

CLARK

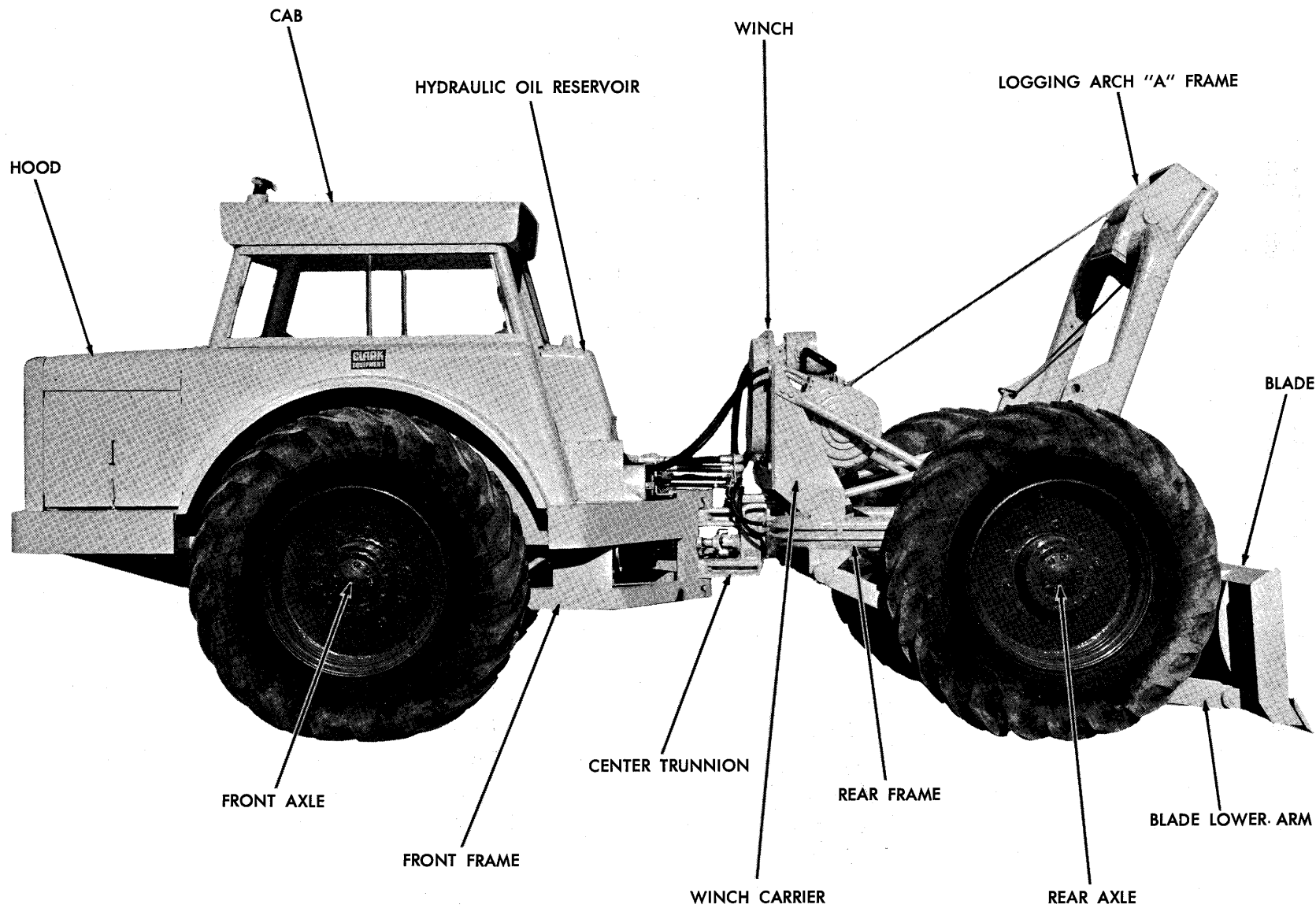
PARTS MANUAL

No. 1439

MODEL 75

TIMBER TRACTOR

**Record Your Machine
Serial Number Here**



MODEL 75 TIMBER TRACTOR

WHEN ORDERING REPAIR PARTS

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

Order through your nearest Clark Distributor, for THE MICHIGAN LINE.
Always give serial number of machine.

Furnish: Quantity, Part Number and Description.

WHEN PARTS ARE RECEIVED

Check immediately for quantity, correctness and condition.

Advise your Michigan Distributor of any error.

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

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ENGINE AND ACCESSORIES - GAS POWERED

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
<p>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. This data will be found on nameplate attached to the side of the engine.</p>				10	-----	*HOURMETER.....	1
				11	515589	BRACKET, Hourmeter & Regulator.....	1
				12	2C-616	BOLT, Hourmeter Bracket.....	2
				13	2D-06	NUT, Hourmeter Bracket.....	2
				14	4E-06	LKWSHR, Hourmeter Bracket...	2
				15	685514	DAMPENER, Hourmeter Vibration.....	1
				16	3G-604	SCREW, Hourmeter.....	3
				17	13E-6	LKWSHR, Hourmeter.....	3
				18	2C-412	BOLT, Regulator to Bracket..	3
				19	2D-04	NUT, Regulator to Bracket...	3
				20	4E-04	LKWSHR, Regulator to Bracket	3
				21	-----	*COIL.....	1
				22	551530	SWITCH, Starter Solenoid....	1
				23		<u>BRACKET, Solenoid Switch</u>	
				23A	516789	For serial 5125 thru 5128...	1
				23B	521978	For serial 5123, 5129 & thereafter.....	1
				24	2C-414	BOLT, Switch to Bracket.....	2
				25	2D-04	NUT, Switch to Bracket.....	2
				26	4E-04	LKWSHR, Switch to Bracket...	2
				27	2C-616	BOLT, Bracket to Frame.....	2
				28	2D-06	NUT, Bracket to Frame.....	2
				29	4E-06	LKWSHR, Bracket to Frame....	2
				*These parts are furnished with engine			
<p>ENGINE SUPPORT PARTS</p>							
1		<u>BRACKET, Engine Support</u>					
1A	513268	For serial 5125 thru 5128...	2				
1B	521963	For serial 5123, 5129 & thereafter.....	2				
2		<u>PAD, Engine Support</u>					
2A	514319	For serial 5125 thru 5128...	2				
2B	521967	For serial 5123, 5129 & thereafter.....	2				
3	1C-824	BOLT, Bracket to Engine.....	8				
4	4E-08	LKWSHR, Bracket to Engine...	8				
5	2C-844	BOLT, Bracket to Frame.....	4				
6	2D-08	NUT, Bracket to Frame.....	4				
7	4E-08	LKWSHR, Bracket to Frame....	4				
<p>ENGINE ACCESSORIES</p>							
8	551323	SENDER UNIT, Engine Temperature.....	1				
9	-----	*VOLTAGE REGULATOR.....	1				

ENGINE AND ACCESSORIES - DIESEL POWERED

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
<p>All orders for engine Assembly or components thereof should be placed with the nearest Cummins Engine Distributor. Always give model, specifications and serial number of the engine. This data will be found on the nameplate attached to the side of the engine.</p>				22	4E-08	LKWSHR, Bracket to Frame.....	4
<p>ENGINE SUPPORT PARTS</p>							
<p>For serial 5124, 5133, 5137 & 5138</p>							
1	525961	BRACKET, Engine Mounting-L.H.....	1	ENGINE ACCESSORIES			
2	1C-838	BOLT, Bracket to Engine.....	4	23	551323	SENDER UNIT, Engine Temperature.....	1
3	4E-08	LKWSHR, Bracket to Engine....	4	24	636260	PRESSURE SWITCH, Hourmeter..	1
4	2C-824	BOLT, Bracket to Frame.....	2	25	-----	*VOLTAGE REGULATOR.....	1
5	4E-08	LKWSHR, Bracket to Frame....	2	26	524600	HOURMETER.....	1
6	525962	BRACKET, Engine Mounting - R.H.....	1	27	515589	BRACKET, Hourmeter & Regulator Mounting.....	1
7	1C-828	BOLT, Bracket to Engine.....	4	28	2C-616	BOLT, Bracket to Frame.....	2
8	4E-08	LKWSHR, Bracket to Engine...	4	29	2D-06	NUT, Bracket to Frame.....	2
9	2C-828	BOLT, Bracket to Frame.....	2	30	4E-06	LKWSHR, Bracket to Frame....	2
10	4E-08	LKWSHR, Bracket to Frame....	2	31	685514	DAMPENER, Hourmeter Vibration.....	1
11	-----	*MOUNT, Engine - Front.....	1	32	3G-604	SCREW, Hourmeter.....	3
12	2C-1048	BOLT, Front Engine Mount....	2	33	12E-6	LKWSHR, Hourmeter.....	3
13	2D-10	NUT, Front Engine Mount....	2	34	2C-412	BOLT, Regulator to Bracket..	3
14	4E-10	LKWSHR, Front Engine Mount..	2	35	2D-04	NUT, Regulator to Bracket...	3
<p>ENGINE SUPPORT PARTS</p>							
<p>For serial 5143 & thereafter</p>							
15	527150	BRACKET, Engine Mounting-LH.	1	36	4E-04	LKWSHR, Regulator to Bracket	3
16	527151	BRACKET, Engine Mounting-RH.	1	37	-----	*SWITCH, Starter Magnetic...	1
17	1C-828	BOLT, Bracket to Engine.....	8	38	526658	BRACKET, Magnet Switch Mounting.....	1
18	4E-08	LKWSHR, Bracket to Engine...	8	39	2C-410	BOLT, Switch to Bracket.....	4
19	2C-824	BOLT, L.H. Bracket to Frame.	2	40	2D-04	NUT, Switch to Bracket.....	4
20	2C-828	BOLT, R.H. Bracket to Frame.	2	41	4E-04	LKWSHR, Switch to Bracket...	4
21	2D-08	NUT, Bracket to Frame.....	2	42	-----	*FILTER, Lube Oil.....	1
				43	526400	BRACKET, Lube Filter Mounting.....	1
				44	1C-716	BOLT, Filter to Bracket.....	4
				45	1D-07	NUT, Filter to Bracket.....	4
				46	4E-07	LKWSHR, Filter to Bracket...	4
				47	2C-620	BOLT, Bracket to Frame.....	2
				48	2D-06	NUT, Bracket to Frame.....	2
				49	4E-06	LKWSHR, Bracket to Frame....	2
				50	526404	HOSE, Engine to Lube Filter.	2
<p>*NOTE: These Parts are furnished with Engine</p>							

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

ACCELERATOR PEDAL AND LINKAGE - DIESEL

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	623829	PEDAL, Accelerator.....	2	20	515387	ROD, Bell Crank to Bell Crank.....	1
2	623760	BRACKET, Accelerator Pedal Pivot.....	2	21	2J-4200	CLEVIS, Rod End.....	1
3	623762	PIN, Pedal to Bracket.....	2	22	8D-04	NUT, Clevis Jam.....	1
4	1F-316	COTTER, Pedal to Bracket Pin	2	23	4F-04051	PIN, Rod to Bell Crank.....	2
5	2C-410	BOLT, Bracket to Floorboard..	4	24	1F-207	COTTER, Rod to Bell Crank...	2
6	2D-04	NUT, Bracket to Floorboard..	4	25	531812	GUIDE, Rod.....	1
7	4E-04	LKWSHR, Bracket to Floorboard.....	4	26	2C-624	BOLT, Guide Attaching.....	1
				27	2D-06	NUT, Guide Attaching.....	1
8	553285	STOP, Front Pedal.....	1	28	4E-06	LKWSHR, Guide Attaching.....	1
9	2C-424	BOLT, Stop to Floorboard....	1	29	551090	SPRING, Pedal Return.....	1
10	553286	ROD, Pedal to Bell Crank....	2	30	526529	ROD, Pedal Bell Crank to Engine Bell Crank.....	1
11	2J-4200	CLEVIS, Rod to Bell Crank...	2	31	2J-4200	CLEVIS, Rod End.....	1
12	8D-04	NUT, Clevis Jam.....	2	32	8D-04	NUT, Clevis Jam.....	1
13	4F-04051	PIN, Rod to Pedal.....	2	33	4F-04051	PIN, Rod to Bell Crank.....	2
14	1F-207	COTTER, Rod to Pedal Pin....	2	34	1F-207	COTTER, Rod to Bell Crank Pin.....	2
15	515381	BELL CRANK, Front.....	1	35	526531	BELL CRANK, Engine.....	1
16	550616	BELL CRANK, Rear.....	1	36	1C-814	BOLT, Bell Crank to Engine..	2
17	2C-410	BOLT, Bell Crank to Floorboard.....	4	37	4E-08	LKWSHR, Bell Crank to Engine	2
18	2D-04	NUT, Bell Crank to Floorboard.....	4	38	528542	ROD, Bell Crank to Injection Pump.....	1
19	4E-04	LKWSHR, Bell Crank to Floorboard.....	4	39	641077	BALL JOINT, Rod to Pump....	1
				40	8D-05	NUT, Ball Joint Jam.....	1
				41	2D-05	NUT, Ball Joint to Pump....	1
				42	4E-05	LKWSHR, Ball Joint to Pump..	1

ACCELERATOR PEDAL AND LINKAGE - GAS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	623829	PEDAL, Accelerator.....	2	20	515387	ROD, Bell Crank to Bell Crank.....	1
2	623760	BRACKET, Pedal Pivot.....	2	21	2J-4200	CLEVIS, Rod End.....	1
3	623762	PIN, Pedal to Bracket.....	2	22	8D-04	NUT, Clevis Jam.....	1
4	1F-316	COTTER, Pedal to Bracket Pin	2	23	4F-04051	PIN, Rod to Bell Crank.....	2
5	2C-410	BOLT, Bracket to Floorboard..	4	24	1F-207	COTTER, Rod to Bell Crank Pin.....	2
6	2D-04	NUT, Bracket to Floorboard..	4	25	525867	GUIDE, Rod.....	1
7	4E-04	LKWSHR, Bracket to Floorboard.....	4	26	2C-616	BOLT, Guide Attaching.....	1
				27	2D-06	NUT, Guide Attaching.....	1
8	553285	STOP, Front Pedal.....	1	28	551090	SPRING, Pedal Return.....	1
9	2C-424	BOLT, Stop to Floorboard....	1	29	515390	ROD, Bell Crank to Carburetor.....	1
10	553286	ROD, Pedal to Bell Crank....	2	30	2J-4200	CLEVIS, Rod End.....	1
11	2J-4200	CLEVIS, Rod to Bell Crank...	2	31	8D-04	NUT, Clevis Jam.....	1
12	8D-04	NUT, Clevis Jam.....	2	32	4F-04051	PIN, Rod to Bell Crank & Carburetor.....	1
13	4F-04051	PIN, Rod to Pedal.....	2	33	1F-207	COTTER, Rod to Bell Crank & Carb. Pin.....	1
14	1F-207	COTTER, Rod to Pedal Pin....	2	34	7H-16	WIRE, Choke.....	1
15	515381	BELL CRANK, Front.....	1	35	8D-06	NUT, Jam.....	1
16	550616	BELL CRANK, Rear.....	1	36	4E-06	LKWSHR.....	1
17	2C-410	BOLT, Bell Crank Attaching..	3				
18	2D-04	NUT, Bell Crank Attaching...	4				
19	4E-04	LKWSHR, Bell Crank Attaching	4				

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

RADIATOR AND CONNECTIONS - DIESEL

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	525619	RADIATOR.....	1	6	941440	HOSE, Upper Radiator.....	1
2	601561	PAD, Radiator Support.....	2	7	875248	CLAMP, Upper Radiator Hose..	2
3	2C-828	BOLT, Radiator Attaching....	2	8	525951	HOSE, Lower Radiator.....	1
4	2D-08	NUT, Radiator Attaching.....	2	9	875248	CLAMP, Lower Radiator Hose..	2
5	4E-08	LKWSHR, Radiator Attaching..	2	10	73F-2	DRAIN COCK, Radiator.....	1

RADIATOR AND CONNECTIONS - GAS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	513235	RADIATOR.....	1	6	514575	HOSE, Upper Radiator.....	1
2	518233	PAD, Radiator Support.....	2	7	875248	CLAMP, Upper Hose.....	1
3	2C-828	BOLT, Radiator Attaching....	2	8	514576	HOSE, Lower Radiator.....	1
4	2D-08	NUT, Radiator Attaching.....	2	9	4H-34	CLAMP, Lower Hose.....	1
5	4E-08	LKWSHR, Radiator Attaching..	2	10	73F-2	DRAIN COCK, Radiator.....	1

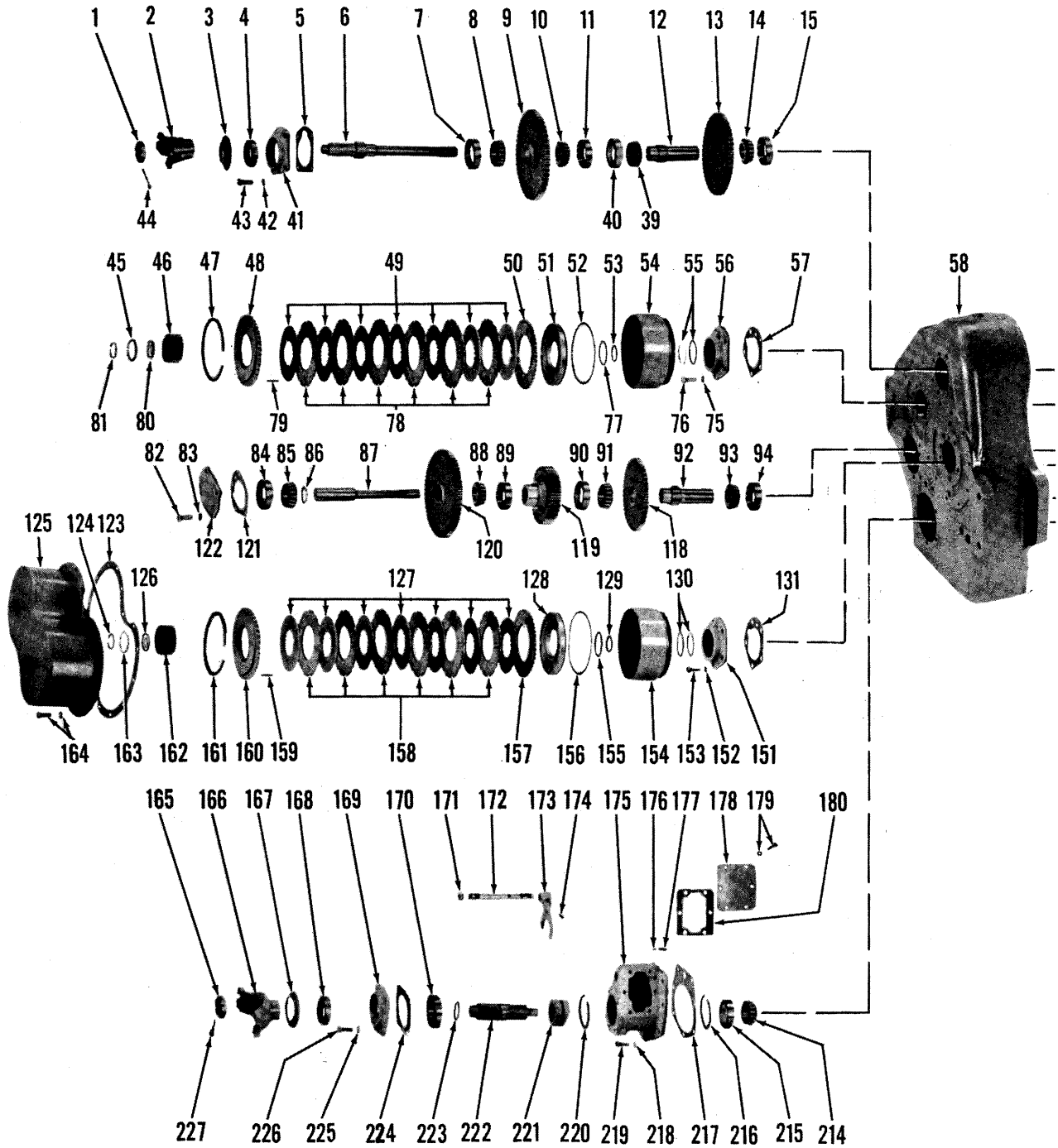
AIR CLEANER AND TAILPIPE - DIESEL

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	366739	AIR CLEANER.....	1	14	526039	GASKET, Adapter.....	1
2	420946	CAP, Air Cleaner.....	1	15	2C-832	BOLT, Adapter to Manifold... 4	4
3	420945	STRAP, Air Cleaner Mounting..	2	16	2D-08	NUT, Adapter to Manifold....	4
4	2C-616	BOLT, Air Cleaner Attaching..	4	17	4E-08	LKWSHR, Adapter to Manifold..	4
5	2D-06	NUT, Air Cleaner Attaching..	4	18	526040	PIPE, Exhaust.....	1
6	4E-06	LKWSHR, Air Cleaner Attaching.....	4	19	507069	CLAMP, Exhaust Pipe to Adapter.....	1
7	526031	TUBE, Air Intake.....	1	20	526041	PIPE, Tail.....	1
8	526035	GASKET, Air Intake Tube.....	1	21	526042	CLAMP, Tail Pipe to Exhaust Pipe.....	1
9	1C-660	BOLT, Air Intake Tube.....	4	22	13G-620	SETSCREW, Tailpipe.....	1
10	4E-06	LKWSHR, Air Intake Tube.....	4	23	7D-06	NUT, Setscrew.....	1
11	526030	HOSE, Tube to Air Cleaner... 1	1	24	511493	CAP, Tail Pipe Rain.....	1
12	517200	CLAMP, Air Cleaner Hose.....	2				
13	526036	ADAPTER, Exhaust Manifold... 1	1				

AIR CLEANER AND TAILPIPE - GAS

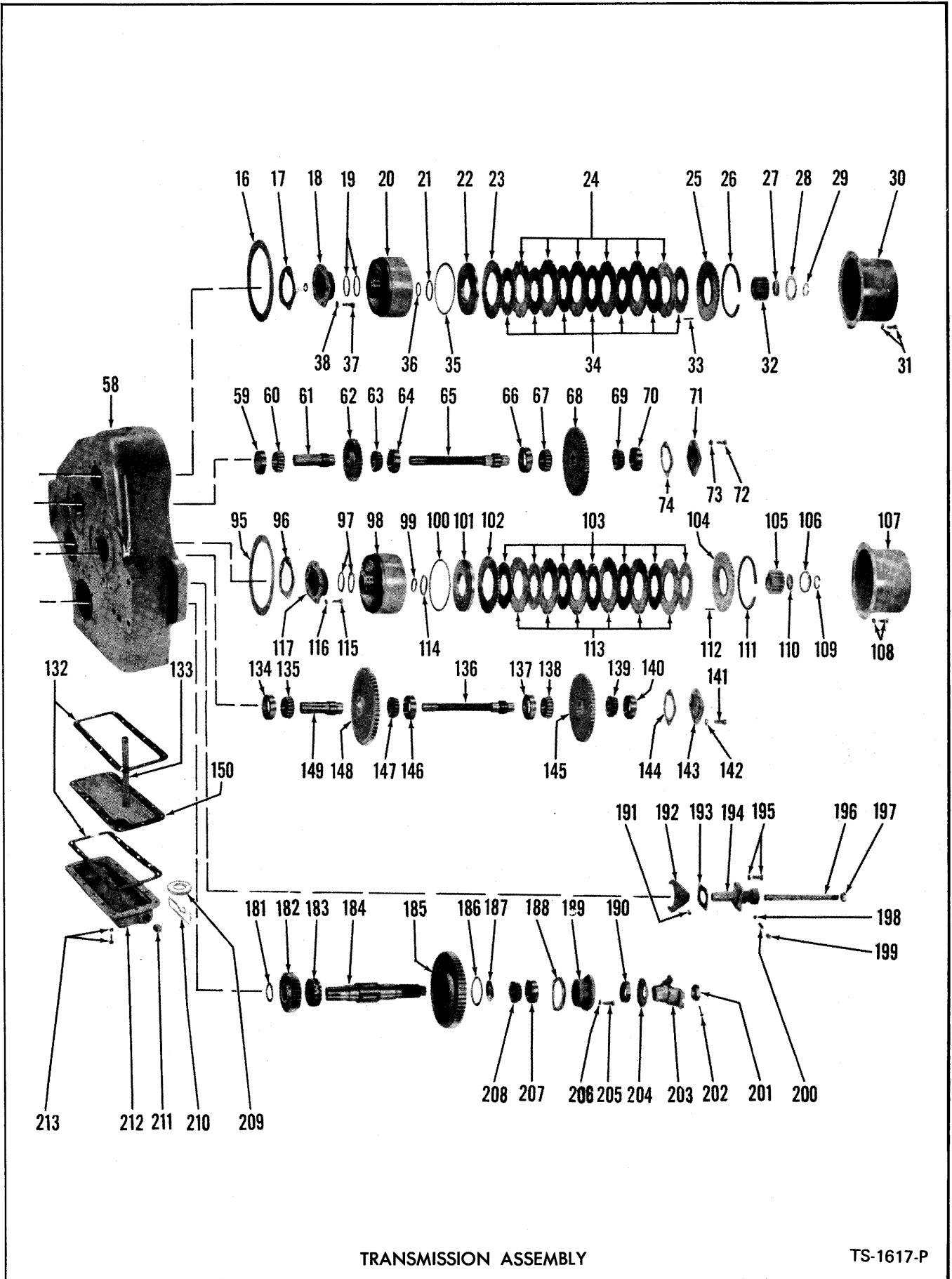
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	518239	AIR CLEANER.....	1	14	875248	CLAMP, Tube & Air Cleaner... 3	3
2	551659	CAP, Air Cleaner.....	1	15	4H-56	CLAMP, Carburetor.....	1
3	551660	STRAP, Air Cleaner.....	2	16	514564	ADAPTER, Manifold.....	1
4	517615	BRACKET, Air Cleaner.....	1	17	514548	ELBOW, Exhaust.....	1
5	2C-618	BOLT, Bracket Attaching....	2	18	514567	PIPE, Exhaust.....	1
6	2D-06	NUT, Bracket Attaching.....	2	19	711215	CLAMP, Exhaust Elbow & Pipe..	1
7	4E-06	LKWSHR, Bracket Attaching... 2	2	20	514568	CLAMP, Exhaust.....	1
8	2C-512	BOLT, Air Cleaner to Bracket 4	4	21	2C-612	BOLT, Exhaust Clamp.....	1
9	2D-05	NUT, Air Cleaner to Bracket.. 4	4	22	2D-06	NUT, Exhaust Clamp.....	1
10	4E-05	LKWSHR, Air Cleaner to Bracket.....	4	23	4E-06	LKWSHR, Exhaust Clamp.....	1
11	551663	HOSE, Air Cleaner to Tube... 1	1	24	514571	PIPE, Tail.....	1
12	518238	TUBE, Air Cleaner.....	1	25	510477	CAP, Tail Pipe Rain.....	1
13	514563	ELBOW, Tube to Carburetor... 1	1	26	13G-620	SET SCREW, Rain Cap.....	1
				27	7D-06	NUT, Rain Cap.....	1

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



TRANSMISSION ASSEMBLY

TS-1617-P



TRANSMISSION ASSEMBLY

TS-1617-P

TRANSMISSION ASSEMBLY

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	280551	TRANSMISSION (R-300FS-2)		42	4E-07	LKWSHR, Bearing Cap.....	4
		Inc. 1 thru 228.....	1	43	1C-718	BOLT, Bearing Cap.....	4
1	201951	NUT, Input Flange.....	1	44	1F-424	COTTER, Input Flange Nut.....	1
2	209343	FLANGE ASSY, Input (Inc 3)..	1	45	224047	RING, Hub Washer Retaining....	1
3	100949	DEFLECTOR, Input Flange....	1	46	220398	HUB, Clutch Disc.....	1
4	206864	SEAL, Input Shaft Oil.....	1	47	223942	RING, End Plate Retaining....	1
5	209340	#SHIM, Bearing Cap-.004"....	AR	48	208760	PLATE, Clutch Disc End.....	1
5A	209341	#SHIM, Bearing Cap-.007"....	AR	49	216677	DISC, Clutch Inner.....	7
5B	209342	#SHIM, Bearing Cap-.010"....	AR	50	221998	DISC, Clutch Outer.....	1
6	220390	SHAFT, Input.....	1	51	221996	PISTON, Clutch.....	1
7	675544	CUP, Input Shaft Bearing....	1	52	208776	SEAL, Clutch Piston Outer....	1
8	675547	CONE, Input Shaft Bearing... 1		53	224106	RING, Clutch Disc Hub Retain- ing.....	1
9	209377	GEAR, Input Shaft Reverse (45T).....	1	54	222409	DRUM ASSY, Clutch (Inc. 54A, 54B).....	1
10	675547	CONE, Input Shaft Bearing... 1		54A	222407	#HOUSING, Bleed Valve Ball....	1
11	675544	CUP, Input Shaft Bearing.... 1		54B	10J-06	#BALL, Bleed Valve.....	1
11A	223881	#RING, Bearing Locating..... 1		54C	-----	#HUB, Clutch Drum (See 54A)..	1
12	220389	SHAFT, Forward Gear Quill... 1		54D	100284	#BOLT, Drum to Hub.....	8
13	209369	GEAR, Input Shaft Forward (43T).....	1	54E	209389	#SPRING, Relief.....	1
14	731321	CONE, Input Shaft Bearing... 1		54F	209937	#WASHER, Relief Spring.....	1
15	731319	CUP, Input Shaft Bearing.... 1		54G	220678	#GUARD, Relief Spring.....	1
16	221401	GASKET, Clutch Cover.....	1	54H	619023	#WASHER, Clutch Drum Balance..	4
17	220471	SHIM, Clutch Bearing Cap - .004".....	AR	54J	209932	#PIN, Relief.....	1
17A	220472	SHIM, Clutch Bearing Cap - .007".....	AR	55	209387	RING, Clutch Drum Sealing....	2
17B	220473	SHIM, Clutch Bearing Cap - .010".....	AR	56	220469	CAP, Clutch Bearing.....	1
17C	221209	SHIM, Clutch Bearing Cap - .020".....	AR	57	220471	SHIM, Clutch Bearing Cap-.004" AR	
18	220469	CAP, Clutch Bearing.....	1	57A	220472	SHIM, Clutch Bearing Cap-.007" AR	
19	209387	RING, Clutch Drum Sealing.... 2		57B	220473	SHIM, Clutch Bearing Cap-.010" AR	
20	222409	DRUM ASSY, Clutch (Inc. 20A, 20B).....	1	57C	221209	SHIM, Clutch Bearing Cap-.020" AR	
20A	10J-06	#BALL, Bleed Valve.....	1	58	221436	CASE, Transmission.....	1
20B	222407	#HOUSING, Bleed Valve Ball.. 1		59	731319	CUP, Quill Shaft Bearing.....	1
20C	-----	#HUB, Clutch Drum (See 20).. 1		60	731321	CONE, Quill Shaft Bearing..... 1	
20D	100284	#BOLT, Drum to Hub.....	8	61	220389	SHAFT, 1st & 3rd Quill.....	1
20E	209389	#SPRING, Relief.....	1	62	209374	GEAR, 1st & 3rd Drive (29T)... 1	
20F	209937	#WASHER, Relief Spring.....	1	63	675548	CONE, Quill Shaft Bearing..... 1	
20G	220678	#GUARD, Relief Spring.....	1	64	675544	CUP, Quill Shaft Bearing..... 1	
20H	619023	#WASHER, Clutch Drum Balance 4		64A	223881	#RING, Bearing Locating..... 1	
20J	209932	#PIN, Relief.....	1	65	220388	SHAFT, 1st & 3rd Drive.....	1
21	234038	SEAL, Clutch Piston Inner... 1		66	675544	CUP, Drive Shaft Bearing..... 1	
22	221996	PISTON, Clutch.....	1	66A	223881	#RING, Bearing Locating..... 1	
23	221998	DISC, Clutch Outer.....	1	67	675547	CONE, Drive Shaft Bearing.... 1	
24	208773	DISC, Clutch Outer.....	6	68	209375	GEAR, 1st & 3rd Drop (44T).... 1	
25	208760	PLATE, Clutch Disc End.....	1	69	675547	CONE, Drive Shaft Bearing.... 1	
26	223942	RING, End Plate Retaining... 1		70	675544	CUP, Drive Shaft Bearing..... 1	
27	220468	WASHER, Clutch Disc Hub Retaining.....	1	71	209364	CAP, Drive Shaft Bearing..... 1	
28	223867	RING, Hub Washer Locating... 1		72	1C-718	BOLT, Bearing Cap.....	4
29	224047	RING, Hub Washer Retaining.. 1		73	4E-07	LKWSHR, Bearing Cap.....	4
30	220391	COVER, Clutch.....	1	74	209365	SHIM, Bearing Cap - .004"....	AR
31	5C-614	BOLT & LKWSHR, Clutch Cover.10		74A	209366	SHIM, Bearing Cap - .007"....	AR
32	220398	HUB, Clutch Disc.....	1	74B	209367	SHIM, Bearing Cap - .010"....	AR
33	220186	SPRING, Clutch Disc Release.. 1		75	4E-07	LKWSHR, Clutch Bearing Cap.... 4	
34	216677	DISC, Clutch Inner.....	7	76	1C-718	BOLT, Clutch Bearing Cap..... 4	
35	208776	SEAL, Clutch Piston Outer... 1		77	208777	SEAL, Clutch Piston Inner.... 1	
36	224106	RING, Disc Hub Retaining.... 1		78	208773	DISC, Clutch Outer.....	6
37	1C-718	BOLT, Bearing Cap.....	4	79	220186	SPRING, Clutch Disc Release...10	
38	4E-07	LKWSHR, Bearing Cap.....	4	80	220468	WASHER, Clutch Disc Hub Retaining.....	1
39	675548	CONE, Quill Shaft Bearing... 1		81	223867	RING, Hub Washer Locating.... 1	
40	675544	CUP, Quill Shaft Bearing.... 1		82	1C-718	BOLT, Bearing Cap.....	5
40A	223881	#RING, Bearing Locating..... 1		83	4E-07	LKWSHR, Bearing Cap.....	5
41	209339	CAP, Input Shaft Bearing.... 1		84	731336	CUP, Drive Shaft Bearing..... 1	
				85	711124	CONE, Drive Shaft Bearing.... 1	
				86	224031	RING, High Gear Locating..... 1	
				87	220393	SHAFT, 2nd & 4th Drive..... 1	
				88	654875	CONE, Drive Shaft Bearing.... 1	
				89	731336	CUP, Drive Shaft Bearing.... 1	

- Not Illustrated
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WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TRANSMISSION ASSEMBLY (Cont'd)

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
89A	223951	#RING, Bearing Locating.....	1	130	209387	RING, Clutch Drum Sealing.....	2
90	675544	CUP, Quill Shaft Bearing....	1	131	220471	SHIM, Clutch Bearing Cap-.004"AR	
91	675548	CONE, Quill Shaft Bearing... 1		131A	220472	SHIM, Clutch Bearing Cap-.007"AR	
92	220389	SHAFT, 2nd & 4th Quill..... 1		131B	220473	SHIM, Clutch Bearing Cap-.010"AR	
93	731321	CONE, Quill Shaft Bearing... 1		131C	221209	SHIM, Clutch Bearing Cap-.020"AR	
94	731319	CUP, Quill Shaft Bearing.... 1		132	209353	GASKET, Oil Pan.....	2
95	221401	GASKET, Clutch Cover.....	1	133	220673	PIPE, Oil Suction.....	1
96	220471	SHIM, Clutch Bearing Cap - .004".....AR		134	731319	CUP, Quill Shaft Bearing.....	1
96A	220472	SHIM, Clutch Bearing Cap - .007".....AR		135	731321	CONE, Quill Shaft Bearing.... 1	
96B	220473	SHIM, Clutch Bearing Cap - .010".....AR		136	220388	SHAFT, Reverse Drive.....	1
96C	221209	SHIM, Clutch Bearing Cap - .020".....AR		137	675544	CUP, Quill Shaft Bearing.....	1
97	209387	RING, Clutch Drum Sealing... 2		137A	223881	RING, Bearing Locating.....AR	
98	222409	DRUM ASSY, Clutch (Inc. 98A, 98B).....	1	138	675548	CONE, Quill Shaft Bearing.... 1	
98A	222407	#HOUSING, Bleed Valve Ball... 1		139	675547	CONE, Drive Shaft Bearing.... 1	
98B	10J-06	#BALL, Bleed Valve.....	1	140	675544	CUP, Drive Shaft Bearing..... 1	
98C	-----	##HUB, Clutch Drum (See 98).. 1		141	1C-718	BOLT, Bearing Cap.....	4
98D	100284	#BOLT, Drum to Hub.....	8	142	4E-07	LKWSHR, Bearing Cap.....	4
98E	209389	#SPRING, Relief.....	1	143	209364	CAP, Reverse Shaft Bearing.... 1	
98F	209937	#WASHER, Relief Spring..... 1		144	209365	SHIM, Bearing Cap - .004".....AR	
98G	220678	#GUARD, Relief Spring..... 1		144A	209366	SHIM, Bearing Cap - .007".....AR	
98H	619023	#WASHER, Clutch Drum Balance 4		144B	209367	SHIM, Bearing Cap - .010".....AR	
98J	209932	#PIN, Relief.....	1	145	209372	GEAR, Reverse Idler (52T)..... 1	
99	224106	RING, Disc Hub Retaining.... 1		146	675544	CUP, Drive Shaft Bearing..... 1	
100	208776	SEAL, Clutch Piston Outer... 1		146A	223881	RING, Bearing Locating..... 1	
101	221996	PISTON, Clutch.....	1	147	675547	CONE, Drive Shaft Bearing.... 1	
102	221998	DISC, Clutch Outer.....	1	148	209371	GEAR, Reverse Shaft Drive.... 1	
103	216677	DISC, Clutch Inner.....	7	149	220389	SHAFT, Drive Gear Quill..... 1	
104	208760	PLATE, Clutch Disc End..... 1		150	220669	SCREEN, Oil.....	1
105	220398	HUB, Clutch Disc.....	1	150A	525293	#MAGNET, Oil Screen.....	1
106	223867	RING, Hub Washer Locating... 1		150B	223780	#SPRING, Magnet Retaining.... 1	
107	220391	COVER, Clutch.....	1	151	220469	CAP, Clutch Bearing.....	1
108	5C-614	BOLT & LKWSHR, Clutch Cover.. 10		152	4E-07	LKWSHR, Bearing Cap.....	4
109	224047	RING, Hub Washer Retaining.. 1		153	1C-718	BOLT, Bearing Cap.....	4
110	220468	WASHER, Clutch Disc Hub Retaining..... 1		154	222409	DRUM ASSY, Clutch (Inc. 154A, 154B).....	1
111	223942	RING, End Plate Retaining... 1		154A	222407	#HOUSING, Bleed Valve.....	1
112	220186	SPRING, Clutch Disc Release.. 10		154B	10J-06	#BALL, Bleed Valve.....	1
113	208773	DISC, Clutch Outer.....	6	154C	-----	##HUB, Clutch Drum (See 154).. 1	
114	234038	SEAL, Clutch Piston Inner... 1		154D	100284	#BOLT, Drum to Hub.....	1
115	1C-718	BOLT, Clutch Bearing Cap... 4		154E	209389	#SPRING, Relief.....	1
116	4E-07	LKWSHR, Clutch Bearing Cap.. 4		154F	209937	#WASHER, Relief Spring..... 1	
117	220469	CAP, Clutch Bearing.....	1	154G	220678	#GUARD, Relief Spring..... 1	
118	209369	GEAR, 2nd & 4th Drive (43T).. 1		154H	619023	#WASHER, Clutch Drum Balance.. 1	
119	220395	GEAR, Drive Shaft Low..... 1		154J	209932	#PIN, Relief.....	1
120	220394	GEAR, Drive Shaft High (57T) 1		155	208777	SEAL, Clutch Piston Inner.... 1	
121	220513	SHIM, Bearing Cap - .004".....AR		156	208776	SEAL, Clutch Piston Outer.... 1	
121A	220514	SHIM, Bearing Cap - .007".....AR		157	221998	DISC, Clutch Outer.....	1
121B	220515	SHIM, Bearing Cap - .010".....AR		158	208773	DISC, Clutch Outer.....	6
122	220508	CAP, Drive Shaft Bearing.... 1		159	220186	SPRING, Clutch Disc Release... 10	
123	209370	GASKET, Clutch Cover.....	1	160	208760	PLATE, Clutch Disc End..... 1	
124	224047	RING, Hub Washer Retaining.. 1		161	223942	RING, End Plate Retaining.... 1	
125	220386	COVER, Clutch.....	1	162	220398	HUB, Clutch Disc.....	1
126	220468	WASHER, Clutch Disc Hub Retaining..... 1		163	223867	RING, Hub Washer Locating.... 1	
127	216677	DISC, Clutch Inner.....	7	164	5C-614	BOLT & LKWSHR, Clutch Cover... 16	
128	221996	PISTON, Clutch.....	1	165	205928	NUT, Output Flange.....	1
129	224106	RING, Disc Hub Retaining.... 1		166	209414	FLANGE ASSY, Output (Inc. 167) 1	
				167	100949	DEFLECTOR, Output Flange.... 1	
				168	206864	SEAL, Bearing Cap Oil..... 1	
				169	221444	CAP, Output Shaft Bearing-Front..... 1	
				170	872165	BEARING, Output Shaft..... 1	
				171	209435	SEAL, Shift Shaft Oil..... 1	

- Not Illustrated
 AR - As Required
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WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TRANSMISSION ASSEMBLY (Cont'd)

