-35	FITTING, Spider & Brg. Grease	1
4	4E-05	4E-05	LKWSHR, Spider to Tube	4	13	10H-25	10H-25	FITTING, Slip Yoke Grease	1
5	947388	947388	BOLT, Spider to Tube	4	14	940081	940081	WASHER, Felt	1
6	940654	940654	RETAINER, Felt	1	15	10H-35	10H-35	FITTING, Spider & Brg. Grease	1
7	940653	940653	WASHER, Felt Retainer	2	16	4E-05	4E-05	LKWSHR, Spider & Brg. Attaching	8
8	947388	947388	BOLT, Spider to Slip Yoke	4	17	947388	947388	BOLT, Spider & Brg. Attaching	8

Serial Group "A": Continental — C3WCO9-10 thru C3WCO9-999 Waukesha — C3WA9-10 thru C3WA9-999  
Waukesha — C3WA9-10 thru C3WA9-999

Serial Group "B": G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-999, 7WG101 & After.

†Not Illustrated

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



AXLE ASSEMBLY — FRONT DRIVE STEER (LESS BRAKES)

TS-3908-P

[ 62 ]

(1A21)



CONSTRUCTION MACHINERY DIVISION



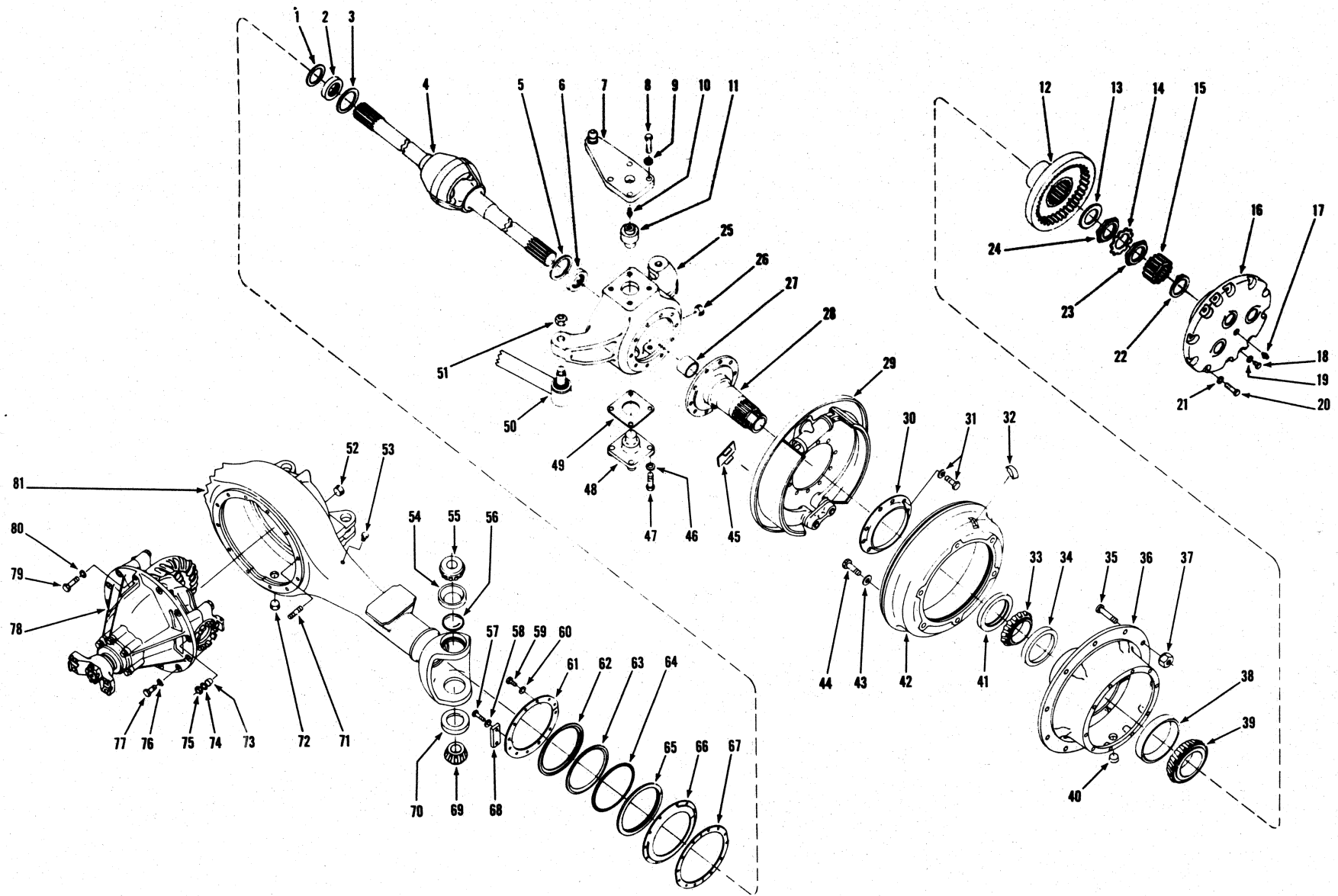
AXLE ASSEMBLY — FRONT DRIVE STEER (LESS BRAKES)

For Serial: G.M.—C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-111
Continental—C3WCO9-10 thru C3WCO9-156

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts such as washers, seals, shafts, bolts, and gears with their respective quantities.

§ Not Sold Separately †Not Illustrated
‡As Required
\*NOTE: 815849 Kit also includes one (1) 119983 Sun Gear Thrust Washer.
\*\*NOTE: For replacement service with components.

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



AXLE ASSEMBLY — FRONT DRIVE STEER (WITH BRAKES)

TS-5080-P

[ 64 ]

(1A23)



CONSTRUCTION MACHINERY DIVISION



AXLE ASSEMBLY - FRONT DRIVE STEER (WITH BRAKES)
For Serial: G.M. - C5WG9-112 thru C5WG9-999, 7WG101 and thereafter
Waukesha - C3WA9-10 thru C3WA9-999
Continental - C3WCO9-157 thru C3WCO9-999

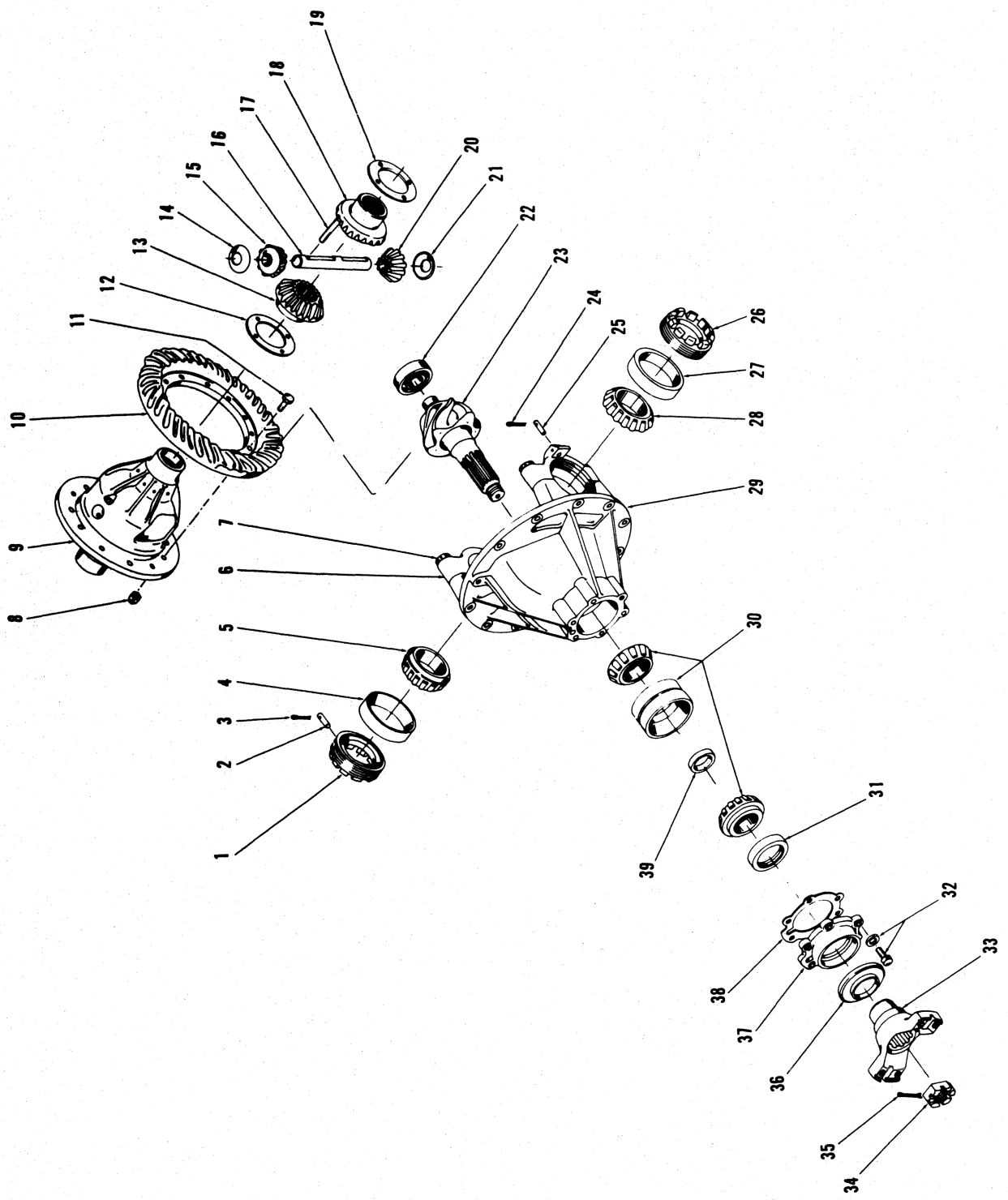
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts for an axle assembly, including washers, seals, gears, and bearings, with their respective quantities.

\*NOTE: 119983 Thrust Washer became effective in production with the following serial numbers - G.M. - C5WG9-173, C5WG9-176 thru C5WG9-999; Waukesha - C3WA9-41 thru C3WA9-999.

†Not Illustrated
‡As Required

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

TS-4904-P



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE



**DIFFERENTIAL & CARRIER ASSEMBLY — FRONT DRIVE STEER**

For Serial: G.M. C3WG9-10 thru 7WG420  
Waukesha — C3WA9-10 thru C3WA9-999  
Continental — C3WCO9-10 thru C3WCO9-999

12 40 004

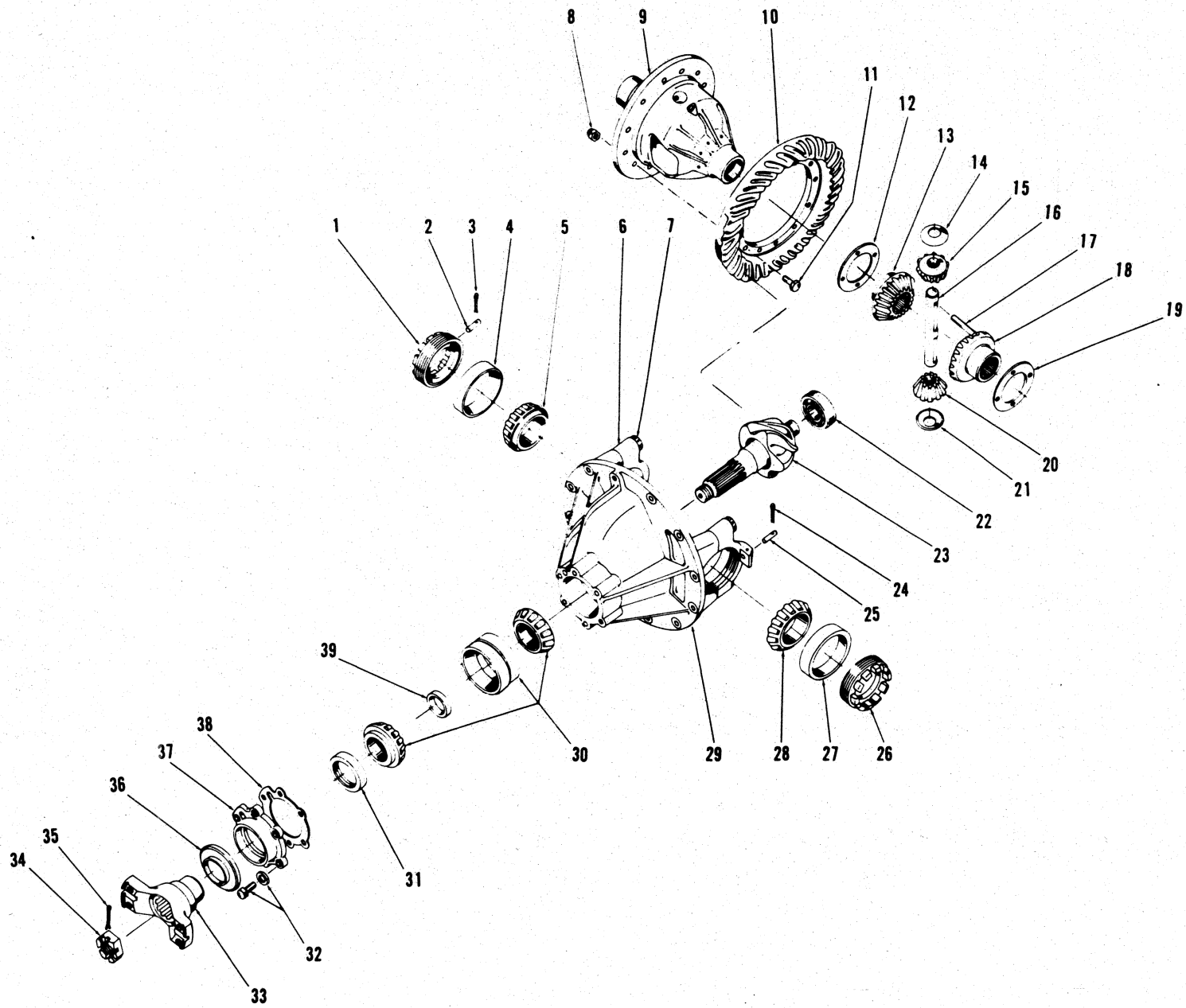
Item No.	Part No.	Description	No. Req'd.
A	113077	*DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 39)	1
1	123746	NUT, Differential Adjusting	1
2	101411	PIN, Adjusting Nut Lock	1
3	1F-428	COTTER, Adjusting Nut Lock Pin	1
4	667279	CUP, Differential Bearing	1
5	648334	CONE, Differential Bearing	1
6	-----	§CAP, Carrier (See 29)	2
7	3C-1040	BOLT, Carrier Cap	4
7A	104549	†WASHER, Carrier Cap Bolt	4
8	109389	NUT, Ring Gear Bolt	12
9	101396	CASE, Differential	1
10	-----	§RING GEAR (See 42)	1
11	101424	BOLT, Ring Gear	12
12	101400	WASHER, Side Gear Thrust	1
13	101398	GEAR, Differential Side	1
14	101399	WASHER, Pinion Thrust	1
15	122416	PINION, Differential	1
16	101401	PIN, Differential Pinion	1
17	666364	PIN, Differential Pinion Pin Lock	1
18	101398	GEAR, Differential Side	1
19	101400	WASHER, Side Gear Thrust	1
20	101397	PINION, Differential	1
21	101399	WASHER, Pinion Thrust	1
22	111437	BEARING, Inner Pinion	1
23	-----	§PINION, Differential (See 42)	1
24	1F-428	COTTER, Adjusting Nut Lock Pin	1
25	101411	PIN, Adjusting Nut Lock	1
26	101410	NUT, Differential Adjusting	1
27	667279	CUP, Differential Bearing	1
28	648334	CONE, Differential Bearing	1
29	112275	CARRIER ASSY, Differential (Inc. 6, 7, 7A)	1
30	111735	BEARING ASSY, Pinion	1
31	111646	SEAL, Pinion Oil	1
32	1C-720	BOLT, Oil Seal Retainer	6
32A	3E-07	LKWSHR, Oil Seal Retainer	6
33	109644	FLANGE, Companion	1
34	100675	NUT, Pinion Shaft	1
35	1F-424	COTTER, Pinion Shaft Nut	1
36	100674	SHIELD, Pinion Dust	1
37	101406	RETAINER, Pinion Bearing	1
38	127684	GASKET, Bearing Retainer	1
39	815082	SPACER KIT, Pinion Bearing	1
40	111560	†DIFFERENTIAL ASSY (Inc. 8 thru 21, 23)	1
41	101395	†DIFFERENTIAL BODY SUB-ASSY (Inc. 9, 12 thru 21)	1
42	815904	†GEAR & PINION SET (Inc. 10, 23)	1

† Not Illustrated

§ Not Sold Separately

\*NOTE: For replacement use 123136 Differential & Carrier Assembly.

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



TS-4904

[ 68 ]

(1B5)

PM 2988  
Printed in U.S.A.



Axle Differential Carrier Assembly, Front\*

No.	Part No.	Qty.	Description
A	123136	1	Differential assy
1	123746	1	Nut
2	101411	1	Pin
3	1F-428	1	Pin cotter
4	667279	1	Cup
5	648334	1	Cone
6	§ <sup>2</sup> -----	2	Cap
7	1C-1040	4	Bolt
7A	†26E-10	4	Lockwasher
8	109389	12	Nut
9	101396	1	Case
10	§ <sup>3</sup> -----	1	Gear
11	101424	12	Bolt
12	101400	1	Washer
13	101398	1	Gear
14	101399	1	Washer
15	125234	1	Pinion
16	101401	1	Pin
17	666364	1	Pin
18	101398	1	Gear
19	101400	1	Washer
20	125234	1	Pinion
21	101399	1	Washer
22	111437	1	Bearing
23	§ <sup>3</sup> -----	1	Pinion
24	1F-428	1	Pin cotter
25	101411	1	Pin
26	123746	1	Nut
27	667279	1	Cup
28	648334	1	Cone
29	†122984	1	Carrier assy
30	111735	1	Bearing
31	111646	1	Seal
32	1C-724	6	Bolt
32A	26E-07	6	Lockwasher
33	109644	1	Flange
34	100675	1	Nut
35	1F-424	1	Pin cotter
36	100674	1	Shield
37	122943	1	Retainer
38	127684	1	Gasket
39	815082	1	Spacer kit
40	† <sup>1</sup> 111560	1	Differential assy
41	† <sup>1</sup> 101395	1	Body assy
42	† <sup>7</sup> 815904	1	Gear set

\*G.M. 7WG421 & →

<sup>1</sup>Inc. 1 → 39

<sup>2</sup>See 29

<sup>3</sup>See 42

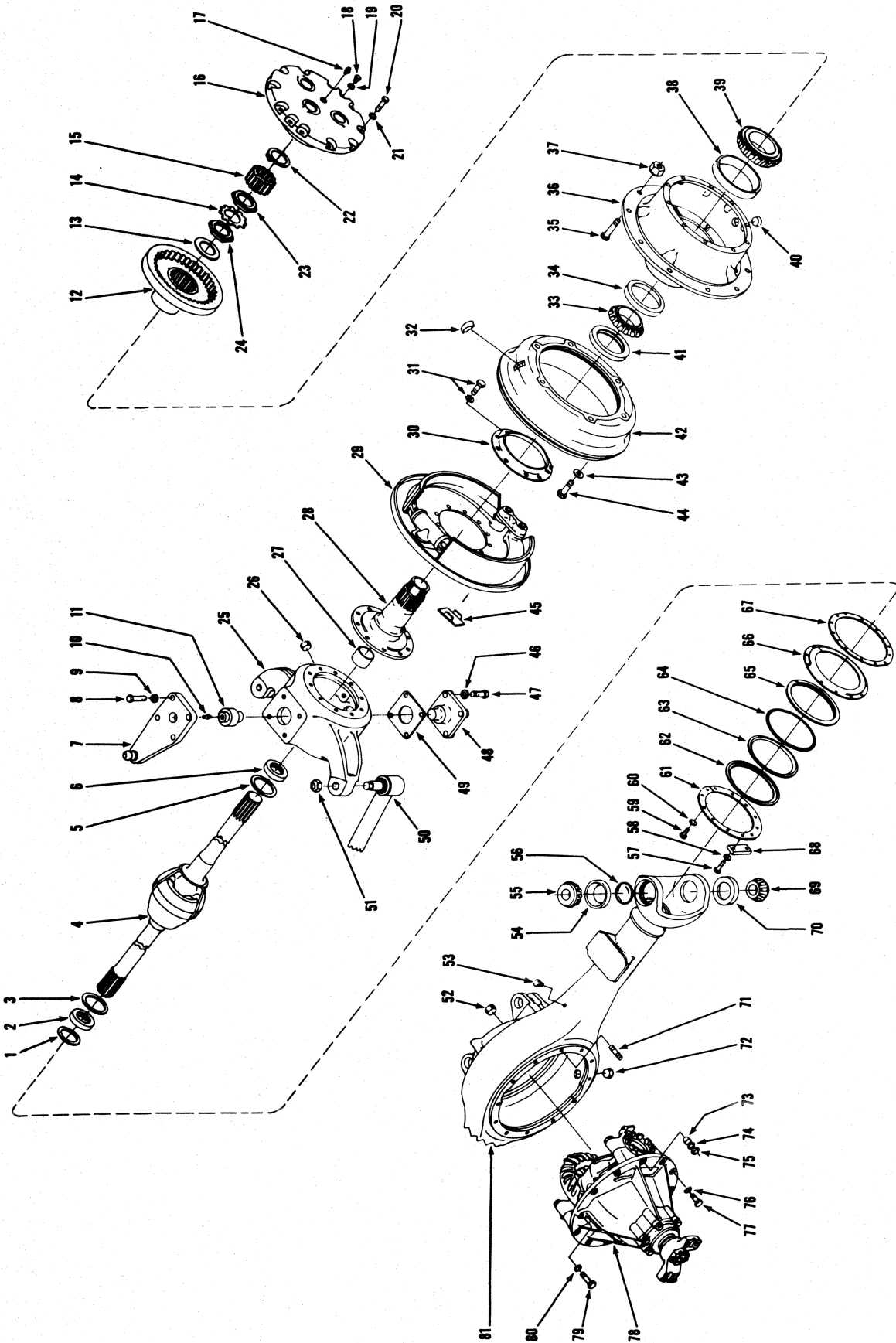
<sup>4</sup>Inc. 6, 7, 7A

<sup>5</sup>Inc. 8 → 21, 23

<sup>6</sup>Inc. 9, 12 → 21

<sup>7</sup>Inc. 10, 23

TS-5080-P



AXLE ASSEMBLY — REAR DRIVE STEER



AXLE ASSEMBLY — REAR DRIVE STEER

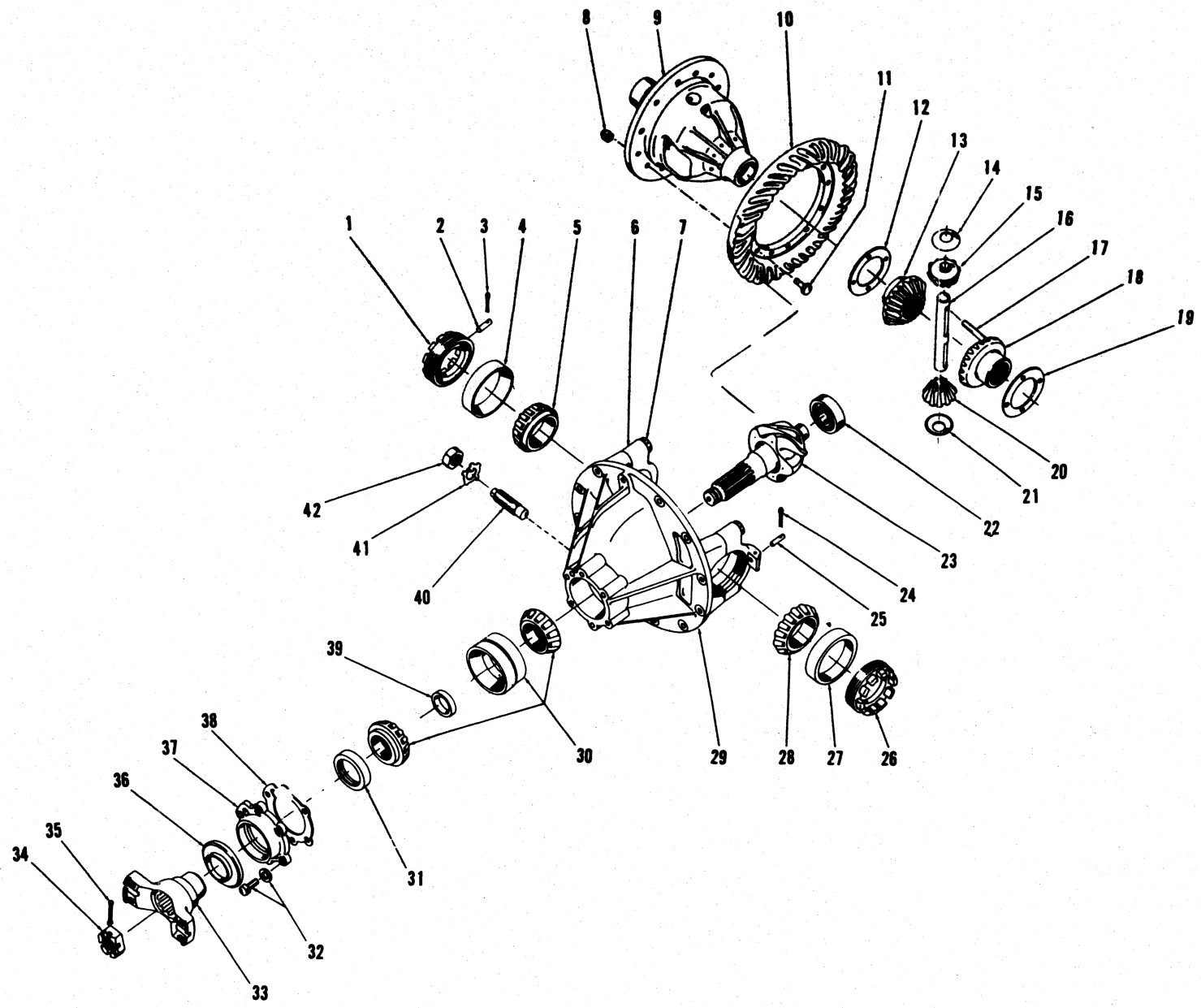
For Serial: G.M. C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-999, 7WG101 & After, Continental C3WCO9-10 thru C3WCO9-999, Waukesha C3WA9-10 thru C3WA9-999

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

\*NOTE: 119983 Thrust Washer became effective in production with the following serial numbers — G.M. — C5WG9-174, C5WG9-176 thru C5WG9-999. Waukesha — C3WA9-37, C3WA9-39 thru C3WA9-42, C3WA9-44 thru C3WA9-999.

†Not Illustrated
‡As Required

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



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

TS-3527-P

[ 72 ]

(1B7)



CONSTRUCTION MACHINERY DIVISION



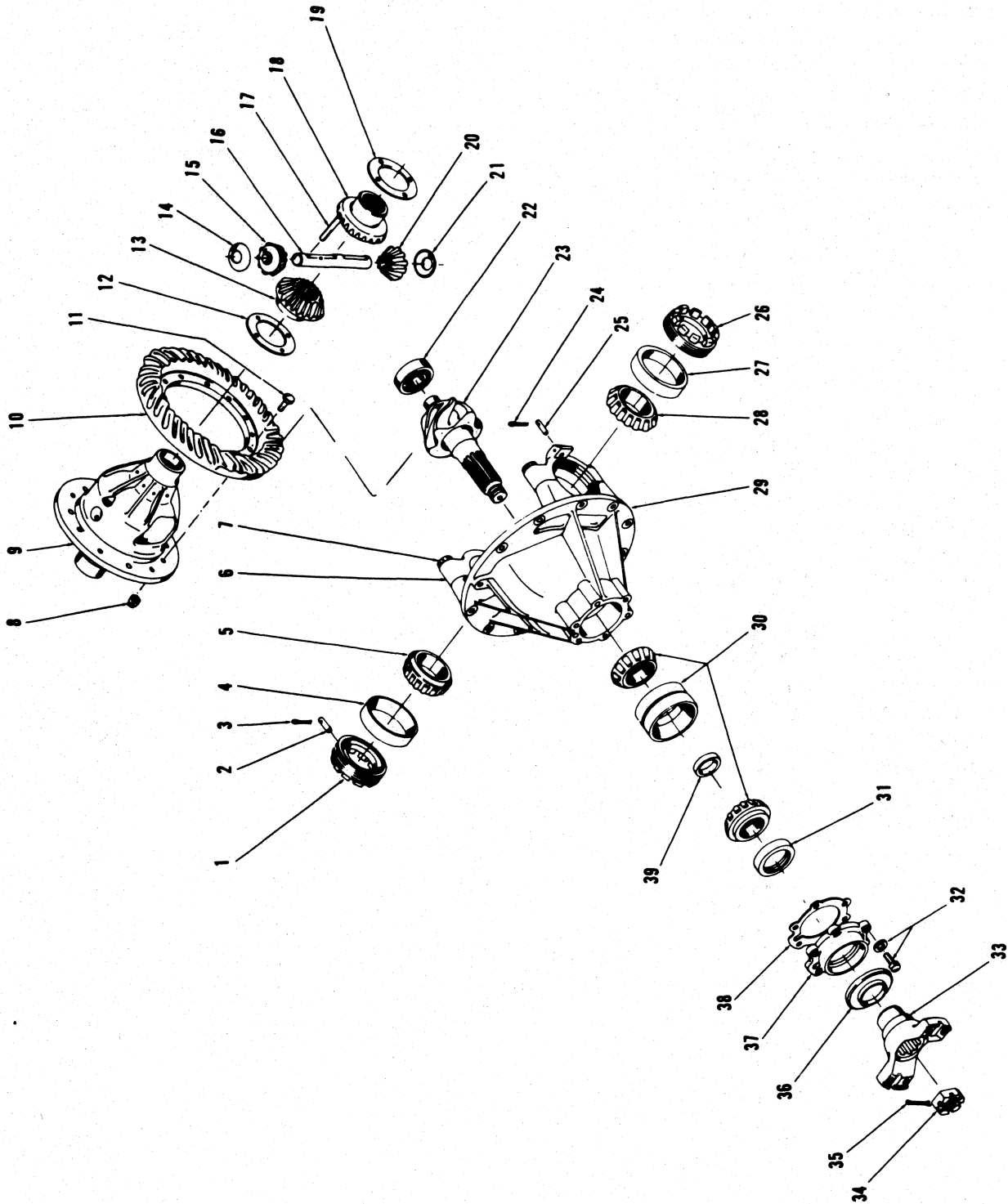
DIFFERENTIAL & CARRIER ASSEMBLY - REAR DRIVE STEER
For Serial: G.M. C3WG9-10 thru 7WG420, Continental C3WCO9-10 thru C3WCO9-999, Waukesha C3WA9-10 thru C3WA9-999

Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various mechanical parts such as DIFFERENTIAL & CARRIER ASSY, NUT, Differential Adjusting, PIN, Adjusting Nut Lock, etc., with their respective quantities.

§Not Sold Separately
†Not Illustrated

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

TS-4904-P



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE



**Axle Differential Carrier Assembly, Rear\***

No.	Part No.	Qty.	Description
A	123135	1	Differential assy
1	123746	1	Nut
2	101411	1	Pin
3	1F-428	1	Pin cotter
4	667279	1	Cup
5	648334	1	Cone
6	S <sup>2</sup> -----	2	Cap
7	1C-1040	4	Bolt
7A	†26E-10	4	Lockwasher
8	109389	12	Nut
9	101396	1	Case
10	S <sup>3</sup> -----	1	Gear
11	101424	12	Bolt
12	101400	1	Washer
13	101398	1	Gear
14	101399	1	Washer
15	125234	1	Pinion
16	101401	1	Pin
17	666364	1	Pin
18	101398	1	Gear
19	101400	1	Washer
20	125234	1	Pinion
21	101399	1	Washer
22	111437	1	Bearing
23	S <sup>3</sup> -----	1	Pinion
24	1F-428	1	Pin cotter
25	101411	1	Pin
26	123746	1	Nut
27	667279	1	Cup
28	648334	1	Cone
29	4122984	1	Carrier assy
30	111735	1	Bearing
31	111646	1	Seal
32	1C-724	6	Bolt
32A	†26E-07	6	Lockwasher
33	109644	1	Flange
34	100675	1	Nut
35	1F-424	1	Pin cotter
36	100674	1	Shield
37	122943	1	Retainer
38	127684	1	Gasket
39	815082	1	Spacer kit
40	†5107378	1	Differential assy
41	†6101395	1	Body assy
42	†7122418	1	Gear set

\*G.M. 7WG421 & →

1Inc. 1→39

2See 29

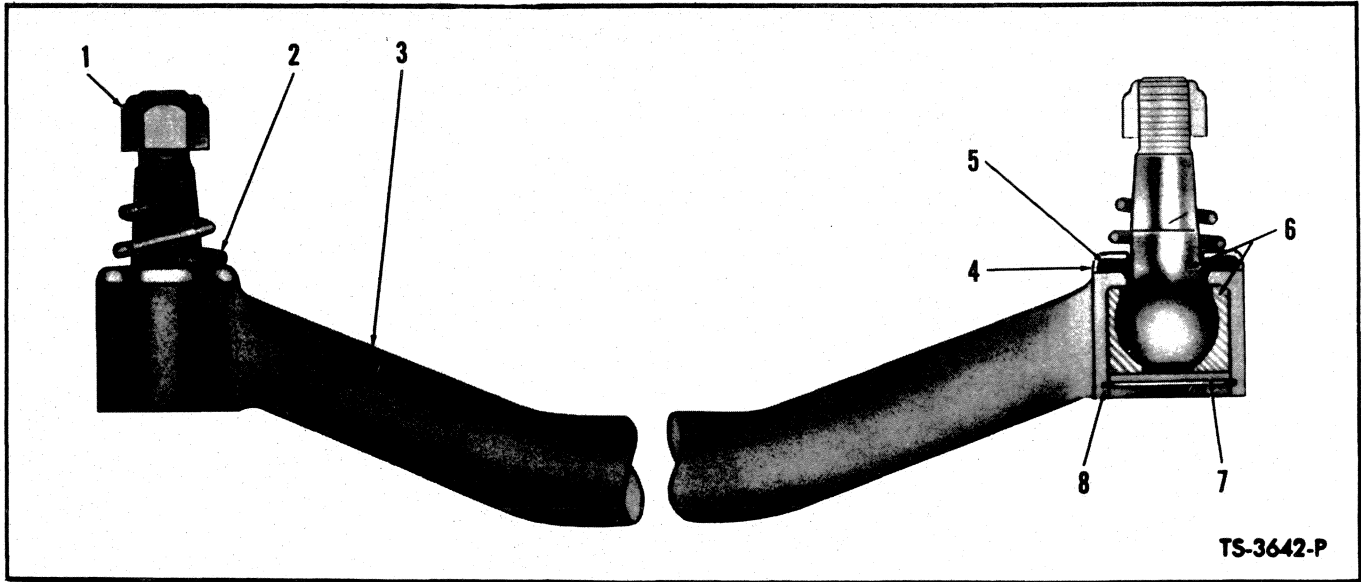
3See 42

4Inc. 6, 7, 7A

5Inc. 8→21, 23

6Inc. 9, 12→21

7Inc. 10, 23

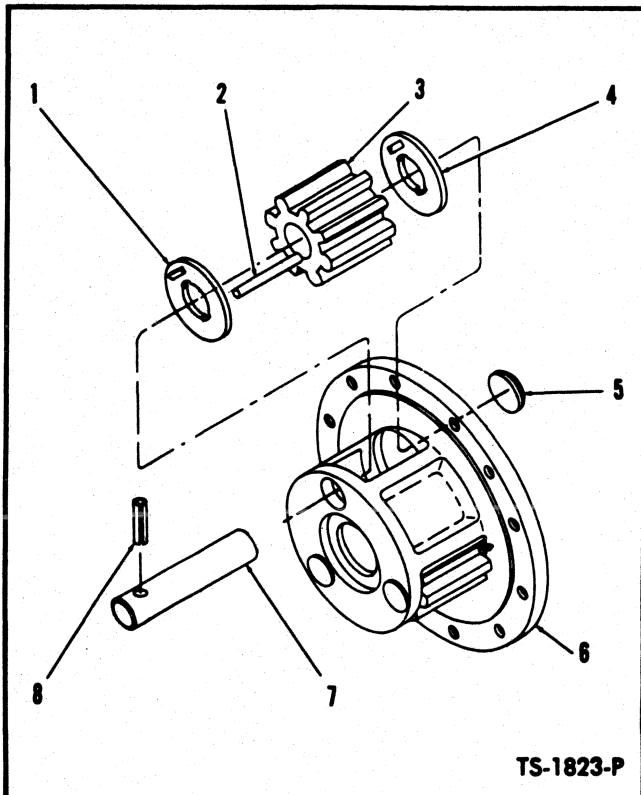


**TIE ROD ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.
A	532447	TIE ROD ASSY (Inc. 1 thru 8).....	1
1	112174	NUT, Ball Stud .....	2
2	106268	SPRING .....	2
3	—	§HOUSING, Tie Rod — See "A".....	1
4	106138	RETAINER, Felt Washer .....	2

Item No.	Part No.	Description	No. Req'd.
5	106137	WASHER, Felt .....	2
6	117228	BALL STUD .....	2
7	524066	PLATE, Ball Stud Retaining .....	2
7A	10H-25	†FITTING, Ball Stud Grease .....	2
8	507695	RING, Ball Stud Retaining .....	2

§Not Sold Separately  
†Not Illustrated



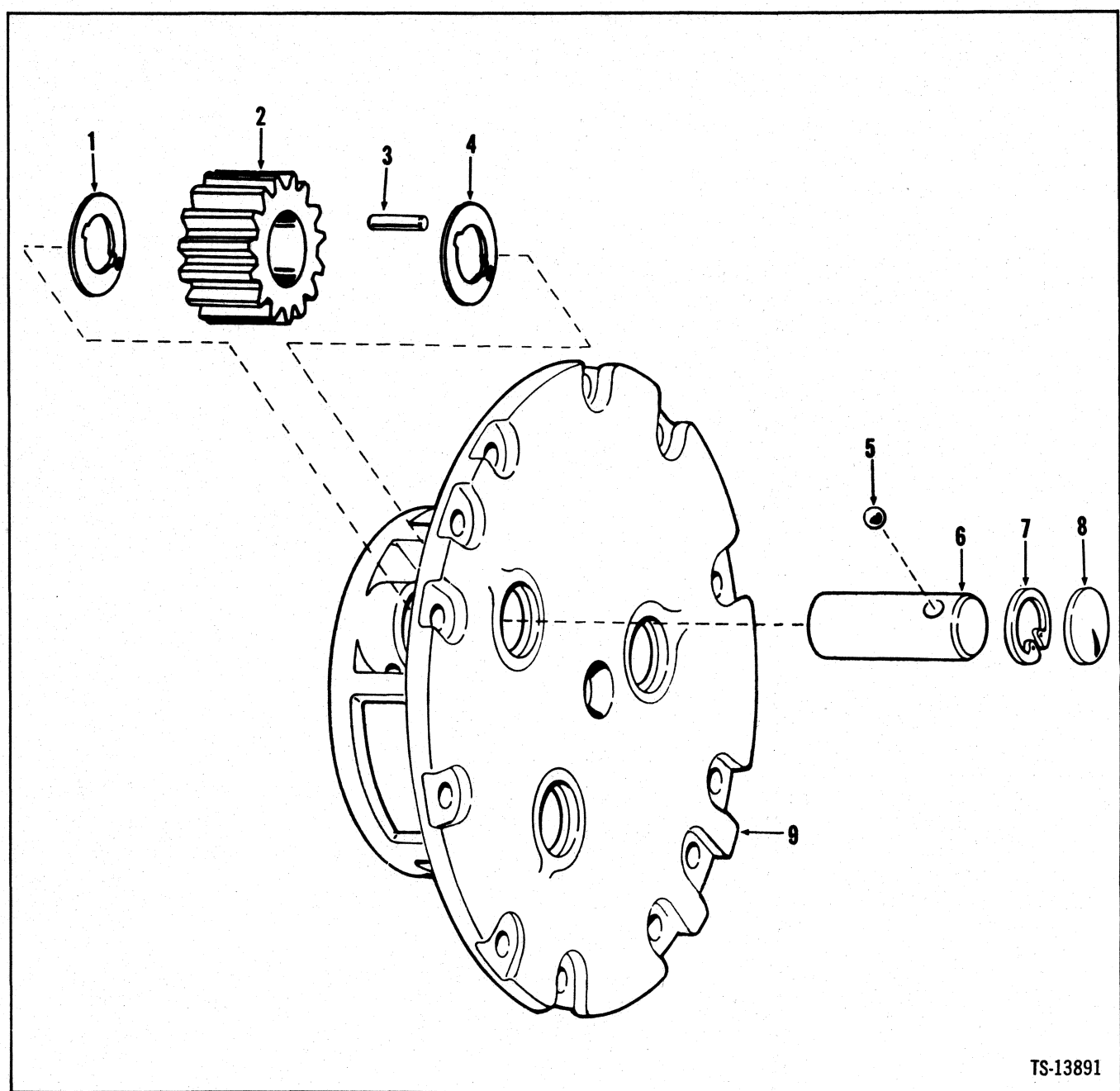
**PLANET SPIDER ASSEMBLY**

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

Item No.	Part No.	Description	No. Req'd.
A	120193	*PLANET SPIDER ASSY (Inc. 1 thru 8) ..	1
1	106569	WASHER, Pinion Thrust .....	3
2	106570	ROLLER, Pinion Needle .....	102
3	120189	PINION, Planet .....	3
4	106569	WASHER, Pinion Thrust .....	3
5	12F-108	PLUG, Planet Expansion .....	3
6	944279	SPIDER, Planet .....	1
7	106917	SHAFT, Pinion .....	3
8	104994	PIN, Pinion Shaft Lock .....	3

\*For Serial: G.M. C3WG9-10 thru 7WG420, Continental C3WC09-10 thru C3WC09-999, Waukesha C3WA9-10 thru C3WA9-999. For replacement use 123621.

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

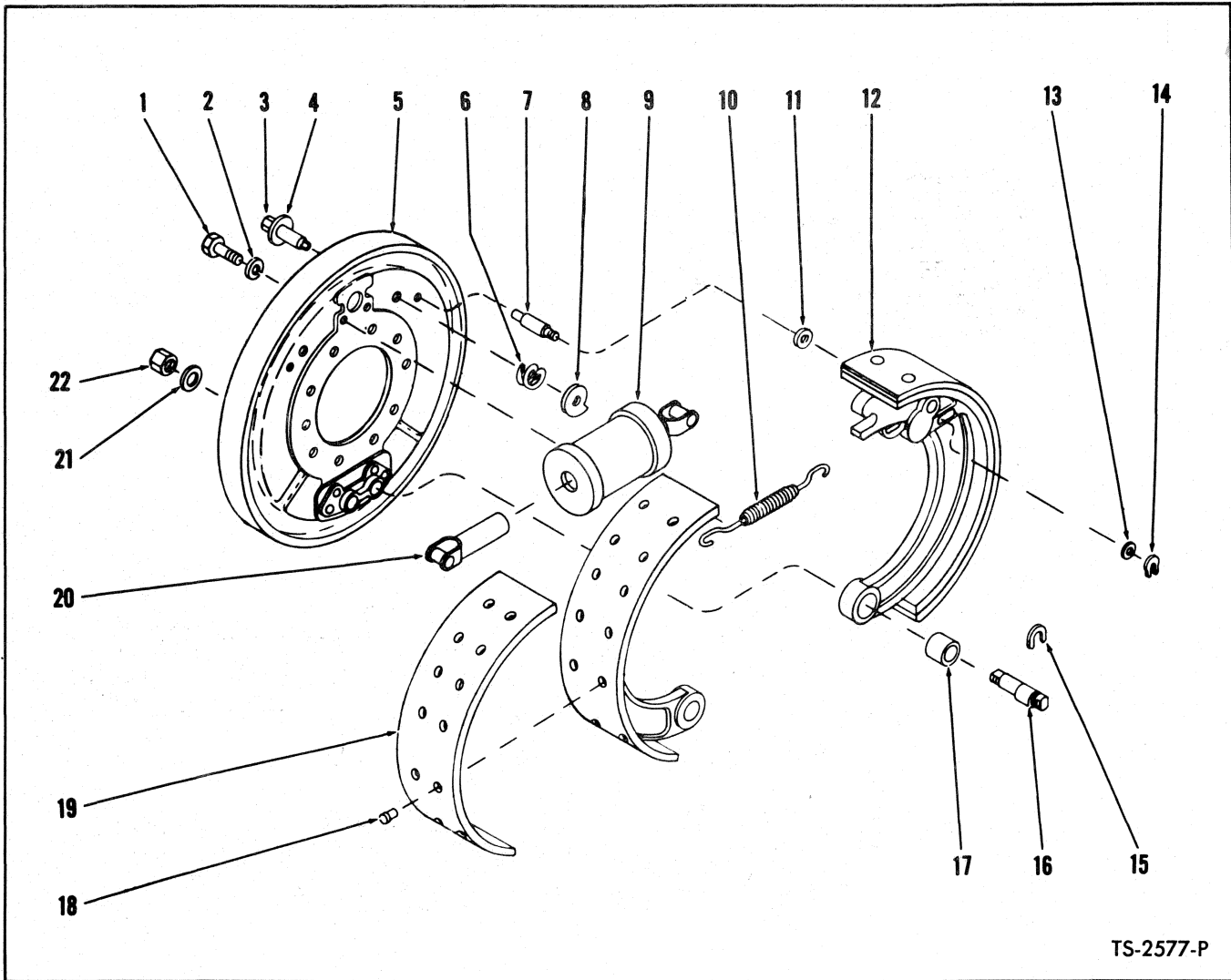


TS-13891

**Axle Planet Carrier Assembly\***

No.	Part No.	Qty.	Description
A	123621	4	Carrier assy
1	123620	3	Washer
2	123618	3	Gear
3	123627	72	Roller
4	123620	3	Washer
5	10J-12	3	Ball
6	123619	3	Shaft
7	230965	3	Ring snap
8	12F-108	3	Plug
9	123623	1	Carrier

\*G.M. 7WG421 & →  
 †Inc. 1→9 Four (4) carriers used on machine. Quantities listed are for one (1) carrier.



TS-2577-P

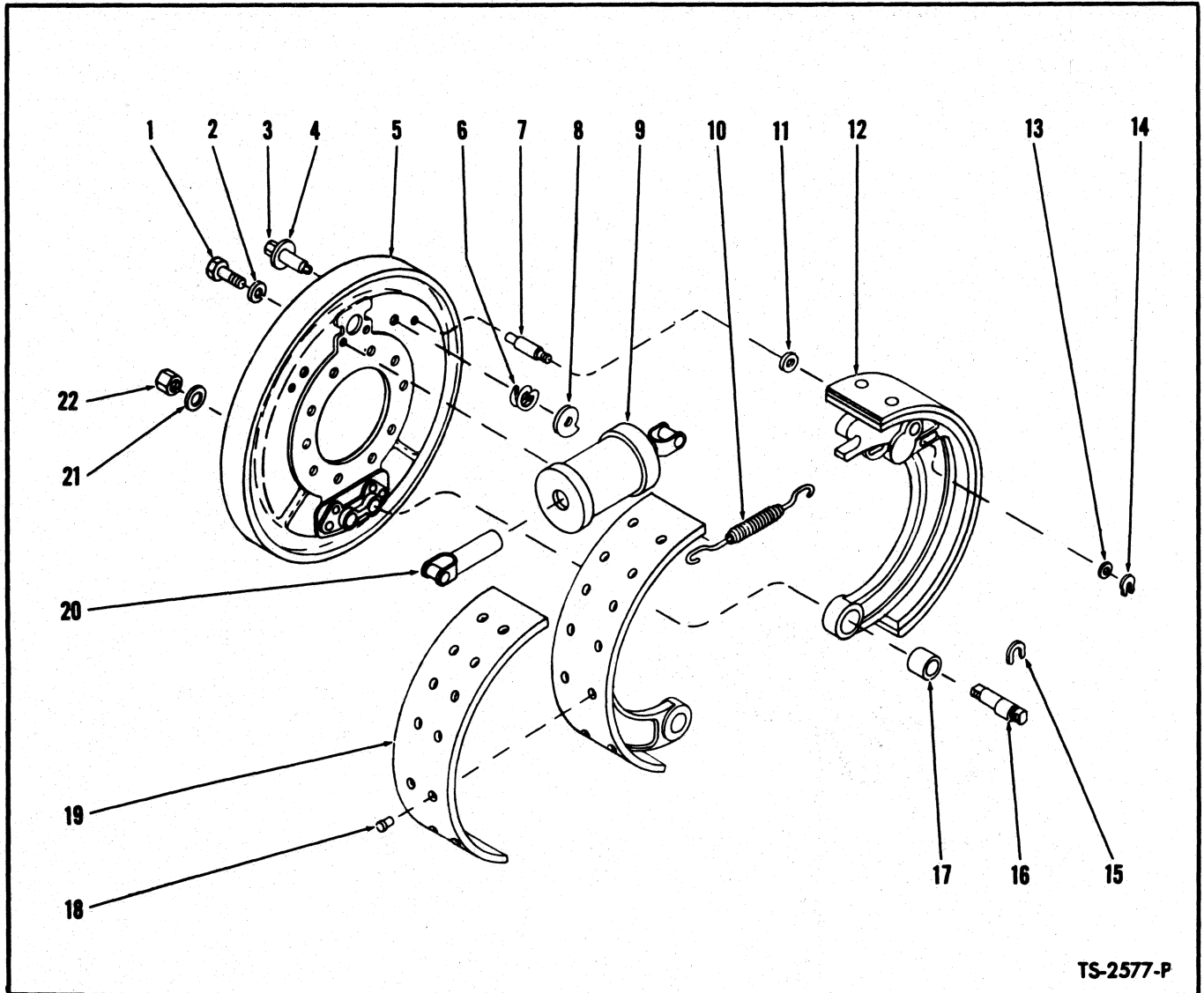
**BRAKE ASSEMBLY – FRONT**

For Serial: G.M. – C5WG9-112 thru C5WG9-999, 7WG101 & →  
Waukesha – C3WA9-10 thru C3WA9-999  
Continental – C3WCO9-157 thru C3WCO9-999

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

†Not Illustrated

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



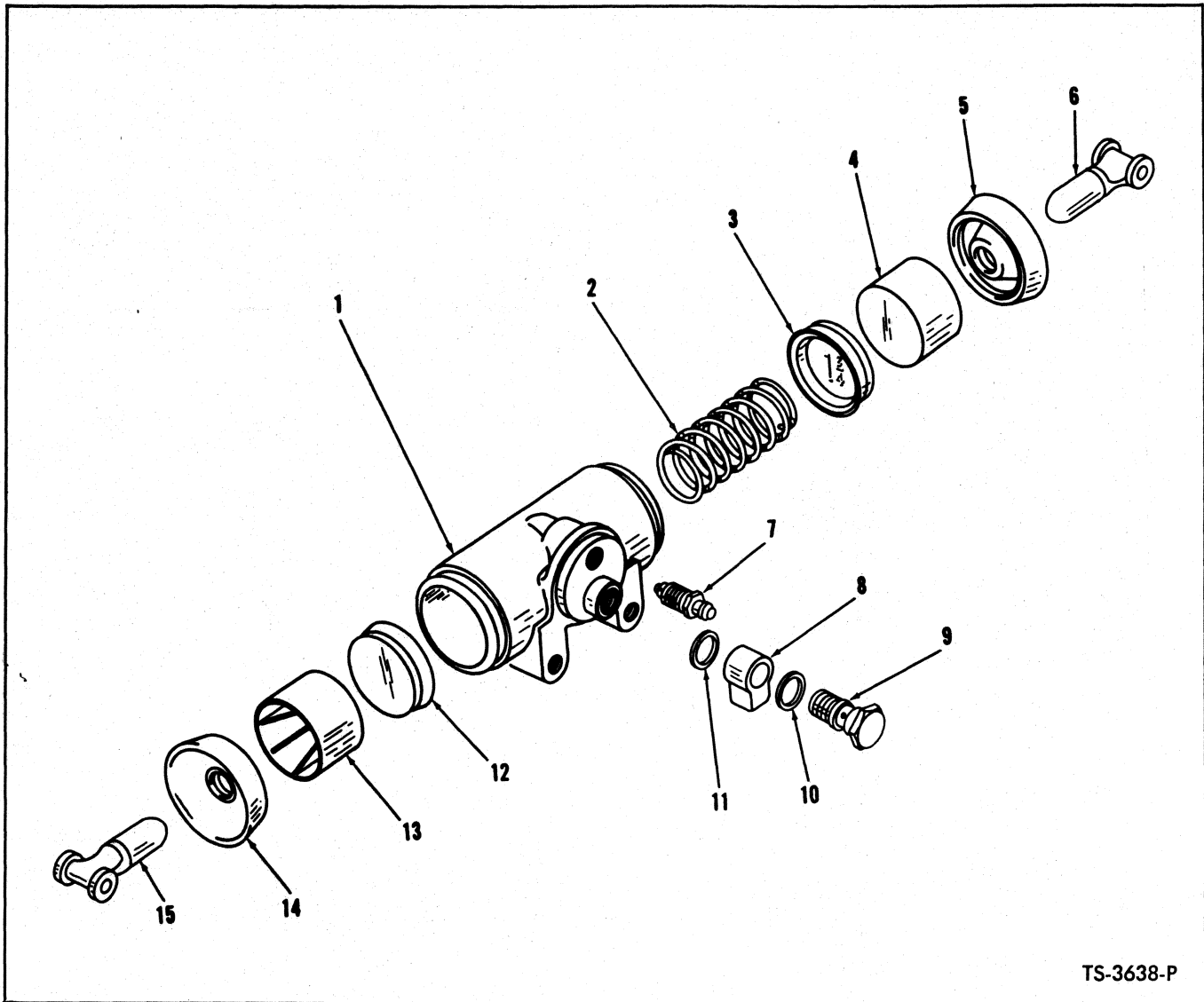
TS-2577-P

**BRAKE ASSEMBLY — REAR**

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

†Not Illustrated

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



TS-3638-P

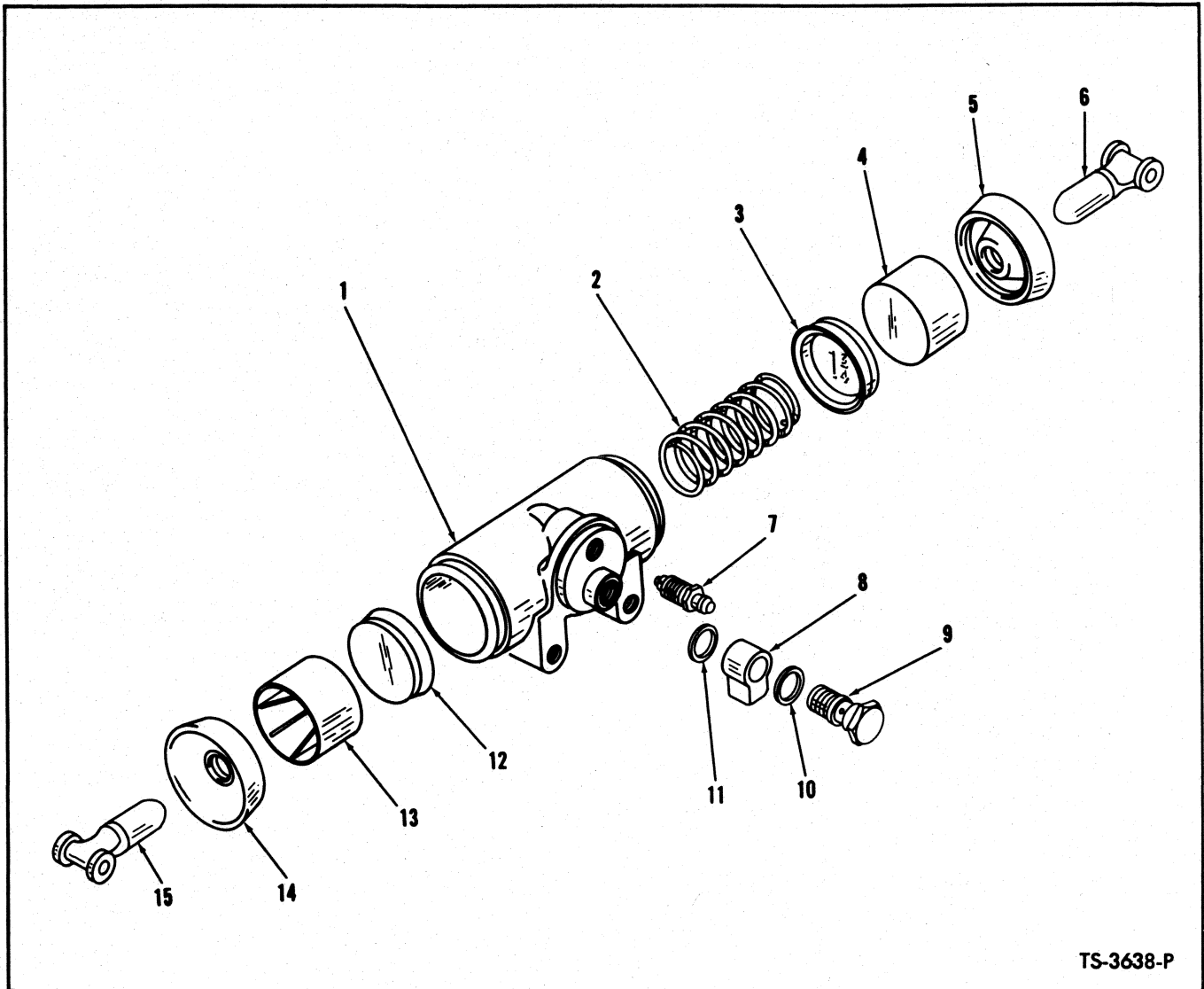
**BRAKE WHEEL CYLINDER — FRONT**

For Serial: G.M. — C5WG9-112 thru C5WG9-999  
 Waukesha — C3WA9-10 thru C3WA9-999  
 Continental — C3WCO9-157 thru C3WCO9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	120427	CYLINDER ASSY (Inc. 1 thru 15)	2	7	208805	BLEEDER	1
B	853405	REPAIR KIT, Cylinder (Inc. 3, 5, 12, 14)	2	8	620235	FITTING, Cylinder	1
<p><b>NOTE: 2 Wheel Cylinders used per axle — Quantities listed below are for 1 Wheel Cylinder.</b></p>				9	692722	BOLT, Fitting	1
1	-----	§BODY, Cylinder — See A	1	10	620238	GASKET, Fitting	1
2	853400	SPRING	1	11	613750	GASKET, Fitting	1
3	-----	§CUP, Cylinder — See B	1	12	-----	§CUP — See B	1
4	-----	§PISTON, Cylinder — See A	1	13	-----	§PISTON — See A	1
5	-----	§BOOT, Cylinder — See B	1	14	-----	§BOOT — See B	1
6	853402	LINK, Push	1	15	853402	LINK, Push	1

§Not Sold Separately

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



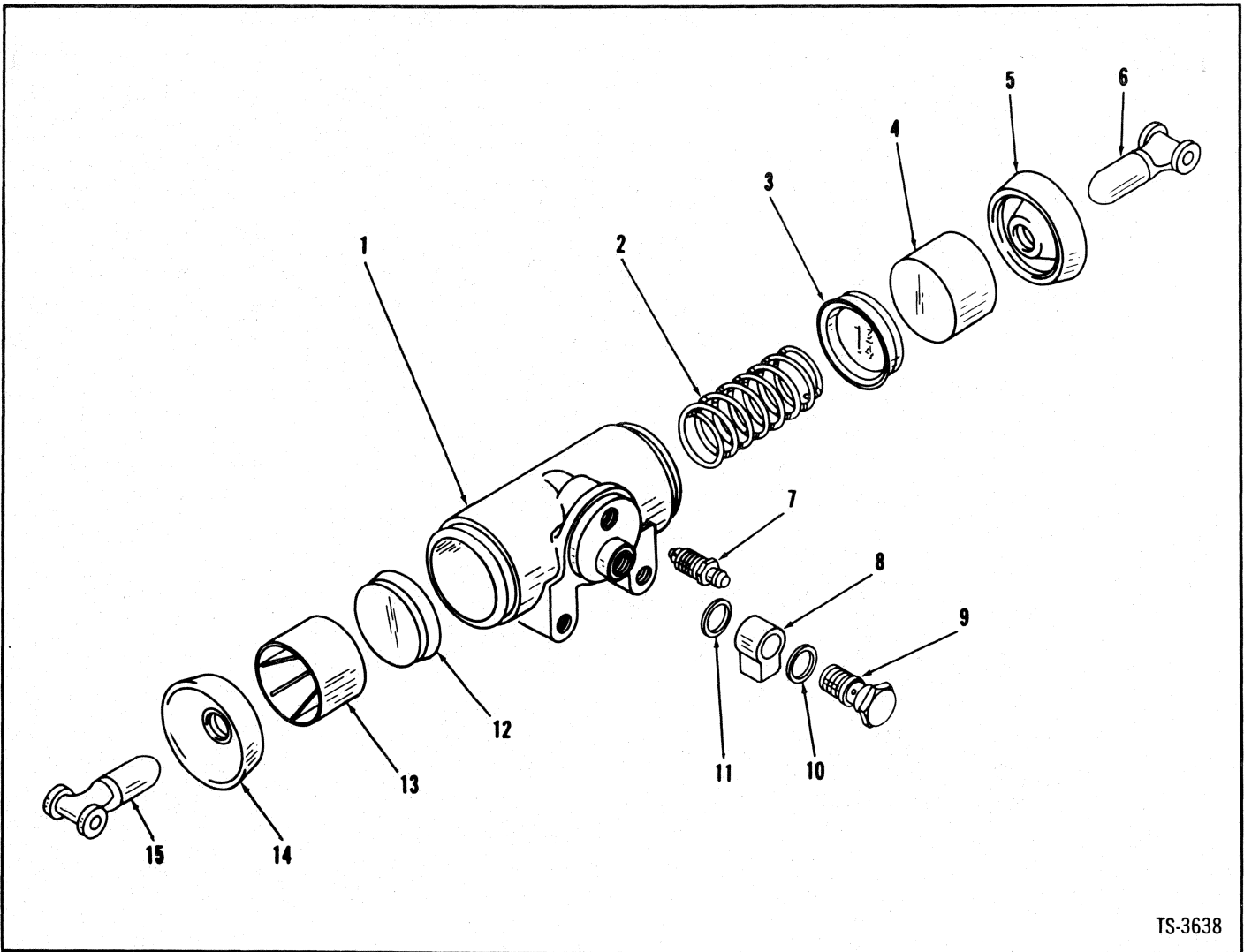
TS-3638-P

**BRAKE WHEEL CYLINDER — REAR**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	120427	CYLINDER ASSY (Inc. 1 thru 15)	2	7	208805	BLEEDER	1
B	853405	REPAIR KIT, Cylinder (Inc. 3, 5, 12, 14)	2	8	620235	FITTING, Cylinder	1
<p><b>NOTE: 2 Wheel Cylinders used per axle — Quantities listed below are for 1 Wheel Cylinder.</b></p>							
1	—	§ BODY, Cylinder — See A	1	9	692722	BOLT, Fitting	1
2	853400	SPRING	1	10	620238	GASKET, Fitting	1
3	—	§ CUP, Cylinder — See B	1	11	613750	GASKET, Fitting	1
4	—	§ PISTON, Cylinder — See A	1	12	—	§ CUP — See B	1
5	—	§ BOOT, Cylinder — See B	1	13	—	§ PISTON — See A	1
6	853402	LINK, Push	1	14	—	§ BOOT — See B	1
				15	853402	LINK, Push	1

§Not Sold Separately

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



TS-3638

**Brake Wheel Cylinder Assembly\***

No.	Part No.	Qty.	Description
A	<sup>1</sup> 124214	4	Cylinder assembly
B	<sup>2</sup> 853405	1	Repair kit
1	<sup>3</sup> _____	1	Housing
2	<sup>8</sup> 53400	1	Spring
3	<sup>4</sup> _____	1	Cup
4	<sup>3</sup> _____	1	Piston
5	<sup>4</sup> _____	1	Boot
6	<sup>8</sup> 53402	1	Link
7	<sup>2</sup> 08805	1	Bleeder
8	<sup>6</sup> 20235	1	Fitting
9	<sup>6</sup> 92722	1	Bolt
10	<sup>6</sup> 20238	1	Gasket
11	<sup>6</sup> 13750	1	Gasket
12	<sup>4</sup> _____	1	Cup
13	<sup>3</sup> _____	1	Piston
14	<sup>4</sup> _____	1	Boot
15	<sup>8</sup> 53402	1	Link

\*G.M. 7WG101 & →

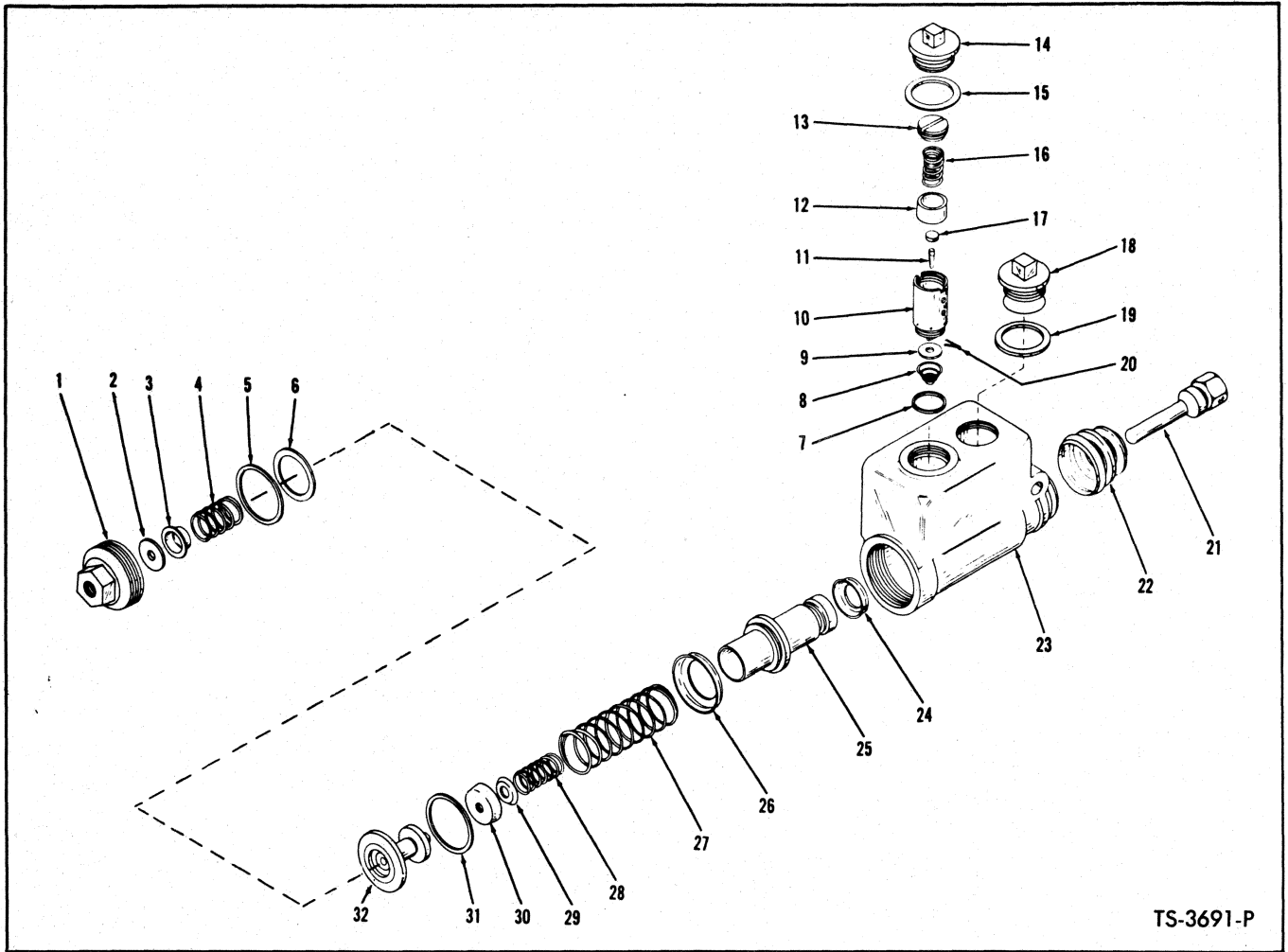
<sup>1</sup>Inc. 1→5, 12→14. Four (4) Wheel Cylinder Assemblies used per machine. Quantities listed are for one (1) Wheel Cylinder Assembly.

<sup>2</sup>Inc. 3, 5, 12, 14

<sup>3</sup>See A

<sup>4</sup>See B





TS-3691-P

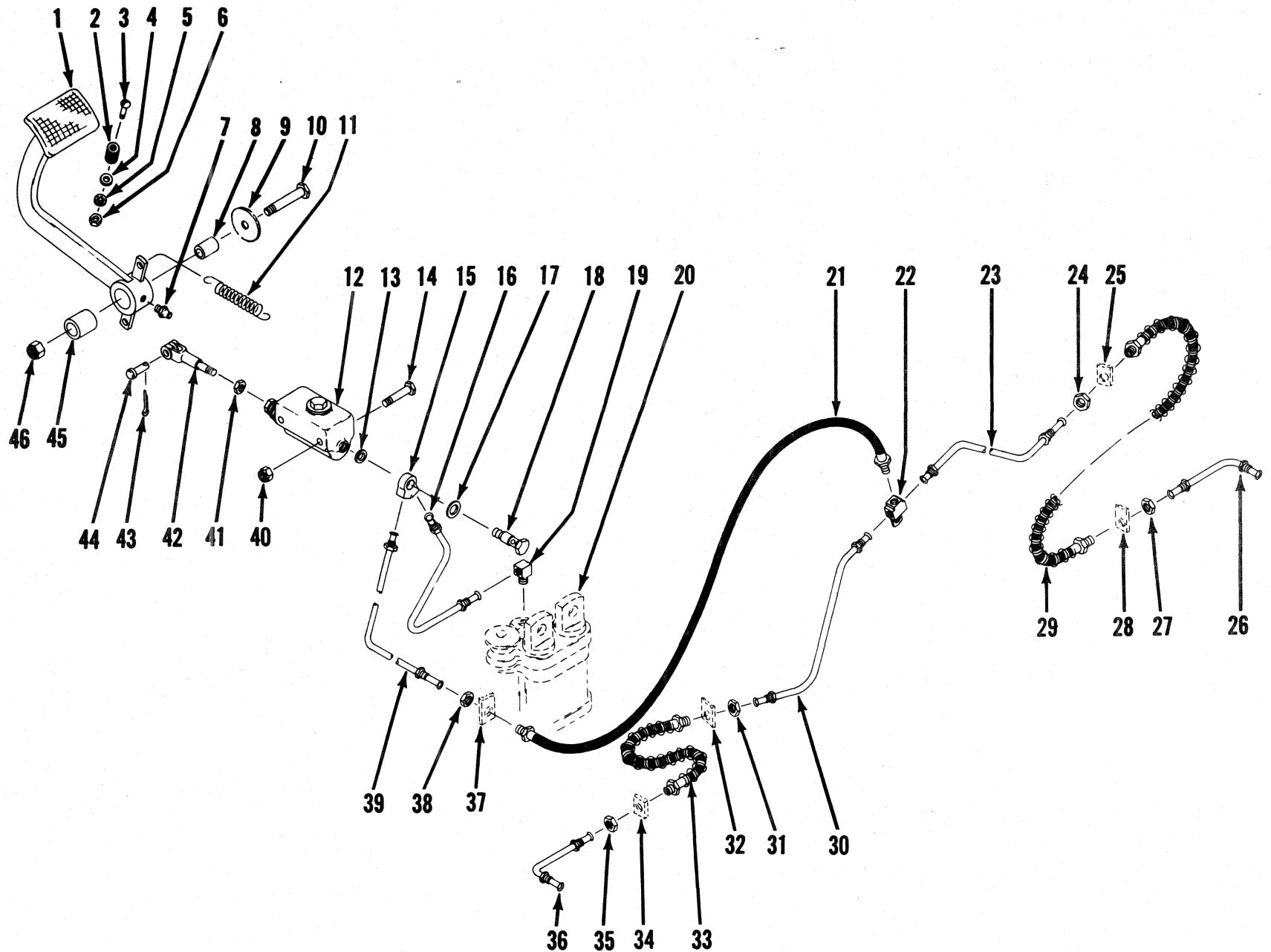
**BRAKE MASTER CYLINDER (Four Wheel Brakes Only)**

For Serial: G.M. — C5WG9-112 thru C5WG9-999  
Waukesha — C3WA9-10 thru C3WA9-999  
Continental — C3WCO9-157 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	552373	MASTER CYL. ASSY (Inc. 1 thru 32)	1	15	857933	GASKET, Plug	1
B	860862	VALVE ASSY, Relief (Inc. 7 thru 13, 16, 17, 20)	1	16	-----	§SPRING, Relief Valve — See "B"	1
C	869449	REPAIR KIT, Cylinder (Inc. 2 thru 9, 15, 19, 20, 22, 24, 26, 29, 30)	1	17	-----	§SEAT, Piston — See "B"	1
1	857922	PLUG	1	18	857944	PLUG, Filler	1
2	857924	SEAT, Valve	1	19	857933	GASKET	1
3	857925	VALVE, Check	1	20	1F-208	COTTER	1
4	868483	SPRING	1	21	868489	ROD, Push	1
5	857923	GASKET	1	22	861692	BOOT	1
6	860859	SEAL	1	23	-----	§HOUSING, Cylinder — See "A"	1
7	-----	§GASKET — See "B"	1	24	861690	CUP, Secondary	1
8	-----	§SPRING — See "B"	1	25	940405	PISTON, Secondary	1
9	-----	§DISC — See "B"	1	26	861689	CUP, Secondary	1
10	-----	§BODY, Relief Valve — See "B"	1	27	868485	SPRING	1
11	-----	§NEEDLE, Metering — See "B"	1	28	861687	SPRING	1
12	-----	§PISTON, Relief Valve — See "B"	1	29	-----	§RETAINER, Cup — See "C"	1
13	-----	§SCREW, Adjustment — See "B"	1	30	940403	CUP, Primary	1
14	857932	PLUG	1	31	857923	GASKET	1
				32	940402	PISTON, Primary	1

§Not Sold Separately

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



BRAKE CONTROLS AND LINES (TWO WHEEL BRAKES)

TS-6965-P

[ 84 ]

(1C9)

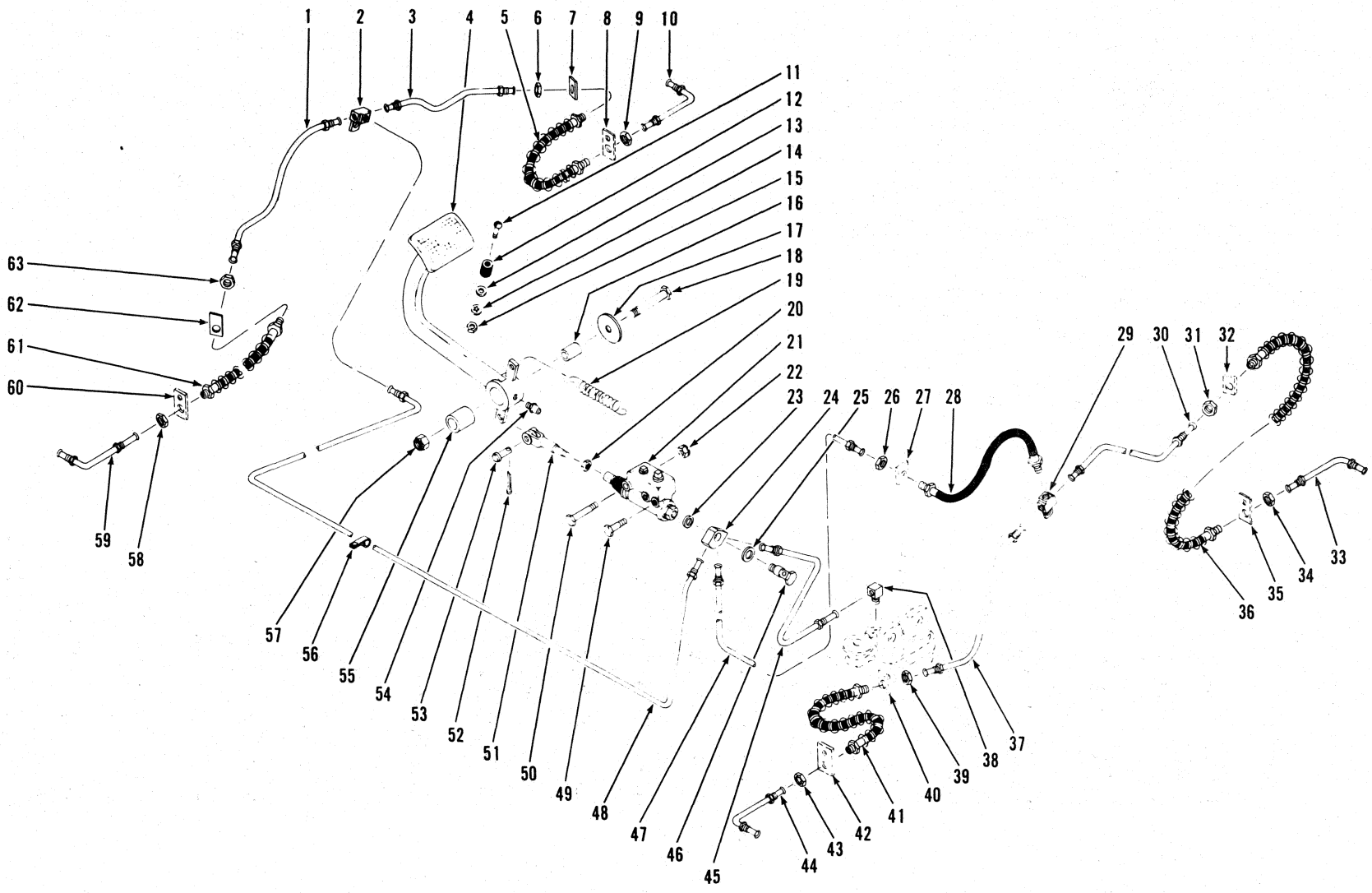
**BRAKE CONTROLS AND LINES (Two Wheel Brakes)**

**For Serial: G.M. — C3WG9-10 thru C3WG9-999 C5WG9-10 thru C5WG9-111  
Continental — C3WCO9-10 thru C3WCO9-156**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585641	PEDAL, Brake .....	1	23	558587	LINE, Tee to Lug — Right Rear .....	1
2	302568	BUMPER, Rubber .....	1	24	8D-10	NUT, Hose to Lug Jam .....	1
3	86G-1010	SCREW, Bumper to Floorboard .....	1	25	-----	LUG, Hose Mount (Welded to Cradle) —	—
4	616775	WASHER, Bumper to Floorboard Screw .....	1	26	536017	LINE, Hose to Wheel Cylinder — R.H. 1	1
5	13E-10	LKWSHR, Bumper to Floorboard Screw .....	1	27	8D-10	NUT, Hose to Lug Jam .....	1
6	14D-10	NUT, Bumper to Floorboard Screw ..	1	28	-----	LUG, (Furnished with Axle) .....	—
7	12H-15	FITTING, Brake Pedal Grease .....	1	29	552374	HOSE, Line to Line .....	1
8	550646	SLEEVE, Brake Pedal .....	1	30	558588	LINE, Tee to Lug — Left Rear .....	1
9	616795	WASHER, Brake Pedal Mounting Bolt	1	31	8D-10	NUT, Hose to Lug Jam .....	1
10	24C-840	BOLT, Brake Pedal Mounting .....	1	32	-----	LUG, Hose Mount (Welded to Cradle) —	—
11	550301	SPRING, Pedal Return .....	1	33	552374	HOSE, Line to Line .....	1
12	550985	MASTER CYLINDER, Brake .....	1	34	-----	LUG (Furnished with Axle) .....	—
12A	858317	†REPAIR KIT, Master Cylinder .....	1	35	8D-10	NUT, Hose to Lug Jam .....	1
13	613750	GASKET, Fitting to Cylinder .....	1	36	536017	LINE, Hose to Wheel Cylinder — L.H. 1	1
14	24C-656	BOLT, Master Cylinder Mounting .....	2	37	-----	LUG (Welded to Frame) .....	—
15	633242	FITTING, Master Cylinder .....	1	38	8D-10	NUT, Hose to Lug Jam .....	1
16	585991	LINE, Master Cylinder to Transmission	1	39	585992	LINE, Master Cylinder to Lug .....	1
17	620238	GASKET, Bolt to Fitting .....	1	40	18D-06	NUT, Master Cylinder Mounting Bolt ..	2
18	692722	BOLT, Fitting to Master Cylinder .....	1	41	8D-07	NUT, Clevis Jam .....	1
19	62F-3	ELBOW, Line to Valve .....	1	42	552377	CLEVIS, Pedal to Master Cylinder .....	1
20	-----	VALVE, Transmission Control (See Index) .....	—	43	1F-412	COTTER, Clevis Pin .....	1
21	550324	HOSE, Lug to Rear Axle Tee .....	1	44	4F-08127	PIN, Clevis .....	1
22	114427	TEE, Brake Line — Furnished with Axle	1	45	526767	BUSHING, Brake Pedal .....	1
				46	18D-08	NUT, Brake Pedal Mounting Bolt .....	1

†Not Illustrated

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



BRAKE CONTROLS AND LINES (FOUR WHEEL BRAKES)

TS-6974-P

[ 86 ]

(1C11)

**BRAKE CONTROLS & LINES (Four Wheel Brakes)**

For Serial: G.M. — C5WG9-112 thru 7WG415  
Waukesha — C3WA9-10 thru C3WA9-999  
Continental — C3WCO9-157 thru C3WCO9-999

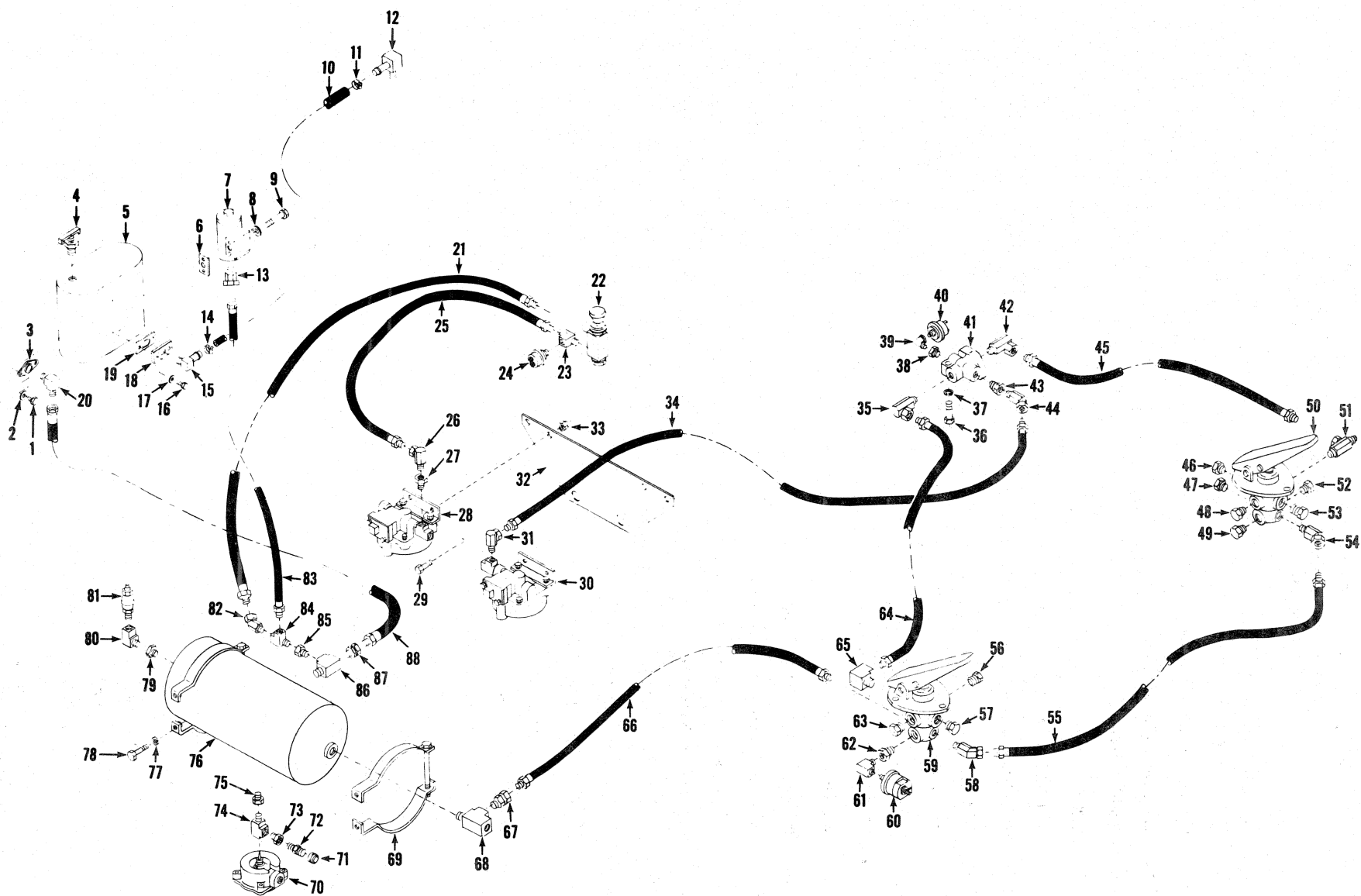
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	586891	LINE, Tee to Hose — L.H. ....	1	34	8D-10	NUT, Hose to Lug .....	1
2	117338	TEE, Line to Line (Furnished with Axle) ..	1	35	550325	CLIP .....	1
3	586892	LINE, Tee to Hose — R.H. ....	1	36	552374	HOSE, Line to Line .....	1
4	585641	PEDAL, Brake .....	1	37	558588	LINE, Tee to Hose .....	1
5	552374	HOSE, Line to Line .....	1	38	62F-3	ELBOW, Line to Trans. Control Valve ..	1
6	8D-10	NUT, Hose to Lug .....	1	39	8D-10	NUT, Hose to Lug .....	1
7	550496	LUG (Welded to Frame) .....	1	40	—	§LUG (Part of Cradle) .....	—
8	550325	CLIP .....	1	41	552374	HOSE, Line to Line .....	1
9	8D-10	NUT, Hose to Lug .....	1	42	550325	CLIP .....	1
10	536017	LINE, Hose to Wheel Cylinder — R.H. ...	1	43	8D-10	NUT, Hose to Lug .....	1
11	86G-1010	SCREW, Bumper to Floor .....	1	44	536017	LINE, Hose to Wheel Cylinder — L.H. ...	1
12	302568	BUMPER, Rubber .....	1	45	585991	*LINE, Control Valve to Master Cylinder	1
13	616775	WASHER, Brake Pedal Bumper .....	1	46	692722	BOLT, Fitting to Master Cylinder .....	1
14	13E-10	LKWSHR, Bumper to Floorboard .....	1	47	585992	LINE, Master Cylinder to Lug .....	1
15	14D-10	NUT, Bumper to Floorboard .....	1	48	586871	LINE, Master Cylinder to Front Axle ...	1
16	550646	SLEEVE, Brake Pedal .....	1	49	23C-614	BOLT, Master Cylinder Attaching .....	1
17	616795	WASHER, Brake Pedal .....	1	49A	4E-06	†LKWSHR, Master Cylinder Attaching ...	1
18	24C-840	BOLT, Brake Pedal Attaching .....	1	50	24C-760	BOLT, Master Cylinder Attaching .....	1
19	550301	SPRING, Pedal Return .....	1	51	552377	CLEVIS, Master Cylinder .....	1
20	8D-07	NUT, Clevis Jam .....	1	52	1F-412	COTTER, Clevis Pin .....	1
21	—	MASTER CYLINDER — See Index .....	—	53	4F-08127	PIN, Clevis .....	1
22	18D-07	NUT, Master Cylinder Attaching .....	1	54	12H-15	FITTING, Brake Pedal Grease .....	1
23	613750	GASKET, Master Cylinder .....	1	55	526767	BUSHING, Brake Pedal .....	1
24	552264	FITTING, Master Cylinder to Lines ...	1	56	6H-6	CLIP, Line to Frame .....	1
24A	620313	†SWITCH, Stop Light .....	1	56A	24C-822	BOLT, Clip to Frame .....	1
25	620238	GASKET, Fitting .....	1	56B	18D-08	NUT, Clip to Frame .....	1
26	8D-10	NUT, Hose to Lug .....	1	57	18D-08	NUT, Brake Pedal Mounting .....	1
27	—	§LUG (Part of Frame) .....	—	58	8D-10	NUT, Hose to Lug .....	1
28	550324	HOSE, Tee to Line .....	1	59	536017	LINE, Hose to Wheel Cylinder .....	1
29	114427	TEE, Brake Lines .....	1	60	550325	CLIP .....	1
30	558587	LINE, Tee to Hose .....	1	61	552374	HOSE, Line to Line .....	1
31	8D-10	NUT, Hose to Lug .....	1	62	550496	LUG (Welded to Frame) .....	1
32	—	§LUG (Part of Cradle) .....	—	63	8D-10	NUT, Hose to Lug .....	1
33	536017	LINE, Hose to Wheel Cylinder — R.H. ...	1				

§Not Sold Separately

†Not Illustrated

\*NOTE: For replacement of 585991 Line use 1504046 Hose.

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



[ 88 ]

(1C13)

PM 2988  
Printed in U.S.A.

TS-13898

**Brake Air Lines - Section A  
Serial G.M. 7WG416 & After**

No.	Part No.	Qty.	Description	No.	Part No.	Qty.	Description
1	23C-514	2	Bolt	46	40K-08	1	Plug
2	4E-05	2	Lockwasher	47	40K-08	1	Plug
3	510452	1	Flange	48	40K-08	1	Plug
4	72F-3	1	Draincock	49	40K-04	2	Plug
5	-----	—	Air compressor	50	<sup>5</sup> 945996	1	Air brake valve kit
6	942646	1	Gasket	51	31F-4	1	Adapter union
7	540306	1	Governor	52	40K-04	1	Plug
8	4E-05	2	Lockwasher	53	40K-08	1	Plug
9	23C-544	2	Bolt	54	29F-3	1	Elbow
10	1516230	1	Hose	55	1513323	1	Hose
11	1545186	1	Clamp	56	40K-08	1	Plug
12	666845	1	Nipple	57	40K-08	1	Plug
13	33F-1	1	Adapter union	58	33F-4	1	Adapter union
14	1545186	1	Clamp	59	945996	1	Valve brake
15	666845	1	Elbow	60	1534135	1	Sender air press
16	23C-514	2	Bolt	61	26F-1	1	Elbow
17	4E-05	2	Lockwasher	62	19F-1	1	Bushing
18	-----	1	Flange	63	40K-08	1	Plug
19	875012	1	Gasket	64	592783	1	Hose
20	42F-9	1	Elbow	65	29F-3	1	Elbow
21	543697	1	Hose	66	1513323	1	Hose
22	1545790	1	Valve hand brake	67	36F-4	1	Adapter union
23	1549038	1	Tee	68	<sup>3</sup> -----	—	Tee
24	1537354	1	Switch pressure	69	1515848	2	Bracket
25	1527928	1	Hose	70	1505580	1	Valve drain
26	31F-1	1	Elbow	71	-----	—	Omit
27	19F-1	1	Bushing	72	2515022	1	Tank valve assy
28	1545789	1	Valve relay	73	19F-1	1	Bushing
29	24C-620	4	Bolt	74	30F-1	1	Tee
30	1545789	1	Valve relay	75	19F-5	1	Bushing
31	31F-2	1	Adapter union	76	540707	1	Air reservoir
32	1516112	1	Bracket	77	4E-06	4	Lockwasher
33	18D-06	4	Nut	78	24C-620	4	Bolt
34	564637	1	Hose	79	19F-5	1	Bushing
35	31F-4	1	Adapter union	80	29F-1	1	Elbow
36	24C-644	1	Bolt	81	<sup>**4</sup> 507815	1	Valve safety
37	4E-06	1	Lockwasher	82	33F-1	1	Adapter union
38	19F-4	1	Bushing	83	543697	1	Hose
39	26F-1	1	Elbow	83A	†30H-14	1	Clip
40	636260	1	Switch stoplight	84	1549038	1	Tee
41	<sup>**2</sup> 1532592	1	Valve check	85	19F-4	1	Bushing
42	31F-4	1	Adapter union	86	30F-3	1	Tee
43	19F-6	1	Bushing	87	36F-4	1	Adapter union
44	33F-3	1	Adapter union	88	1545160	1	Hose
45	592742	1	Hose				

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

<sup>1</sup>See Index

<sup>2</sup>BW #223869

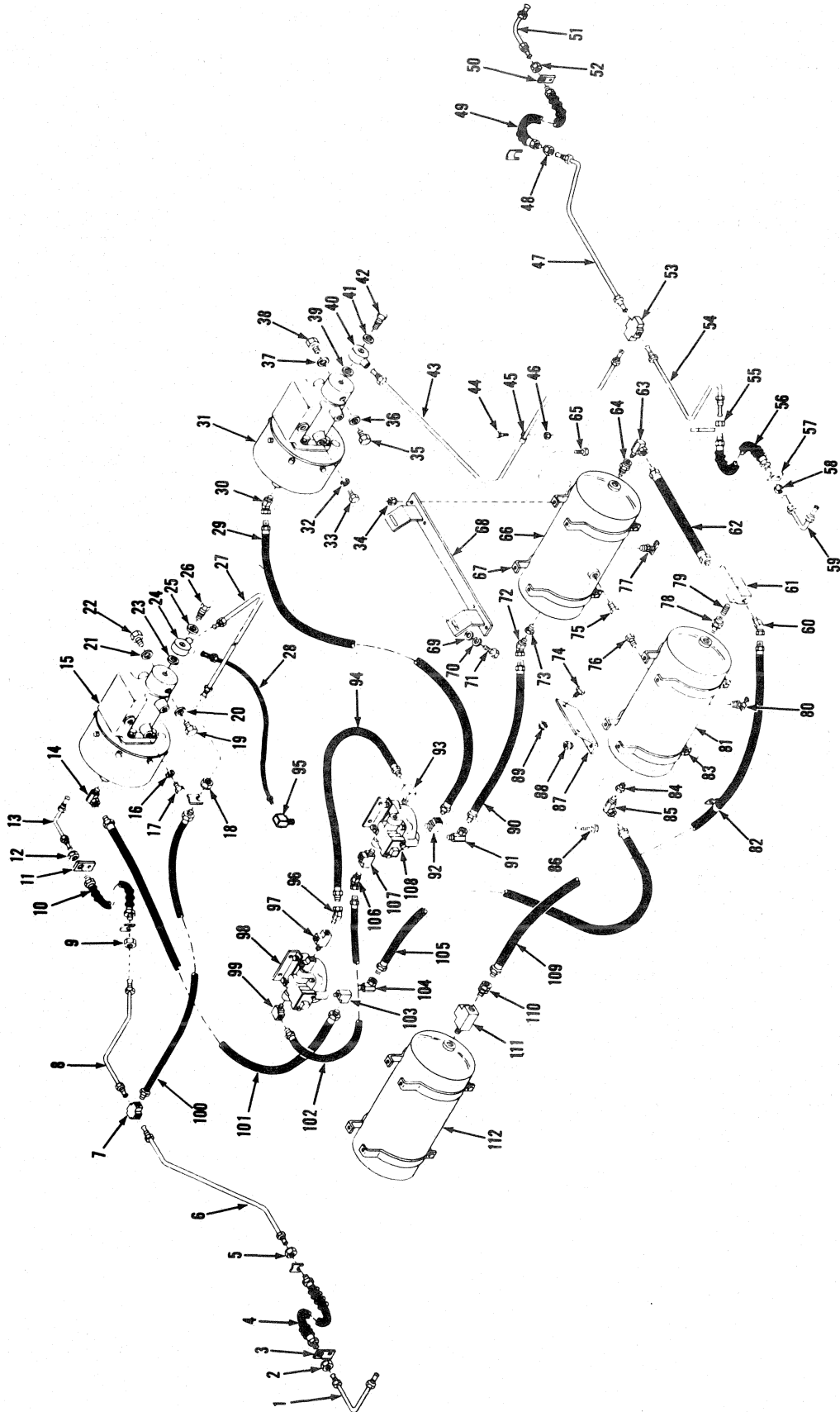
<sup>3</sup>See Section B

<sup>4</sup>BW #205105

<sup>5</sup>See Index

†Not Illustrated

TS-13610



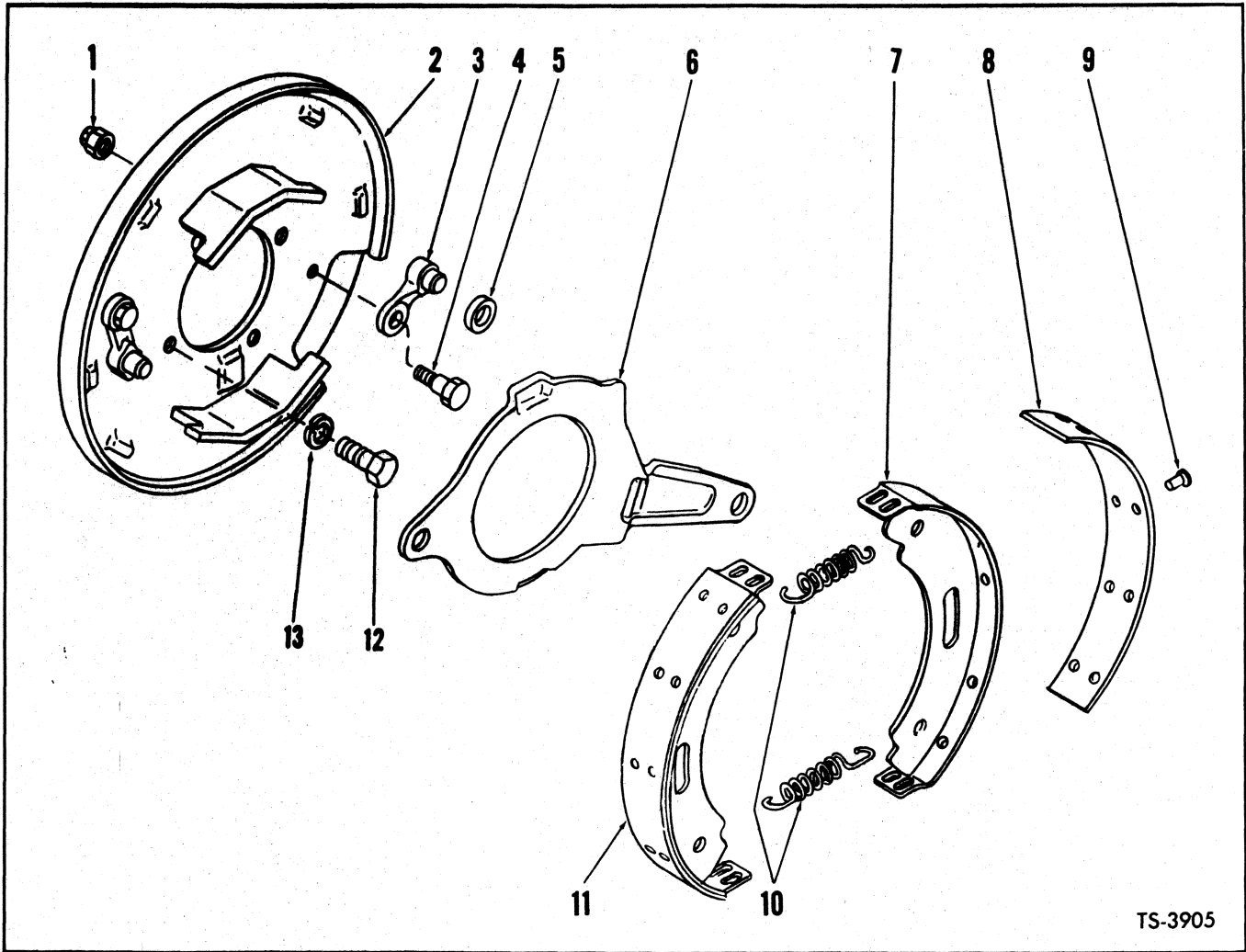


**Brake Air Lines - Section B  
Serial G.M. 7WG416 & After**

No.	Part No.	Qty.	Description
1	536017	1	Tube
2	8D-10	1	Nut
3	<sup>2</sup> 550325	1	Clip
4	552374	1	Hose
5	8D-10	1	Nut
6	558587	1	Tube
7	<sup>3</sup> 114427	1	Tee
8	558588	1	Tube
9	8D-10	1	Nut
10	552374	1	Hose
11	<sup>2</sup> 550325	1	Clip
12	8D-10	1	Nut
13	536017	1	Tube
14	31F-3	1	Adapter union
15	526879	1	Pwr clr assy brk
16	4E-07	3	Lockwasher
17	24C-716	3	Bolt
18	8D-10	1	Nut
19	874007	1	Plug
20	613750	1	Gasket
21	613750	1	Gasket
22	874007	1	Plug
23	620238	1	Gasket
24	633242	1	Fitting
25	613750	1	Gasket
26	692722	1	Bolt
27	1516135	1	Tube
28	1504046	1	Hose
29	564637	1	Hose
30	33F-3	1	Adapter union
31	526879	1	Pwr clr assy brk
32	4E-07	3	Lockwasher
33	24C-716	3	Bolt
34	18D-06	4	Nut
35	874007	1	Plug
36	613750	1	Gasket
37	613750	1	Gasket
38	874007	1	Plug
39	620238	1	Gasket
40	620235	1	Fitting
41	613750	1	Gasket
42	692722	1	Bolt
43	1516131	1	Tube
44	24C-616	1	Bolt
45	30H-16	1	Clip
46	18D-06	1	Nut
47	1516130	1	Tube
48	8D-10	1	Nut
49	552374	1	Hose
50	<sup>2</sup> 550325	1	Clip
51	536017	1	Tube
52	8D-10	1	Nut
53	<sup>3</sup> 550320	1	Tee
54	1516129	1	Tube
55	8D-10	1	Nut
56	552374	1	Hose

No.	Part No.	Qty.	Description
57	<sup>2</sup> 550325	1	Clip
58	8D-10	1	Nut
59	536017	1	Tube
60	33F-4	1	Adapter union
61	28F-3	1	Tee
62	592742	1	Hose
63	31F-4	1	Adapter union
64	593370	1	Valve check
65	24C-620	4	Bolt
66	540707	1	Air reservoir
67	941214	2	Bracket
68	1516114	1	Bracket
69	25E-18	2	Washer
70	4E-06	2	Lockwasher
71	24C-616	2	Bolt
72	33F-3	1	Adapter union
73	19F-6	1	Bushing
74	24C-624	4	Bolt
75	40K-08	1	Plug
76	40K-08	1	Plug
77	72F-4	1	Draincock
78	593370	1	Valve check
79	5K-409	1	Nipple
80	72F-4	1	Draincock
81	540707	1	Air reservoir
82	30H-48	1	Clip
83	941214	2	Bracket
84	19F-6	1	Bushing
85	31F-3	1	Adapter union
86	24C-620	4	Bolt
87	1516117	2	Bracket
88	18D-06	4	Nut
89	18D-06	4	Nut
90	594113	1	Hose
91	31F-3	1	Adapter union
92	29F-1	1	Elbow
93	29F-1	1	Elbow
94	593495	1	Hose
95	62F-3	1	Elbow
96	33F-2	1	Adapter union
97	30F-1	1	Tee
98	<sup>4</sup> _____	1	Valve relay
99	29F-1	1	Elbow
100	550324	1	Hose
101	564637	1	Hose
102	593495	1	Hose
103	29F-1	1	Elbow
104	31F-3	1	Adapter union
105	564669	1	Hose
106	33F-2	1	Adapter union
107	30F-1	1	Tee
108	<sup>4</sup> _____	1	Valve relay
109	564645	1	Hose
110	36F-4	1	Adapter union
111	30F-3	1	Tee
112	<sup>4</sup> _____	1	Air reservoir

<sup>1</sup>See Index  
<sup>2</sup>Mounted on Axle  
<sup>3</sup>Furnished with Axle  
<sup>4</sup>See Section A



TS-3905

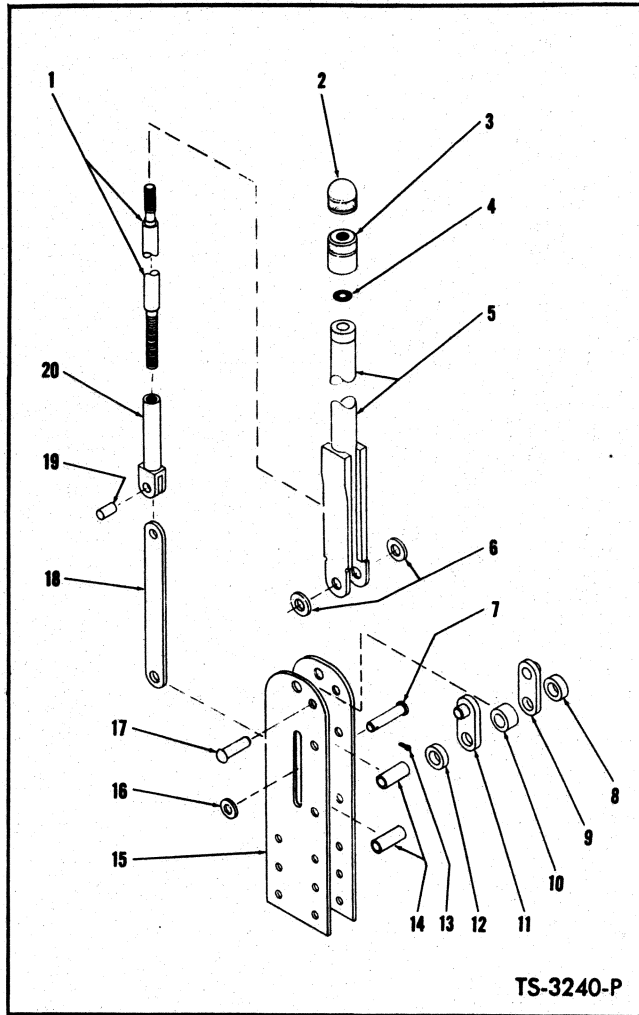
**PARKING BRAKE ASSEMBLY**

Item No.	Part No.	Description	No. Req'd.
A	215159	BRAKE ASSY (Inc. 1 thru 13)	1
1	43D-06	NUT, Pawl to Plate	2
2	801217	PLATE ASSY, Brake Backing (Inc. 1, 3, 4, 5)	1
3	801213	PAWL KIT, Brake (Inc. 1, 4, 5)	2
4	886718	BOLT, Pawl to Plate	2
5	801215	ROLLER, Brake Actuating	1
6	801216	LEVER, Operating Cam	1
7	-----	§SHOE, Brake - See 11	—
8	801214	LINING KIT, Brake (Inc. 9)	1
9	23H-504	RIVET, Lining to Shoe	20
10	801193	SPRING, Shoe Return	2
11	801192	SHOE ASSY, Brake (Inc. 7, 8, 9)	2
12	1C-916	BOLT, Brake Mounting	4
13	4E-09	LKWSHR, Brake Mounting	4

§Not Sold Separately

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

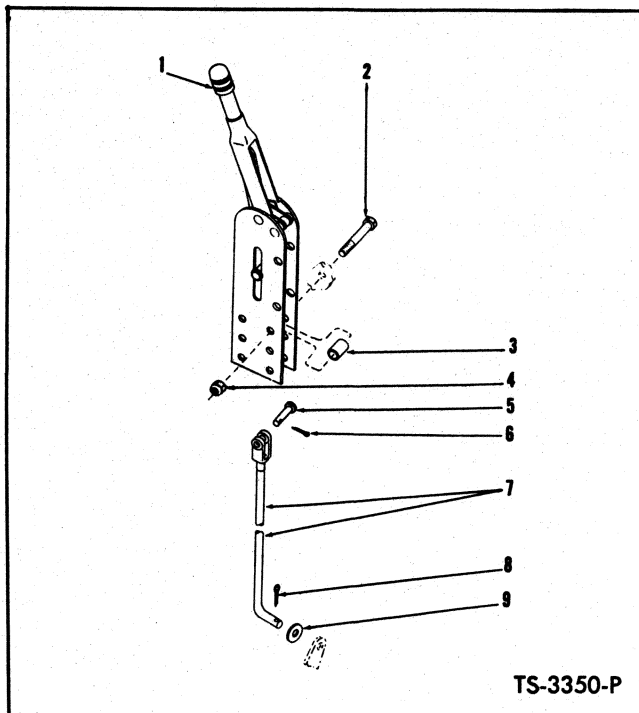
**PARKING BRAKE LEVER ASSEMBLY\***



Item No.	Part No.	Description	No. Req'd.
A	3951954	LEVER ASSY (Inc. 1 thru 20)	1
1	866349	SCREW, Adjusting	1
2	949370	CAP, Adjusting Knob	1
3	---	§BASE, Adjusting Knob	1
4	---	OMIT	—
5	---	§BODY, Brake Lever - See A	1
6	25E-18	WASHER, Body to Bracket	2
7	862738	PIN, Adjusting Screw Link Pivot	1
8	862656	SPACER, Pivot Bracket	1
9	862653	BRACKET, Pivot	1
10	862655	SPACER, Pivot Bracket	1
11	862653	BRACKET, Pivot	1
12	862656	SPACER, Pivot Bracket	1
13	1F-312	COTTER, Link Pivot Pin	1
14	645095	SPACER, Mounting Bracket	2
15	944969	BRACKET, Lever Mounting	2
16	25E-15	WASHER, Link Pivot Pin	1
17	---	§RIVET, Pivot Bracket - See A	1
18	862652	LINK, Adjusting Screw	1
19	941238	PIN, Link to Tube	1
20	---	§TUBE, Adjusting Screw - See A	1

§Not Sold Separately

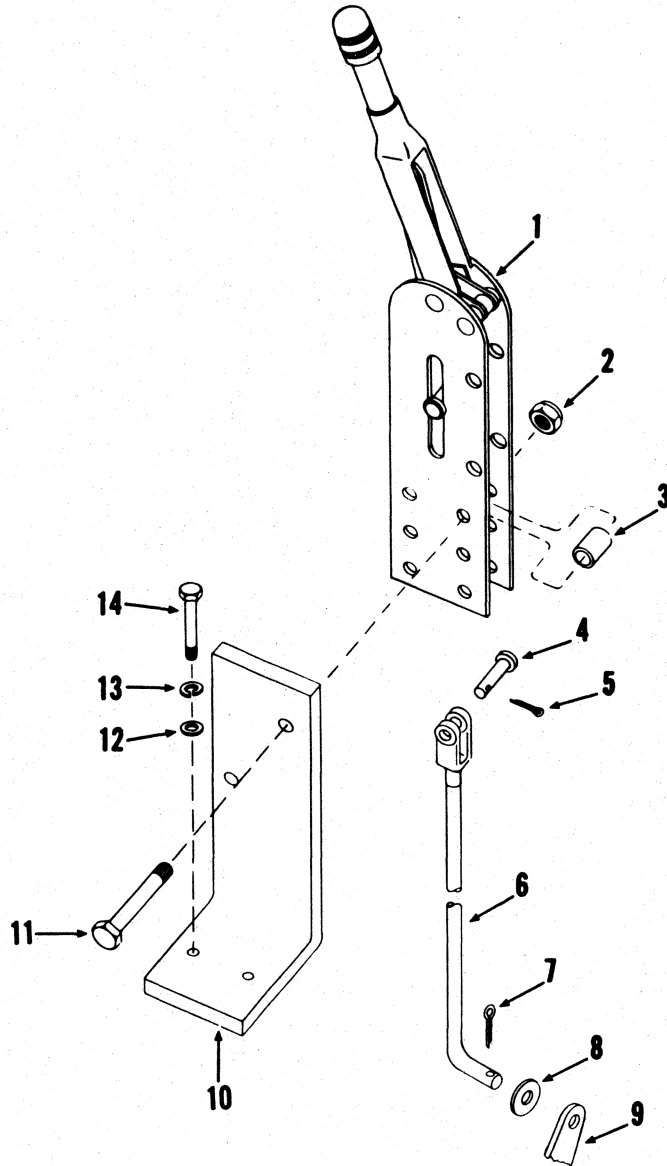
**PARKING BRAKE CONTROLS\***



Item No.	Part No.	Description	No. Req'd.
1	---	LEVER, Parking Brake	1
2	24C-532	BOLT, Parking Brake Mounting	2
3	545005	SPACER, Parking Brake	2
4	18D-05	NUT, Parking Brake Mounting	2
5	4F-05062	PIN, Rod to Lever	1
6	1F-312	COTTER, Clevis Pin	1
7	585761	ROD, Parking Brake	1
8	1F-312	COTTER, Parking Brake Rod	1
9	25E-17	WASHER, Parking Brake Rod	1

\*G.M. C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-999, 7WG101 thru 7WG345; Waukesha C3WA9-10 thru C3WA9-999; Continental C3WCO9-10 thru C3WCO9-999.