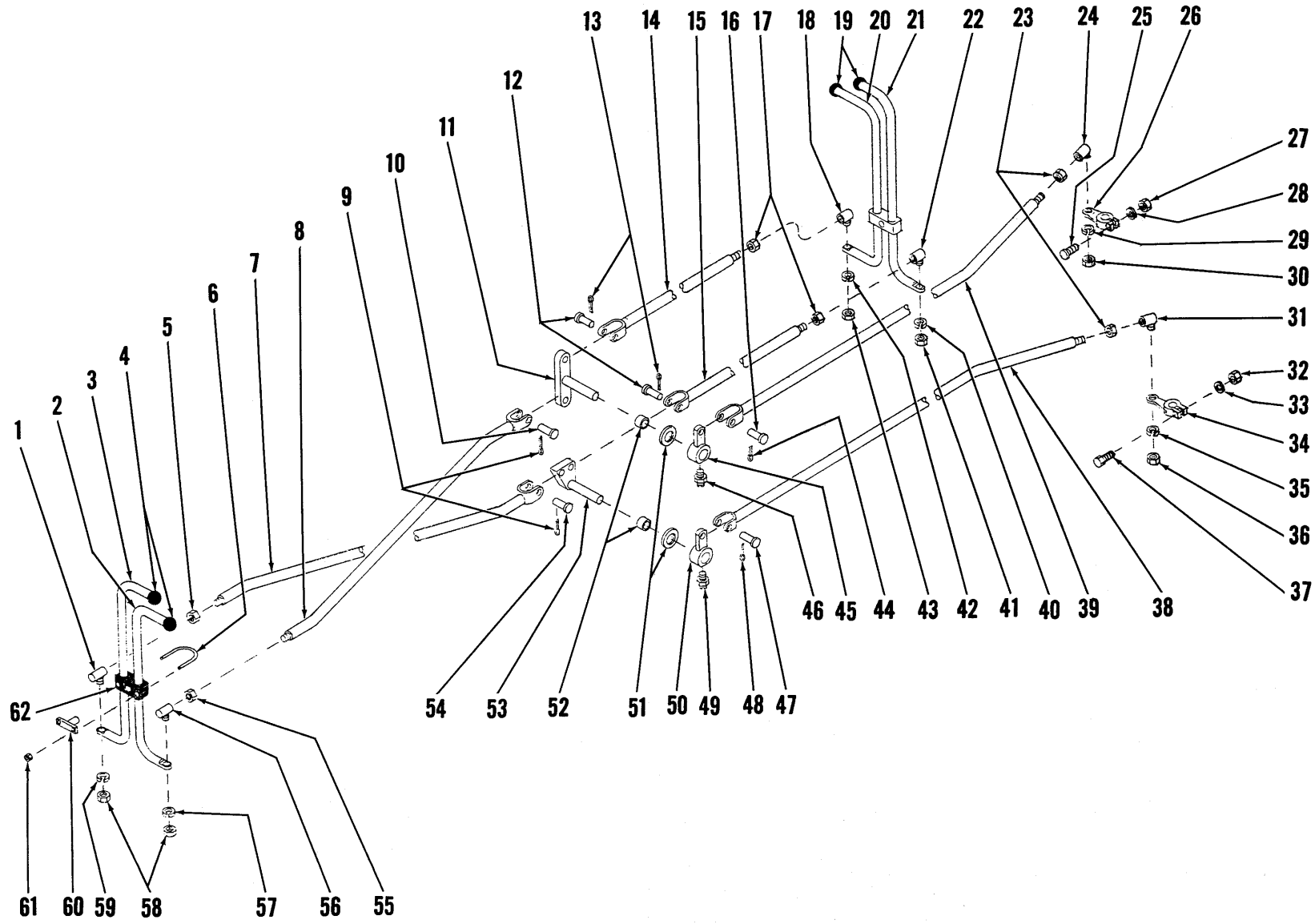
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
172	209434	SHAFT, Front Output Shaft Shift.....	1	202	1F-432	COTTER, Output Shaft Flange Nut.....	1
173	209433	FORK, Front Output Shaft Shift.....	1	203	209414	FLANGE ASSY, Output (Inc 204)	1
174	201566	SCREW, Shift Fork Lock.....	1	204	100949	DEFLECTOR, Output Shaft Flange.....	1
175	221442	HOUSING, Front Output Shaft..	1	205	1C-718	BOLT, Rear Bearing Cap.....	7
176	10J-12	BALL, Shift Fork Mesh Lock..	1	206	4E-07	LKWSHR, Rear Bearing Cap....	7
177	201413	SPRING, Shift Fork Mesh Lock	1	207	675544	CUP, Output Shaft Bearing... 1	
178	209431	PLATE, Front Housing Cover..	1	208	675548	CONE, Output Shaft Bearing.. 1	
179	5C-612	BOLT & LKWSHR, Cover Plate..	6	209	525293	MAGNET, Oil Screen.....	1
180	209432	GASKET, Cover Plate.....	1	210	223780	SPRING, Magnet Retaining.... 1	
181	209407	WASHER, Front Output Shaft Bearing.....	1	211	201120	PLUG, Magnet Drain.....	1
182	209396	GEAR ASSY, Output Shaft High (Inc. 182A).....	1	212	215644	PAN, Oil.....	1
182A	209398	#BUSHING, High Gear.....	1	213	5C-616	BOLT & LKWSHR, Oil Pan.....	14
183	209409	HUB, High & Low Shift.....	1	214	675548	CONE, Output Shaft Bearing.. 1	
184	221446	SHAFT ASSY, Output (Inc. Bushing).....	1	215	675544	CUP, Output Shaft Bearing... 1	
185	800656	GEAR ASSY, Output Shaft Low (Inc. 185A, 186).....	1	216	223881	RING, Bearing Retaining.... 1	
185A	209402	#BUSHING, Low Gear.....	1	217	221443	SHIM, Output Shaft Housing.. 1	
186	209673	RING, Low Gear Oil.....	1	218	4E-07	LKWSHR, Output Shaft Housing 1	
187	209407	WASHER, Output Shaft Gear Thrust.....	1	219	1C-720	BOLT, Output Shaft Housing.. 1	
188	221437	%SHIM, Rear Bearing Cap.....	-	220	209407	WASHER, Output Shaft Gear Thrust.....	1
188A	221438	%SHIM, Rear Bearing Cap.....	-	221	209427	HUB, Front Output Shaft Shift.....	1
189	209410	CAP, Output Shaft Rear Bearing.....	1	222	221439	SHAFT, Front Output.....	1
190	206864	SEAL, Front Bearing Cap Oil..	1	223	223983	RING, Bearing Locating..... 1	
191	28H-18	SCREW, Shift Fork Lock.....	1	224	221445	GASKET, Bearing Cap.....	1
192	209403	FORK, High & Low Shift.....	1	225	4E-07	LKWSHR, Bearing Cap.....	5
193	209406	GASKET, Shift Shaft Support..	1	226	1C-718	BOLT, Bearing Cap.....	5
194	209405	SUPPORT, High & Low Shift Shaft.....	1	227	1F-432	COTTER, Output Flange Nut.... 1	
195	5C-616	BOLT & LKWSHR, Shift Shaft Support.....	4	228	102481	#SPACER, Front Output Shaft Bearing.....	1
196	209404	SHAFT, High & Low Shift.....	1	TRANSMISSION MOUNTING PARTS			
197	208871	SEAL, Shift Shaft Support... 1		229	513274	#SUPPORT, Transmission-R.H.... 1	
198	10J-12	BALL, Shift Fork Mesh Lock.. 1		230	513277	#SUPPORT, Transmission-L.H.... 1	
199	40K-04	PLUG, Shift Fork Mesh Lock.. 1		231	2C-1044	#BOLT, Support to Transmission 8	
200	201844	SPRING, Shift Fork Mesh Lock 1		232	62D-10	#NUT, Support to Transmission. 8	
201	205928	NUT, Output Shaft Flange.... 1		233	4E-10	#LKWSHR, Support to Transmission..... 8	
				234	2C-1040	#BOLT, Support to Frame..... 4	
				235	62D-10	#NUT, Support to Frame..... 8	

- Not Illustrated
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NOTES

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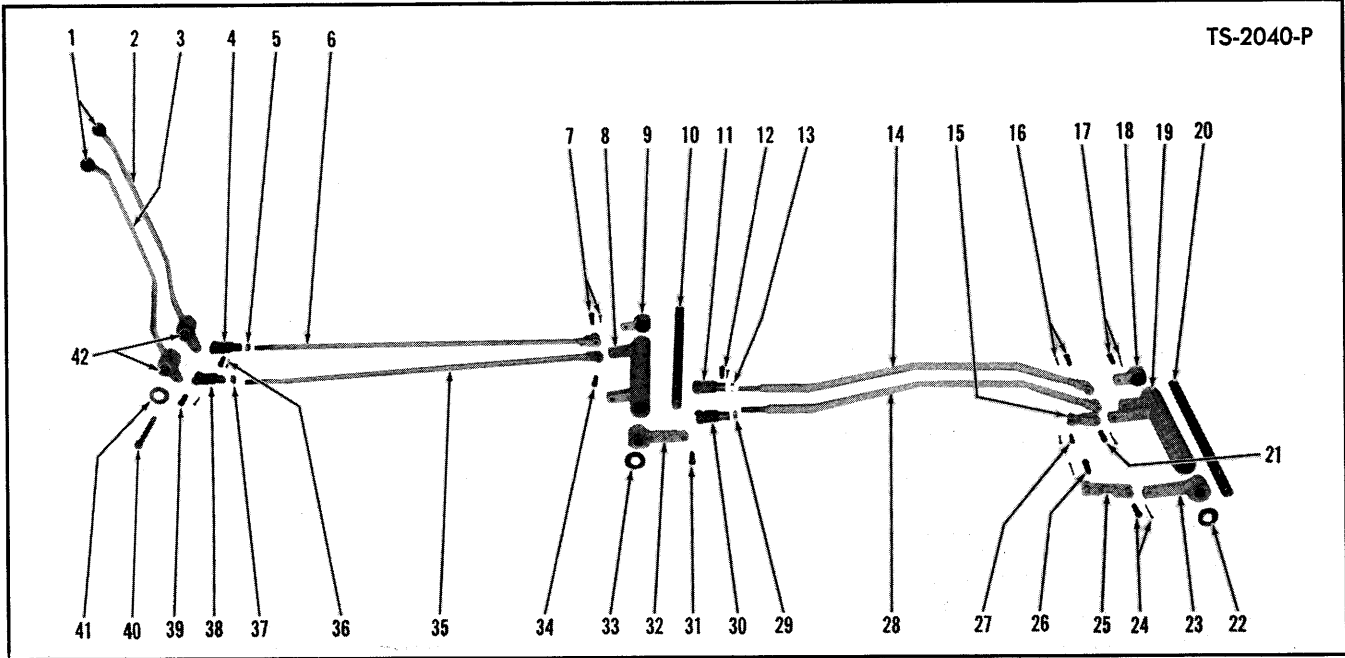


[8]

PM-1439

TRANSMISSION CONTROLS

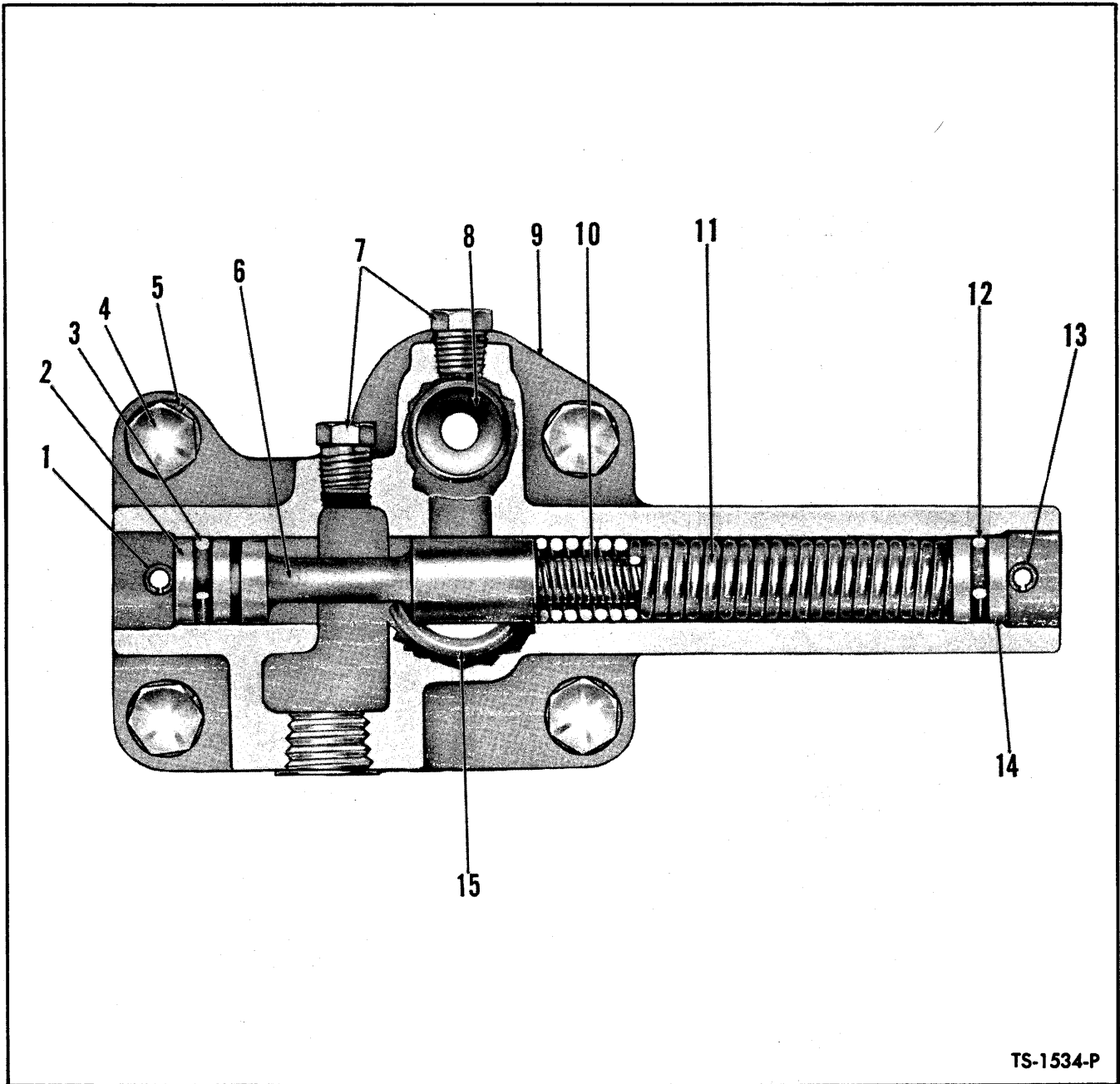
TS-2051-P



**TRANSMISSION CONTROLS
HIGH AND LOW, TWO AND FOUR WHEEL DRIVE**

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	509772	KNOB, Shift Levers.....	2	21A	1F-416	COTTER, Clevis Pin.....	1
2	517337	LEVER, 2 & 4 Wheel Drive Shift.....	1	22	664430	WASHER, Bell Crank.....	2
3	514032	LEVER, High & Low Shift.....	1	23	514042	BELL CRANK, High & Low - L.H. Rear.....	1
4	2J-8300	CLEVIS, Rod to Lever.....	1	23A	33G-816	#SET SCREW, Bell Crank.....	1
5	8D-08	NUT, Clevis Jam.....	1	23B	8D-08	#NUT, Set Screw Jam.....	1
6	514238	ROD, 2 & 4 Wheel Drive - Front.....	1	24	4F-08127	PIN, Link to Bell Crank....	1
7	4F-08127	PIN, Rod to Bell Crank.....	1	24A	1F-416	COTTER, Clevis Pin.....	1
7A	1F-416	COTTER, Clevis Pin.....	1	25	514143	LINK, High & Low.....	1
8	514114	BELL CRANK, High & Low - Front.....	1	26	4F-06106	PIN, Link to Transmission... 1	
8A	526767	#BUSHING, Bell Crank.....	4	26A	1F-314	COTTER, Clevis Pin.....	1
8B	1F-426	#COTTER, Bell Crank.....	2	27	4F-06106	PIN, Link to Transmission... 1	
9	514046	BELL CRANK, 2 & 4 Wheel Drive.....	1	27A	1F-314	COTTER, Clevis Pin.....	1
9A	33G-816	#SET SCREW, Bell Crank.....	1	28	515147	ROD, 2 & 4 Wheel Drive - Rear.....	1
9B	8D-08	#NUT, Set Screw Jam.....	1	29	8D-08	NUT, Clevis Jam.....	1
10	514047	SHAFT, Bell Crank.....	1	30	2J-8300	CLEVIS, Rod to Bell Crank... 1	
11	2J-8300	CLEVIS, Rod to Bell Crank... 1					
12	4F-08127	PIN, Clevis to Bell Crank... 1					
12A	1F-416	COTTER, Clevis to Bell Crank 1					
13	8D-08	NUT, Clevis Jam.....	1	31	4F-08127	PIN, Clevis to Bell Crank... 1	
14	515147	ROD, High & Low - Rear..... 1					
15	514144	LINK, 2 & 4 Wheel Drive..... 1					
16	4F-08127	PIN, Rod to Bell Crank..... 1					
16A	1F-416	COTTER, Clevis Pin.....	1	31A	1F-416	COTTER, Clevis Pin.....	1
17	4F-08127	PIN, Rod to Bell Crank..... 1					
17A	1F-416	COTTER, Clevis Pin.....	1	32	514042	BELL CRANK, 2 & 4 Wheel Drive.....	1
18	514046	BELL CRANK, High & Low - R.H. Rear.....	1	32A	33G-816	#SET SCREW, Bell Crank..... 1	
18A	33G-816	#SET SCREW, Bell Crank..... 1					
18B	8D-08	#NUT, Set Screw Jam..... 1					
19	514112	BELL CRANK, 2 & 4 Wheel Drive - Rear.....	1	32B	8D-08	#NUT, Set Screw Jam..... 1	
19A	526767	#BUSHING, Bell Crank..... 4					
19B	1F-426	#COTTER, Bell Crank..... 2					
20	514047	SHAFT, Bell Crank..... 1					
21	4F-08127	PIN, Link to Bell Crank..... 1					
				33	664430	WASHER, Bell Crank..... 2	
				34	4F-08127	PIN, Rod to Bell Crank..... 1	
				34A	1F-416	COTTER, Clevis Pin.....	1
				35	514238	ROD, High & Low Shift-Front. 1	
				36	4F-08127	PIN, Clevis to Lever..... 1	
				36A	1F-416	COTTER, Clevis Pin.....	1
				37	8D-08	NUT, Clevis Jam.....	1
				38	2J-8300	CLEVIS, Rod to Lever..... 1	
				39	4F-08127	PIN, Clevis to Lever..... 1	
				39A	1F-416	COTTER, Clevis Pin.....	1
				40	2C-868	BOLT, Lever Attaching..... 1	
				40A	2D-08	#NUT, Lever Attaching..... 1	
				40B	4E-08	#LKWSHR, Lever Attaching... 1	
				41	616796	WASHER, Lever Attaching.... 2	
				42	550646	SLEEVE, Lever Mounting..... 2	
				42A	526767	BUSHING, Lever Mounting..... 2	

- Not Illustrated



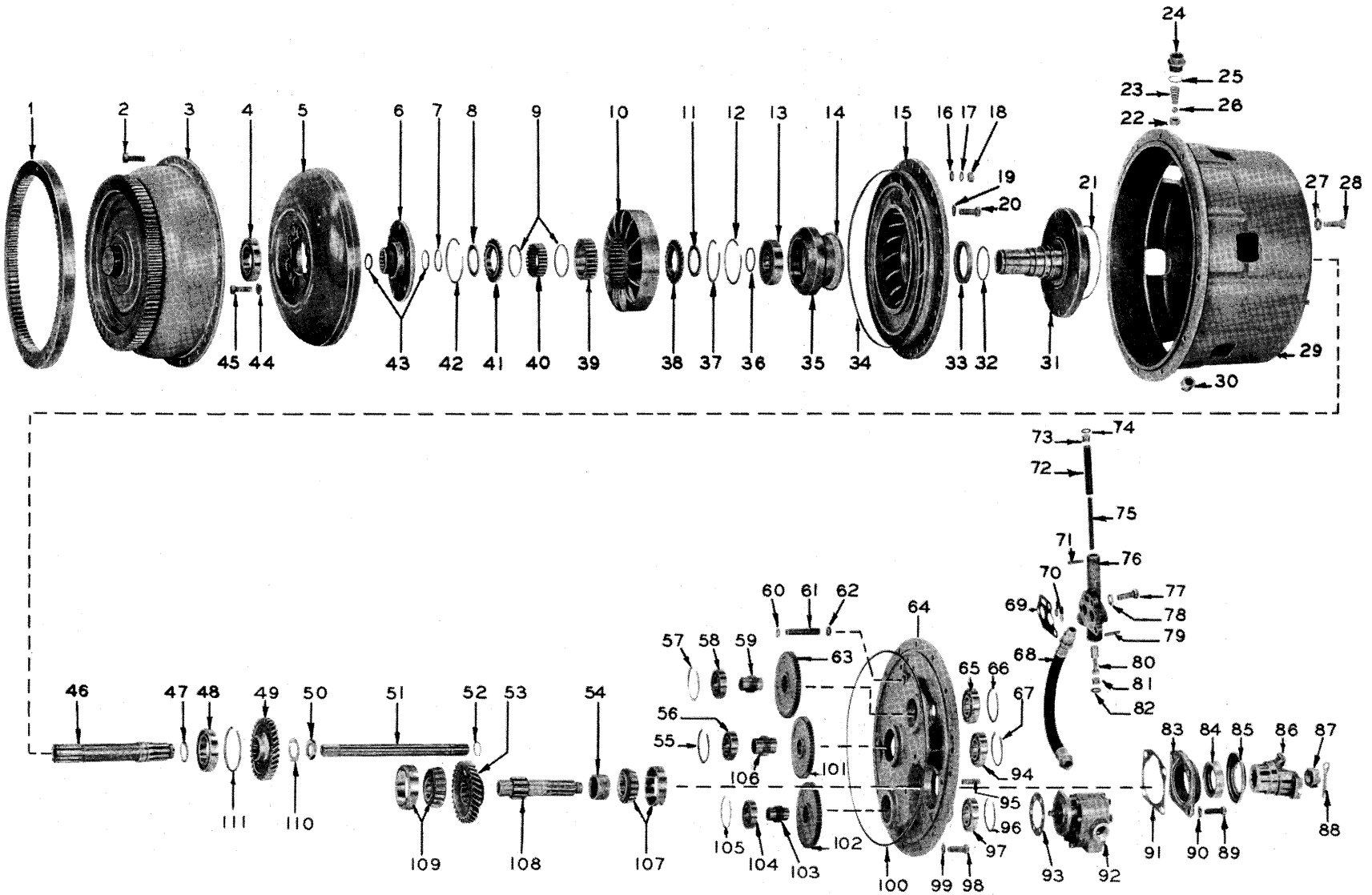
TS-1534-P

PRESSURE REGULATOR ASSEMBLY

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	214969	VALVE ASSY, Pressure Regulator (Inc. 1 thru 3, 6 & 8 thru 15).....		8	214946	SEAT, Safety Valve.....	1
1	660178	PIN, Valve Stop Roll.....	1	9		%BODY, Valve (See Item 16)..	1
2	220983	STOP, Valve.....	1	10	220981	SPRING, Valve Inner.....	1
3	25K-30018	"O" RING, Valve Stop.....	1	11	220982	SPRING, Valve Outer.....	1
4	1C-616	BOLT, Valve Body.....	4	12	25K-30018	"O" RING, Valve Stop.....	1
5	4E-06	LKWSHR, Valve Body.....	4	13	660178	PIN, Valve Stop Roll.....	1
6		%PISTON, Valve (See Item 16)	1	14	220983	STOP, Valve.....	1
7	40K-02	PLUG, Valve Housing Pipe....	2	15	25K-40104	"O" RING, Valve Body to Converter.....	1

% Not Sold Separately.

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



[12]

TORQUE CONVERTER ASSEMBLY

3609-P-87-56

TORQUE CONVERTER ASSEMBLY FOR SERIAL 5123, 5124, 5129, 5131, 5132

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	LT-3988	TORQUE CONVERTER.....	1	48	658021	BEARING, Main Drive Gear....	1
1	215265	GEAR, Converter Drive.....	1	49A	216680	*GEAR, Main Drive (40T)	1
2	2C-618	BOLT, Impeller to Drive Disc	30	50	220990	NUT, Main Drive Gear Re-	
3	220353	DISC ASSY, Converter.....	1			taining.....	1
4	223359	BEARING, Disc Hub.....	1	51	209789	SHAFT, Oil Pump.....	1
5	220222	TURBINE, Converter.....	1	52	209791	RING, Oil Pump Shaft Piston.	1
6	220223	HUB, Turbine.....	1	53A	216681	*GEAR, Main Drive (45T)	1
7	224024	RING, Front Thrust Washer		54	209584	SPACER, Output Shaft.....	1
		Retaining.....	1	55	223862	RING, Oil Pump Drive Gear	
8	209573	WASHER, Front Thrust.....	1			Hub Bearing Retainer.....	1
9	209949	SPRING, Sprag.....	2	56	654299	BEARING, Oil Pump Drive Gear	
10	220221	REACTION MEMBER, Converter..	1			Hub.....	1
11	209574	WASHER, Rear Thrust.....	1	57	223922	RING, Oil Pump Driven Gear	
12	223856	RING, Impeller Hub Bearing..	1			Hub Bearing Retainer.....	1
13	223359	BEARING, Impeller Hub.....	1	58	853189	BEARING, Oil Pump Driven	
14	25K-40600	"O" RING, Impeller Hub.....	1			Gear Hub.....	1
15	209542	IMPELLER, Converter.....	1	59	220987	HUB, Oil Pump Driven Gear...	1
16	619023	WASHER, Impeller to Drive		60	25K-30018	"O" RING, Oil Cross-over	
		Disc.....	30			Tube.....	1
17	6E-06	LKWSHR, Impeller to Drive		61	209868	TUBE, Oil Cross-over.....	1
		Disc.....	30	62	25K-30018	"O" RING, Oil Cross-over	
18	2D-06	NUT, Impeller to Drive Disc..	30			Tube.....	1
19	209567	WASHER, Impeller to Hub.....	6	63	220986	GEAR, Oil Pump Driven.....	1
20	209566	BOLT, Impeller to Hub.....	6	64	220973	COVER, Converter Housing....	1
21	209562	"O" RING, Converter Support..	1	65	853189	BEARING, Oil Pump Driven	
22	208788	SEAT, By-Pass Ball.....	1			Gear Hub.....	1
23	209188	SPRING, By-Pass.....	1	66	223922	RING, Oil Pump Driven Gear	
24	220847	FITTING, By-Pass Plug.....	1			Hub Bearing Retainer.....	1
25	221023	SEAL, By-Pass Plug.....	1	67	223862	RING, Oil Pump Driven Gear	
26	10J-16	BALL, By-Pass.....	1			Hub Bearing Retainer.....	1
27	6E-08	LKWSHR, Converter Support		68	220976	HOSE, Valve Body to Conver-	
		to Hsg.....	6			ter Pump.....	1
28	2C-824	BOLT, Converter Support to		69	220978	GASKET, Valve Body.....	1
		Housing.....	6	70	25K-40024	"O" RING, Valve Body to	
29	221536	HOUSING, Converter (See 116)	1			Converter.....	2
29A	221007	#COVER, Inspection Hole.....	AR	71	660178	PIN, Valve Stop Roll.....	1
29B	1C-406	#BOLT, Cover Attaching.....	AR	72	220981	SPRING, Regulator Valve	
29C	4E-04	#LKWSHR, Cover Attaching....	AR			Outer.....	1
30	201120	PLUG, Magnetic Drain.....	1	73	220983	STOP, Regulator Valve.....	1
31	220549	SUPPORT ASSY, Converter.....	1	74	25K-30018	"O" RING, Regulator Valve	
32	209387	RING, Converter Support Oil..	1			Stop.....	1
33	209788	SEAL, Converter Support Oil..	1	75	220982	SPRING, Regulator Valve	
34	224207	"O" RING, Impeller to Drive				Inner.....	1
		Disc.....	1	76	-----	%BODY, Regulator Valve	
35	209783	HUB, Impeller.....	1			(See 118).....	1
36	224020	RING, Impeller Hub Bearing		77	1C-820	BOLT, Regulator Valve Body..	2
		Locating.....	1	77A	1C-840	BOLT, Regulator Valve Body..	1
37	223965	RING, End Plate Retaining,		78	4E-08	LKWSHR, Regulator Valve Body	3
		Rear.....	1	79	660178	PIN, Regulator Valve Body...	1
38	220146	END PLATE & BUSHING ASSY,		80	-----	%PISTON, Regulator Valve	
		Rear.....	1			Body (See 118).....	1
39	220145	RACE, Reaction Member Outer..	1	81	220983	STOP, Regulator Valve Body..	1
40	221953	OVERRUNNING CLUTCH ASSY		82	25K-30018	"O" RING, Regulator Valve	
		(Inc. 9).....	1			Stop.....	1
41	220146	END PLATE & BUSHING ASSY,		83	209588	CAP, Output Shaft Bearing...	1
		Front.....	1	84	209587	SEAL, Output Shaft Oil.....	1
42	223965	RING, End Plate Retaining,		85	100949	DEFLECTOR, Output Shaft	
		Front.....	1			Flange Dust.....	1
43	224052	RING, Turbine Hub Retaining..	2	86	SK-18907	FLANGE & DEFLECTOR ASSY	
44	209567	WASHER, Turbine Hub.....	8			(Inc. 85).....	1
45	209566	BOLT, Turbine Hub.....	8	87	100950	NUT, Output Shaft Flange....	1
46	218702	SHAFT, Main Drive Gear.....	1	88	1F-432	COTTER, Output Shaft Flange	
47	209560	RING, Main Drive Gear Shaft				Nut.....	1
		Oil.....	1	89	1C-820	BOLT, Output Shaft Brg. Cap.	4

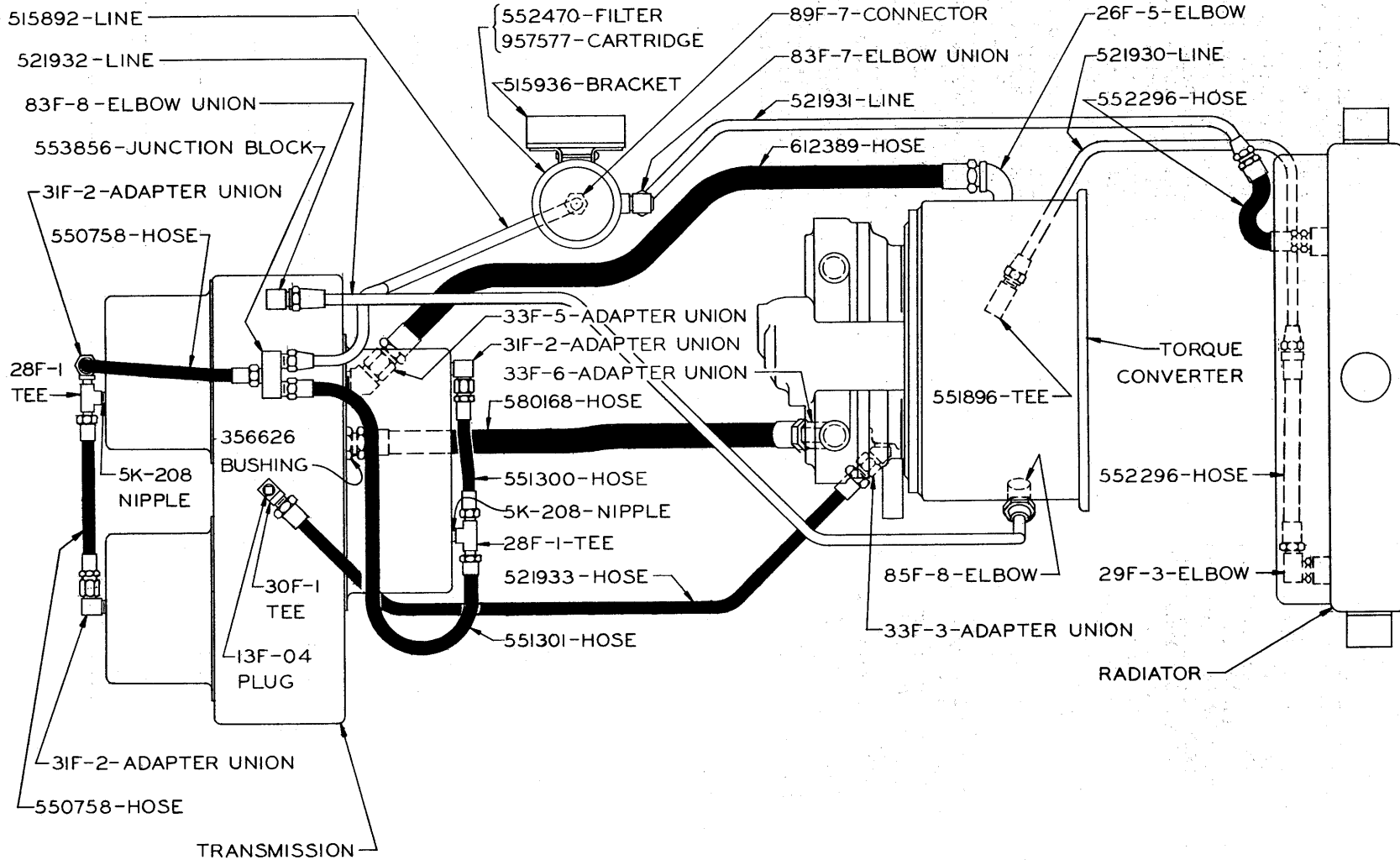
*NOTE: For replacement of 209889 or 209891 Gears use 216680 and 216681 Gears plus one (1) 218702 Main Drive Gear Shaft (Item 46) as a complete set. After new Gears and Shaft have been installed they may be replaced individually as required.

- Not Illustrated

% - Not Sold Separately

AR - As Required

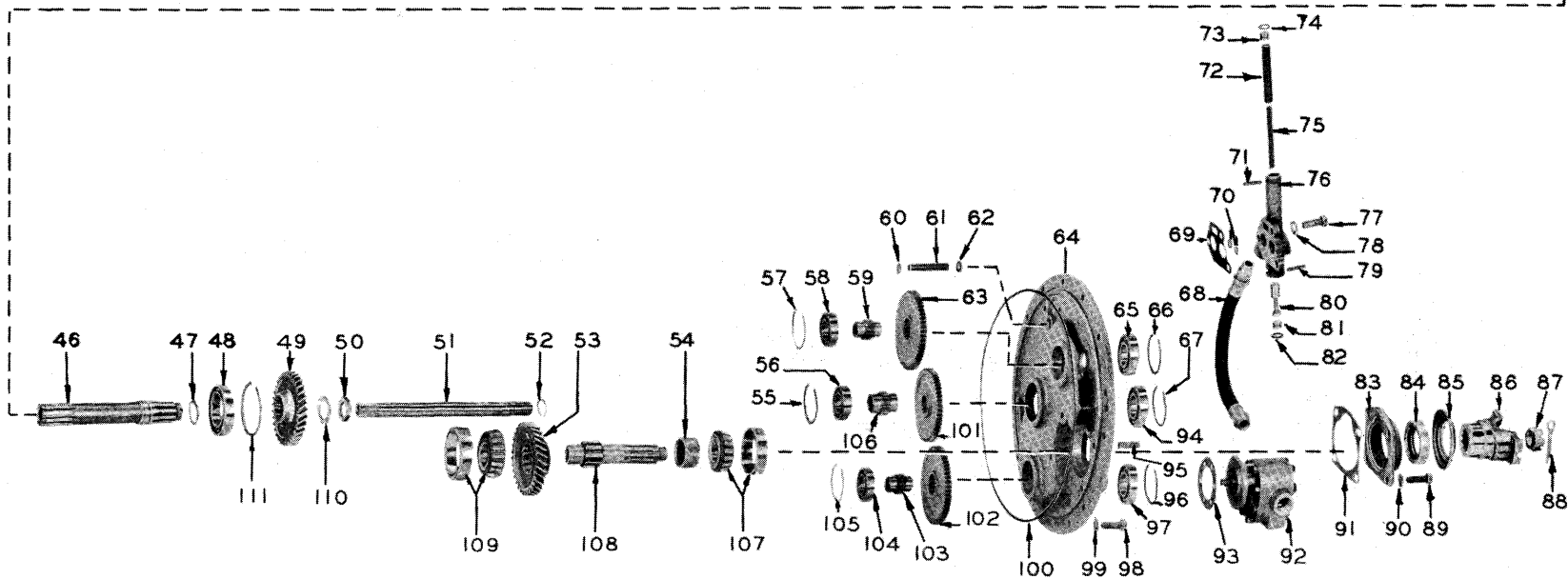
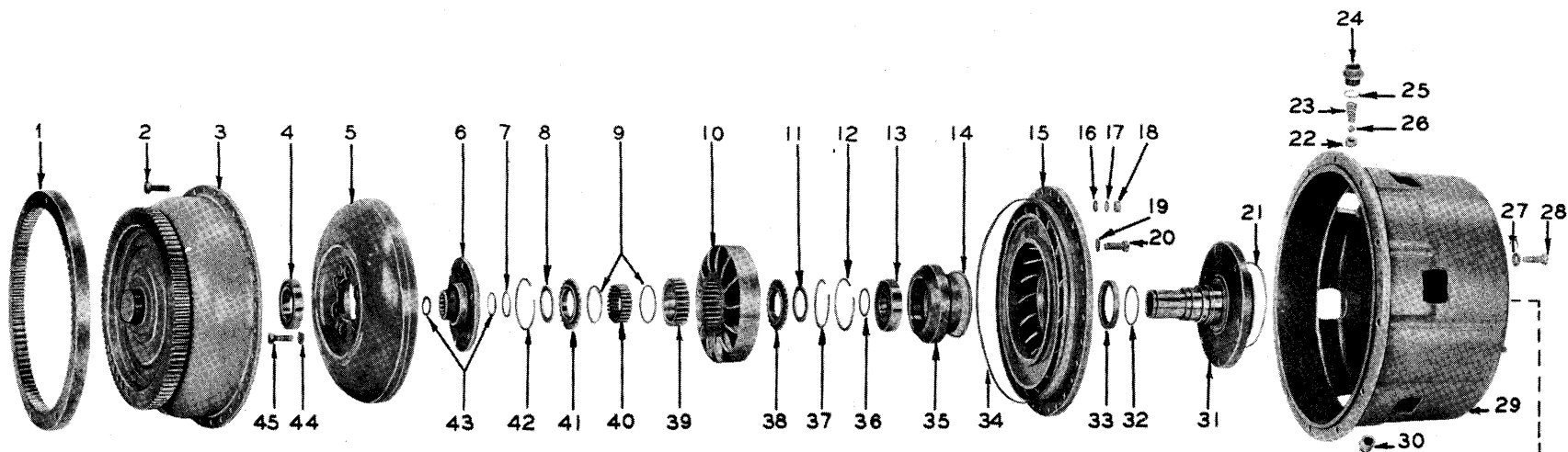
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

For Serial 5123, 5124, 5129, 5131, 5132
 For Machines with LT-3988 Torque Converter

TS-2015-P



TORQUE CONVERTER ASSEMBLY

3609-P-87-56

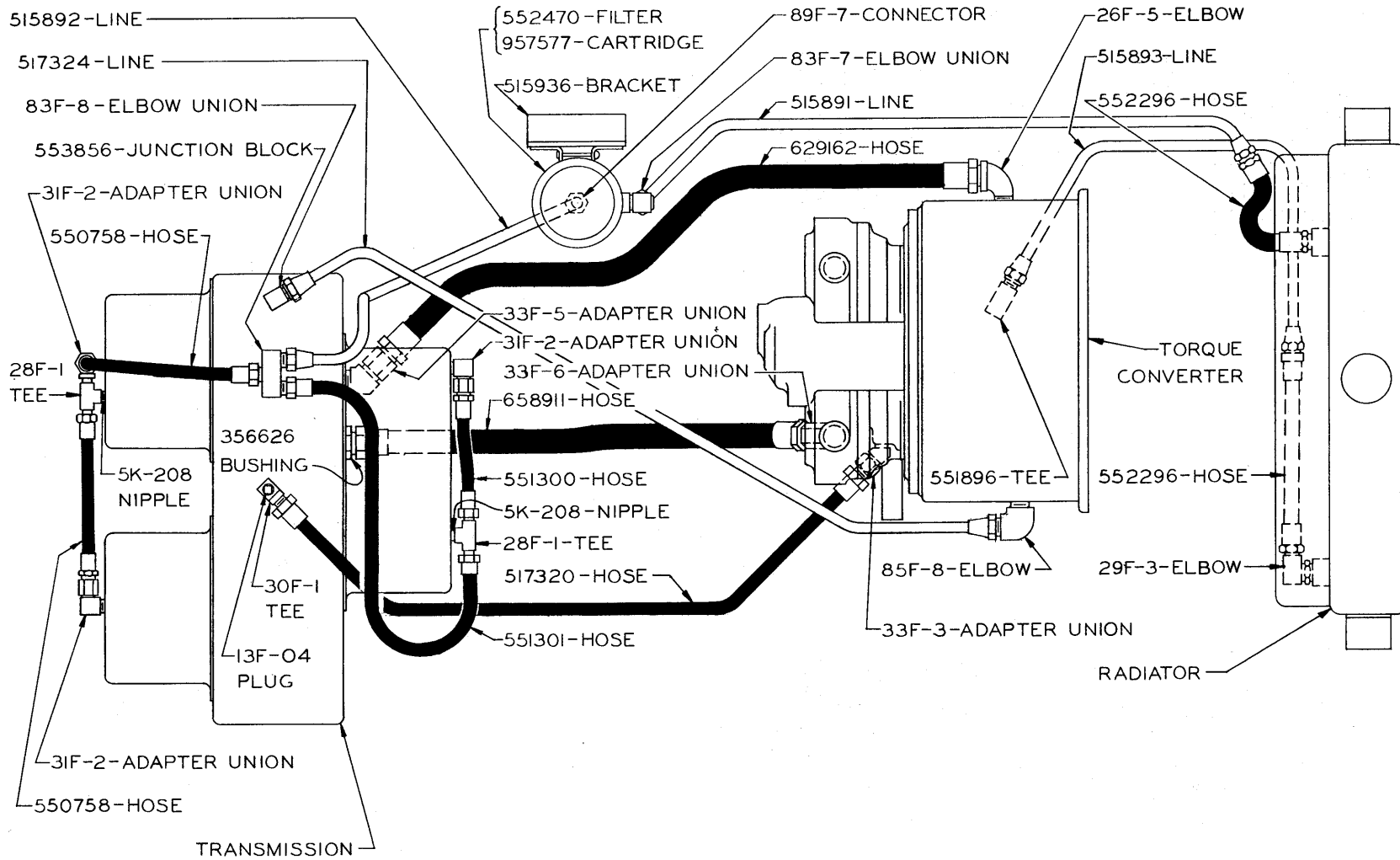
[16]

TORQUE CONVERTER ASSEMBLY FOR SERIAL 5125 thru 5128, 5130

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	280707	TORQUE CONVERTER ASSEMBLY...	1	52	209781	PISTON RING, Oil Pump Shaft.	1
1	233089	GEAR, Converter Drive.....	1	53	209336	GEAR, Output Shaft (32T)....	1
2	2C-618	BOLT, Impeller to Drive Disc	30	54	209337	SPACER, Output Gear.....	1
3	220483	CONVERTER DISC ASSEMBLY.....	1	55	223863	RING, Oil Pump Drive Gear	
4	223358	BEARING, Disc Hub.....	1			Hub Retainer.....	1
5	220507	Turbine, Converter.....	1	56	743458	BEARING, Oil Pump Drive Gear	
6	220493	HUB, Turbine.....	1			Hub.....	1
7	224028	RING, Front Thrust Washer		57	223981	RING, Oil Pump Driven Gear	
		Retaining.....	1			Hub Bearing Retainer.....	1
8	209319	WASHER, Front Thrust.....	1	58	860668	BEARING, Oil Pump Driven	
9	209948	SPRING, Sprag.....	2			Gear Hub.....	1
10	220488	REACTION MEMBER, Converter		59	220987	HUB, Oil Pump Driven Gear...	1
		(See 122).....	1	60	25K-30018	"O" RING, Oil Cross-Over	
11	209320	WASHER, Rear Thrust.....	1			Tube.....	1
12	223859	RING, Impeller Hub Bearing		61	209869	TUBE, Oil Cross-Over.....	1
		Retainer.....	1	62	25K-30018	"O" RING, Oil Cross-Over	
13	223358	BEARING, Impeller Hub.....	1			Tube.....	1
14	25K-40508	"O" RING, Impeller to Hub...	1	63	221082	GEAR, Oil Pump Driven (43T).	1
15	209311	IMPELLER, Converter.....	1	64	221072	COVER, Converter Housing....	1
16	619023	WASHER, Impeller to Drive		65	860668	BEARING, Oil Pump Driven	
		Disc.....	30			Gear Hub.....	1
17	6E-06	LOCKWASHER, Impeller to		66	223981	RING, Oil Pump Driven Gear	
		Drive Disc.....	30			Hub Bearing Retainer.....	1
18	2D-06	NUT, Impeller to Drive Disc.	30	67	223863	RING, Oil Pump Drive Gear	
19	619023	WASHER, Impeller to Hub.....	6			Hub Bearing Retainer.....	1
20	209313	BOLT, Impeller to Hub.....	6	68	221084	HOSE, Valve Body to Conver-	
20A	28H-18	#LOCKWIRE, Impeller to Hub..	AR			ter Pump.....	1
21	25K-40600	"O" RING, Converter Support.	1	69	220978	GASKET, Valve Body.....	1
22	208788	SEAT, By-Pass Ball.....	1	70	25K-40024	"O" RING, Valve Body to	
23	209188	SPRING, By-Pass.....	1			Converter Housing.....	2
24	220847	FITTING, By-Pass Plug.....	1	71	660178	ROLL PIN, Regulating Valve	
25	221023	SEAL, By-Pass Plug.....	1			Body.....	1
26	10J-16	BALL, By-Pass.....	1	72	220981	SPRING, Regulating Valve	
27	6E-08	LOCKWASHER, Converter				Outer.....	1
		Support to Housing.....	6	73	220983	STOP, Regulating Valve	
28	2C-820	BOLT, Converter Support				Piston.....	1
		to Housing.....	6	74	25K-30018	"O" RING, Regulating Valve	
29	800880	HOUSING, Converter (See 121)	1			Stop.....	1
30	201120	PLUG, Magnetic Drain.....	1	75	220982	SPRING, Regulating Valve,	
31	220706	CONVERTER SUPPORT ASSEMBLY..	1			Inner.....	1
32	209307	RING, Converter Support Oil.	1	76	-----	%BODY, Regulating Valve	
33	209778	SEAL, Converter Support Oil.	1			(See 123).....	1
34	214939	"O" RING, Impeller to Drive		77	1C-820	BOLT, Regulating Valve Body.	2
		Disc.....	1	77A	1C-840	BOLT, Regulating Valve Body.	1
35	209782	HUB, Converter Impeller.....	1	78	4E-08	LOCKWASHER, Regulating	
36	224075	RING, Impeller Hub Bearing				Valve Body.....	3
		Location.....	1	79	660178	ROLL PIN, Regulating Valve	
37	223967	RING, End Plate Retainer....	1			Body.....	1
38	220480	END PLATE AND BUSHING		80		PISTON, Regulating Valve	
		ASSEMBLY.....	1			Body.....	1
39	220479	OUTER RACE, Reaction Member		81	220983	STOP, Regulating Valve Body.	1
		(See 122).....	1	82	25K-30018	"O" RING, Regulating Valve	
40	221947	Over-running Clutch				Stop.....	1
		Assembly (Inc. Item 9)....	1	83	221076	CAP, Output Shaft.....	1
41	220480	End Plate and Bushing		84	206864	OIL SEAL, Output Shaft.....	1
		Assembly.....	1	85	100949	DEFLECTOR, Output Shaft....	1
42	223967	RING, End Plate Retainer....	1	86	209343	FLANGE AND DEFLECTOR	
43	224033	RING, Turbine Hub Retainer..	2			ASSEMBLY (Inc. Item 85)...	1
44	619023	WASHER, Turbine to Hub.....	8	87	201951	NUT, Output Shaft Flange....	1
45	209313	BOLT, Turbine to Hub.....	8	88	1F-432	COTTER, Flange Nut.....	1
45A	201553	LOCKWIRE, Turbine to Hub....		89	1C-720	BOLT, Output Shaft Bearing	
46	221073	SHAFT, Main Drive Gear.....	1			Cap.....	4
47	209304	OIL RING, Main Drive Shaft..	1	90	4E-07	LOCKWASHER, Bearing Cap....	4
48	658016	BEARING, Main Drive Gear		91	221077	SHIM, Output Bearing Cap	
		Retainer.....	1			(.004).....	AR
49	220492	GEAR, Main Drive (33T).....	1	91A	221078	SHIM, Output Bearing Cap	
50	221074	NUT, Main Drive Gear				(.007).....	AR
		Retainer.....	1	91B	221079	SHIM, Output Bearing Cap	
51	209779	SHAFT, Oil Pump.....	1			(.010).....	AR