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

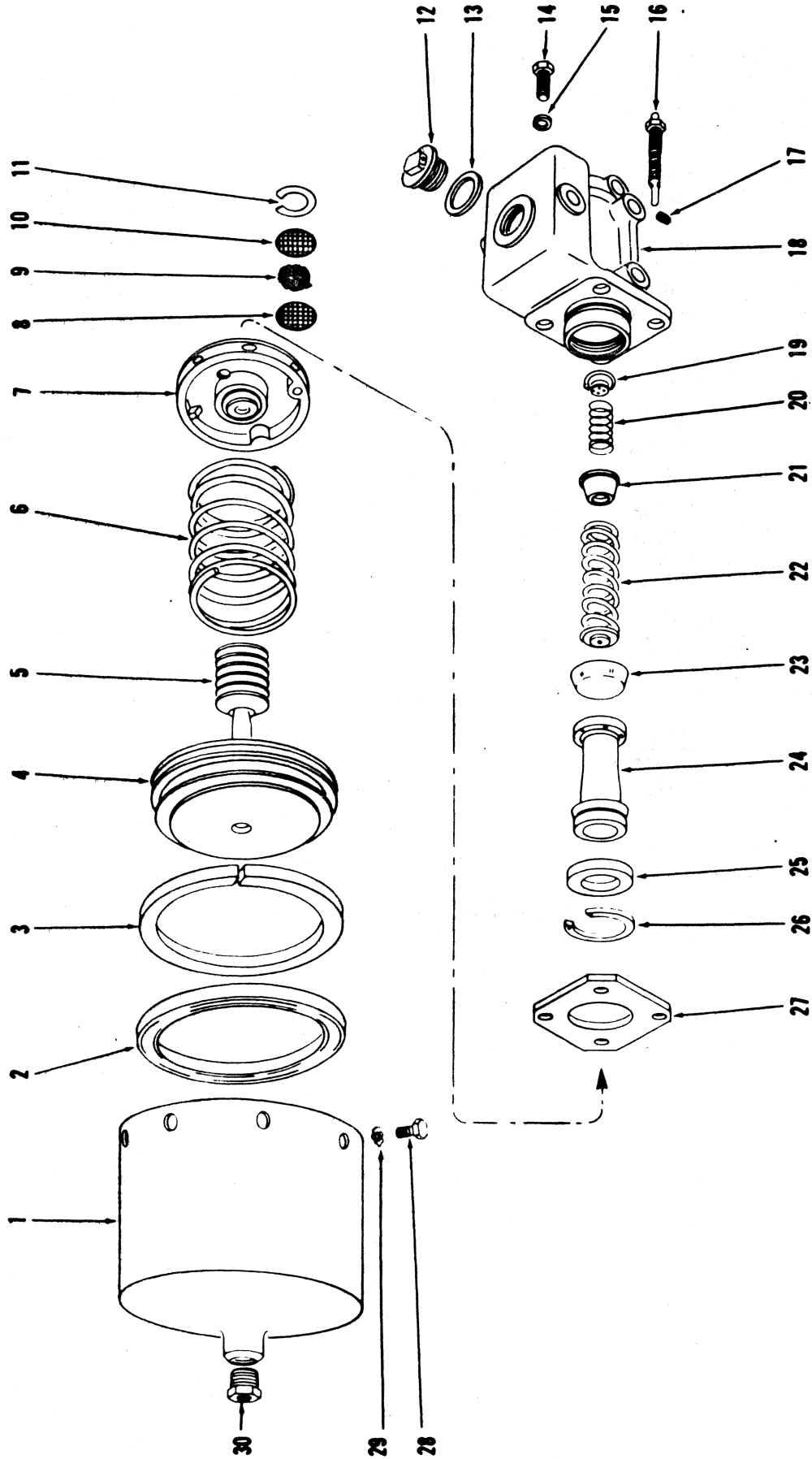


TS-11917

**Brake Controls, Parking\***

No.	Part No.	Qty.	Description
1	3951954	1	Hand lever assy
2	18D-05	2	Nut
3	545005	2	Spacer
4	4F-05062	2	Pin
5	1F-312	1	Pin cotter
6	1516159	1	Rod
7	1F-312	1	Pin cotter
8	25E-17	1	Washer
9	_____	1	Brake assy
10	1516133	1	Bracket
11	24C-532	2	Bolt
12	25E-17	2	Washer
13	4E-06	2	Lockwasher
14	24C-616	2	Bolt

\*G.M. 7WG346 & →



[83A.1]

(1C21)

# Brake Power Cluster Assembly\*



No.	Part No.	Qty.	Description
A	<sup>1</sup> 526879	2	Pwr clsr assy brk
B	<sup>2</sup> 945041	1	Repair kit
1	945034	1	Shell
2	§ <sup>3</sup> _____	1	Cup
3	§ <sup>3</sup> _____	1	Wiper
4	§ <sup>3</sup> 945035	4	Piston
5	§ <sup>3</sup> _____	1	Boot
6	945036	1	Spring
7	<sup>4</sup> 945037	1	Piston head assy
8	945029	1	Screen
9	992163	1	Filter fiber mat
10	945029	1	Screen
11	992164	1	Ring
12	892287	1	Cap
13	857933	1	Gasket
14	1C-624	3	Bolt
15	4E-06	4	Lockwasher
16	945038	1	Indicator
17	10F-02	1	Plug
18	947740	1	Housing
19	§ <sup>3</sup> _____	1	Valve check
20	945026	1	Spring
21	945042	1	Retainer
22	955321	1	Spring
23	§ <sup>3</sup> _____	1	Cup
24	§ <sup>3</sup> _____	1	Piston
25	955326	1	Plate
26	955323	1	Ring
27	945040	1	Plate
28	1C-510	8	Bolt
29	6E-05	8	Lockwasher
30	356612	1	Bushing

\*G.M. 7WG346 & →

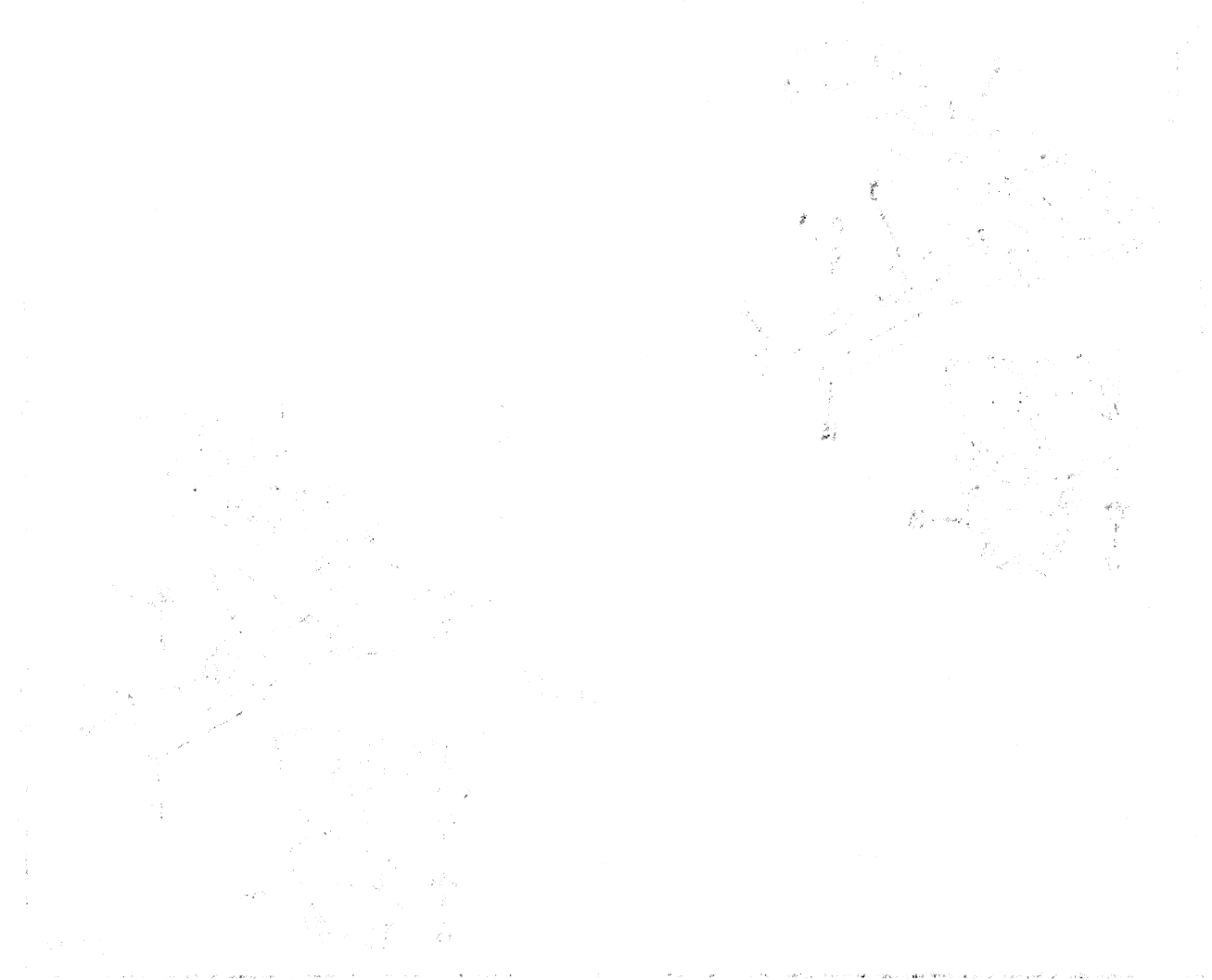
<sup>1</sup>Inc. 1→30

<sup>2</sup>Inc. 2, 3, 5, 19, 23, 24

<sup>3</sup>See, Voir, Siehe, Veja, Véase B

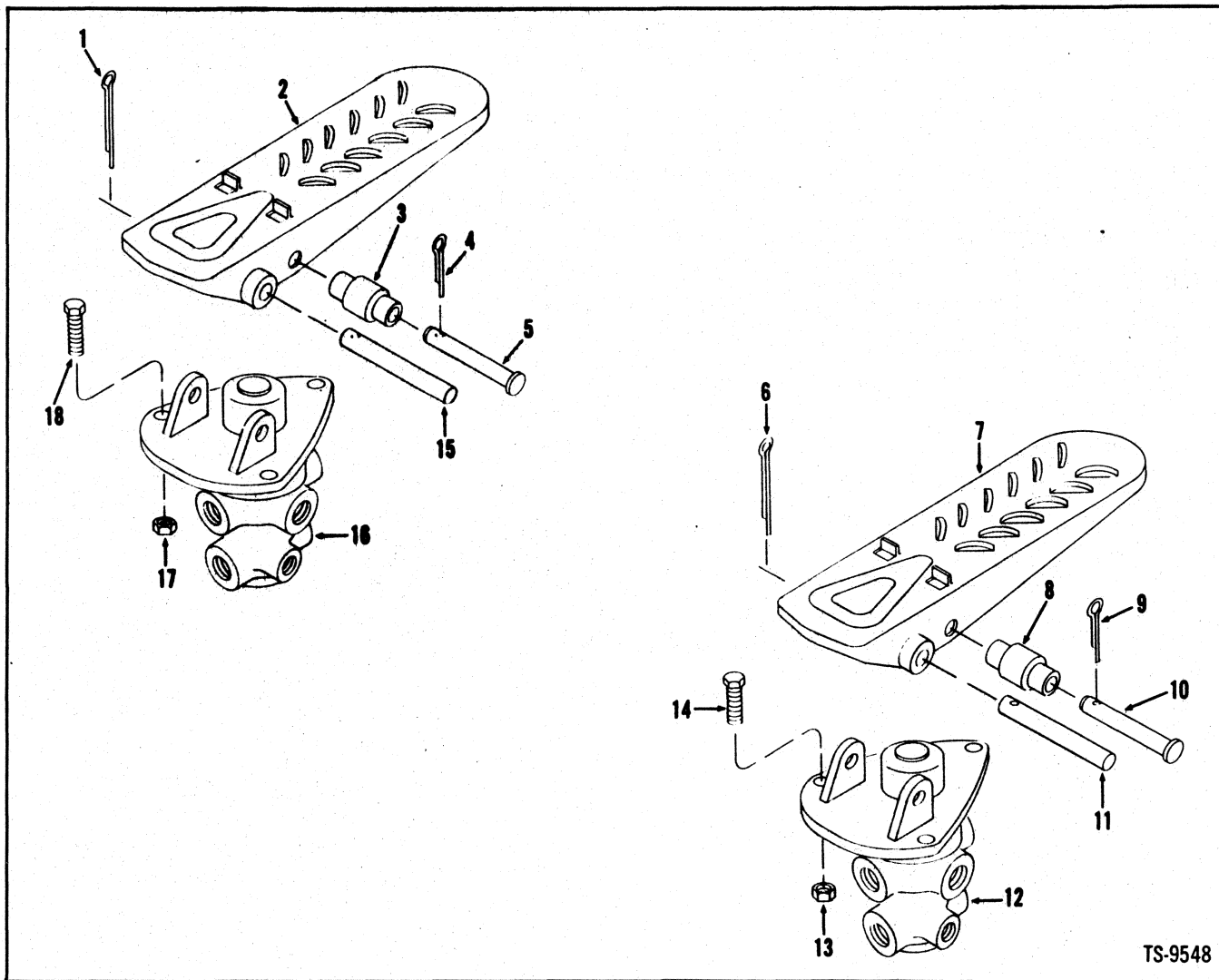
<sup>4</sup>Inc. 8→11

<sup>5</sup>Two (2) power clusters used on machine. Quantities listed are for one (1) power cluster.



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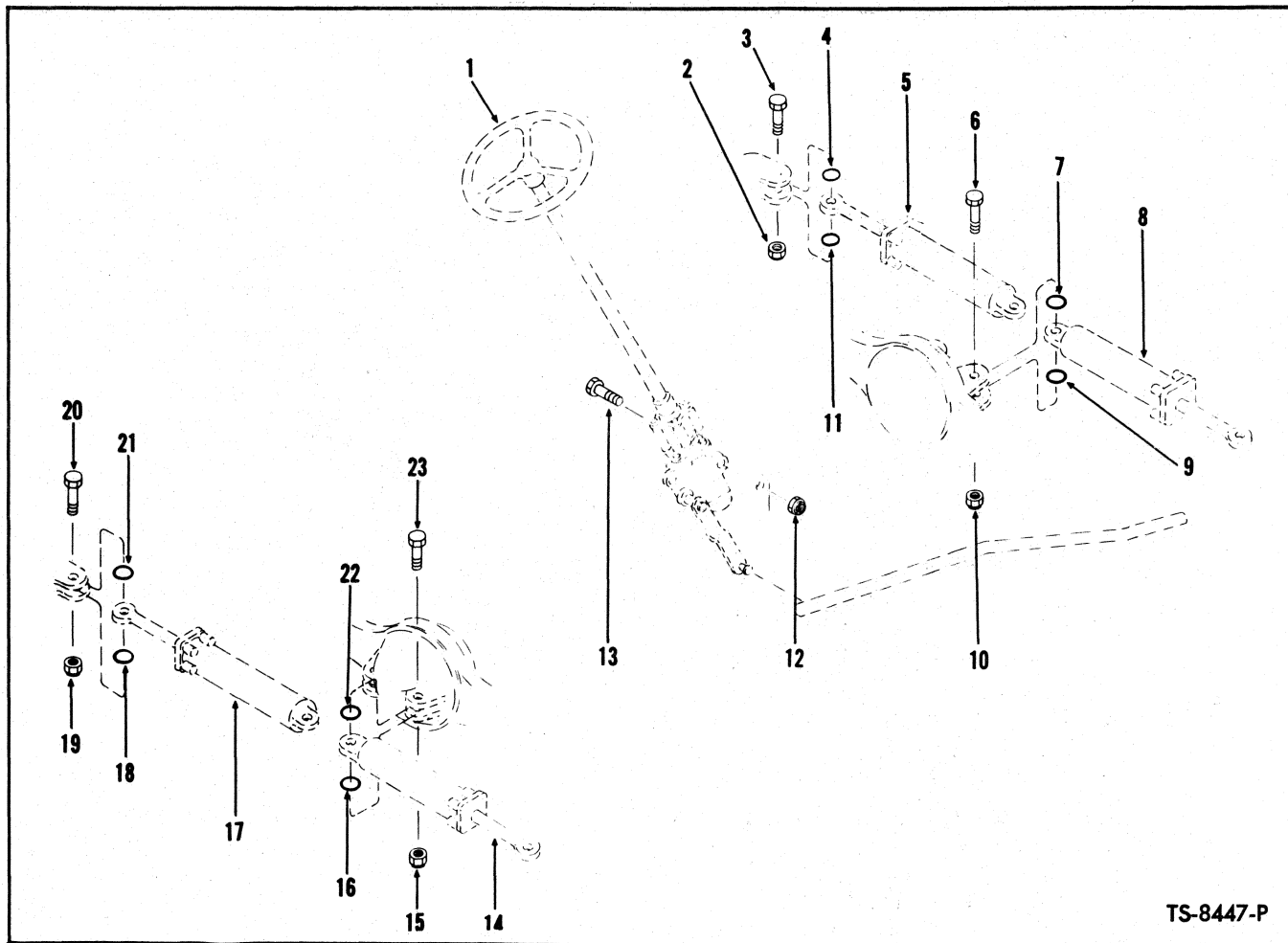
TS-9548

### Brake Controls

No.	Part No.	Qty.	Description
1	1F-320	1	Pin cotter
2	513930	1	Pedal brake
3	518259	1	Roller
4	1F-312	1	Pin cotter
5	875766	1	Pin
6	1F-320	1	Pin cotter
7	513930	1	Pedal brake
8	518259	1	Roller
9	1F-312	1	Pin cotter
10	875766	1	Pin
11	875767	1	Pin mounting
12	_____	1	Valve brake
13	18D-05	3	Nut
14	24C-520	3	Bolt
15	875767	1	Pin mounting
16	_____	1	Valve brake
17	18D-05	3	Nut
18	24C-520	3	Bolt

<sup>1</sup>See Index



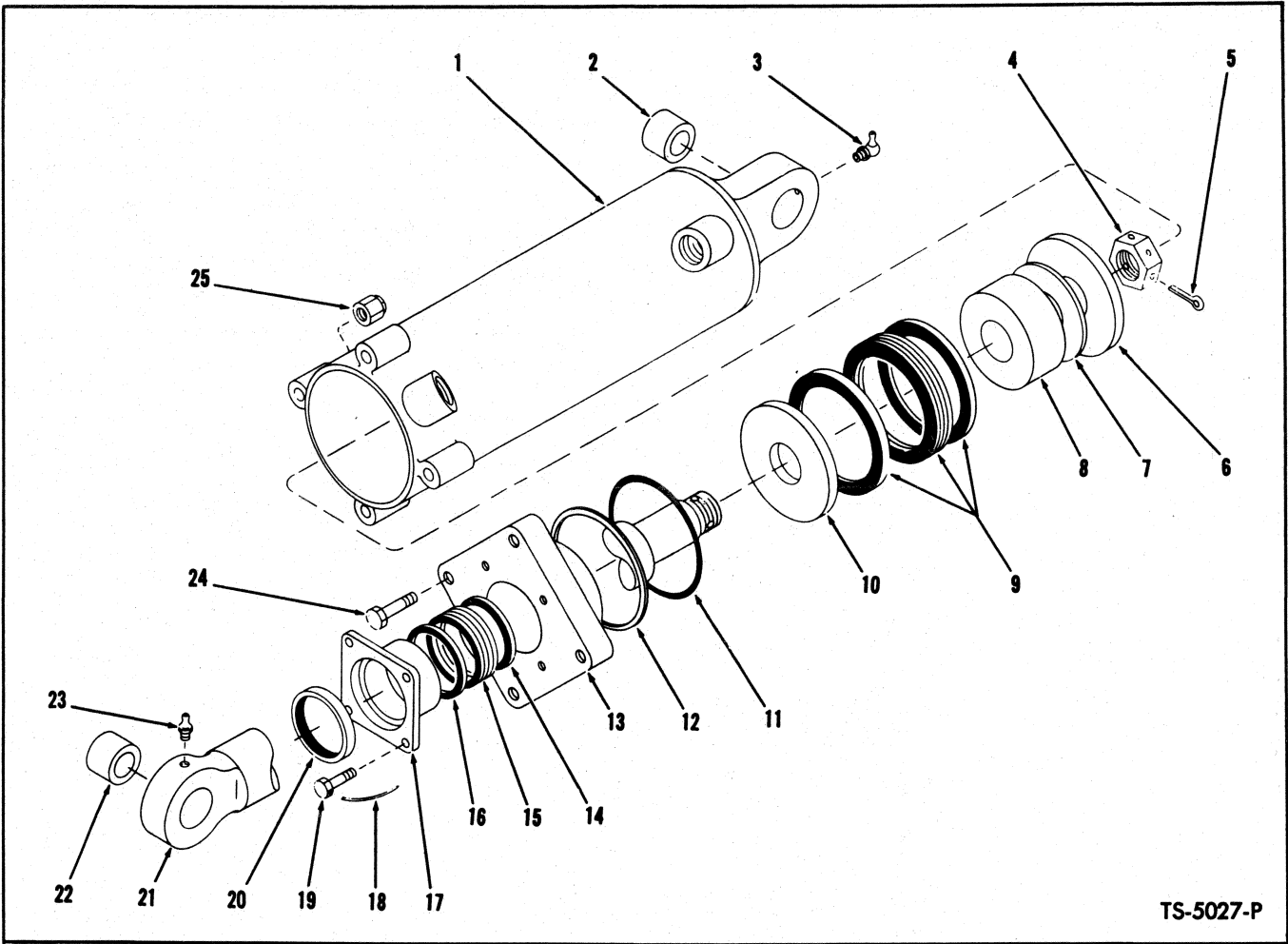


TS-8447-P

**STEERING LINKAGE GROUP**

Item No.	Part No.	Description	No. Req'd.
1	---	STEERING GEAR ASSY - See Index	1
2	18D-12	NUT, Cylinder to Support	2
3	24C-1248	BOLT, Cylinder to Support	2
4	58K-222	O-RING, Cylinder to Support (Upper)	2
5	---	STEERING CYLINDER - See Index	1
6	24C-1256	BOLT, Cylinder to Axle Housing	2
7	58K-222	O-RING, Cylinder to Axle Housing (Upper)	2
8	---	STEERING CYLINDER - See Index	1
9	58K-222	O-RING, Cylinder to Axle Housing (Lower)	2
10	18D-12	NUT, Cylinder to Axle Housing	2
11	58K-222	O-RING, Cylinder to Support (Lower)	2
12	18D-08	NUT, Steering Gear Mounting	3
13	24C-832	BOLT, Steering Gear Mounting	3
14	---	STEERING CYLINDER - See Index	1
15	18D-12	NUT, Cylinder to Axle Housing	2
16	58K-222	O-RING, Cylinder to Axle Housing (Lower)	2
17	---	STEERING CYLINDER - See Index	1
18	58K-222	O-RING, Cylinder to Support (Lower)	2
19	18D-12	NUT, Cylinder to Support	2
20	24C-1248	BOLT, Cylinder to Support	2
21	58K-222	O-RING, Cylinder to Support (Upper)	2
22	58K-222	O-RING, Cylinder to Axle Housing (Upper)	2
23	24C-1256	BOLT, Cylinder to Axle Housing	2

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



TS-5027-P

**STEERING CYLINDER ASSEMBLY**

For Serial: Cont. — C3WCO9-10 thru C3WCO9-999

G.M. — C3WG9-10 thru C5WG9-300

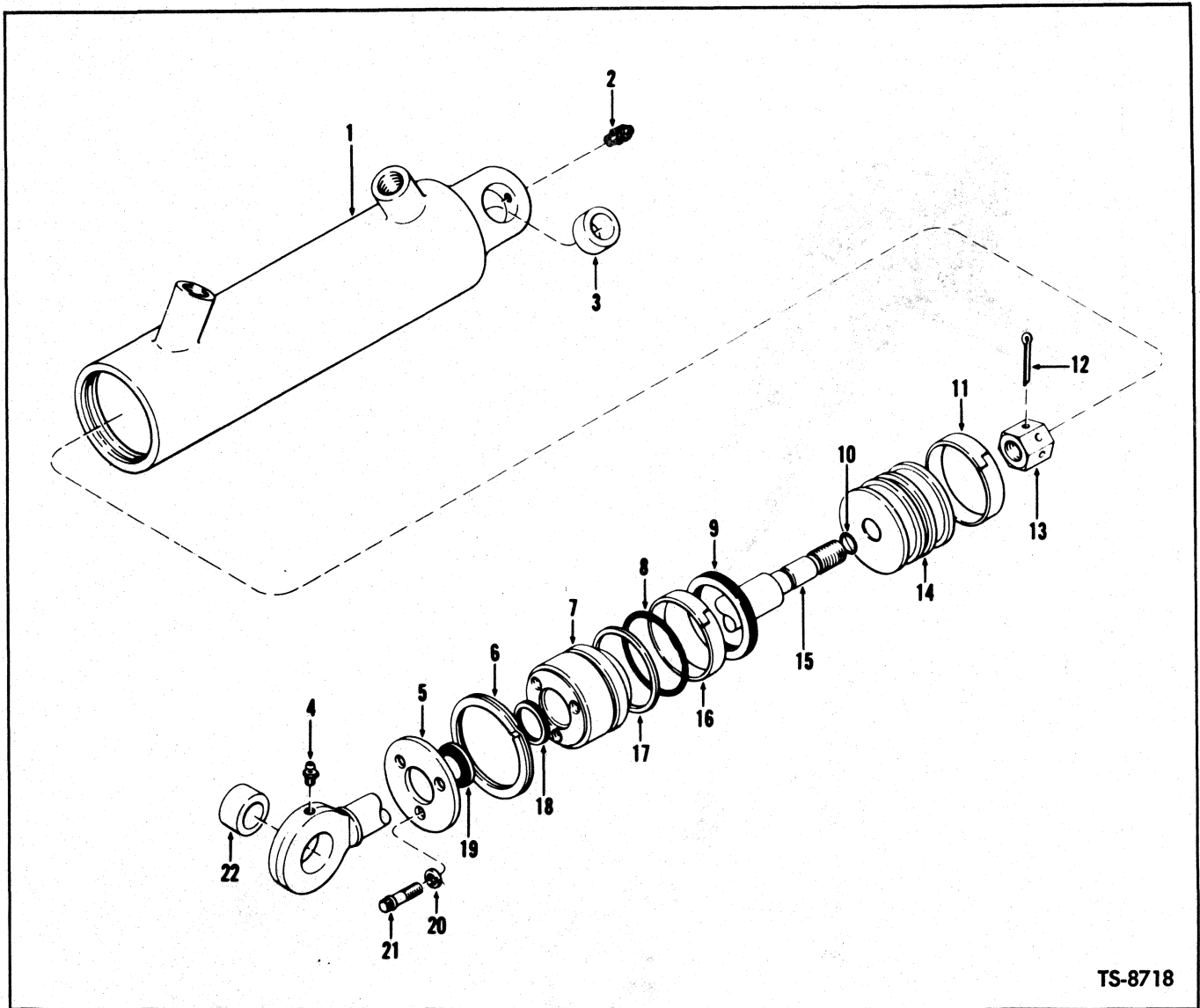
Wauk. — C3WA9-10 thru C3WA9-90

4 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	585298	*CYLINDER ASSY, Steering — R.H. (Inc. 1 thru 25) . . . . .	2	10	526423	PLATE, Packing Assy Backing . . . . .	1
B	585302	**CYLINDER ASSY, Steering — L.H. (Inc. 1A thru 25) . . . . .	2	11	—	§O-RING, Cylinder Cap — See C . . . . .	1
C	2516056	KIT (Inc. 5, 7, 9, 11, 12, 14 → 16) See Note "A" . . . . .	1	12	—	§RING, O-Ring Back-Up — See C . . . . .	1
1	585301	CYLINDER, Steering — R.H. . . . .	1	13	945118	CAP ASSY, Cylinder (Inc. 11, 12) . . . . .	1
1A	585303	†CYLINDER, Steering — L.H. . . . .	1	14	—	§ADAPTER, Male — See 15 . . . . .	2
2	763451	BUSHING, Cylinder . . . . .	1	15	2501105	PACKING ASSY, Piston Rod (Inc. 14, 16) . . . . .	1
3	12H-25	FITTING, Cylinder Grease . . . . .	1	16	—	§ADAPTER, Female — See 15 . . . . .	2
4	523325	NUT, Piston Rod . . . . .	1	17	526414	GLAND, Packing . . . . .	1
5	1F-424	COTTER, Piston Rod Nut . . . . .	1	18	—	LOCKWIRE (16 ga.-13" lg) . . . . .	2
6	526423	PLATE, Packing Assy Backing . . . . .	1	19	4C-414	BOLT, Packing Gland to Cylinder Cap . . . . .	4
7	—	§‡SHIM — See C . . . . .	—	20	526415	SEAL, Piston Rod . . . . .	1
8	526422	SLEEVE, Piston . . . . .	1	21	545155	ROD, Piston . . . . .	1
9	—	§PACKING ASSY (Inc. Adapters) — See C . . . . .	1	22	763451	BUSHING, Piston Rod . . . . .	1
				23	10H-35	FITTING, Piston Rod Grease . . . . .	1
				24	24C-648	BOLT, Cylinder Cap . . . . .	4
				25	18D-06	NUT, Cylinder Cap . . . . .	4

§ Not Sold Separately    † Not Illustrated    ‡ As Required  
 \*NOTE: For complete replacement of 585298 use 1524562 Cylinder Assy.  
 \*\*NOTE: For complete replacement of 585302 use 1524563 Cylinder Assy.  
 NOTE "A": For reference see Service Gram S.G.-597A.

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



TS-8718

**STEERING CYLINDER ASSEMBLY**

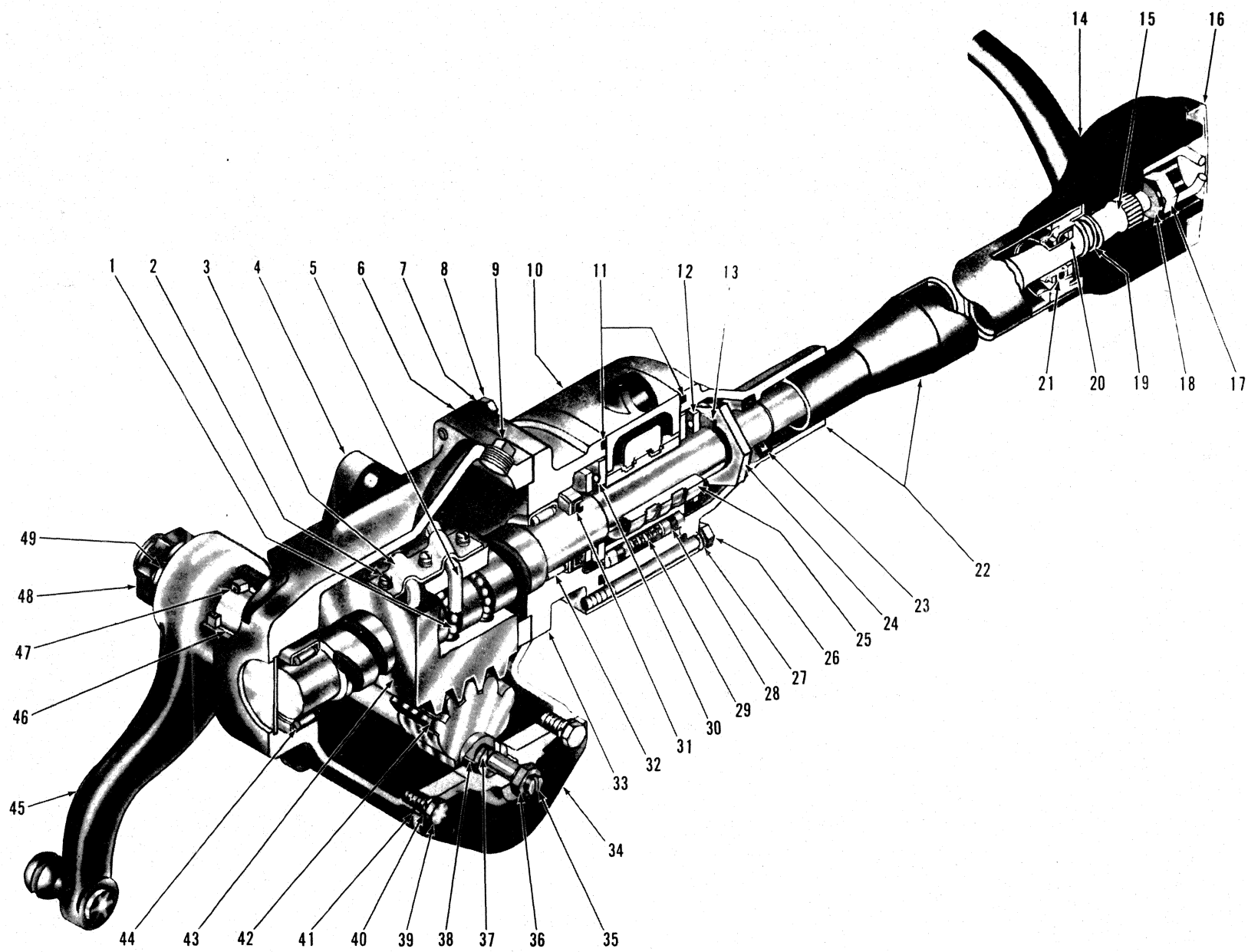
For Serial: G.M. — C5WG9-301 thru C5WG9-999, 7WG101 & →  
Wauk. — C3WA9-91 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1524562	CYLINDER ASSY — R.H. (Inc. 1, 3, 5-22) . . . . .	2	8	-----	O-RING, Cylinder Cap — See C . . . . .	1
B	1524563	CYLINDER ASSY — L.H. (Inc. 1A, 3, 5-22) . . . . .	2	9	-----	RING, Piston Sealing — See C . . . . .	1
C	2516055	*KIT (Inc. 6, 8 — 12, 16 — 19) . . . . .	1	10	-----	O-RING, Piston Rod — See C . . . . .	1
<b>NOTE: Four (4) Cylinders used on Machine — Quantities listed below are for One (1) Cylinder.</b>				11	-----	RING, Piston Wear — See C . . . . .	1
1	1503574	CYLINDER — R.H. . . . .	1	12	1F-424	COTTER, Piston Rod Nut . . . . .	1
1A	1503573	†CYLINDER — L.H. . . . .	1	13	523325	NUT, Piston Rod . . . . .	1
2	11H-25	FITTING, Cylinder Grease . . . . .	1	14	1503568	PISTON . . . . .	1
3	763451	BUSHING, Cylinder . . . . .	1	15	545155	ROD, Piston . . . . .	1
4	10H-35	FITTING, Piston Rod Grease . . . . .	1	16	----	RING, Piston Wear — See C . . . . .	1
5	1503567	PLATE, Retaining Ring . . . . .	1	17	-----	RING, O-Ring, Back-Up — See C . . . . .	1
6	2506408	RING, Cylinder Cap Retaining . . . . .	1	18	713285	SEAL, Piston Rod . . . . .	1
7	1503570	CAP, Cylinder . . . . .	1	19	1522535	WIPER, Piston Rod . . . . .	1
				20	22E-05	LKWSHR, Cylinder Cap . . . . .	3
				21	93G-514	BOLT, Cylinder Cap . . . . .	3
				22	763451	BUSHING, Piston Rod . . . . .	1

†Not Illustrated

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

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



STEERING GEAR ASSEMBLY

TS-3886

[ 100 ]

(1H3)

PM 2988  
Printed in U.S.A.



STEERING GEAR ASSEMBLY

For Serial: G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-220
Waukesha — C3WA9-10 thru C3WA9-54
Continental — C3WCO9-10 thru C3WCO9-999

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include items like STEERING GEAR ASSY, BALL, BOLT ASSY, CLAMP, HOUSING ASSY, etc.

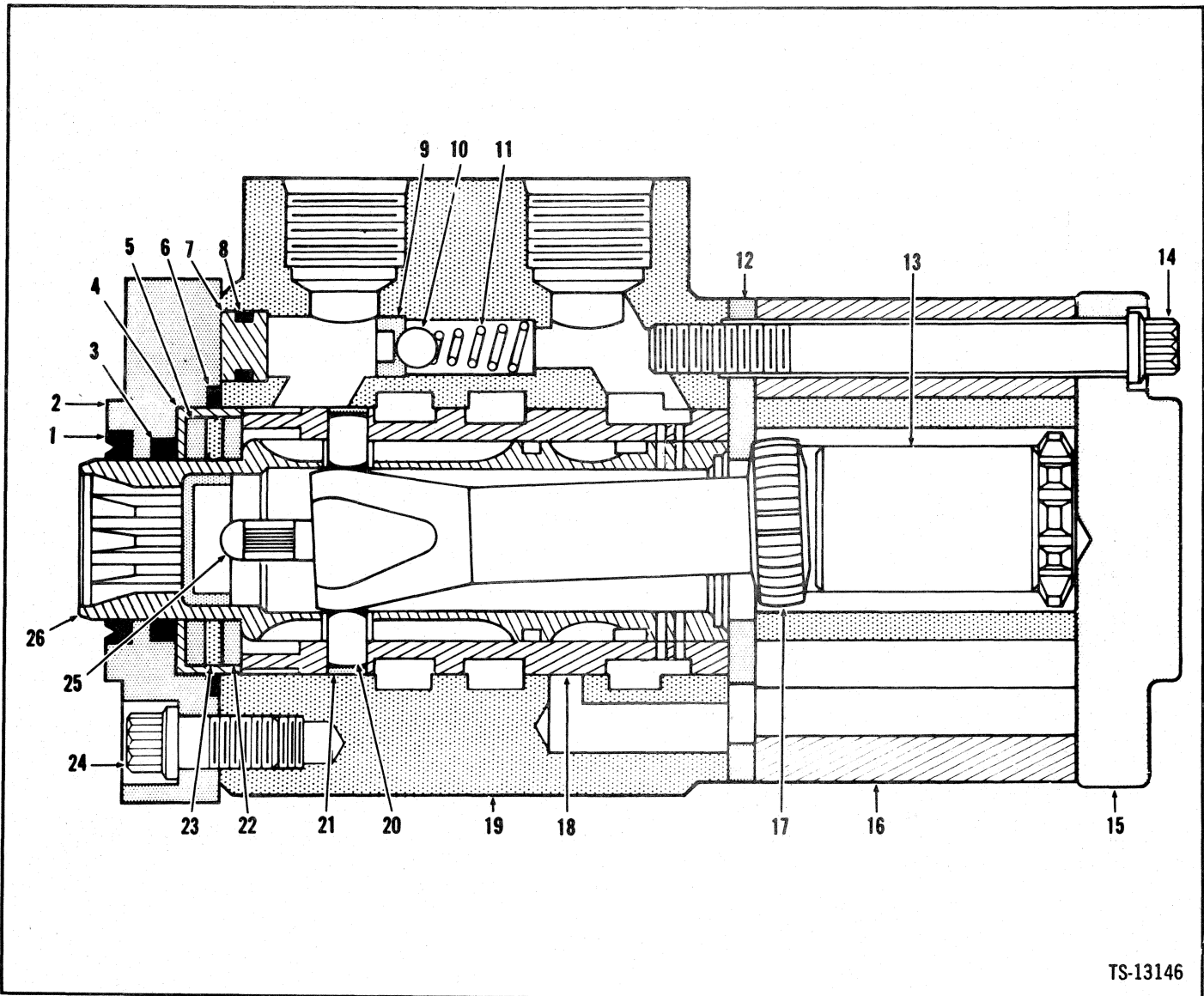
Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include items like VALVE SPOOL, BOLT, Valve Cover, LKWSHR, Valve Cover, etc.

\*NOTE: For complete replacement of 584879 Assembly use 1536277 Assembly. Once replacement has been made, refer to page 103 of this manual for servicing components.
§Not Sold Separately

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

# Valve Assembly, Auxiliary Steering

**CLARK**



TS-13146

No.	Part No.	Qty.	Description
A	1514351	1	Valve assy
1	6517944	1	Seal
2	1567081	1	Plate
3	6517945	1	Seal
4	5200241	1	Bearing locator
5	5200240	1	Bearing race
6	6517946	1	Seal
7	991701	1	Plug
8	25K-20010	1	O-ring
9	991702	1	Seat
10	10J-08	1	Ball
11	1567072	1	Spring
12	1567084	1	Plate
13	5200205	1	Spacer

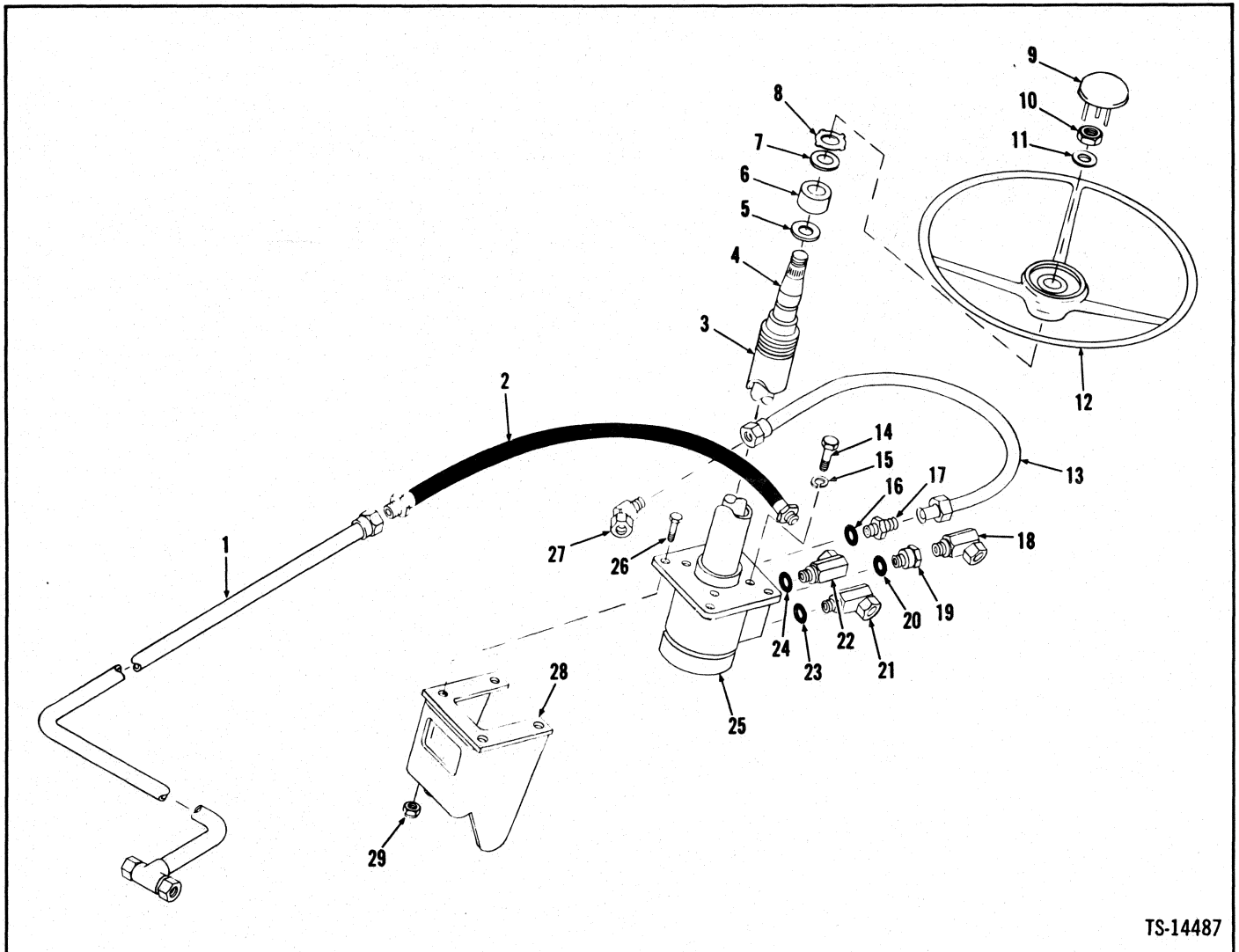
No.	Part No.	Qty.	Description
14	94G-540	7	Screw
15	1567080	1	Cap
16	949958	1	Gear set
17	1567085	1	Drive shaft
18	<sup>2</sup> 948831	1	Sleeve
19	§ <sup>3</sup> -----	—	Housing
20	896544	1	Pin
21	1567076	2	Disc
22	5200240	1	Bearing race
23	3292657	1	Bearing
24	71G-510	4	Screw
25	896497	6	Spring
26	§ <sup>4</sup> -----	—	Spool

<sup>1</sup>Incl. 1 → 26

<sup>2</sup>Incl. 26

<sup>3</sup>See A

<sup>4</sup>See 18



TS-14487

No.	Part No.	Qty.	Description
A	2502160	1	Auxiliary steer kit
1	1512932	1	Tube
2	661558	1	Hose
3	3235941	1	Steering column
4	3233205	1	Shaft assy strg
5	3233210	1	Washer
6	3233204	1	Bearing
7	3233210	1	Washer
8	710886	1	Snap ring
9	602104	1	Cover
10	8D-08	1	Nut
11	851771	1	Washer
12	604323	1	Steering wheel
13	1514338	1	Tube
14	23C-616	4	Bolt

No.	Part No.	Qty.	Description
15	4E-06	4	Lockwasher
16	91F-6	1	O-ring
17	15K-6	1	Connector
18	1514341	1	Elbow
19	4556579	1	Adapter
20	91F-6	1	O-ring
21	517089	1	Elbow
22	6517089	1	Elbow
23	91F-6	1	O-ring
24	91F-6	1	O-ring
25	7-----	1	Steering valve
26	24C-624	4	Bolt
27	33F-4	1	Adapter union
28	1517424	1	Bracket
29	18D-06	4	Nut

<sup>2</sup>Incl. 1→29

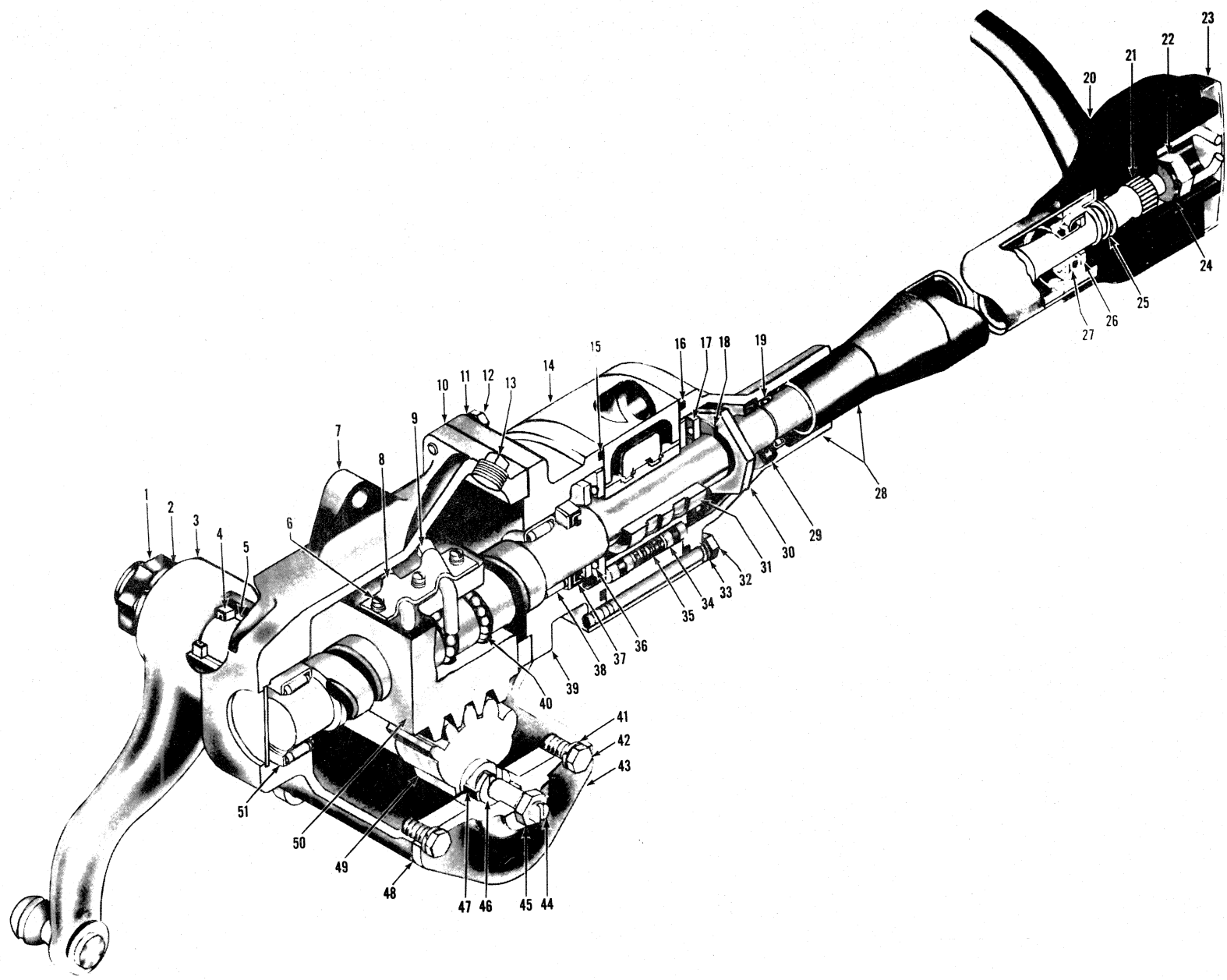
<sup>3</sup>Incl. 16

<sup>4</sup>Incl. 20

<sup>5</sup>Incl. 23

<sup>6</sup>Incl. 24

<sup>7</sup>See Index



STEERING GEAR ASSEMBLY

TS-8387-P

[ 102 ]

(1H5)

PM 2988  
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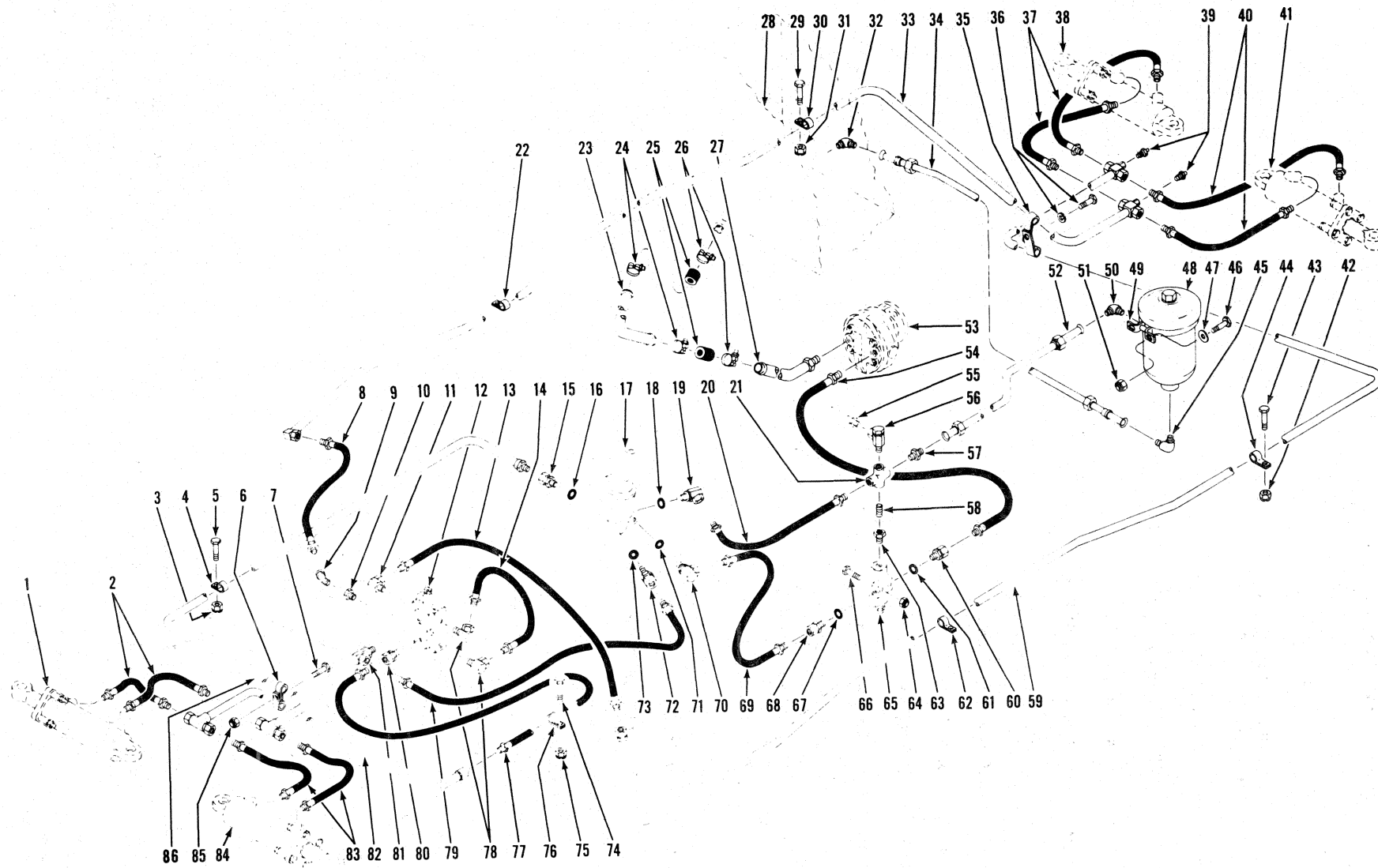
**STEERING GEAR ASSEMBLY**

For Serial: Waukesha — C3WA9-55 thru C3WA9-999  
G.M. — C5WG9-221 thru C5WG9-999, 7WG101 & →

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1536277	STEERING GEAR ASSY (Inc. 1, 2, 4 thru 19, 21, 22, 24 thru 51)	1	27	945396	BEARING, Upper Shaft	1
1	898447	NUT, Pitman Arm	1	28	947267	COVER & JACKET ASSY (Inc. 19, 27, 29)	1
2	2E-14	LKWSHR, Pitman Arm	1	29	947280	SEAL, Valve Cover	1
3	585585	ARM, Pitman	1	30	873250	NUT, Worm Wheel	1
4	755866	SEAL, Pitman Shaft Grease	1	31	-----	§VALVE SPOOL (See 14)	—
5	892141	BUSHING, Pitman Shaft	1	32	1C-652	BOLT, Valve Cover	3
6	851762	BOLT ASSY, Clamp (Inc. Washer)	3	33	2E-06	LKWSHR, Valve Cover	3
7	945398	HOUSING ASSY (Inc. 5, 51)	1	34	861755	PLUNGER, Valve Centering	6
8	945400	CLAMP, Ball Return Guide	1	35	944053	SPRING, Valve Centering	3
9	945401	GUIDE, Ball Return	4	36	860997	BEARING, Worm Thrust	1
10	945402	GASKET, Adapter to Housing	1	37	873293	SEAL, Adapter Worm	1
11	3E-07	LKWSHR, Adapter to Housing	4	38	861741	BEARING, Adapter	1
12	1C-718	BOLT, Adapter to Housing	4	39	945394	ADAPTER ASSY (Inc. 37, 38)	1
13	13F-08	PLUG, Filler	1	40	10J-09	BALL	72
14	944052	VALVE ASSY (Inc. 14, 34, 35)	1	41	2E-06	LKWSHR, Side Cover	3
15	25K-30226	O-RING, Adapter to Valve	1	42	1C-612	BOLT, Side Cover	3
16	25K-30226	O-RING, Cover to Valve	1	43	886489	COVER, Housing Side (Inc. 47)	1
17	860997	BEARING, Worm Thrust	1	44	851770	ADJUSTER, Lash	1
18	943429	SPRING, Valve Spool Preload	1	45	8D-07	NUT, Lash Adjuster	1
19	873224	BEARING, Shaft	1	46	853187	SHIM KIT, Lash Adjuster	1
20	604323	*WHEEL, Steering	1	47	-----	§BUSHING, Housing Side (See 43)	—
20A	1615748	**WHEEL, Steering	1	48	886490	GASKET, Housing Side Cover	1
21	947268	SHAFT ASSY (Inc. 6, 8, 9, 40, 50)	1	49	886488	GEAR, Pitman Shaft	1
22	8D-08	NUT, Steering Wheel	1	50	945413	NUT, Ball	1
23	602104	*COVER, Steering Wheel	1	51	861741	BEARING, Housing	1
23A	1615420	**COVER, Steering Wheel	1	52	24C-832	†BOLT, Steering Gear Mounting	3
24	851771	WASHER, Steering Wheel to Shaft	1	53	18D-08	†NUT, Steering Gear Mounting	3
25	617904	SPRING, Steering Shaft Upper Bearing	1				
26	945404	WASHER, Steering Shaft Upper Bearing	1				

§Not Sold Separately  
\*G.M. C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-999; Waukesha C3WA9-10 thru C3WA9-999; Continental C3WCO9-10 thru C3WCO9-999.  
\*\*G.M. 7WG101 & →  
§Not Sold Separately  
†Not Illustrated

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



HYDRAULIC SYSTEM — STEERING

TS-7618-P

**Hydraulic System – Steering**

No.	Part No.	Qty.	Description
1	1	—	Cylinder steering RH front
2	661558	2	Hose
3	18D-08	1	Nut
4	538231	1	Clip
5	24C-822	1	Bolt
6	30H-38	2	Clip
7	24C-616	1	Bolt
8	661558	1	Hose
9	25F-4	1	Elbow
10	356617	1	Bushing
11	2550700	1	Bushing
11A	3711053	1	Adapter union
12	1	—	Valve selector
13	661558	1	Hose
14	661558	1	Hose
15	2661554	1	Adapter
15A	31314965	1	Adapter
16	91F-6	1	O-ring
16A	91F-8	1	O-ring
17	1	—	Gear Steering
18	91F-7	1	O-ring
19	519275	1	Adapter union
20	661558	1	Hose
21	21F-4	1	Cross
22	558602	1	Clip
23	4562616	1	Tube
23A	2585336	1	Tube
24	1545186	2	Clamp
25	2529979	2	Hose
25A	31545741	2	Hose
26	1545186	2	Clamp
27	2587801	1	Stem
27A	31524788	1	Stem
27B	41510094	1	Stem
28	1	—	Reservoir
29	24C-822	1	Bolt
30	558602	1	Clip
31	18D-08	1	Nut
32	1303618	1	Elbow
33	567411	1	Tube
34	586013	1	Tube
35	30H-38	2	Clip
36	24C-614	1	Bolt
36A	4E-06	1	Lockwasher
37	661558	2	Hose
38	1	—	Cylinder steering RH rear
39	641297	2	Bleeder
40	661558	2	Hose
41	1	—	Cylinder steering LH rear
42	18D-08	1	Nut
43	24C-822	1	Bolt
44	558602	1	Clip

No.	Part No.	Qty.	Description
45	83F-7	1	Elbow
46	24C-516	2	Bolt
47	25E-15	2	Washer
48	2558598	1	Filter
48A	1957577	1	Filter element
49	558599	1	Strap
50	83F-7	1	Elbow
51	18D-05	2	Nut
52	4567291	1	Tube
52A	2585857	1	Tube
53	1	—	Pump steering
53A	11722717	3	Stud
53B	1235961	1	Gasket
53C	125E-17	3	Washer
53D	19E-06	3	Lockwasher
53E	18D-06	3	Nut
54	868271	1	Hose
55	1	—	Hose
56	6K-08	1	Valve
57	89F-7	1	Connector
58	5K-409	1	Nipple
59	567425	1	Tube
60	2743823	1	Adapter
61	91F-7	1	O-ring
62	558602	1	Clip
63	356617	1	Bushing
64	18D-05	2	Nut
65	1	—	Valve relief
66	24C-540	2	Bolt
67	91F-7	1	O-ring
68	528691	1	Adapter
69	661558	1	Hose
70	10519275	1	Adapter union
71	91F-7	1	O-ring
72	11661564	1	Adapter
73	91F-6	1	O-ring
74	24C-822	1	Bolt
75	18D-08	1	Nut
76	30H-52	1	Clip
77	661558	1	Hose
78	711053	2	Adapter union
79	661558	1	Hose
80	212661427	1	Adapter
80A	1333F-4	1	Adapter
80B	1319F-9	1	Bushing
81	711053	1	Adapter
82	567412	1	Tube
83	661558	2	Hose
84	1	—	Cylinder steering LH front
85	18D-06	1	Nut
86	585855	1	Tube

<sup>1</sup>See Index

<sup>2</sup>Cont. C3WCO9-10 → C3WCO9-999, G.M. C3WG9-10 → C5WG9-999, Wauk. C3WA9-10 → C3WA9-999.

<sup>3</sup>G.M. 7WG101 & →

<sup>4</sup>G.M. C3WG9-10 → C5WG9-999, 7WG101 & →

<sup>5</sup>G.M. 7WG101 → 7WG345

<sup>6</sup>G.M. 7WG346 & →

<sup>7</sup>Inc. 48A

<sup>8</sup>See Hydraulic System Boom & Bucket

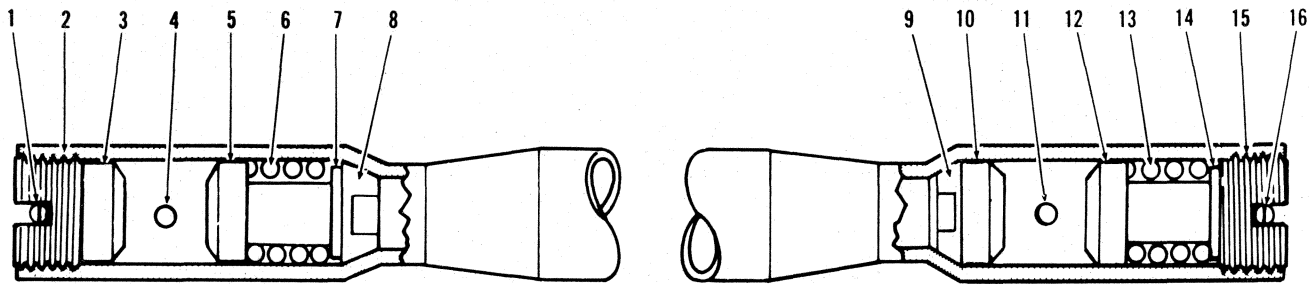
<sup>9</sup>Inc. 61

<sup>10</sup>Inc. 71

<sup>11</sup>Inc. 73

<sup>12</sup>G.M. 7WG101 → 7WG435

<sup>13</sup>G.M. 7WG436 & →

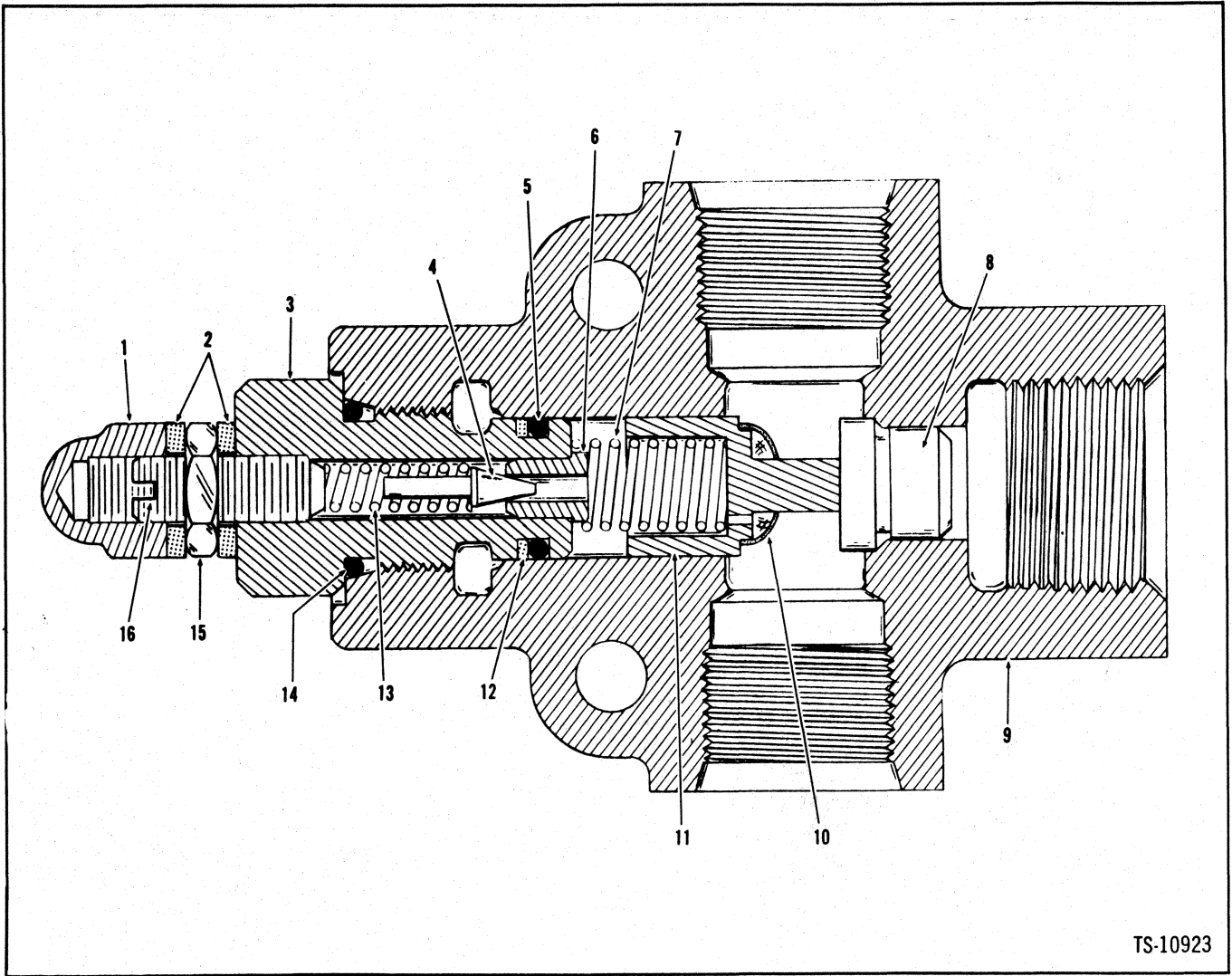


TS-11031

**STEERING DRAG LINK**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	585586	DRAG LINK ASSY (Inc. 2, 3, 5 thru 10, 12 thru 15)	1	8	865963	SEAT	1
1	1F-432	COTTER, Adjusting Nut	1	9	865963	SEAT	1
2	876575	NUT, Adjusting	1	10	865965	SEAT, Ball Stud	1
3	865965	SEAT, Ball Stud	1	11	12H-15	FITTING, Drag Link Grease	1
4	12H-15	FITTING, Drag Link Grease	1	12	865965	SEAT, Ball Stud	1
5	865965	SEAT, Ball Stud	1	13	865961	SPRING	1
6	865961	SPRING	1	14	662691	SEAT, Spring	1
7	662691	SEAT, Spring	1	15	876575	NUT, Adjusting	1
				16	1F-432	COTTER, Adjusting Nut	1

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



TS-10923

### Valve Assembly, Steering Pressure Relief

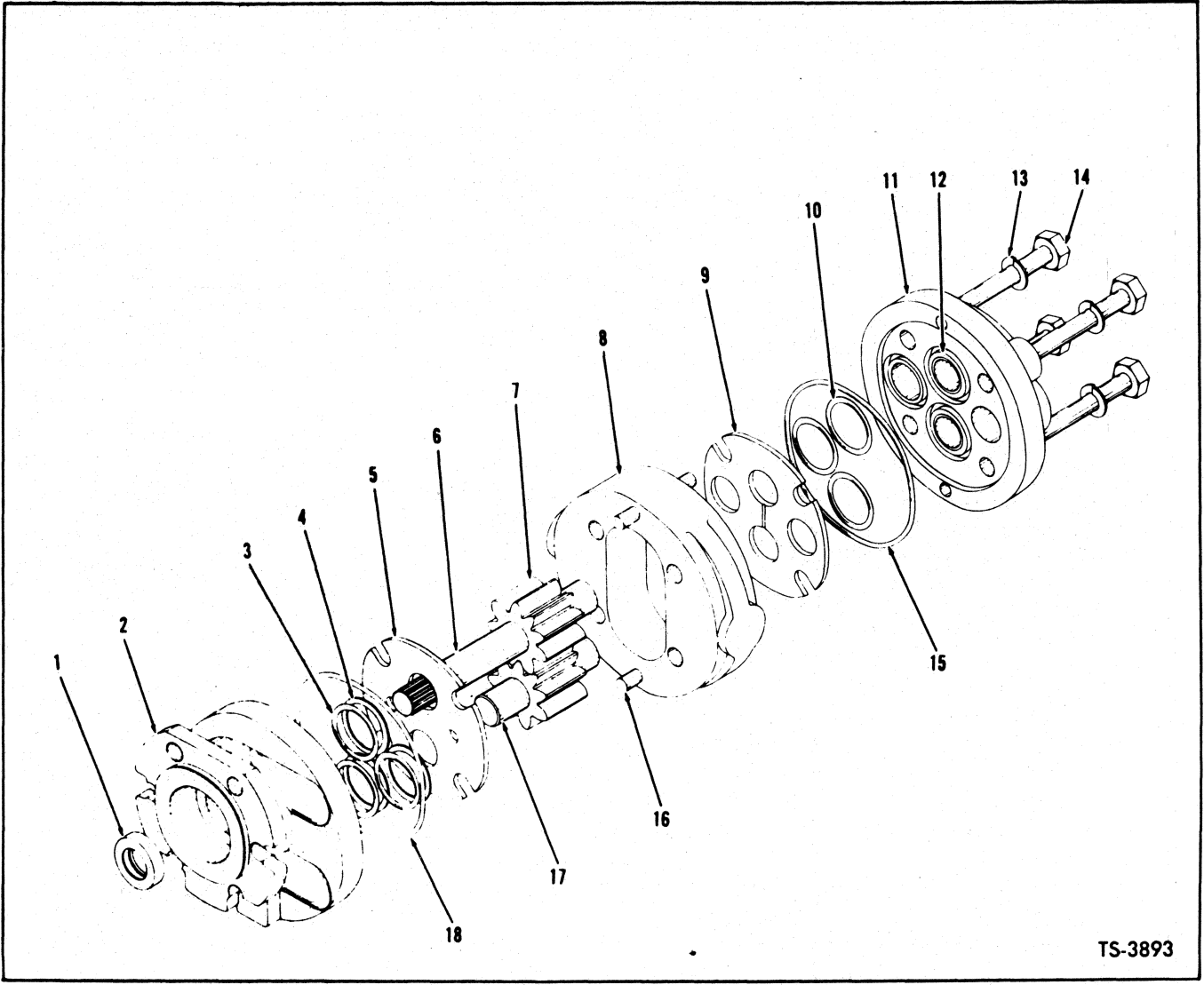
No.	Part No.	Qty.	Description
A	536539	1	Valve assy
1	47D-05	1	Nut
2	730396	2	Washer
3	944467	1	Cap
4	883734	1	Plunger
5	899039	1	O-ring
6	944469	1	Seat
7	944646	1	Spring
8	944645	1	Seat
9	§ <sup>2</sup> -----	—	Valve body
10	§ <sup>3</sup> -----	—	Screen poppet
11	944643	1	Poppet assy
12	899038	1	Ring back-up
13	944471	1	Spring
14	91F-6	1	O-ring
15	8D-05	1	Nut
16	33G-514	1	Set screw
17	†40K-02	2	Plug pipe

1Inc. 1→17

2See A

3See 11

4Inc. 10



TS-3893

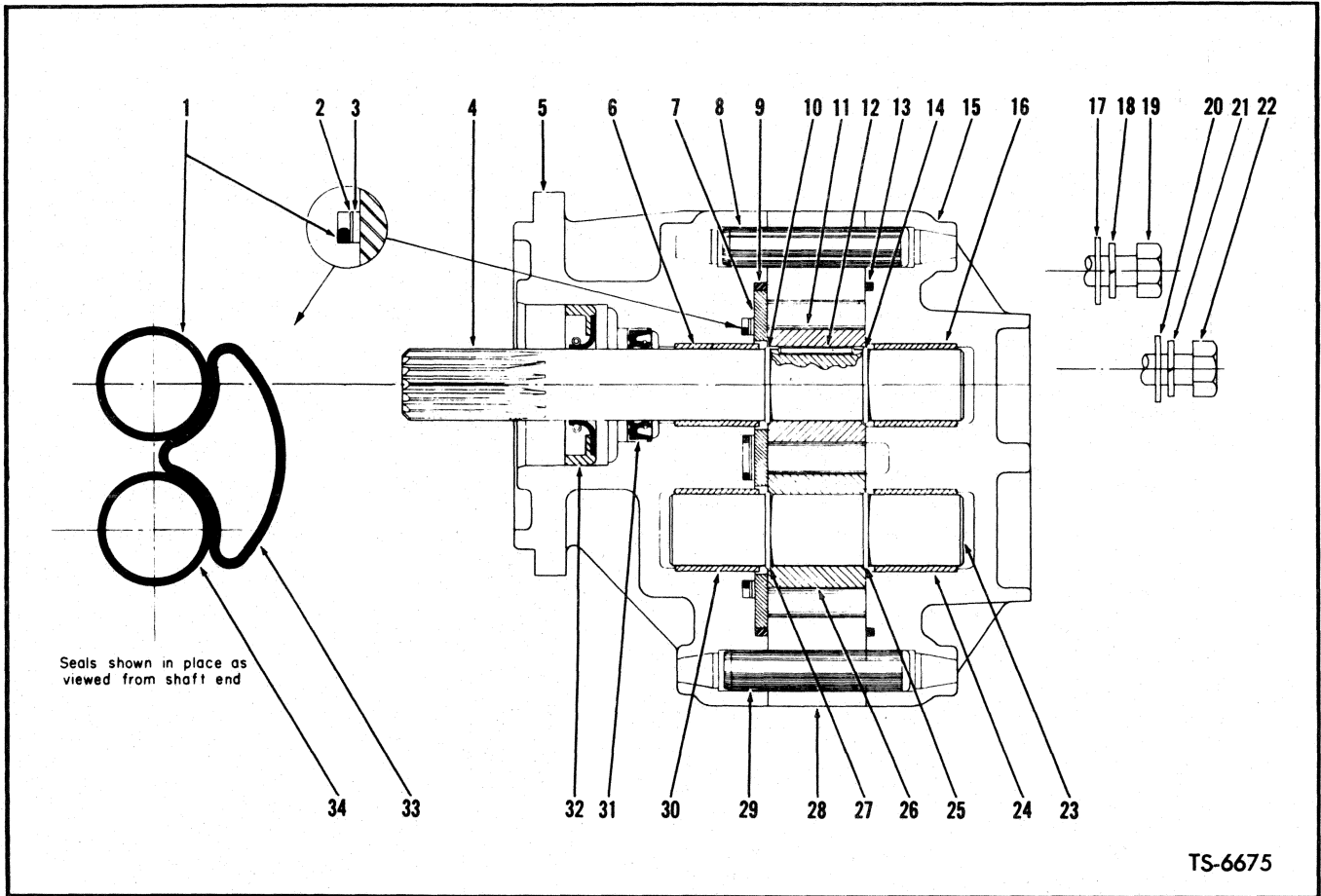
**HYDRAULIC PUMP — STEERING**  
**For Serial: Cont. — C3WCO9-10 thru C3WCO9-999**  
**G.M. — C3WG9-10 thru C5WG9-999**  
**Wauk. — C3WA9-10 thru C3WA9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	584119	*PUMP ASSY (Inc. 1 thru 18)	1	11	-----	§COVER, Pump (See "A")	1
1	945366	SEAL, Shaft	1	12	-----	§BUSHING, Adapter & Cover	4
2	-----	§ADAPTER, Pump (See "A")	1	13	878233	LKWSHR, Cover to Adapter	4
3	25K-30102	O-RING	3	14	2C-852	BOLT, Cover to Adapter	4
4	945367	RING, "O" Ring Back-Up	3	15	25K-40328	O-RING, Cover to Housing	1
5	945368	PLATE, Adapter Wear	1	16	-----	§PIN, Cover & Adapter Dowel	4
6	945369	SHAFT, Drive (Inc. 7)	1	17	945370	SHAFT, Driven (Inc. 7)	1
7	-----	§GEAR, Drive & Driven (See 6 & 17)	2	18	25K-40328	O-RING, Adapter to Housing	1
8	945371	HOUSING, Pump Center Section (Inc. 16)	1	19	235961	†GASKET, Pump to Converter	1
9	945372	PLATE, Cover Wear	1	20	214961	†SLEEVE, Pump Drive	1
10	25K-30102	O-RING	3	21	8D-06	†NUT, Pump to Converter	6
				22	4E-06	†LKWSHR, Pump to Converter	6

§Not Sold Separately  
 †Not Illustrated

\*For complete replacement use 3151160 Pump (see page 109) plus 1 — 1314965 Adapter, 1 — 91F-8 O-ring & 1 — 1510094 Stem.

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



**Hydraulic Pump – Steering\***

No.	Part No.	Qty.	Description
A	1538115	1	Pump assy
B	3151160	1	Pump assy
C	946483	1	Seal kit
1	§	1	O-ring
2	§	1	Ring
3	§	1	Ring
4	§	1	Shaft
5	§	1	Adapter
6	§	1	Bushing
7	§	1	Plate
8	§	1	Dowel
9	§	1	O-ring
10	§	1	Ring
11	§	1	Gear
12	§	1	Dowel
13	§	1	O-ring
14	§	1	Ring
15	§	1	Cover
16	§	1	Bushing

No.	Part No.	Qty.	Description
17	§	4	Washer
18	§	4	Lockwasher
19	§	4	Bolt
20	§	4	Washer
21	§	4	Lockwasher
22	§	4	Bolt
23	§	1	Shaft
24	§	1	Bushing
25	§	1	Ring
26	§	1	Gear
27	§	1	Ring
28	§	1	Housing
29	§	1	Dowel
30	§	1	Bushing
31	§	1	Seal
32	§	1	Seal
33	§	1	Seal
34	§	1	O-ring

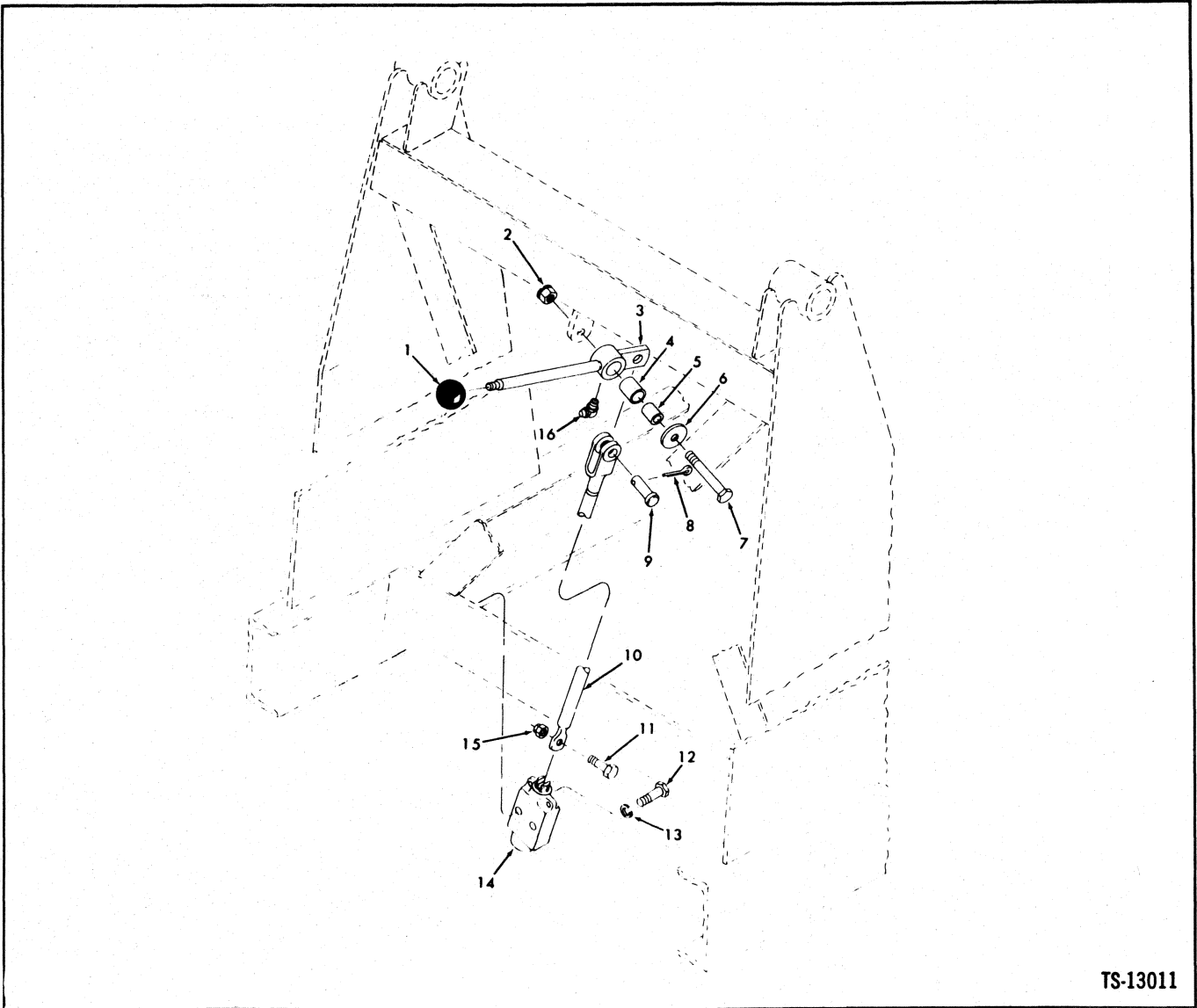
\*G.M. 7WG101 & →

Note: The above listed pumps, with the exception of seal kit listed, is not considered rebuildable in the field. Due to extremely close tolerances involved and extensive break-in test required, the cost of equipment needed and parts plus labor would exceed cost of replacement pump. Order replacement pump by part number listed. For complete replacement of 1538115 Pump Assy use 3151160 Pump Assy plus 1 – 1314965 Adapter, 1 – 91F-8 O-ring & 1 – 1510094 Stem.

‡Inc. 1 → 34

§Inc. 1, 2, 3, 9, 13, 31 → 34

§Not Sold Separately



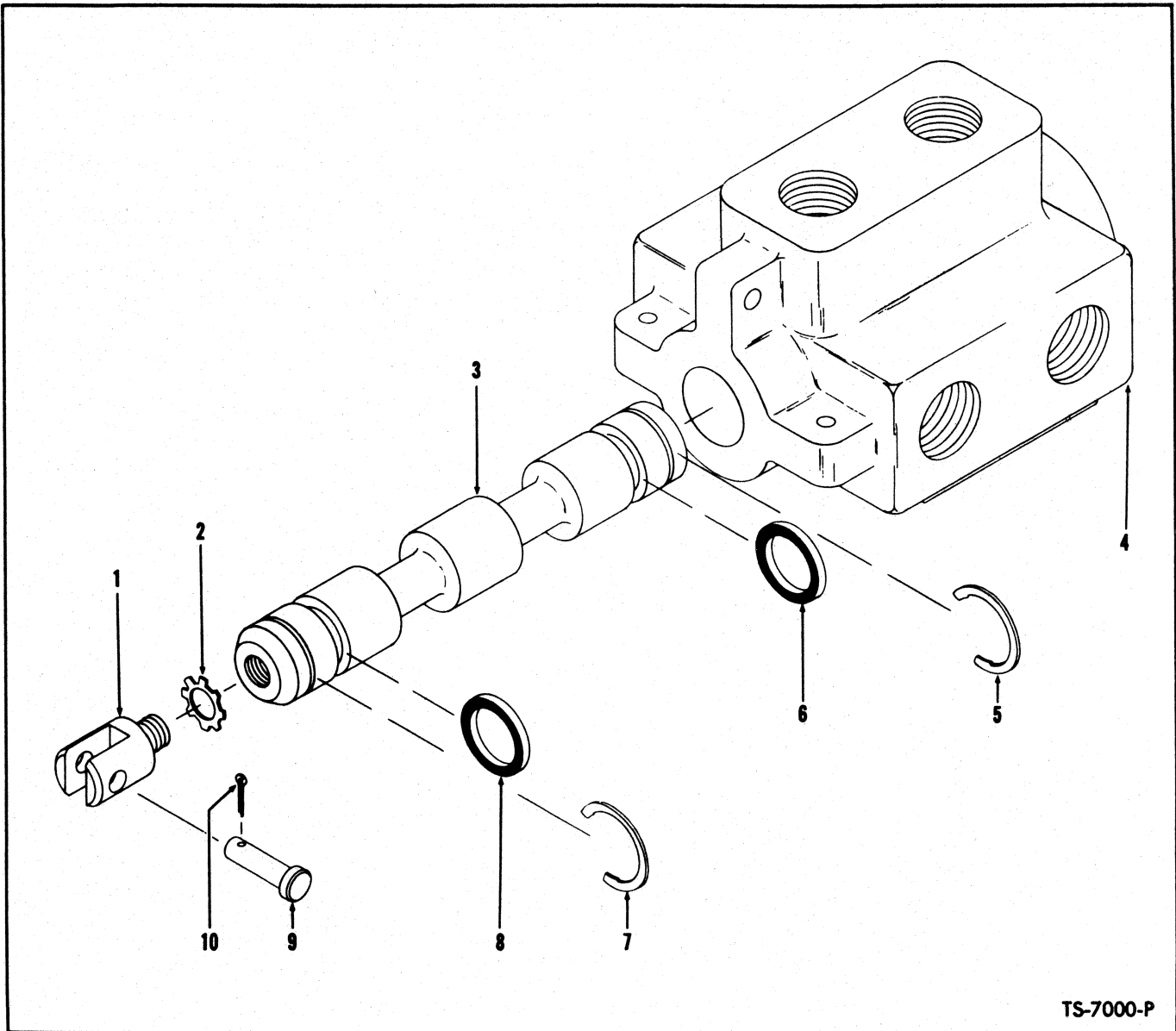
TS-13011

**Valve Controls – Steering Selector**

No.	Part No.	Qty.	Description
1	509772	1	Knob
2	18D-08	1	Nut
3	567419	1	Lever assy
4	526767	1	Bushing
5	550646	1	Sleeve
6	616795	1	Washer
7	24C-840	1	Bolt
8	1F-310	1	Pin cotter
9	4F-06106	1	Pin clevis
10	2509079	1	Rod
11	24C-420	1	Bolt
12	24C-640	2	Bolt
13	4E-06	2	Lockwasher
14	_____	1	Valve assy
15	18D-04	1	Nut
16	12H-15	1	Fitting grease

See Index





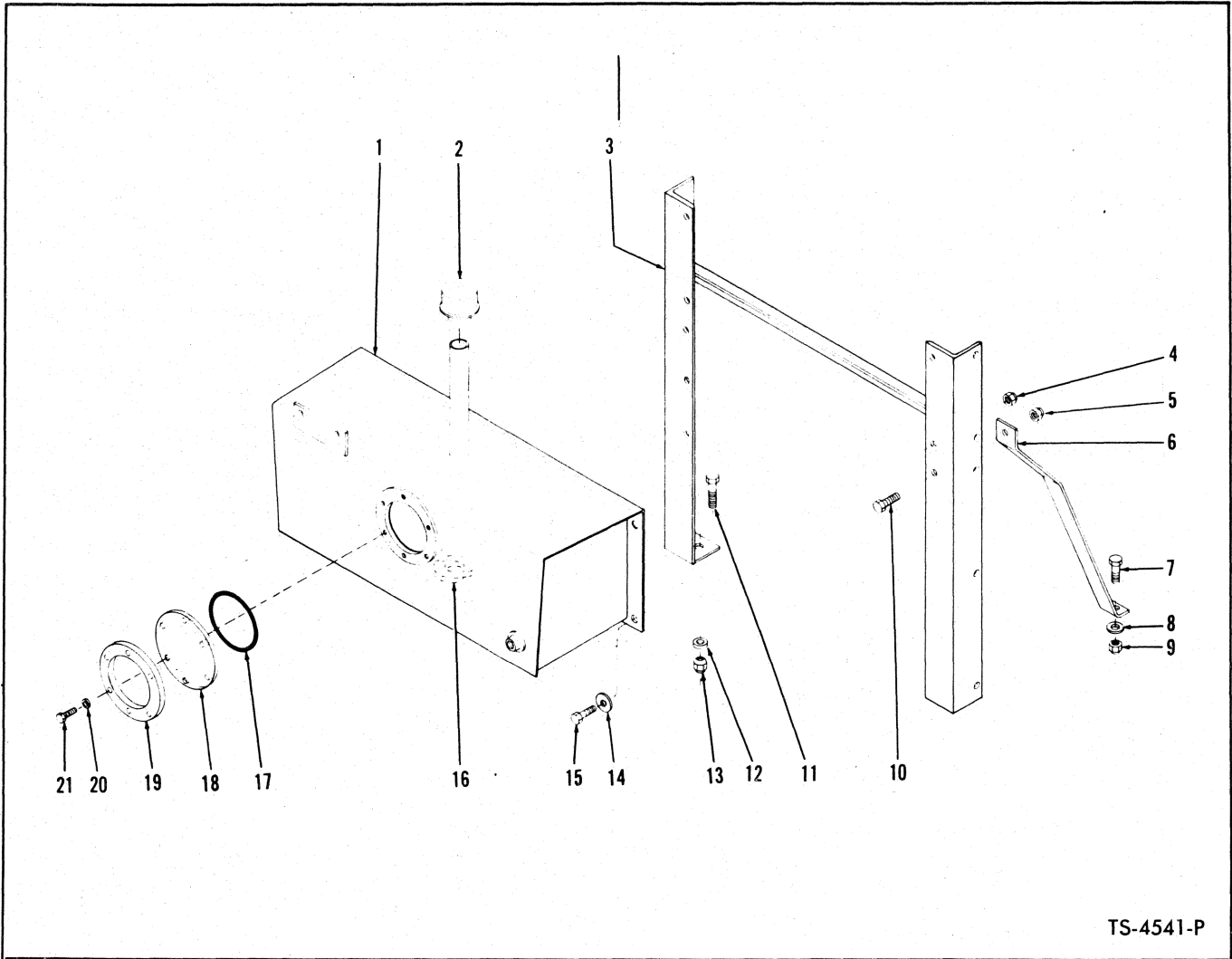
TS-7000-P

**FOUR WHEEL STEER SELECTOR VALVE**

Item No.	Part No.	Description	No. Req'd.
A	567418	VALVE ASSY, Four Wheel Selector (Inc. 1 thru 10)	1
1	898372	ADAPTER, Handle	1
2	9E-06	LKWSHR, Handle Adapter	1
3	---	§SPOOL, Valve - See "A"	1
4	---	§HOUSING, Valve - See "A"	1
5	946466	RING, Seal Retaining	1
6	1524300	SEAL, Spool	1
7	946466	RING, Seal Retaining	1
8	1524300	SEAL, Spool	1
9	1304227	PIN, Handle	1
10	1F-208	COTTER, Handle Pin	1

§Not Sold Separately

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

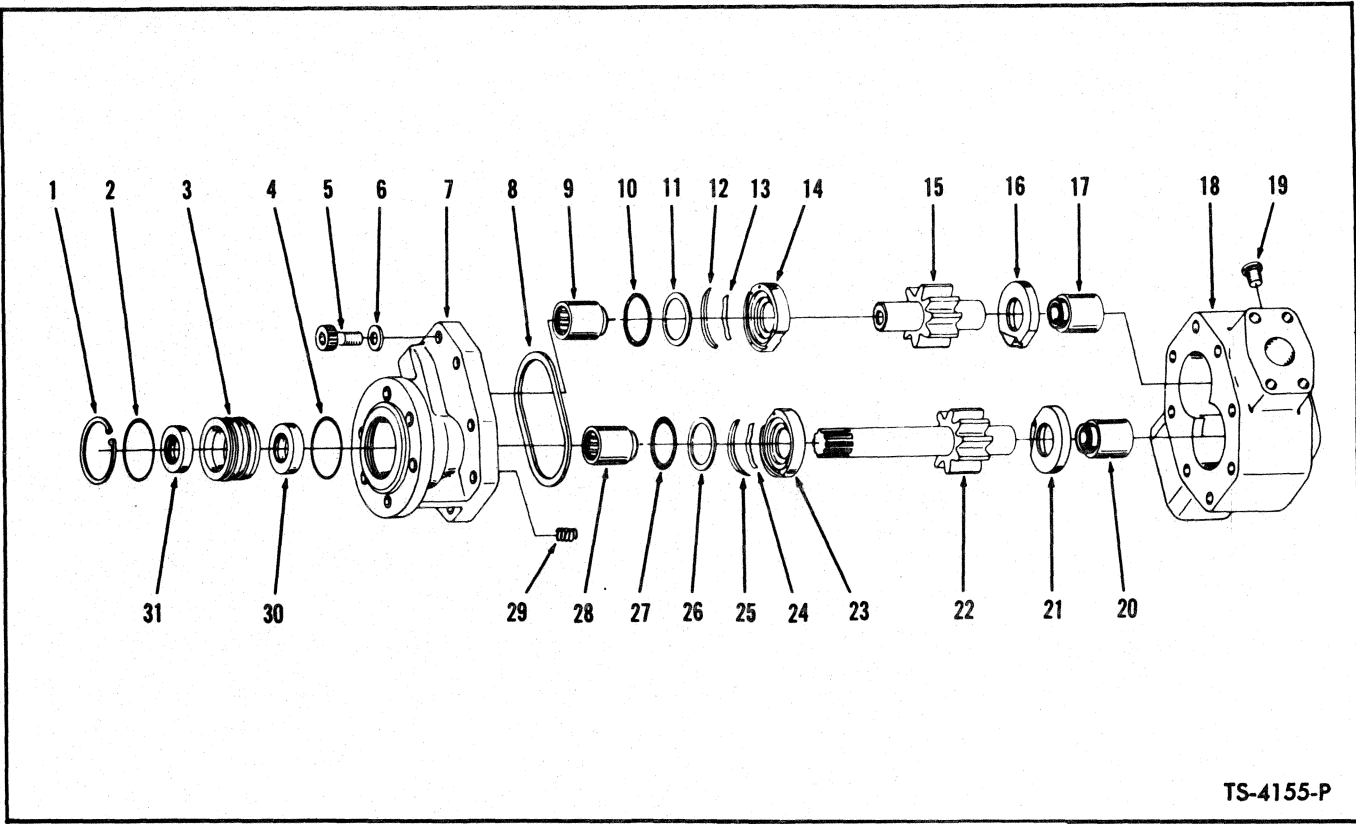


TS-4541-P

**RESERVOIR AND MOUNTING PARTS**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		RESERVOIR, Hydraulic Oil		10	24C-616	BOLT, Support Brace to Support .....	2
1A	584116	For Continental and G.M.	1	11	24C-824	BOLT, Reservoir Support to Frame .....	2
1B	567351	For Waukesha	1	12	71D-08	BASE, Support to Frame Nut .....	2
2	604639	CAP, Reservoir Breather	1	13	70D-08	NUT, Support to Frame .....	2
3	586464	SUPPORT, Reservoir	1	14	25E-21	WASHER, Reservoir to Support .....	2
4	18D-08	NUT, Reservoir to Support	4	15	24C-820	BOLT, Reservoir to Support .....	4
5	18D-06	NUT, Support Brace to Support	2	16	525293	MAGNET, Reservoir	1
6	585496	BRACE, Reservoir Support	2	17	25K-40428	O-RING, Inspection Cover .....	1
7	24C-824	BOLT, Support Brace to Frame .....	2	18	550389	COVER, Inspection	1
8	71D-08	BASE, Support to Frame	2	19	550398	RING, Clamp — Inspection Cover	1
9	70D-08	NUT, Support Brace to Frame	2	20	4E-06	LKWSHR, Inspection Cover to Reservoir	6
				21	24C-616	BOLT, Inspection Cover to Reservoir ....	6

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



TS-4155-P

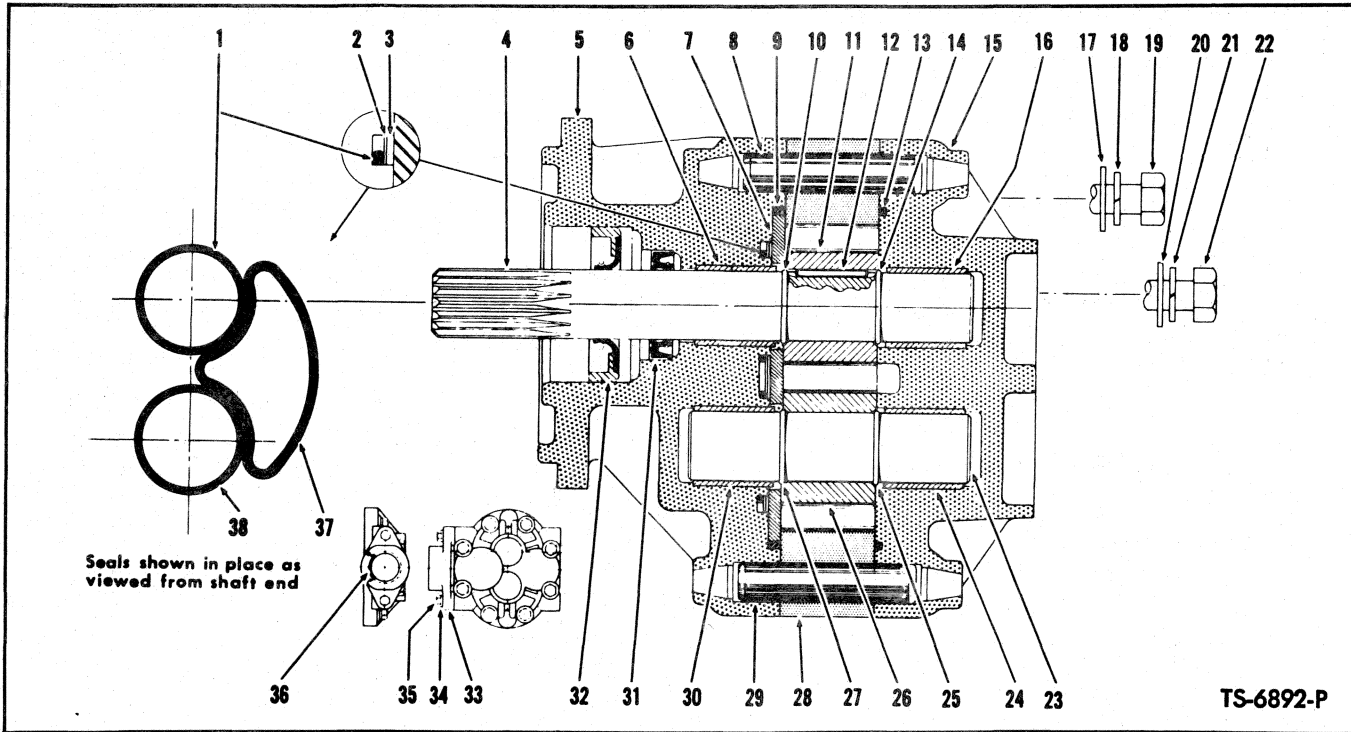
**HYDRAULIC PUMP – BOOM AND BUCKET**

For Serial: G.M. – C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-21  
CONTINENTAL – C3WCO9-10 thru C3WCO9-74

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450161	***PUMP ASSY (Inc. 1 thru 31)	1	14	---	§THRUST PLATE, Cover	1
B	498197	*REPAIR KIT, Minor (Inc. 2, 4, 5, 6, 8, 10, 11, 26, 27, 29)	1	15	---	§GEAR, Driven	1
C	498198	REPAIR KIT, Thrust Plate (Inc. 12, 13, 14, 16, 21, 23, 24, 25)	1	16	---	§THRUST PLATE, Body	1
D	498199	GEAR SET, Drive & Driven (Inc. 15, 22)	1	17	---	§BEARING, Body	1
E	498201	REPAIR KIT, Shaft Seal (Inc. 1, 2, 3, 4, 30, 31)	1	18	---	**§BODY, Pump – See "A"	1
F	498222	REPAIR KIT, Bearing (Inc. 9, 17, 20, 28)	1	19	---	§PLUG, Body	1
1	---	§RING, Shaft Seal Retaining	1	20	---	§BEARING, Body	1
2	---	§"O" RING, Oil Seal Retainer	1	21	---	§THRUST PLATE, Body	1
3	---	§RETAINER, Shaft Seal	1	22	---	§GEAR, Drive	1
4	---	§O-RING, Oil Seal Retainer	1	23	---	§THRUST PLATE, Cover	1
5	---	§BOLT, Cover to Body	8	24	---	§SPRING, Wave	1
6	---	§WASHER, Cover to Body	8	25	---	§RING, Mask-Off	1
7	---	**§COVER, Pump – See "A"	1	26	---	§RING, O-Ring Back-Up	1
8	---	§GASKET, Cover to Body	1	27	---	§O-RING, Cover Thrust Plate	1
9	---	§BEARING, Cover	1	28	---	§BEARING, Cover	1
10	---	§RING, Cover Thrust Plate	1	29	---	§SPRING, Cover Thrust Plate	3
11	---	§RING, "O" Ring Back-Up	1	30	---	§SEAL, Inner Oil	1
12	---	§RING, Mask-Off	1	31	---	§SEAL, Outer Oil	1
13	---	§SPRING, Wave	1	32	235961	†GASKET – Pump to Converter	1
				33	214962	†SLEEVE, Pump Drive	1
				34	8D-06	†NUT, Pump to Converter	3
				35	4E-06	†LKWSHR, Pump to Converter	3

\*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.  
 \*\*\*NOTE: For complete replacement use 1521270 Pump (See Page 114) Plus 1 – 573585 Stem, 1 – 545204 Adapter Union, 3 – 25E-17 Washer, 1–91F11 O-ring & 1–91F8 O-ring.  
 §Not Sold Separately  
 †Not Illustrated

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



TS-6892-P

**HYDRAULIC PUMP – BOOM & BUCKET**

For Serial: G.M. – C5WG9-22 thru C5WG9-999, 7WG101 & After  
Waukesha – C3WA9-10 thru C3WA9-999  
Continental – C3WCO9-75 thru C3WCO9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1521270	*PUMP ASSY (Inc. 1 thru 38)	1	23	---	§SHAFT, Driven	1
B	946424	SEAL KIT (Inc. 1, 2, 3, 9, 13, 31, 32, 36, 37, 38)	1	24	---	§BUSHING, Shaft	1
1	---	§O-RING	1	25	---	§RING, Retaining	1
2	---	§RING, Back-Up	1	26	---	§GEAR, Driven	1
3	---	§RING, Back-Up	1	27	---	§RING, Retaining	1
4	---	§SHAFT, Drive	1	28	---	§RING, Retaining	1
5	---	§ADAPTER, Pump	1	29	---	§HOUSING, Pump	1
6	---	§BUSHING, Shaft	1	30	---	§DOWEL, Adapter & Cover	1
7	---	§PLATE, Wear	1	31	---	§BUSHING, Shaft	1
8	---	§DOWEL, Adapter & Cover	1	32	---	§SEAL, Shaft	1
9	---	§O-RING	1	33	---	§SEAL, Shaft	1
10	---	§RING, Retaining	1	34	---	§FLANGE, Inlet	1
11	---	§GEAR, Drive	1	35	---	§LKWSHR, Flange Attaching	2
12	---	§DOWEL	1	36	---	§BOLT, Flange Attaching	2
13	---	§O-RING	1	37	---	§O-RING	1
14	---	§RING, Retaining	1	38	---	§O-RING	1
15	---	§COVER, Pump	1	39	214962	**†SLEEVE, Pump Drive	1
16	---	§BUSHING, Shaft	1	40	235961	†GASKET, Pump to Conv.	1
17	---	§WASHER, Cover Mounting	4	41	1722717	***†STUD, Pump Mounting	3
18	---	§LKWSHR, Cover Mounting	4	42	4E-06	**†LKWSHR, Pump Mounting	3
19	---	§BOLT, Cover Mounting	4	42A	9E-06	***†LKWSHR, Pump Mounting	3
20	---	§WASHER, Cover Mounting	4	43	8D-06	†NUT, Pump Mounting	3
21	---	§LKWSHR, Cover Mounting	4	44	25E-17	**†WASHER, Pump Mounting	3
22	---	§BOLT, Cover Mounting	4	44A	25E-17	***†WASHER, Pump Mounting	3

\*NOTE: The above listed pump, with the exception of seal kit listed, is not considered rebuildable in the field. Due to extremely close tolerances involved and extensive break-in test required, the cost of equipment needed and parts plus labor would exceed cost of replacement pump. Order replacement pump by part number listed.

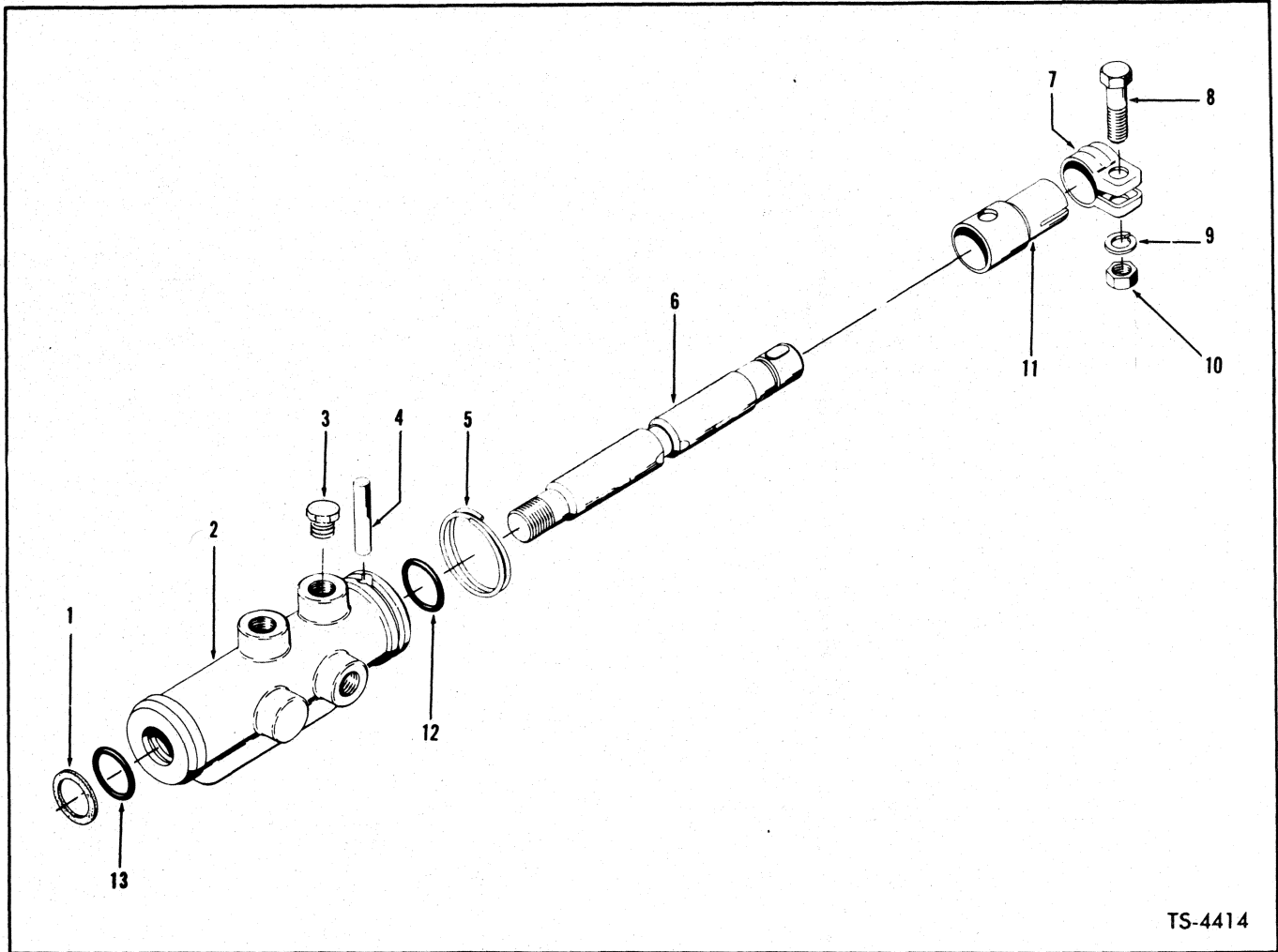
\*\*G.M. C5WG9-22 thru C5WG9-999, Wauk. C3WA9-10 thru C3WA9-999, Continental C3WCO9-75 thru C3WCO9-999.