- Not Illustrated % - Not Sold Separately
AR - As Required

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

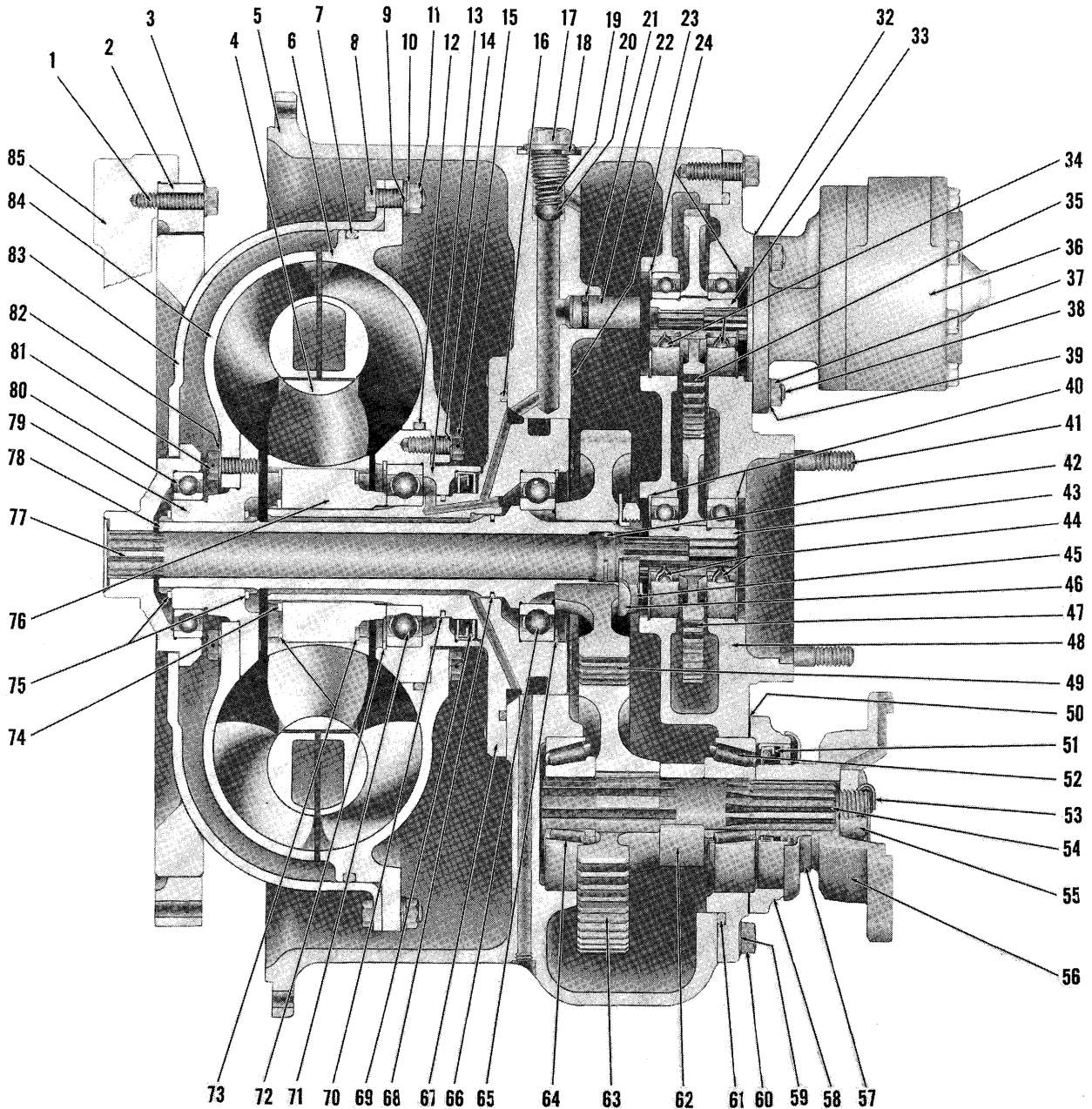
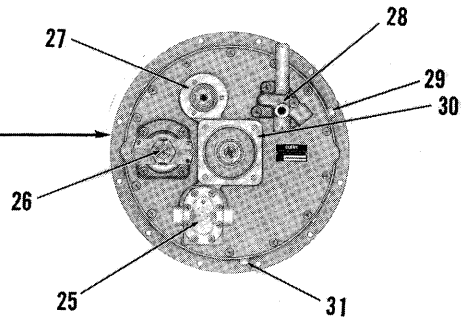


HYDRAULIC SYSTEM-TRANSMISSION AND TORQUE CONVERTER

For Serial 5125 thru 5128, 5130
For Machines with 280707 (C-303-1) Torque Converter

TS-2016-P

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY

TS-1171-P

TORQUE CONVERTER ASSEMBLY FOR SERIAL 5133, 5137 thru 5142

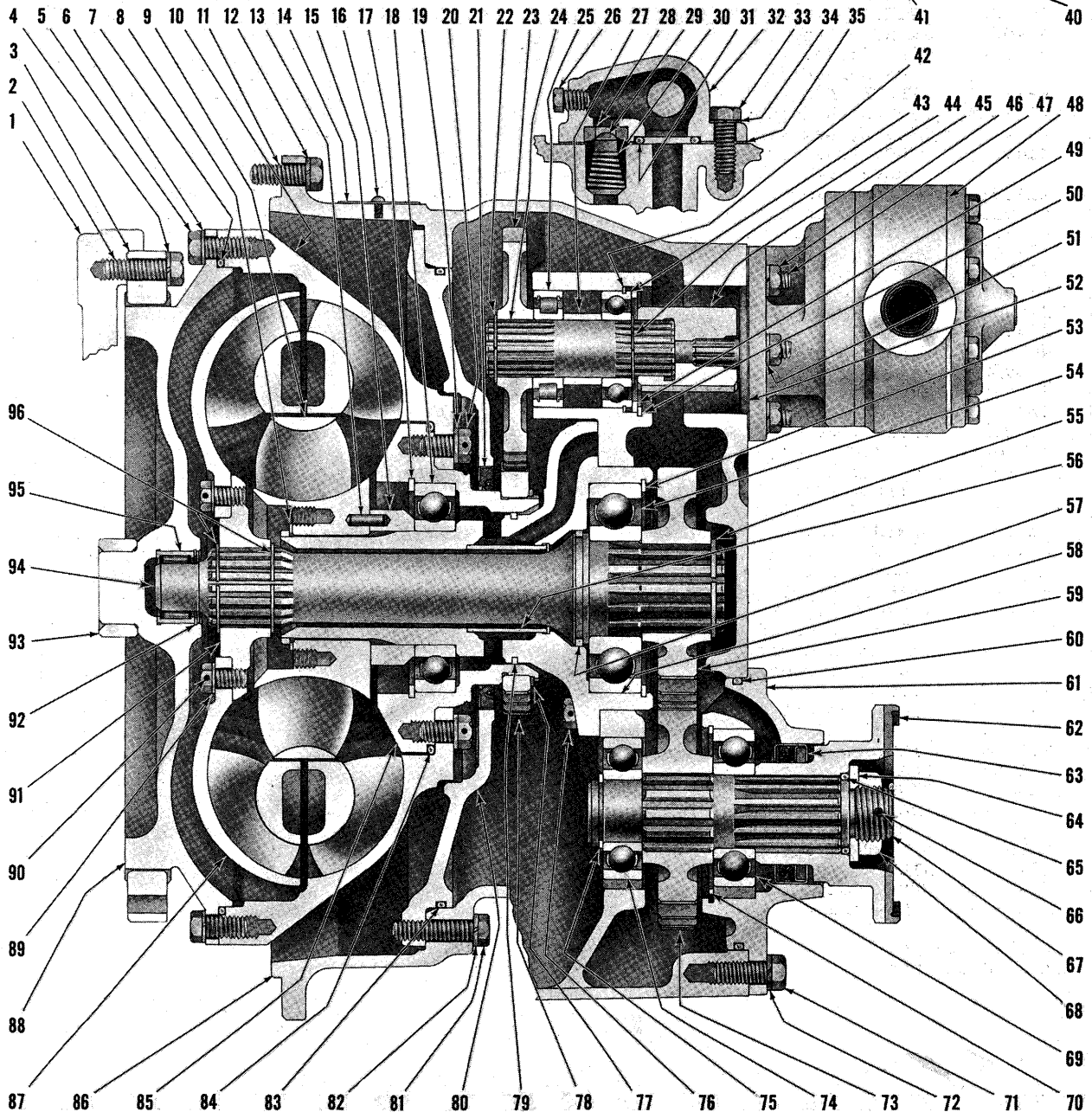
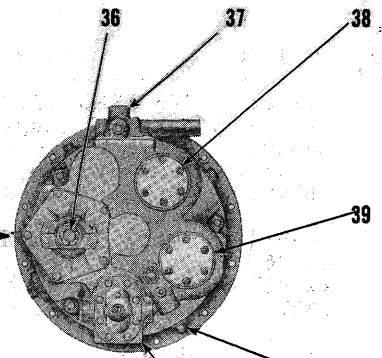
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	LT-4262	CONVERTER ASSY.....	1	46	220989	WASHER, Retainer Nut Locking.	1
1	224797	BOLT, Drive Gear to Flywheel	12	47	220984	GEAR, Oil Pump Drive (57T)...	1
1A	28H-18200	#LOCKWIRE, Drive Gear Bolt..	6	48	220973	COVER, Converter Housing.....	1
2	215265	GEAR, Converter Drive.....	1	48A	220979	DOWEL, Cover to Housing.....	2
3	619021	WASHER, Drive Gear Bolt.....	12	49	209889	*GEAR, Main Drive (40T).....	1
4	801055	REACTION MEMBER ASSY (Inc. 73, 76).....	1	49A	216680	GEAR, Main Drive (40T).....	1
5	SK-20029	HOUSING ASSY, Converter (Inc. 5A).....	1	50	209589	SHIM, Bearing Cap-.004.....	AR
5A	208788	#SEAT, Relief Ball.....	1	50A	209590	SHIM, Bearing Cap-.007.....	AR
6	209542	IMPELLER.....	1	50B	209591	SHIM, Bearing Cap-.010.....	AR
7	224207	"O" RING, Drive Disc to Impeller.....	1	51	209587	SEAL, Output Shaft Bearing...	1
8	2C-618	BOLT, Drive Disc to Impeller	30	52	675543	CUP, Output Shaft Bearing...	1
9	619023	WASHER, Drive Disc to Im- peller.....	30	52A	658981	CONE, Output Shaft Bearing...	1
10	6E-06	LKWSHR, Drive Disc to Impeller.....	30	53	1F-432	COTTER, Flange Nut.....	1
11	2D-06	NUT, Drive Disc to Impeller.	30	54	209582	SHAFT, Output.....	1
12	25K-40600	"O" RING, Impeller to Hub...	1	55	100950	NUT, Flange.....	1
13	223197	HUB, Impeller.....	1	56	SK-18907	FLANGE ASSY (Inc. 57).....	1
14	209567	WASHER, Impeller to Hub.....	6	57	100949	DEFLECTOR, Flange.....	1
15	209566	BOLT, Impeller to Hub.....	6	58	209588	CAP, Output Shaft Bearing....	1
16	209562	"O" RING, Converter Support.	1	58A	1C-820	#BOLT, Bearing Cap.....	4
17	208784	PLUG, Pressure Relief.....	1	58B	4E-08	#LKWSHR, Bearing Cap.....	4
18	221023	SEAL, Relief Plug.....	1	59	4E-07	LKWSHR, Cover to Housing.....	14
19	222312	SPRING, Pressure Relief.....	1	60	1C-720	BOLT, Cover to Housing.....	14
20	222318	PLUNGER, Relief Valve.....	1	61	209555	"O" RING, Cover to Housing...	1
21	25K-30018	"O" RING, Oil Tube.....	2	62	209584	SPACER, Output Shaft Gear....	1
22	209868	TUBE, Cover to Case Oil.....	1	63	209891	GEAR, Output Shaft (45T).....	1
23	2C-824	BOLT, Converter Support.....	6	63A	21668K	GEAR, Main Drive (45T).....	1
23A	6E-08	#LKWSHR, Converter Support..	6	64	675543	CUP, Output Shaft Bearing....	1
24	223922	RING, Pump Bearing Retaining	4	64A	658981	CONE, Output Shaft Bearing...	1
25	-----	CONVERTER PUMP ASSY- See Index.....	-	65		RING, Drive Gear Bearing Locating (Select one at Assembly)	
26	-----	SHAFT, Output (See 54).....	-	65A	223953	RING-.088 to .090.....	AR
27	-----	%PAD, Steering Pump Mounting-	-	65B	223954	RING-.091 to .093.....	AR
28	-----	VALVE ASSY, Pressure Regulating - See Index....	-	65C	223955	RING-.094 to .096.....	AR
29	13F-12	PLUG, Filler.....	1	65D	223956	RING-.097 to .099.....	AR
30	-----	%PAD, Bucket and Boom Pump Mtg.....	-	66	227105	BEARING, Main Drive Gear.....	1
31	201120	PLUG, Magnetic Drain.....	1	67	223199	SUPPORT, Converter.....	1
32	551906	GASKET, Pump.....	1	68	209560	RING, Drive Gear Shaft Seal- ing.....	1
33	220987	HUB, Oil Pump Driven Gear...	1	69	209788	SEAL, Support Oil.....	1
33A	220987	HUB, Steering Pump Gear.....	1	70	209387	RING, Support Sealing.....	1
34	853189	BEARING, Oil Pump Driven Gear Hub.....	4	71	214596	BEARING, Impeller Hub.....	1
35	220986	GEAR, Oil Pump Driven (54T).	2	72	223854	RING, Hub Bearing Retaining..	1
36	942395	CONVERTER PUMP ASSY - See Index.....	-	73	223965	RING, Hub to Reaction Member Rtg.....	2
37	8D-06	NUT, Pump to Converter Stud.	3	74	224119	RING, Hub to Support Retainer	1
38	207647	STUD, Pump to Converter.....	3	75	224052	RING, Turbine Hub Retaining..	2
39	4E-06	LKWSHR, Pump to Converter...	3	76	-----	%HUB, Reaction Member-(See 4)	1
40	223862	RING, Drive Gear Hub Brg. Retaining.....	2	77	209789	SHAFT, Oil Pump.....	1
41	205264	STUD, Pump Mounting.....	4	78	218702	SHAFT, Main Drive Gear.....	1
41A	2D-08	#NUT, Pump Mounting.....	4	79	220159	HUB, Turbine.....	1
41B	4E-08	#LKWSHR, Pump Mounting.....	4	80	223359	BEARING, Drive Disc.....	1
42	209791	RING, Pump Shaft Sealing....	1	81	209566	BOLT, Turbine to Hub.....	8
43	220985	HUB, Oil Pump Drive Gear....	1	82	209567	WASHER, Turbine to Hub.....	8
44	654299	BEARING, Oil Pump Drive Gear	1	83	220353	DRIVE DISC ASSY.....	1
45	220990	NUT, Main Drive Gear Retaining.....	1	84	220222	TURBINE.....	1
				85	-----	FLYWHEEL, Engine.....	-
				86	1C-720	#BOLT, Converter to Flywheel Housing.....	12
				87	4E-07	#LKWSHR, Converter to Fly- wheel Hsg.....	12

*NOTE: For replacement of 209889 or 209891 Gears use 216680 and 216681 Gears plus 1 #218702 Main Drive Gear Shaft (Item 46) as a complete set. After new Gears and Shaft have been installed they may be replaced individually as required.

AR - As Required # - Not Illustrated % - Not Sold Separately

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

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY

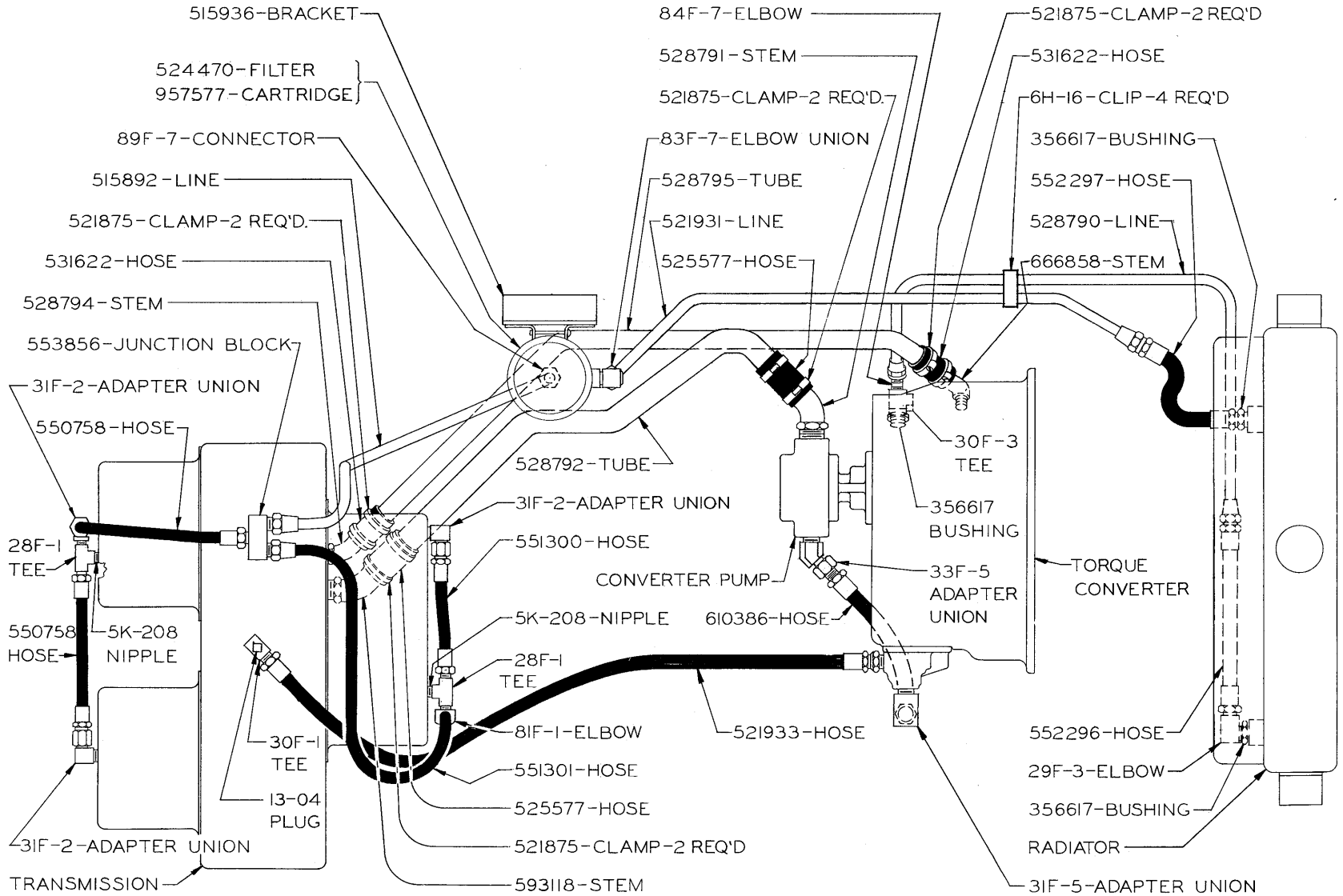
TS-1566-P

TORQUE CONVERTER ASSEMBLY For Serial 5143 and thereafter

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	281161	CONVERTER ASSY (C-273T-5)...	1	49	214929	WASHER, Pump Shaft.....	3
1	-----	FLYWHEEL, Engine.....	-	50	713186	RING, Washer Retaining.....	1
2	233092	BOLT, Ring Gear to Flywheel.	8	51	4E-06	LKWSHR, Pump Stud.....	6
3	233089	GEAR, Ring.....	1	52	551906	GASKET, Converter Pump.....	1
4	662481	WASHER, Ring Gear to Flywheel.....	8	53	214953	RING, Bearing Retainer.....	1
5	1C-616	BOLT, Impeller to Cover....	24	54	231554	BEARING, Turbine Shaft.....	1
6	4E-06	LKWSHR, Impeller to Cover....	24	55	224026	RING, Gear Snap.....	1
7	214939	"O" RING, Impeller to Cover.	1	56	-----	%SLEEVE, Stator Support (Included in 58).....	-
8	743035	RING, Reaction Member Retaining.....	1	57	222079	RING, Turbine Shaft Sealing.	1
9	214957	MEMBER, Reaction.....	1	58	214932	SUPPORT ASSY, Converter (Inc. 56).....	1
10	214959	IMPELLER.....	1	59	214935	GEAR, Turbine Shaft.....	1
11	1C-620	BOLT, Converter to Engine....	12	60	25K-40512	"O" RING, Bearing Retainer..	1
12	4E-06	LKWSHR, Converter to Engine..	12	61	214942	RETAINER ASSY, Bearing	1
13	658244	PIN, Spacer to Reaction Member Lock.....	1	62	214940	FLANGE, Companion.....	1
14	-----	%PLATE, Name.....	-	63	206864	SEAL, Oil.....	1
15	214934	SPACER, Reaction Member.....	1	64	102745	WASHER, Output Shaft.....	1
16	-----	%SCREW, Name Plate Drive....	-	65	25K-40112	"O" RING, Companion Flange...1	
17	214953	RING, Impeller Hub Bearing Retainer.....	1	66	1F-424	COTTER, Output Shaft.....	1
18	214596	BEARING, Impeller Hub.....	1	67	214937	SHAFT, Output.....	1
19	619025	WASHER, Hub to Impeller Bolt	8	68	201951	NUT, Output Shaft.....	1
20	4C-714	BOLT, Hub to Impeller.....	8	69	743439	BEARING, Output Shaft Rear..	1
21	214941	SEAL, Oil Baffle Oil.....	1	70	223901	RING, Bearing Snap.....	1
22	711298	RING, Gear Retainer.....	3	71	1C-720	BOLT, Bearing Retainer.....	3
23	214931	GEAR, Pump Drive (37T).....	3	71A	214730	#STUD, Bearing Retainer.....	2
24	214928	SHAFT, Pump Drive.....	3	71B	8D-07	#NUT, Bearing Retainer.....	2
25	214936	BEARING, Roller.....	2	72	4E-07	LKWSHR, Bearing Retainer....	5
26	40K-02	PLUG, Valve Hsg. Pipe.....	2	73	214938	GEAR, Output Shaft (37T)....	1
27	214930	SPACER, Pump Shaft.....	3	74	742056	BEARING, Output Shaft Front.	1
28	214946	SEAT, Safety Valve.....	1	75	214955	RING, Bearing Snap.....	1
29	222318	PLUNGER, Safety Valve.....	1	76	1C-820	BOLT, Stator Support.....	6
30	222312	SPRING, Safety Valve.....	1	76A	7E-08	#LKWSHR, Stator Support.....	6
31	25K-40104	"O" RING, Valve to Converter	1	77	224009	RING, Gear Retaining.....	1
32	-----	See Regulator Valve Assy (Item 37).....	-	78	214951	GEAR, Impeller Hub.....	1
33	1C-616	BOLT, Valve Body.....	4	79	221653	RING, Sealing.....	1
34	4E-06	LKWSHR, Valve Body.....	4	80	214925	BAFFLE, Oil.....	1
35	214949	GASKET, Valve Body to Converter.....	1	81	1C-628	BOLT, Oil Baffle.....	3
36	-----	SHAFT, Output (See Item 67).	-	82	4E-06	LKWSHR, Oil Baffle.....	3
37	-----	VALVE ASSY, Pressure Regulating (See Index)....	-	83	214939	"O" RING, Oil Baffle.....	1
38	-----	PAD, Pump Mounting.....	-	84	25K-40616	"O" RING, Impeller Hub.....	1
39	-----	PAD, Pump Mounting.....	-	85	214958	HUB, Impeller.....	1
40	13F-16	PLUG, Pipe.....	4	86	214950	HOUSING, Converter.....	1
41	-----	PUMP, Converter Charging (See Index).....	-	86A	14F-08	#PLUG, Pipe.....	1
42	214954	RING, Bearing Snap.....	3	86B	40K-02	#PLUG, Pipe.....	1
43	214956	BEARING, Shaft.....	3	87	223833	TURBINE.....	1
44	224039	RING, Bearing Retainer.....	3	88	234503	DRIVE DISC.....	1
45	214961	ADAPTOR, Converter Pump Drive.....	1	89	619023	WASHER, Turbine Hub Bolt....	8
46	8D-06	NUT, Pump Stud.....	6	90	209313	BOLT, Turbine to Hub.....	8
47	207647	STUD, Pump.....	6	91	214924	HUB, Turbine.....	1
48	-----	PUMP, Converter Charging - See Index.....	1	92	666542	RING, Bearing Retainer.....	1
				93	222006	SLEEVE.....	1
				94	214933	SHAFT, Turbine.....	1
				95	214988	BEARING, Impeller Cover.....	1
				96	659065	RING, Turbine Hub Snap.....	2

- Not Illustrated
% - Not Sold Separately

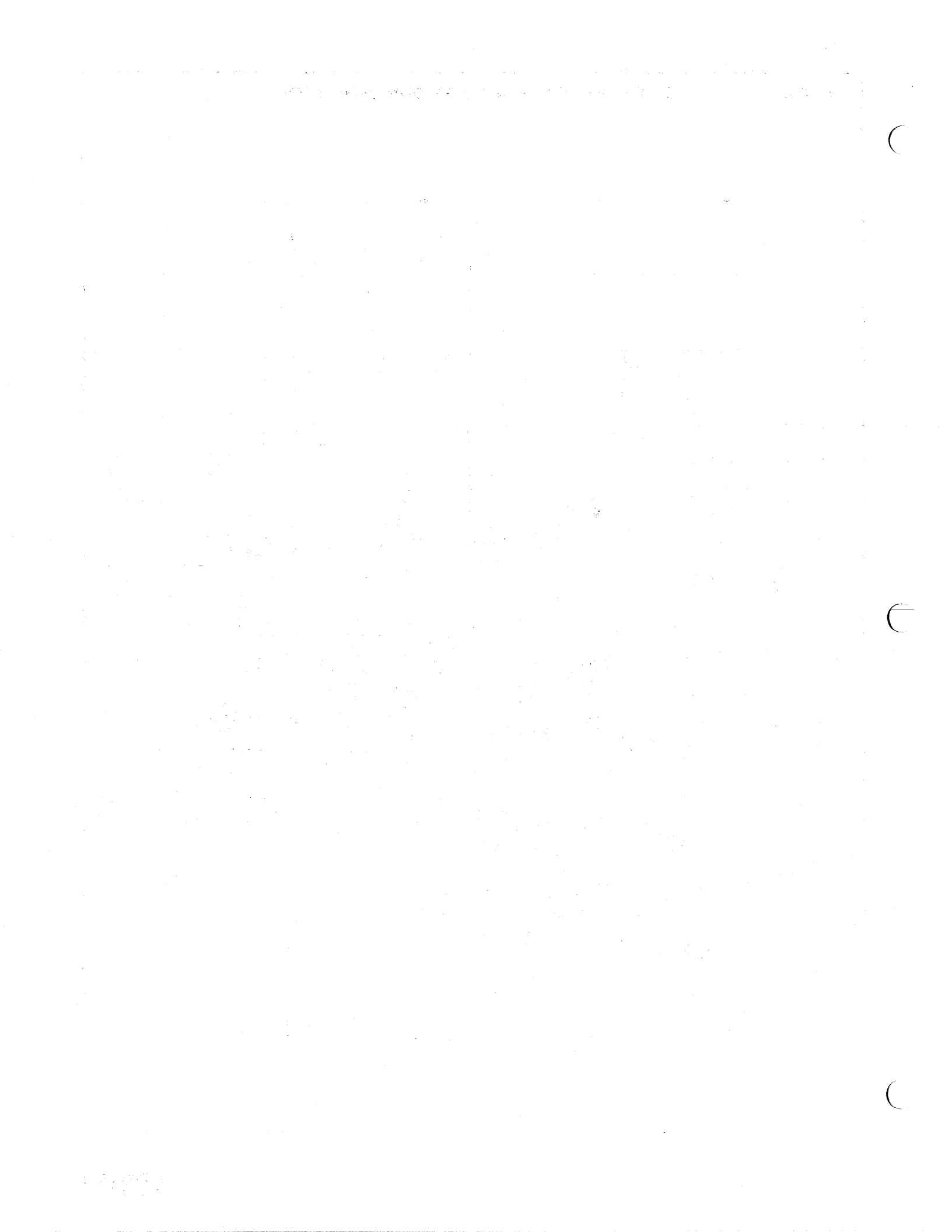
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

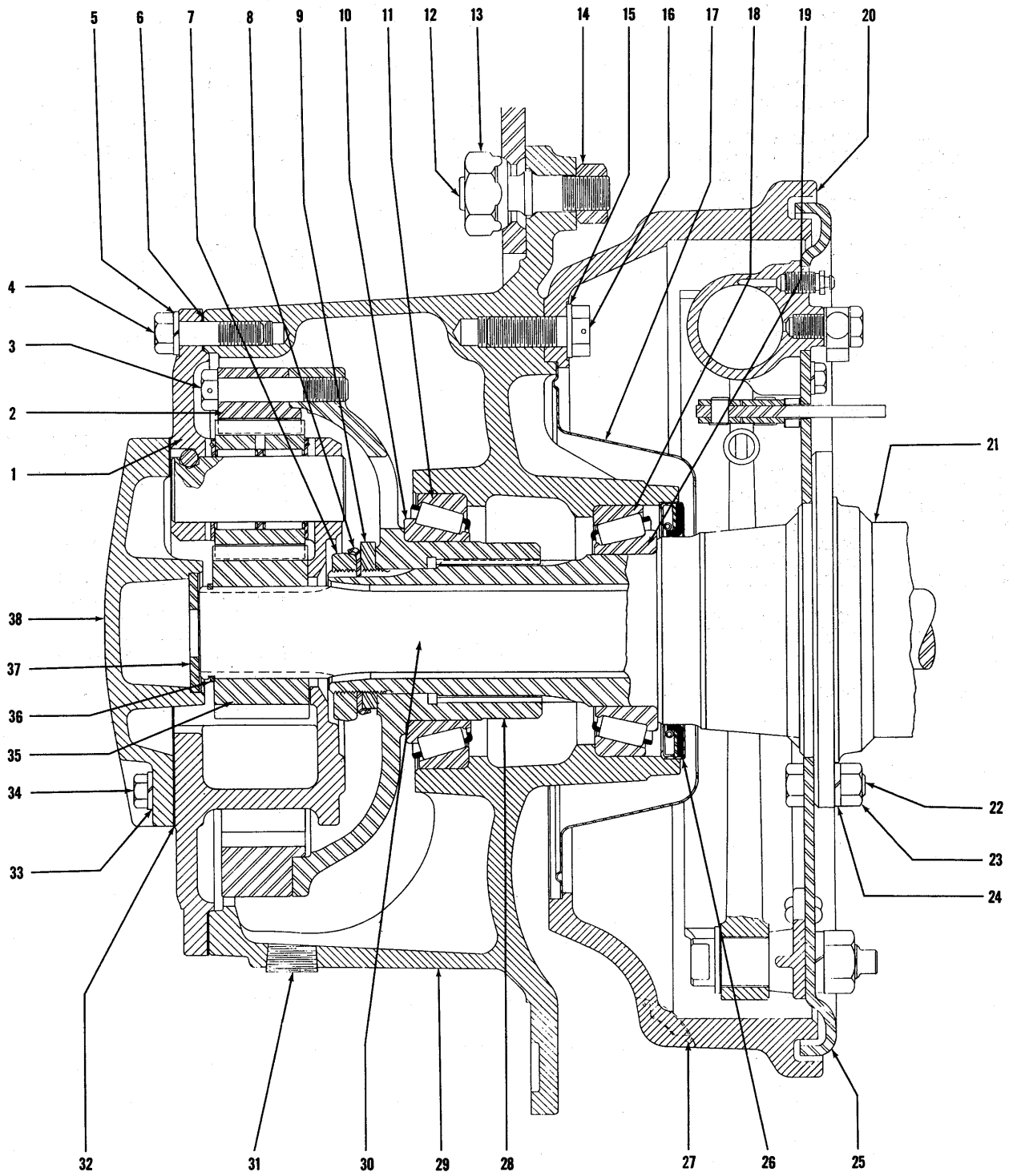


HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER

For Serial 5143 and thereafter
For Machines with C-273T-5 Torque Converters

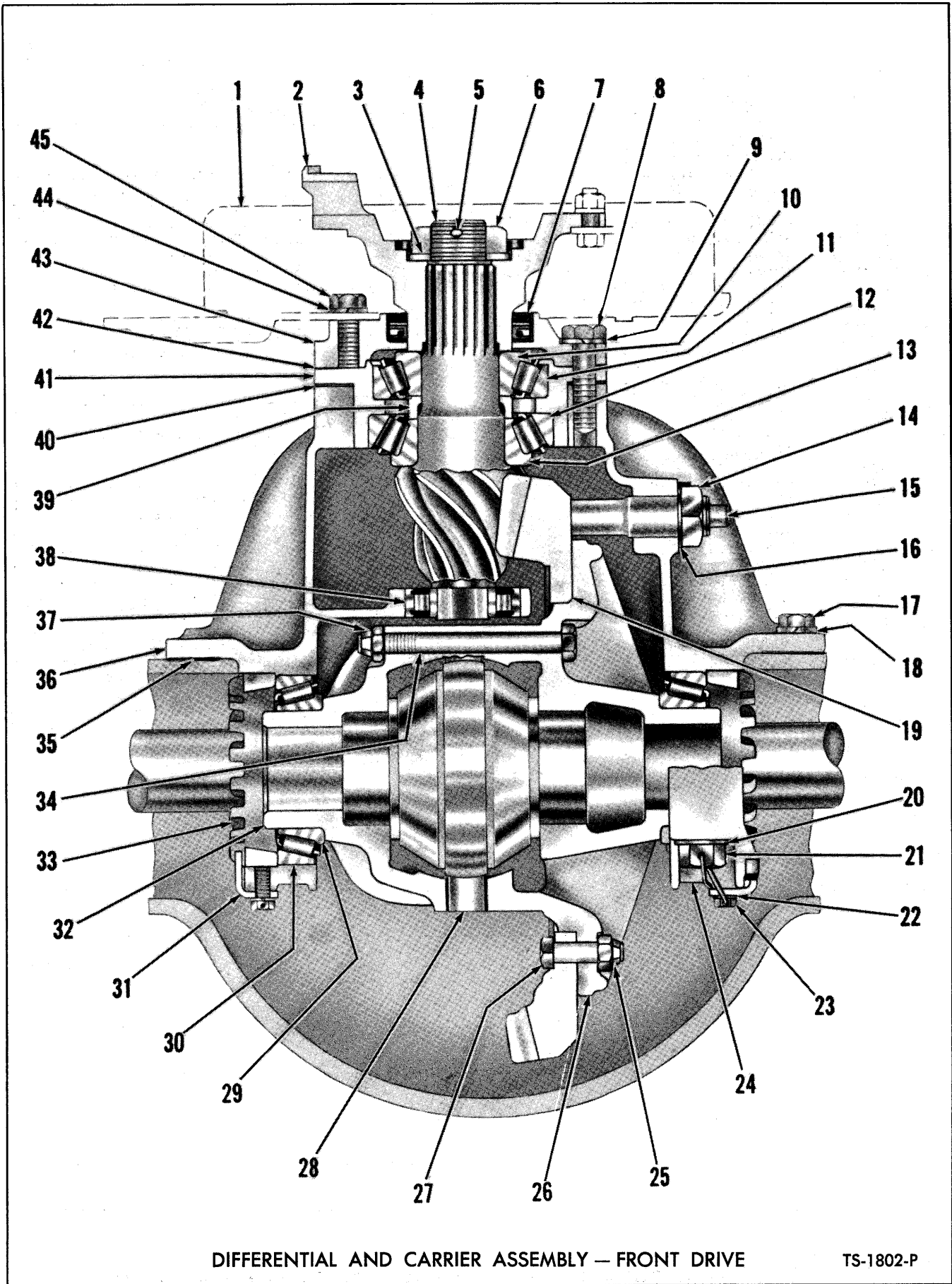
TS-2017-P





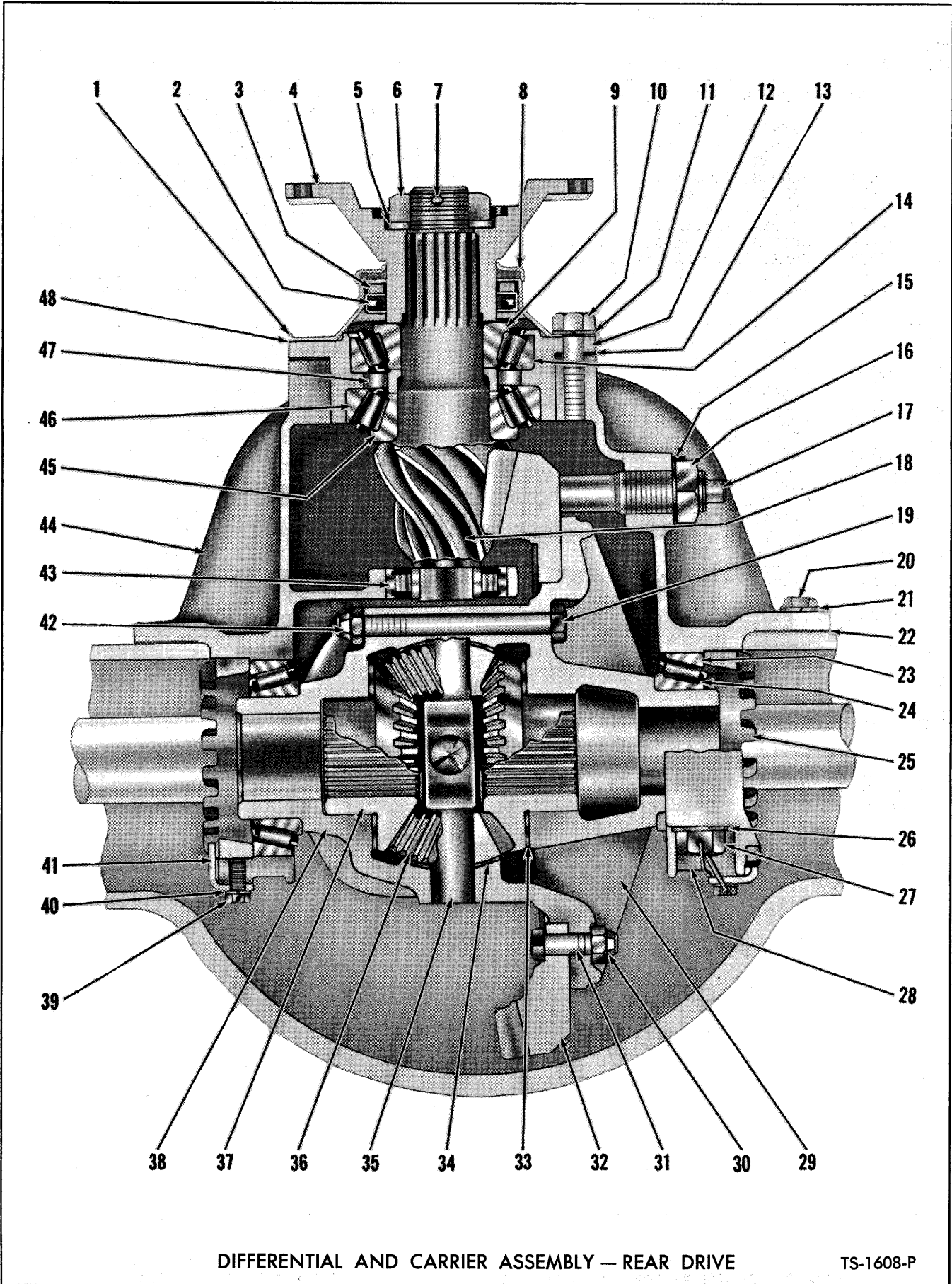
FRONT DRIVE AND REAR DRIVE AXLE ASSEMBLIES

TS-206-P



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

TS-1802-P



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE

TS-1608-P

DIFFERENTIAL AND CARRIER ASSEMBLY - REAR DRIVE

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	815509	DIFF. & CARRIER ASSY. (Inc. 1 thru 48).....	1	23	675249	CUP, Differential Bearing....	2
1	100942	RETAINER, Pinion Oil Seal...	1	24	675248	CONE, Differential Bearing..	2
2	111720	SEAL, Pinion Oil.....	1	25	100940	NUT, Differential Adjusting.	2
3	100945	GASKET, Pinion Oil Seal....	1	26	102766	WASHER, Carrier Cap.....	4
4	106081	FLANGE, Companion.....	1	27	100937	BOLT, Carrier Cap.....	4
5	119298	WASHER, Pinion Shaft.....	1	28	-----	%CAP, Differential Carrier- See 44.....	2
6	100950	NUT, Pinion Shaft.....	1	29	-----	%DIFF CASE-Flanged Half - See 52.....	1
7	1F-428	COTTER, Pinion Shaft.....	1	30	104182	NUT, Ring Gear.....	12
8	100949	SHIELD, Pinion Dust.....	1	31	100176	BOLT, Ring Gear.....	12
9	710288	CONE, Outer Pinion Bearing..	1	32	-----	%RING GEAR - See 51.....	1
10	1C-928	BOLT, Oil Seal Retainer....	5	33	100173	WASHER, Side Gear Thrust....	2
10A	1C-828	BOLT, Oil Seal Retainer Locating.....	1	34	100172	WASHER, Diff. Pinion Thrust.	4
11	4E-09	LKWSHR, Oil Seal Retainer... 5		35	100171	SPIDER, Differential.....	1
11A	4E-08	LKWSHR, Oil Seal Retainer Locating.....	1	36	815744	*PINION, Kit, Diff.....	1
12	100938	CAGE ASSY, Pinion Bearing (Inc. 14).....	1	37	100170	GEAR, Differential Side....	2
13	112354	SHIM, Bearing Cage-.004....AR		38	-----	%DIFF CASE-Plain Half - See 52.....	1
13A	112355	SHIM, Bearing Cage-.007....AR		39	3C-614	BOLT, Adjusting Nut Lock....	2
13B	112356	SHIM, Bearing Cage-.010....AR		40	4E-06	LKWSHR, Adjusting Nut Lock..	2
14	675257	CUP, Outer Pinion Bearing... 1		41	100941	LOCK, Adjusting Nut.....	2
15	100954	LOCK, Thrust Screw.....	1	42	104182	NUT, Differential Case.....	8
16	8D-14	NUT, Thrust Screw.....	1	43	675536	BEARING, Inner Pinion.....	1
17	100953	SCREW, Thrust.....	1	44	106042	CARRIER ASSY, Diff. (Inc. 26, 27, 28).....	1
18	-----	%PINION - See 51.....	1	45	667277	CONE, Center Pinion Bearing.	1
19	100174	BOLT, Differential Case.....	8	46	667278	CUP, Center Pinion Bearing..	1
20	2D-07	NUT, Carrier to Axle Housing.....	14	47	815040	SPACER & SHIM KIT, Pinion Bearing.....	1
21	4E-07	LKWSHR, Carrier to Axle Housing.....	14	48	100943	GASKET, Oil Seal Retainer... 1	
22	101004	GASKET, Carrier to Axle Housing.....	1	49	124995	DIFFERENTIAL ASSY (Inc. 18, 19, 29thru 38, 42)....	1
22A	109145	#STUD, Carrier to Axle Housing.....	6	50	100160	DIFF BODY SUB-ASSY (Inc. 19, 29, 33 thru 38, 42)....	1
22B	109146	#STUD, Carrier to Axle Housing.....	8	51	815204	RING GEAR & PINION SET (Inc. 18, 32).....	1
				52	815203	DIFF CASE KIT (Inc. 29, 38).	1

*NOTE: 815744 P. nion Kit includes 4 # 100169 Pinions.