\*\*\*G.M. 7WG101 & After

§Not Sold Separately

†Not Illustrated

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



TS-4414

**BUCKET LEVEL VALVE**

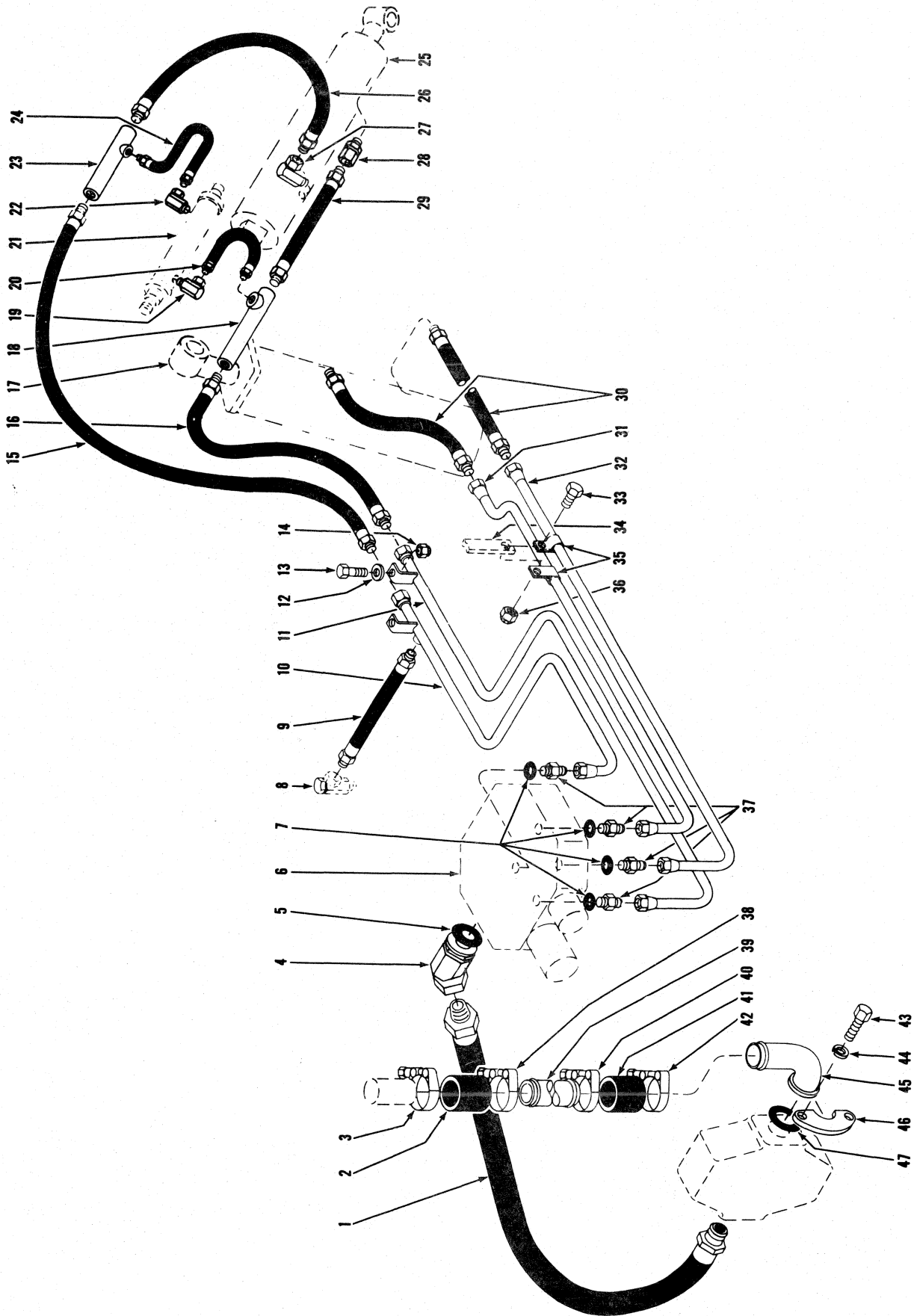
Item No.	Part No.	Description	No. Req'd.
A	586420	VALVE ASSY, Bucket Level (Inc. 1 thru 13) .....	1
1	945409	WASHER, Back-up .....	1
2	-----	§BODY (See A) .....	—
3	40K-04	PLUG, Body Pipe .....	1
4	601938	PIN, Dowel .....	1
5	945407	RING, Dowel Pin Retaining .....	1
6	-----	§SPOOL (See A) .....	—
7	100744	CLAMP .....	1
8	24C-520	BOLT .....	1
9	4E-05	LKWSHR .....	1
10	62D-05	NUT .....	1
11	945408	SLEEVE .....	1
12	945411	O-RING .....	1
13	945411	O-RING .....	1

§Not Sold Separately

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

TS-6960-P

HYDRAULIC SYSTEM — BOOM AND BUCKET





HYDRAULIC SYSTEM — BOOM AND BUCKET

For Serial: G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-21  
Continental — C3WCO9-10 thru C3WCO9-74

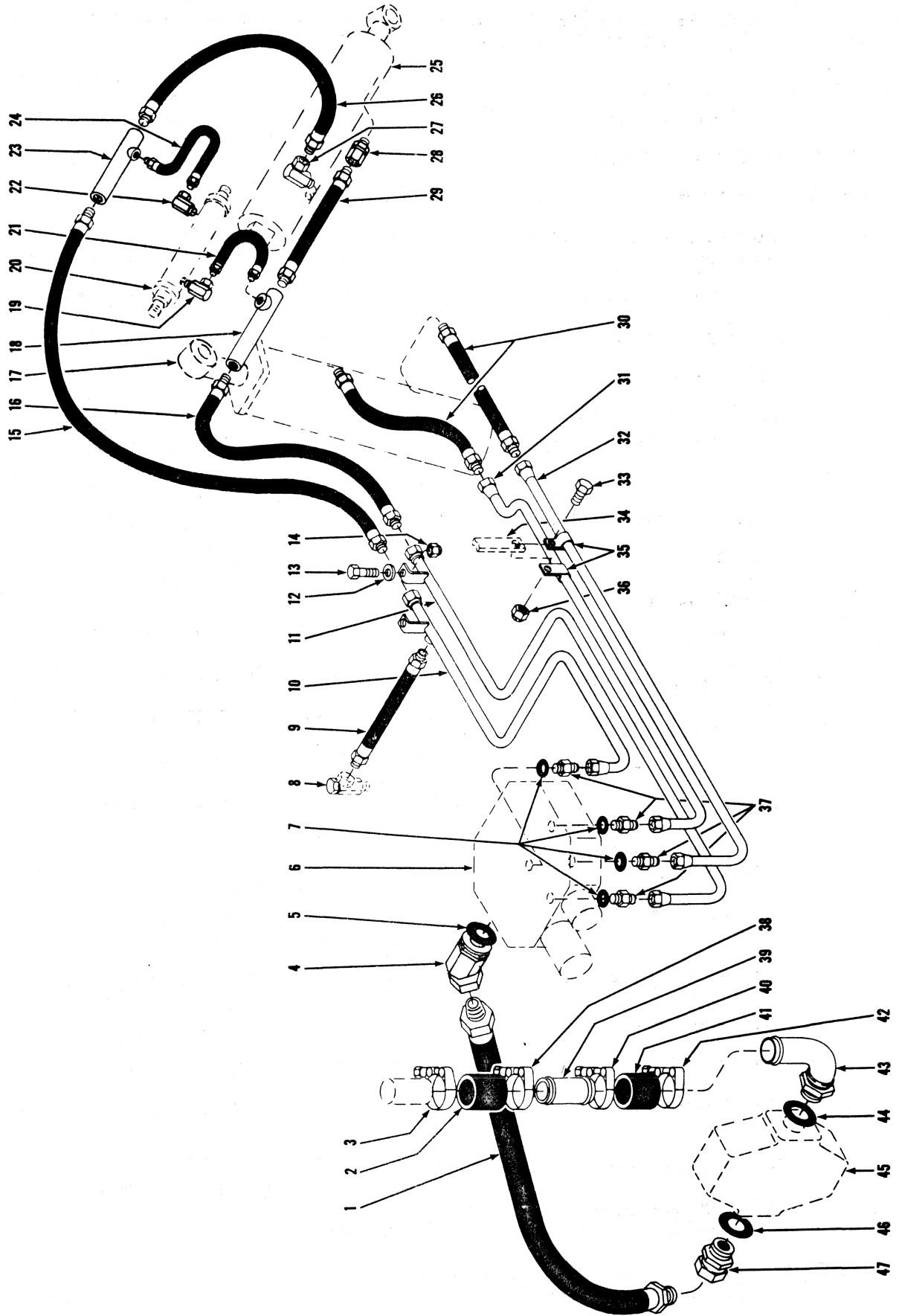
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585867	HOSE, Pump to Valve	1	24	661558	HOSE, Coupling to Valve	1
2	536710	HOSE, Tube to Reservoir	1	25	-----	BUCKET CYLINDER — See Index	—
3	1545004	CLAMP, Hose	1	26	659678	HOSE, Coupling to Cylinder — Base End	1
4	583210	ADAPTER UNION, Hose to Valve (Inc. 5)	1	27	553843	ADAPTER UNION, Hose to Cylinder	1
5	91F-8	O-RING, Adapter Union	1	28	36F-5	ADAPTER, Hose to Cylinder	1
6	-----	CONTROL VALVE — See Index	—	29	612390	HOSE, Coupling to Cylinder — Rod End	1
7	91F-9	O-RING, Adapter	4	30	612390	HOSE, Tube to Cylinder	2
8	-----	CHECK VALVE — See Steering Hydraulic System — Index	—	31	585863	TUBE, Boom Cylinder — Rod End	1
9	661558	HOSE, Tube to Valve	1	32	585864	TUBE, Boom Cylinder — Base End	1
10	585861	TUBE, Bucket Cylinder — Base End	1	33	24C-620	BOLT, Clip to Bracket	1
11	585862	TUBE, Bucket Cylinder — Rod End	1	34	-----	BRACKET, Tube Mounting — Welded to Floorboard	—
12	619021	WASHER, Tube Mounting Bolt	2	35	30H-50	CLIP, Tube Mounting	2
13	24C-620	BOLT, Tube Mounting	2	36	18D-06	NUT, Clip to Bracket Bolt	1
14	18D-06	NUT, Tube Mounting Bolt	2	37	1302659	ADAPTER, Tube to Valve (Inc. 7)	4
15	585867	HOSE, Tube to Coupling	1	38	1545004	CLAMP, Hose	1
16	585867	HOSE, Tube to Coupling	1	39	-----	*TUBE, Pump Suction	—
17	-----	BOOM CYLINDER — See Index	—	39A	562617	Serial Group "A"	1
18	586426	COUPLING, Bucket Cylinder — Rod End Hose	1	39B	585340	Serial Group "B"	1
19	517089	ADAPTER UNION, Hose to Valve (Inc. 19A)	1	40	1545004	CLAMP, Hose	1
19A	91F-6	†O-RING, Adapter Union	1	41	536710	HOSE, Tube to Stem	1
20	661558	HOSE, Coupling to Valve	1	42	1545004	CLAMP, Hose	1
21	-----	LEVEL VALVE — See Index	—	43	23C-724	BOLT, Flange Half to Pump	4
22	517089	ADAPTER UNION, Hose to Valve (Inc. 22A)	1	44	4E-07	LKWSHR, Flange Half to Pump Bolt	4
22A	91F-6	†O-RING, Adapter Union	1	45	593505	STEM, Pump — Suction	1
23	586428	COUPLING, Bucket Cylinder — Base End Hose	1	46	19J-20	FLANGE HALF, Split	2
				47	58K-222	O-RING, Stem	1

†Not Illustrated

\*Serial Group "A" — G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-21  
Serial Group "B" — Continental — C3WCO9-10 thru C3WCO9-74

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

TS-6905-P



HYDRAULIC SYSTEM — BOOM AND BUCKET





HYDRAULIC SYSTEM — BOOM & BUCKET
For Serial: G.M. — C5WG9-22 thru C5WG9-999, 7WG101 & After
Waukesha — C3WA9-10 thru C3WA9-999
Continental — C3WCO9-75 thru C3WCO9-999

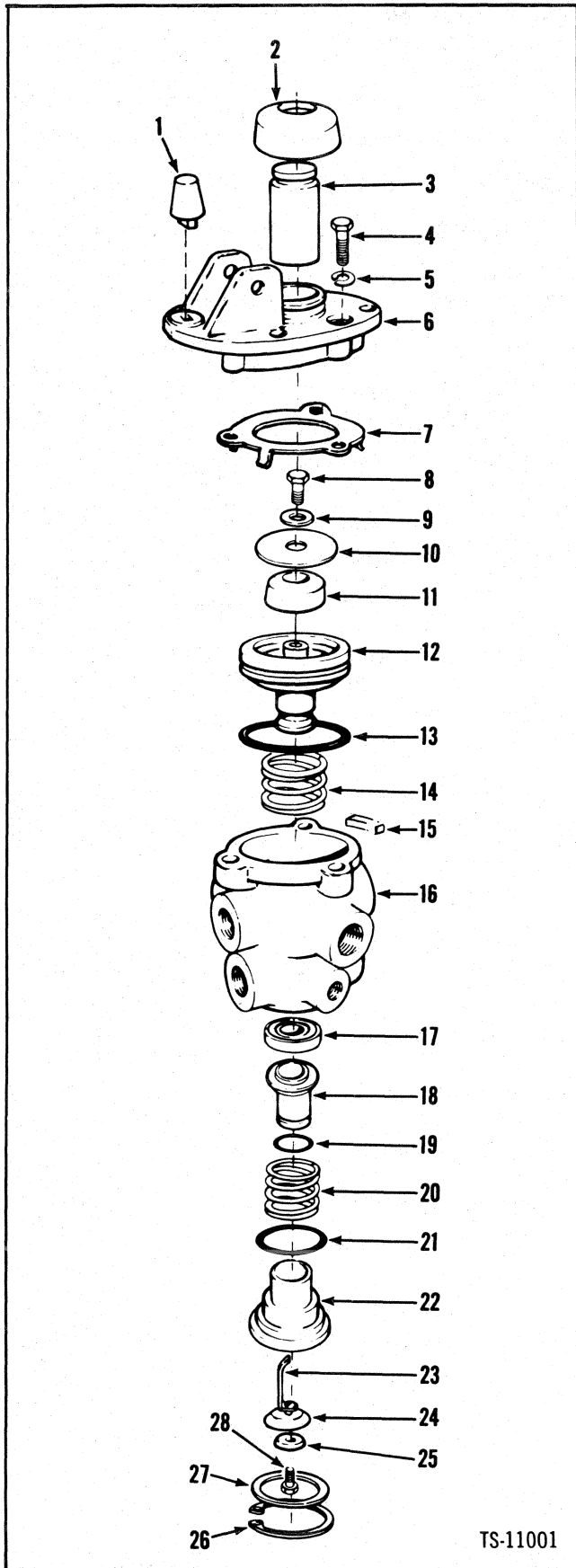
Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. Lists various hydraulic components like hoses, valves, and cylinders with their respective part numbers and quantities.

†Not Illustrated

\*Serial Group "A" G.M. — C5WG9-22 thru C5WG9-999, 7WG101 & After
Serial Group "B" Waukesha — C3WA9-10 thru C3WA9-999
Continental — C3WCO9-75 thru C3WCO9-999

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

**Valve, Air Brake**



No.	Part No.	Qty.	Description
A	<sup>6</sup> 1945996	2	Valve brake
B	<sup>3</sup> 3290125	1	Repair kit
C	<sup>3</sup> 3290124	1	Repair kit
D	<sup>4</sup> 3290099	1	Repair kit
E	<sup>5</sup> 3290106	1	Repair kit
1	513932	1	Stop
2	875762	1	Boot
3	3290122	1	Plunger
4	1C-520	3	Bolt
5	4E-05	3	Lockwasher
6	949260	1	Plate
7	894543	1	Retainer
8	21C-410	1	Bolt
9	894542	1	Washer
10	894541	1	Seat
11	894540	1	Spring
12	894539	1	Piston
13	25K-40204	1	O-ring
14	875754	1	Spring
15	949261	1	Filter
16	3290105	1	Body
17	894537	1	Retainer
18	894536	1	Valve
19	25K-20020	1	O-ring
20	894536	1	Spring
21	25K-30112	1	O-ring
22	894535	1	Seat
23	894534	1	Spring
24	894533	1	Diaphragm
25	894532	1	Washer
26	661415	1	Ring
27	949264	1	Washer
28	87G-806	1	Screw

<sup>1</sup>Inc. 1→28

<sup>2</sup>Inc. 1, 2, 11, 13, 14, 15, 18, 19, 20, 21, 23, 24

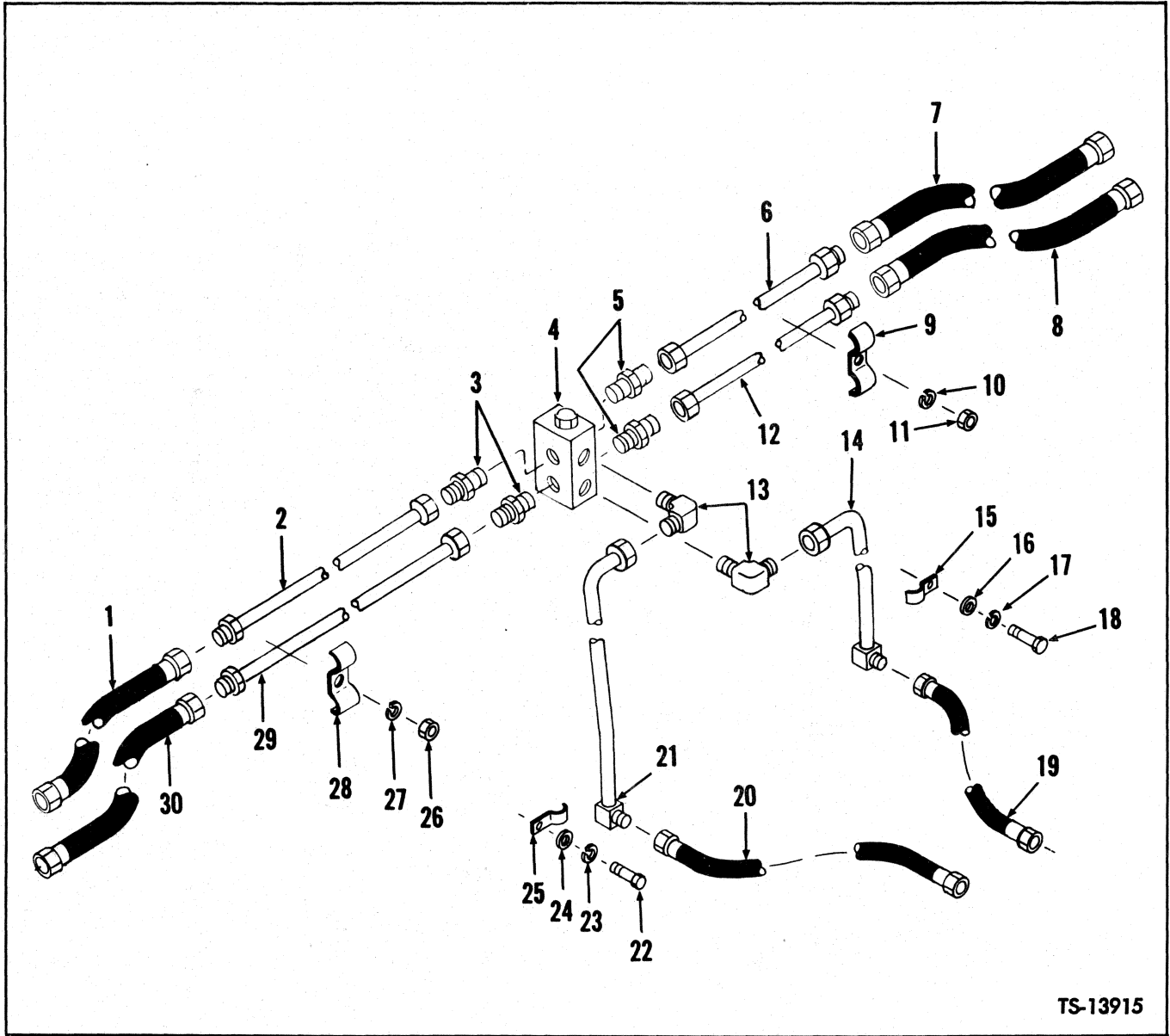
<sup>3</sup>Inc. 1, 2, 11, 18, 19, 21, 24

<sup>4</sup>Inc. 8→12

<sup>5</sup>Inc. 17→25, 28

<sup>6</sup>Note: Two (2) Brake Valves used per machine –  
Quantities listed below are for one (1) assy.

TS-11001



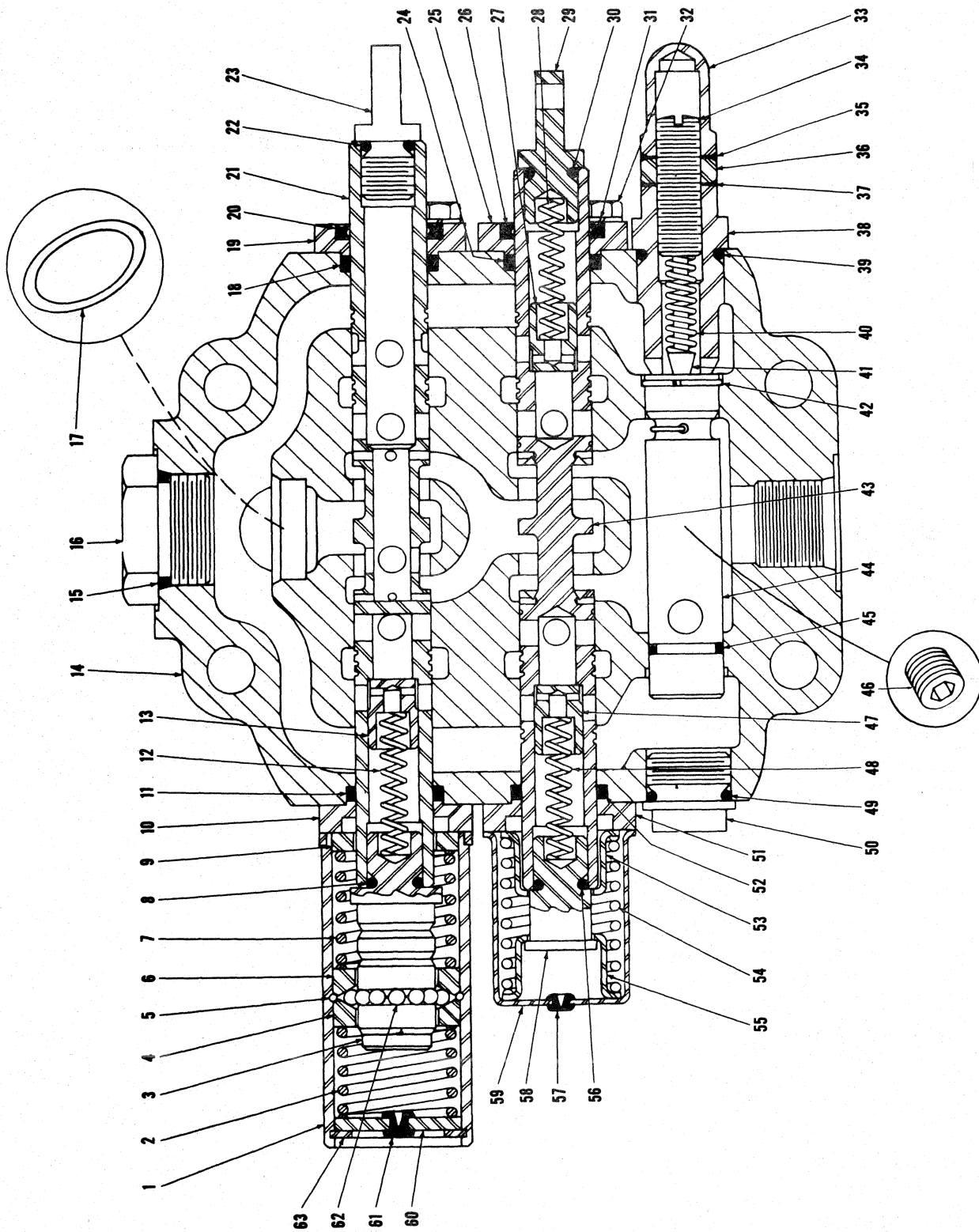
TS-13915

**HYDRAULIC SYSTEM, DROTT BUCKET ATTACHMENT**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1533555	HOSE ASSY .....	1	16	25E-16	WASHER .....	1
2	1533368	TUBE .....	1	17	4E-06	LOCKWASHER .....	1
3	89F-7	ADAPTER .....	2	18	15C-616	BOLT .....	1
4	1534599	VALVE RELIEF .....	1	19	572349	HOSE ASSY .....	1
5	89F-7	ADAPTER .....	2	20	572349	HOSE ASSY .....	1
6	1533368	TUBE .....	1	21	1533645	TUBE .....	1
7	1533555	HOSE ASSY .....	1	22	15C-616	BOLT .....	1
8	1533555	HOSE ASSY .....	1	23	4E-06	LOCKWASHER .....	1
9	1533623	CLAMP .....	1	24	25E-16	WASHER .....	1
10	4E-06	LOCKWASHER .....	1	25	1533347	CLAMP .....	1
11	61D-06	NUT .....	1	26	1D-06	NUT .....	1
12	1533368	TUBE .....	1	27	4E-06	LOCKWASHER .....	1
13	730149	ELBOW .....	2	28	1533623	CLAMP .....	1
14	1533644	TUBE .....	1	29	1533368	TUBE .....	1
15	1533347	CLAMP .....	1	30	1533555	HOSE ASSY .....	1

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

TS-3894-P



CONTROL VALVE ASSEMBLY



CONTROL VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	584118	** VALVE ASSY (Inc. 1 thru 63)	1	33	944853	NUT, Acorn	1
1	945355	COVER, Detent	1	34	944890	SCREW, Adjusting	1
2	945356	SPRING	1	35	613750	GASKET	1
3	945357	CAP, Detent	1	36	8D-08	NUT, Jam	1
4	886758	RETAINER, Ball	1	37	613750	GASKET	1
5	945359	RING, Ball Retainer Retaining	1	38	945732	CAP, Relief	1
6	886758	RETAINER, Ball	1	39	58K-210	O-RING, Relief Cap	1
7	945358	SPRING	1	40	886753	SPRING, Relief	1
8	25K-30014	O-RING, Detent Cap	1	41	886739	POPPET, Relief	1
9	945360	SPACER, Spring Guide	1	42	945229	RING, Relief Valve Retaining	1
10	945224	PLATE, Seal Retaining	1	43	-----	§ PLUNGER, Operating (See "A")	1
11	945225	SEAL, Plunger Oil	1	44	946241	VALVE ASSY, Relief (Inc. 42, 45)	1
12	871388	SPRING, Check	1	45	25K-20024	O-RING, Relief Valve	1
13	945590	CHECK, Plunger	1	46	16F-04	PLUG	1
14	-----	§ HOUSING, Valve (See "A")	1	47	945590	CHECK, Plunger	1
15	91F-10	O-RING, Plug	1	48	871388	SPRING, Check	1
16	24K-10	PLUG, Housing	1	49	58K-210	O-RING, Cap	1
17	25K-40106	O-RING, Valve to Reservoir	1	50	945227	CAP	1
18	945225	SEAL, Plunger Oil	1	51	945224	PLATE, Seal Retainer	1
19	945224	PLATE, Seal Retaining	1	52	945225	SEAL, Plunger Oil	1
20	1302437	WIPER, Plunger	1	53	888451	GUIDE, Spring	1
21	-----	§ PLUNGER, Operating (See "A")	1	54	888455	SPRING	1
22	25K-30014	O-RING, Plunger Eye	1	55	888451	GUIDE, Spring	1
23	945226	EYE, Plunger	1	56	25K-30014	O-RING	1
24	945225	SEAL, Plunger Oil	1	57	886745	PLUG, Bleeder	1
25	945224	PLATE, Seal Retaining	1	58	888456	CAP, Plunger	1
26	1302437	WIPER, Plunger	1	59	886749	COVER, Plunger	1
27	945590	CHECK, Plunger	1	60	886762	PLUG	1
28	945503	SPRING, Check	1	61	886763	PLUG, Bleeder	1
29	945226	EYE, Plunger	1	62	10J-06	BALL	15
30	25K-30014	O-RING, Plunger Eye	1	63	755855	RING, Plug Retaining	1
31	4E-05	LKWSHR	8	64	24C-860	† BOLT, Valve to Reservoir	3
32	23C-514	BOLT	8	65	4E-08	† LKWSHR, Valve to Reservoir	3

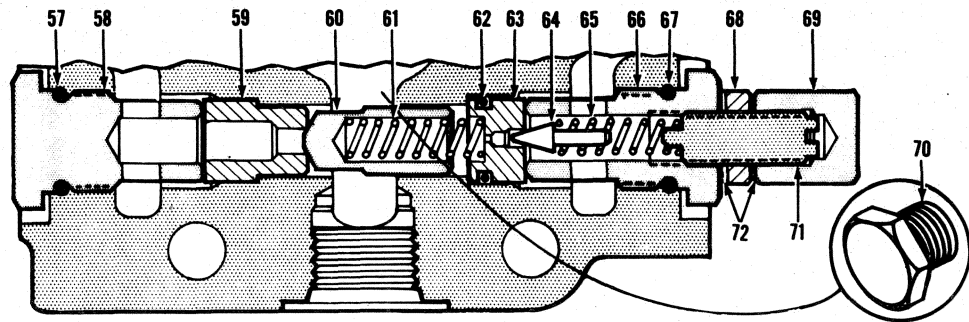
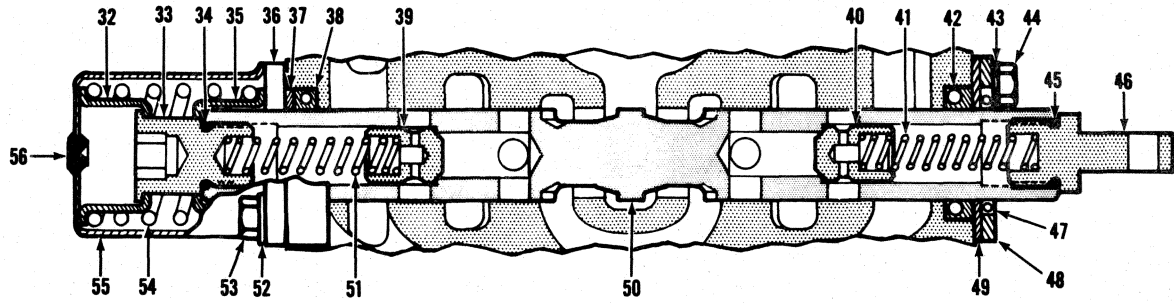
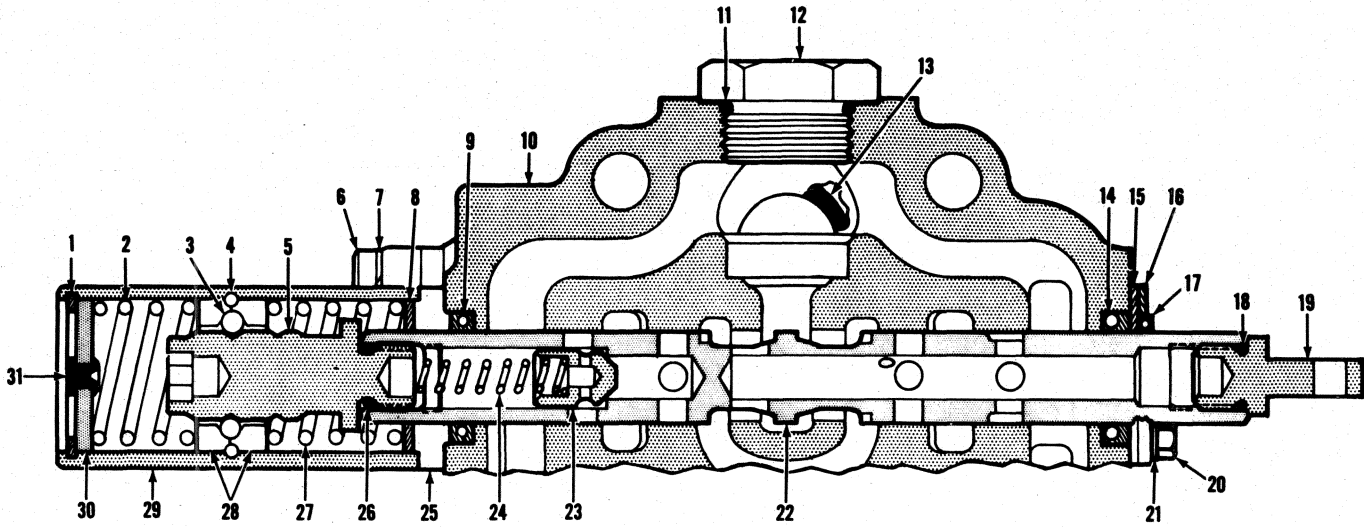
§ Not Sold Separately

† Not Illustrated

\* NOTE: For replacement of 946241 use 946861. 946861 includes one (1) 945229 Retainer and one (1) 58K-018 O-Ring.

\*\* NOTE: For replacement use 2510880 plus 3-24C-864 Bolts.

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



[122A.1]

(1H23)

PM 2988  
Printed in U.S.A.

TS-14061

# Valve Assembly, Main

MICHIGAN

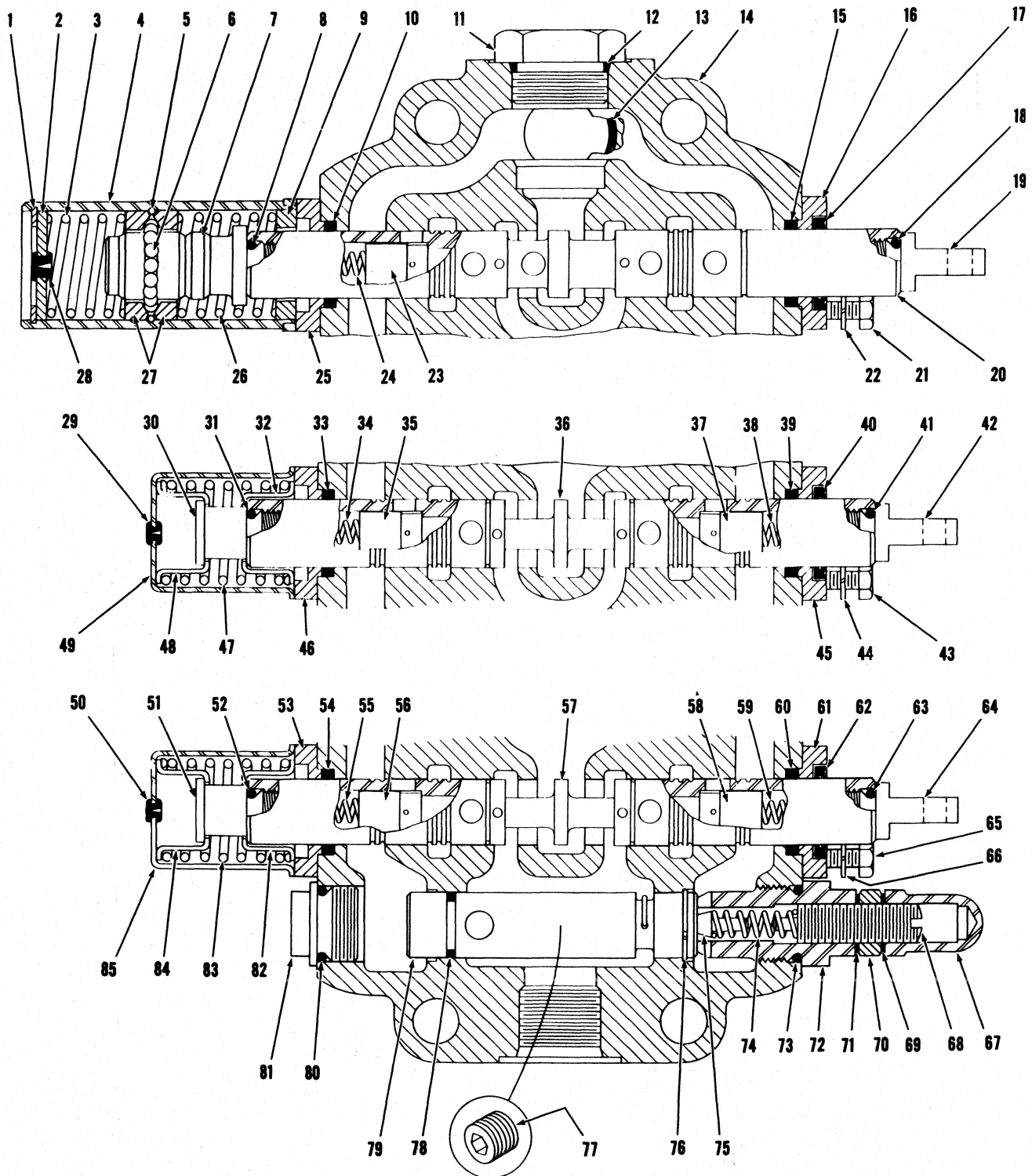
No.	Part No.	Qty.	Description
A	<sup>2</sup> 2510880	1	Valve assy
B	<sup>3</sup> 960973	1	Detent assy
1	755855	1	Ring
2	945356	1	Spring
3	10J-06	15	Ball
4	945359	1	Ring
5	945357	1	Cap
6	11G-520	2	Bolt
7	4E-08	2	Lockwasher
8	961007	1	Spacer
9	961004	1	Seal
10	§ <sup>4</sup> -----	—	Housing
11	91F-10	1	O-ring
12	24K-10	1	Cap
13	25K-40106	1	O-ring
14	961004	1	Seal
15	960966	1	Plate
16	960967	1	Plate
17	960968	1	Wiper
18	25K-30014	1	O-ring
19	945226	1	Eye
20	1C-512	2	Bolt
21	4E-05	2	Lockwasher
22	§ <sup>4</sup> -----	—	Plunger
23	945590	1	Check
24	871388	1	Spring
25	960971	1	Plate
26	25K-30014	1	O-ring
27	945358	1	Spring
28	886758	2	Retainer
29	960974	1	Cover
30	886762	1	Plug
31	886763	1	Plug
32	888451	1	Retainer
33	888456	1	Cap
34	25K-30014	1	O-ring
35	888451	1	Retainer

No.	Part No.	Qty.	Description
36	960972	1	Plate
37	961006	1	Ring
38	961004	1	Seal
39	945590	1	Check
40	945590	1	Check
41	945503	1	Spring
42	961004	1	Seal
43	4E-05	2	Lockwasher
44	1C-512	2	Bolt
45	25K-30014	1	O-ring
46	945226	1	Eye
47	960968	1	Wiper
48	960967	1	Plate
49	960966	1	Plate
50	§ <sup>4</sup> -----	—	Plunger
51	871388	1	Spring
52	4E-05	2	Lockwasher
53	1C-512	2	Bolt
54	888455	1	Spring
55	886749	1	Cover
56	886745	1	Plug
57	58K-210	1	O-ring
58	980838	1	Cap
59	960963	1	Seat
60	960965	1	Check
61	947791	1	Spring
62	25K-30020	1	O-ring
63	960964	1	Seat
64	886739	1	Poppet
65	886753	1	Spring
66	980835	1	Cap
67	58K-210	1	O-ring
68	8D-08	1	Nut
69	49D-08	1	Nut
70	40K-04	1	Plug
71	980834	1	Screw
72	613750	2	Washer

<sup>2</sup>Inc. 1→72

<sup>3</sup>Inc. 1→8, 25→31

<sup>4</sup>See A



TS-4655



### Three Spool Valve Assembly

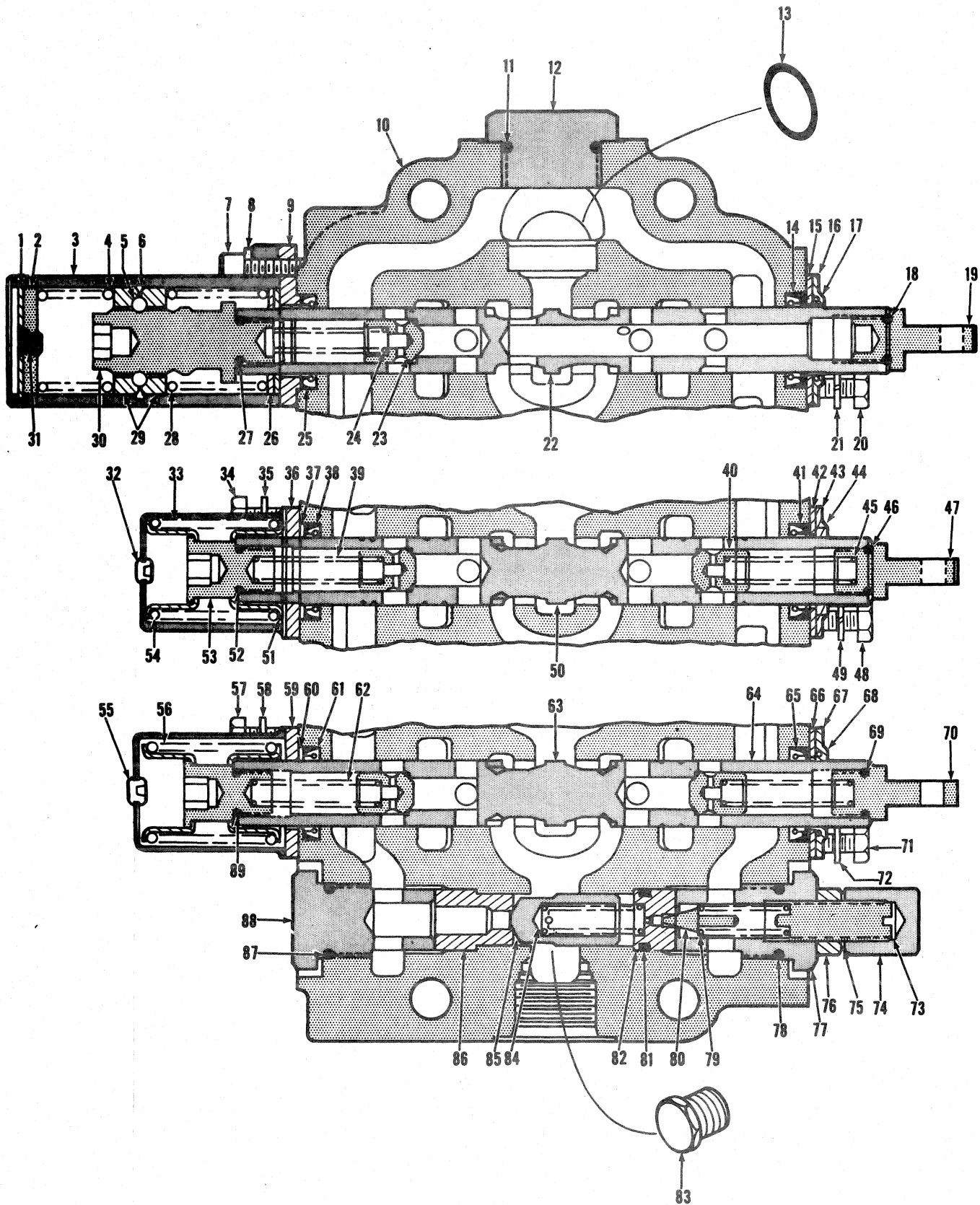
No.	Part No.	Qty.	Description	No.	Part No.	Qty.	Description
A	586434	1	Valve assy	46	945224	1	Retainer plate
1	755855	1	Ring snap	47	888455	1	Spring
2	886762	1	Plug	48	888451	1	Guide
3	945356	1	Spring	49	886749	1	Cover
4	945355	1	Cover	50	886745	1	Bleeder plug
5	945359	1	Ring snap	51	888456	1	Cap
6	10J-06	15	Ball	52	25K-30014	1	O-ring
7	945357	1	Cap	53	945224	1	Retainer plate
8	25K-30014	1	O-ring	54	945225	1	Ring
9	945360	1	Spacer	55	871388	1	Spring
10	945225	1	Ring	56	945590	1	Check
11	24K-10	1	Plug	57	§ <sup>3</sup> -----	1	Plunger
12	91F-10	1	O-ring	58	945590	1	Check
13	25K-40106	1	O-ring	59	871388	1	Spring
14	§ <sup>3</sup> -----	1	Housing	60	945225	1	Ring
15	945225	1	Ring	61	945224	1	Retainer plate
16	945224	1	Retainer plate	62	1302437	1	Wiper seal
17	1302437	1	Wiper seal	63	25K-30014	1	O-ring
18	25K-30014	1	O-ring	64	945226	1	Plunger eye
19	945226	1	Plunger eye	65	1C-514	4	Bolt
20	§ <sup>3</sup> -----	1	Plunger	66	4E-05	4	Lockwasher
21	1C-514	4	Bolt	67	944853	1	Acorn nut
22	4E-05	4	Lockwasher	68	944890	1	Adjusting screw
23	945590	1	Check	69	613750	1	Gasket
24	871388	1	Spring	70	8D-08	1	Nut
25	945224	1	Retainer plate	71	613750	1	Washer
26	945358	1	Spring	72	945732	1	Adjusting cap
27	886758	2	Retainer	73	58K-210	1	O-ring
28	886763	1	Bleeder plug	74	886753	1	Spring
29	886745	1	Bleeder plug	75	886739	1	Poppet
30	888456	1	Cap	76	945229	1	Ring snap
31	25K-30014	1	O-ring	77	16F-04	1	Plug
32	888451	1	Guide	78	58K-018	1	O-ring
33	945225	1	Ring	79	<sup>4</sup> 946861	1	Relief valve assy
34	871388	1	Spring	80	58K-210	1	O-ring
35	945590	1	Check	81	945227	1	Cap
36	§ <sup>3</sup> -----	1	Plunger	82	888451	1	Guide
37	945590	1	Check	83	888455	1	Spring
38	945503	1	Spring	84	888451	1	Guide
39	945225	1	Ring	85	886749	1	Cover
40	1302437	1	Wiper seal				
41	25K-30014	1	O-ring				
42	945226	1	Plunger eye				
43	1C-514	4	Bolt				
44	4E-05	4	Lockwasher				
45	945224	1	Retainer plate				

<sup>1</sup>Inc. 1→85 For replacement use 2510881 Valve Assy. plus 3-24C-864 Bolts.

<sup>2</sup>Inc. 12

<sup>3</sup>See A

<sup>4</sup>Inc. 76, 78



TS-14093 D

# Three Spool Valve Assembly

MICHIGAN

No.	Part No.	Qty.	Description
A	12510881	1	Valve assy
B	960973	1	Detent assy
1	755855	1	Ring snap
2	886762	1	Plug
3	960974	1	Cover
4	945356	1	Spring
5	10J-06	15	Ball
6	945359	1	Ring snap
7	11G-520	2	Bolt
8	4E-05	2	Lockwasher
9	960971	1	Plate
10	§ <sup>3</sup> -----	—	Housing
11	91F-10	1	O-ring
12	24K-10	1	Cap
13	25K-40108	1	O-ring
14	961004	1	Seal
15	960966	1	Plate
16	960967	1	Plate
17	960968	1	Wiper
18	25K-30014	1	O-ring
19	945226	1	Plunger eye
20	1C-512	2	Bolt
21	4E-05	2	Lockwasher
22	§ <sup>3</sup> -----	—	Plunger
23	945590	2	Check
24	871388	2	Spring
25	961004	1	Seal
26	961007	1	Spacer
27	25K-30014	1	O-ring
28	945358	1	Spring
29	886758	2	Retainer
30	945357	1	Cap
31	886763	1	Bleeder plug
32	886745	1	Bleeder plug
33	888455	1	Spring
34	1C-512	2	Bolt
35	4E-05	2	Lockwasher
36	960972	1	Plate
37	961006	1	Ring back-up
38	961004	1	Seal
39	871388	2	Spring
40	945590	2	Check
41	961004	1	Seal
42	960966	1	Plate
43	960967	1	Plate
44	960968	1	Wiper
45	945503	1	Spring
46	25K-30014	1	O-ring
47	945226	1	Plunger eye

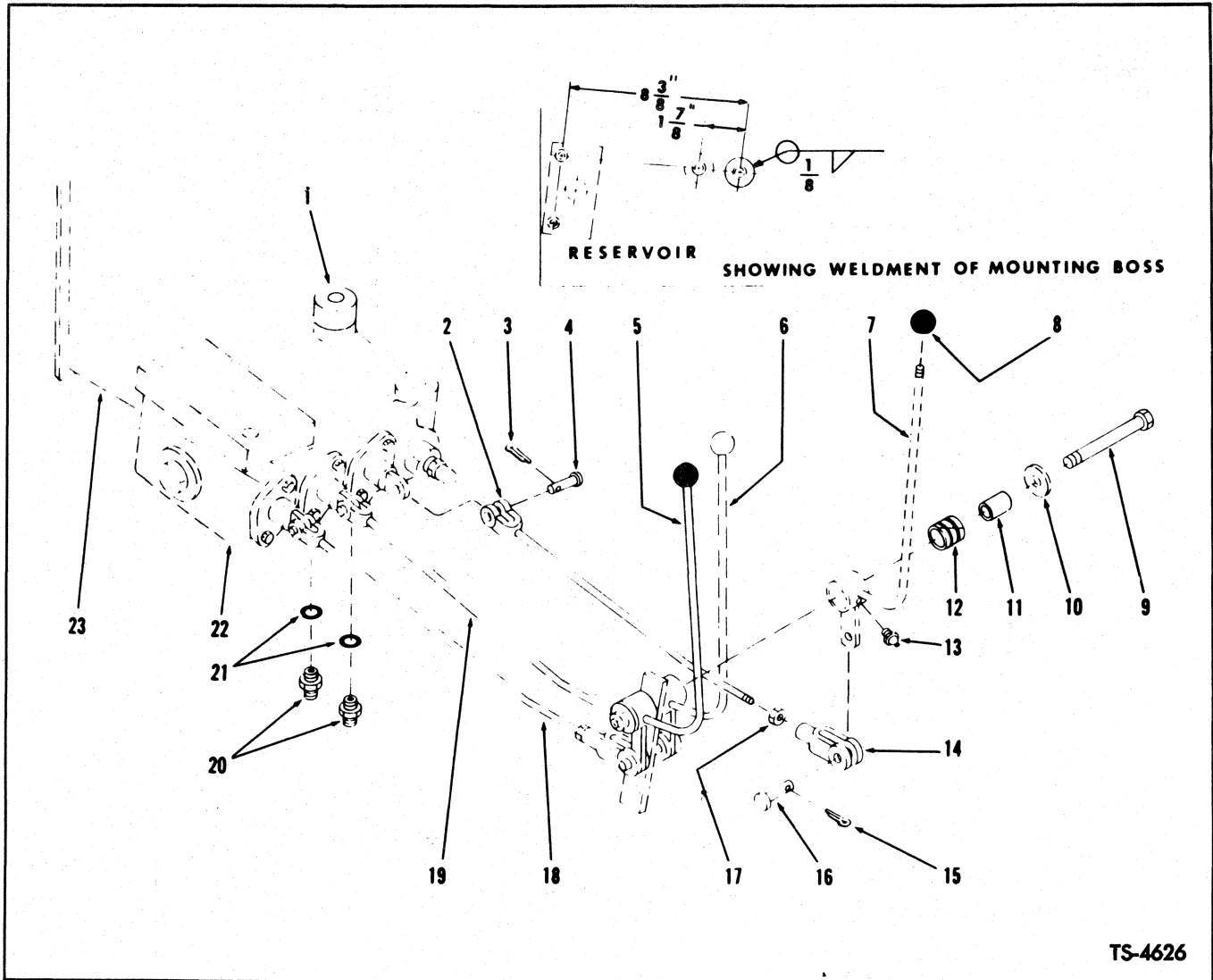
No.	Part No.	Qty.	Description
48	1C-512	2	Bolt
49	4E-05	2	Lockwasher
50	§ <sup>3</sup> -----	—	Plunger
51	888451	2	Spring
52	25K-30014	1	O-ring
53	888456	1	Cap
54	888451	2	Spring
55	886745	1	Bleeder plug
56	888455	1	Spring
57	1C-512	2	Bolt
58	4E-05	2	Lockwasher
59	960972	1	Plate
60	961006	1	Ring back-up
61	961004	1	Seal
62	871388	1	Spring
63	§ <sup>3</sup> -----	1	Plunger
64	945580	2	Check
65	961004	1	Seal
66	960966	1	Plate
67	960967	1	Plate
68	960968	1	Wiper
69	25K-30014	1	O-ring
70	945228	1	Plunger eye
71	1C-512	2	Bolt
72	4E-05	2	Lockwasher
73	980834	1	Screw
74	49D-08	1	Nut
75	613750	2	Washer
76	8D-08	1	Nut
77	980835	1	Cap
78	58K-210	2	O-ring
79	886753	1	Spring
80	886739	1	Poppet
81	25K-30020	1	O-ring
82	860964	1	Seat
83	40K-04	1	Plug
84	947791	1	Spring
85	960965	1	Check
86	960963	1	Seat
87	58K-210	1	O-ring
88	980838	1	Cap
89	25K-30014	1	O-ring

<sup>1</sup>Inc. 1→89

<sup>2</sup>Inc. 1→9, 26→31

<sup>3</sup>See "A"

<sup>4</sup>Inc. 11



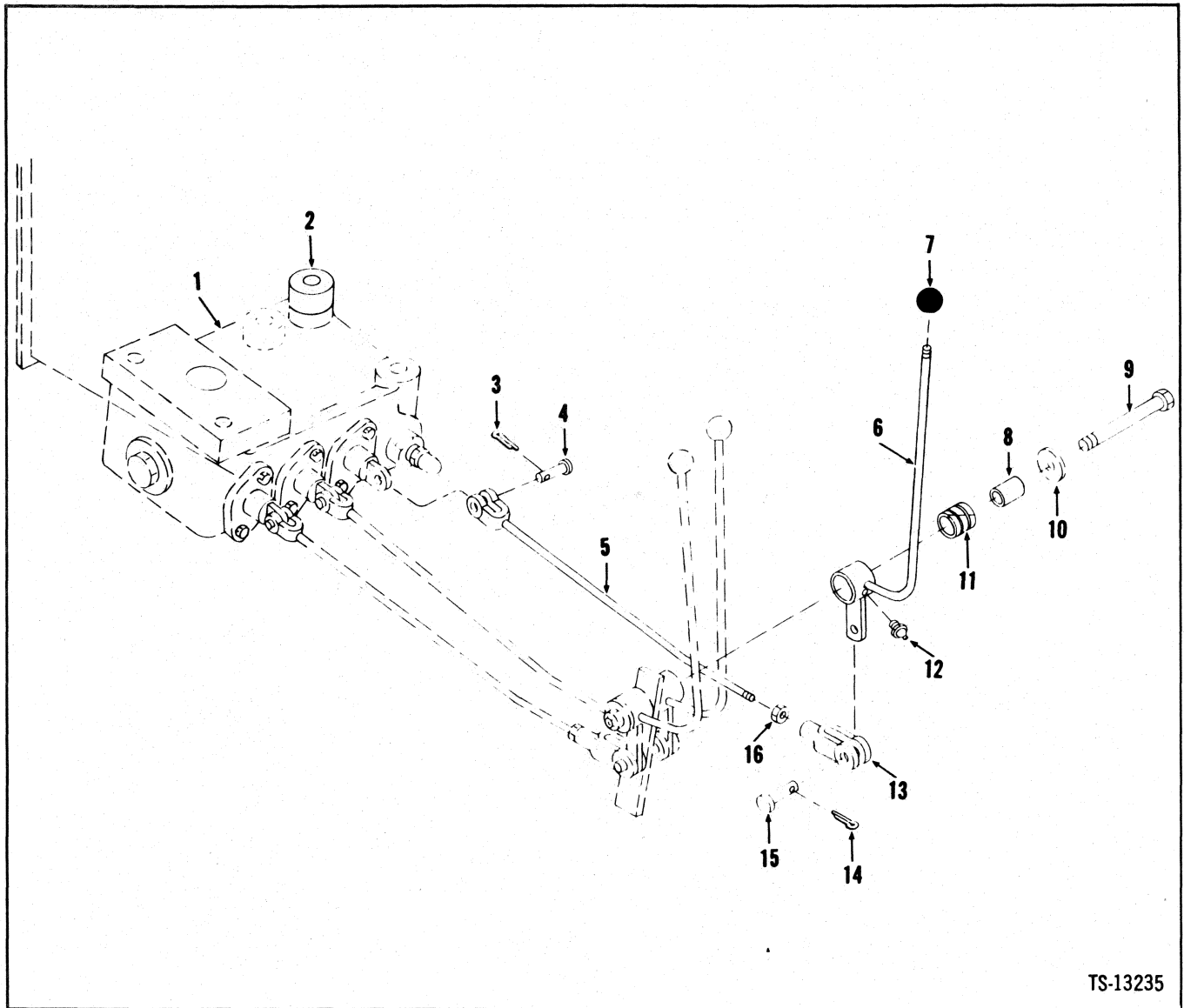
**THREE SPOOL VALVE CONTROLS**

For Serial: Continental – C3WCO9-10 thru C3WCO9-999  
 Waukesha – C3WA9-10 → C3WA9-999  
 G.M. – C3WG9-10 thru C5WG9-999, 7WG101 thru 7WG415

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	550288	BOSS, Reservoir Mounting	1	14	2J-6208	CLEVIS, Accessory Control Rod	1
2	585330	ROD ASSY, Accessory Control (Inc. 14, 17)	1	15	1F-316	COTTER, Clevis Pin	1
3	1F-316	COTTER, Rod to Valve Pin	1	16	4F-06106	PIN, Accessory Control Rod Clevis	1
4	4F-05062	PIN, Control Rod to Valve	1	17	8D-06	NUT, Jam	1
5	562485	LEVER, Boom Control	1	18	585330	ROD ASSY, Boom Control (Ref. only)	—
6	585599	LEVER, Bucket Control (Ref. only)	—	19	585330	ROD ASSY, Bucket Control (Ref. only)	—
7	585601	LEVER, Accessory Control (Ref. only)	—	20	1302659	ADAPTER, Control Valve to Tube (Inc. 21)	2
8	509772	KNOB, Control Levers	1	21	91F-9	O-RING, Adapter	2
9	24C-892	BOLT, Valve Levers to Frame	1	22	—	VALVE ASSY, Control — See Index	—
10	616795	WASHER (Ref. only)	—	23	—	RESERVOIR (Ref. only)	—
11	1503251	SLEEVE, Accessory Control Lever	1	24	24K-9	*†PLUG, Accessory Ports	2
12	675227	BEARING, Accessory Control Lever	1	24A	91F-9	†O-RING, Accessory Port Plugs	2
13	10H-25	FITTING, Accessory Lever Grease	1				

\*NOTE: Use to plug accessory parts on factory installation.  
 †Not Illustrated

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



TS-13235

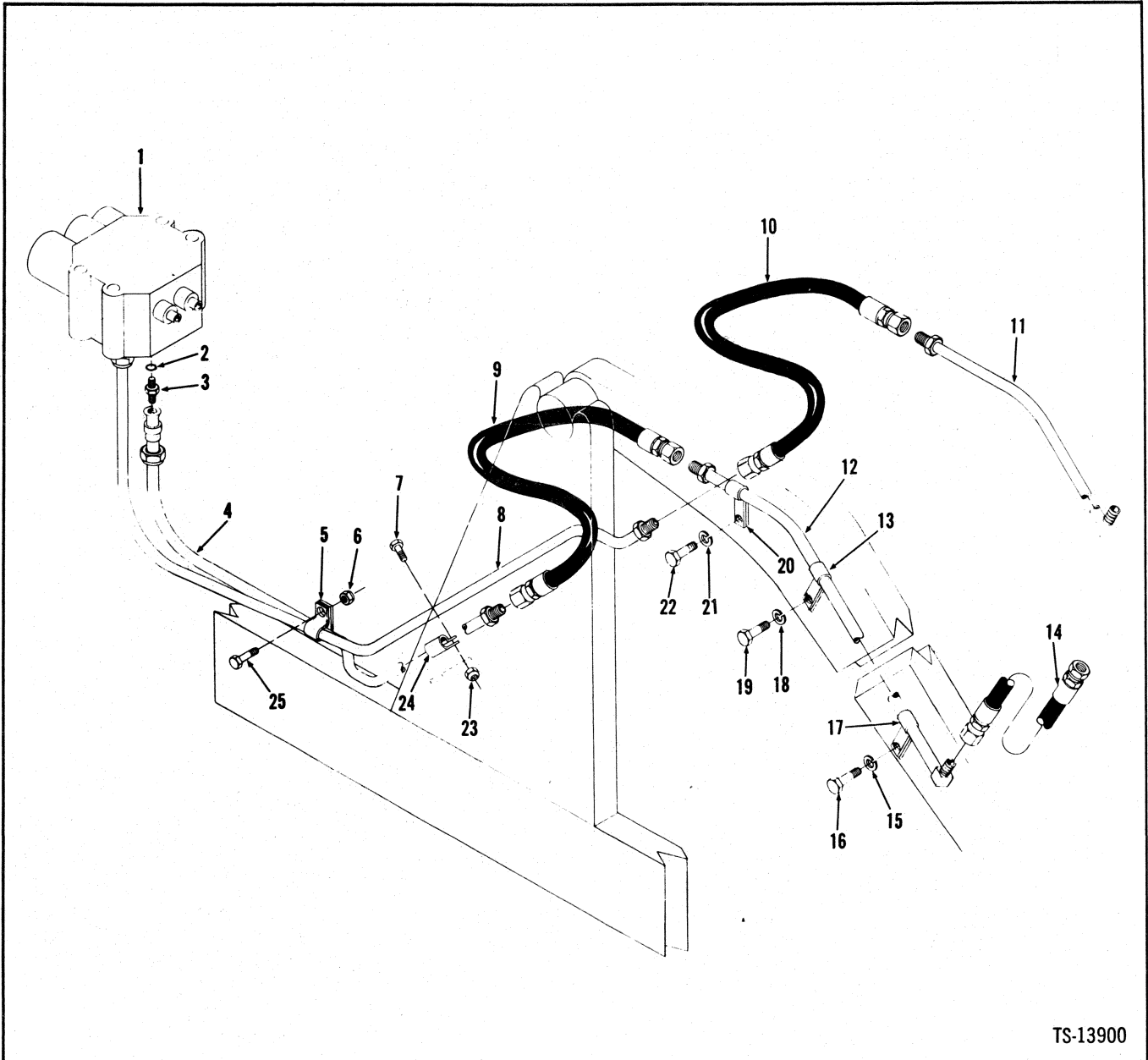
### Three Spool Valve Controls\*

No.	Part No.	Qty.	Description
1	_____	—	Valve
2	550288	1	Boss
3	1F-316	1	Pin cotter
4	4F-05062	1	Pin
5	585330	1	Rod
6	562485	1	Lever
7	509772	1	Knob
8	1503251	1	Sleeve
9	24C-892	1	Bolt
10	616795	1	Washer
11	675227	1	Bearing
12	10H-25	1	Fitting grease
13	2J-6208	1	Clevis
14	1F-316	1	Pin cotter
15	4F-06106	1	Pin
16	8D-06	1	Nut

\*See Index

†Inc. 13, 16

\*G.M. 7WG416 & →



TS-13900

### Three Spool Valve Piping\*

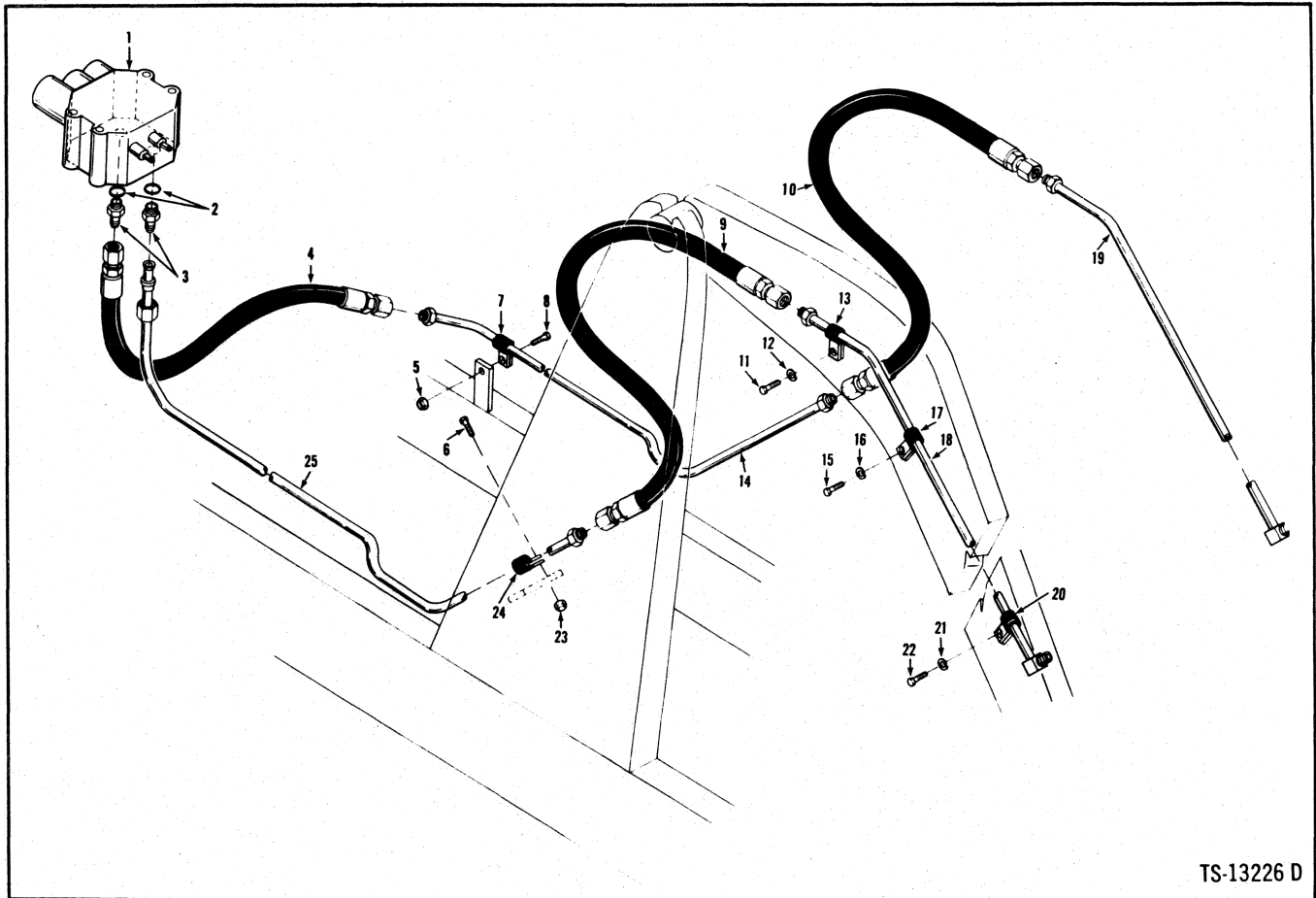
No.	Part No.	Qty.	Description
1	1	—	Valve assy
2	91F-9	2	O-ring
3	562912	2	Adapter
4	1533435	1	Tube RH
5	30H-38	1	Clip
6	18D-06	1	Nut
7	24C-620	2	Bolt
8	1533433	1	Tube LH
9	562796	1	Hose
10	562796	1	Hose
11	1523075	1	Tube RH
12	1523075	1	Tube LH
13	30H-38	2	Clip

No.	Part No.	Qty.	Description
14	562796	2	Hose
15	4E-06	2	Lockwasher
16	24C-616	2	Bolt
17	30H-38	2	Clip
18	4E-06	2	Lockwasher
19	24C-616	2	Bolt
20	30H-38	2	Clip
21	4E-06	2	Lockwasher
22	24C-616	2	Bolt
23	18D-06	2	Nut
24	30H-38	2	Clip
25	24C-620	1	Bolt

<sup>1</sup>See Index

<sup>2</sup>Inc. 2

\*G.M. 7WG101→7WG415



TS-13226 D

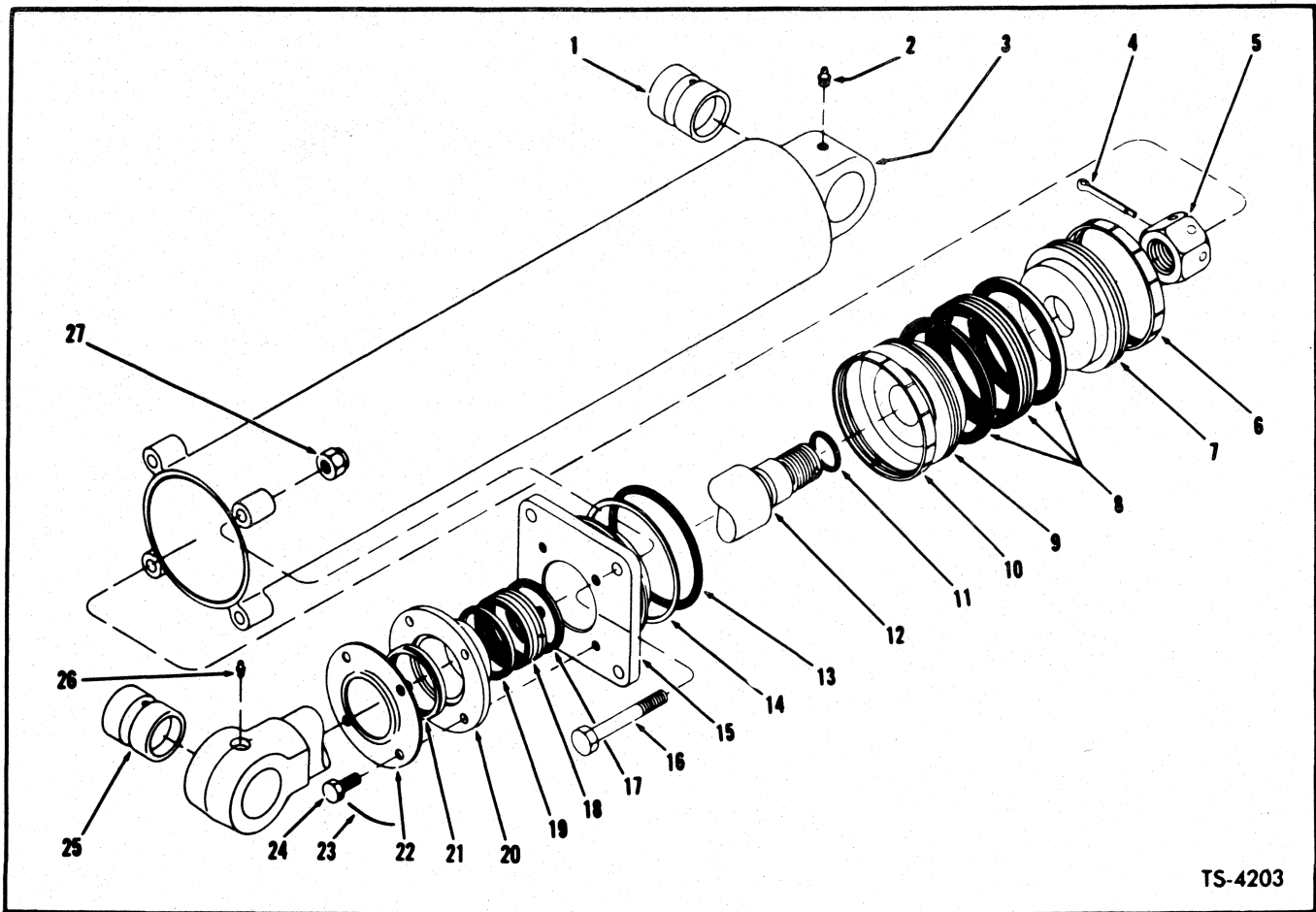
**Three Spool Valve Piping\***

No.	Part No.	Qty.	Description
1	1	—	Valve assy
2	91F-9	2	O-ring
3	562912	2	Adapter
4	562796	1	Hose
5	18D-06	1	Nut
6	24C-620	2	Bolt
7	30H-38	1	Clip
8	24C-620	1	Bolt
9	562796	1	Hose
10	562796	1	Hose
11	24C-616	2	Bolt
12	4E-06	2	Lockwasher
13	30H-38	2	Clip
14	1519909	1	Tube
15	24C-616	2	Bolt
16	4E-06	2	Lockwasher
17	30H-38	2	Clip
18	1523075	1	Tube L.H.
19	1523075	1	Tube R.H.
20	30H-38	2	Clip
21	4E-06	2	Lockwasher
22	24C-616	2	Bolt
23	18D-06	2	Nut
24	30H-38	2	Clip
25	1519907	1	Tube

<sup>1</sup>See Index

<sup>2</sup>Inc. 2

\*G.M. 7WG416 & →



TS-4203

**BUCKET CYLINDER ASSEMBLY**

For Serial: Cont. — C3WCO9-10 thru C3WCO9-999  
 G.M. — C3WG9-10 thru C5WG9-300  
 Wauk. — C3WA9-10 thru C3WA9-90

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	586151	**CYLINDER ASSY, Bucket (Inc. 1 thru 27) . . . . .	1	13	-----	§O-RING, Cylinder Cap — See B . . . . .	1
B	2516057	KIT (Inc. 4, 6, 8, 10, 11, 13, 14, 17 → 19, 21) See Note "A" . . . . .	1	14	-----	§RING, O-Ring Back-Up — See B . . . . .	1
1	586435	BUSHING, Cylinder . . . . .	1	15	945120	CAP ASSY, Cylinder (Inc. 13, 14) . . . . .	1
2	10H-25	FITTING, Cylinder Grease . . . . .	1	16	24C-856	BOLT, Cylinder Cap . . . . .	4
3	586152	CYLINDER (Inc. 1) . . . . .	1	17	-----	§ADAPTER, Male — See 18 . . . . .	1
4	1F-648	COTTER, Piston Rod Nut . . . . .	1	18	2501107	PACKING SET, Piston Rod (Inc. 17, 19) . . . . .	1
5	551605	NUT, Piston Rod . . . . .	1	19	-----	§ADAPTER, Female — See 18 . . . . .	1
6	-----	§RING, Piston Wear — See B . . . . .	1	20	550087	GLAND, Packing . . . . .	1
7	542549	*PISTON, Top Half . . . . .	1	21	2516952	SEAL, Piston Rod . . . . .	1
8	-----	§PACKING ASSY (Inc. Adapters) — See B . . . . .	1	22	550089	RETAINER, Seal . . . . .	1
9	542548	*PISTON, Bottom Half . . . . .	1	23	-----	LOCKWIRE, Packing Gland Bolt (16 ga.-13" lg) . . . . .	2
10	-----	§RING, Piston Wear — See B . . . . .	1	24	4C-616	BOLT, Packing Gland . . . . .	4
11	-----	§O-RING, Piston Rod — See B . . . . .	1	25	586435	BUSHING, Piston Rod . . . . .	1
12	586155	ROD ASSY, Piston (Inc. 25) . . . . .	1	26	10H-25	FITTING, Piston Rod Grease . . . . .	1
				27	18D-08	NUT, Cylinder Cap . . . . .	4

§ Not Sold Separately

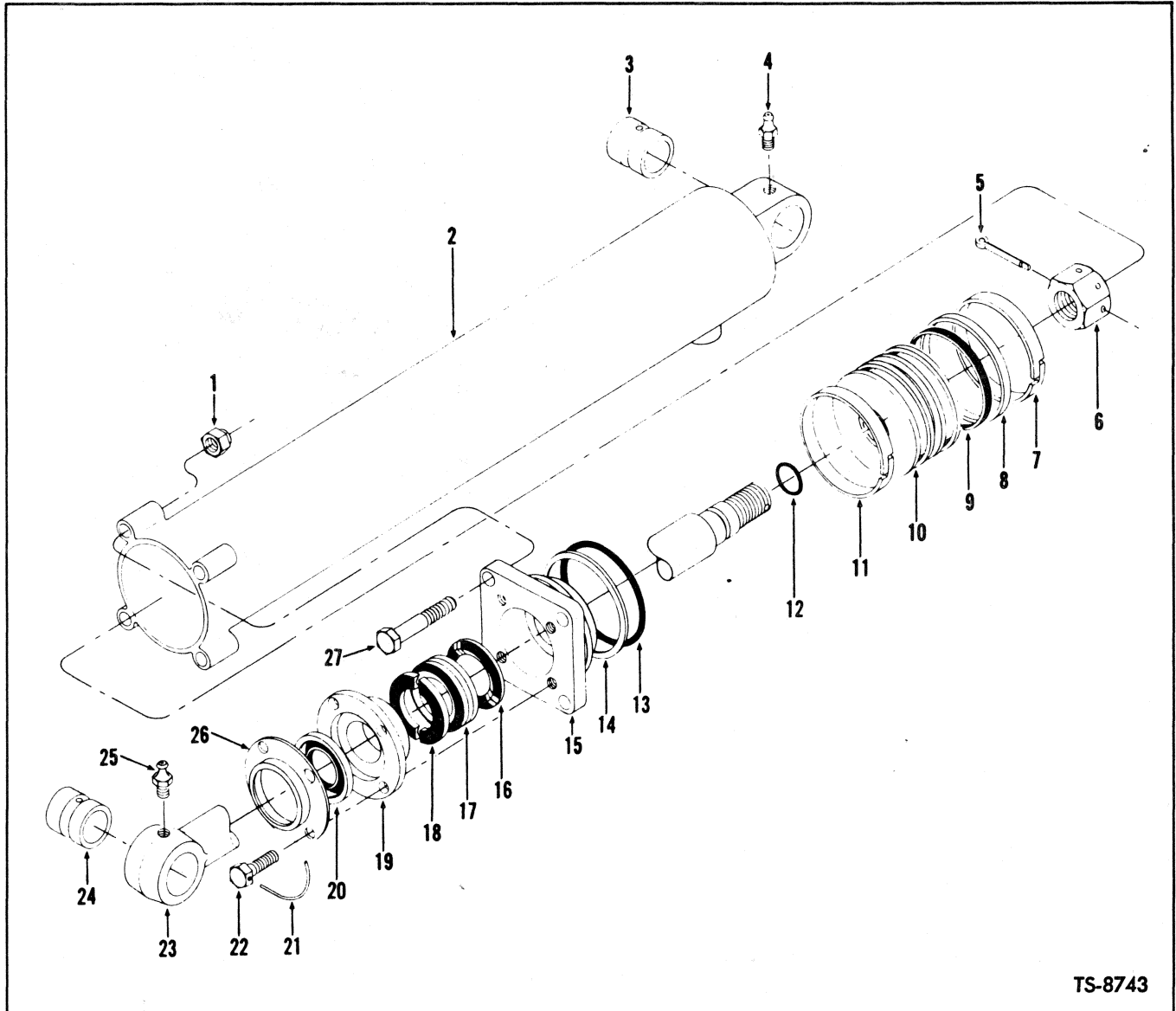
\*NOTE: When replacing either item 7 or 9 use 1-1503597 Piston plus 1-2516059 Kit.

\*\*NOTE: For complete replacement use 1504470 Cylinder Assy.

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

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





TS-8743

**BUCKET CYLINDER ASSEMBLY**

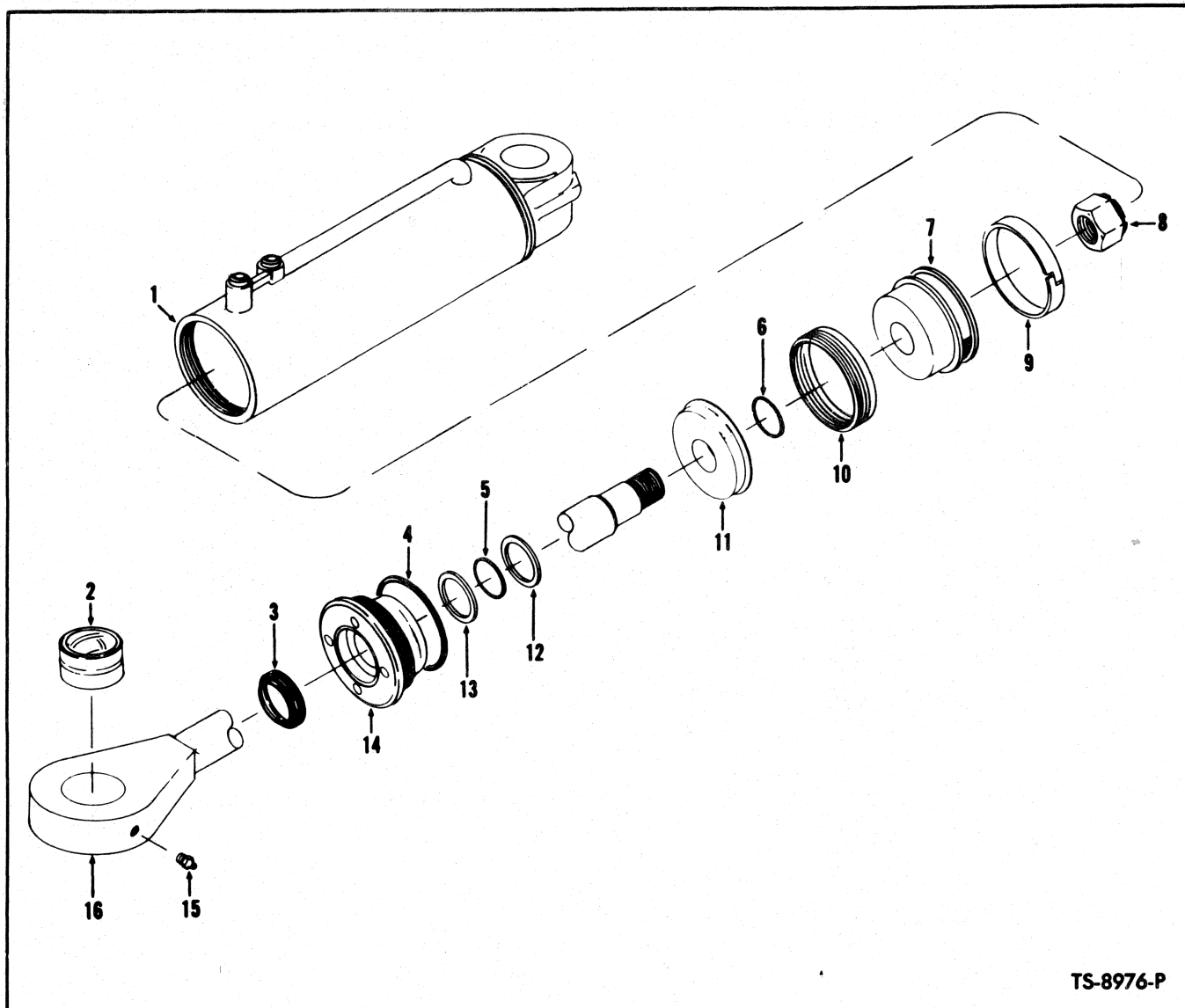
**For Serial: G.M. — C5WG9-301 thru C5WG9-999, 7WG101 & After  
Wauk. — C3WA9-90 thru C3WA9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1504470	CYLINDER ASSY (Inc. 1-3, 5-24, 26, 27)†	1	13	----	§O-RING, Cylinder Cap — See B	1
B	2516059	*KIT (Inc. 7 → 9, 11 → 14, 16 → 18, 20)	1	14	----	§RING, Back-UP — See B	1
1	18D-08	NUT, Cylinder Cap	4	15	945120	CAP, Cylinder	1
2	586152	CYLINDER (Inc. 3)	1	16	----	§ADAPTER, Male Chevron — See 17	1
3	586435	BUSHING, Cylinder	1	17	2501107	PACKING ASSY (Inc. 16, 18)	1
4	10H-25	FITTING, Cylinder Grease	1	18	----	§ADAPTER, Female Chevron — See 17	1
5	1F-648	COTTER, Piston Rod Nut	1	19	550087	GLAND, Packing	1
6	551605	NUT, Piston Rod	1	20	2516952	SEAL, Piston Rod	1
7	----	§RING, Piston Wear — See B	1	21	----	LOCKWIRE (16 ga. x 13" lg.)	2
8	----	§RING, Piston — Outer Seal — See B	1	22	4C-616	BOLT, Seal Retaining Plate	4
9	----	§RING, Piston — Inner Seal — See B	1	23	586155	ROD, Piston (Inc. 24)	1
10	1503597	PISTON	1	24	586435	BUSHING, Piston Rod	1
11	----	§RING, Piston Wear — See B	1	25	10H-25	FITTING, Piston Rod Grease	1
12	----	§O-RING, Piston Rod — See B	1	26	550089	PLATE, Seal Retaining	1
				27	24C-856	BOLT, Cylinder Cap	4

† Not Sold Separately

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

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

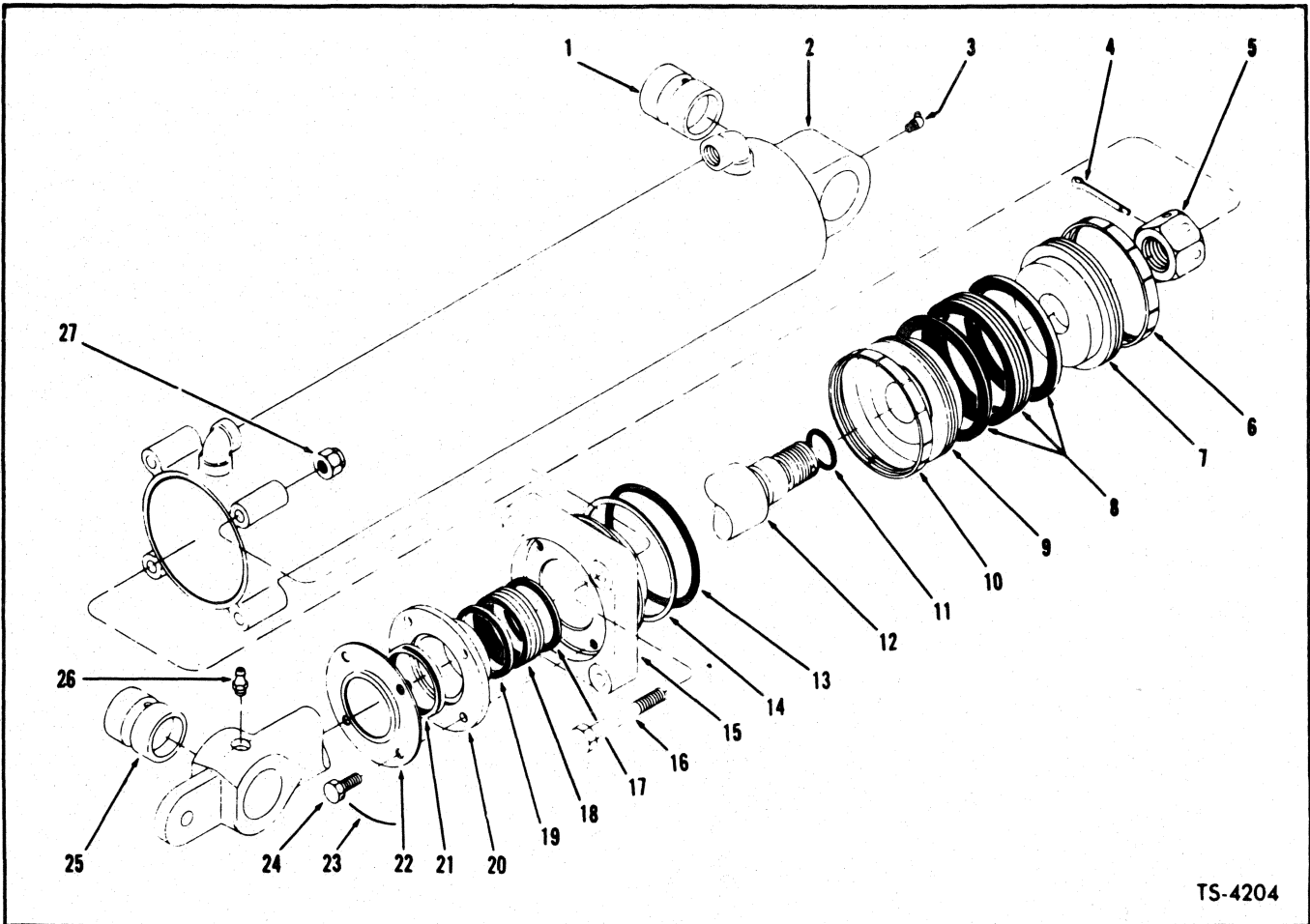


TS-8976-P

**CLAMP CYLINDER ASSEMBLY**  
(Quantities shown for Items 1 thru 16 are for one Cylinder only)

Item No.	Part No.	Description	No. Req'd.
A	1533642	CYLINDER ASSY (Inc. 1 thru 16)	2
1	1533640	CYLINDER	1
2	1533355	BUSHING, Piston Rod	1
3	1533626	WIPER RING	1
4	25K-40308	O-RING	1
5	25K-60116	O-RING	1
6	25K-40104	O-RING	1
7	1533641	PISTON	1
8	67D-18	NUT, Piston Rod	1
9	1533627	WEAR RING	1
10	1533635	V-PACKING SET	1
11	1533630	PISTON	1
12	666972	WASHER, Back-Up	1
13	666972	WASHER, Back-Up	1
14	1533625	CAP, Cylinder	1
15	10H-25	FITTING, Grease	1
16	1533639	ROD, Cylinder (Inc. 2)	1

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



TS-4204

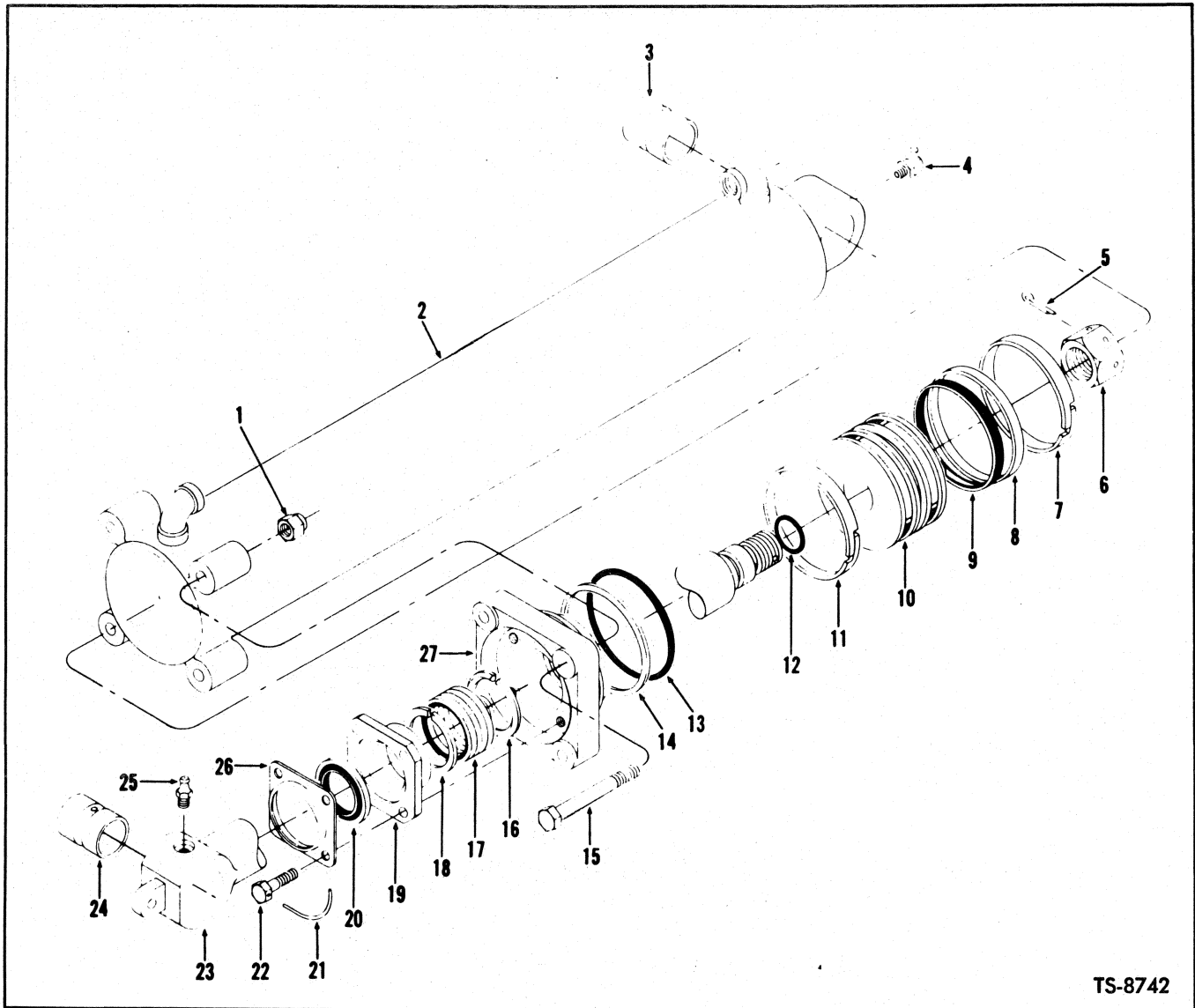
**BOOM CYLINDER ASSEMBLY**

For Serial: Cont. — C3WCO9-10 thru C3WCO9-999  
G.M. — C3WG9-10 thru C5WG9-300  
Wauk. — C3WA9-10 thru C3WA9-90

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	586145	*CYLINDER ASSY, Boom (Inc. 1 thru 27) . . . . .	1	13	-----	§O-RING, Cylinder Cap — See B . . . . .	1
B	2516062	KIT (Inc. 4, 6, 8, 10, 11, 13, 14, 17 → 19, 21) See Note "A" . . . . .	1	14	-----	§RING, O-Ring Back-Up — See B . . . . .	1
1	531584	BUSHING, Cylinder . . . . .	1	15	945115	CAP ASSY, Cylinder (Inc. 13, 14) . . . . .	1
2	586,146	CYLINDER (Inc. 1) . . . . .	1	16	24C-1088	BOLT, Cylinder Cap . . . . .	4
3	11H-25	FITTING, Cylinder Grease . . . . .	1	17	-----	§ADAPTER, Male — See 18 . . . . .	2
4	1F-856	COTTER, Piston Rod Nut . . . . .	1	18	2501108	PACKING SET, Piston Rod (Inc. 17, 19) . . . . .	1
5	551606	NUT, Piston Rod . . . . .	1	19	-----	§ADAPTER, Female — See 18 . . . . .	2
6	-----	§RING, Piston Wear — See B . . . . .	1	20	527812	GLAND, Packing . . . . .	1
7	541749	PISTON, Top Half . . . . .	1	21	2516950	SEAL, Piston Rod . . . . .	1
8	-----	§PACKING ASSY (Inc. Adapters) See B . . . . .	1	22	522617	RETAINER, Seal . . . . .	1
9	541748	PISTON, Bottom Half . . . . .	1	23	-----	LOCKWIRE, Packing Gland Bolt (16 ga.-13" long) . . . . .	2
10	-----	§RING, Piston Wear — See B . . . . .	1	24	3C-818	BOLT, Packing Gland . . . . .	4
11	-----	§O-RING, Piston Rod — See B . . . . .	1	25	531584	BUSHING, Piston Rod . . . . .	1
12	586149	ROD ASSY, Piston (Inc. 25) . . . . .	1	26	10H-35	FITTING, Piston Rod Grease . . . . .	1
				27	18D-10	NUT, Cylinder Cap . . . . .	4

§Not Sold Separately \*NOTE: For complete replacement use 1504471 Cylinder Assy.  
NOTE "A": For reference see Service Gram S.G.-597A.

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



TS-8742

**BOOM CYLINDER ASSEMBLY**

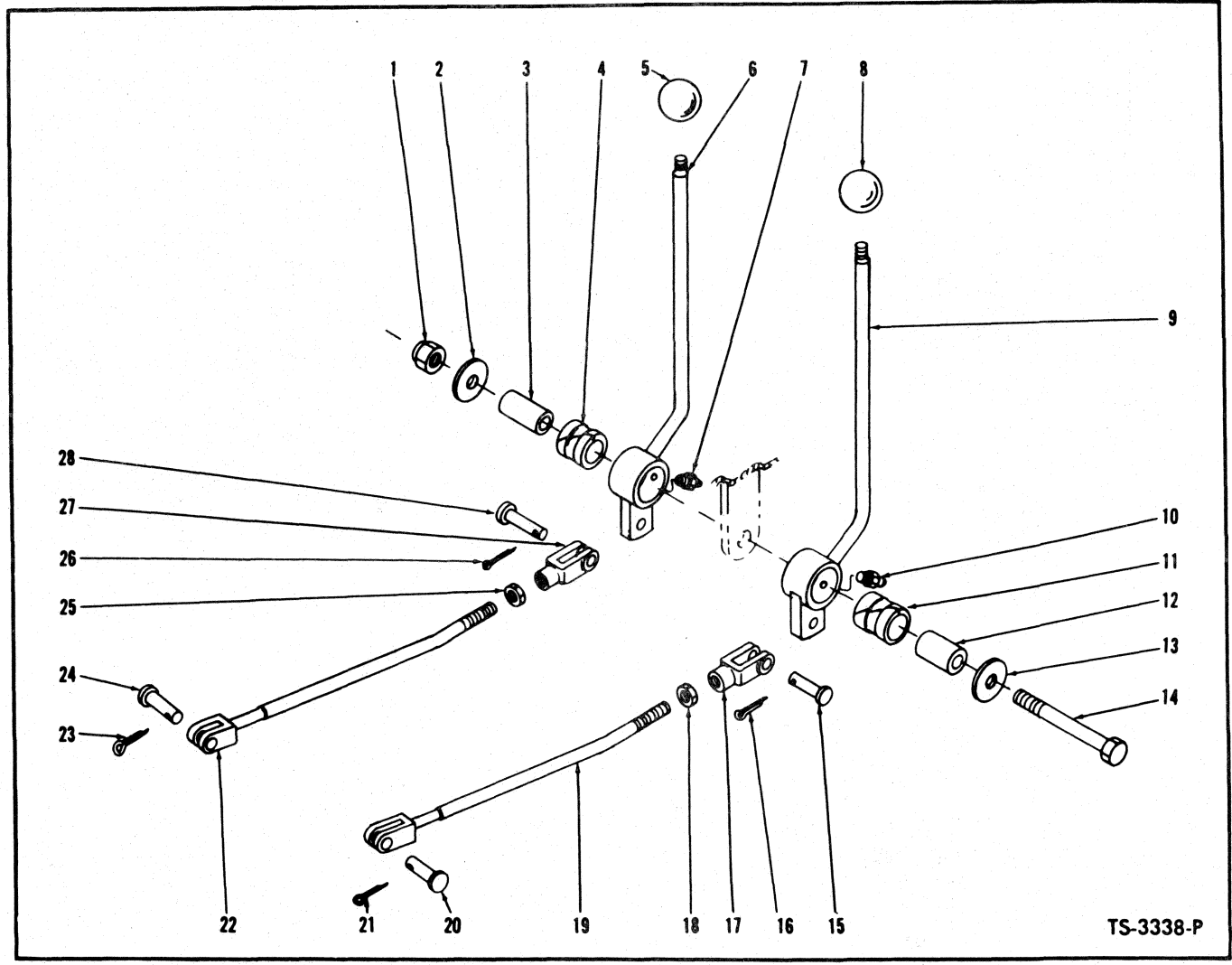
For Serial: G.M. — C5WG9-301 thru C5WG9-999, 7WG101 & After  
Wauk. — C3WA9-91 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1504471	CYLINDER ASSY, Boom (Inc. 1-3, 5-24, 25, 27)	1	13	----	§O-RING, Cylinder Cap — See B	1
B	2516065	*KIT (Inc. 7 → 9, 11 → 14, 16 → 18, 20)	1	14	----	§RING, Back-Up — See B	1
1	18D-10	NUT, Cap to Cylinder	4	15	24C-1088	BOLT, Cylinder Cap to Cylinder	1
2	586146	CYLINDER (Inc. 3)	1	16	----	§ADAPTER, Male Chevron — See 17	2
3	531584	BUSHING, Cylinder	1	17	2501108	PACKING ASSY (Inc. 16, 18)	1
4	11H-15	FITTING, Cylinder Grease	1	18	----	§ADAPTER, Female Chevron — See 17	2
5	1F-856	COTTER, Piston Rod Nut	1	19	527812	GLAND, Packing	1
6	551606	NUT, Piston Rod	1	20	2516950	SEAL, Piston Rod	1
7	----	§RING, Piston Wear — See B	1	21	----	LOCKWIRE (16 ga. x 13" lg.)	2
8	----	§RING, Piston — Outer Seal — See B	1	22	3C-818	BOLT, Seal Retaining Plate	4
9	----	§RING, Piston — Inner Seal — See B	1	23	586149	ROD, Piston (Inc. 24)	1
10	1502846	PISTON	1	24	531584	BUSHING, Piston Rod	1
11	----	§RING, Piston Wear — See B	1	25	10H-35	FITTING, Piston Rod Grease	1
12	----	§O-RING, Piston Rod — See B	1	26	522617	RETAINER, Seal Retaining	1
				27	945115	CAP, Cylinder	1

§ Not Sold Separately

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

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



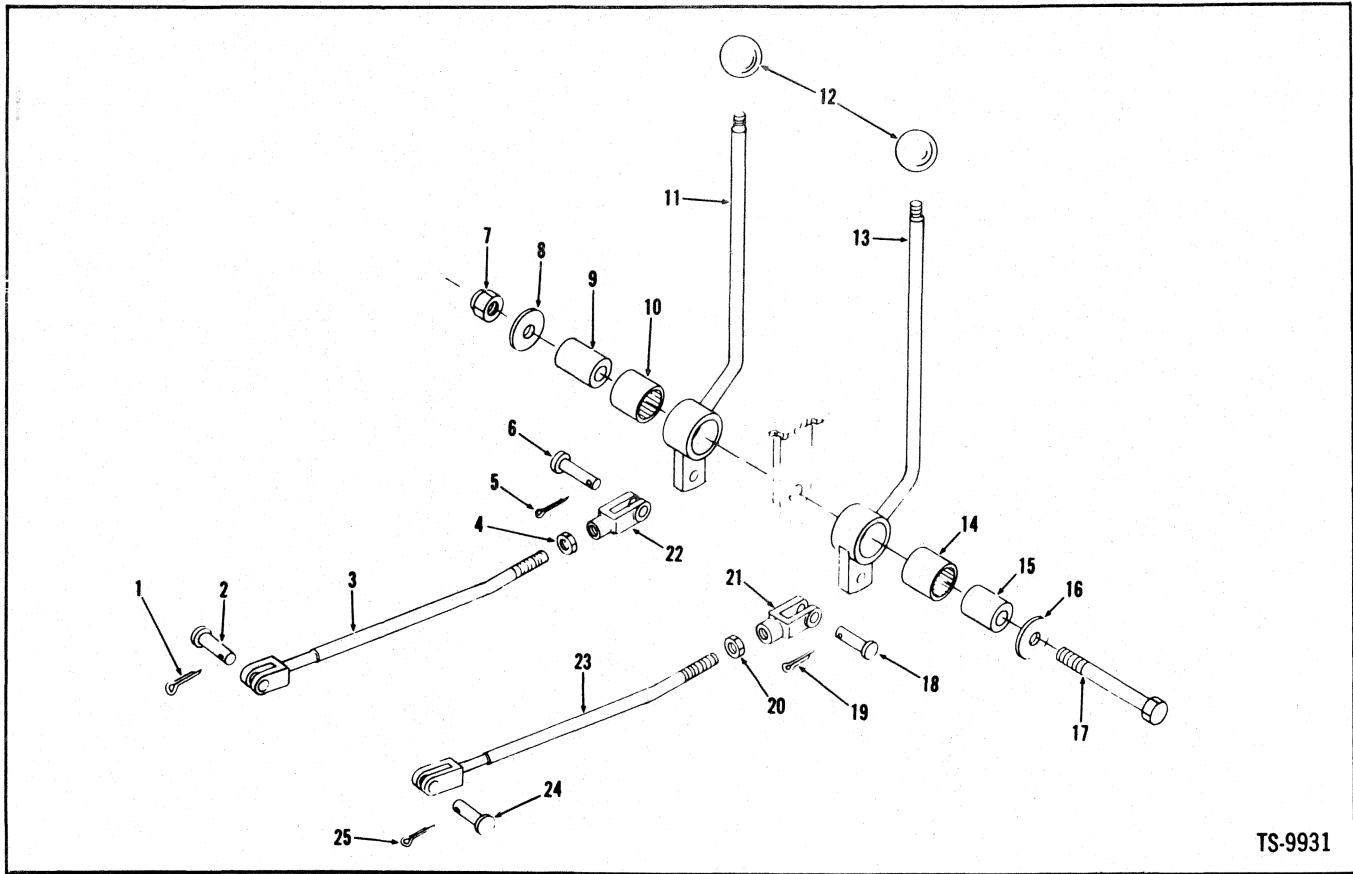
TS-3338-P

**VALVE CONTROLS, MAIN**

For Serial: Cont. — C3WCO9-10 thru C3WCO9-999  
 G.M. — C3WG9-10 thru C5WG9-999  
 Wauk. — C3WA9-10 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Valve Levers to Frame	1	17	2J-6208	CLEVIS, Boom Control Rod	1
2	616795	WASHER, Valve Levers to Frame	1	18	8D-06	NUT, Jam — Boom Control Rod	1
3	550646	SLEEVE, Bucket Control Lever	1	19	585331	ROD, Boom Control	1
4	526767	BUSHING, Bucket Control Lever	1	20	4F-05062	PIN, Boom Control Rod to Valve	1
5	509772	KNOB, Bucket Control Lever	1	21	1F-314	COTTER, Boom Control Rod to Valve Pin	1
6	585601	LEVER, Bucket Control	1	22	585331	ROD, Bucket Control	1
7	10H-25	FITTING, Bucket Lever Grease	1	23	1F-314	COTTER, Bucket Control Rod to Valve Pin	1
8	509772	KNOB, Boom Control Lever	1	24	4F-05062	PIN, Bucket Control Rod to Valve	1
9	585599	LEVER, Boom Control	1	25	8D-06	NUT, Jam — Bucket Control Rod	1
10	10H-25	FITTING, Boom Lever Grease	1	26	1F-314	COTTER, Bucket Control Rod Clevis Pin	1
11	526767	BUSHING, Boom Control Lever	1	27	2J-6208	CLEVIS, Bucket Control Rod	1
12	550646	SLEEVE, Boom Control Lever	1	28	4F-06106	PIN, Bucket Control Rod Clevis	1
13	616795	WASHER, Valve Levers to Frame	1				
14	24C-868	BOLT, Valve Levers to Frame	1				
15	4F-06106	PIN, Boom Control Rod Clevis	1				
16	1F-314	COTTER, Boom Control Rod Clevis Pin	1				

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



TS-9931

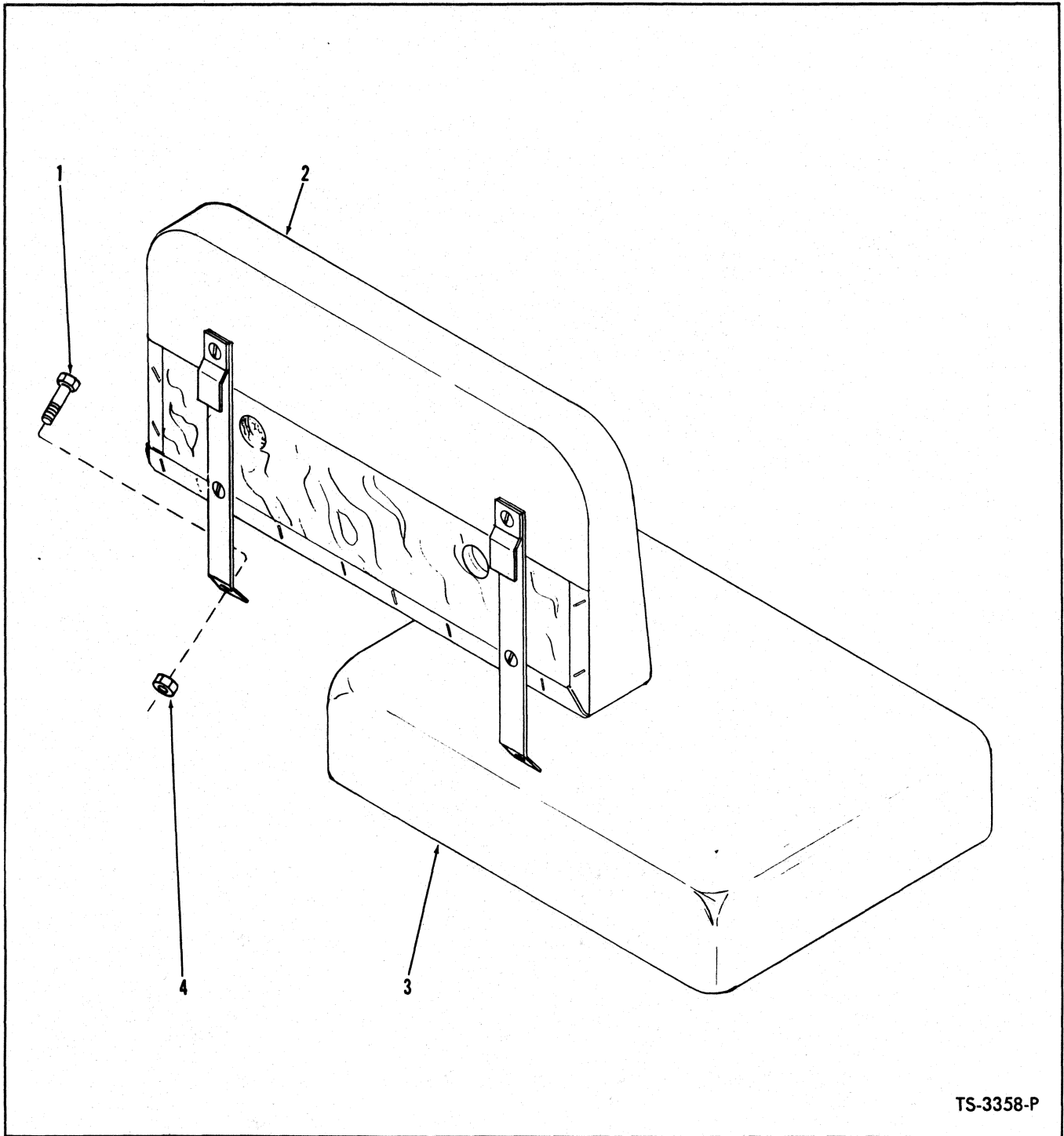
**Valve Controls – Main\***

No.	Part No.	Qty.	Description
1	1F-316	1	Pin cotter
2	4F-05062	1	Pin clevis
3	585330	1	Rod assy
4	8D-06	1	Nut
5	1F-316	1	Pin cotter
6	4F-06106	1	Pin clevis
7	18D-08	1	Locknut
8	616795	1	Washer
9	1503251	1	Sleeve
10	675227	1	Bearing
10A	†1522535	2	Seal
11	585601	1	Lever bucket
12	509772	2	Knob
13	585599	1	Lever boom
14	675227	1	Bearing
14A	†1522535	2	Seal
15	1503251	1	Sleeve
16	616795	1	Washer
17	24C-868	1	Bolt
18	4F-06106	1	Pin clevis
19	1F-316	1	Pin cotter
20	8D-06	1	Nut
21	2J-6208	1	Yoke
22	2J-6208	1	Yoke
23	585330	1	Rod assy
24	4F-05062	1	Pin clevis
25	1F-316	1	Pin cotter

\*G.M. 7WG101 & →

†Inc. 4, 22

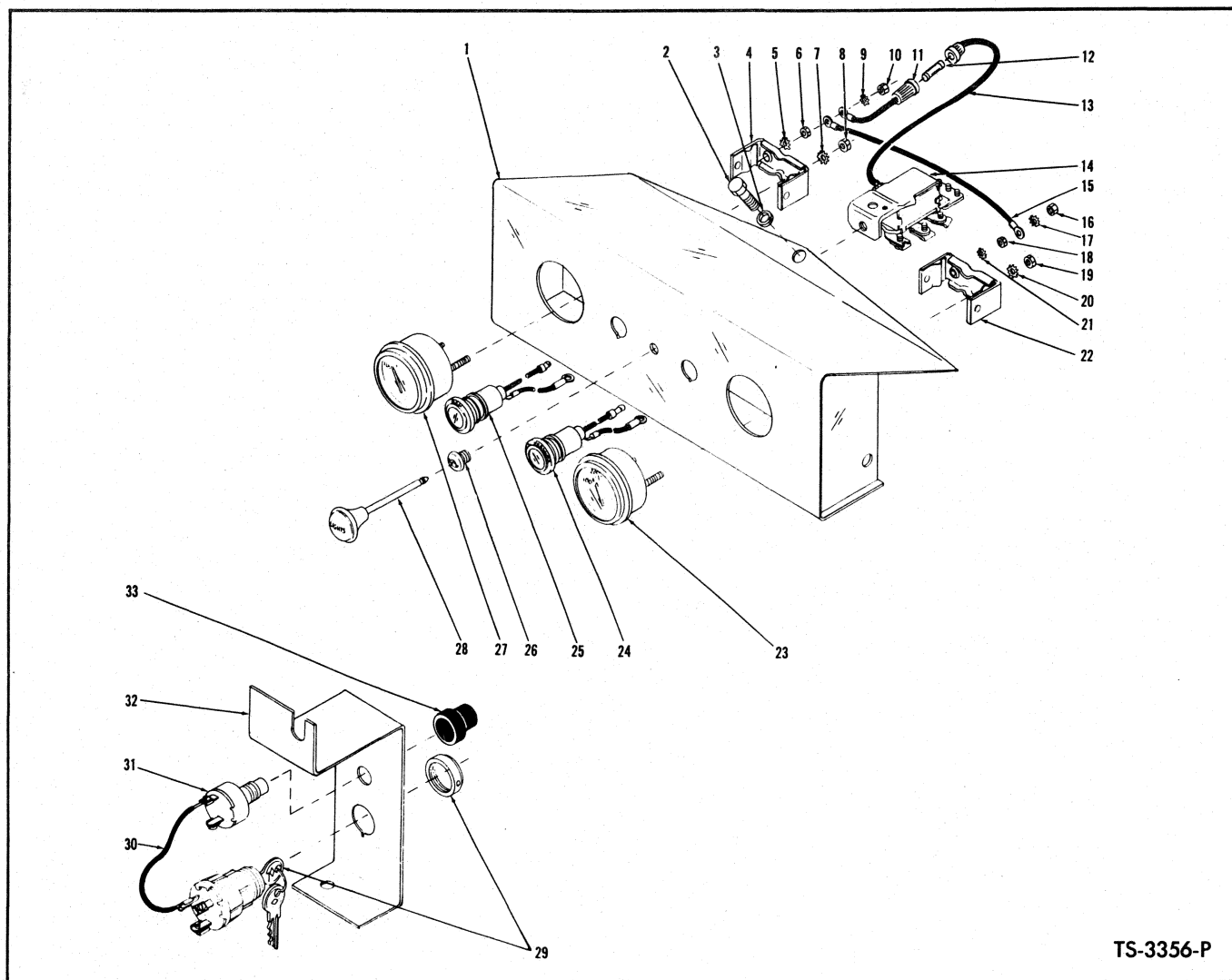
‡Inc. 20, 21



TS-3358-P

**Seat & Seat Belts**

No.	Part No.	Qty.	Description
1	24C-616	2	Bolt
2	585638	1	Cushion back rest
3	585637	1	Cushion seat
4	18D-06	2	Nut
5	†1527745	1	Belt seat



**INSTRUMENT PANEL**

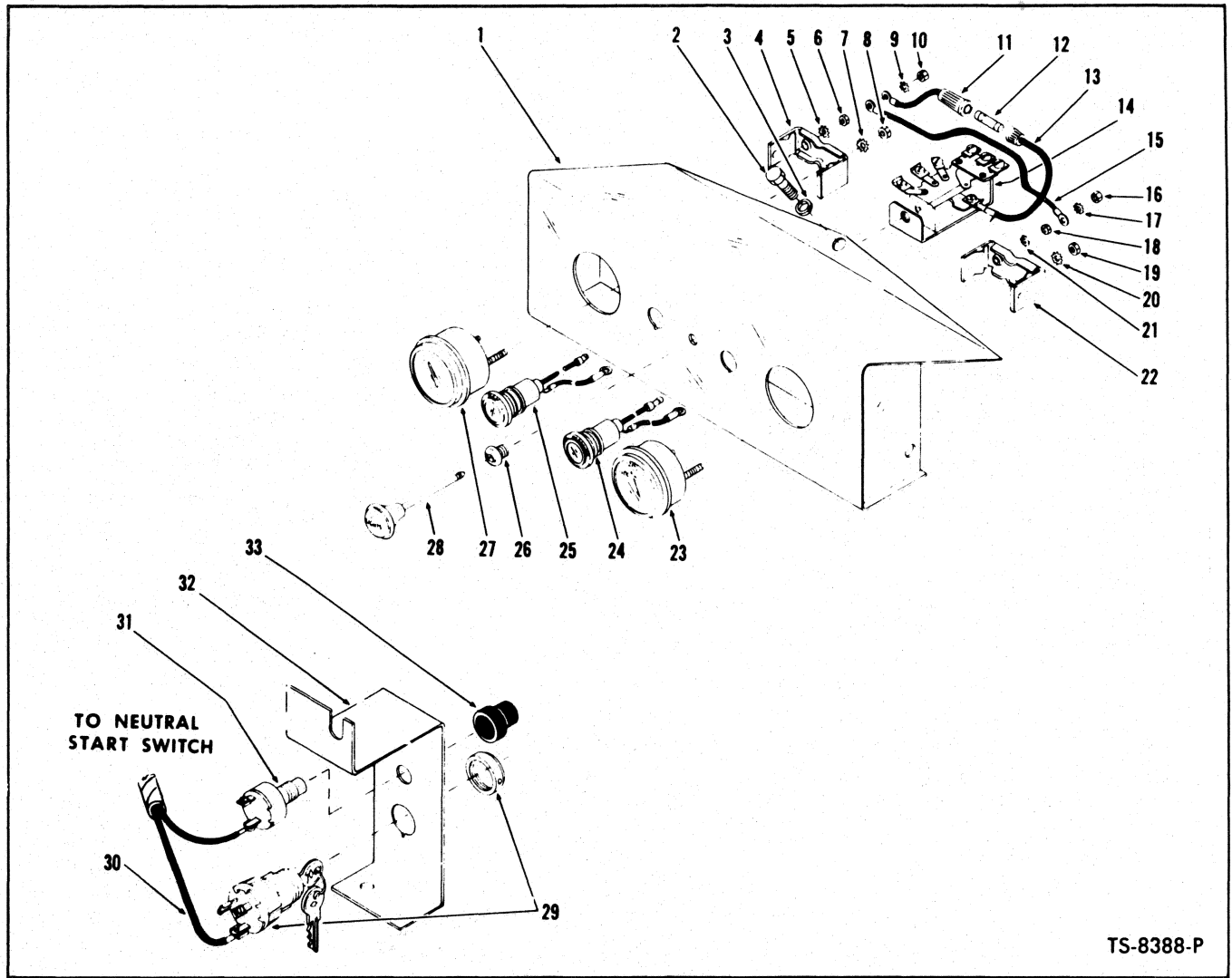
**For Serial: G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-101,  
C5WG9-111 thru C5WG9-114  
Continental — C3WCO9-10 thru C3WCO9-156, C3WCO9-158**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585333	PANEL, Instrument .....	1	17	12E-6	LKWSHR, Torque Conv. Temp. Gauge	1
2	24C-614	BOLT, Instrument Panel Mounting .....	3	18	12D-6	NUT, Torque Conv. Temp. Gauge .....	1
3	4E-06	LKWSHR, Instrument Panel Mounting ..	3	19	14D-10	NUT, Torque Conv. Temp. Gauge .....	2
4	1534136	CLAMP, Engine Temperature Gauge ..	1	20	12E-10	LKWSHR, Torque Conv. Temp. Gauge	2
5	12E-6	LKWSHR, Engine Temperature Gauge	1	21	12E-6	LKWSHR, Torque Conv. Temp. Gauge	1
6	12D-6	NUT, Engine Temperature Gauge .....	1	22	1534136	CLAMP, Torque Conv. Temp. Gauge ..	1
7	12E-10	LKWSHR, Engine Temperature Gauge	2	23	947254	GAUGE, Torque Conv. Temperature ..	1
8	14D-10	NUT, Engine Temperature Gauge .....	2	24	1504956	LIGHT, Low Oil Pressure Warning .....	1
9	12E-6	LKWSHR, Engine Temperature Gauge	1	25	1504957	LIGHT, Generator Warning .....	1
10	12D-6	NUT, Engine Temperature Gauge .....	1	26	550743	BUSHING, Light Switch .....	1
11	553676	WIRE ASSY, Fuse — Light Switch to Gauge (Inc. 13) .....	1	27	947252	GAUGE, Engine Temperature .....	1
12	661555	FUSE, Gauges .....	1	28	550742	ROD, Light Switch .....	1
13	-----	WIRE, Fuse — Light Switch to Gauge (See 11) .....	1	29	573548	SWITCH, Ignition .....	1
14	2514253	SWITCH, Light .....	1	30	1526736	WIRE, Starter Switch to Ignition Switch .....	1
15	668234	WIRE, Converter Temperature Gauge to Engine Temperature Gauge .....	1	31	600259	SWITCH, Starter Push Button (Inc. 33)	1
16	12D-6	NUT, Torque Conv. Temp. Gauge .....	1	32	585335	PANEL, Starter .....	1
				33	857420	BOOT, Starter Push Button .....	1

\*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**

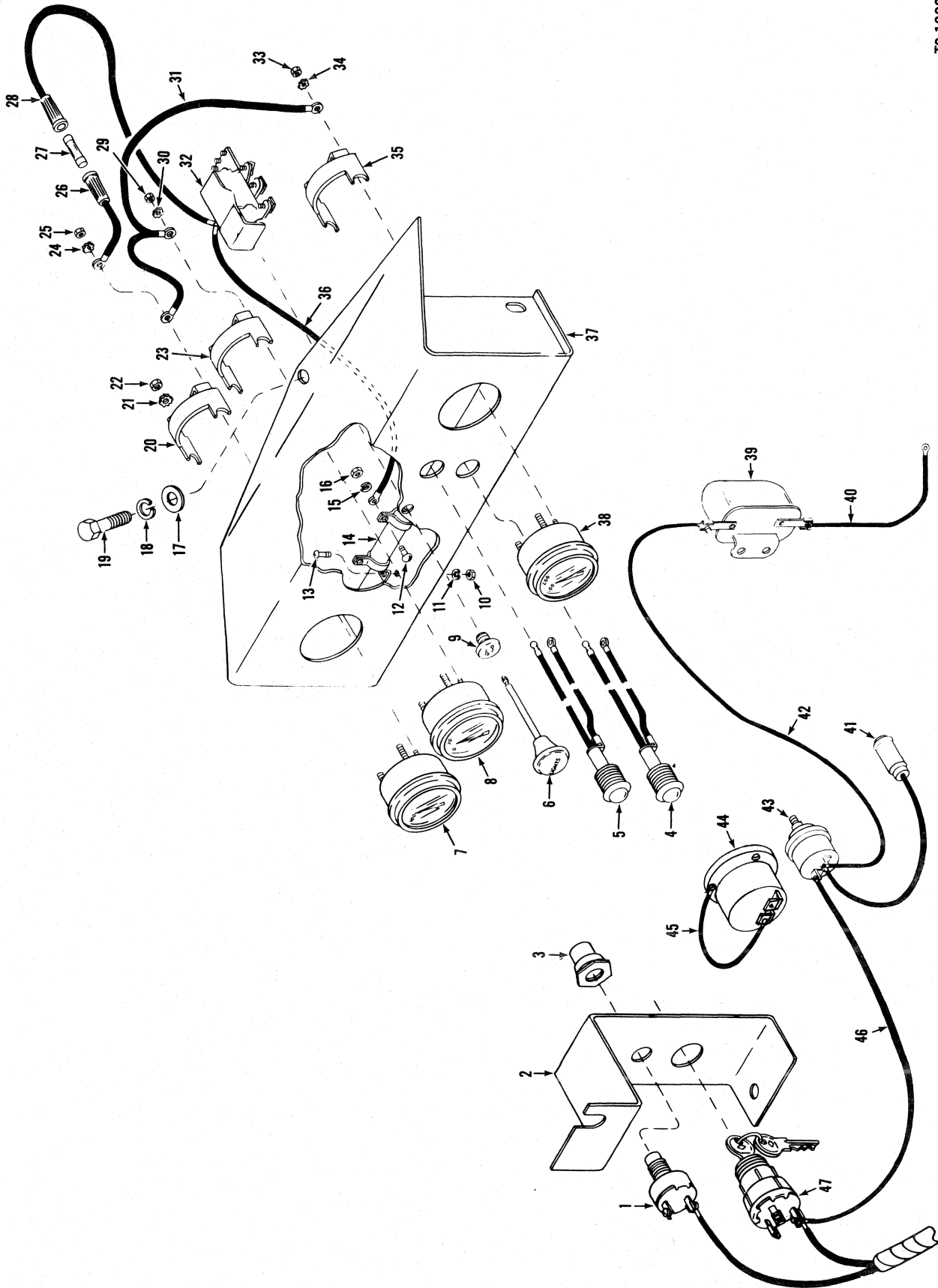
**For Serial: G.M. — C5WG9-102 thru C5WG9-110, C5WG9-115 thru C5WG9-999, 7WG101 thru 7WG345  
Continental — C3WCO9-157, C3WCO9-159 thru C3WCO9-999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585333	PANEL, Instrument	1	17	12E-6	LKWSHR, Torque Conv. Temp. Gauge	1
2	24C-614	BOLT, Instrument Panel Mounting	3	18	12D-6	NUT, Torque Conv. Temp. Gauge	1
3	4E-06	LKWSHR, Instrument Panel Mounting	3	19	14D-10	NUT, Torque Conv. Temp. Gauge	2
4	1534136	CLAMP, Engine Temperature Gauge	1	20	12E-10	LKWSHR, Torque Conv. Temp. Gauge	2
5	12E-6	LKWSHR, Engine Temperature Gauge	1	21	12E-6	LKWSHR, Torque Conv. Temp. Gauge	1
6	12D-6	NUT, Engine Temperature Gauge	1	22	1534136	CLAMP, Torque Conv. Temp. Gauge	1
7	12E-10	LKWSHR, Engine Temperature Gauge	2	23	947254	GAUGE, Torque Conv. Temperature	1
8	14D-10	NUT, Engine Temperature Gauge	2	24	1504956	LIGHT, Low Oil Pressure Warning	1
9	12E-6	LKWSHR, Engine Temperature Gauge	1	25	1504957	LIGHT, Generator Warning	1
10	12D-6	NUT, Engine Temperature Gauge	1	26	947252	BUSHING, Light Switch	1
11	553676	WIRE ASSY, Fuse — Light Switch to Gauge (Inc. 13)	1	27	551322	*GAUGE, Engine Temperature	1
12	661555	FUSE, Gauges	1	28	550742	ROD, Light Switch	1
13	-----	WIRE, Fuse — Light Switch to Gauge (See 11)	1	29	573548	SWITCH, Ignition	1
14	2514253	**SWITCH, Light	1	30	1526736	WIRE, Starter Switch to Neutral Start Switch	1
15	668234	WIRE, Converter Temperature Gauge to Engine Temperature Gauge	1	31	600259	SWITCH, Starter Push Button (Inc. 33)	1
16	12D-6	NUT, Torque Conv. Temp. Gauge	1	32	585335	PANEL, Starter	1
				33	857420	BOOT, Starter Push Button	1

\*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.