- Not Illustrated
AR - As Required
% - Not Sold Separately

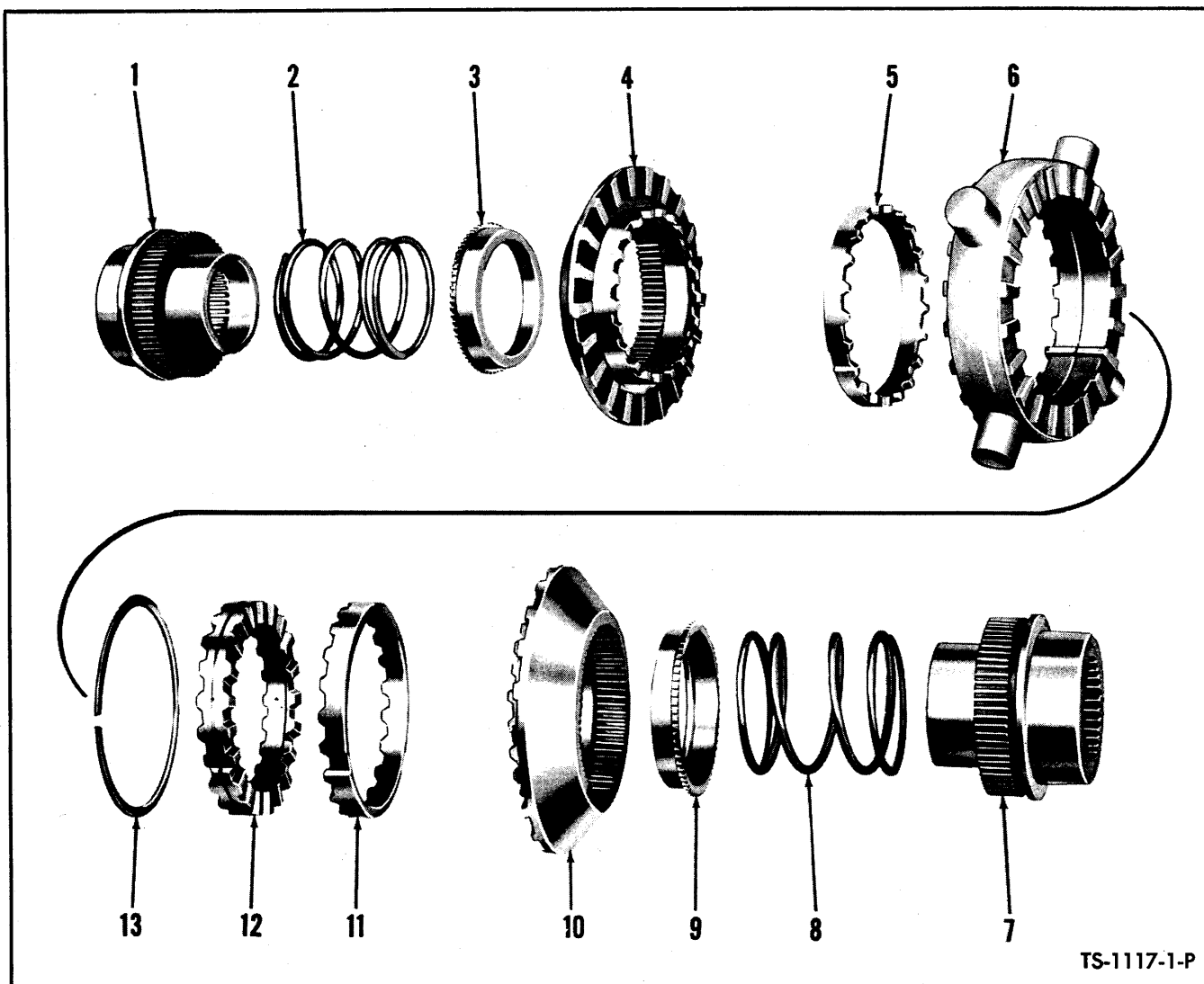
NOTES

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

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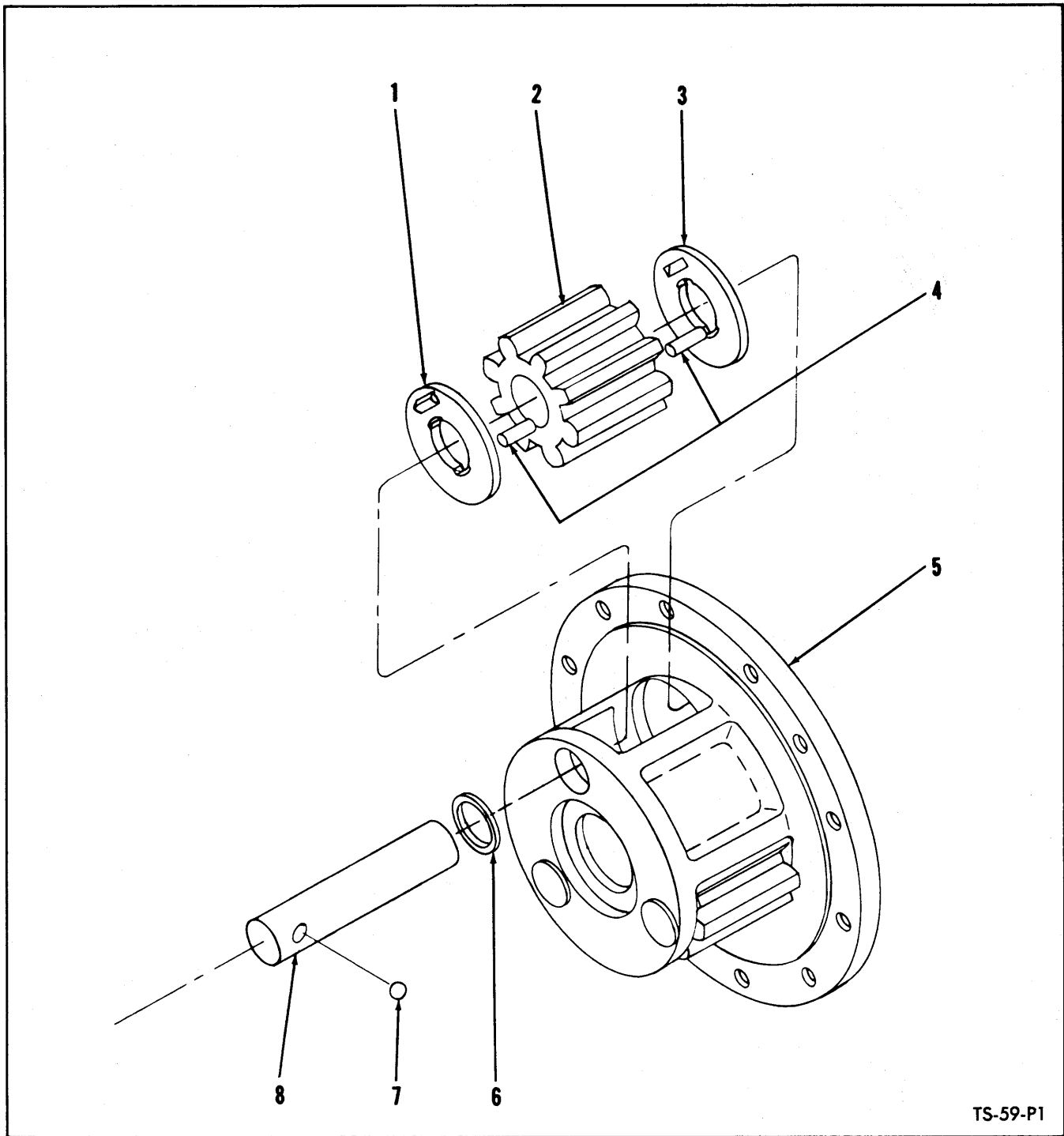


TS-1117-1-P

NO-SPIN DIFFERENTIAL UNIT

Item No.	Part No.	Description	No. Req'd.
A	107353	NO-SPIN UNIT (Inc. 1 thru 13)	1
1	944964	GEAR, Side (Inc. 2)	1
2	945808	SPRING	1
3	942510	RETAINER, Spring	1
4	942508	CAM & CLUTCH	1
5	960511	RING, Holdout	1
6	942505	SPIDER	1
7	945808	GEAR, Side (Inc. 8)	1
8	942509	SPRING	1
9	942510	RETAINER, Spring	1
10	942508	CAM & CLUTCH	1
11	942512	RING, Holdout	1
12	942506	CENTER CAM	1
13	942507	RING, Snap	1

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



TS-59-P1

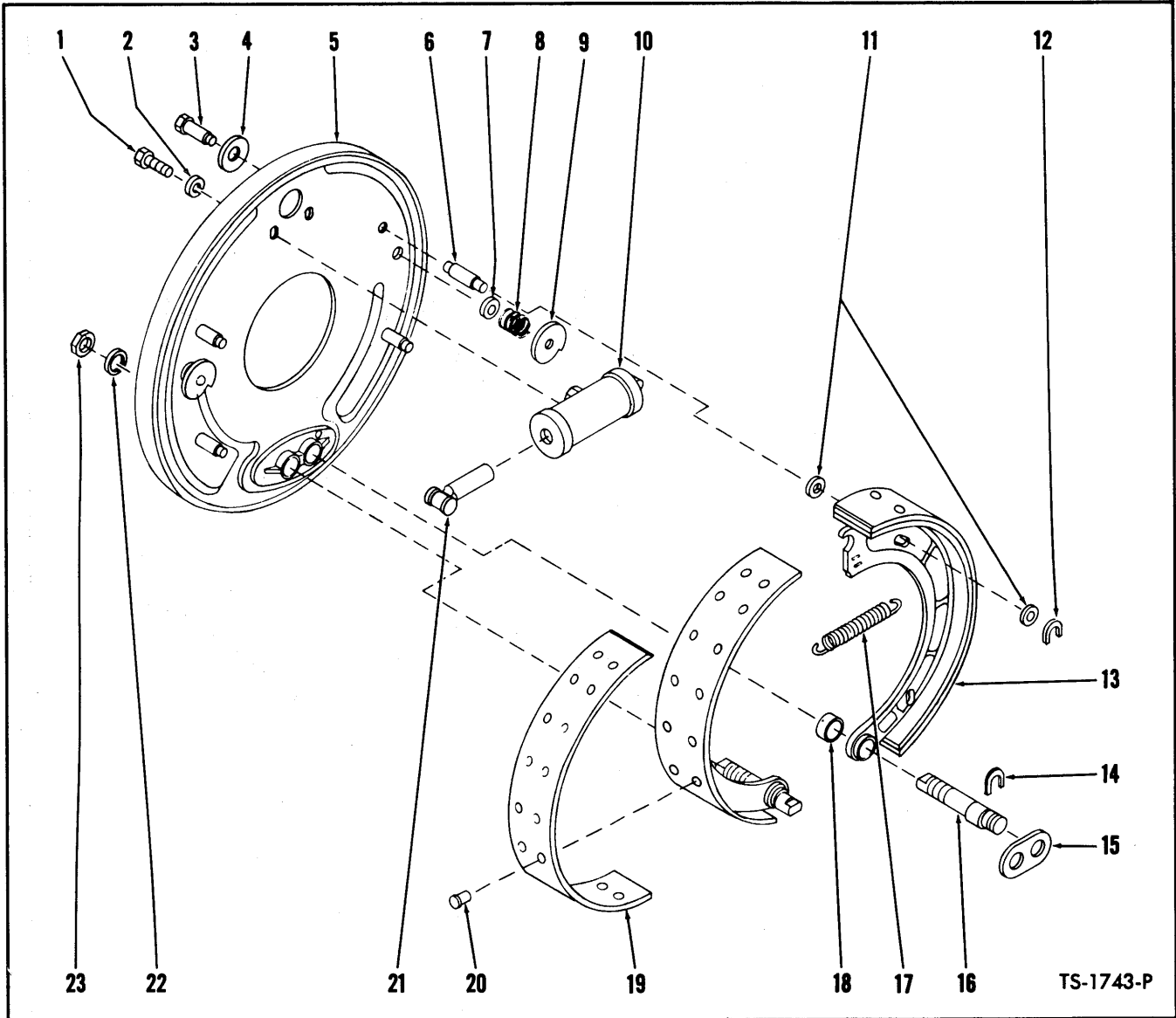
PLANET SPIDER ASSEMBLY

4 Planet Spiders used on machine-Quantities indicated are for 1 Planet Spider

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	945608	*SPIDER KIT, (Inc. 1 thru 8.	1	5	106347	SPIDER, Planet.....	1
1	106350	WASHER, Pinion Thrust.....	3	6	106352	SPACER, Roller.....	3
2	109088	PINION, Planet.....	3	7	10J-12	BALL, Pinion Shaft Lock.....	3
3	106350	WASHER, Pinion Thrust.....	3	8	106349	SHAFT, Pinion.....	3
4	106351	ROLLER, Pinion.....	174				

*NOTE: 945608 Kit also includes 5 each of 112287 Dowels, 116419 Studs and 64D-08 Nuts that replace 5 bolts on Axle from Planet Spider to Hub.

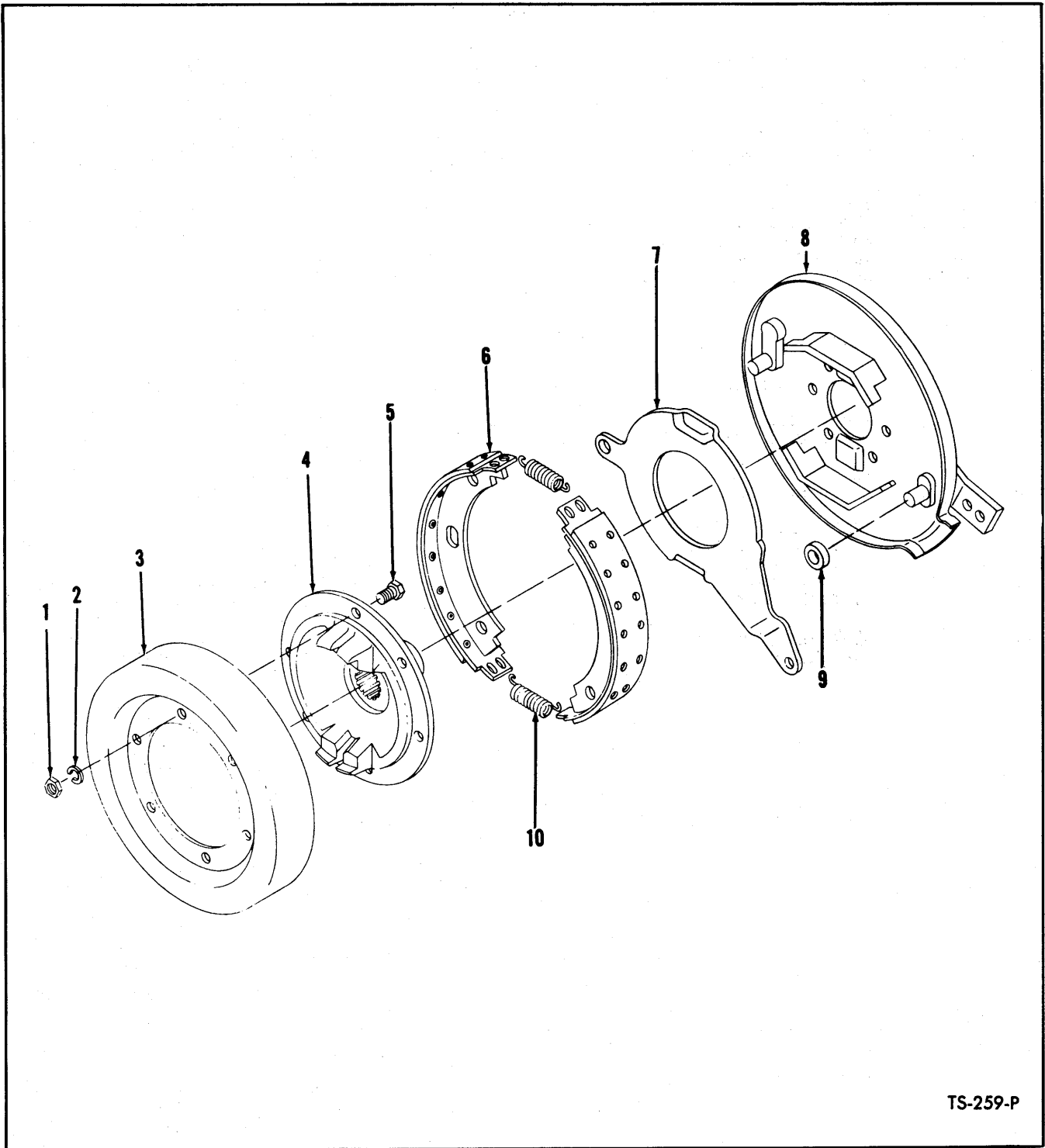
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BRAKE ASSEMBLY - FRONT & REAR

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	110936	*BRAKE ASSY (Inc. 1 thru 23) *NOTE: 4 Brake Assy's used on machines-Quantities listed below are for 1 Brake Assy.	4	12	100878	"C" WASHER, Guide Pin.....	4
1	1C-610	BOLT, Cylinder to Brake Disc	2	13	118254	SHOE ASSY, Brake (Inc. 18, 19, 20B).....	2
2	4E-06	LKWSHR, Cylinder to Brake Disc.....	2	14	101332	"C" WASHER, Anchor Pin.....	2
3	109567	PIN, Cam.....	2	15	106970	STRUT, Anchor Pin.....	1
4	100867	WASHER, Cam Pin.....	2	16	106969	PIN, Brake Shoe Anchor.....	2
5	106586	DISC ASSY, Brake (Inc. 3, 4, 6 thru 9).....	1	17	106216	SPRING, Brake Shoe Return.....	1
6	106373	PIN, Guide.....	4	18	201966	BUSHING, Brake Shoe.....	2
7	851771	WASHER, Cam Spring.....	2	19	944217	LINING & RIVET KIT (Inc 20B)..	1
8	943859	SPRING, Cam.....	2	20		RIVET, Lining to Shoe	
9	100864	CAM, Shoe Adjusting.....	2	20A	106184	For use with 108147 Lining and Shoes with 5/32" rivet holes..	36
10	110449	CYLINDER, Wheel.....	1	20B	3H-1216	For use with 944217 Lining & Shoes with 13/64" rivet holes..	36
11	102322	WASHER, Guide Pin.....	8	21	958553	LINK, Wheel Cylinder Connector	2
				22	4E-12	LKWSHR, Anchor Pin.....	2
				23	2D-12	NUT, Anchor Pin.....	2

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

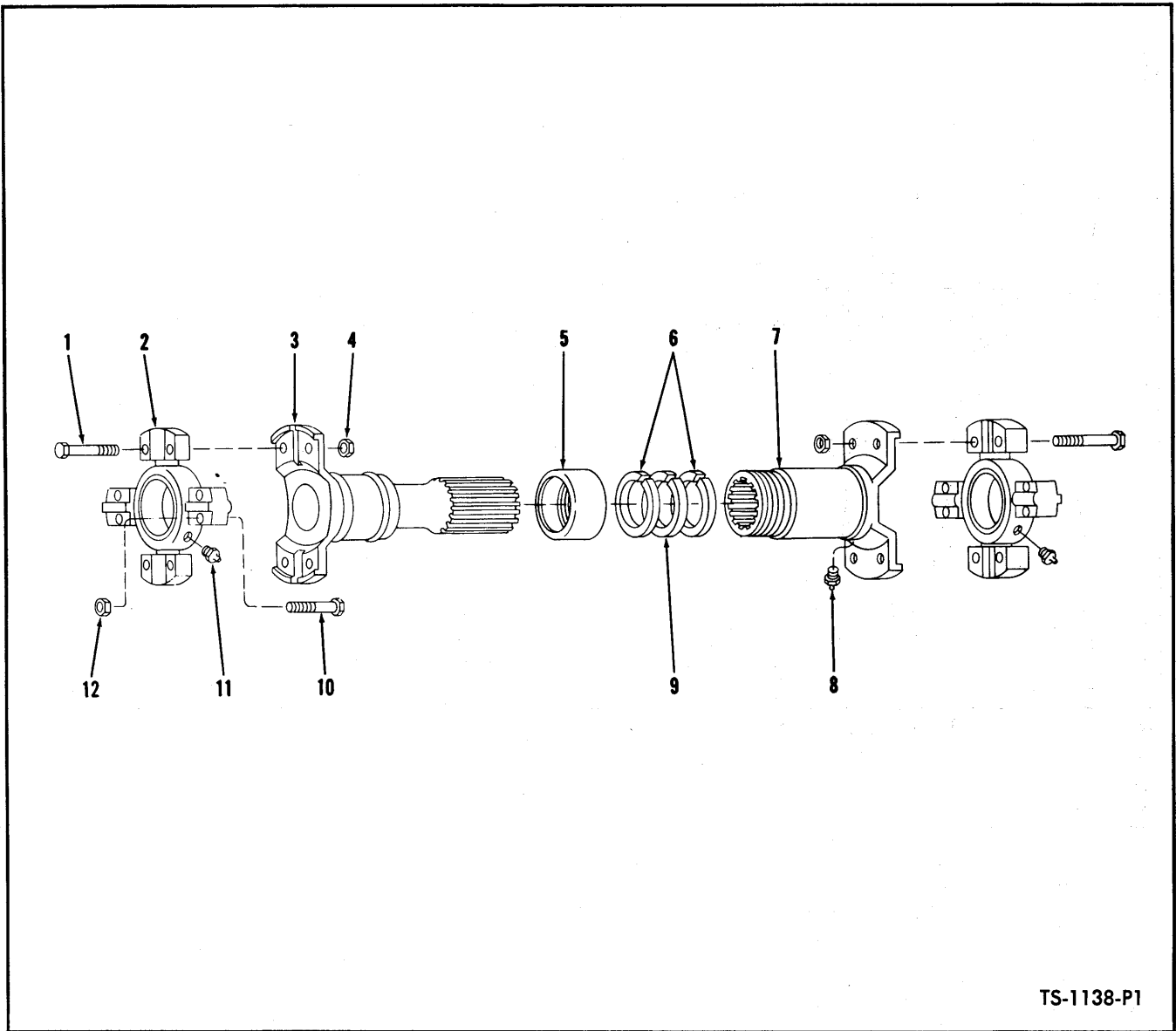


TS-259-P

PARKING BRAKE ASSEMBLY

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	107264	BRAKE ASSY (Inc. 6 thru 10).	1	6A	942405	LINING KIT, Brake Shoe.....	2
1	2D-06	NUT, Flange to Drum.....	6	6B	945051	RIVET, Lining to Shoe.....	28
2	2E-06	LKWSHR, Flange to Drum.....	6	7	220965	LEVER, Brake Operating Cam..	1
3	107261	DRUM, Parking Brake.....	1	8	872714	PLATE, Brake Back.....	1
4	107262	FLANGE, Companion.....	1	9	220968	ROLLER, Brake Operating Cam.	1
5	101144	BOLT, Flange to Drum.....	6	10	220969	SPRING, Brake Shoe Return...	2
6	872712	SHOE ASSY, Brake (Inc. 6A & 6B).....					

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



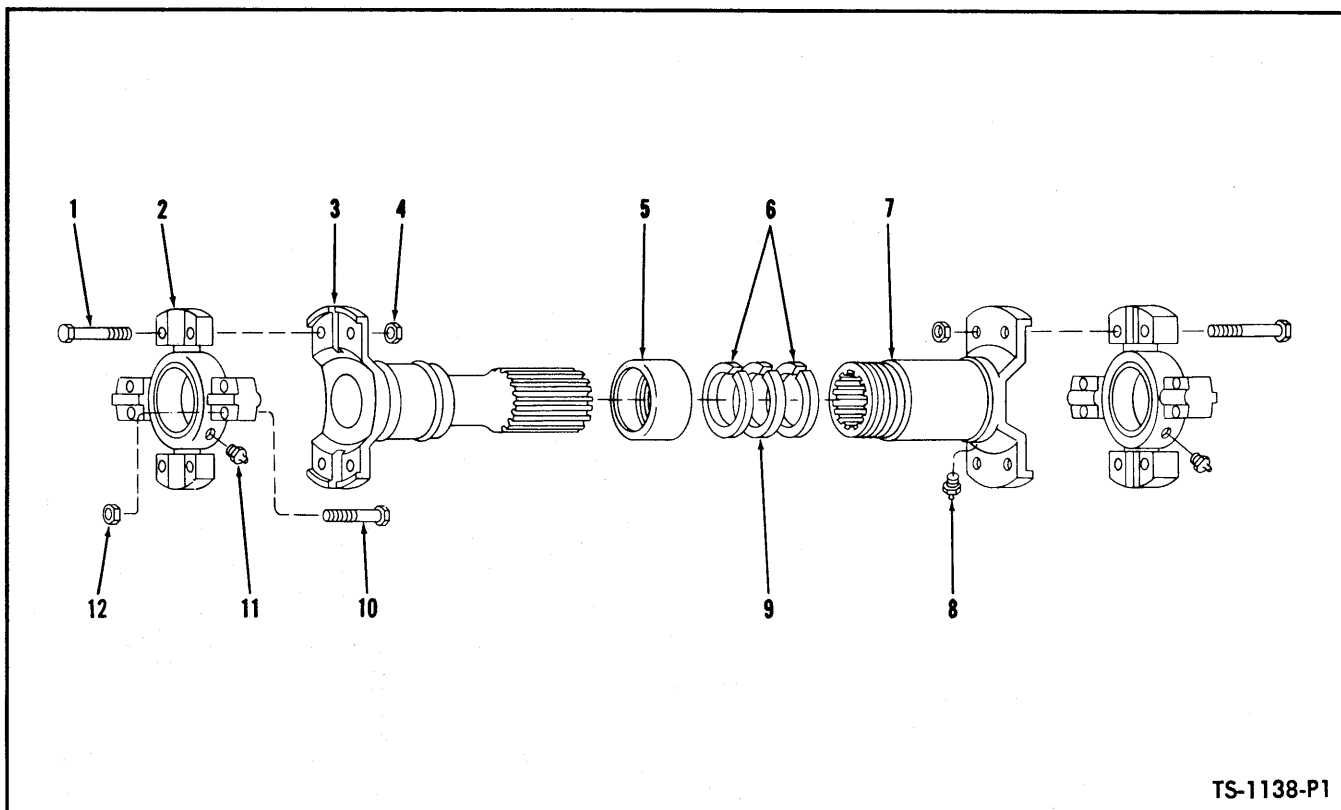
TS-1138-PI

PROP SHAFT - CONVERTER TO TRANSMISSION

COLUMN 1 FOR USE WITH SERIAL 5125 thru 5128, 5130
 COLUMN 2 FOR USE WITH SERIAL 5123, 5129, 5131, 5132, 5139 thru 5142
 COLUMN 3 FOR USE WITH SERIAL 5124, 5133, 5137, 5138
 COLUMN 4 FOR USE WITH SERIAL 5143 and thereafter

ITEM NO.		NO. REQ'D	COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
A	PROP SHAFT ASSEMBLY	1	512818	521778	526000	528527
1	BOLT, Spider & Bearing Attaching	8	695808	695808	695808	695808
2	SPIDER & BEARING	2	887737	887737	887737	887737
3	TUBE	1	944512	944511	944510	944169
4	NUT, Spider & Bearing Attaching	8	8D-05	8D-05	8D-05	8D-05
5	RETAINER, Felt	1	940654	940654	940654	940654
6	WASHER, Felt Retainer	2	940653	940653	940653	940653
7	SLIP YOKE	1	942658	942658	942658	942658
8	FITTING, Slip Yoke Grease	1	10H-25	10H-25	10H-25	10H-25
9	WASHER, Felt	1	940081	940081	940081	940081
10	BOLT, Spider & Bearing Attaching	8	695808	695808	695808	695808
11	FITTING, Spider Grease	2	10H-35	10H-35	10H-35	10H-35
12	NUT, Spider & Bearing Attaching	8	8D-05	8D-05	8D-05	8D-05

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



TS-1138-P1

PROPELLER SHAFT - AXLE TO TRUNNION SHAFT

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	512820	PROP SHAFT (Inc. 1 thru 7, 9, 10 & 12).....	1	6	940091	WASHER, Felt Retainer.....	2
1	940089	BOLT, Spider & Bearing Attaching.....	8	7	944170	SLIP YOKE.....	1
2	944862	SPIDER & BEARING	2	8	10H-25	FITTING, Slip Yoke Grease... 1	1
3	875176	TUBE.....	1	9	940092	WASHER, Felt.....	1
4	8D-06	NUT, Spider & Bearing Attaching.....	8	10	940089	BOLT, Spider & Bearing Attaching.....	8
5	940090	RETAINER, Felt.....	1	11	10H-35	FITTING, Spider & Bearing Grease.....	2
				12	8D-06	NUT, Spider & Bearing Attaching.....	8

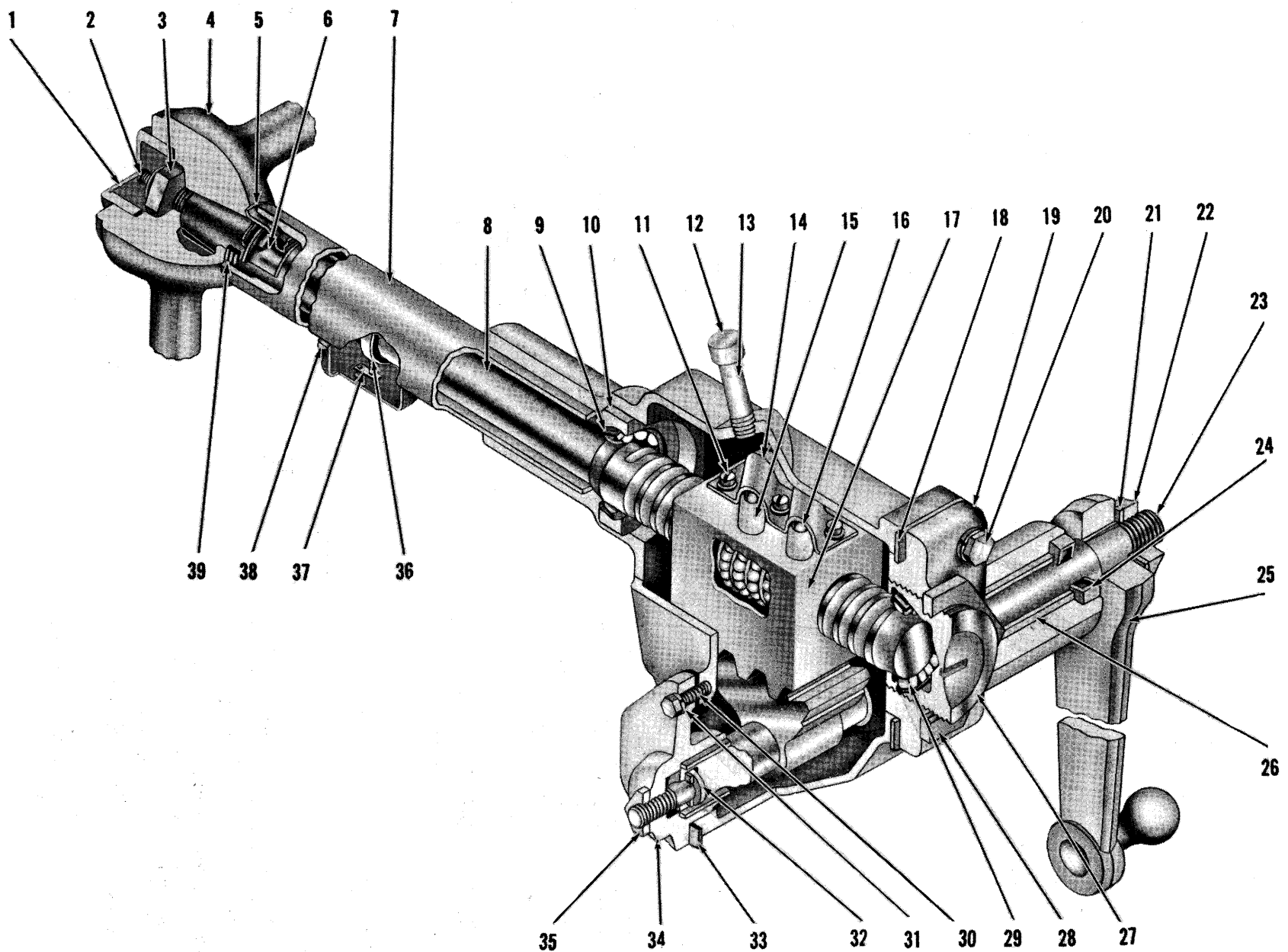
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PROPELLER SHAFT - AXLES

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	512819	PROP SHAFT (Inc. 1 thru 7, 9, 10 & 12).....	2	5	940090	RETAINER, Felt.....	1
*NOTE: 2 Prop Shafts used on machines- Quantities indicated below are for 1 Prop Shaft				6	940091	WASHER, Felt Retainer.....	2
1	940089	BOLT, Spider & Bearing Attaching.....	8	7	940093	SLIP YOKE.....	1
2	944862	SPIDER & BEARING	2	8	10H-25	FITTING, Slip Yoke Grease... 1	1
3	944112	TUBE.....	1	9	940092	WASHER, Felt.....	1
4	8D-06	NUT, Spider & Bearing Attaching.....	8	10	940089	BOLT, Spider & Bearing Attaching.....	8
				11	10H-35	FITTING, Spider & Bearing Grease.....	2
				12	8D-06	NUT, Spider & Bearing Attaching.....	8

- Not Illustrated

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

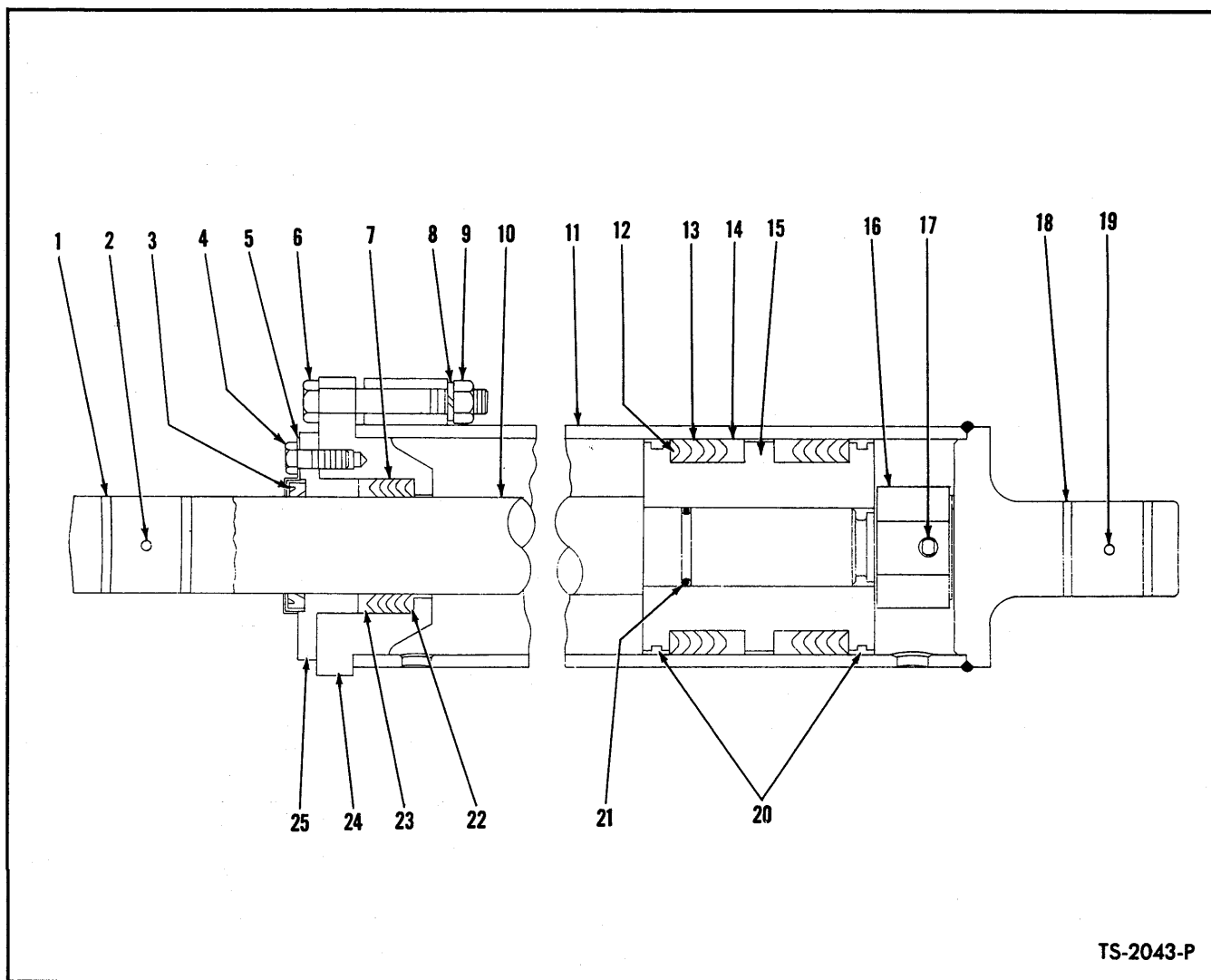


STEERING GEAR ASSEMBLY — FRONT AND REAR

TS-1282-P

[40]

PM-1439



TS-2043-P

STEERING CYLINDER

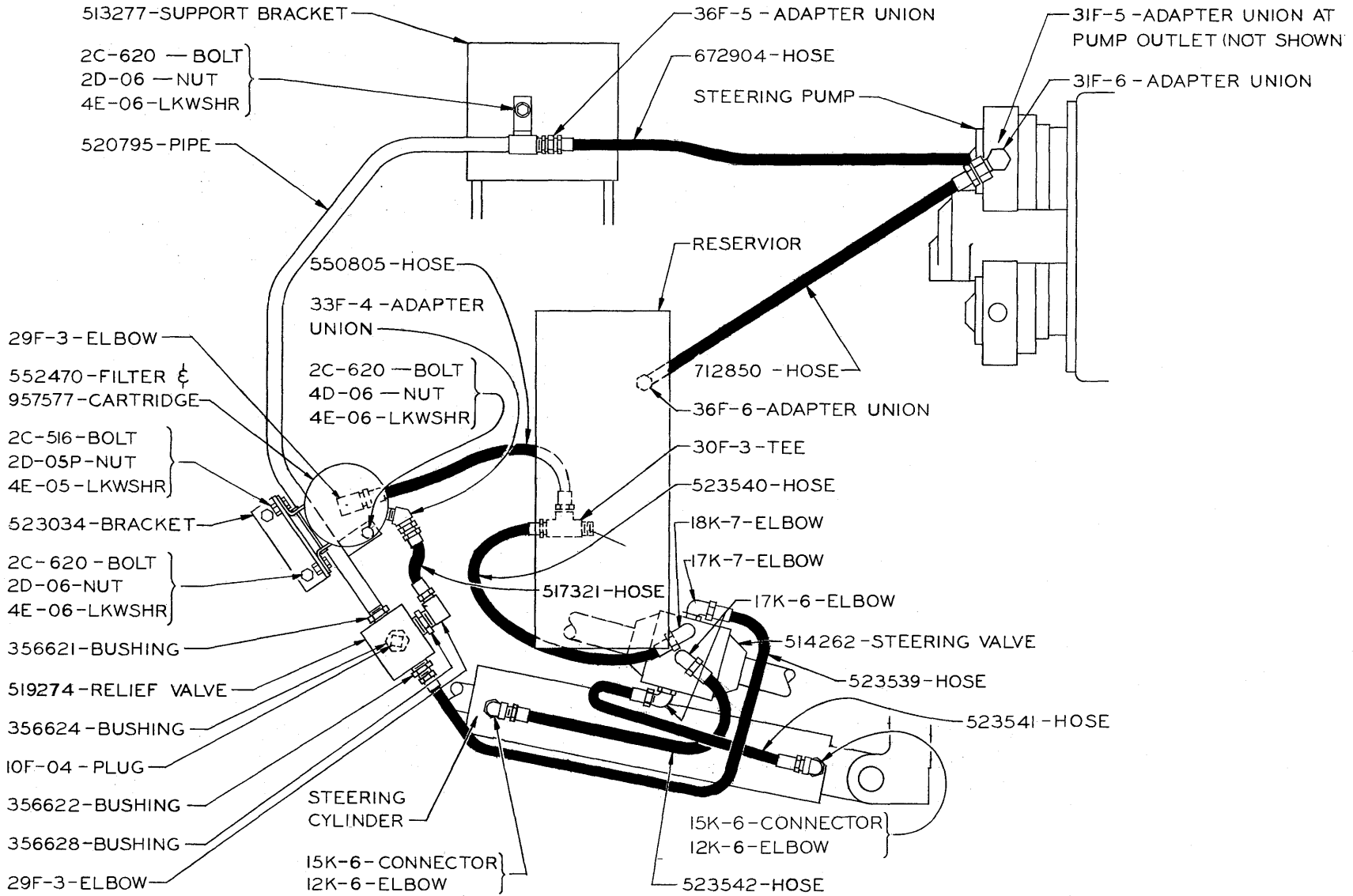
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	512910	CYLINDER ASSY (Inc. 1 thru 25).....	1	15	512905	PISTON.....	1
1	550229	BUSHING, Piston Rod.....	1	16	551605	NUT, Piston Rod.....	1
2	10H-25	FITTING, Piston Rod Grease..	1	17	1F-648	COTTER, Piston Rod Nut.....	1
3	550088	WIPER, Piston Rod.....	1	18	550229	BUSHING, Cylinder Base....	1
4	4C-616	BOLT, Wiper Retainer.....	4	19	10H-25	FITTING, Cylinder Grease....	1
5	550089	RETAINER, Piston Rod Wiper..	1	20	550081	RING, Piston Wear.....	2
6	2C-856	BOLT, Cylinder Cap.....	4	21	25K-40112	"O" RING, Piston Rod.....	1
7	531615	**PACKING SET, Cylinder Cap... 1	1	22	552487	**ADAPTER, Male Chevron Packing.....	1
8	4E-08	LKWSHR, Cylinder Cap.....	4	23	552486	**ADAPTER, Female Chevron Packing.....	1
9	62D-08	NUT, Cylinder Cap.....	4	24	550085	*CAP, Cylinder.....	1
10	512906	ROD ASSY, Piston (Inc 1)....	1	25	550087	GLAND, Packing.....	1
11	512902	CYLINDER (Inc. 18).....	1	26	514251	#PIN, Cylinder to Front Frame.....	1
12	514740	ADAPTER, Male Chevron Packing.....	2	27	2C-652	#BOLT, Pin Retaining.....	1
13	532272	PACKING SET, Piston.....	2	28	2D-06	#NUT, Pin Retaining.....	1
14	514741	ADAPTER, Female Chevron Packing.....	2	29	4E-06	#LKWSHR, Pin Retaining.....	1

*NOTE: For replacement of 550085 Cap use 945113 Cap Assy plus one (1) 544893 Adapter. 945113 Cap Assy includes on (1) 25K-40408 O-Ring and one (1) 73K-244 Back-up Ring.