TS-13899





Instrument Panel\*

No.	Part No.	Qty.	Description
1	600259	1	Starter button
2	585355	1	Panel
3	857420	1	Boot
4	<sup>2</sup> 1504957	1	Light eng oil press
4A	<sup>†</sup> 943219	1	Bulb
5	<sup>3</sup> 1504956	1	Light warning
5A	<sup>†</sup> 943219	1	Bulb
6	550742	1	Rod
7	947252	1	Gauge engine temp
8	947250	1	Gauge air pressure
9	550743	1	Bushing
10	12D-06	1	Nut
11	17E-6	1	Lockwasher
12	85G-608	1	Screw
13	85G-608	1	Screw
14	556489	1	Resistor
15	17E-6	1	Lockwasher
16	12D-06	1	Nut
17	25E-17	3	Washer
18	4E-06	3	Lockwasher
19	24C-614	3	Bolt
20	1534136	1	Clamp
21	12E-10	2	Lockwasher
22	14D-10	2	Nut
23	1534136	1	Clamp
24	12E-6	6	Lockwasher

No.	Part No.	Qty.	Description
25	12D-6	6	Nut
26	<sup>4</sup> _____	—	Wire
27	611074	1	Fuse
28	<sup>5</sup> 53676	1	Wire
29	14D-10	2	Nut
30	12E-10	2	Lockwasher
31	1516126	1	Wire assy
32	<sup>7</sup> 2514253	1	Switch light
33	14D-10	2	Nut
34	12E-10	2	Lockwasher
35	1534136	1	Clamp
36	635376	1	Wire assy
37	1516161	1	Inst panel
38	947254	1	Gauge conv temp
39	515763	1	Buzzer
39A	24C-412	2	Bolt
39B	18D-04	2	Nut
40	543483	1	Wire
41	2519680	1	Light warning
41A	<sup>†</sup> 1548521	1	Bulb
42	663579	1	Wire
43	1537354	1	Switch pressure
44	1743825	1	Hourmeter
45	558960	1	Wire
46	658516	1	Wire
47	573548	1	Switch ignition

\*G.M. 7WG346 & →

<sup>2</sup>Inc. 4A

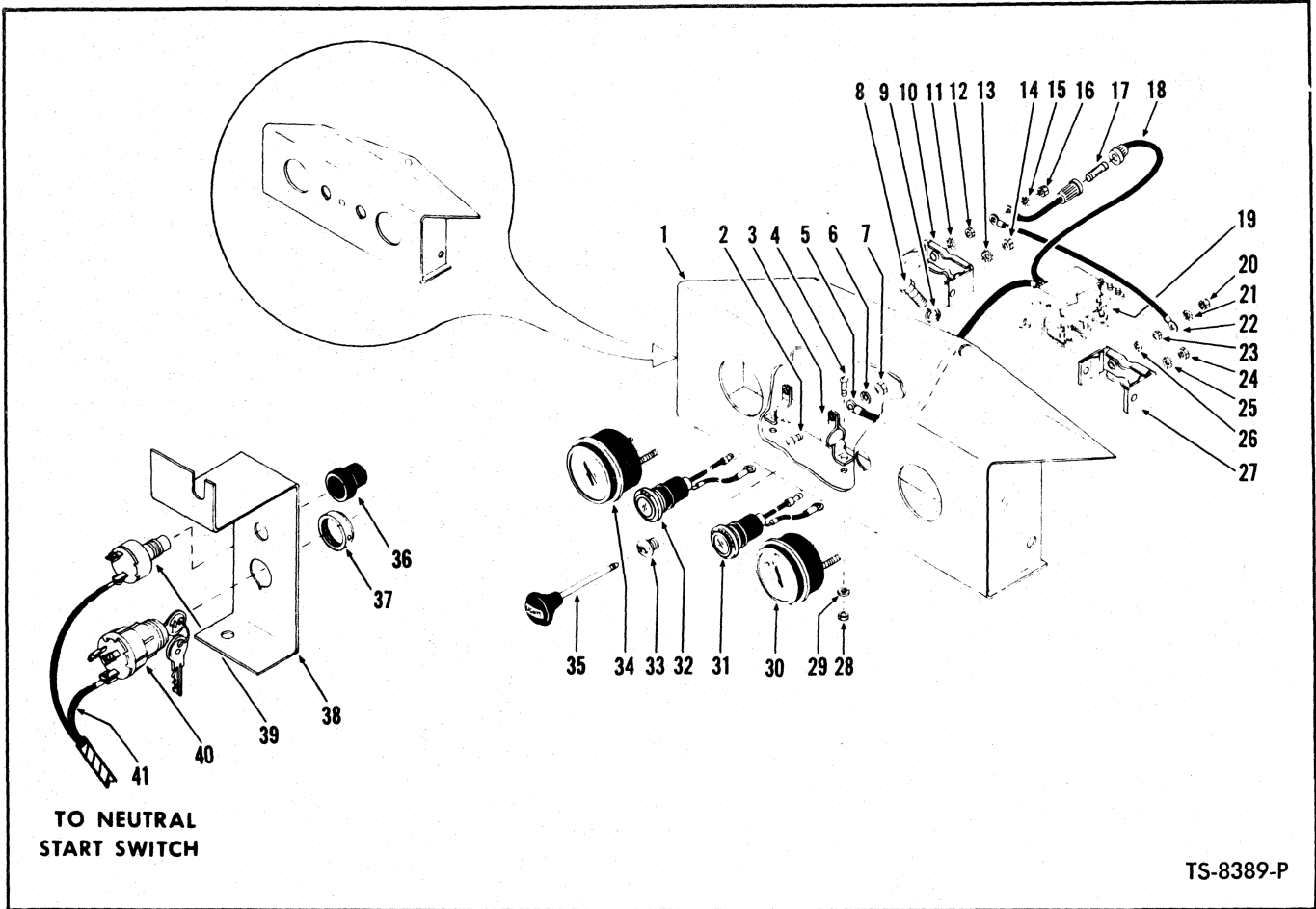
<sup>3</sup>Inc. 5A

<sup>4</sup>See 28

<sup>5</sup>Inc. 26, 27

<sup>6</sup>Inc. 41A

<sup>7</sup> For replacement with a new switch, the mounting hole must be enlarged to .4688.



TS-8389-P

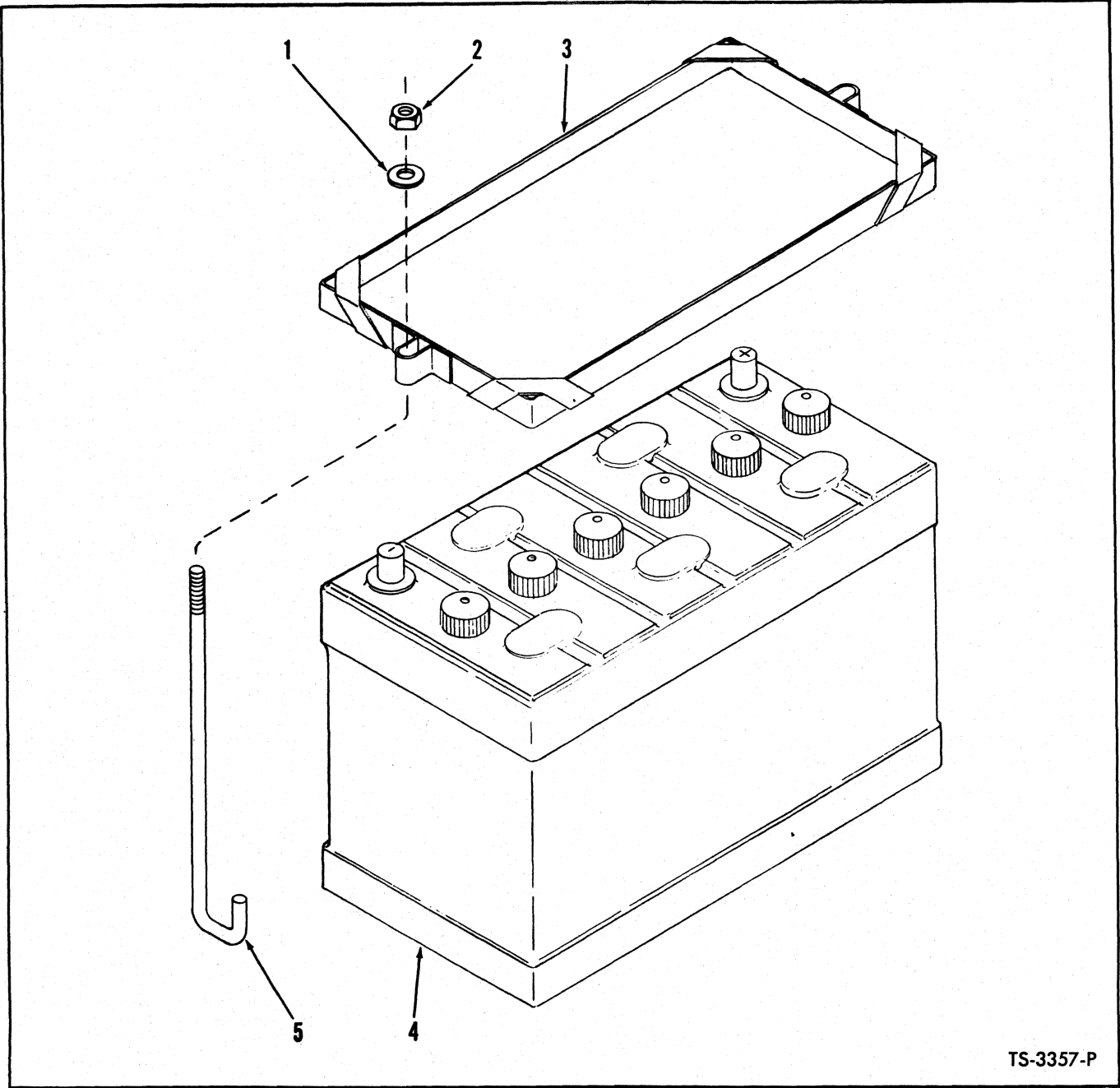
**INSTRUMENT PANEL – WAUKESHA**

For Serial: C3WA9-10 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	585333	PANEL, Instrument .....	1	23	12D-6	NUT, Gauge Mounting .....	1
2	85G-608	SCREW, Wire to Resistor Mounting .....	2	24	14D-10	NUT, Gauge & Wire Mounting .....	2
3	556489	RESISTOR .....	1	25	12E-10	LKWSHR, Gauge & Wire Mounting .....	2
4	85G-608	SCREW, Resistor to Panel Mounting .....	2	26	12E-6	LKWSHR, Gauge Mounting .....	1
5	635376	WIRE, Resistor to Light Switch .....	1	27	1534136	CLAMP, Torque Converter Temperature Gauge .....	1
6	17E-6	LKWSHR, Wire to Resistor Screw .....	2	28	12D-6	NUT, Resistor to Panel Screw .....	2
7	12D-6	NUT, Wire to Resistor Screw .....	2	29	17E-6	LKWSHR, Resistor to Panel Screw .....	2
8	24C-614	BOLT, Instrument Panel Mounting .....	3	30	947254	GAUGE, Torque Converter Temperature .....	1
9	4E-06	LKWSHR, Panel Mounting Bolt .....	3	31	1504956	LIGHT, Low Oil Pressure Warning .....	1
10	1534136	CLAMP, Engine Temperature Gauge .....	1	32	1504957	LIGHT, Generator Warning .....	1
11	12E-6	LKWSHR, Gauge Mounting .....	1	33	550743	BUSHING, Light Switch Rod .....	1
12	12D-6	NUT, Gauge Mounting .....	1	34	551322	*GAUGE, Engine Temperature .....	1
13	12E-10	LKWSHR, Gauge & Wire Mounting .....	2	35	550742	ROD, Light Switch .....	1
14	14D-10	NUT, Gauge & Wire Mounting .....	2	36	857420	BOOT, Starter Push Button .....	1
15	12E-6	LKWSHR, Wire to Gauge .....	1	37	-----	RING, Lock — See Item 40 .....	—
16	12D-6	NUT, Wire to Gauge .....	1	38	585335	PANEL, Starter Switch .....	1
17	661555	FUSE, Light Switch to Gauge—Wire .....	1	39	600259	SWITCH, Starter Push Button (Inc. 36) .....	1
18	553676	WIRE ASSY, Light Switch to Gauge (Inc. 17) .....	1	40	573548	SWITCH, Ignition (Inc. 37) .....	1
19	2514253	SWITCH, Light .....	1	41	1526736	WIRE, Starter Button to Neutral Start Switch .....	1
20	12D-6	NUT, Wire to Gauge .....	1				
21	12E-6	LKWSHR, Wire to Gauge .....	1				
22	668234	WIRE, Engine Temperature Gauge to Conv. Temp. Gauge .....	1				

\*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.

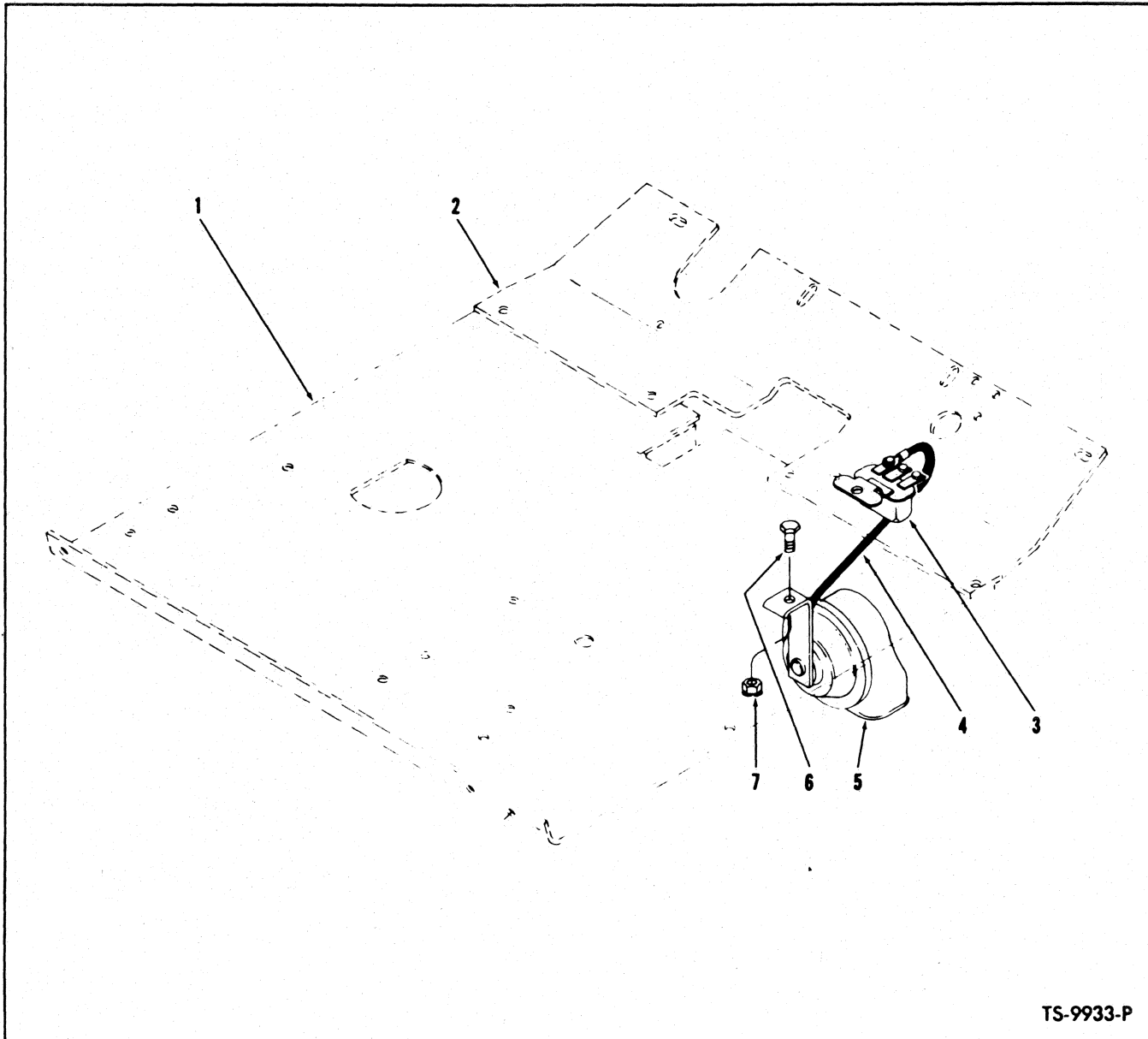


TS-3357-P

**BATTERY AND BATTERY BOX**  
Continental and Waukesha

Item No.	Part No.	Description	No. Req'd.
1	25E-15	WASHER, Battery Hold Down .....	2
2	17D-2	NUT, Battery Hold Down .....	2
3	536581	HOLD DOWN, Battery .....	1
4	536414	BATTERY, EXIDE #HYCAP 5SH .....	1
5	585592	BOLT, Battery Hold Down .....	2

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



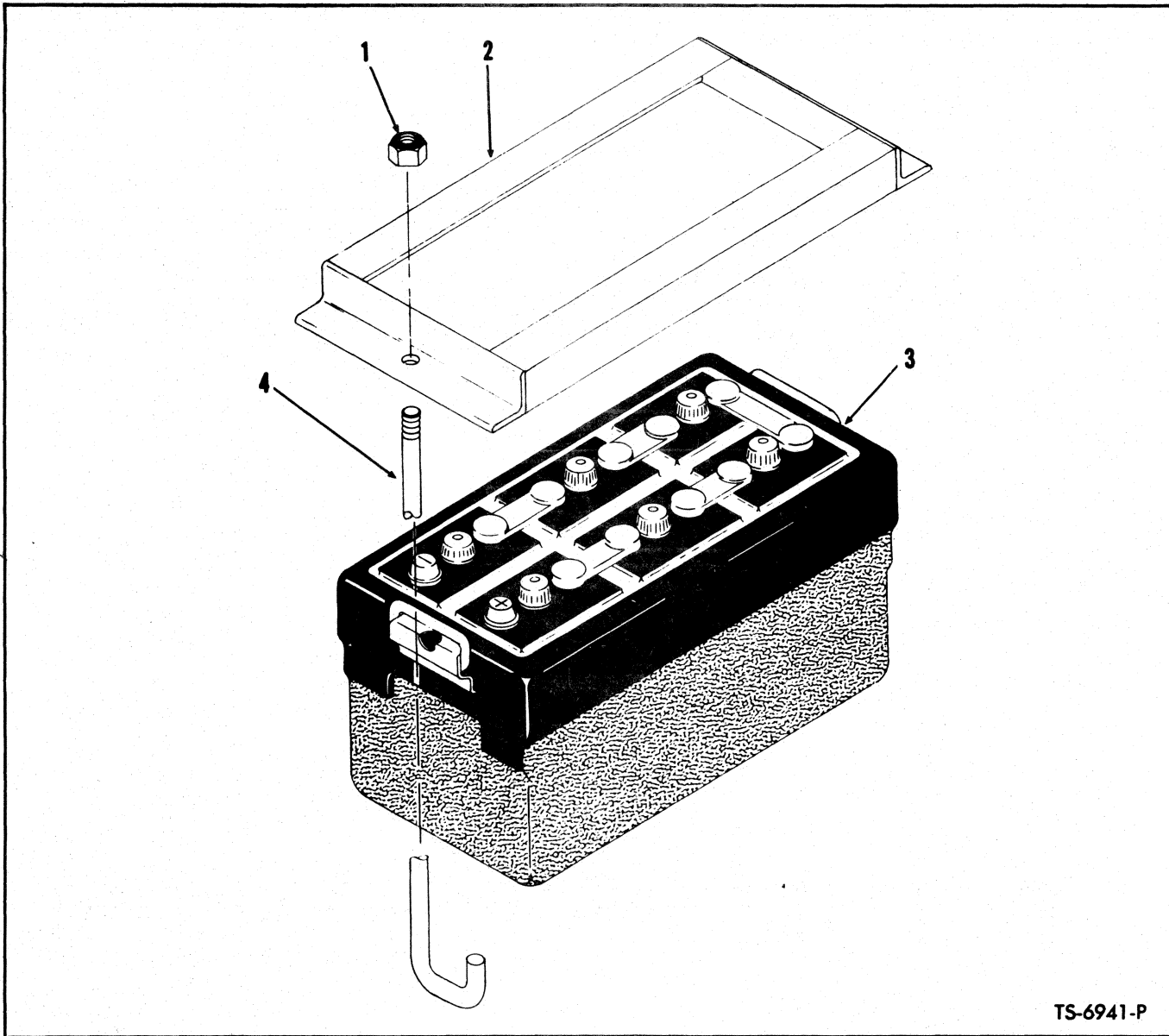
TS-9933-P

**HORN AND HORN RELAY**  
For Serial: 7WG101 and After

Item No.	Part No.	Description	No. Req'd.
1	----	FLOORBOARD, Rear — See Index .....	—
2	----	FLOORBOARD, Front — See Index .....	—
3	647310	RELAY, Horn .....	1
4	557438	WIRE, Horn to Relay .....	1
4A	562161	† WIRE, Relay to Steer Column Lead .....	1
5	885083	HORN .....	1
6	24C-512	BOLT, Horn to Floorboard .....	1
7	18D-05	NUT, Horn to Floorboard Bolt .....	1

† Not Illustrated

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



TS-6941-P

**BATTERY AND BATTERY HOLD DOWN – G.M.**

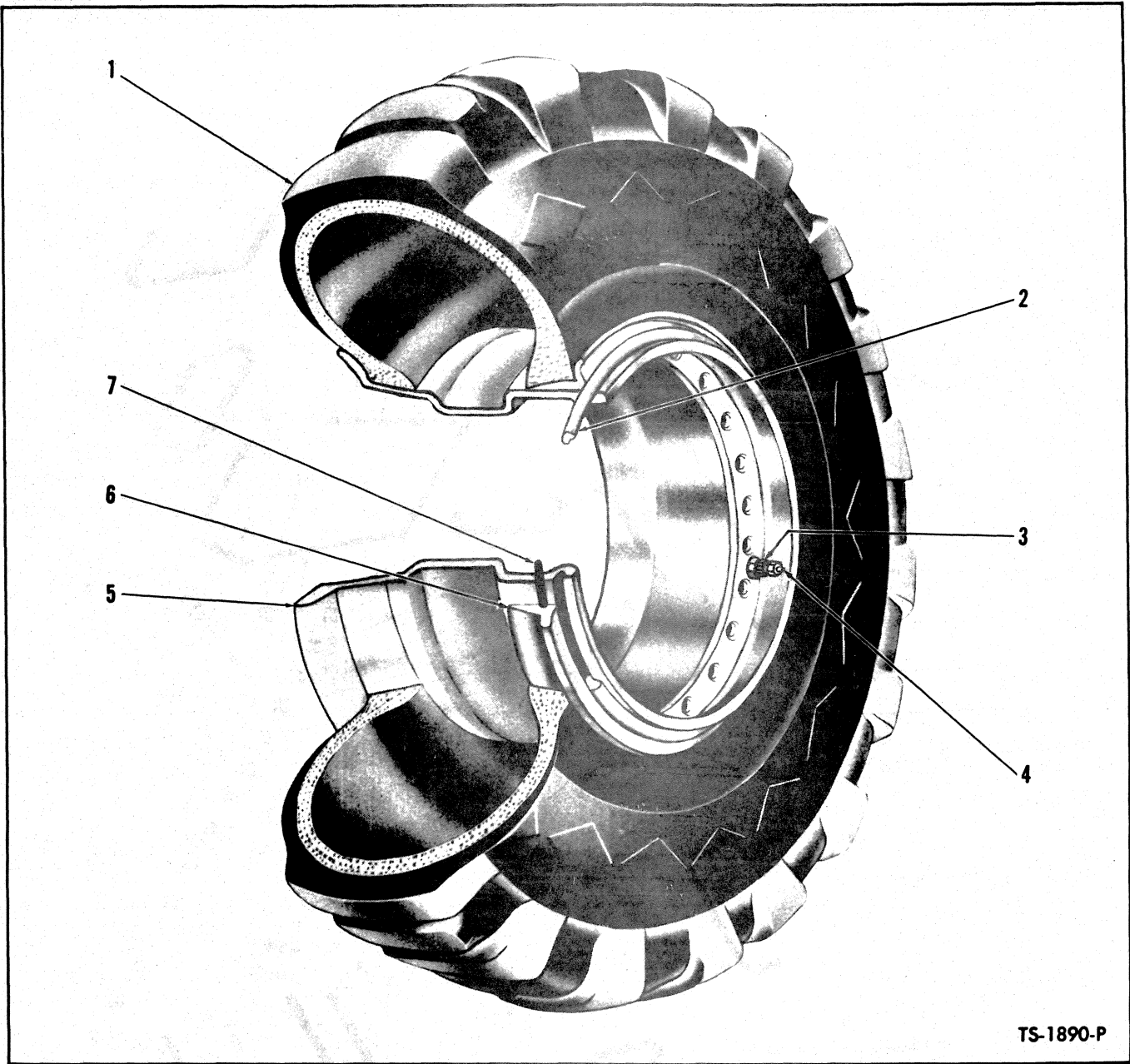
Item No.	Part No.	Description	No. Req'd.
1	17D-2	NUT, Battery Hold Down .....	2
2		HOLD DOWN, Battery	
2A	540748	* For Serial C3WG9-10 thru C3WG9-999 & C5WG9-10 thru C5WG9-50 .....	1
2B	1522984	For Serial C5WG9-51 thru C5WG9-999, 7WG101 & After .....	1
3	1310121	BATTERY .....	1
4		BOLT, Battery Hold Down	
4A	585592	For Serial C3WG9-10 thru C3WG9-999 & C5WG9-10 thru C5WG9-50 .....	2
4B	1523305	For Serial C5WG9-51 thru C5WG9-999, 7WG101 & After .....	2

\*NOTE: For replacement of 540748 Hold Down use one (1)—1522984 plus two (2)—1523305 Bolts.

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







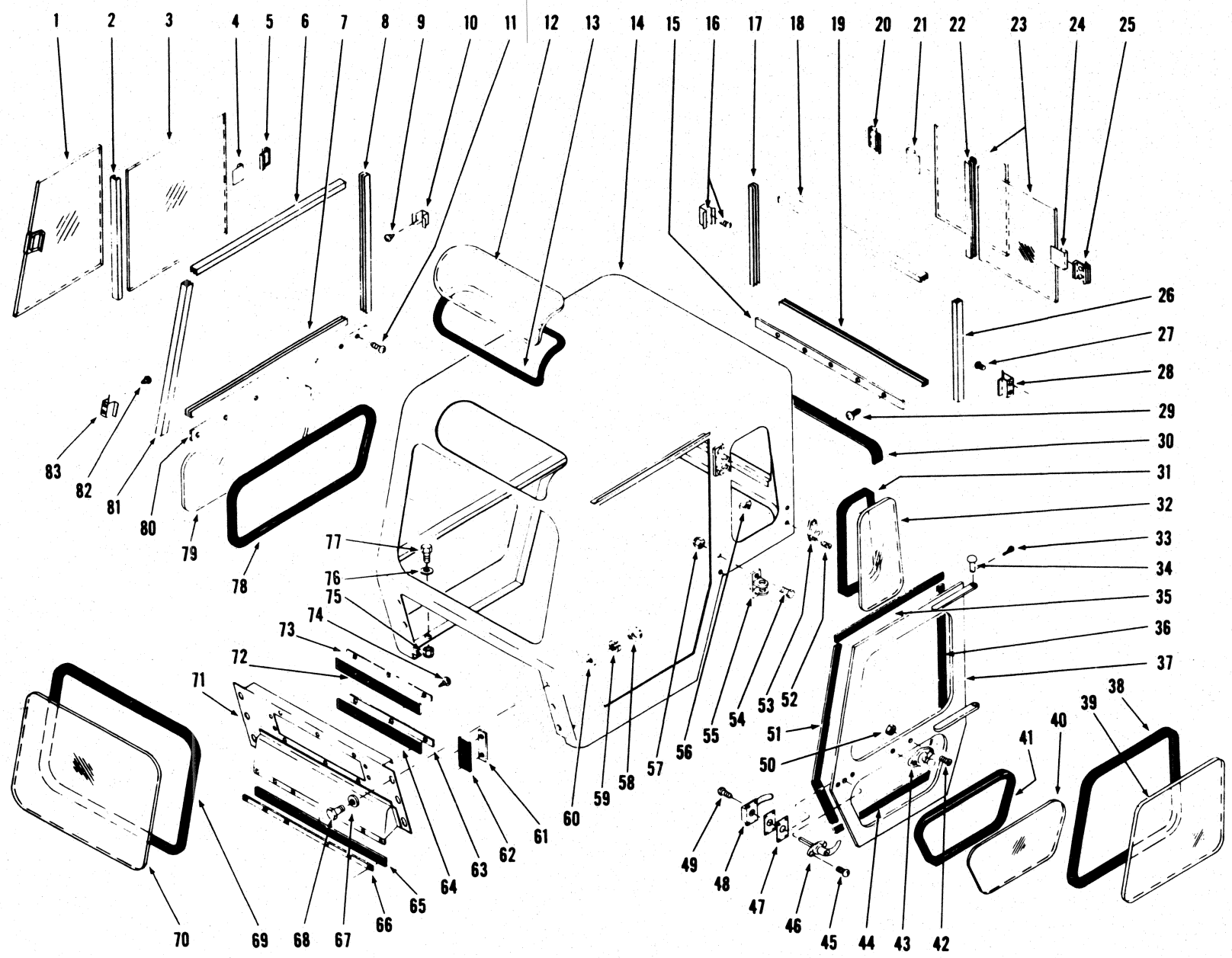
TS-1890-P

**WHEEL AND TIRE DATA**

Item No.	Part No.	Part No.	Part No.	Description	No. Req'd.
	12.0 x 24	13.0 x 24	14.0 x 24		
1	----	----	----	§TIRE	4
2	524009	524009	524009	RING, Lock	4
3	----	941422	941422	STEM, Valve (Inc. 4)	4
4	----	551685	551685	CAP, Valve	4
5	1544718	1544718	1544718	WHEEL	4
6	524010	524010	524010	FLANGE	4
7	----	941329	941329	O-RING	4

§Not Sold Separately

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



CAB ASSEMBLY

TS-4395

[ 150 ]

(1D5)



CAB ASSEMBLY (Single Door)

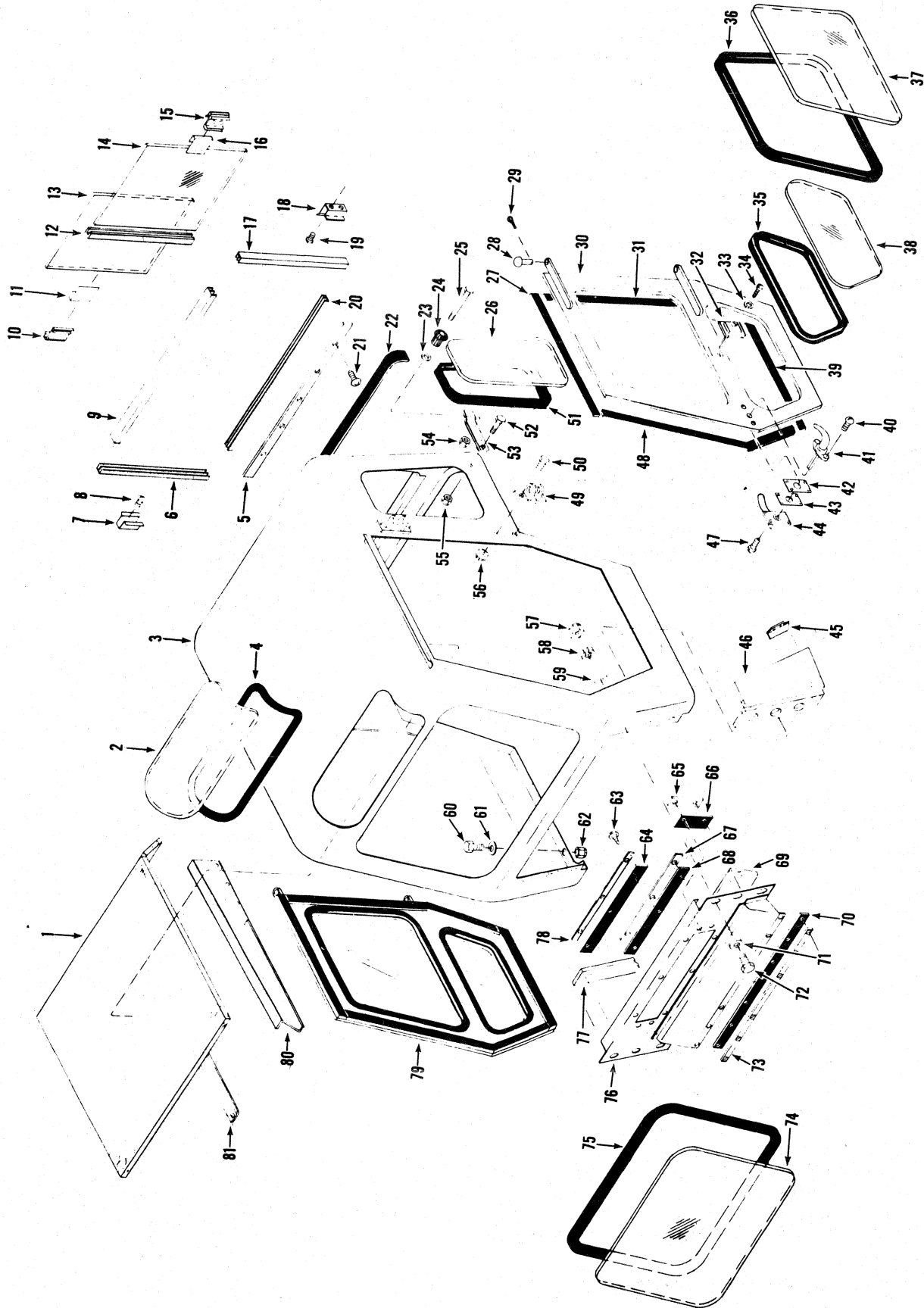
Table with 4 columns: Item No., Part No., Description, No. Req'd. It lists various components for a cab assembly, including glass patterns, channels, rubber, screws, nuts, washers, and moulding, with their respective quantities and part numbers.

†Not Illustrated

\*NOTE: For complete replacement use 1515523 Cab Assy.

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

TS-111798



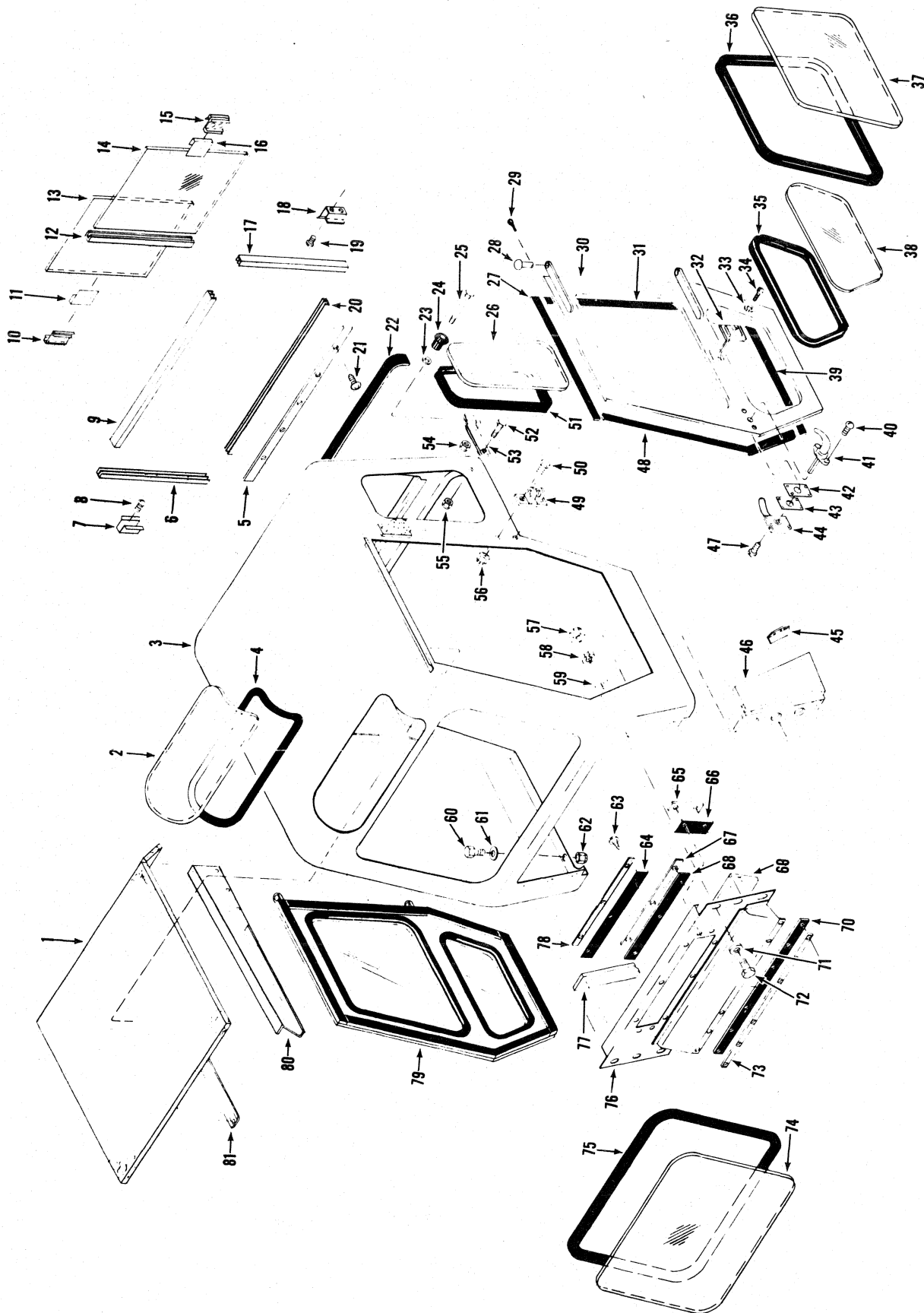


Cab Assembly – (Two Door)

No.	Part No.	Qty.	Description
A	1501988	1	Cab assy (Inc. 2 thru 44, 47 thru 57, 63 thru 68, 70 thru 76, 78, 79)
B	1515523	1	Cab assy (Inc. 1 thru 51, 63 thru 81)
1	1516588	1	Backing headliner
2	§-----	—	Glass pattern roof glass — See 82
3	§-----	—	Cab — See "A"
4	<sup>1</sup> 569694	—	Moulding roof glass
5	949831	1	Retainer bottom — Rear
6	<sup>2</sup> 569696	—	Channel side — Rear
7	557465	1	Lock strike glass
8	58G-606	2	Screw lock strike mounting
9	<sup>2</sup> 569696	—	Channel top — Rear
10	589571	1	Lock sliding glass
11	<sup>3</sup> 589572	—	Rubber glazing
12	<sup>1</sup> 139149	—	Channel glass divider
13	§-----	—	Glass pattern rear — See 81
14	§-----	—	Glass pattern rear — See 81
15	589571	1	Lock sliding glass
16	<sup>3</sup> 589572	—	Rubber glazing
17	<sup>2</sup> 569696	—	Channel side — rear
18	557465	1	Lock strike glass
19	58G-606	2	Screw lock strike mtg.
20	<sup>2</sup> 569696	—	Channel lower — rear
21	945518	5	Screw retainer mounting
22	<sup>1</sup> 521844	—	Weatherstrip — R
23	25E-18	1	Washer
24	949596	2	Bumper rubber
25	1C-410	2	Bolt bumper mtg.
26	§-----	—	Glass pattern — side — See 81
27	<sup>5</sup> 949823	—	Rubber door top
28	4F-08127	4	Pin clevis
29	1F-514	4	Pin cotter
30	949851	1	Door — L.H.
30A	949852	1	Door — R.H.
31	<sup>1</sup> 949823	—	Rubber door seal
32	560650	2	Latch door
33	-----	—	Omit
34	945518	8	Screw
35	<sup>1</sup> 569694	—	Moulding
36	<sup>4</sup> 569694	—	Moulding
37	§-----	—	Glass — See 82
38	§-----	—	Glass — See 82
39	<sup>7</sup> 949823	—	Rubber door — bottom
40	945518	4	Screw
41	2503754	2	Handle
42	945513	1	Shim
43	945513	1	Shim

15'  
23'  
33"  
445"  
52'  
616'  
74'

TS-11798



**Cab Assembly – (Two Door) (Continued)**

No.	Part No.	Qty.	Description
44	942874	1	Lock door – L.H.
44A	†138249	1	Lock door – R.H.
45	1516593	1	Angle – L.H.
45A	†1516592	1	Angle – R.H.
46	1516598	1	Panel – L.H.
46A	†1516597	1	Panel – R.H.
46B	†14G-1008	4	Screw
47	87G-1010	8	Screw
48	949823	—	Moulding
49	945512	—	Hinge
50	1C-514	4	Bolt
50A	†4E-05	4	Lockwasher
51	569694	—	Moulding
52	1C-410	4	Bolt
53	104523	2	Bracket
54	947860	2	Nut
55	61D-04	2	Nut
56	61D-05	2	Nut
57	61D-05	6	Nut
58	-----	—	Omit
59	25E-15	6	Washer
60	24C-620	4	Bolt
61	619020	2	Washer
62	18D-06	4	Nut
63	14G-1008	16	Screw
64	945548	—	Moulding
65	945515	2	Retainer
66	945541	—	Rubber
67	945514	1	Retainer
68	945541	—	Rubber
69	1516591	1	Panel
70	945539	—	Rubber
71	25E-14	6	Washer
72	1C-514	6	Bolt
73	945517	1	Retainer
74	S-----	—	Glass – See 82
75	569694	—	Moulding
76	945546	1	Cowl
77	1516589	1	Panel – R.H.
78	1516590	1	Panel – L.H.
79	S-----	—	Door – See 30
80	1516601	1	Panel – L.H.
80A	1516600	1	Panel – R.H.
80B	†14G-1008	8	Screw
81	1516599	1	Panel
81A	†14G-1008	2	Screw
82	†945148	1	Glass pattern (Inc. 2, 13, 14, 26, 37, 38, 74)

110'  
212'  
32'  
49"  
514"  
627"  
79'



WIRING

For Serial: Cont. - C3WCO9-10 thru C3WCO9-999
G.M. - C3WG9-10 thru C5WG9-999
Wauk. - C3WA9-10 thru C3WA9-999

Table with 6 columns: Item No., Continental, G.M., Waukesha, Description, No. Req'd. Rows 1-7 listing wiring harnesses and wire assemblies.

\*For Serial: G.M. - C5WG9-102 thru C5WG110, C5WG9-115 thru 999; Continental - C3WCO9-157; C3WCO9-159 thru C3WCO9-999; Waukesha - C3WA9-10 thru C3WA9-999.

BATTERY CABLES

For Serial: Cont. - C3WCO9-10 thru C3WCO9-999
G.M. - C3WG9-10 thru C5WG9-999
Wauk. - C3WA9-10 thru C3WA9-999

Table with 6 columns: Item No., Continental, G.M., Waukesha, Description, No. Req'd. Rows 1-3 listing battery cables.

LIGHTS

For Serial: Cont. - C3WCO9-10 thru C3WCO9-999
G.M. - C3WG9-10 thru C5WG9-999, 7WG101 & ->
Wauk. - C3WA9-10 thru C3WA9-999

Table with 5 columns: Item No., Part No., Description, No. Req'd. Rows 1-4 listing lamp assemblies and nuts.

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





CONSTRUCTION MACHINERY DIVISION



WIRING & BATTERY CABLES

For Serial: G.M. 7WG101 & →

Item No.	Part No.	Description	No. Req'd.
1	1538657	HARNES, Main Wiring	1
2	585754	WIRE, Light Switch to Head Lights	2
3	1538615	CABLE, Battery to Ground	1
4	1538614	CABLE, Battery to Solenoid	1

DECALS & NAMEPLATES

For Serial: Cont. - C3WCO9-10 thru C3WCO9-999  
G.M. - C3WG9-10 thru C5WG9-999, 7WG101 & →  
Wauk. - C3WA9-10 thru C3WA9-999

Item No.	Part No.	Description	No. Req'd.
1	2513351	DECAL, Clark	2
2	2514246	DECAL, Model 35	2
3	548472	DECAL, Oil Level - Reservoir & Transmission	1
4	585986	DECAL, Fill - Torque Converter	1
5	585755	DECAL, Gear Shift	1
6	1512863	DECAL, Safety Warning	1
7	1520495	DECAL, "Best on Earth"	2
8	1512006	DECAL, Patent	1
9	1523338	DECAL, Oil Change	1
10	1548364	DECAL, Emergency Brake Warning	1
11	1549006	DECAL, Emergency Hand Brake	1
12	1549005	DECAL, Not For Parking	1

TOOLS

For Serial: Cont. - C3WCO9-10 thru C3WCO9-999  
G.M. - C3WG9-10 thru C5WG9-999, 7WG101 & →  
Wauk. - C3WA9-10 thru C3WA9-999

No. Item	No. Part	Description	No. Req'd.
1	526629	WRENCH, Hub Bearing	1
2	552164	HANDLE, Wrench	1
3	711264	*WRENCH, Wheel	1

\*OPTIONAL EQUIPMENT - Not furnished with machine.