**NOTE: When replacing item 7, 22, or 23, use 1-2501107 Chevron Packing Assy.

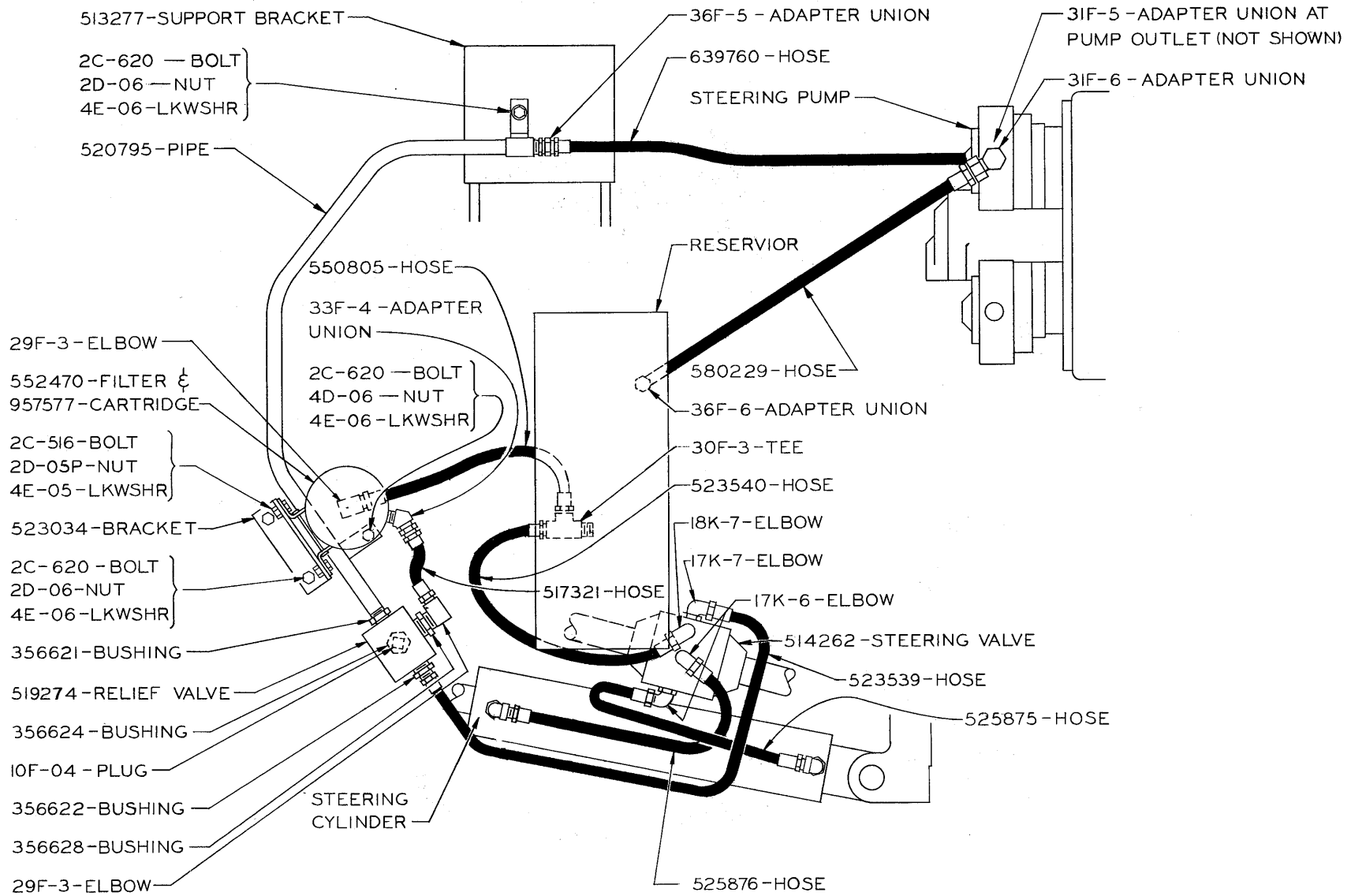
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WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



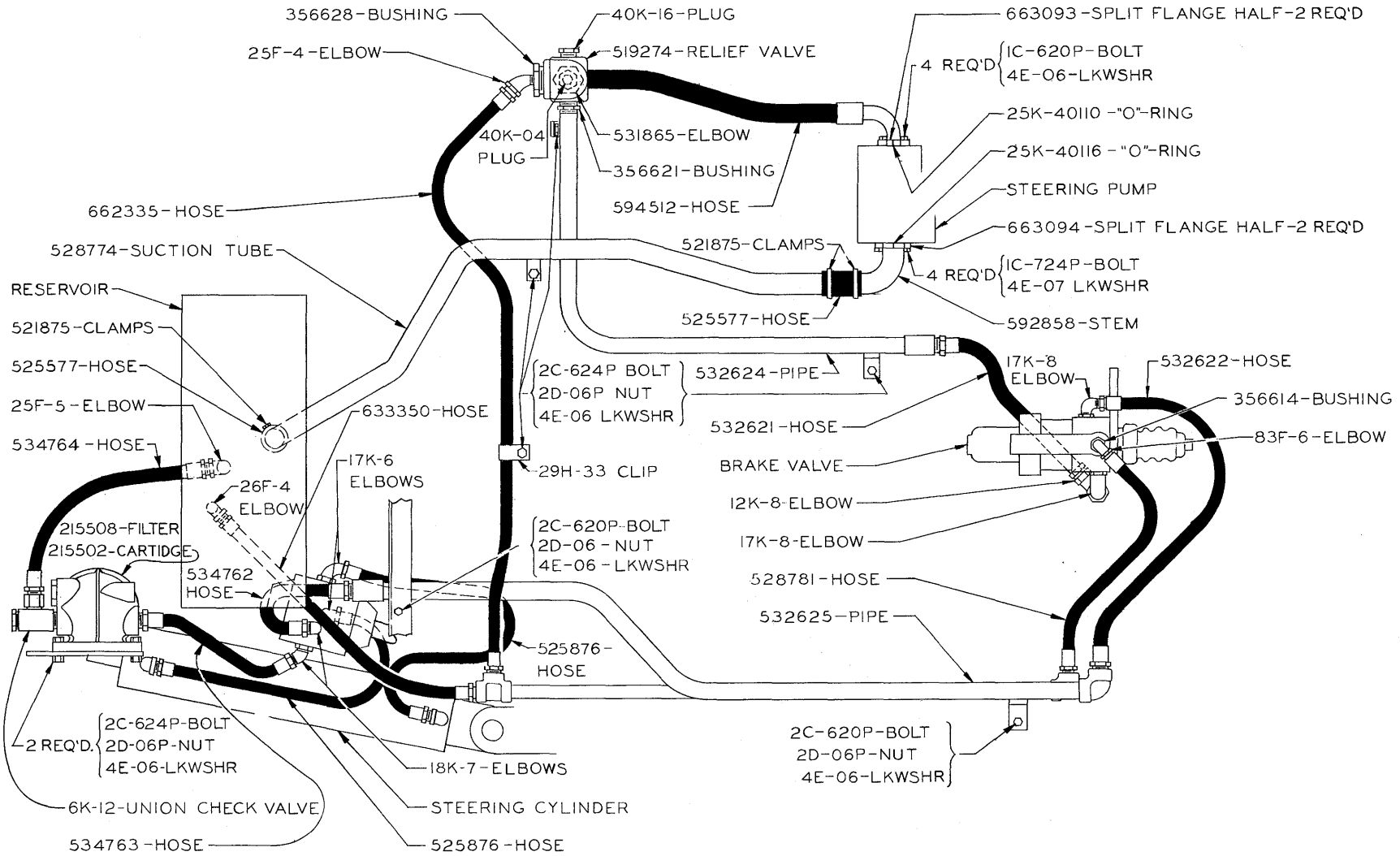
HYDRAULIC SYSTEM — STEERING
For Serial 5125 thru 5128, 5130

TS-2048-P



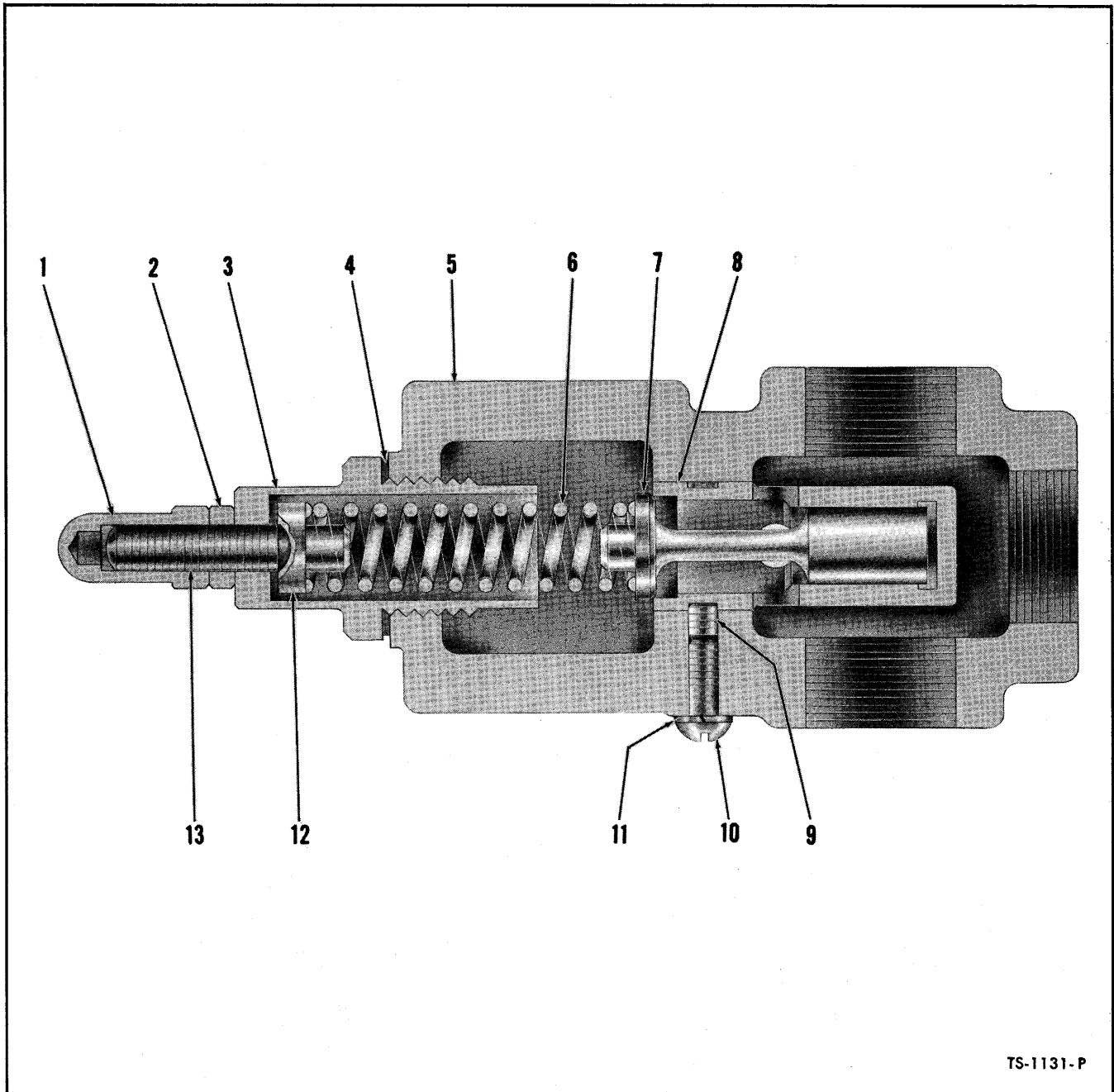
HYDRAULIC SYSTEM — STEERING
For Serial 5123, 5124, 5129, 5131 thru 5142

TS-2018-P



HYDRAULIC SYSTEM — STEERING
 For Serial 5143 and thereafter

TS-2036-P



TS-1131-P

STEERING PRESSURE RELIEF VALVE

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	519274	VALVE ASSY (Inc. 1 thru 13).	1	7	940032	PLUNGER, Valve.....	1
1	863045	NUT, Acorn.....	1	8	940033	SEAT, Valve.....	1
2	8D-06	NUT, Jam.....	1	9	15G-506	SET SCREW, Relief Valve Seat	1
3	940025	CAP, Valve.....	1	10	863052	SCREW, Relief Valve Seat....	1
4	940031	GASKET, Valve Cap.....	1	11	863053	GASKET.....	1
5	943484	HOUSING, Valve.....	1	12	940029	GUIDE, Spring.....	1
6	943486	SPRING.....	1	13	940028	SCREW, Adjusting.....	1

HYDRAULIC OIL RESERVOIR

For serial 5123, 5124, 5129, 5131, 5132, 5133, 5137, 5138, 5139, 5141

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	525279	RESERVOIR, Hydraulic Oil....	1	7	4E-06	LKWSHR, Inspection Cover....	6
2	604639	CAP, Reservoir Breather....	1	8	2C-612	BOLT, Reservoir - 3/8 - 24 X 3/4".....	2
3	550389	COVER, Reservoir Inspection.	1	9	2C-616	BOLT, Reservoir - 3/8-24x1".....	2
4	550398	RING, Inspection Cover Clamp	1	10	2D-06	NUT, Reservoir Bolt.....	4
5	25K-40428	"O" RING, Inspection Cover..	1	11	4E-06	LKWSHR, Reservoir Bolt.....	4
6	2C-616	BOLT, Inspection Cover.....	6				

HYDRAULIC OIL RESERVOIR

For serial 5125 thru 5128, 5130

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	525316	RESERVOIR, Hydraulic Oil....	1	4	2D-06	NUT, Reservoir Attaching....	4
2	604639	CAP, Reservoir Breather....	1	5	4E-06	LKWSHR, Reservoir Attaching.	4
3	2C-616	BOLT, Reservoir Attaching...	4	6	525293	MAGNET, Reservoir.....	1

HYDRAULIC OIL RESERVOIR

For serial 5140, 5142

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	529718	RESERVOIR, Hydraulic Oil....	1	7	4E-06	LKWSHR, Inspection Cover....	6
2	604639	CAP, Reservoir Breather....	1	8	2C-612	BOLT, Reservoir - 3/8 - 24 X 3/4".....	2
3	550389	COVER, Reservoir Inspection.	1	9	2C-616	BOLT, Reservoir-3/8-24x1"....	2
4	550398	RING, Inspection Cover Clamp.....	1	10	2D-06	NUT, Reservoir Bolt.....	4
5	25K-40428	"O" RING, Inspection Cover..	1	11	4E-06	LKWSHR, Reservoir Bolt.....	4
6	2C-616	BOLT, Inspection Cover.....	6				

HYDRAULIC OIL RESERVOIR

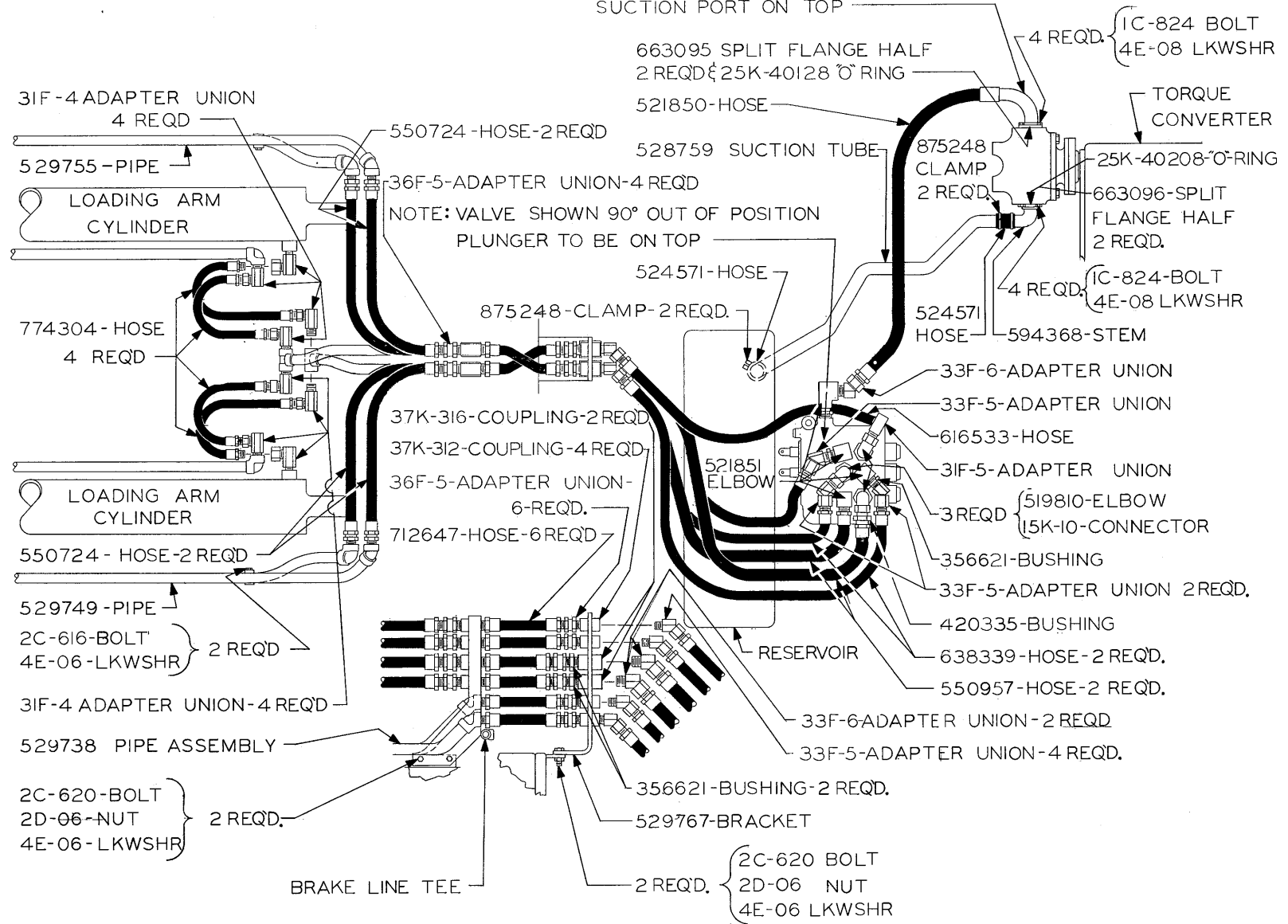
For serial 5145 and thereafter

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	528667	RESERVOIR, Hydraulic Oil....	1	9	23D-04	WING NUT, Strainer.....	1
2	604639	CAP, Reservoir Breather....	1	10	4E-04	LKWSHR, Strainer.....	1
3	550389	COVER, Reservoir Inspection.	1	11	2C-616	BOLT, Reservoir-3/8-24 X 1".....	1
4	550398	RING, Inspection Cover Clamp	1	12	2C-612	BOLT, Reservoir-3/8-24 X 3/4".....	4
5	25K-40428	"O" RING, Inspection Cover..	1	13	2D-06	NUT, Reservoir Bolt.....	5
6	2C-616	BOLT, Inspection Cover.....	6	14	4E-06	LKWSHR, Reservoir Bolt.....	5
7	4E-06	LKWSHR, Inspection Cover....	6	15	525293	MAGNET, Reservoir.....	1
8	527820	STRAINER, Reservoir.....	1				

NOTES

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

NOTE: PUMP SHOWN OUT OF POSITION
SUCTION PORT ON TOP

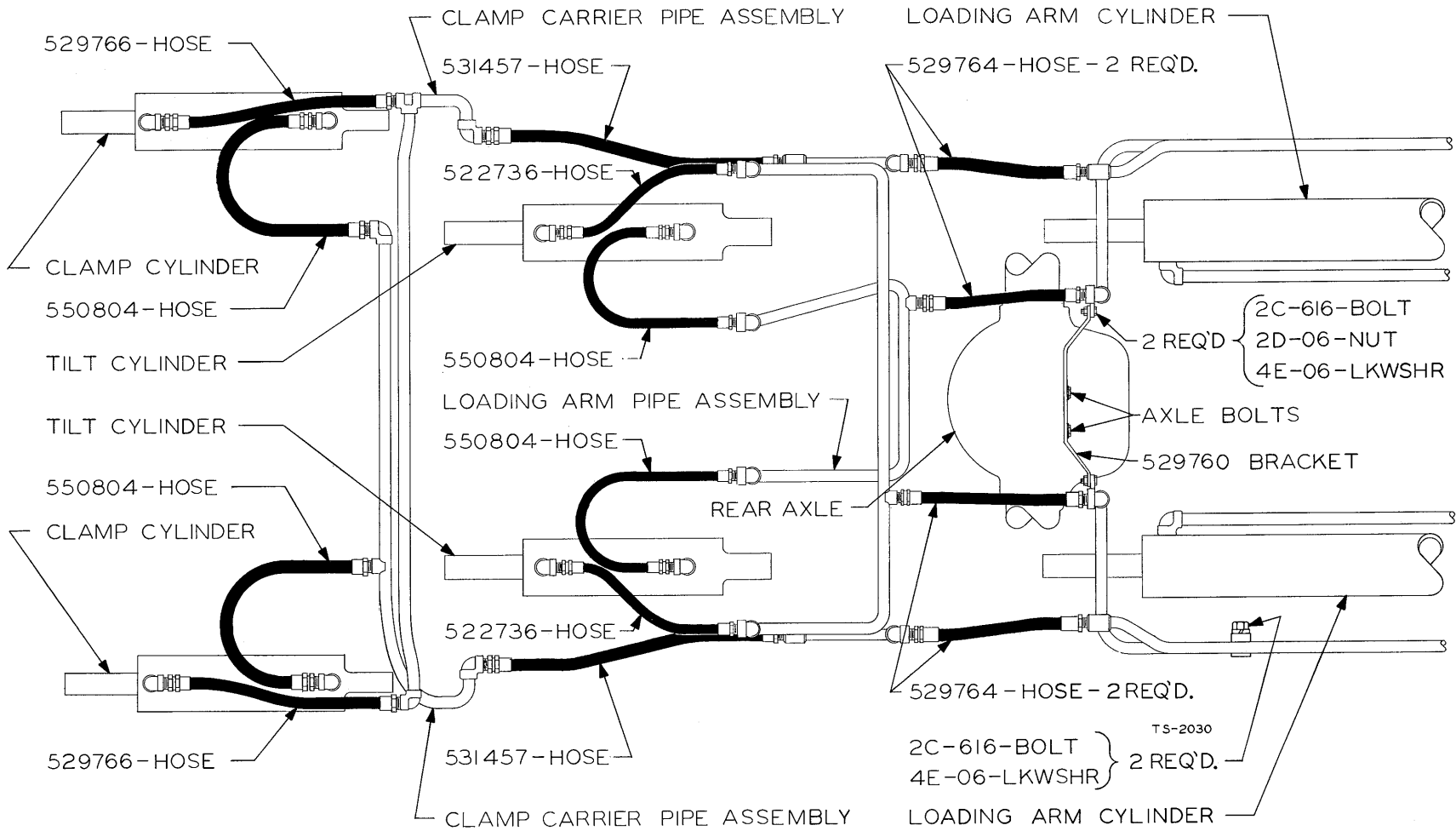


[50]

MAIN HYDRAULIC SYSTEM
For Serial 5125 thru 5128, 5130, 5140, 5142

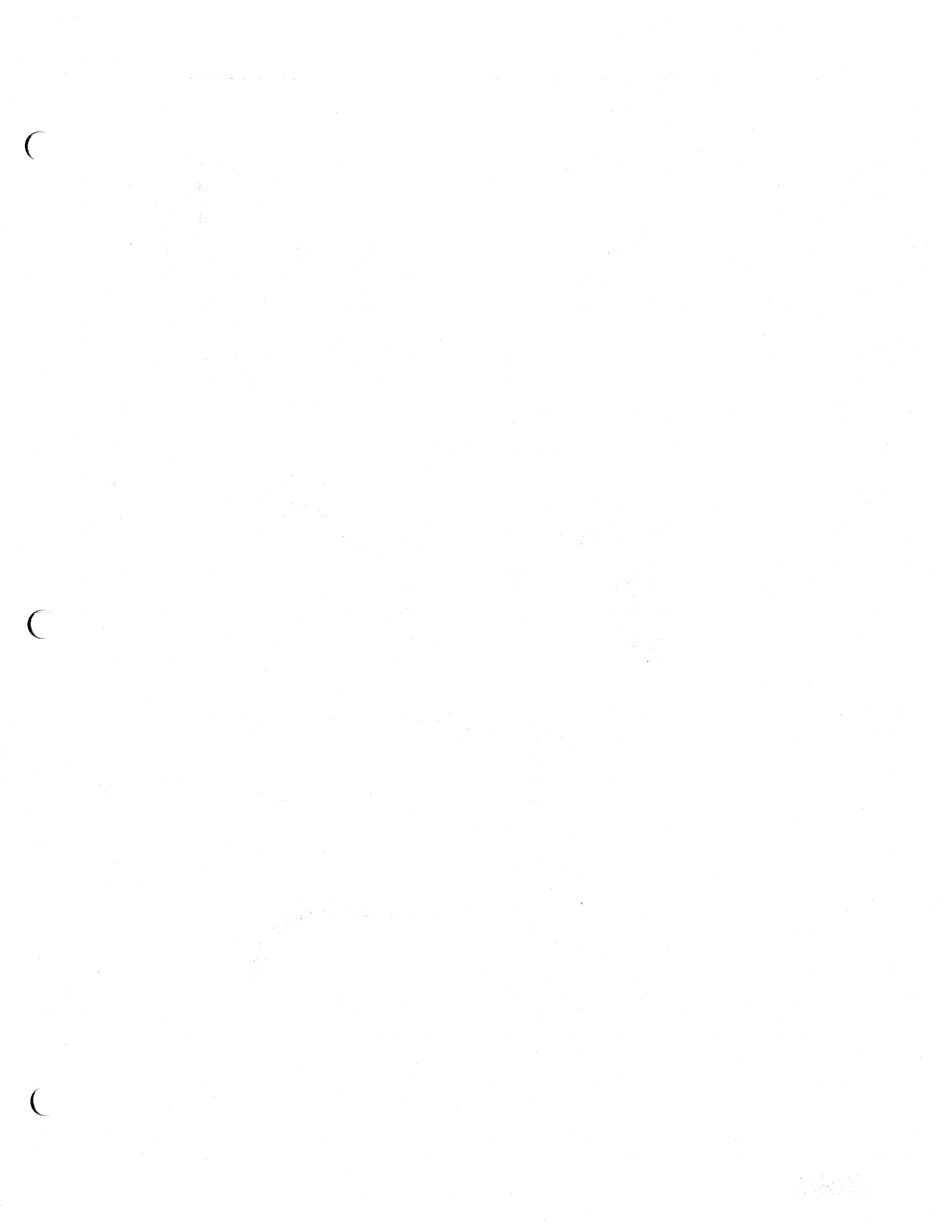
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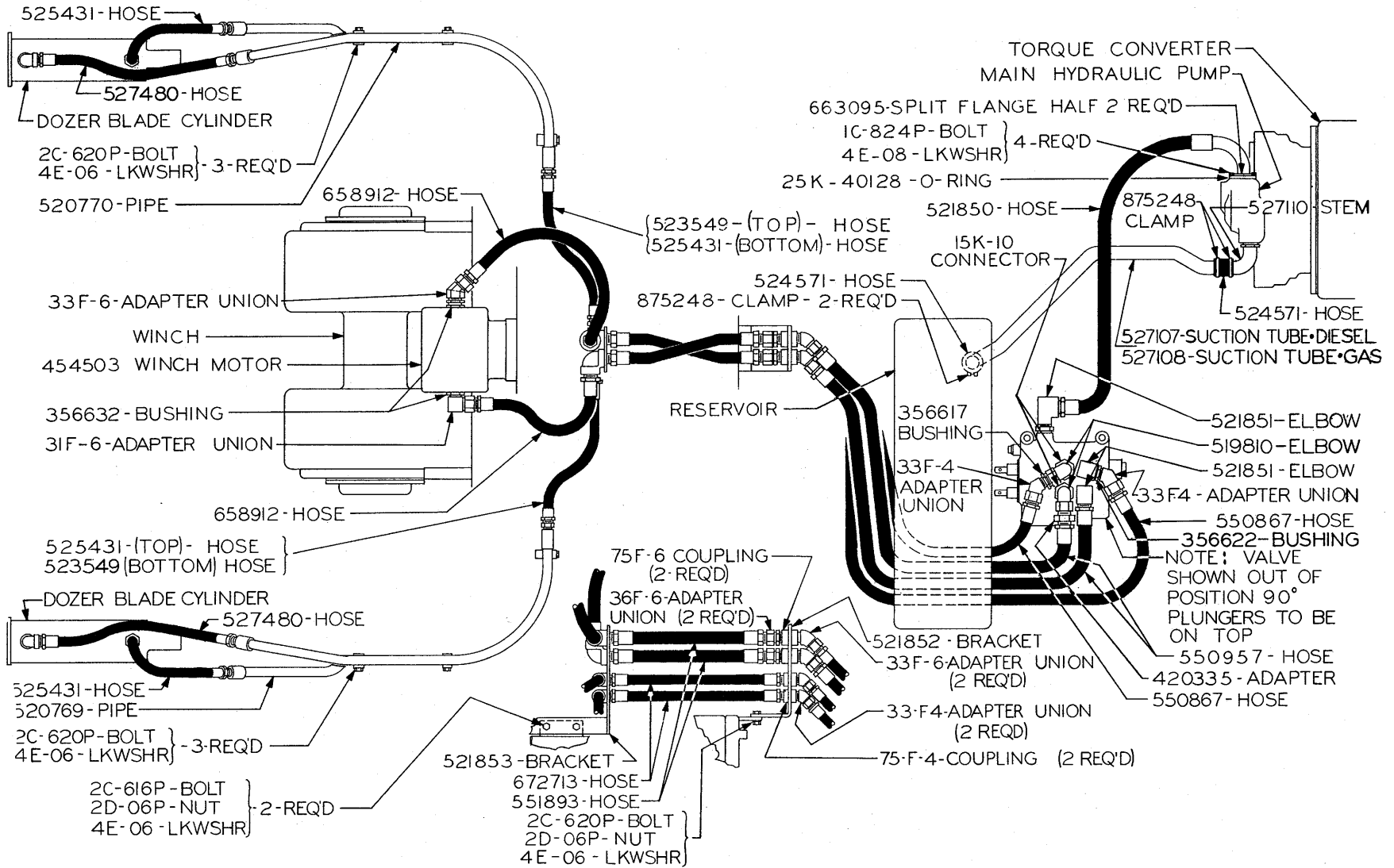
PM-1439



MAIN HYDRAULIC SYSTEM
 For Serial 5125 thru 5128, 5130, 5140, 5142

TS-2030-P

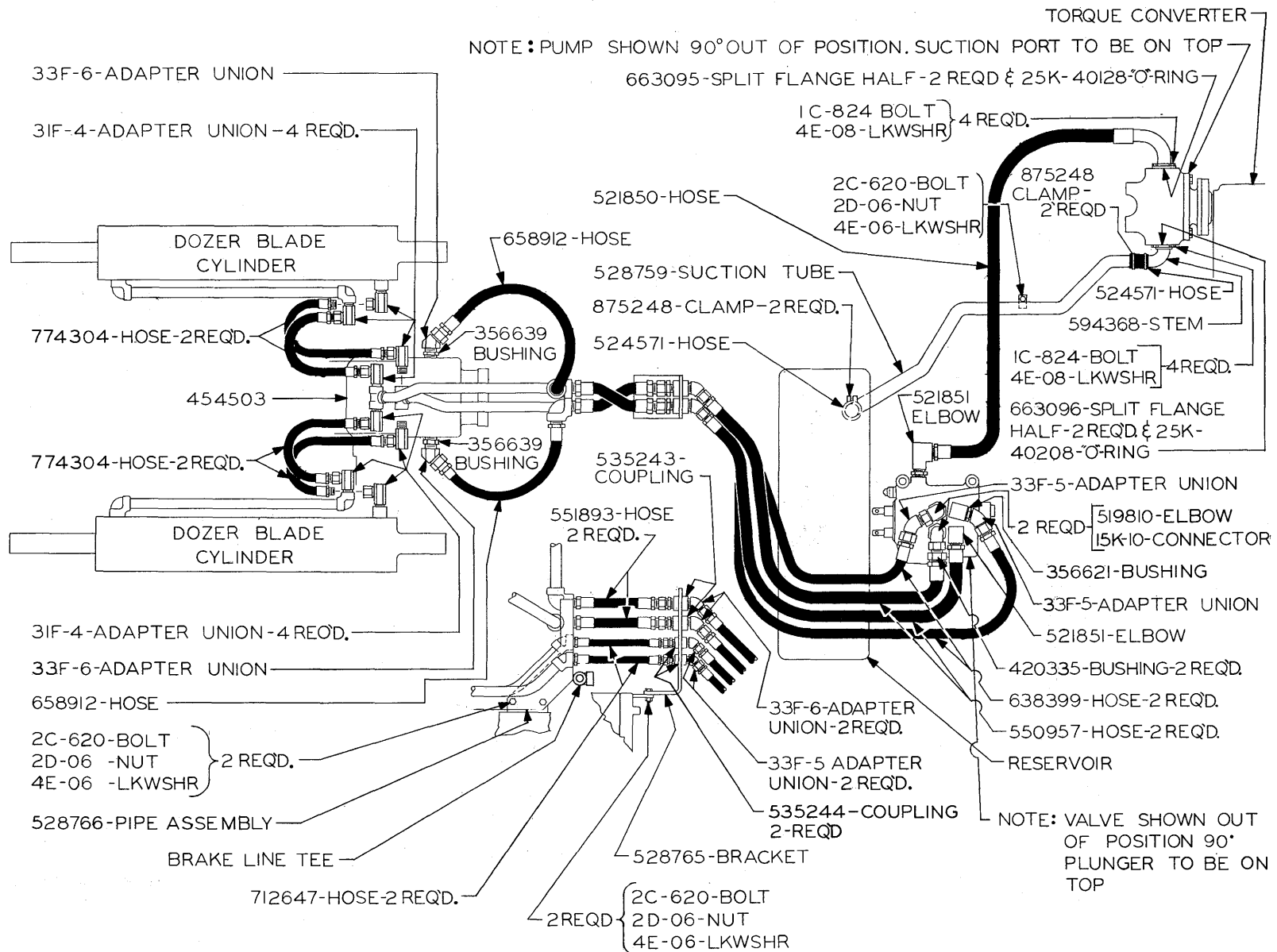




MAIN HYDRAULIC SYSTEM
For Serial 5123, 5124, 5129, 5131, 5132, 5133, 5137 thru 5142

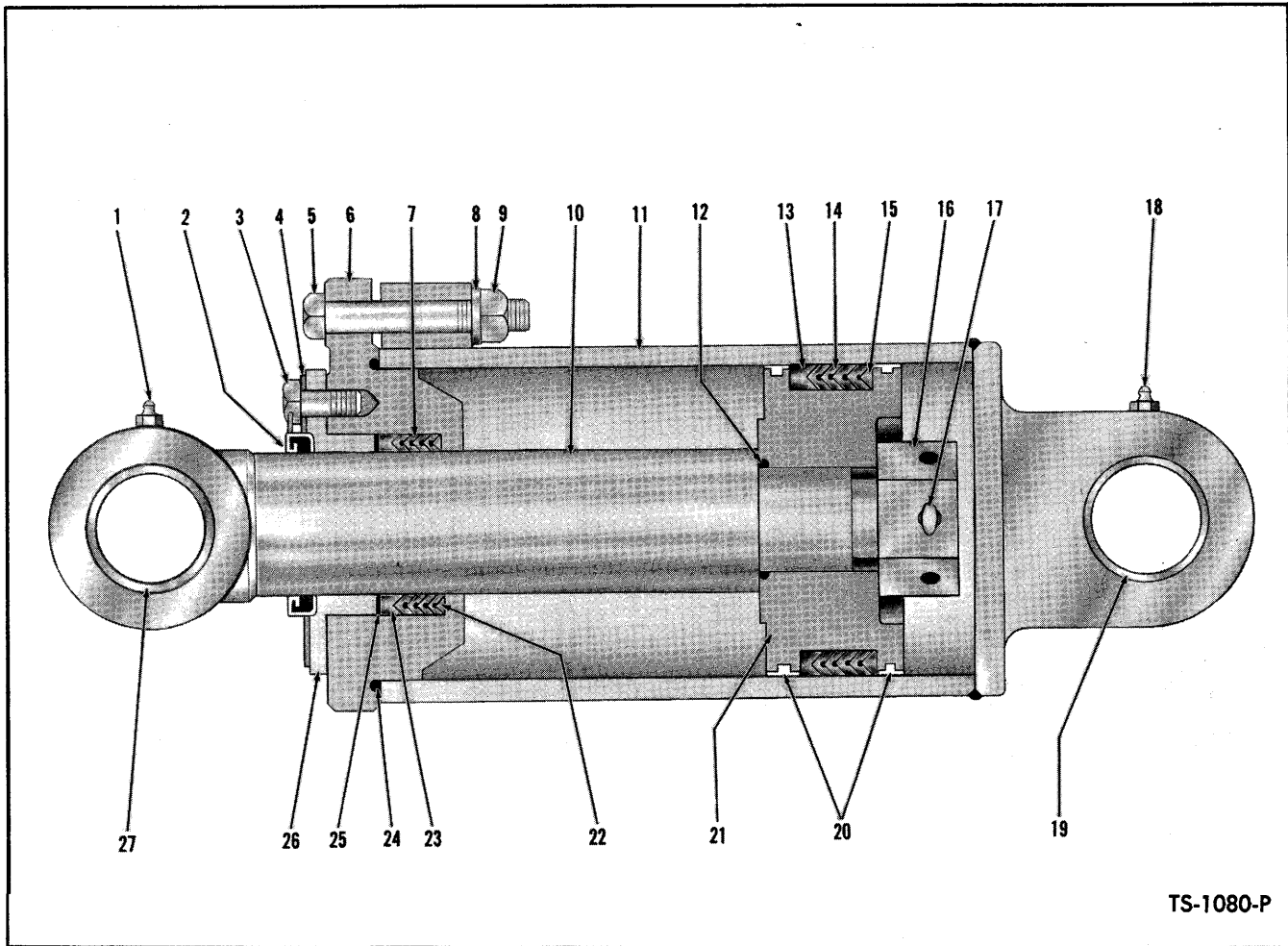
TS-2028-P





MAIN HYDRAULIC SYSTEM
For Serial 5143 and thereafter

TS-2034-P



TS-1080-P

CYLINDER - CLAMP CARRIER AND CLAMP

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	531182	CYLINDER ASSY (Inc. 1 thru 27).....	4	14	531596	PACKING SET (See Note A)	1
NOTE: 4 cylinders used on machine - Quantities indicated below are for 1 cylinder.				15	514740	ADAPTER, Male Chevron Packing (See Note A)	2
1	10H-25	FITTING, Piston Rod Grease..	1	15A	514743	#SHIM, Piston Packing.....AR	
2	550088	WIPER, Piston Rod.....	1	16	551605	NUT, Piston Rod.....	1
3	4C-616	BOLT, Wiper Retainer.....	4	17	1F-648	COTTER, Piston Rod Nut.....	1
4	550089	RETAINER, Piston Rod Wiper..	1	18	10H-25	FITTING, Cylinder Grease....	1
5	2C-952	BOLT, Cylinder Cap.....	4	19	550229	BUSHING, Cylinder Grease....	1
6	531397	*CAP, Cylinder.....	1	20	550081	RING, Piston Wear.....	1
7	531615	PACKING SET (See Note B)	1	21	550080	**PISTON.....	1
8	-----	OMIT.....	-	22	552487	ADAPTER, Male (See Note B)	1
9	62D-09	NUT, Cylinder Cap.....	4	23	552486	ADAPTER, Female - Chevron Packing (See Note B)	1
10	531186	ROD ASSY, Piston (Inc. 27)..	1	24	25K-40416	"O" RING, Cylinder Cap.....	1
11	531183	CYLINDER (Inc. 19).....	1	25	-----	OMIT.....	-
12	25K-40112	"O" RING, Piston Rod.....	1	26	550087	GLAND, Packing.....	1
13	514741	ADAPTER, Female (See Note A) . .	2	27	550229	BUSHING, Piston Rod.....	1

*NOTE: For replacement of 531397 Cap use 945119 Cap Assy. 945119 Cap Assy includes one (1) 25K-40408 O-Ring and one (1) 73K-244 Back-up Ring.

**NOTE: For replacement of 550080 Piston use 1-1503026 Piston plus 2-1523263 Wear Rings, 1-1536073 Outer Seal Ring & 1-1503464 Inner Seal Ring.

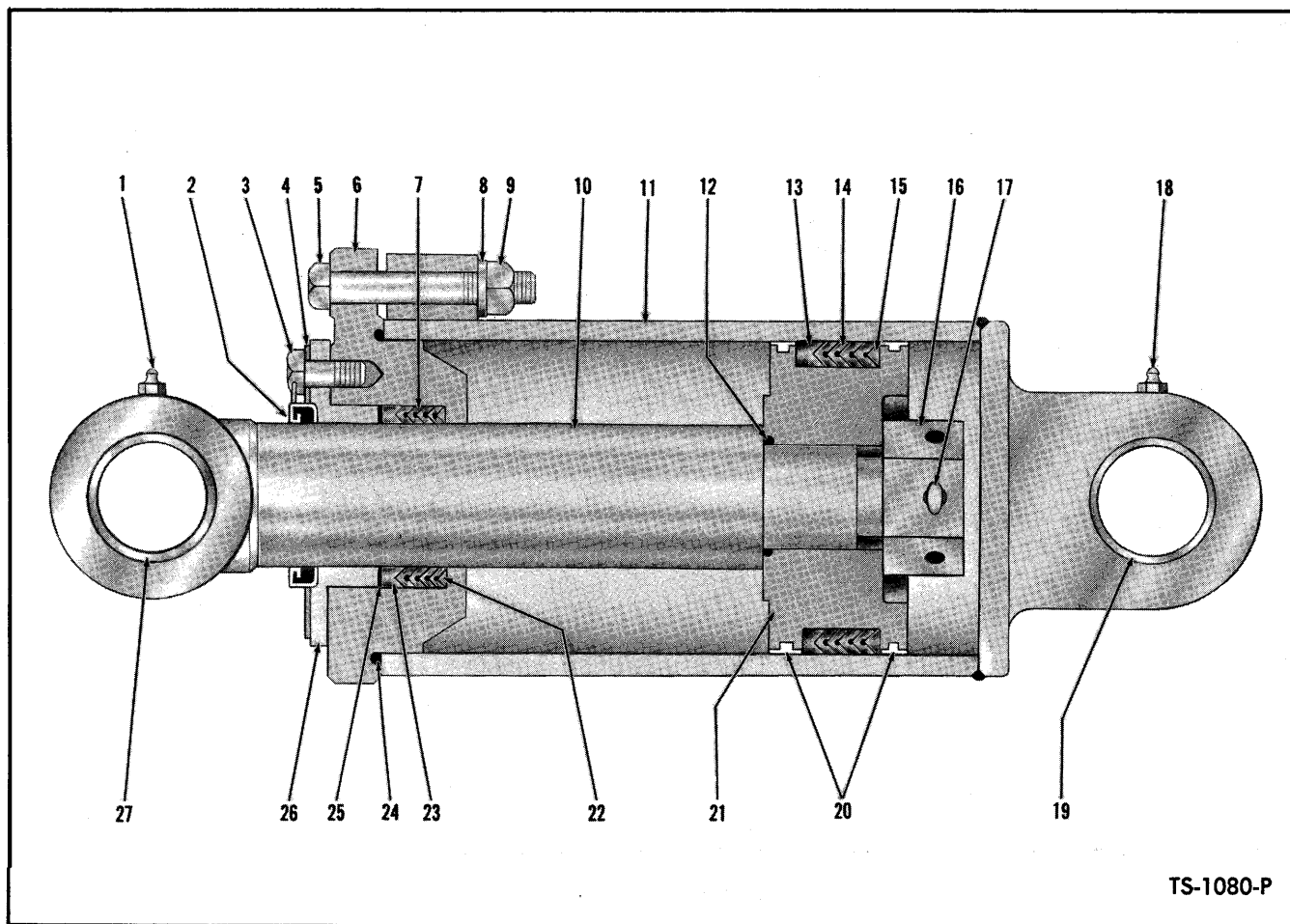
NOTE A: When replacing item 13, 14 or 15 use 1-2501090 Chevron Packing.

NOTE B: When replacing item 7, 22 or 23 use 1-2501107 Chevron Packing.

Not Illustrated

AR - As Required

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



CYLINDER - DOZER BLADE - For serial 5143 and thereafter
CYLINDER - LOADING - For serial 5125 thru 5128, 5130, 5140 & 5142

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	528550	CYLINDER ASSY (Inc. 1 thru 27).....	2	15	527293	ADAPTER, Male Chevron Packing.....	2
	*NOTE: 2 Cylinders used on machine-Quantities listed below are for 1 cylinder.			15A	527296	#SHIM, Piston Packing.....	AR
1	10H-25	FITTING, Piston Rod Grease..	1	16	551605	NUT, Piston Rod.....	1
2	550088	WIPER, Piston Rod.....	1	17	1F-648	COTTER, Piston Rod Nut.....	1
3	4C-616	BOLT, Wiper Retainer.....	4	18	10H-25	FITTING, Cylinder Grease....	1
4	550089	RETAINER, Piston Rod Wiper..	1	19	528556	BUSHING, Cylinder.....	1
5	2C-952	BOLT, Cylinder Cap.....	4	20	527292	RING, Piston Wear.....	2
6	531418	CAP, Cylinder.....	1	21	527291	* PISTON.....	1
7	531615	**PACKING SET, Cylinder Cap... 1	1	22	552487	**ADAPTER, Male Chevron Packing.....	1
8	-----	OMIT.....	-	23	552486	**ADAPTER, Female Chevron Packing.....	1
9	62D-09	NUT, Cylinder Cap.....	4	24	25K-40500	"O" RING, Cylinder Cap.....	1
10	528557	ROD ASSY, Piston (Inc 27)... 1	1	25	-----	OMIT.....	-
11	528551	CYLINDER (Inc. 19).....	1	26	550087	GLAND, Packing.....	1
12	25K-40112	"O" RING, Piston Rod.....	1	27	550229	BUSHING, Piston Rod.....	1
13	527294	ADAPTER, Female Chevron Packing.....	2	28	528559	#PIN, Cylinder to Rear Frame 1	1
14	531600	PACKING SET, Piston.....	1	29	2C-872	#BOLT, Pin Retaining.....	1
				30	2D-08	#NUT, Pin Retaining.....	1
				31	4E-08	#LKWSHR, Pin Retaining.....	1

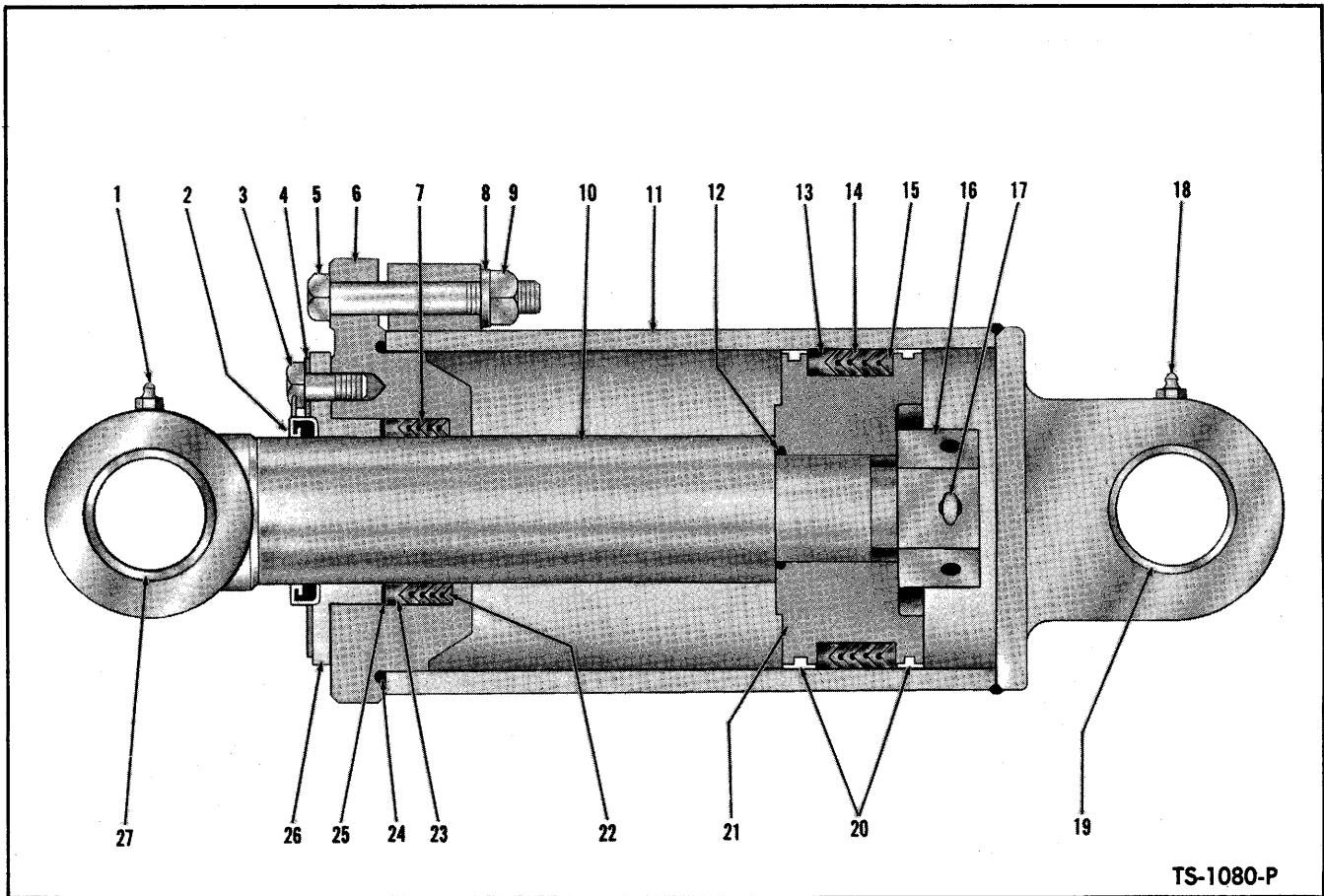
*NOTE: For replacement of 527291 use 1503597 plus 2-1536234 Wear Rings, 1-1536235 Outer Seal Ring and 1-1503465 Inner Seal Ring.

**NOTE: When replacing item 7, 22 or 23 use 1-2501107 Chevron Packing Assy.

Not Illustrated

AR As Required

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



CYLINDER - DOZER BLADE

For serial 5123 thru 5142

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	518947	CYLINDER ASSY (Inc. 1 thru 27).....	2	15	520403	ADAPTER, Male Chevron Packing (See Note B)	2
NOTE: 2 cylinders used on machine - Quantities indicated below are for 1 cylinder.				16	517298	NUT, Piston Rod.....	1
1	10H-25	FITTING, Piston Rod Grease..	1	17	1F-540	COTTER, Piston Rod Nut.....	1
2	941568	WIPER, Piston Rod.....	1	18	10H-25	FITTING, Cylinder Grease....	1
3	4C-616	BOLT, Wiper Retainer.....	4	19	-----	OMIT.....	-
4	512797	RETAINER, Piston Rod Wiper..	1	20	552767	RING, Piston Wear.....	2
5	2C-748	BOLT, Cylinder Cap.....	4	21	512789	**PISTON.....	1
6	512794	*CAP, Cylinder.....	1	22	520400	ADAPTER, Male Chevron Packing (See Note A)	2
7	531632	PACKING SET (See Note A)	1	23	520399	ADAPTER, Female Chevron Packing (See Note A)	2
8	4E-07	LKWSHR, Cylinder Cap.....	4	24	25K-40320	"O" RING, Cylinder Cap.....	1
9	62D-07	NUT, Cylinder Cap.....	4	25	-----	OMIT.....	-
10	518951	ROD ASSY, Piston (Inc. 1,27) 1	1	26	520474	*GLAND, Packing.....	1
11	518948	CYLINDER.....	1	27	552766	BUSHING, Piston Rod.....	1
12	25K-40104	"O" RING, Piston Rod.....	1	28	518976	#PIN, Cylinder to Lower Arm. 1	1
13	520402	ADAPTER, Female Chevron Packing (See Note B)	2	29	518977	#PIN, Cylinder to Rear Frame 1	1
14	531606	PACKING SET (See Note B)	1	30	2C-648	#BOLT, Pin Retaining.....	2
				31	2D-06	#NUT, Pin Retaining.....	2
				32	4E-06	#LKWSHR, Pin Retaining.....	2

*NOTE: For replacement of 512794 use 945112. For replacement of 520474 use 526451. When replacing 512794 with 945112 or 520474 with 526451 both items have to be replaced at the same time, plus four (4) 4C-620 Bolt, and four (4) 18C-752. 945112 Cap Assy also includes one (1) 25K-40308 O-Ring and one (1) 73K-236 Back-up Ring.

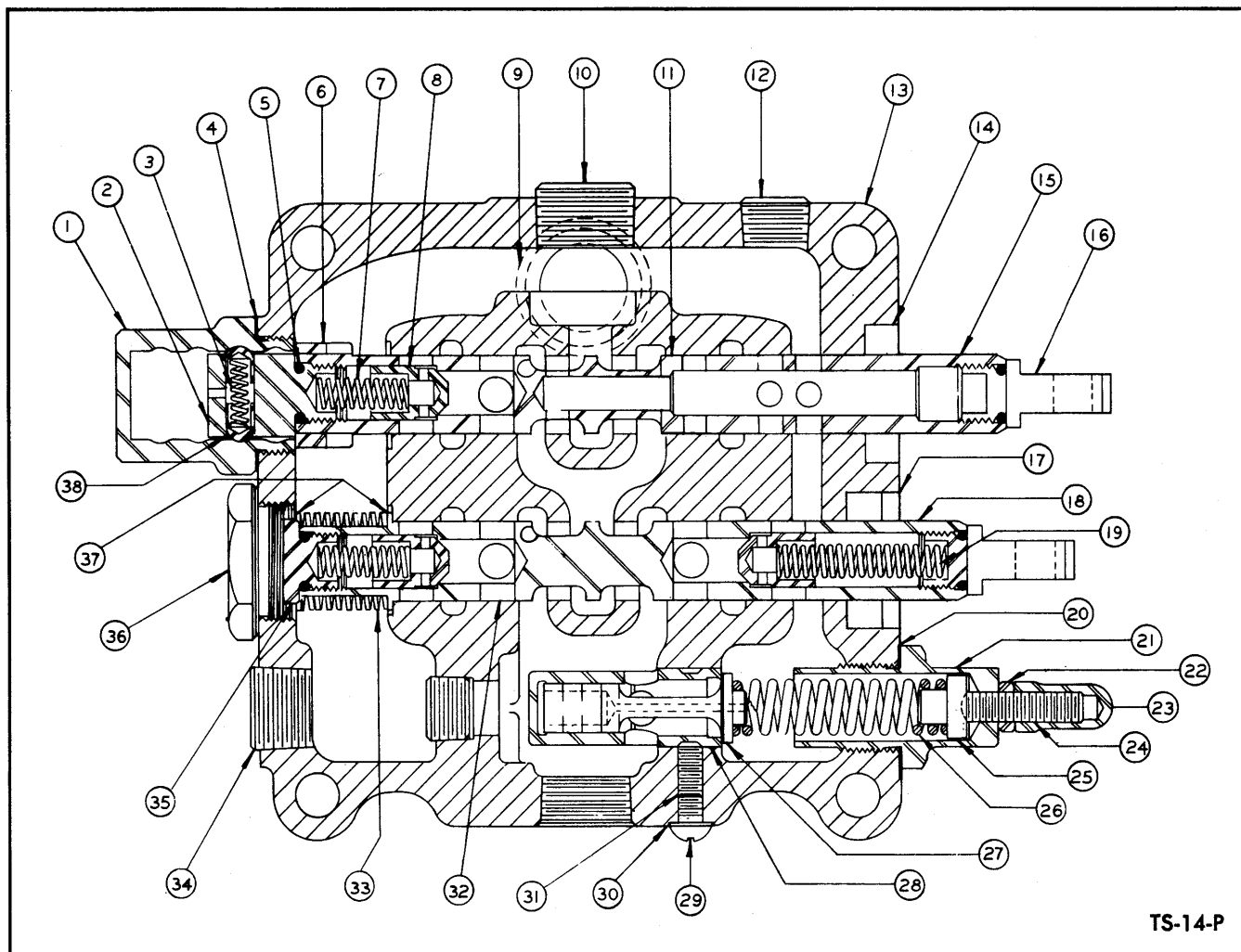
**NOTE: For replacement use 1503639 Piston plus 2-1530264 Wear Rings, 1-1503631 Outer Seal Ring & 1-1503629 Inner Seal Ring.

NOTE A: When replacing item 7, 22 or 23, use 1-2501106 Chevron Packing.

NOTE B: When replacing item 13, 14, or 15, use 1-2501098 Chevron Packing.

Not Illustrated

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



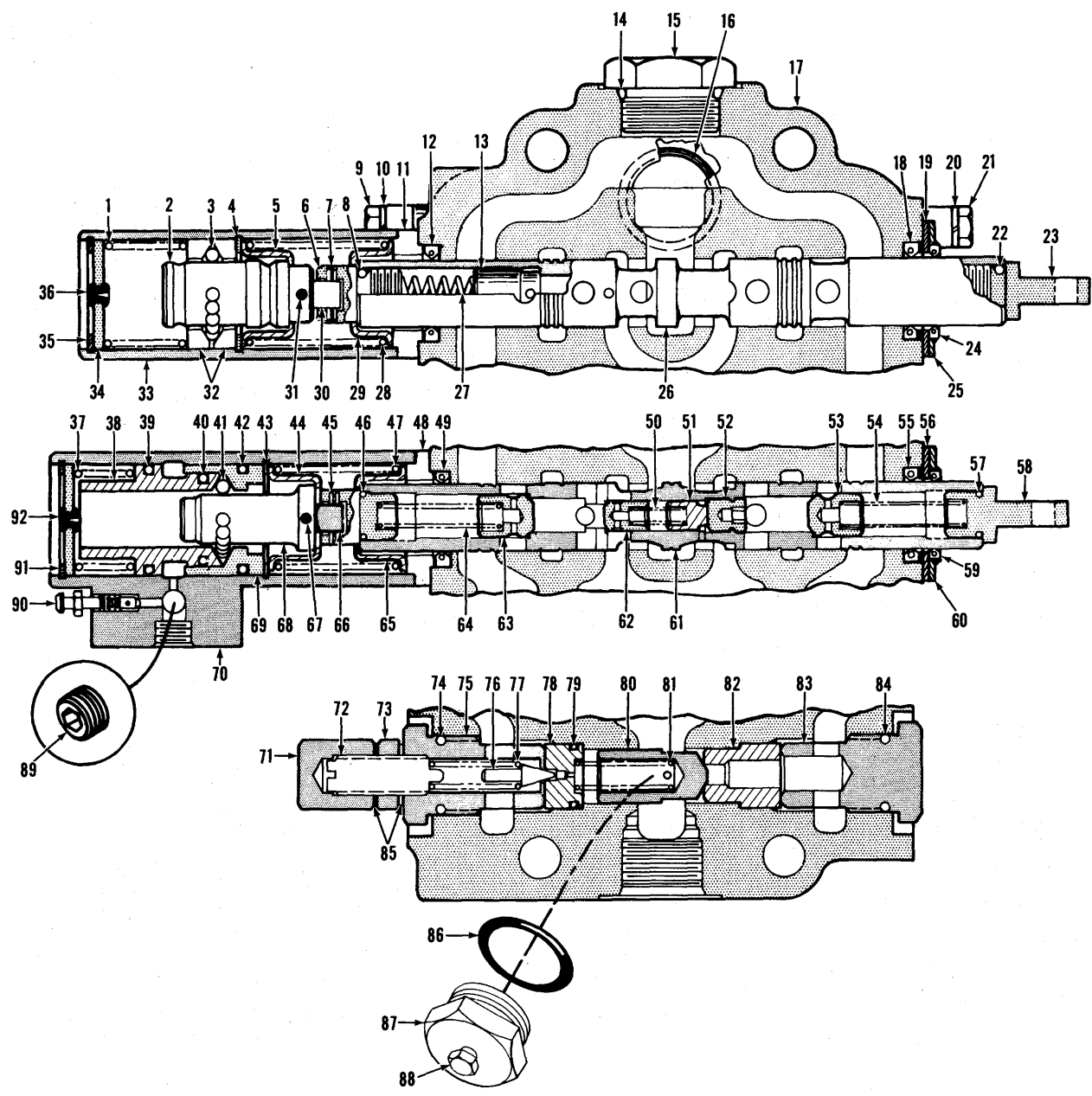
TS-14-P

CONTROL VALVE ASSEMBLY
For serial 5123 and 5124

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	550282	*Control Valve Assembly (Inc. 1 thru 38).....	1	20	940031	Gasket.....	1
1	940040	CAP, Detent.....	1	21	940025	CAP, Adjustment.....	1
2	940023	CAP, Detent Valve.....	1	22	8D-06	NUT, Jam.....	1
3	940024	SPRING, Detent.....	1	23	863045	NUT, Acorn.....	1
4	940041	GASKET.....	2	24	940028	SCREW, Adjustment.....	1
5	940061	SEAL RING.....	4	25	940029	GUIDE, Spring.....	1
6	940062	SPACER, Plunger.....	1	26	940030	SPRING.....	1
7	940063	SPRING.....	2	27	940032	PLUNGER, Relief Valve.....	1
8	940064	PLUNGER, Check Valve.....	3	28	940033	SEAT, Relief Valve.....	1
9	25K-40116	SEAL RING.....	1	29	863052	SCREW.....	1
10	16F-16	PIPE PLUG.....	1	30	863053	GASKET.....	1
11	-----	%PLUNGER (See A).....	1	31	15G-506	SCREW, Set.....	1
12	16F-08	PIPE PLUG.....	2	32	-----	%PLUNGER (See A).....	1
13	-----	%HOUSING (See A).....	1	33	940072	SPRING.....	1
14	944022	SEAL.....	2	34	16F-12	PIPE PLUG.....	1
15	-----	%PLUNGER, (See A).....	1	35	940073	CAP.....	1
16	940068	PLUNGER EYE.....	2	36	940039	CAP.....	1
17	944022	SEAL ASSEMBLY.....	1	37	940074	WASHER.....	2
18	-----	%Operating Plunger Assembly- D.A. (See A).....	1	38	940075	POPPET, Detent Plunger.....	2
19	940070	SPRING.....	1	39	16F-06	#PIPE PLUG.....	1
				40	2C-856	#BOLT, Valve to Reservoir...	3
				41	4E-08	#LKWSHR, Valve to Reservoir.	3

*NOTE: For replacement use 2511040 Valve plus 960605 Kit which consists of
 3-18C-864 Bolt, 3-4E-08 Lockwasher, 2-545204 Connector, 2-526676 Connector, % Not Sold Separately
 2-583210 Connector, 2-1J-532 Clevis, 2-4F-05062 Clevis Pin, 2-1F-316 Cotter, # Not Illustrated
 1-2511296 Rework Drawing.

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



59A.1

PM 1439
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TS-14064

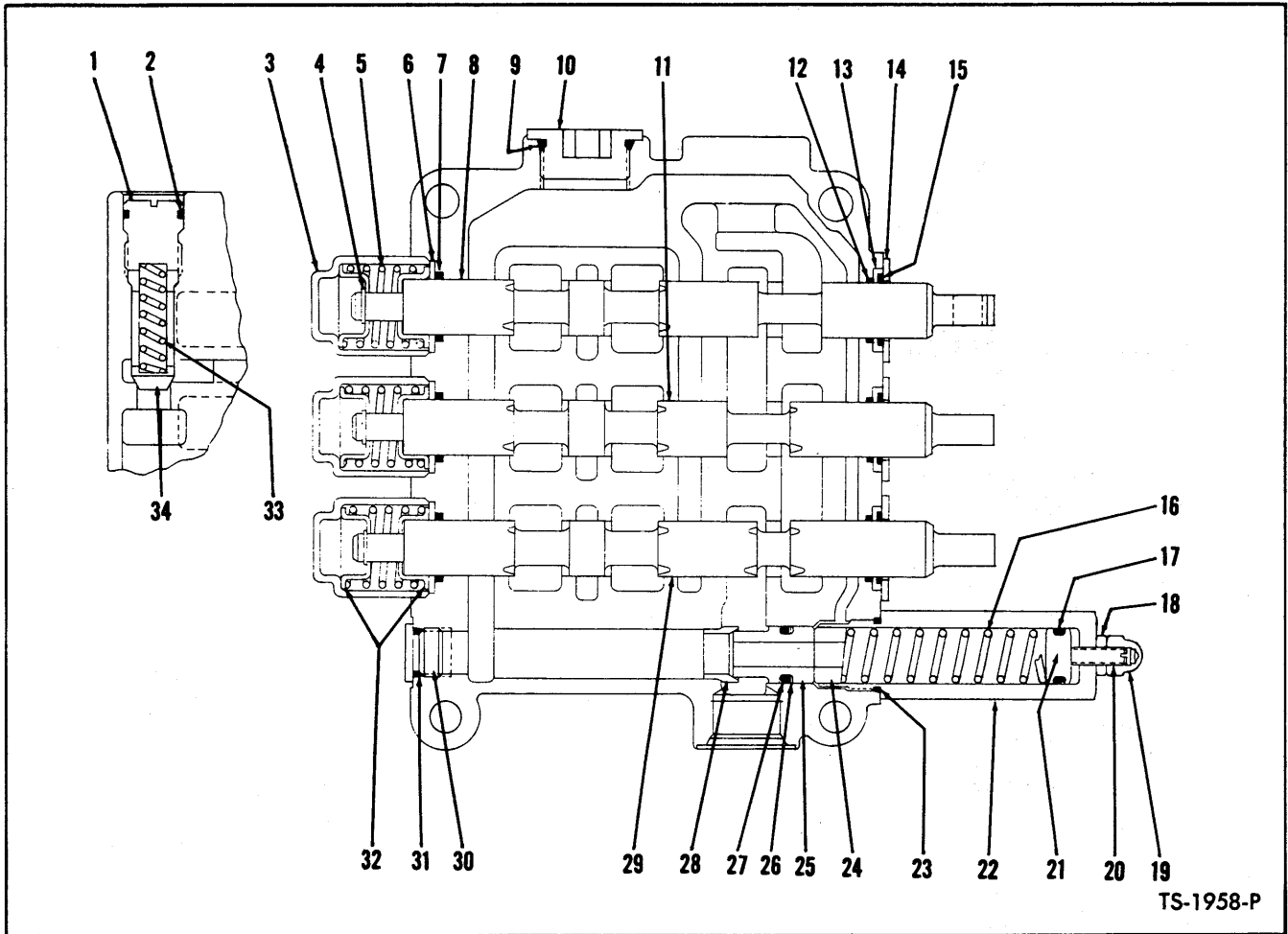
Valve Assembly, Main (2 Spool)

CLARK

No.	Part No.	Qty.	Description
A	2511040	1	Valve assy
1	945853	1	Spring
2	945848	1	Cap
3	10J-06	15	Ball
4	1300582	1	Ring
5	888451	1	Retainer
6	961005	1	Cap
7	300232	1	Pin
8	25K-30014	1	O-ring
9	11G-520	2	Bolt
10	4E-05	2	Lockwasher
11	960971	1	Plate
12	961004	1	Seal
13	945590	1	Check
14	91F-10	2	O-ring
15	24K-10	2	Cap
16	25K-40106	1	O-ring
17	S ³ -----	—	Housing
18	961004	1	Seal
19	960966	1	Plate
20	4E-05	4	Lockwasher
21	1C-512	4	Bolt
22	25K-30014	1	O-ring
23	945226	1	Plunger eye
24	960968	1	Wiper
25	960967	1	Plate
26	S ³ -----	—	Plunger
27	871388	1	Spring
28	888452	1	Spring
29	888451	1	Retainer
30	888449	1	Pin
31	300232	1	Pin
32	886758	2	Retainer
33	886761	1	Cover
34	886762	1	Plug
35	755855	1	Retainer
36	886763	1	Plug
37	945233	1	Spring
38	945231	1	Retainer
39	58K-124	1	O-ring
40	58K-121	1	O-ring
41	10J-06	12	Ball
42	58K-124	1	O-ring
43	1300582	1	Ring
44	888451	1	Retainer
45	300232	1	Pin
46	25K-30014	1	O-ring

No.	Part No.	Qty.	Description
47	888455	1	Spring
48	960971	1	Plate
49	961004	1	Seal
50	3-----	—	Spring
51	3-----	—	Piston
52	3-----	—	Cap
53	945590	1	Check
54	871388	1	Spring
55	961004	1	Seal
56	960966	1	Plate
57	25K-30014	1	O-ring
58	945226	1	Plunger eye
59	960968	1	Wiper
60	960967	1	Plate
61	3-----	—	Plunger
62	3-----	—	Check
63	945590	1	Check
64	946540	1	Spring
65	888451	1	Retainer
66	888449	1	Pin
67	730432	1	Pin
68	945232	1	Cap
69	945217	1	Retainer
70	945234	1	Housing
70A	†11G-520	2	Bolt
70B	†4E-05	2	Lockwasher
71	49D-08	1	Nut
72	980834	1	Screw
73	8D-08	1	Nut
74	58K-210	1	O-ring
75	980835	1	Cap
76	886739	1	Poppet
77	886753	1	Spring
78	960964	1	Seat
79	25K-30020	1	O-ring
80	960965	1	Check
81	947791	1	Spring
82	960963	1	Seat
83	980838	1	Cap
84	58K-210	1	O-ring
85	613750	2	Washer
86	91F-8	1	O-ring
87	945430	1	Cap
88	40K-04	1	Plug
89	16F-02	1	Plug
90	641297	1	Screw
91	755855	1	Retainer
92	886763	1	Plug

¹See Index
²Inc. 1→92
³See "A"

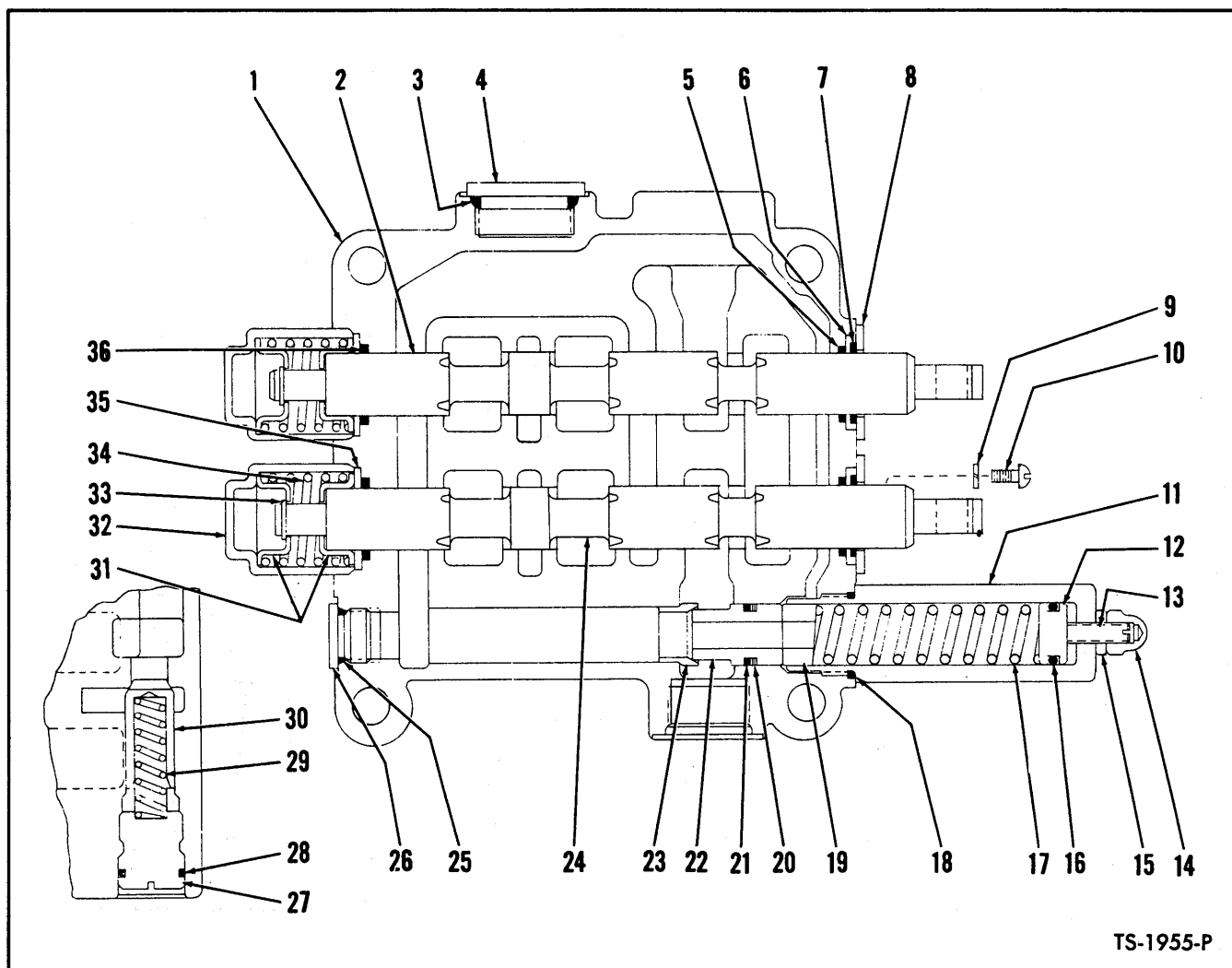


CONTROL VALVE ASSEMBLY
For serial 5125 thru 5128, 5130, 5140, 5142

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	542805	VALVE ASSY (Inc 1 thru 35)..		19	47D-05	NUT, Acorn.....	1
1	943908	CAP, Check Valve.....	3	20	33G-516	SET SCREW.....	1
2	25K-40026	'O' RING, Check Valve Cap...	3	21	943924	FOLLOWER, Spring.....	1
3	943919	CAP, Plunger.....	3	22	944476	CAP, Relief Valve.....	1
4	878235	RING, Spacer Retaining.....	3	23	25K-30102	'O' RING, Cap.....	1
5	943918	SPRING, Plunger.....	3	24	943922	DAMPENER, Spring.....	1
6	943904	RETAINER, 'O' Ring.....	3	25	943921	PLUNGER, Relief Valve.....	1
7	25K-40024	'O' RING, Plunger.....	3	26	943741	RING, Back-Up.....	1
8	-----	%PLUNGER, Operating (See A).	1	27	25K-40024	'O' RING, Plunger.....	1
9	91F-11	'O' RING, Plug.....	1	28	943920	SEAT, Plunger.....	1
10	47K-11	PLUG.....	1	29	-----	%PLUNGER, Operating (See "A").....	1
11	-----	%PLUNGER, Operating (See A).	1	30	47K-7	PLUG.....	1
12	25K-40024	'O' RING, Plunger.....	3	31	91F-7	'O' RING, Plug.....	1
13	943915	RETAINER, 'O' Ring.....	3	32	943917	SPACER, Plunger Spring.....	6
14	943916	PLATE, Wiper Retainer.....	3	33	943907	SPRING.....	3
15	943740	WIPER, Plunger.....	3	34	886686	POPPET, Check Valve.....	3
15A	4G-610	#SCREW, Wiper Retainer Plate	6	35	25K-60120	#'O' RING, Valve to Reservoir	1
15B	4E-06	#LKWSHR, Wiper Retainer Plate.....	6	36	2C-876	#BOLT, Valve to Reservoir...	3
16	943923	SPRING, Relief Valve.....	1	37	4E-08	#LKWSHR, Valve to Reservoir.	3
17	25K-40024	'O' RING, Spring Follower...	1				
18	8D-05	NUT, Jam.....	1				

Not Illustrated
% Not Sold Separately

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

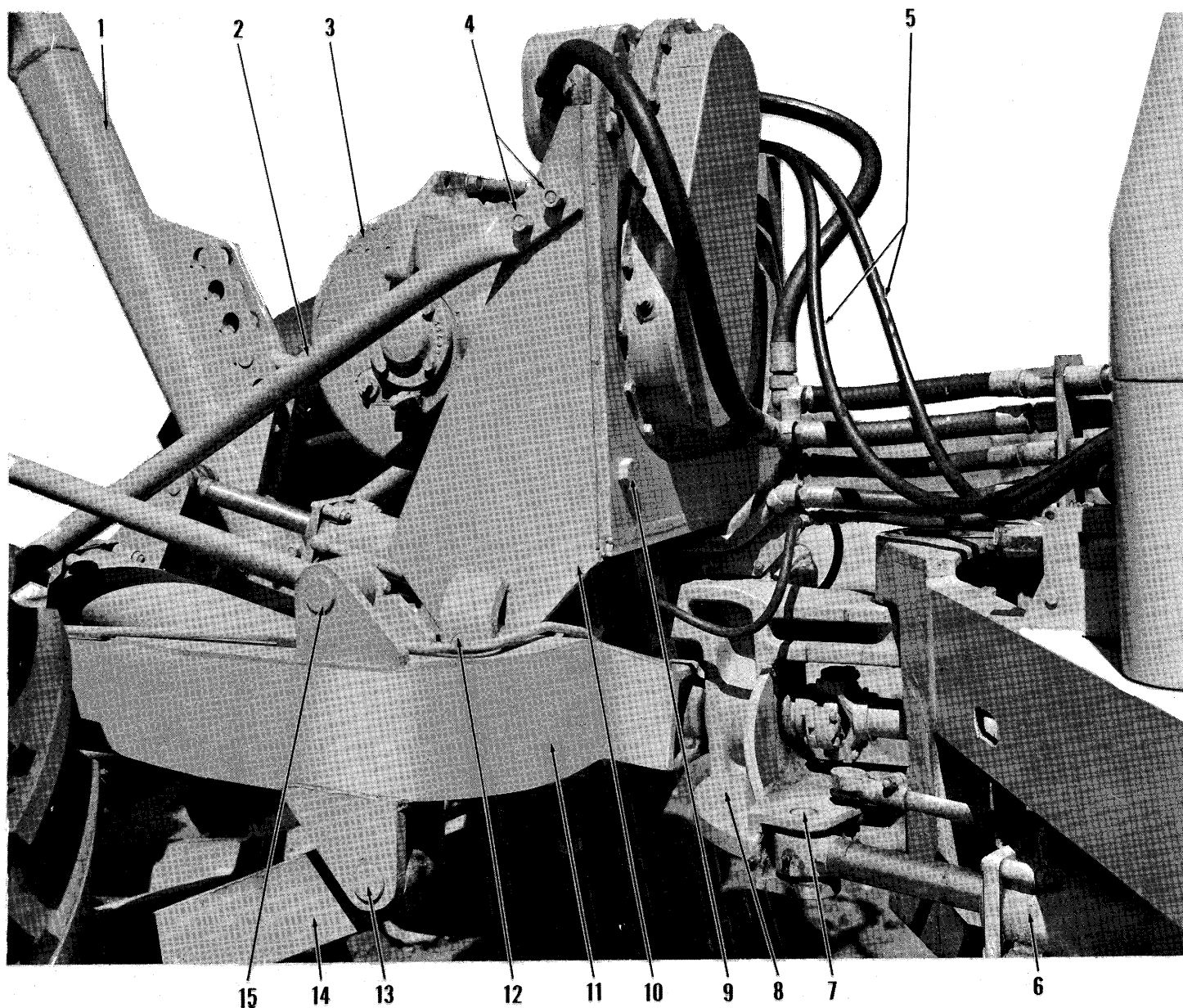


CONTROL VALVE ASSEMBLY
For serial 5129, 5131 thru 5139, 5141, 5143 & thereafter

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
A	521841	VALVE ASSY (Inc 1 thru 37)..	1	20	943741	RING, Back-Up.....	1
1	-----	%HOUSING, Valve - See A.....	1	21	25K-40024	"O" RING, Plunger.....	1
2	-----	%PLUNGER, Valve - See A.....	1	22	943921	PLUNGER, Relief Valve.....	1
3	91F-11	"O" RING, Plug.....	1	23	943920	SEAT, Relief Valve Plunger..	1
4	24K-11	PLUG.....	1	24	-----	%PLUNGER - See A.....	1
5	25K-30102	"O" RING, Plunger.....	2	25	91F-7	"O" RING, Plug.....	1
6	943915	RETAINER, "O" Ring.....	2	26	47K-7	PLUG.....	1
7	943740	WIPER, Plunger.....	2	27	943908	CAP.....	2
8	943916	PLATE, Wiper Retaining.....	2	28	25K-40026	"O" RING, Cap.....	2
9	4E-06	LKWSHR, Retaining Plate.....	4	29	943907	SPRING.....	2
10	4G-610	BOLT, Retaining Plate.....	4	30	886686	POPPET.....	2
11	944476	CAP, Relief.....	1	31	943917	SPACER, Spring.....	4
12	943924	FOLLOWER, Spring.....	1	32	943919	CAP, Plunger End.....	2
13	33G-520	SCREW, Relief Valve.....	1	33	878235	RING, Spacer Retaining.....	2
14	47D-05	NUT, Acorn.....	1	34	943918	SPRING, Plunger Return.....	2
15	8D-05	NUT, Jam.....	1	35	943904	RETAINER, "O" Ring.....	2
16	25K-40024	"O" RING, Spring Follower... 1	1	36	25K-30100	"O" RING, Plunger.....	2
17	943923	SPRING, Relief Valve.....	1	37	25K-60120	#"O" RING, Valve to Reservoir.....	1
18	25K-30102	"O" RING, Cap.....	1	38	2C-860	#BOLT, Valve to Reservoir... 3	3
19	943922	DAMPENER, Spring.....	1	39	4E-08	#LKWSHR, Valve to Reservoir. 3	3

Not Illustrated
% Not Sold Separately

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



REAR FRAME, WINCH AND DOZER BLADE LOWER ARM

TS-2027-P

REAR FRAME, WINCH AND DOZER BLADE LOWER ARM

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	-----	"A" FRAME - See Index.....	-	12B	528471	For serial 5125 thru 5128, 5130, 5140, 5142 & thereafter.....	2
2		<u>BAR, Winch Carrier Brace</u>		12C	2C-872	#BOLT, Pin Retaining - 1/2" X 4 1/2".....	2
2A	522434	For serial 5123 thru 5142....	2	12D	2C-664	#BOLT, Pin Retaining - 3/8" X 4".....	2
2B	528472	For serial 5143 & thereafter	2	12E	2D-08	#NUT, Pin Retaining - 1/2".....	2
3	519004	WINCH - See Index.....	1	12F	2D-06	#NUT, Pin Retaining - 3/8".....	2
4	2C-1232	BOLT, Brace Bar.....	8	12G	4E-08	#LKWSHR, Pin Retaining - 1/2".....	2
4A	2D-12	#NUT, Brace Bar.....	8	12H	4E-06	#LKWSHR, Pin Retaining - 3/8".....	2
4B	4E-12	#LKWSHR, Brace Bar.....	8	13		<u>PIN, Lower Arm to Rear Frame</u>	
5	524562	CABLE, Winch-Control.....	2	13A	519048	For Serial 5123, 5124, 5129, 5131, 5132, 5133, 5137, 5138, 5139 & 5141.....	2
6	-----	STEERING CYLINDER-See Index.	-	13B	528470	For serial 5125 thru 5128, 5130, 5140 5142 & there- after.....	2
7	514252	PIN, Steering Cyl. to Center Trunnion.....	1	13C	2C-872	#BOLT, Pin Retaining - 1/2" X 4 1/2".....	2
7A	2C-660	#BOLT, Pin Retaining.....	1	13D	2C-672	#BOLT, Pin Retaining - 3/8" X 4 1/2".....	2
7B	2D-06	#NUT, Pin Retaining.....	1	13E	2D-08	#NUT, Pin Retaining - 1/2".....	2
7C	4E-06	#LKWSHR, Pin Retaining.....	1	13F	2D-06	#NUT, Pin Retaining - 3/8".....	2
8	-----	CENTER TRUNNION-See Index...	-	13G	4E-08	#LKWSHR, Pin Retaining - 1/2".....	2
9		<u>BOLT, Winch to Carrier</u>		13H	4E-06	LKWSHR, Pin Retaining - 3/8".....	2
9A	2C-1648	For serial 5123 thru 5142....	4	14		<u>ARM ASSY, Lower (Inc. 14C, 14F)</u>	
9B	2C-1660	For serial 5143 & thereafter	4	14A	519035	For serial 5123 thru 5142....	1
9C	2D-16	#NUT, Winch to Carrier.....	4	14B	528431	For serial 5143 & thereafter	1
9D	4E-16	#LKWSHR, Winch to Carrier...	4	14C		<u>#BUSHING, Arm to Blade</u>	
10		<u>CARRIER, Winch</u>		14D	551098	For serial 5123 thru 5142....	2
10A	519005	For serial 5123 thru 5142....	1	14E	515164	For serial 5143 & thereafter	2
10B	528415	For serial 5143 & thereafter	1	14F	551098	#BUSHING, Arm to Frame.....	2
11		<u>FRAME, Rear</u>		15	514961	PIN, Tie Rod to Frame.....	2
11A	519053	For serial 5123, 5124, 5129, 5131, 5132, 5133, 5137, 5138, 5139 & 5141.....	1	15A	2C-672	#BOLT, Pin Retaining.....	2
11B	528381	For serial 5125 thru 5128, 5130, 5140, 5142 & thereafter		15B	2D-06	#NUT, Pin Retaining.....	2
12		<u>PIN, Carrier to Rear Frame</u>		15C	4E-06	#LKWSHR, Pin Retaining.....	2
12A	515254	For serial 5123, 5124, 5129, 5131, 5132, 5133, 5137, 5138, 5139 & 5141.....	2	16	524563	#CONTROL STAND, Winch.....	1

- Not Illustrated

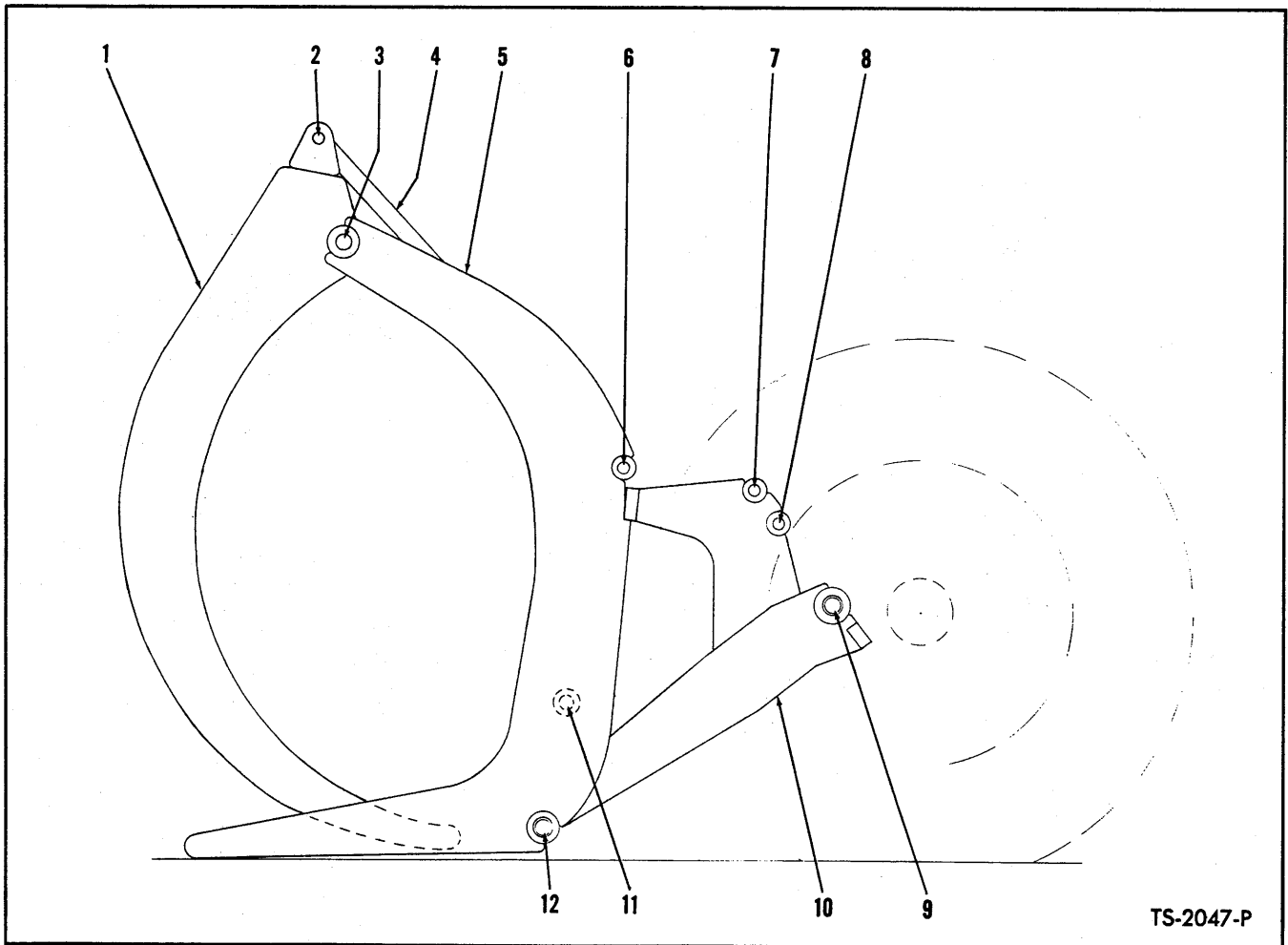
NOTES

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



"A" FRAME, DOZER BLADE AND UPPER ARM

TS-2026-P



TS-2047-P

CLAMP, CARRIER AND LOADING ARM

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	529665	CLAMP ASSY (Inc. 1A).....	1	8	525064	PIN, Clamp Carrier Cyl. to Loading Arm.....	2
1A	515164	#BUSHING, Clamp to Carrier..	2	8A	2C-660	#BOLT, Pin Retaining.....	2
2	514921	PIN, Clamp Cylinder to Clamp	2	8B	2D-06	#NUT, Pin Retaining.....	2
2A	2C-652	#BOLT, Pin Retaining.....	2	8C	4E-06	#LKWSHR, Pin Retaining.....	2
2B	2D-06	#NUT, Pin Retaining.....	2	9	525009	PIN, Loading Arm to Rear Frame.....	2
2C	4E-06	#LKWSHR, Pin Retaining.....	2	9A	2C-876	#BOLT, Pin Retaining.....	2
3	529663	PIN, Clamp to Carrier.....	2	9B	2D-08	#NUT, Pin Retaining.....	2
3A	2C-864	#BOLT, Pin Retaining.....	2	9C	4E-08	#LKWSHR, Pin Retaining.....	2
3B	2D-08	#NUT, Pin Retaining.....	2	10	531173	ARM ASSY, Loading (Inc. 10A, 10B).....	1
3C	4E-08	#LKWSHR, Pin Retaining.....	2	10A	550469	#BUSHING.....	2
4	-----	CLAMP CYLINDER - See Index..	-	10B	515164	#BUSHING.....	2
5	531188	CARRIER ASSY, Clamp (Inc. 5A, 5B).....	1	11	525037	PIN, Clamp Carrier Cyl. to Carrier.....	2
5A	531295	#PIPE - R.H.....	1	11A	2C-660	#BOLT, Pin Retaining.....	2
5B	531297	#PIPE - L.H.....	1	11B	2D-06	#NUT, Pin Retaining.....	2
6	525064	PIN, Clamp Cylinder to Carrier.....	2	11C	4E-06	#LKWSHR, Pin Retaining.....	2
6A	2C-660	#BOLT, Pin Retaining.....	2	12	529663	PIN, Clamp Carrier to Loading Arm.....	2
6B	2D-06	#NUT, Pin Retaining.....	2	12A	2C-864	#BOLT, Pin Retaining.....	2
6C	4E-06	#LKWSHR, Pin Retaining.....	2	12B	2D-08	#NUT, Pin Retaining.....	2
7	525064	PIN, Loading Arm Cyl. to Loading Arm.....	2	12C	4E-08	#LKWSHR, Pin Retaining.....	2
7A	2C-660	#BOLT, Pin Retaining.....	2				
7B	2D-06	#NUT, Pin Retaining.....	2				
7C	4E-06	#LKWSHR, Pin Retaining.....	2				