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

中華民國九十四年六月三十日止  
資產負債表

資產	金額	單位
現金	1,000,000	元
短期有價證券	500,000	元
應收帳款	2,000,000	元
其他資產	1,500,000	元
總計	5,000,000	元

負債及權益

負債及權益之總額應與資產之總額相等

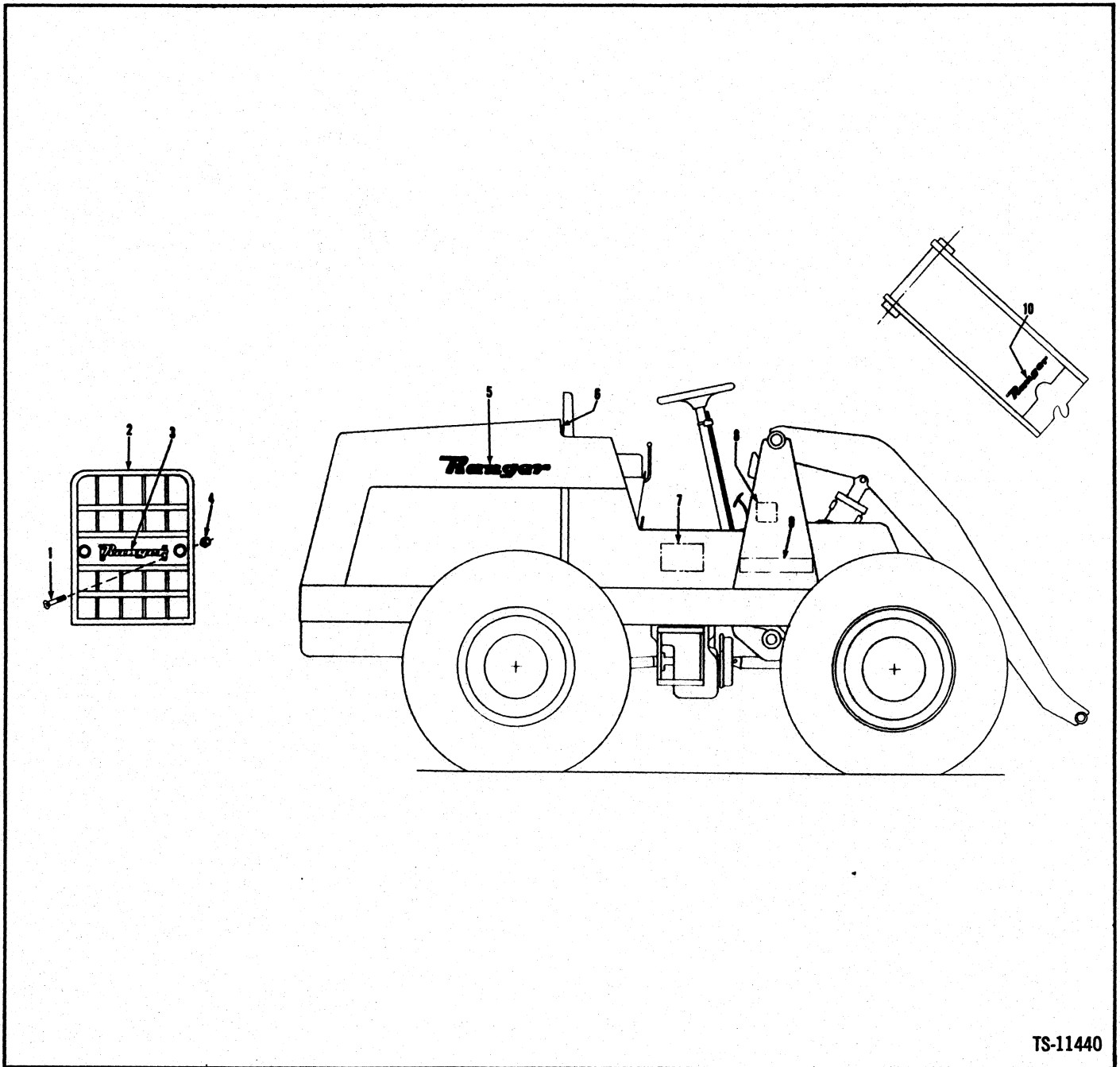
負債及權益	金額	單位
短期借款	1,000,000	元
應付帳款	500,000	元
其他負債	2,000,000	元
資本	1,500,000	元
盈餘	500,000	元
總計	5,000,000	元

附註

本表係根據本公司會計帳簿編製，業經會計師查核無異

附註	金額	單位
1. 現金	1,000,000	元
2. 短期有價證券	500,000	元
3. 應收帳款	2,000,000	元
4. 其他資產	1,500,000	元
5. 短期借款	1,000,000	元
6. 應付帳款	500,000	元
7. 其他負債	2,000,000	元
8. 資本	1,500,000	元
9. 盈餘	500,000	元

本表業經會計師查核無異，特此聲明。



TS-11440

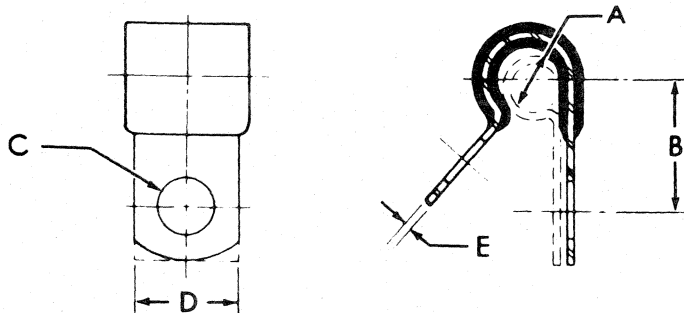
No.	Part No.	Qty.	Description
1	76-424	4	Screw
2	<sup>3</sup> _____	—	Grille
3	1515943	1	Nameplate grille
4	17D-14	4	Locknut
5	1909493	2	Decal ranger
6	1516973	1	Plate serial number
8	1516930	2	Decal number
9	2503923	2	Decal AWS
10	1515358	1	Decal ranger

<sup>3</sup>See Index

**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.

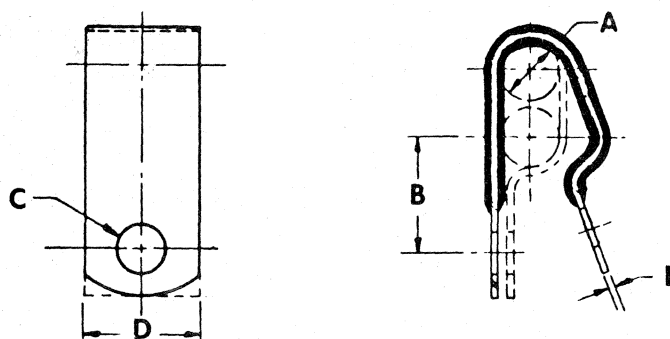
**INSULATED CLIP**



TS-5008-P

Item No.	PART NUMBER	A	B	C	D	E	F
1	30H-10	$\frac{3}{16}$	$\frac{1}{2}$	$\frac{9}{32}$	$\frac{1}{2}$	.032	
2	30H-12	$\frac{3}{16}$	$\frac{5}{8}$	$1\frac{3}{32}$	$\frac{3}{4}$	.032	
3	30H-20	$\frac{5}{16}$	$1\frac{1}{16}$	$1\frac{3}{32}$	$\frac{3}{4}$	.032	
4	30H-31	$\frac{1}{2}$	$2\frac{5}{32}$	$1\frac{3}{32}$	$\frac{3}{4}$	.048	
5	30H-38	$\frac{5}{8}$	$2\frac{7}{32}$	$1\frac{3}{32}$	$\frac{3}{4}$	.048	
6	30H-44	$1\frac{1}{16}$	1	$1\frac{7}{32}$	1	.048	
7	30H-50	$1\frac{5}{16}$	1	$1\frac{3}{32}$	$\frac{3}{4}$	.048	
8	30H-52	$1\frac{5}{16}$	$1\frac{1}{8}$	$1\frac{7}{32}$	1	.048	

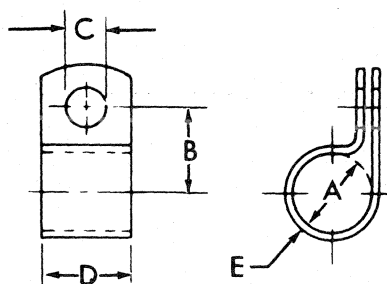
**INSULATED DOUBLE CLIP**



TS-7073-P

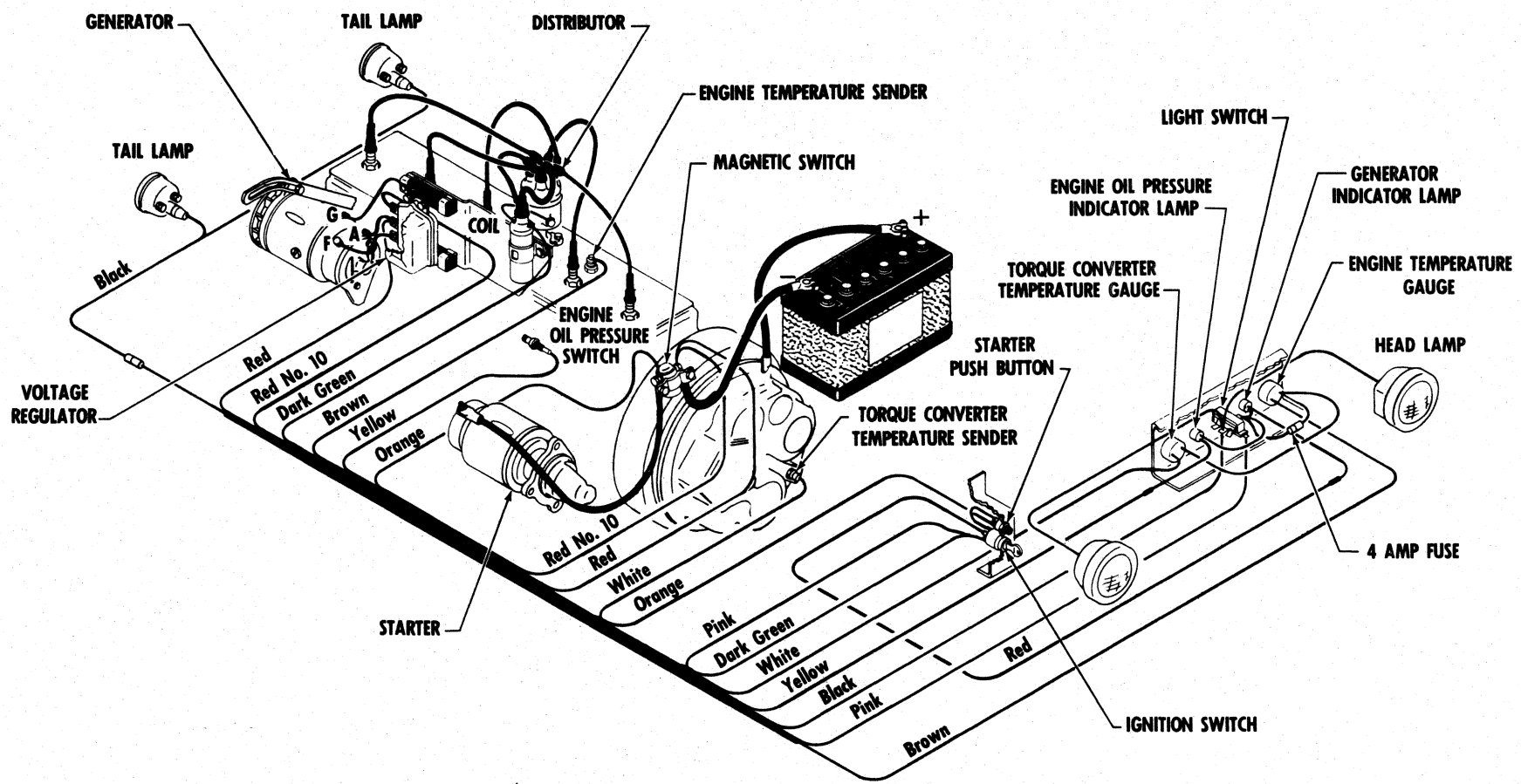
Item No.	PART NUMBER	A	B	C	D	E	F
9	31H-19	$\frac{3}{8}$	$2\frac{3}{32}$	$1\frac{3}{32}$	$\frac{3}{4}$	.050	

**CLOSED CLIP**



TS-5009-P

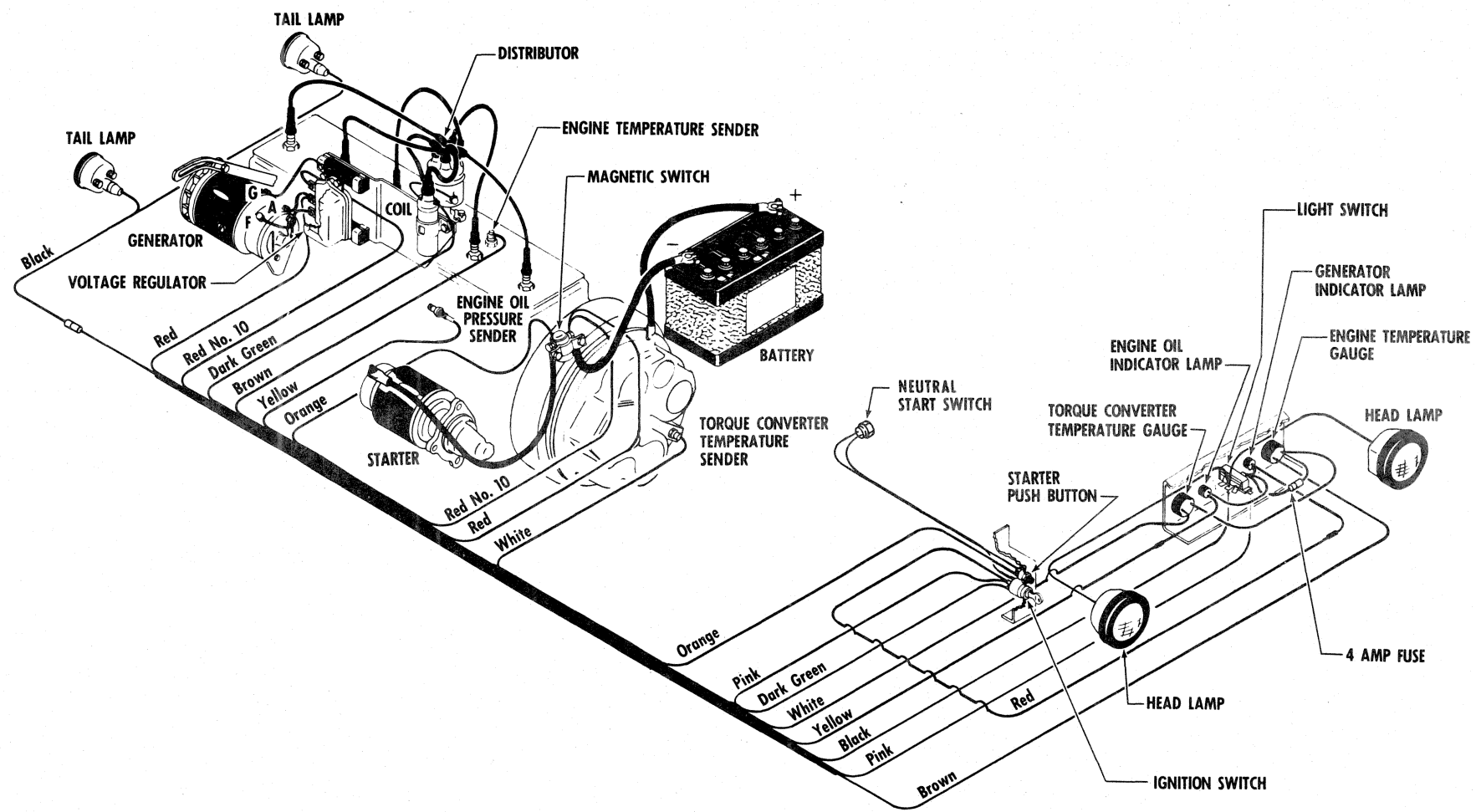
Item No.	PART NUMBER	A	B	C	D	E
10	6H-2	$\frac{3}{16}$	$\frac{5}{8}$	$1\frac{3}{32}$	$\frac{3}{4}$	.032
11	6H-6	$\frac{1}{4}$	$2\frac{5}{32}$	$1\frac{7}{32}$	$\frac{7}{8}$	.032
12	6H-16	$\frac{5}{8}$	$1\frac{3}{16}$	$\frac{9}{32}$	$\frac{3}{4}$	.048



All Wires No. 14 Gauge Unless Otherwise Specified.

WIRING DIAGRAM  
CONTINENTAL — C3WCO9-10 thru C3WCO9-156, C3WCO9-158

TS-3959-P



(All Wires No. 14 Gauge Unless Otherwise Specified.)

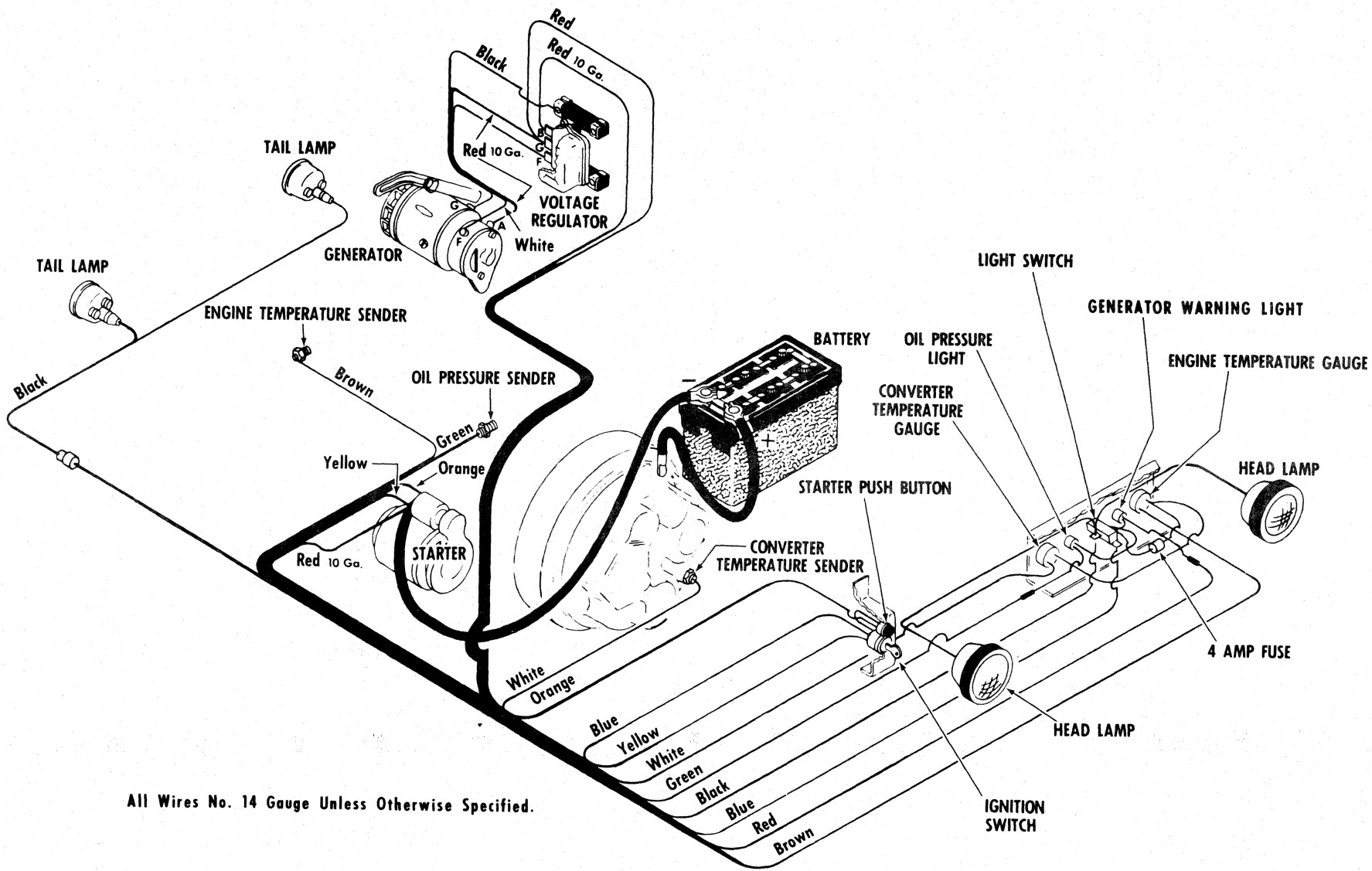
WIRING DIAGRAM  
CONTINENTAL — C3WCO9-157, C3WCO9-159 thru C3WCO9-999

TS-7930-P

[ 160 ]

( 11 20 )

PM 2988



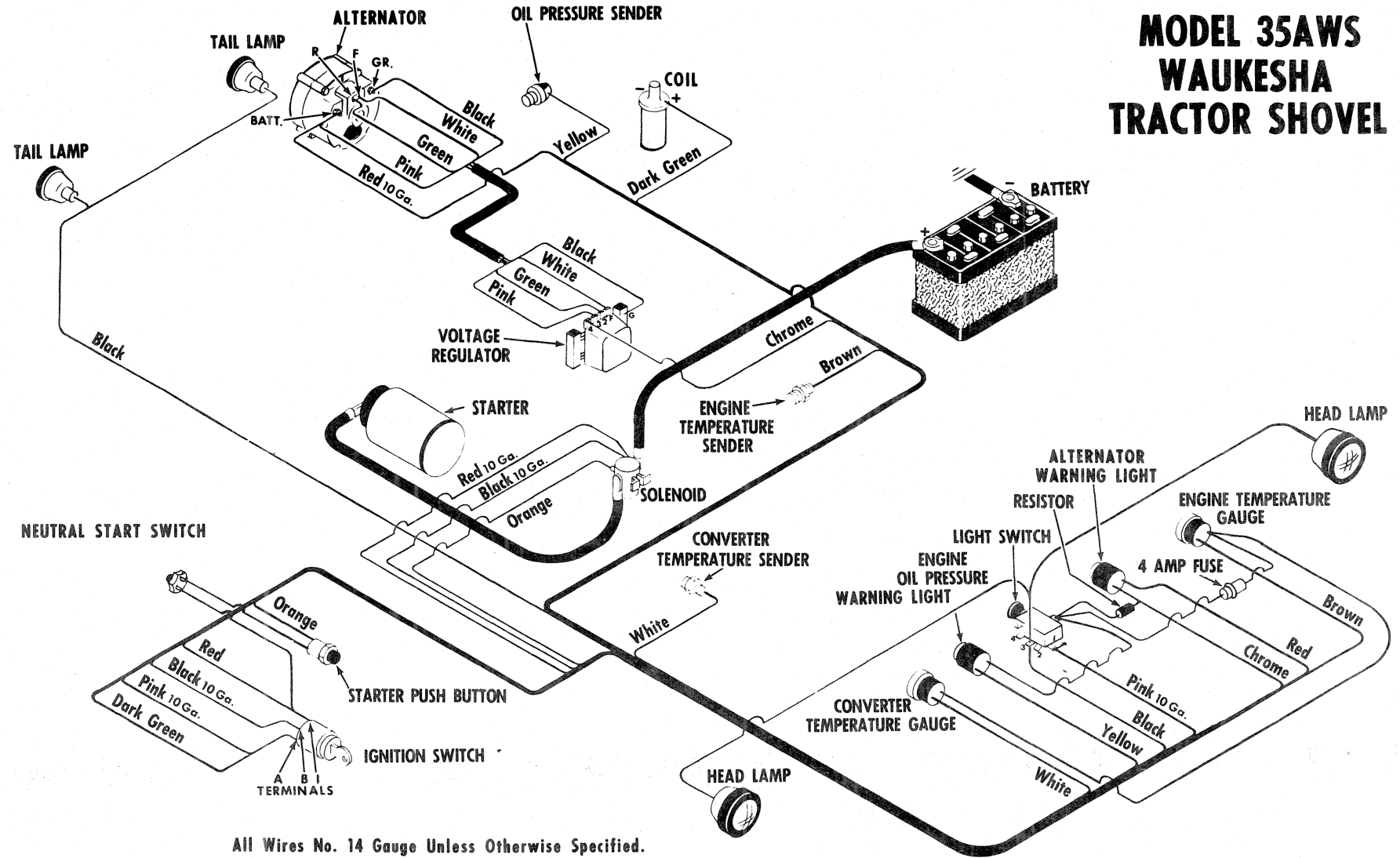
All Wires No. 14 Gauge Unless Otherwise Specified.

**WIRING DIAGRAM**

G.M. — C3WG9-10 thru C3WG9-999, C5WG9-10 thru C5WG9-101, C5WG9-111 thru C5WG9-114

TS-6940-P

# MODEL 35AWS WAUKESHA TRACTOR SHOVEL



All Wires No. 14 Gauge Unless Otherwise Specified.

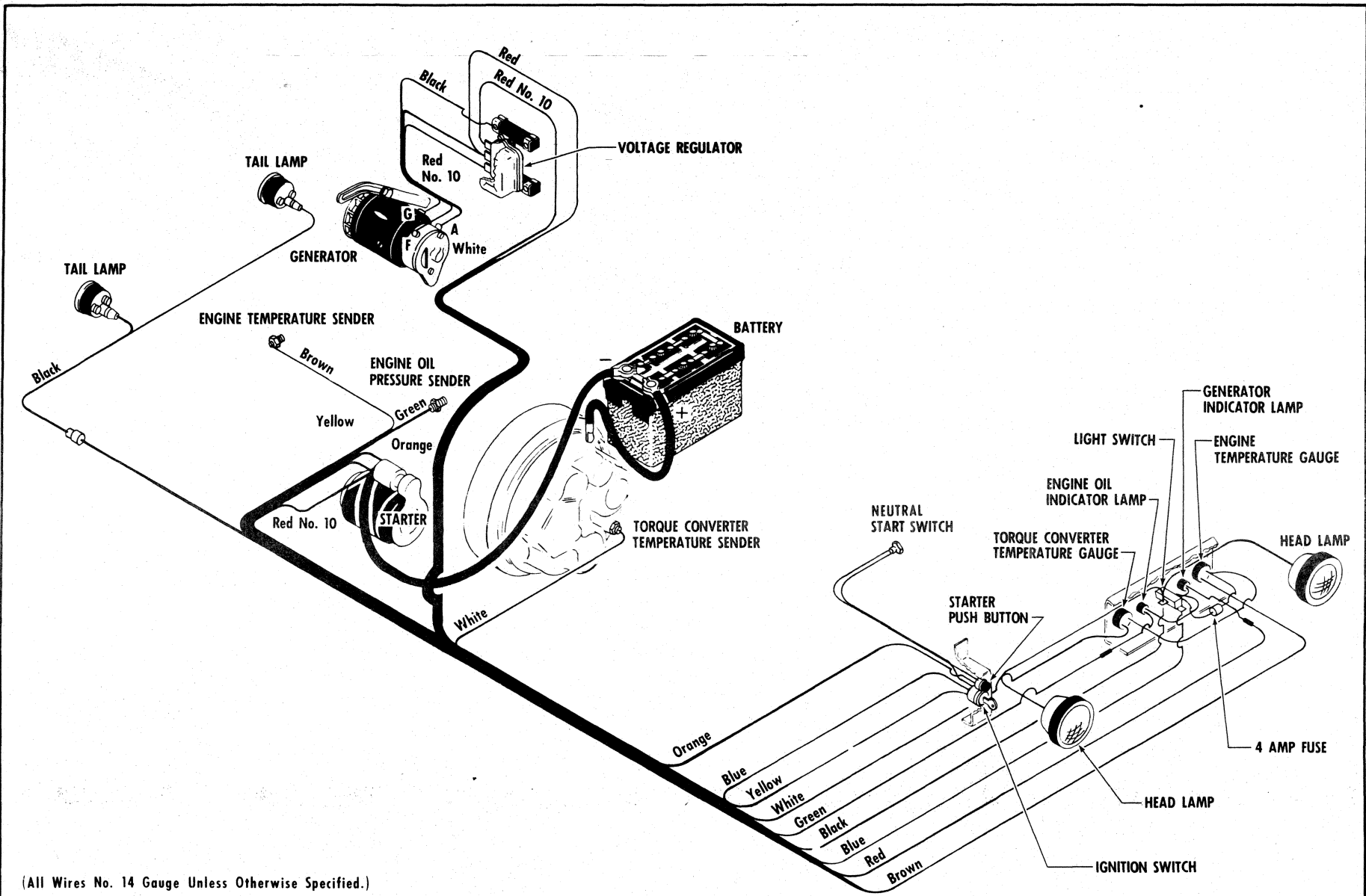
WIRING DIAGRAM — WAUKESHA

TS-8367-P

[ 162 ]

(11 22)

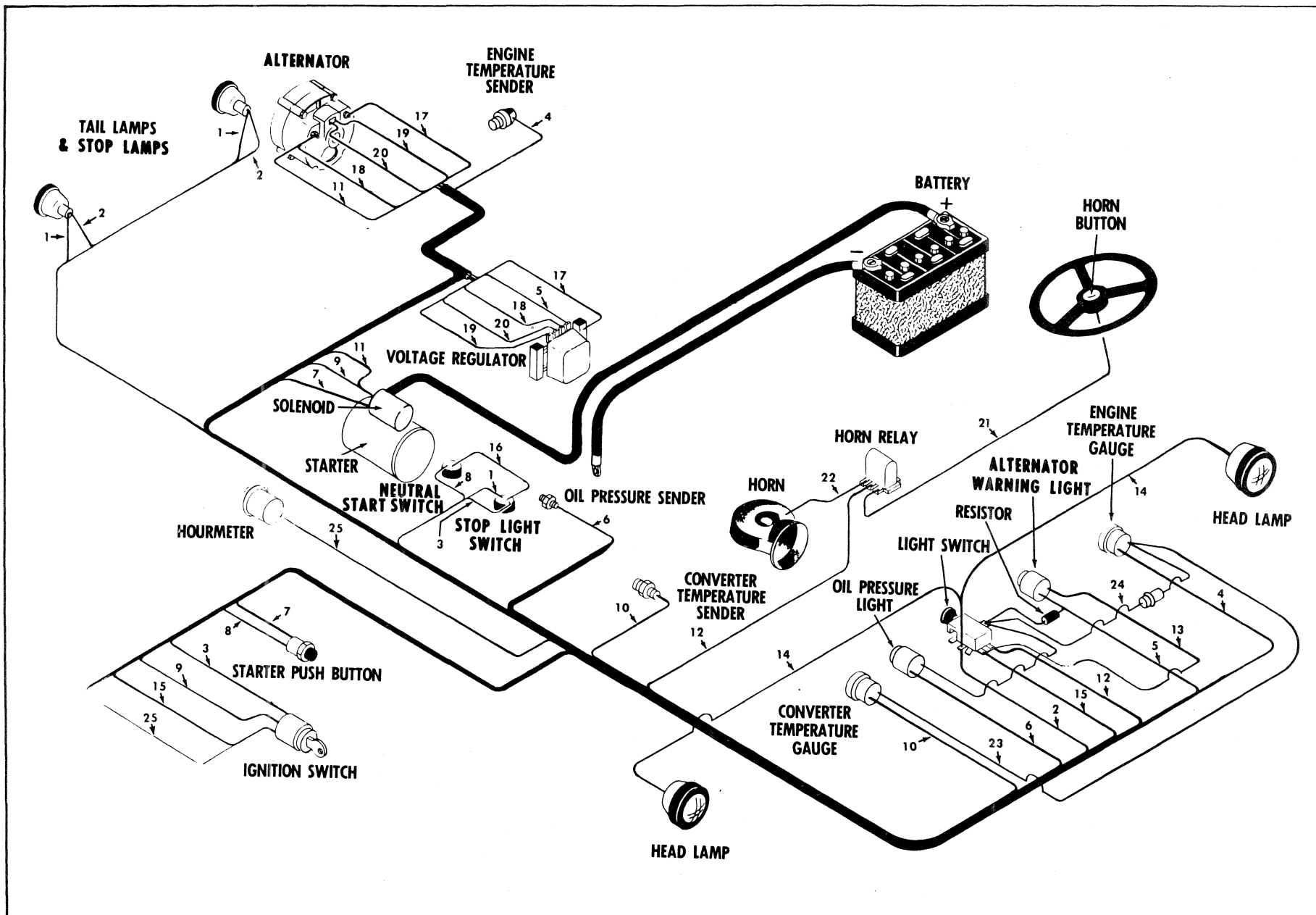




(All Wires No. 14 Gauge Unless Otherwise Specified.)

WIRING DIAGRAM  
G.M. — C5WG9-102 thru C5WG9-110, C5WG9-115 and thereafter

TS-7932-P



WIRING DIAGRAM  
For Serial: G.M. — 7WG101 thru 7WG345

TS-9929-P

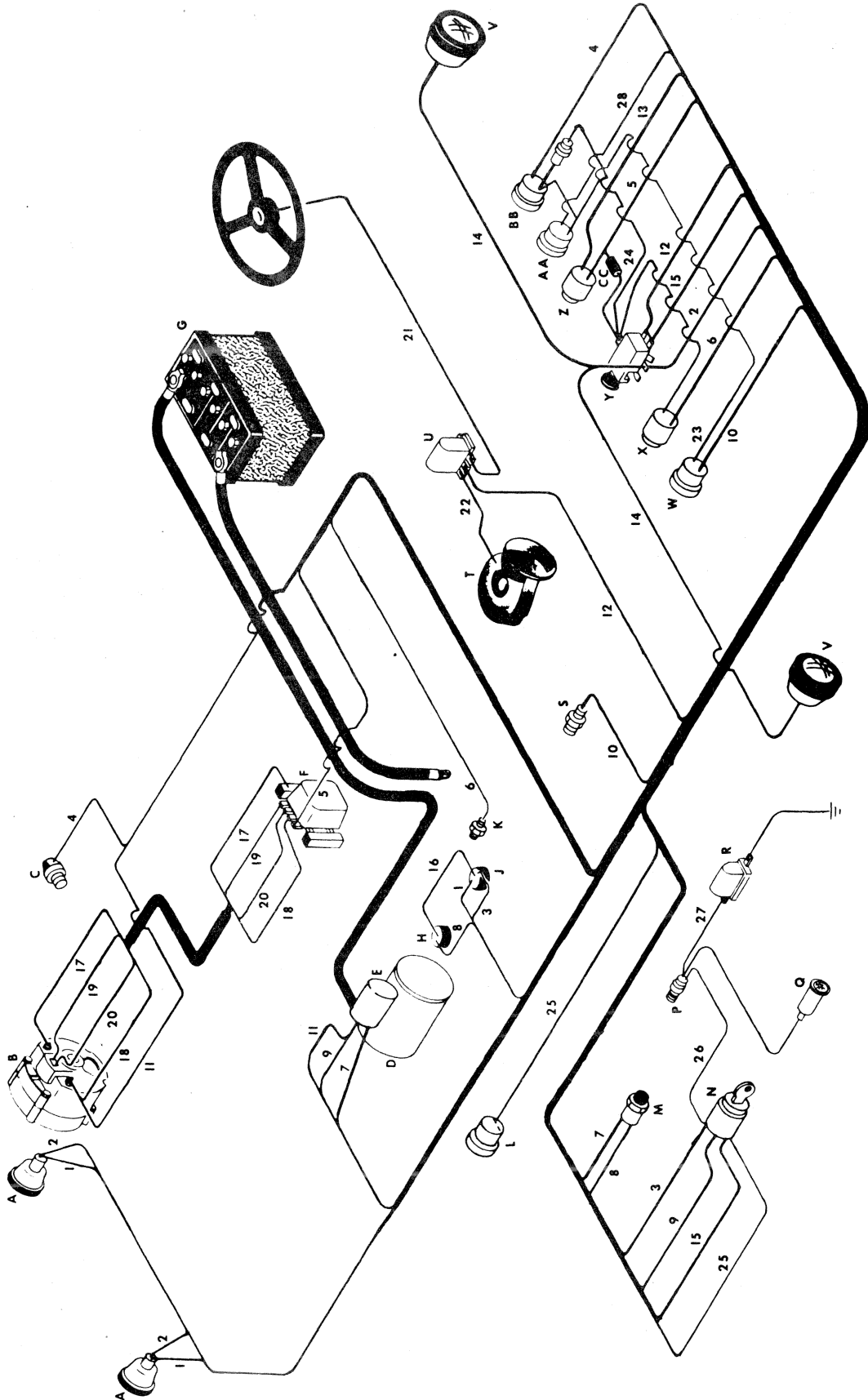
[ 164 ]

(1J1)

**WIRING DIAGRAM COLOR CODE CHART FOR USE WITH TS-9929**

Ref. No.	Color	Circuit
1.	Lt. Green	Brake Switch to Stoplights
2.	Black	Light Switch to Tail Lights
3.	Tan	Ignition Switch to Brake Switch
4.	Brown	Engine Temp. Sender to Engine Temp. Gauge
5.	Gray	Voltage Regulator to Dash Resistor
6.	Green	Engine Oil Press. Sender to Warning Light
7.	Orange	Starter Button to Starter Solenoid
8.	Pink	Starter Button to Neutral Start Switch
9.	Yellow	Starter to Ignition Switch
10.	White	Converter Temp. Sender to Converter Temp. Gauge
11.	Red	Alternator Batt. Terminal to Starter
12.	Yellow	Light Switch to Horn Relay
13.	Blue	Light Switch to Alternator Warning Light
14.	Black	Light Switch to Head Lamps
15.	Blue	Ignition Switch to Light Switch
16.	Tan	Brake Switch to Neutral Start Switch
17.	Black	Alternator Ground to Regulator Ground
18.	Pink	Alternator Batt. Terminal to Regulator = 3
19.	White	Alternator Field to Regulator # 1
20.	Green	Alternator Relay to Regulator # 2
21.	White	Horn Button to Horn Relay
22.	Black	Horn Relay to Horn
23.	Red	Converter Temp. Gauge to Engine Temp. Gauge
24.	White	Light Switch to Engine Temp. Gauge
25.	Black	Ignition Switch to Hourmeter





**ELECTRICAL WIRING COLOR CODE**  
**G.M. S/N 7WG346 & after**

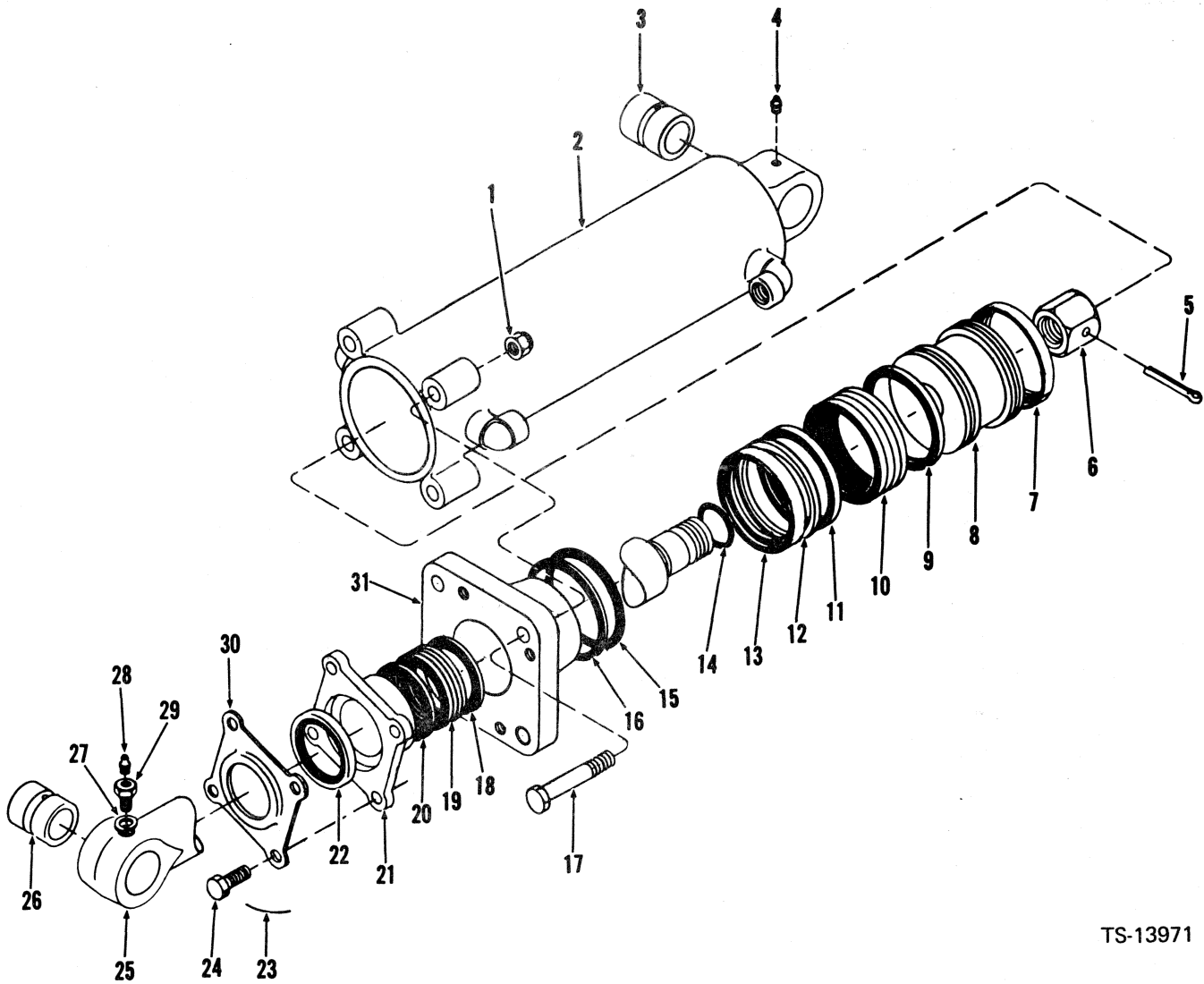
Ref. No.	Color	Circuit
1.	Lt. Green	Brake Switch to Stoplights
2.	Black	Light Switch to Tail Lights
3.	Tan	Ignition Switch to Brake Switch
4.	Brown	Engine Temp. Sender to Engine Temp. Gauge
5.	Gray	Voltage Regulator to Dash Resistor
6.	Green	Engine Oil Press. Sender to Warning Light
7.	Orange	Starter Button to Starter Solenoid
8.	Pink	Starter Button to Neutral Start Switch
9.	Yellow	Starter to Ignition Switch
10.	White	Converter Temp. Sender to Converter Temp. Gauge
11.	Red	Alternator Batt. Terminal to Starter
12.	Yellow	Light Switch to Horn Relay
13.	Blue	Light Switch to Alternator Warning Light
14.	Black	Light Switch to Head Lamps
15.	Blue	Ignition Switch to Light Switch
16.	Tan	Brake Switch to Neutral Start Switch
17.	Black	Alternator Ground to Regulator Ground
18.	Pink	Alternator Batt. Terminal to Regulator #3
19.	White	Alternator Field to Regulator #1
20.	Green	Alternator Relay to Regulator #2
21.	White	Horn Button to Horn Relay
22.	Black	Horn Relay to Horn
23.	Black	Converter Temp. Gauge to Air Pressure Gauge to Engine Temp. Gauge
24.	White	Light Switch to Engine Temp. Gauge
25.	Black	Ignition Switch to Hourmeter
26.	Black	Ignition Switch to Air Pressure Switch
27.	Black	Air Pressure Switch to Buzzer
28.	Lt. Green	Air Pressure Gauge to Sender

**35 AWS — G.M.**

A — Stop & Tail Lamps  
 B — Alternator  
 C — Engine Temp. Sender  
 D — Starter  
 E — Starter Solenoid  
 F — Voltage Regulator  
 G — Battery  
 H — Neutral Start Switch  
 J — Stop Light Switch

K — Engine Oil Press. Sender  
 L — Hourmeter  
 M — Starter Push Button  
 N — Ignition Switch  
 P — Low Air Pressure Switch  
 Q — Low Air Warning Light  
 R — Buzzer  
 S — Converter Temp. Sender  
 T — Horn

U — Horn Relay  
 V — Head Lamps  
 W — Converter Temp. Gauge  
 X — Oil Press. Warning Light  
 Y — Light Switch  
 Z — Alternator Warning Light  
 AA — Air Pressure Gauge  
 BB — Engine Temp. Gauge  
 CC — Resistor



TS-13971

No.	Part No.	Qty.	Description
A	1,10 1534089	2	Cylinder assembly
B	12,13 2516074	1	Kit
1	68D-07	4	Nut
2	2 1534090	1	Cylinder
3	538604	1	Bushing
4	10H-35	1	Fitting grease
5	1F-640	1	Pin cotter
6	1514638	1	Nut
7	§11 -----	1	Ring
8	3 512789	1	Piston
9	§4 -----	2	Male adapter
10	§5,11 -----	1	Packing assy
11	§4 -----	2	Female adapter
12	§±11 -----	—	Shim
13	§11 -----	2	Wear ring
14	§11 -----	1	O-ring
15	§11 -----	1	O-ring

No.	Part No.	Qty.	Description
16	§11 -----	1	Ring back-up
17	24C-752	4	Bolt
18	§6 -----	2	Male adapter
19	2501106	1	Packing assy
20	§6 -----	1	Female adapter
21	526451	1	Gland
22	941568	1	Seal
23	8 -----	4	Lockwire
24	4C-620	4	Bolt
25	9 537208	1	Rod assy
26	532915	1	Bushing
27	7E-08	1	Lockwasher
28	10H-35	1	Fitting grease
29	532857	1	Bolt
30	512797	1	Retainer
31	945112	1	Cap

1 Inc. 1 → 3, 5 → 27, 29 → 31

2 Inc. 3

3 For replacement use 1503639 Piston plus 1-2516071 Kit.

4 See 10

5 Inc. 9, 11

6 See 19

7 Inc. 18, 20

8 16 ga. x 13" lg.

9 Inc. 26

10 For Replacement use 2512955

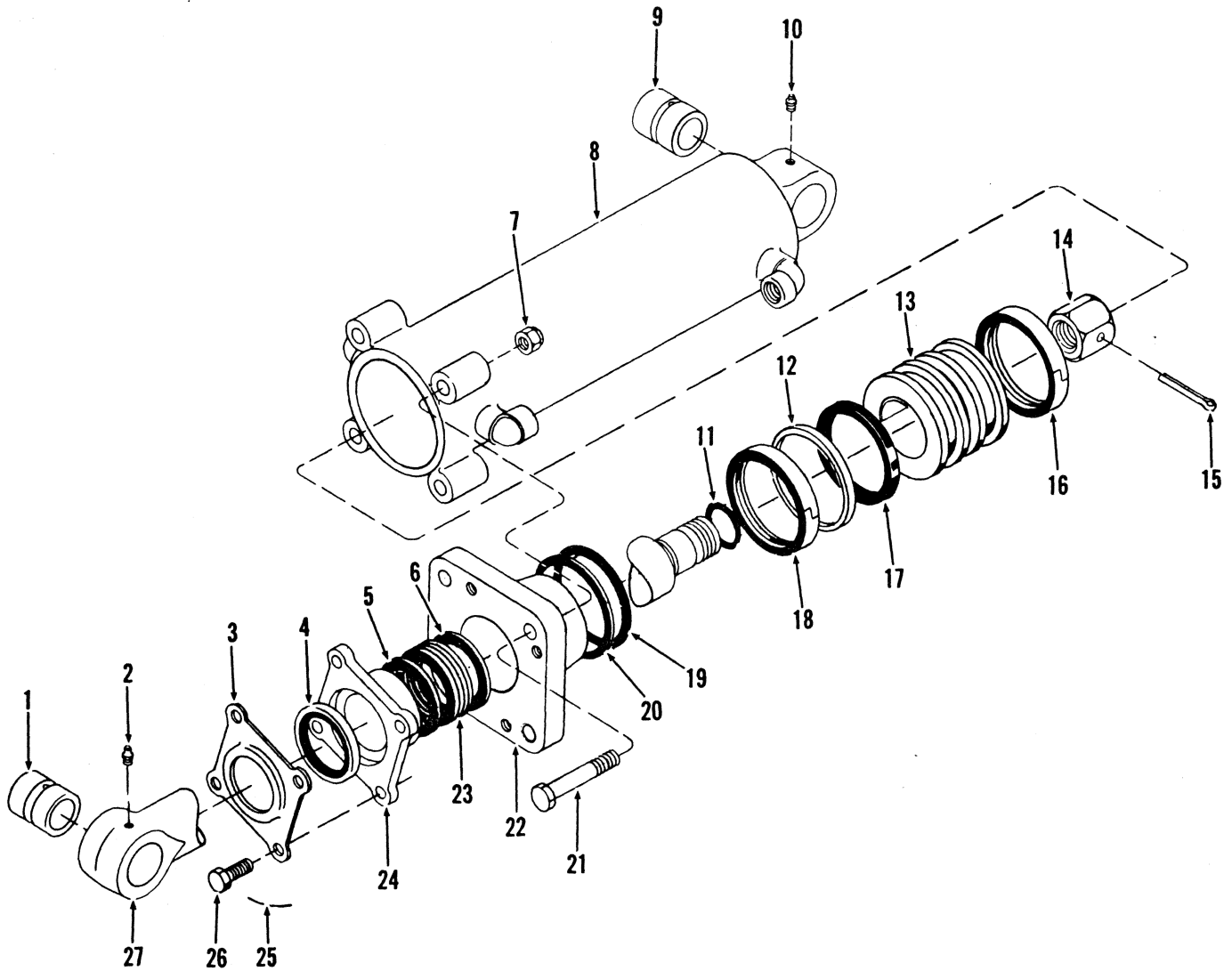
11 See B

12 Inc. 5, 7, 9 → 16, 18 → 20

13 For reference see Service Gram S.G.-597A.

# CYLINDER ASSEMBLY (Clamp - 3.5") (88.9 mm)

# CLARK

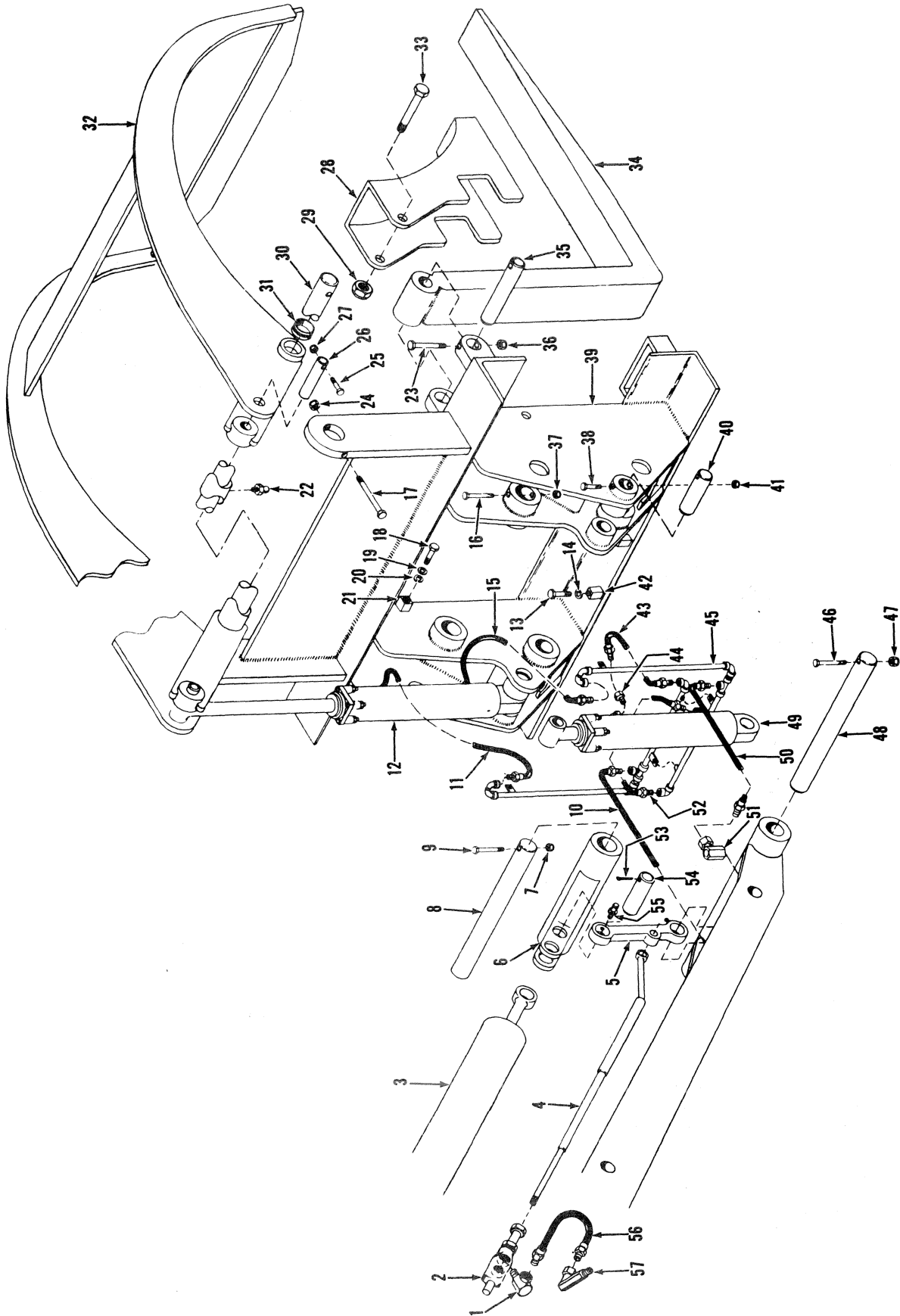


TS-14446

No.	Part No.	Description
A	22512955	1 Cylinder assembly
B	8,92516071	1 Kit
1	538604	1 Bushing
2	10H-35	1 Fitting grease
3	512797	1 Retainer
4	941568	1 Seal
5	§3----	2 Adapter female
6	§3----	2 Adapter male
7	68D-07	4 Nut
8	41534090	1 Cylinder
9	538604	1 Bushing
10	10H-35	1 Fitting grease
11	§10----	1 O-ring
12	§10----	1 Ring outer
13	1503639	1 Piston

No.	Part No.	Description
14	1514638	1 Nut
15	1F-640	1 Pin cotter
16	§10----	1 Wear ring
17	§10----	1 Ring inner
18	§10----	1 Wear ring
19	§10----	1 O-ring
20	§10----	1 Ring back-up
21	24C-752	4 Bolt
22	945112	1 Cap
23	52501106	1 Packing assy
24	526451	1 Gland
25	628H-16	2 Lockwire
26	4C-420	4 Bolt
27	71539307	1 Rod assy

§ Not Sold Separately  
 2 Inc. 1, 3 → 9, 11 → 27  
 3 See 23  
 4 Inc. 9  
 5 Inc. 5, 6  
 6 16 gauge  
 7 Inc. 1  
 8 Inc. 5, 6, 11, 12, 15 → 20, 23  
 9 Ref. S. G. - 597A  
 10 See B





# Log Grapple Attachment

MICHIGAN

No.	Part No.	Qty.	Description
A	<sup>2</sup> 2502215	1	Log grapple assy
1	517089	1	Adapter union
2	<sup>5</sup> 586420	1	Valve level
3	<sup>2</sup> 1504470	1	Cylinder bucket
4	1520775	1	Rod
5	1530561	1	Link
6	<sup>5</sup> 586215	1	Link assy
7	18D-08	1	Nut
8	584715	1	Shaft
9	24C-656	1	Bolt
10	604573	1	Hose
11	616042	1	Hose
12	<sup>2</sup> 1534089	1	Cylinder assy RH
13	24C-616	2	Bolt
14	4E-06	2	Lockwasher
15	616042	1	Hose
16	<sup>4</sup> 24C-656	1	Bolt
17	24C-672	1	Bolt
18	24C-616	2	Bolt
19	25E-18	2	Washer
20	4E-06	2	Lockwasher
21	<sup>5</sup> 522906	2	Tapped block
22	10H-25	1	Fitting grease
23	24C-660	2	Bolt
24	18D-06	1	Nut
25	24C-648	2	Bolt
26	1530267	2	Pin
27	18D-06	2	Nut
28	2510387	2	Deflector

No.	Part No.	Qty.	Description
29	18D-10	2	Nut
30	1520774	1	Shaft
31	585644	2	Bushing
32	<sup>4</sup> 1520816	1	Clamp assy
33	24C-10128	2	Bolt
34	538601	2	Fork
35	514925	2	Pin
36	18D-06	2	Nut
37	<sup>7</sup> 18D-06	1	Nut
38	24C-648	2	Bolt
39	1520792	1	Carrier assy
40	1521676	2	Pin
41	18D-06	2	Nut
42	<sup>5</sup> 584277	2	Tapped block
43	604573	1	Hose
44	36F-4	4	Adapter union
45	1530727	1	Tube assy
46	24C-656	1	Bolt
47	18D-06	1	Nut
48	584715	1	Shaft
49	1534089	1	Cylinder assy LH
50	604573	1	Hose
51	1534235	2	Adapter union
52	604573	1	Hose
53	586452	2	Pin cotter
54	586199	2	Pin
55	10H-25	2	Fitting grease
56	661558	1	Hose
57	6K-08	1	Valve

<sup>2</sup>See Index

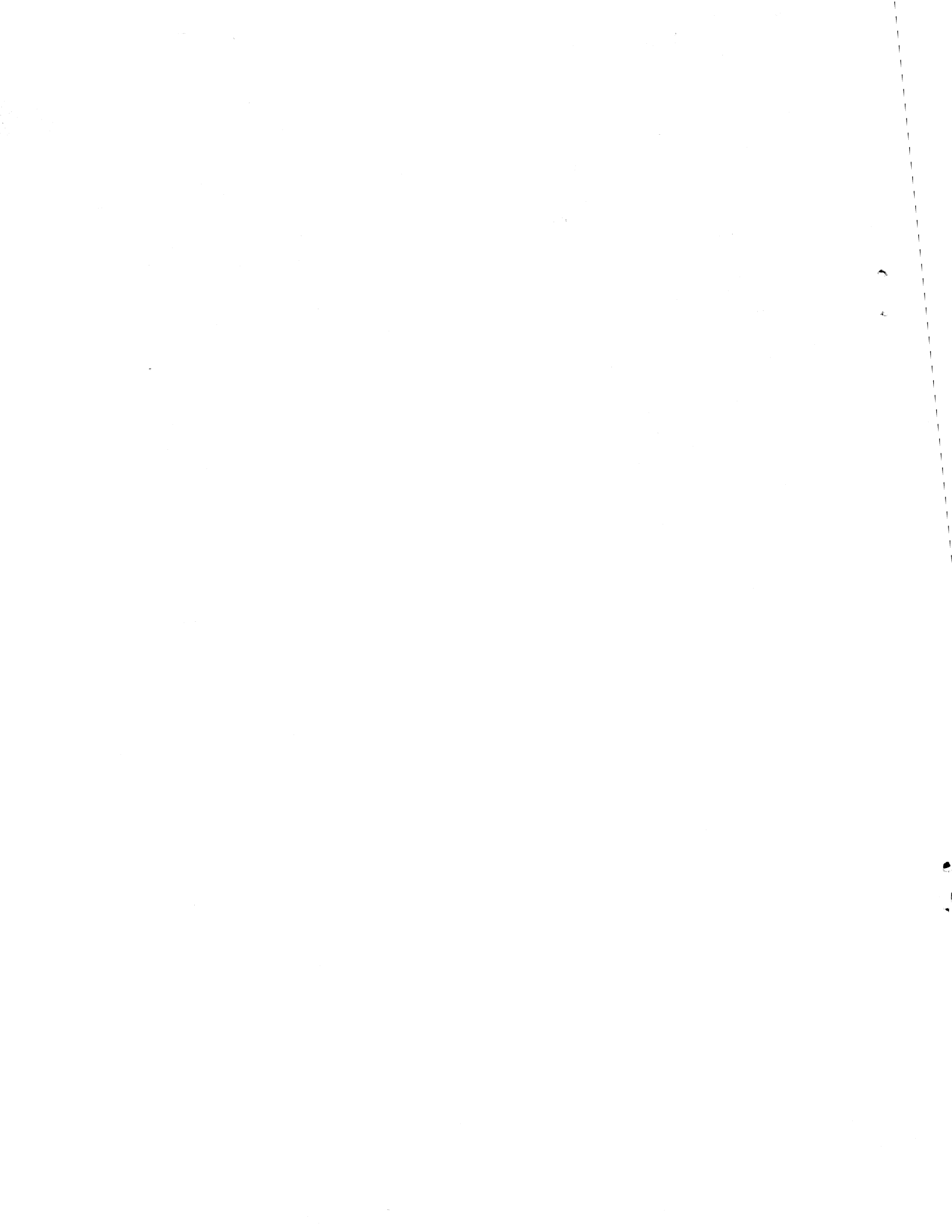
<sup>3</sup>Inc. 1, 4, 5, 7→57

<sup>4</sup>See 46

<sup>5</sup>Welded

<sup>6</sup>Inc. 31

<sup>7</sup>See 47



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