Not Illustrated

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

SHEET METAL AND WINDOWS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	519355	FRAME, Cab.....	1	37	528693	LOWER SKIRT, Reservoir (For serial 5123,5124,5129, 5131 & thereafter).....	1
2	2C-828	BOLT, Cab Frame to Frame....	8	38	2C-612	BOLT, Lower Skirt Attaching..	4
3	2D-08	NUT, Cab Frame to Frame.....	4	39	2D-06	NUT, Lower Skirt Attaching..	4
4	4E-08	LKWSHR, Cab Frame to Frame..	4	40	4E-06	LKWSHR, Lower Skirt Attaching.....	4
5	519375	ROOF, Cab.....	1	41	519395	COVER, Reservoir (For serial 5125,5126,5127,5128,5130)..	1
6	2C-616	BOLT, Roof Attaching.....	4	42	2C-616	BOLT, Cover to Frame.....	3
7	2D-06	NUT, Roof Attaching.....	4	43	2D-06	NUT, Cover to Frame.....	3
8	4E-06	LKWSHR, Roof Attaching.....	4	44	4E-06	LKWSHR, Cover to Frame.....	3
9	103293	WASHER, Roof Attaching.....	8	45	519354	HANDLE, Cockpit Access.....	1
10	519380	PANEL, Cab Side - R.H.....	1	46	519404	FRAME, Windshield - Front...	1
11	519389	PANEL, Cab Side - L.H.....	1	47	519408	GLASS, Windshield - Front...	1
12	2C-620	BOLT, Side Panel Attaching..	31	48	519409	MOULDING, Windshield Glass - Front.....	1
13	2D-06	NUT, Side Panel Attaching...	31	49	2C-616	BOLT, Frame to Cab.....	10
14	4E-06	LKWSHR, Side Panel Attaching.....	31	50	2D-06	NUT, Frame to Cab.....	10
15	519398	GRILLE.....	1	51	4E-06	LKWSHR, Frame to Cab.....	10
16	2C-1032	BOLT, Grille to Frame.....	2	52	103293	WASHER, Frame to Cab.....	20
17	2D-10	NUT, Grille to Frame.....	2	53	519410	FRAME, Windshield - Rear....	1
18	4E-10	LKWSHR, Grille to Frame.....	2	54	519415	GLASS, Windshield - Rear....	1
19		HOOD		55	519416	MOULDING, Windshield Glass - Rear.....	1
19A	513513	For serial 5125, 5126, 5127, 5128, 5130.....	1	56	2C-616	BOLT, Frame to Cab.....	6
19B	521948	For serial 5123,5124,5129, 5131 & thereafter.....	1	57	2D-06	NUT, Frame to Cab.....	6
20	2C-616	BOLT, Hood to Cowel & Grille	9	58	4E-06	LKWSHR, Frame to Cab.....	6
21	2D-06	NUT, Hood to Cowel & Grille.	9	59	103293	WASHER, Frame to Cab.....	12
22	4E-06	LKWSHR, Hood to Cowel & Grille.....	9	60	519417	CHANNEL, Lower Window - R.H.	1
23		SHIELD, Fuel Tank Heat.		61	519418	CHANNEL, Lower Window - L.H.	1
23A	518581	For serial 5125, 5126, 5127, 5128, 5130.....	1	62	8G-412	SCREW, Channel to Side Panel.....	10
23B	521949	For serial 5123,5124,5129, 5131 & thereafter.....	1	63	2D-04	NUT, Channel to Side Panel..	10
24	2C-616	BOLT, Heat Shield to Firewall.....	3	64	4E-04	LKWSHR, Channel to Side Panel.....	10
25	2D-06	NUT, Heat Shield to Firewall.....	3	65	664421	WASHER, Channel to Side Panel.....	10
26	4E-06	LKWSHR, Heat Shield to Firewall.....	3	66	519419	WEATHERSTRIP, R.H. Lower Channel - Double.....	1
27		PANEL, Hood Side		67	519420	WEATHERSTRIP, L.H. Lower Channel - Double.....	1
27A	516653	For serial 5125, 5126, 5127, 5128, 5130.....	1	68	519421	CHANNEL, Upper Window-R.H....	1
27B	521950	For serial 5123, 5124,5129, 5131 & thereafter.....	1	69	519422	CHANNEL, Upper Window-L.H....	1
28	302568	BUMPER, Side Panel.....	2	70	2C-616	BOLT, Channel to Cab Roof....	8
29	2G-1010	SCREW, Bumper Attaching....	2	71	2D-06	NUT, Channel to Cab Roof....	8
30	14D-10	NUT, Bumper Attaching.....	2	72	4E-06	LKWSHR, Channel to Cab Roof.	8
31	13E-10	LKWSHR, Bumper Attaching....	2	73	103293	WASHER, Channel to Cab Roof..	16
32	616775	WASHER, Bumper Attaching....	2	74	519423	WEATHERSTRIP, R.H. Upper Channel - Double.....	1
33	614644	CATCH, Side Panel.....	2	75	519424	WEATHERSTRIP,L.H. Upper Channel - Double.....	1
34	2G-1010	SCREW, Catch Attaching.....	4	76	519425	WINDOW, Side.....	4
35	14D-10	NUT, Catch Attaching.....	4	77	519426	HANDLE, Side Window Slide...	4
36	13E-10	LKWSHR, Catch Attaching.....	4	78	519427	WEATHERSTRIP, Center Side Window.....	2
				79	519428	TAPE, Side Handle.....	4

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

SKID PANS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	525836	SKID PAN, Front.....	1	9	2D-08	NUT, Center Skid Pan.....	2
2	525839	PLATE, Oil Drain Hole Cover.	1	10	4E-08	LKWSHR, Center Skid Pan.....	10
3	2C-820	BOLT, Front Skid Pan.....	14	11	619027	WASHER, Center Skid Pan.....	10
4	2D-08	NUT, Front Skid Pan.....	4	12	523178	SKID PAN, Rear.....	1
5	4E-08	LKWSHR, Front Skid Pan.....	14	13	2C-820	BOLT, Rear Skid Pan.....	10
6	619027	WASHER, Front Skid Pan.....	10	14	2D-08	NUT, Rear Skid Pan.....	6
7	525566	SKID PAN, Center.....	1	15	4E-08	LKWSHR, Rear Skid Pan.....	10
8	2C-820	BOLT, Center Skid Pan.....	10	16	619027	WASHER, Rear Skid Pan.....	10

FRAME - FRONT

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	514107	For serial 5125 thru 5128, 5130.....	1	3	525920	For serial 5124, 5133, 5137, 5138, 5143 and thereafter	
2	521793	For serial 5123, 5129, 5131, 5132, 5139 thru 5142.....					

DECALS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	528694	DECAL, Patent.....	1	8	548520	DECAL, Converter - On Inst. Panel.....	1
2	547851	DECAL, CLARK EQUIPMENT....	2	9	584608	DECAL, Cold Starting Procedures-DIESEL ONLY..	1
3	519776	DECAL, Model.....	2	10	538258	DECAL, Switch Identifica- tion - DIESEL ONLY.....	1
4	519777	DECAL, Gear Shift.....	1	11	548522	DECAL, Engine Shut-Down - DIESEL ONLY.....	1
5	548472	DECAL, Trans. Oil Level...	1	12	542074	PLATE, Patent.....	1
6	538256	DECAL, Radiator, Engine and Transmission Drain....	3	13	6C-605	SCREW, Plate.....	4
7	552196	DECAL, Torque Converter Fill.....	1				

WINDSHIELD WIPER

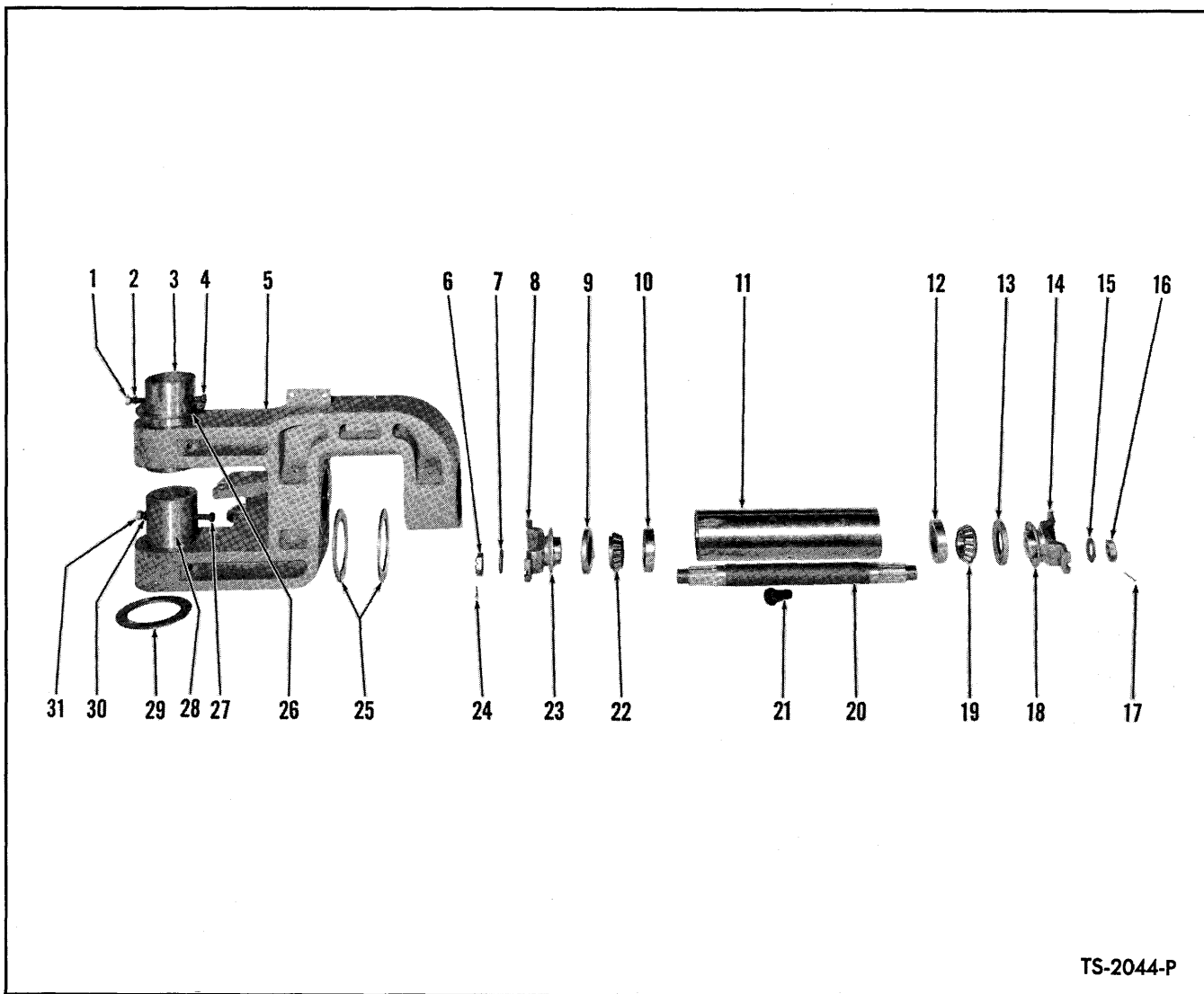
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	552456	MOTOR, Windshield Wiper (Inc. Mounting Parts).....	1	2	552457	ARM, Windshield Wiper.....	1
				3	507049	BLADE, Windshield Wiper.....	1

CONVERTER TEMPERATURE SENDER UNIT

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	551323	SENDER UNIT, Converter Temperature.....	1

NOTES

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



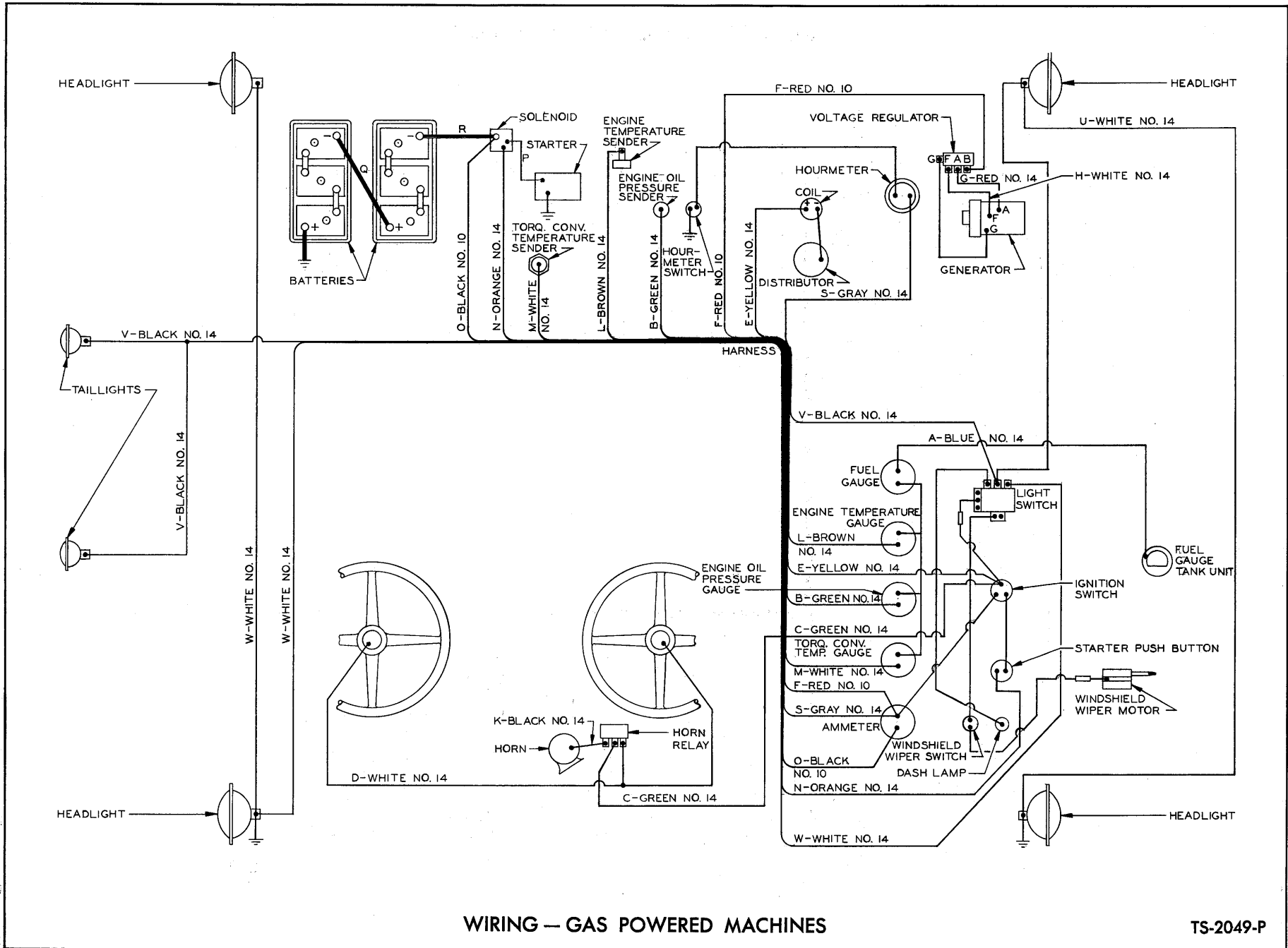
TS-2044-P

CENTER TRUNNION

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	2D-08	NUT, Trunnion Pin Retain- ing.....	1	16	100950	NUT, Trunnion Shaft.....	1
2	4E-08	LKWSHR, Trunnion Pin Re- taining.....	1	17	1F-432	COTTER, Trunnion Shaft Nut..	1
3	513019	PIN, Trunnion.....	1	18	100949	DEFLECTOR, Companion Flange.	1
4	2C-8108	BOLT, Trunnion Pin Retain- ing.....	1	19	710288	CONE, Bearing.....	1
5	513018	TRUNNION ASSY, Center (Inc. 5A).....	1	20	513017	SHAFT, Trunnion.....	1
5A	513013	#BUSHING, Trunnion.....	2	21	513067	BOLT, Pivot Tube Retaining..	1
6	100950	NUT, Trunnion Shaft.....	1	22	710288	CONE, Bearing.....	1
7	100951	WASHER, Trunnion Shaft.....	1	23	100949	DEFLECTOR, Companion Flange.	1
8	106081	FLANGE, Companion.....	1	24	1F-432	COTTER, Trunnion Shaft Nut..	1
9	675471	OIL SEAL.....	1	25	513014	WASHER, Thrust.....	1
10	675257	CUP, Bearing.....	1	26	513014	WASHER, Thrust.....	1
11	513016	TUBE, Pivot.....	1	27	2C-8108	BOLT, Trunnion Pin Retain- ing.....	1
12	675257	CUP, Bearing.....	1	28	513019	PIN, Trunnion.....	1
13	675471	OIL SEAL.....	1	29	513014	WASHER, Thrust.....	1
14	106081	FLANGE, Companion.....	1	30	4E-08	LKWSHR, Trunnion Pin.....	1
15	119298	WASHER, Trunnion Shaft.....	1	31	2D-08	NUT, Trunnion Pin.....	1
				32	10H-25	#FITTING, Grease.....	3

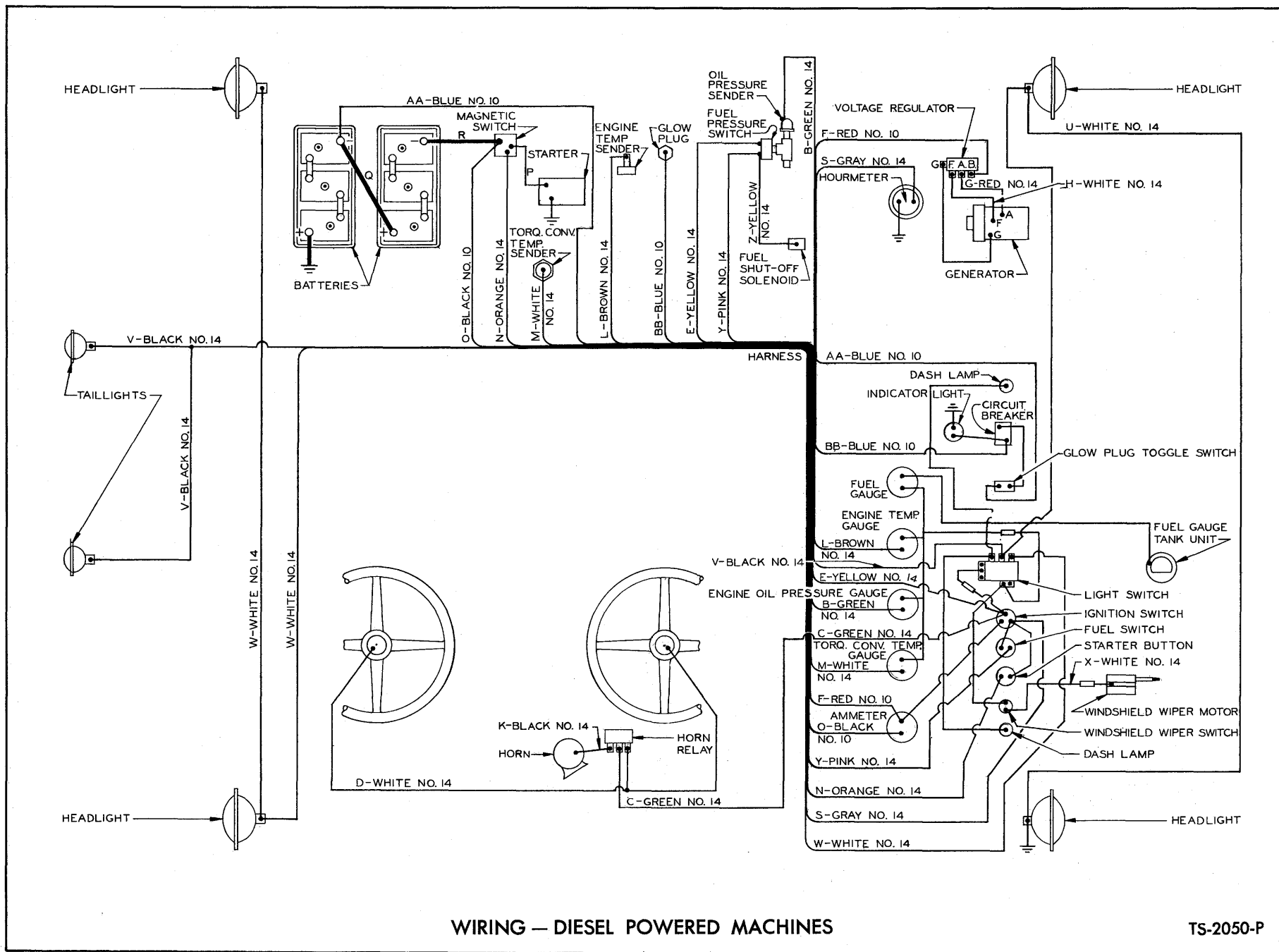
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WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



WIRING — GAS POWERED MACHINES

TS-2049-P



WIRING — DIESEL POWERED MACHINES

TS-2050-P

INSTRUMENT PANEL - DIESEL

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	526276	PANEL, Instrument.....	1	26	12E-6	LKWSHR, Dash Lamp.....	4
2	551320	GAUGE, Fuel.....	1	27	550744	WIRE, Ammeter to Ignition Switch.....	1
3	551321	GAUGE, Converter Temperature	1	28	552935	WIRE, Light Switch to Instruments.....	1
4	523372	GAUGE, Engine Oil Pressure..	1	29	552946	WIRE, Ignition Switch to Light Switch.....	1
5	551322	GAUGE, Engine Temperature...	1	30	550745	WIRE, Ignition Switch to Starter Button.....	1
6	626530	CLAMP, Gauges.....	4	31	552459	WIRE, Light Switch to Wiper Switch.....	1
7	602350	SEPARATOR, Oil Pressure & Fuel Gauges.....	2	32	550745	WIRE, Ignition Switch to Fuel Switch.....	1
8	14D-10	NUT, Gauges #10.....	8	33	550745	WIRE, Glow Plug Switch to Circuit Breaker.....	1
9	12E-10	LKWSHR, Gauges #10.....	4	34	-----	*CIRCUIT BREAKER-CUMMINS #108102.....	1
10	12D-8	NUT, Gauges #8.....	8	35	3G-810	SCREW, Circuit Breaker to Panel.....	2
11	12E-8	LKWSHR, Gauges #8.....	4	36	-----	*INDICATOR LIGHT-CUMMINS #115007.....	1
12	550735	AMMETER.....	1	37	614136	TERMINAL, Indicator Light Wires.....	2
13	601212	CLAMP, Ammeter.....	1	38	614142	SLEEVE, Indicator Light Wires.	2
14	14D-10	NUT, Ammeter #10.....	4	39	519486	SUPPORT, Instrument Panel.....	1
15	12E-10	LKWSHR, Ammeter #10.....	2	40	2C-616	BOLT, Panel to Cowl.....	7
16	573548	SWITCH, Ignition(Keyed)....	1	41	2D-06	NUT, Panel to Cowl.....	7
17	550741	SWITCH, Light.....	1	42	4E-06	LKWSHR, Panel to Cowl.....	7
18	550742	ROD, Light Switch.....	1				
19	550743	BUSHING, Light Switch.....	1				
20	552440	SWITCH, Windshield Wiper Toggle.....	1				
21	600259	PUSH BUTTON, Starter.....	1				
22	552440	SWITCH, Glow Plug Toggle....	1				
23	551503	**LAMP, Dash.....	1				
24	946282	LAMP, Dash.....	1				
25	18G-606	SCREW, Dash Lamp.....	4				

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

INSTRUMENT PANEL - GAS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	519485	PANEL, Instrument.....	1	23	18G-606	SCREW, Dash Lamp.....	2
2	551320	GAUGE, Fuel.....	1	24	12E-6	LKWSHR, Dash Lamp.....	2
3	551321	GAUGE, Converter Temperature	1	25	550744	WIRE, Ammeter to Ignition Switch.....	1
4	551319	GAUGE, Oil Pressure.....	1	26	552935	WIRE, Light Switch to Instruments.....	1
5	551322	GAUGE, Engine Temperature...	1	27	552946	WIRE, Ignition Switch to Light Switch.....	1
6	626530	CLAMP, Gauges.....	4	28	550746	WIRE, Ignition Switch to Starter Button.....	1
7	602350	SEPARATOR, Oil Pressure & Fuel Gauge.....	2	29	552459	WIRE, Light Switch to Wiper Switch.....	1
8	14D-10	NUT, Gauges #10.....	8	30	661555	FUSE, Light Switch to Instrument Wire.....	1
9	12E-10	LKWSHR, Gauges #10.....	4	31	611074	FUSE, Ign. Switch to Light Switch Wire.....	1
10	12D-8	NUT, Gauges #8.....	8	32	519486	SUPPORT, Instrument Panel.....	1
11	12E-8	LKWSHR, Gauges #8.....	4	33	2C-616	BOLT, Panel to Cowl.....	7
12	550735	AMMETER.....	1	34	2D-06	NUT, Panel to Cowl.....	7
13	601212	CLAMP, Ammeter.....	1	35	4E-06	LKWSHR, Panel to Cowl.....	7
14	14D-10	NUT, Ammeter #10.....	4				
15	12E-10	LKWSHR, Ammeter #10.....	2				
16	573548	SWITCH, Ignition(Keyed)....	1				
17	550741	SWITCH, Light.....	1				
18	550742	ROD, Light Switch.....	1				
19	550743	BUSHING, Light Switch.....	1				
20	552440	SWITCH, Windshield Wiper Toggle.....	1				
21	600259	PUSH BUTTON, Starter.....	1				
22	551503	**LAMP, Dash.....	1				

**NOTE: For replacement use 574276 Lamp plus 1-940316 Bulb & 1-574275 Tab

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

WHEEL AND TIRE DATA

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	514527	WHEEL & RIM ASSY.....	4	3	-----	TIRE & TUBE - Not Sold by Clark Equip.....	
2	514815	CAP, Valve Stem Guard.....	4				

FLOORBOARDS AND COVERS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	515583	FLOORBOARD - Center.....	1	11	2C-616	BOLT, Cover Attaching.....	7
2	2C-620	BOLT, Center Floorboard.....	4	12	4E-06	LKWSHR, Cover Attaching.....	7
3	2D-06	NUT, Center Floorboard.....	4	13	519337	COVER, Engine.....	1
4	4E-06	LKWSHR, Center Floorboard...	4	14	519341	HINGE, Engine Cover.....	1
5	519327	FLOORBOARD - Front.....	1	15	2C-412	BOLT, Hinge.....	8
6	519328	FLOORBOARD - Rear.....	1	16	2D-04	NUT, Hinge.....	8
7	2C-616	BOLT, Front & Rear Floorboards.....	5	17	4E-04	LKWSHR, Hinge.....	8
8	2D-06	NUT, Floorboard.....	1	18	614644	CATCH, Engine Cover.....	1
9	4E-06	LKWSHR, Front & Rear Floorboard.....	5	19	2G-1010	SCREW, Catch Attaching.....	2
10	519330	COVER, Rear Steering Gear...	1	20	14D-10	NUT, Catch Attaching.....	2
				21	13E-10	LKWSHR, Catch Attaching.....	2
				22	519342	STEP PLATE.....	1
				23	2C-616	BOLT, Step Plate - 3/8 - 24 x 1".....	1
				24	2C-620	BOLT, Step Plate - 3/8 - 24 X 1 1/2".....	3
				25	2D-06	NUT, Step Plate.....	2
				26	4E-06	LKWSHR, Step Plate.....	4

HORN AND PARTS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	647300	* HORN.....	1	5	2C-616	BOLT, Bracket Attaching.....	1
2	621279	BRACKET, Horn Mounting.....	1	6	2D-06	NUT, Bracket Attaching.....	1
3	2D-04	NUT, Horn to Bracket.....	2	7	4E-06	LKWSHR, Bracket Attaching...	1
4	4E-04	LKWSHR, Horn to Bracket.....	2	8	647310	RELAY, Horn.....	1

LIGHTS AND MOUNTING PARTS

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	551281	LAMP ASSY, Head (Inc. 2)....	4	6	539631	LAMP, Tail.....	2
2	551242	SEALED UNIT, Head Lamp.....	4	7	515591	BRACKET, Tail Lamp.....	2
3	3G-808	SCREW, Head Lamp Ground Wire	4	8	1D-04	NUT, Tail Lamp to Bracket...	4
4	12D-8	NUT, Head Lamp Ground Wire..	4	9	4E-04	LKWSHR, Tail Lamp to Bracket	4
5	13E-8	LKWSHR, Head Lamp Ground Wire.....	4	10	2C-616	BOLT, Bracket to Frame.....	4
				11	2D-06	NUT, Bracket to Frame.....	4
				12	4E-06	LKWSHR, Bracket to Frame....	4

*NOTE: For replacement of 647300 use 733624 Horn plus one (1) 557438 Wire,
Relay to Switch

NOTES

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

FUEL TANK & LINES - GAS

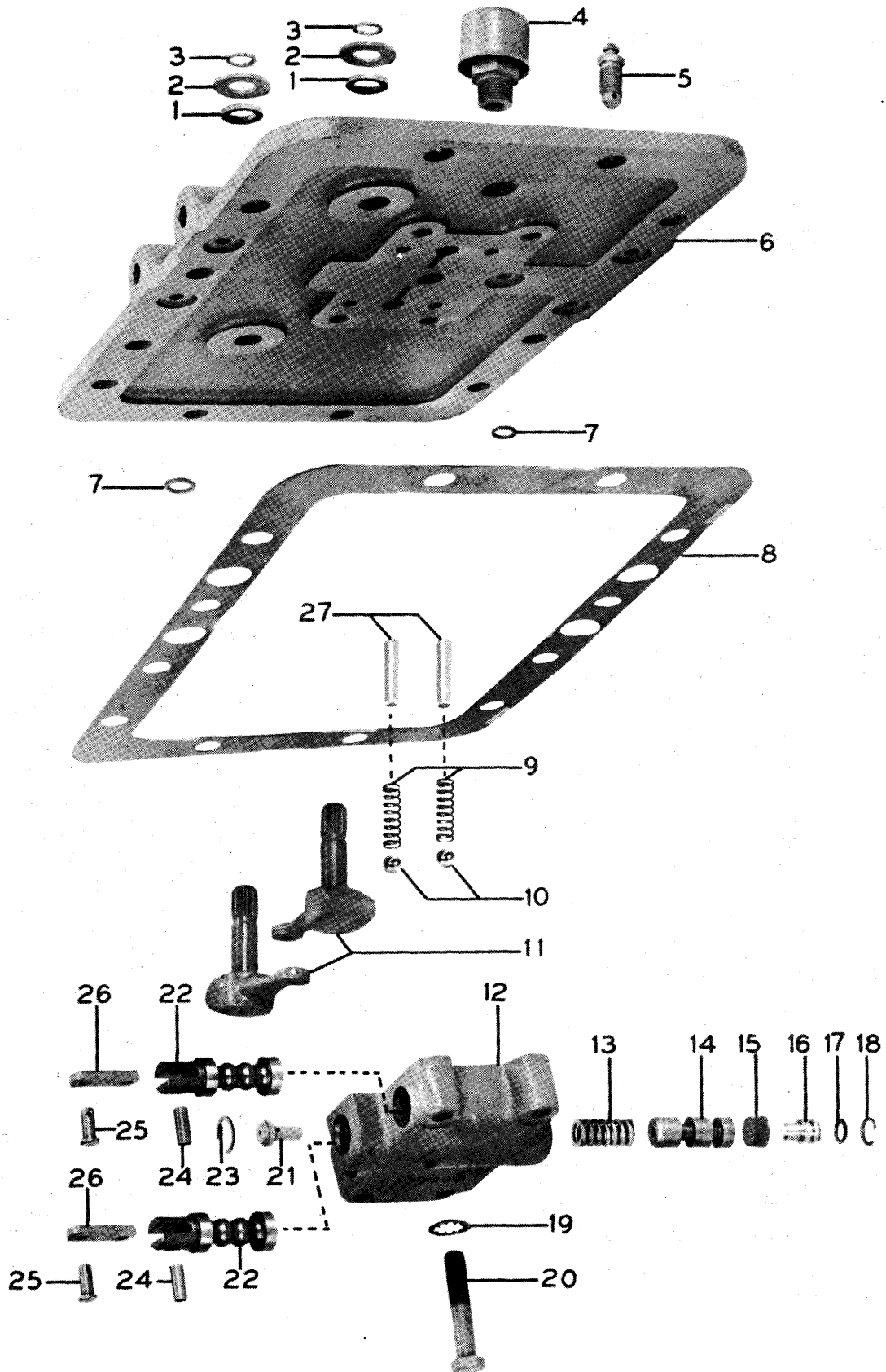
ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1		<u>TANK, Fuel</u>		7	3G-1008	SCREW, Sender Unit.....	5
1A	515084	For serial 5125 thru 5128, 5130.....	1	8	627982	GASKET, Sender Unit.....	1
1B	521943	For serial 5123, 5129, 5131 & thereafter.....	1	9	14D-10	NUT, Sender Terminal.....	1
2	2C-618	BOLT, Tank to Cab Frame.....	2	10	12E-10	LKWSHR, Sender Terminal.....	1
3	2C-616	BOLT, Tank to Grille.....	2	11	539837	CAP, Fuel Tank.....	1
4	2D-06	NUT.....	4	12	550714	VALVE, Fuel Shutoff.....	1
5	4E-06	LKWSHR.....	4	13	518314	LINE, Tank to Fuel Pump.....	1
6		<u>SENDER UNIT, Fuel</u>		14	550984	HOSE, Line to Fuel Pump.....	1
6A	550713	For serial 5125 thru 5128, 5130.....	1	15	356611	BUSHING, Fuel Pump Reducing..	1
6B	517213	For serial 5123, 5129, 5131 & thereafter.....	1	16	30K-302	ELBOW, Hose to Bushing.....	1
				17	6H-9	CLIP, Fuel Line.....	1
				18	2C-616	BOLT, Clip to Frame.....	1
				19	2D-06	NUT, Clip to Frame.....	1
				20	4E-06	LKWSHR, Clip to Frame.....	1

FUEL TANK AND LINES - DIESEL

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	521943	TANK, Fuel.....	1	32	526352	HOSE, Drain Manifold to to Return Line.....	1
2	539837	CAP, Fuel Tank.....	1	33	526351	LINE, Hose to Tank.....	1
3	2C-620	BOLT, Tank Attaching.....	4	34	42F-6	ELBOW, Hose to Tank.....	1
4	2D-06	NUT, Tank Attaching.....	4	35	526354	HOSE, Fuel Pump to Return Line.....	1
5	4E-06	LKWSHR, Tank Attaching.....	4	36	526353	LINE, Fuel Pump to Float Tank.....	1
6	517213	SENDER UNIT, Fuel.....	1	37	-----	*PUMP, Preheater Primer.....	1
7	627982	GASKET, Sender Unit.....	1	38	-----	*GAUGE, Preheater Fuel Pressure.....	1
8	3G-1008	SCREW, Sender Unit.....	5	39	2G-608	SCREW, Pressure Gauge.....	1
9	14D-10	NUT, Sender Terminal.....	1	40	14D-6	NUT, Pressure Gauge.....	1
10	12E-10	LKWSHR, Sender Terminal.....	1	41	17E-6	LKWSHR, Pressure Gauge.....	1
11	526343	HOSE, Tank to Float Tank....	1	42	18F-1	TEE, Fuel Pressure Gauge....	1
12	356612	BUSHING, Float Tank Reducing	1	43	526355	HOSE, Hand Pump to Gauge....	1
13	30K-304	ELBOW, Hose to Bushing.....	1	44	524961	HOSE, Pressure Gauge to Preheater Nozzle.....	1
14	-----	*FLOAT TANK-CUMMINS #115258.	1	45	526356	LINE, Hand Pump to Fuel Pump	1
15	526345	STRAP, Float Tank Mounting..	1	46	38F-3	ADAPTER, Line to Hand Pump..	1
16	2D-06	NUT, Mounting Strap.....	2	47	526357	HOSE, Line to Fuel Pump.....	1
17	4E-06	LKWSHR, Mounting Strap.....	2	48	526358	CLIP, Fuel Pump Return Line..	1
18	526347	LINE, Float Tank to Fuel Filter.....	1	49	2C-616	BOLT, Clip to Frame.....	1
19	42F-9	ELBOW, Line to Float Tank... 1		50	2D-06	NUT, Clip to Frame.....	1
20	525864	HOSE, Line to Fuel Filter... 1		51	4E-06	LKWSHR, Clip to Frame.....	1
21	17K-7	ELBOW, Hose to Fuel Filter.. 1		52	2C-408	BOLT, Clip Tightener.....	1
22	-----	*FILTER, Fuel.....	1	53	2D-04	NUT, Clip Tightener.....	1
23	526349	BRACKET, Fuel Filter Mounting.....	1	54	4E-04	LKWSHR, Clip Tightener.....	1
24	1C-612	BOLT, Bracket to Engine.....	2	55	6H-4	CLIP, Fuel Line- $\frac{1}{4}$ " opening..	2
25	1C-618	BOLT, Filter to Bracket.....	4	56	6H-10	CLIP, Fuel Line- $\frac{3}{8}$ " opening 1	
26	1D-06	NUT, Bracket to Engine.....	1	57	6H-16	CLIP, Fuel Line- $\frac{5}{8}$ " opening 2	
27	4E-06	LKWSHR.....	6	58	6H-30	CLIP, Fuel Line- $\frac{1}{2}$ " opening..	2
28	515845	HOSE, Filter to Fuel Pump... 1		59	526359	BRACKET, Fuel Line Clips....	1
29	83F-6	ELBOW, Hose to Pump.....	1	60	2C-618	BOLT, Bracket to Frame.....	2
30	17K-7	ELBOW, Hose to Filter.....	1	61	2D-06	NUT, Bracket to Frame.....	2
31	-----	*INJECTOR DRAIN MANIFOLD....	1	62	4E-06	LKWSHR, Bracket to Frame....	2

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

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



CONTROL VALVE AND COVER

TS-3816-P-48-55G

BRAKE LINES For serial 5123 thru 5142

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	552373	MASTER CYLINDER.....	1	27	517265	LINE, Master Cyl. to Transmission.....	1
1A	869449	#REPAIR KIT, Master Cylinder	1	28	62F-3	ELBOW, Line to Transmission.	1
2	1C-614	BOLT, Master Cylinder - 3/8 - 16 x 7/8".....	1	29	517266	LINE, Master Cyl. to Rear Wheel Line.....	1
3	4E-06	LKWSHR, Master Cylinder - 3/8.....	1	30	517293	CLIP, Lines to Frame.....	1
4	2C-760	BOLT, Master Cylinder - 7/16 - 20 x 3 3/4".....	1	31	2C-618	BOLT, Clip to Frame.....	1
5	2D-07	NUT, Master Cylinder - 7/16.	1	32	2D-06	NUT, Clip to Frame.....	1
6	4E-07	LKWSHR, Master Cylinder - 7/16.....	1	33	4E-06	LKWSHR, Clip to Frame.....	1
7	552264	FITTING, Master Cylinder....	1	34	75F-1	COUPLING, Center Trunnion Bracket.....	1
8	692722	BOLT, Master Cylinder Fitting.....	1	35	59F-3	CONNECTOR, Coupling.....	2
9	613750	GASKET, Fitting - Copper....	1	36	651452	HOSE, Coupling to Rear Frame Tee.....	1
10	620238	GASKET, Fitting - Copper....	1	37	552897	TEE, Rear Frame.....	1
11	517262	LINE, Master Cyl. to Tee....	1	38	2C-614	BOLT, Tee to Frame.....	1
12	517292	CLIP, Line to Frame.....	1	39	2D-06	NUT, Tee to Frame.....	1
13	2C-612	BOLT, Clip to Frame.....	1	40	4E-06	LKWSHR, Tee to Frame.....	1
14	2D-06	NUT, Clip to Frame.....	1	41	525531	LINE, Rear Tee to R.H. Hose.	1
15	4E-06	LKWSHR, Clip to Frame.....	1	42	525532	LINE, Rear Tee to L.H. Hose.	1
16	552897	TEE, Frame.....	1	43	552374	HOSE, Line to Line.....	2
17	2C-618	BOLT, Tee to Frame.....	1	44	8D-10	NUT, Hose Jam.....	4
18	2D-06	NUT, Tee to Frame.....	1	45	517270	LINE, Hose to Left Wheel....	1
19	4E-06	LKWSHR, Tee to Frame.....	1	46	517269	LINE, Hose to Right Wheel... 1	
20	519601	LINE, Tee to Right Front Wheel.....	1	47	6H-4	CLIP, Line to Frame.....	4
21	519602	LINE, Tee to Left Front Wheel.....	1	48	2C-608	BOLT, Clip to Frame - 1/2".... 2	
22	519669	HOSE, Line to Front Wheels..	2	49	2C-612	BOLT, Clip to Frame - 3/4".... 2	
23	6H-4	CLIP, Line to Frame.....	2	50	2D-06	NUT, Clip to Frame.....	4
24	2C-614	BOLT, Clip to Frame.....	2	51	4E-06	LKWSHR, Clip to Frame.....	4
25	2D-06	NUT, Clip to Frame.....	2	52	519670	HOSE, Line to Wheel.....	2
26	4E-06	LKWSHR, Clip to Frame.....	2				

BRAKE LINES For serial 5143 and thereafter

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	528607	VALVE, Power Brake.....	1	16	519669	HOSE, Line to Front Wheels..	2
2		BOLT, Valve Attaching.....	3	17	6H-4	CLIP, Line to Frame.....	2
3	2D-06	NUT, Valve Attaching.....	3	18	2C-614	BOLT, Clip to Frame.....	2
4	4E-06	LKWSHR, Valve Attaching.....	3	19	2D-06	NUT, Clip to Frame.....	2
5	633242	FITTING, Brake Valve.....	1	20	4E-06	LKWSHR, Clip to Frame.....	2
6	692722	BOLT, Fitting.....	1	21	528609	LINE, Brake Valve to Rear Tee.....	1
7	613750	GASKET, Fitting-Copper.....	1	22	528610	LINE, Rear Tee to Center Trunnion.....	1
8	620238	GASKET, Fitting-Copper.....	1	23	528611	LINE, Rear Tee to Transmission.....	1
9	528608	LINE, Brake Valve to Front Tee.....	1	24	62F-3	ELBOW, Line to Transmission.	1
10	552897	TEE, Front.....	1	25	37K-304	COUPLING, Center Trunnion Bracket.....	1
11	2C-618	BOLT, Front Tee to Frame....	1	26	38F-4	CONNECTOR, Coupling.....	1
12	2D-06	NUT, Front Tee to Frame....	1	27	550875	HOSE, Center Trunnion.....	1
13	4E-06	LKWSHR, Front Tee to Frame..	1	28	517155	HOSE, Pipe to Main Line....	2
14	519601	LINE, Tee to Right Front Wheel.....	1	29	528745	HOSE, Line to Rear Wheels... 2	
15	519601	LINE, Tee to Left Front Wheel.....	1				

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

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75A TIMBER TRACTOR
LUBRICATION

The importance of proper lubrication cannot be overemphasized. It is the most essential single factor in a well planned preventive maintenance program. Refer to lubrication diagrams to locate the various points to be serviced. Before servicing machine, always wipe dirt and foreign material from grease fittings, clips, plugs, or covers to prevent dirt, grit or foreign material from entering.

The lubrication diagrams are divided into three groups covering: (1) Tractor (2) Logging Rig and (3) Drive Line - Torque Converter, Transmission, Axles, and connecting Propeller Shafts.

Frequency of servicing Tractor is indicated as required every 8 hours, 50 hours, 250 hours, 500 hours, and 1000 hours of operation. Frequency of servicing Logging Rig and Drive Line is indicated as required every 8 hours, 50 hours, 500 hours, and 1000 hours of operation.

Be sure machine is setting level when checking various lubricant levels.

SERVICE DAILY
(EVERY 8 OPERATING HOURS)

Grease Fittings: Use good grade chassis grease and lubricate all points indicated on lubrication charts requiring lubrication at 8 hour intervals.

Engine and Accessories: Refer to Operation and Maintenance Manual of engine manufacturer for lubrication and maintenance instructions of engine and accessories.

Air Cleaner: Service daily or oftener as required. This is important. Under some operating conditions this unit may require cleaning several times each day. To clean, remove cup, scrape out sediment and wash cup in clean kerosene. Refill cup with clean oil to height of oil level mark using same grade oil used in engine crankcase.

Capacity: Cummins Diesel..... 5 qt.
Continental Gas..... 2 qt.

Also, see "Service Every 50 Operating Hours".

Hydraulic System Reservoir: Reservoir is located at working end of operator's compartment. With blade resting on ground and engine shut down, check and maintain oil level to indicated mark on sight glass. Add oil when necessary using premium quality hydraulic oil with following characteristics.

Viscosity Index.....	90-100
SSU Viscosity at 100° F.....	190-210
Pour Point.....	-25° F.
Flash Point (minimum).....	370° F.

Oil Must Contain Rust and Oxidation Inhibitors and
Must not Foam in Service

See "Service Periodically" for Drain and Refill.

Radiator: Check daily and refill as required with clean, soft water. See "Service Periodically" for Drain and Refill.

Torque Converter and Transmission: Check fluid level in transmission daily, when fluid is hot (180° F. to 200° F.) by removing level plug on lower rear face of transmission. This check is to be performed with engine idling.

Refill as necessary to level plug opening in transmission, by adding Type "A" Automatic Transmission Fluid at filler plug in torque converter. See "Service Periodically" for Drain and Refill.

Fuel Tank: Fill tank with clean fuel handled in clean containers. Use a good brand procured from a reliable company. Cummins Diesels require No. 2 Diesel fuel oil, Cetane 40 minimum. Continental gasoline engines require gasoline of 75 Octane or higher. Also see "Service Each 50 Operating Hours".

Batteries: Keep terminals clean and tight, and be sure that distilled water is added to cover plates and separators in each cell.

Winch Assembly: Refer to Service and Parts Manual of winch manufacturer for lubrication and maintenance of winch assembly.

SERVICE WEEKLY
(EVERY 50 OPERATING HOURS)

Grease Fittings: Use good grade chassis grease and lubricate all points indicated on lubrication charts requiring lubrication at 50 hour intervals.

Engine and Accessories: Refer to Operation and Maintenance Manual of engine manufacturer for lubrication and maintenance instructions of engine and accessories.

Air Cleaner: The air cleaner has a removable inner tray screen. The tray screen generally will drop with the oil cup. If not, it can be removed by tapping with the heel of the hand.

Remove inner tray screen, wash in solvent, dry, and reinstall. Also, see "Service Periodically".

Axle Differentials: Check lubricant level in front and rear axle differentials each 50 hours of operation. Add SAE 90 Extreme Pressure Gear Lube (*SCL Type) until level with filler plug openings. See "Service Periodically" for Drain and Refill.

Axle Planetary Hubs: Check lubricant level in front and rear axle planetary hubs each 50 hours of operation. Position wheel so that fill and level plug in outer diameter of hub and drum assembly is at 3 or 9 o'clock position. Add SAE 90 Extreme Pressure Gear Lube (*SCL Type) until level with plug opening. See "Service Periodically" for Drain and Refill.

Steering Gears: Check oil level each 50 operating hours. Keep reservoirs filled with SAE 90 Straight Mineral Oil.

Tires: Check air pressure in all tires each 50 operating hours. See Specifications Section for inflation pressure. Hydro-inflated tires should be checked at more frequent intervals as there is less volume of air to provide cushioning. Be sure valve caps are in place to prevent dirt, moisture, and foreign material from damaging valve core. Keep tires free from oil and grease, and repair cuts immediately to prolong tire life.

Hydraulic Reservoir Breather: The main hydraulic and steering systems draw oil from a common reservoir. The reservoir open to atmospheric pressure is protected by a mesh type breather serving as a filler cap to admit only clean, filtered air.

Each 50 operating hours remove filler cap, wash in solvent, blow dry with compressed air and reinstall.

Torque Converter and Transmission Breathers: The transmission and torque converter hydraulic system is equipped with breathers at two points. Breathers are located on transmission control cover and converter housing.

Each 50 operating hours remove breather caps and elements, clean parts in solvent, blow dry with compressed air and reassemble.

Fuel Float Tank: Each 50 operating hours open drain cock to remove accumulated water and sediment.

*"SCL" signifies Sulfo-Chloro-Lead Type. Factory fill is made with SCL Type lube and it is recommended that same type be used when adding or refilling.

CLARK

Skid Pans: Due to accumulation of brush, leaves, etc., skid pans on Tractor must be removed and cleaned every 50 operating hours, or oftener as required, to eliminate fire hazard.

SERVICE PERIODICALLY

Check and service the following items at intervals as specified.

(EVERY 250 OPERATING HOURS)

Engine and Accessories: Refer to Operation and Maintenance Manual of engine manufacturer for lubrication and maintenance instructions of engine and accessories.

Torque Converter and Transmission Filter: Replace filter element every 250 operating hours and whenever converter pump, transmission or torque converter is repaired or overhauled for any reason.

Filter is located on frame member beneath left side floorboard. Thoroughly clean filter case and cover before inserting new element. Using new gasket in cover, tighten center bolt to 50 ft. lbs. torque.

Run engine five minutes at approximately 1500 rpm checking filter assembly, hoses and connections for leaks. Reduce engine to idle speed (550-600 rpm) and recheck transmission fluid level. This check is to be performed when fluid is at operating temperature (180° F. to 200° F.). Add Type "A" Automatic Transmission Fluid as required to reach level plug opening in transmission case.

NOTE: Filter element is especially designed to withstand pressure and flow rate requirements. Use only replacement filter element called for in applicable parts manual. Use of "will-fit" or substitute element will endanger proper operation of transmission and torque converter and cause costly repairs and downtime.

(EVERY 500 OPERATING HOURS)

Engine and Accessories: Refer to Operation and Maintenance Manual of engine manufacturer for lubrication and maintenance instructions of engine and accessories.

Winch Assembly: Refer to Service and Parts Manual of manufacturer for lubrication and maintenance of winch assembly.

Air Cleaner: Each 500 operating hours while servicing air cleaner, remove rain cap and wash in solvent. Pass a clean cloth thru center tube to remove dirt and oil accumulation.

Propeller Shafts and Universal Joints: There are four propeller shafts - one from torque converter to transmission, one from transmission to front drive axle, one from transmission to center trunnion, and one from center trunnion to rear drive axle. Each shaft has 3 points of lubrication - one on each spider assembly, and one on slip yoke assembly. Total 12 points. Remove pipe plugs and install grease fittings. Use a hand gun and apply a good grade chassis grease sparingly every 500 hours of operation. Remove grease fittings and reinstall pipe plugs.

Trunnion Pivot Tube: Every 500 operating hours, drain and refill trunnion pivot tube. Remove grease type fitting at bottom of tube and drain lubricant. Reinstall fitting and refill tube through fitting with SAE-90 Straight Mineral Oil. Capacity - 1 pint.

Torque Converter and Transmission: Drain and refill torque converter and transmission every 500 operating hours.

Fluid should be drained only when it is hot (180° F. to 200° F.).

1. Remove drain plugs from both torque converter and transmission housings, and drain thoroughly.
2. Remove transmission sump and screen, clean in solvent, dry, and reinstall, using new gaskets.
3. Replace element in transmission and torque converter filter assembly (filter on left-hand frame side rail beneath floorboard). Thoroughly clean filter case and cover before inserting new element. Using new gasket in cover, tighten center bolt to 50 ft. lbs. torque.
4. Remove breather cap and element from top of transmission and torque converter. Clean parts in solvent, blow dry with compressed air, and reassemble.
5. Refill torque converter and transmission with Type "A" Automatic Transmission Fluid thru filler opening on converter housing until it reaches level plug opening in transmission case. Capacity - approximately 7 gals.
6. Reinstall filler and level plugs, and run engine 2 minutes at idle speed (550-600 rpm) to prime torque converter.
7. Recheck level of fluid in transmission with engine idling, and add quantity necessary to reach level plug opening in transmission case.

8. Recheck bolts, drain and level plugs, hoses, and filter assembly for leaks, and tighten if necessary. NEVER UNDER ANY CIRCUMSTANCES USE ANY FLUSHING OIL OR COMPOUNDS FOR CLEANING THE SYSTEM.

Hydraulic System Filter: Every 500 operating hours replace filter element in hydraulic system filter (filter at rear of hydraulic system reservoir). Thoroughly clean filter case and base casting before inserting new element. Using new gasket in base casting, tighten center bolt to 50 ft. lbs. torque. Run engine 5 minutes at approximately 1500 rpm, checking filter installation for leaks.

NOTE: Filter element is especially designed to withstand pressure and flow rate requirements. Use only replacement filter element called for in applicable parts manual. Use of "will-fit" or substitute element will endanger proper operation of hydraulic system and cause costly repairs and downtime.

(EVERY 1000 OPERATING HOURS)

Radiator: Twice a year, drain, flush and refill cooling system. Add permanent type anti-freeze according to manufacturer's instructions when air temperature is 32° F. or lower, or when there is danger of water freezing in the system. Always use a hydrometer to check freezing point of solution when it is at operating temperature.

Capacity:	Cummins Diesel.....	36 qt.
	Continental Gas.....	34 qt.

Axle Differentials: Drain and refill front and rear axle differentials every 1000 operating hours. Refill with SAE 90 Extreme Pressure Gear Lube (*SCL Type) until level with filler plug openings.

Capacity:	12-½ gallons.....	front differential
	8 gallons.....	rear differential

Axle Planetary Hubs: Drain and refill front and rear axle planetary hubs every 1000 operating hours. Position wheel so that filler plug in outer diameter of hub and drum assembly is at 3 or 9 o'clock position, and refill with SAE 90 Extreme Pressure Gear Lube (*SCL Type) until level with plug opening.

Capacity:	15 qts. (each).....	front planetaries
	12 qts. (each).....	rear planetaries

*"SCL" signifies Sulfo-Chloro-Lead Type. Factory fill is made with SCL Type lube and it is recommended that same type be used when adding or refilling.

Hydraulic System Reservoir: Drain, clean, and refill hydraulic oil system every 1000 hours of operation, or oftener if required. When operating under severe dusty and dirty conditions, the system should be cleaned and refilled more often to prevent excessive wear or premature failure of valve, pump, or cylinder parts.

1. Always drain system after working machine, and while oil is at operating temperature. Hot oil flows more freely, and carries more foreign material with it.
2. Remove cover and breather from top of reservoir. Clean breather to permit passage of air.
3. Disconnect hydraulic hose from steering filter to reservoir at the filter and drain reservoir.
4. Disconnect blade cylinder hoses at lowest points to drain cylinders.
5. Remove sight glass and clean all foreign material from bottom of reservoir, being careful not to force dirt into lines, and valve. Remove magnet from bottom of reservoir, clean thoroughly and re-install.
6. After oil has stopped draining, and foreign material removed, re-connect all hoses and unions.
7. Replace element in steering hydraulic system filter assembly (filter at rear of hydraulic system reservoir). Thoroughly clean filter case and base casting before inserting new element. Using new gasket in base casting, tighten center bolt to 50 ft. lbs. torque.
8. Refill reservoir to level mark on sight glass with clean hydraulic oil. Capacity - approximately 25 gals.
9. Be sure all control levers are in neutral position. Then start engine and let it run at idle speed for a few minutes.
10. Operate blade and winch drum control levers, and cycle steering gear until oil ceases to foam.

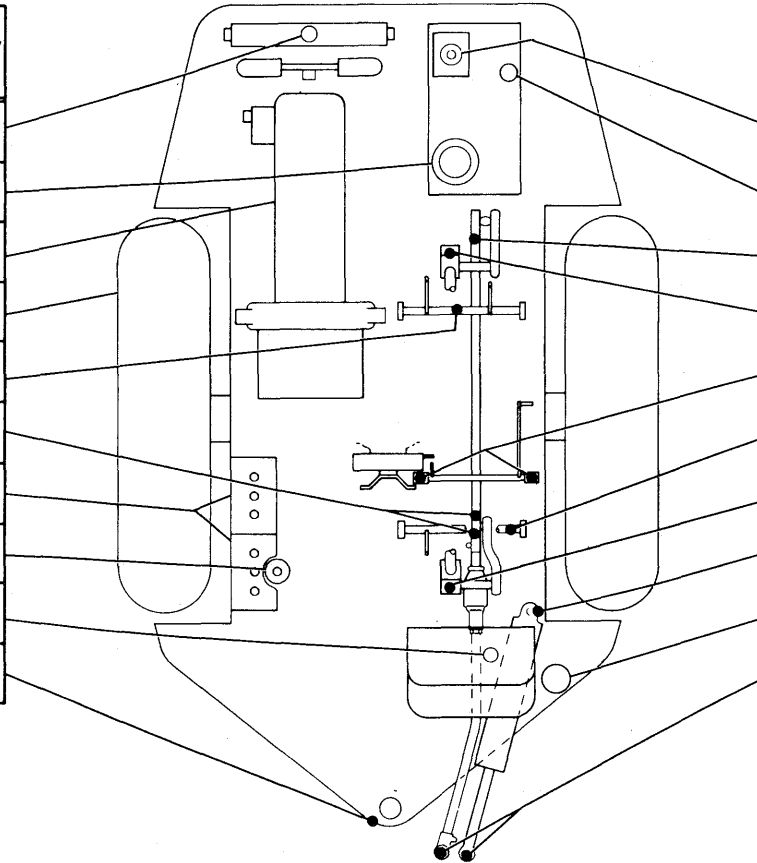
This will "bleed" the system, forcing trapped air to escape through reservoir breather.
11. After oil has ceased to aerate, add oil to reservoir to bring it to level mark on sight glass. This is necessary to replace oil drawn into cylinders and hoses.
12. Check all connections for leaks. Be sure reservoir cap is in place. NEVER UNDER ANY CIRCUMSTANCES USE ANY FLUSHING OIL OR COMPOUNDS FOR CLEANING HYDRAULIC SYSTEM.

**CLARK
EQUIPMENT**

TRACTOR LUBRICATION

MICHIGAN

DESCRIPTION	HOURS				KEY
	1000	500	250	50	
RADIATOR (See Text)				X	
AIR CLEANER (See Text)	X		X	X	OE
ENGINE & ACCESSORIES (See Text)				X	
TIRES (See Text)			X		
BRAKE PEDAL SHAFT 1 Fitting				X	CG
STEERING DRAG LINK 2 Fittings				X	CG
BATTERIES (See Text)				X	
TRANSMISSION & TORQUE CONVERTER FILTER (See Text)			X		TA
HYDRAULIC RESERVOIR & BREATHER (See Text)	X				HO
TRUNNION PIVOT BUSHING 2 Fittings — 1 Top & 1 Bottom				X	CG



KEY	HOURS					DESCRIPTION
	8	50	250	500	1000	
		X				FUEL FLOAT TANK DRAIN COCK (See Text)
	X					FUEL TANK (See Text)
CG	X					STEERING DRAG LINK 1 Fitting
GL		X				STEERING GEAR (See Text)
CG	X					PARKING BRAKE SHAFT 2 Fittings
CG	X					BRAKE PEDAL SHAFT 1 Fitting
GL		X				STEERING GEAR (See Text)
CG	X					STEERING CYLINDER ANCHOR 1 Fitting
HO				X		HYDRAULIC SYSTEM FILTER (See Text)
CG	X					STEERING VALVE DRAG LINK & CYLINDER PIVOT 2 Fittings

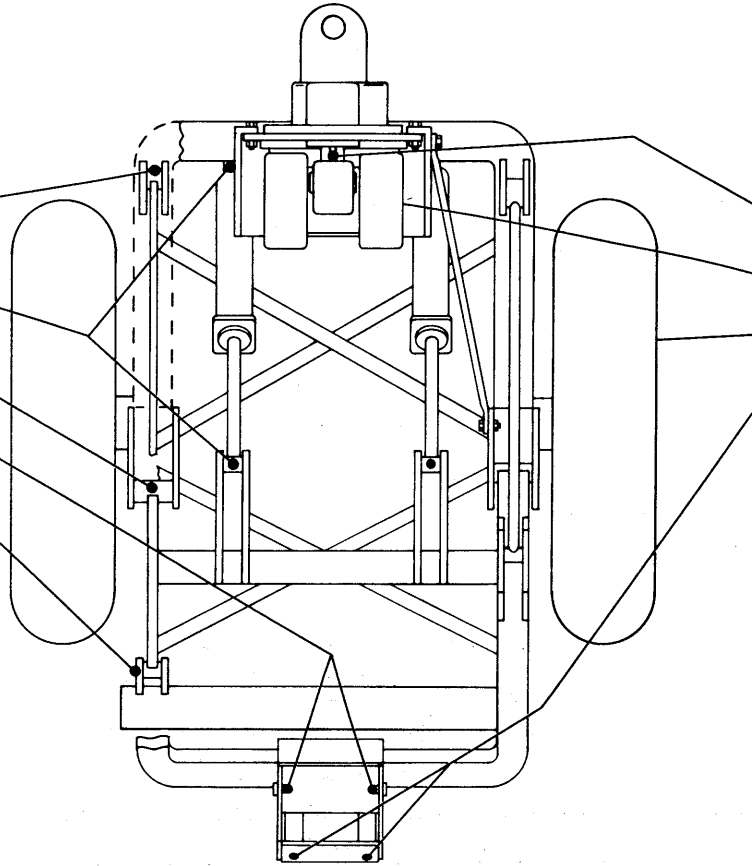
KEY	
CG	CHASSIS GREASE
GL	S. A. E. 90 STRAIGHT MINERAL OIL
OE	ENGINE OIL
HO	HYDRAULIC OIL
TA	TYPE 'A' AUTOMATIC TRANSMISSION FLUID

**TIMBER TRACTOR
MODEL 75**

**CLARK
EQUIPMENT**

LOGGING RIG LUBRICATION

MICHIGAN



DESCRIPTION	HOURS		KEY
	500	50	
BLADE LOWER ARM PIVOT 1 Fitting Each Side		X	CG
BLADE CYLINDERS 2 Fittings Each Cylinder		X	CG
BLADE UPPER ARM PIVOT 1 Fitting Each Side		X	CG
MAIN ROLLER BUSHINGS 2 Fittings		X	CG
BLADE PIVOT UPPER & LOWER 2 Fittings Each Side		X	CG

KEY	HOURS		DESCRIPTION
	50	500	
CG	X		WINCH MOTOR 1 Fitting (Sparingly With Hand Gun)
	X	X	WINCH ASSEMBLY (See Text)
		X	TIRES (See Text)
CG	X		SIDE ROLLER BUSHINGS 2 Fittings

KEY

CG CHASSIS GREASE

**TIMBER TRACTOR
MODEL 75**

**CLARK
EQUIPMENT**

DRIVE LINE LUBRICATION

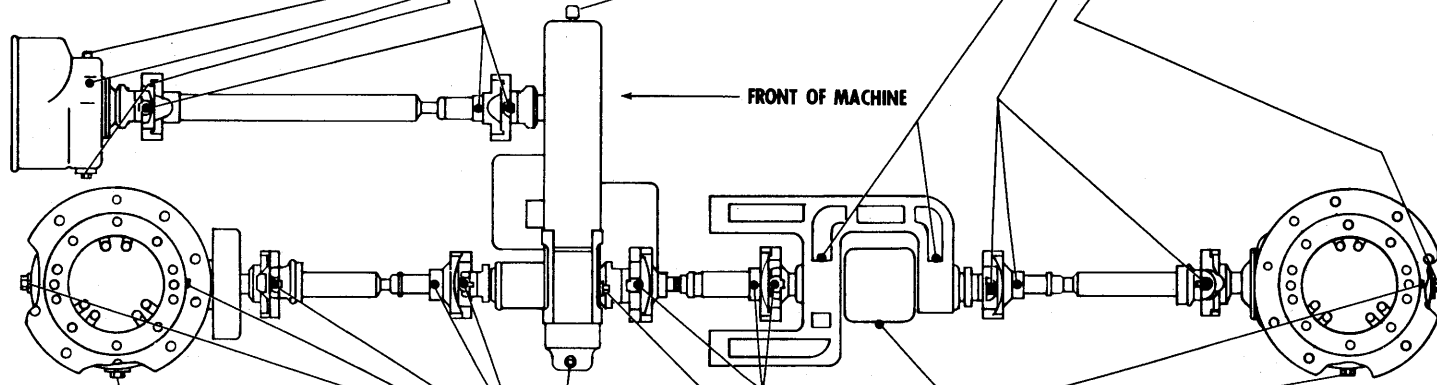
MICHIGAN

DESCRIPTION	HOURS			KEY
	1000	500	8	
PROPELLER SHAFT 3 Fittings (See Text)	X			CG
TORQUE CONVERTER HOUSING DRAIN PLUG (See Text)	X			
TRANSMISSION & TORQUE CONVERTER FILL PLUG (See Text)	X			TA
TORQUE CONVERTER BREATHER (See Text)		X		

KEY	
CG	CHASSIS GREASE
TA	TYPE 'A' AUTOMATIC TRANSMISSION FLUID
GL	SAE-90 STRAIGHT MINERAL OIL
EPGL	SAE-90 EXTREME PRESSURE GEAR LUBE ('SCL TYPE)

*"SCL" Signifies Sulfo-Chloro-Lead type. Factory fill is made with SCL type lube and it is recommended that same type be used when adding or refilling.

KEY	HOURS				DESCRIPTION
	8	50	500	1000	
		X			TRANSMISSION BREATHER (See Text)
CG	X				TRUNNION PIVOT BUSHINGS 2 Fittings
CG			X		PROPELLER SHAFT 3 Fittings (See Text)
EPGL	X		X		DIFFERENTIAL FILL & LEVEL PLUG (See Text)



DIFFERENTIAL DRAIN PLUG (See Text)	X				
DIFFERENTIAL FILL & LEVEL PLUG (See Text)	X	X			EPGL
PLANETARY FILL & LEVEL PLUG (See Text)	X	X			EPGL
PROPELLER SHAFT 3 Fittings (See Text)		X			CG
TRANSMISSION DRAIN PLUG (See Text)		X			

			X		DIFFERENTIAL DRAIN PLUG (See Text)
EPGL	X		X		PLANETARY FILL & LEVEL PLUG (See Text)
GL		X			TRUNNION PIVOT TUBE (See Text)
CG			X		PROPELLER SHAFT 3 Fittings (See Text)
	X				TRANSMISSION LEVEL PLUG (See Text)

**TIMBER TRACTOR
MODEL 75**

SPECIFICATIONS AND SERVICE DATA

<u>ENGINE</u>	<u>Gasoline</u>	<u>Diesel</u>
Make.....	Continental.....	Cummins
Model.....	M-6330.....	JF-6-BI
Maximum horsepower.....	110.....	110
Governed RPM.....	2200.....	2200
Maximum torque, ft. lbs..	280 @ 1550.....	300 @ 1600
Bore and stroke.....	4" x 4-3/8".....	4-1/8" x 5"
Number of cylinders.....	6.....	6
Displacement, cu. in.....	330.....	401

POWER TRAIN

Torque Converter: Clark industrial type 3.0-1 multiplication factor.

Transmission: Clark power-shifted four speed, full reversing type with selector for two or four-wheel drive.

Axles: Clark all wheel drive, spiral bevel ring gear and pinion with planetary reduction in wheels.

<u>Maximum Travel Speeds</u> :	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>
Forward, MPH.....	5	9.1	14.8	29.6
Reverse, MPH.....	5	9.1	14.8	29.6

HYDRAULIC SYSTEM

Main Hydraulic Pump: Gear type, driven from engine by splined P.T.O. shaft through the torque converter. Flange mounted on converter. Capacity - 55 GPM at governed engine speed.

Steering Pump: Gear type, driven from engine by splined P.T.O. shaft through the torque converter. Flange mounted on converter. Capacity - 25 GPM at governed engine speed.

Converter Charging Pump: Gear type, driven from engine by splined P.T.O. shaft through the torque converter. Flange mounted on converter. Capacity - 11.5 GPM at governed engine speed.

Main Hydraulic Control Valve: Two spool type, with built-in adjustable relief valve. Pressure - 1500 psi at maximum engine rpm.

Steering Pressure Relief Valve: Single spool type, adjustable. Pressure 1500 psi at maximum engine rpm.

Pressure Regulator Valve Assembly: Single spool type, non-adjustable, mounted on back cover of converter. Regulates transmission clutch and converter pressures. Oil temperature must be at least

CLARK

180° F. to 200° F. Transmission clutch pressure - 160 psi at 550-600 rpm - 200 psi at maximum rpm.

Stabilizer Blade Cylinders: Two, 3-½" diameter, double acting.

Steering Cylinder: One, 4-½" diameter, double acting.

Reservoir: Electric welded with baffles, sight glass, and hand hole for cleaning.

BRAKES

Service: Four wheel hydraulic.

Parking: Mechanical on drive shaft.

WEIGHT

Gas.....	16,000 lbs.
Diesel.....	17,000 lbs.

OVERALL MEASUREMENTS

Height (over exhaust cap).....	9' 1-½"
Width (84" tread).....	8' 5-½"
Length Overall (blade on ground).....	21' 5-½"
Wheelbase.....	11' 1"
Clearance under axle.....	1' 9"

TURNING RADIUS

Outside Tires.....	17' 9"
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WINCH

Make.....	Carco
Model.....	A-4
Drive.....	Hydraulic
Line Pull (bare drum).....	15,500 lbs.
Line Speed.....	80 f.p.m.
Capacity (drum).....	150 ft.
Cable Size.....	5/8"

CAPACITIES

Air Cleaner:

Cummins Diesel.....	5 qt.
Continental Gas.....	2 qt.

Cooling System:

Cummins Diesel.....	36 qt.
Continental Gas.....	34 qt.

Engine Crankcase:

Cummins Diesel.....	20 qt.
Continental Gas.....	5 qt.
Front Drive Axle Differential.....	12- $\frac{1}{2}$ gal.
Rear Drive Axle Differential.....	8 gal.
Front Drive Axle Planetary Hubs (each),,,,	15 qt.
Rear Drive Axle Planetary Hubs (each).....	12 qt.
Torque Converter and Transmission (approx.).....	7 gal.
Hydraulic System (approx.).....	25 gal.
Fuel Tank.....	38 gal.
Trunnion Pivot Tube.....	1 pt.

BATTERIES

Make and Part No.....	XF-19
Number.....	2-6 volt in series
Electrical System.....	12 volts
Grounded Terminal.....	Positive
Specific Gravity.....	1.230-1.260
(not over .025 variance between adjacent cells)	

ELECTRICAL SYSTEM

Fuses:

Gauge Circuit.....	SFE 4 amp.
Light Circuit.....	SFE 20 amp.
Wiper Circuit.....	SFE 8 amp.

Generator.....	12 volt
Glow Plug (Cummins only).....	6 volt, 30 amp.
Glow Plug Circuit Breaker (Cummins only).....	25 amp.
Horn.....	12 volt

Instruments:

Panel Gauges.....	12 volt
Sender Units.....	12 volt

Lamps:

Front Headlights.....	12 volt, 40 watt
Rear Headlights.....	12 volt, 40 watt
Dash.....	12 volt, 3 C.P.
Glow Plug Indicator (Cummins only).....	6 volt, 3 C. P.

Starting Motor.....	12 volt
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TIRES

<u>Tires</u>	<u>Size</u>	<u>Ply Rating</u>	<u>Inflation PSI</u>	<u>Type</u>
Normal Service	15x34	10	25	Traction

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MICHIGAN TRACTOR SHOVEL

**CLARK
EQUIPMENT**

PARTS MANUAL SUPPLEMENT

No. 3029

★

This Supplement covers 2511040 Two Spool Control Valve Assembly for the 55A, 55A II, 75A, B & R, 75TT, and 85A Machines.

★

2511040 Two Spool Valve Assembly plus components listed inside supersedes 522962, 526664, 550282 and 562255 Valves.

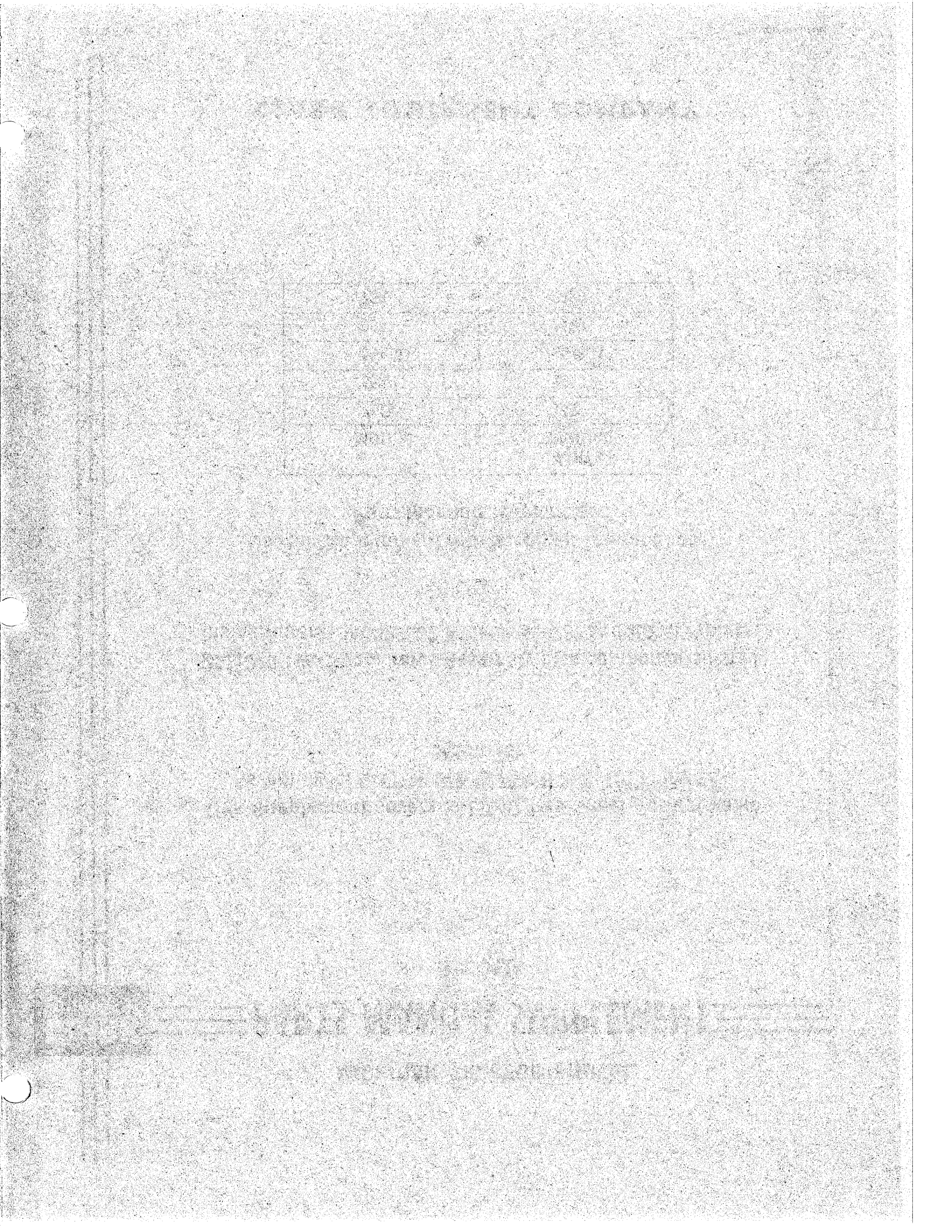
★

Use this Supplement with Michigan Tractor Shovel Parts Manuals listed below.

MODEL	PARTS MANUAL
75TT	1439
55A	1657
55A II	1678R1
85A	1729
75A	2726

★

CLARK EQUIPMENT COMPANY



When replacing the superseded valves listed on the first page of this supplement, use the following guide for proper replacement.

522962, 550282 Valve — Model 75A, B & R, 85A

Use 2511040 Control Valve

960605 Service Kit

526664 Valve — Model 55A

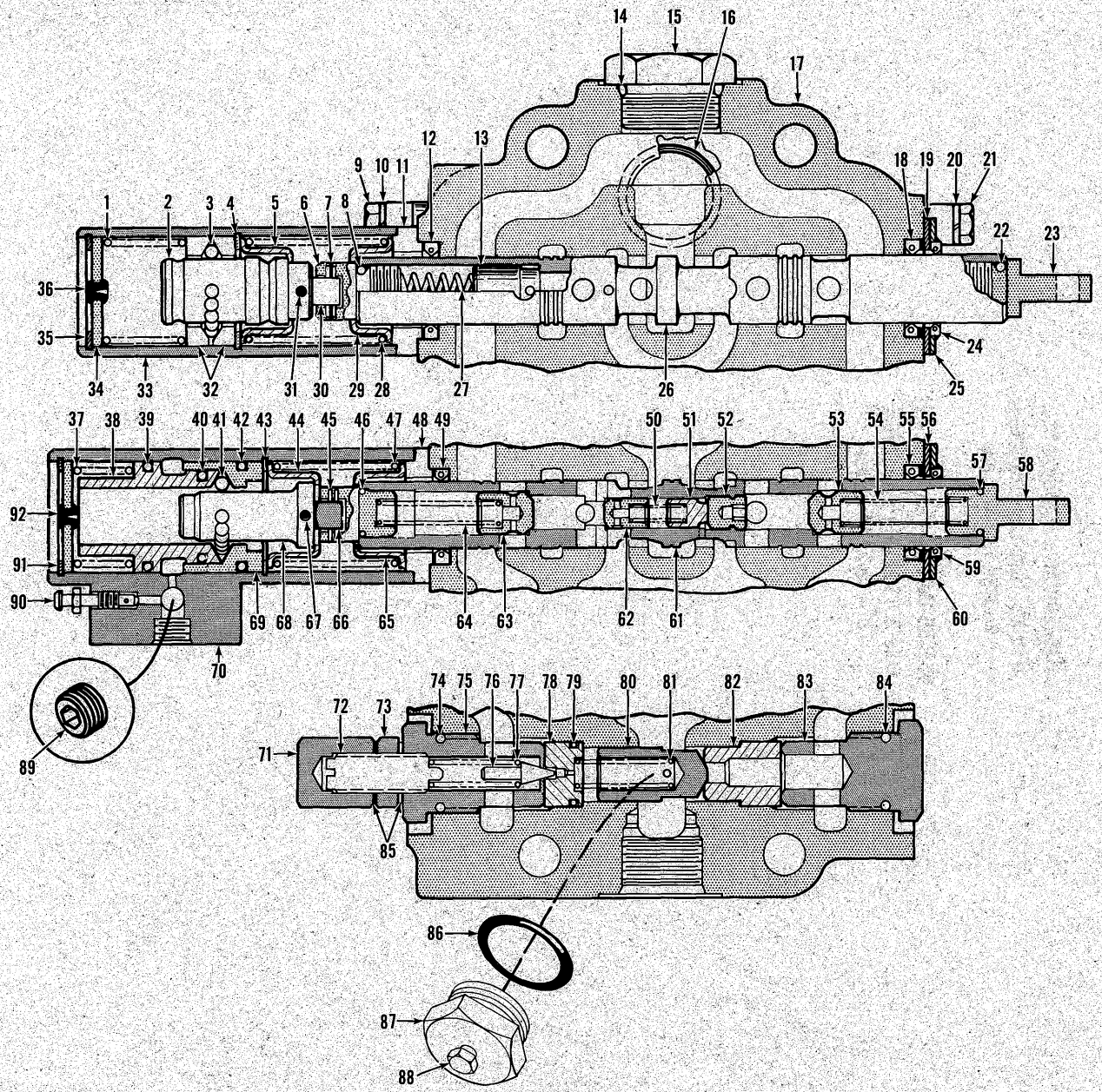
Use 2511040 Control Valve

960604 Service Kit

562255 Valve — Model 55A II

Use 2511040 Control Valve

3 — 18C-864 Bolts



Valve Assembly, Main (2 Spool)

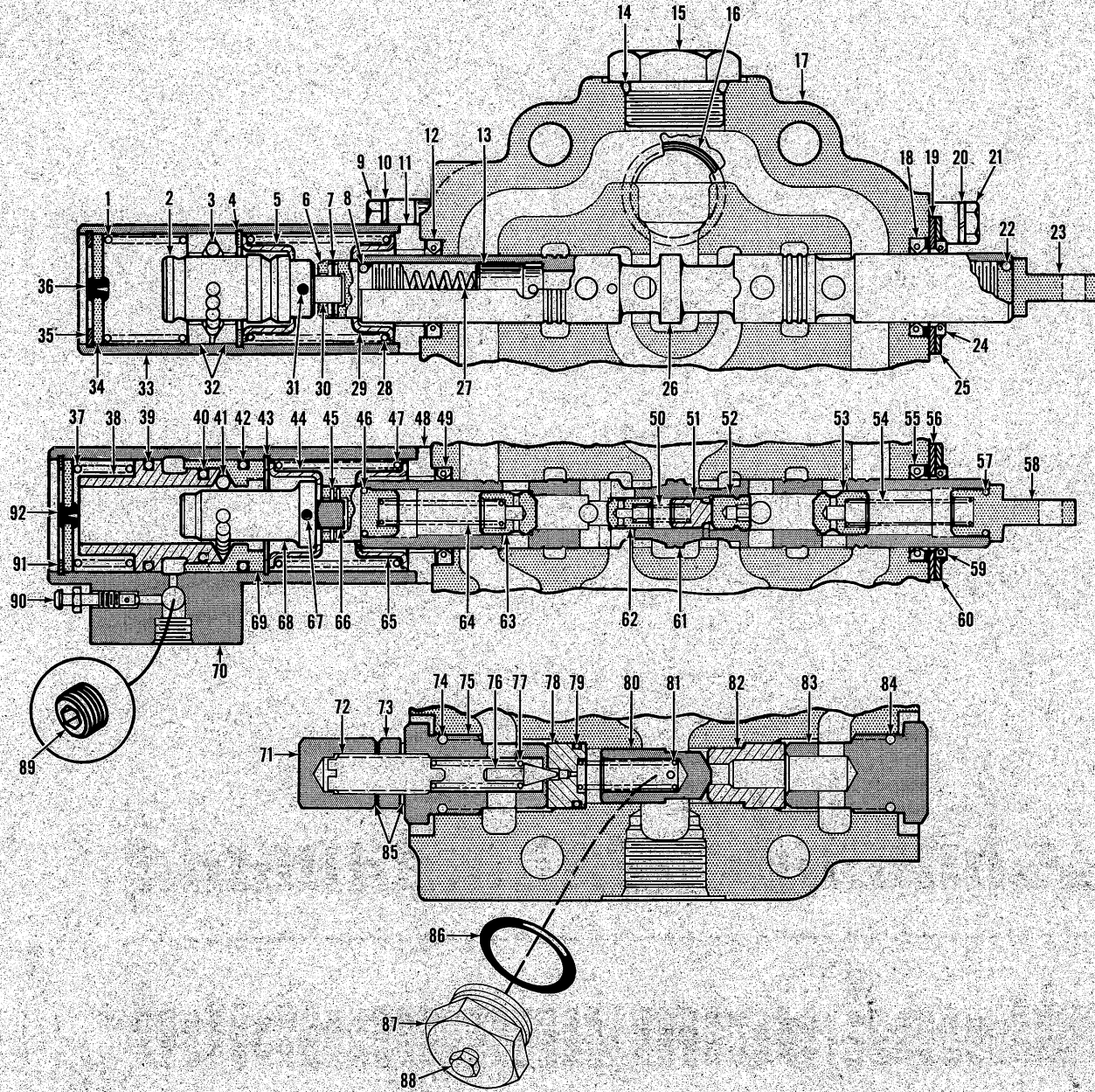


No.	Part No.	Qty.	Description
A	2511040	1	Valve assy
1	945853	1	Spring
2	945848	1	Cap
3	10J-06	15	Ball
4	1300582	1	Ring
5	888451	1	Retainer
6	961005	1	Cap
7	300232	1	Pin
8	25K-30014	1	O-ring
9	11G-520	2	Bolt
10	4E-05	2	Lockwasher
11	960971	1	Plate
12	961004	1	Seal
13	945590	1	Check
14	91F-10	2	O-ring
15	24K-10	2	Cap
16	25K-40106	1	O-ring
17	S ³ -----	—	Housing
18	961004	1	Seal
19	960966	1	Plate
20	4E-05	4	Lockwasher
21	1C-512	4	Bolt
22	25K-30014	1	O-ring
23	945226	1	Plunger eye
24	960968	1	Wiper
25	960967	1	Plate
26	S ³ -----	—	Plunger
27	871388	1	Spring
28	888452	1	Spring
29	888451	1	Retainer
30	888449	1	Pin
31	300232	1	Pin
32	886758	2	Retainer
33	886761	1	Cover
34	886762	1	Plug
35	755855	1	Retainer
36	886763	1	Plug
37	945233	1	Spring
38	945231	1	Retainer
39	58K-124	1	O-ring
40	58K-121	1	O-ring
41	10J-06	12	Ball
42	58K-124	1	O-ring
43	1300582	1	Ring
44	888451	1	Retainer
45	300232	1	Pin
46	25K-30014	1	O-ring

¹See Index

²Inc. 1 → 92

³See "A"



Valve Assembly, Main (2 Spool)



No.	Part No.	Qty.	Description
47	888455	1	Spring
48	960971	1	Plate
49	961004	1	Seal
50	§ ³ _____	—	Spring
51	§ ³ _____	—	Piston
52	§ ³ _____	—	Cap
53	945590	1	Check
54	871388	1	Spring
55	961004	1	Seal
56	960966	1	Plate
57	25K-30014	1	O-ring
58	945226	1	Plunger eye
59	960968	1	Wiper
60	960967	1	Plate
61	§ ³ _____	—	Plunger
62	§ ³ _____	—	Check
63	945590	1	Check
64	946540	1	Spring
65	888451	1	Retainer
66	888449	1	Pin
67	730432	1	Pin
68	945232	1	Cap
69	945217	1	Retainer
70	945234	1	Housing
70A	†11G-520	2	Bolt
70B	†4E-05	2	Lockwasher
71	49D-08	1	Nut
72	980834	1	Screw
73	8D-08	1	Nut
74	58K-210	1	O-ring
75	980835	1	Cap
76	886739	1	Poppet
77	886753	1	Spring
78	960964	1	Seat
79	25K-30020	1	O-ring
80	960965	1	Check
81	947791	1	Spring
82	960963	1	Seat
83	980838	1	Cap
84	58K-210	1	O-ring
85	613750	2	Washer
86	91F-8	1	O-ring
87	945430	1	Cap
88	40K-04	1	Plug
89	16F-02	1	Plug
90	641297	1	Screw
91	755855	1	Retainer
92	886763	1	Plug

¹See Index
²Inc. 1 → 92
³See "A"

