

ADDITIONAL PUBLICATIONS AVAILABLE
FOR
MODEL 745 WHEEL LOADER SERIAL NUMBER 1001 and UP
(See NOTE below)

FORM NO.	DESCRIPTION	SERIAL NO.
Parts Catalogs		
626019	Cab Glass - - - - -	All
645323	Injection Pump (Roosa-Master) - - - - -	All
Operating Instructions and Field Maintenance Manuals		
3048957	745 - - - - -	All
Service Manuals		
3044600	Axle - - - - -	All
3050782	Brakes - - - - -	All
645121	Engine - - - - -	All
645652	Turbocharger - - - - -	All
3050386	Transmission and Torque Converter - - - - -	All
3047342	Loader Hydraulic System - - - - -	All
650850	Service Tools - - - - -	All
3050753	Power Steering System - - - - -	All

IMPORTANT

The terms "right" and "left" used throughout this parts catalog are determined by facing the direction of forward travel. However, the engine is mounted unconventionally with the flywheel toward the front of the machine but all engine parts are designated in respect to the engine as it would be installed in a conventional machine with the flywheel to the rear.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc. are indented immediately following the parts which they attach.

All parts marked with "□" preceding the description are listed in the front of the parts list under "PACKAGED PARTS". Each part number is listed in it's respective kit.

INSTRUCTIONS FOR ORDERING PARTS

ALWAYS GIVE THE MODEL AND ENGINE SERIAL NUMBER.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Order parts from the dealer covering the local territory.

Confirm all telephone or telegraph orders in writing.

Parts for standard motor accessories such as generators and starting motors should be ordered from authorized Service Stations maintained by manufacturers of these units throughout the country.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment of the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers Manufacturing Company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so, without incurring the obligation of installing such changes on units already delivered.

MODEL IDENTIFICATION

The symbol listed below is stamped in front of the model serial number on each unit.

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
745	11000	Turbocharged Diesel powered engine, articulated four wheel drive loader unit of "modular" design, equipped with: power shift transmission, torque converter, planetary axles, power steering and power brakes.

RECORD YOUR SERIAL NUMBER BELOW

LOADER SERIAL NO. _____

ENGINE SERIAL NO. _____

TRANSMISSION SERIAL NO. _____

AXLE SERIAL NO. _____

SERIAL NUMBER LOCATIONS

LOADER SERIAL NO: On plate attached to the hydraulic tank bonnet to the left of the operators seat.

ENGINE SERIAL NO: On plate attached to the right hand side of the engine block.

TRANSMISSION SERIAL NO: On plate attached to the left side of the transmission housing.

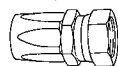
AXLE SERIAL NO: On plate attached to the axle housing.

ALPHABETICAL INDEX

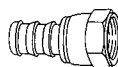
Accessory Drive	101	Drive Shaft Assembly	119, 120, 121
Air Application Valve Assembly	161	Drive Shaft Group	117
Air Brake Lines	153	Dump Cylinder Assembly Parts	211
Air Cleaner	69	Electrical System	195
Air Tank and Lines	149	Engine and Mounting	13
Axle and Supports	123	Engine Controls	62
Axle Housing Assembly (Front Axle)	127	Exhaust Manifold	38
Batteries and Cables	193	Fan	36
Battery Covers	192	Filter	
Brake Assembly (Front Axle)	131	Engine Coolant	35
Brake Assembly (Rear Axle)	141	Engine Oil	51
Bucket	231	Fuel	53
Bucket Level Indicator	209	Hydraulic Tank	225
Cab	234	Transmission Oil	116
Charging Oil Pump	104	Flex Disk and Converter Drive	83
Clutch Cut-Off Valve	146	Flywheel and Housing	27
Compressor	73	Forward Clutch and Planetary	94
Compressor Crankcase	76	Frame	183
Compressor Cylinder Block	74	Front Piping	241
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Control Valve Assembly Parts	227	Fuel Tank and Lines	59
Coolant Filter and Lines	35	Generator	202
Cowl, Floor Plate and Platform	181	Governor	78
Crankshaft	18	Heat Exchangers	47
Cylinder		High Range Clutch	99
Dump	211	High Range Clutch Transfer Drive Gear	96
Lift	213	Hose Parts	6
Power Steering	175	Housing Assembly (Rear Axle)	137
Wheel	131, 141	Hydraulic Brake Lines (Front Section)	147
Cylinder Block	15	Hydraulic Brake System (Rear Axle)	144
Cylinder Head	21	Hydraulic Controls	221
Decimal and Metric Equivalent	11	Hydraulic Control (Three Spool Valve)	223
Demand Valve Assembly	173	Hydraulic Piping Group (Rear Section)	215
Differential Carrier Assy. (Front Axle)	125	Hyd. Piping and Cylinders (F. Section)	207
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Door Assembly	236	Hydraulic Pump Assembly	219
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ALPHABETICAL INDEX

Hydraulic Tank and Valve	225	Rear Window Assembly	233
Injection Pump	52	Reverse Clutch and Planetary	93
Injection Nozzles and Lines	55	Seat and Mounting	185
Instrument Panel and Gauges	205	Shaft and Hub (Front Axle)	129
Intake Manifold	38	Shaft & Hub (Rear Axle)	139
Lift Cylinder Assembly Parts	213	Starter	201
Ladder, Hand Rail and Fenders	186	Steering Gear and Linkage	165
Light Assembly Parts	200	Steering Gear Assembly	167
Lights and Wiring	199	Steering Valve Assembly	177
Linkage Group	191	Tail Light Assembly	197
Low Range Clutch & Transfer Drive Gear	100	Tie Rod Assembly	169
Lubricating Oil Filter	51	Timing Gear Housing	29
Model Identification	3	* Torque Converter	84
Nozzle Holder Assembly	58	Transmission	82
Oil Pan	39,40	Transmission Control Group	111
Oil Pump	41, 45	Transmission Control Valve	106
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Packaged Parts	8	Transmission Housing and Covers	90
Painting & Marking	232	Transmission Oil Filter	116
Parking Brake Assembly	105	Turbine Driven Gears & Freewheel Unit	88
Parking Brake Control	108	Turbocharger	64
Piston and Connecting Rod	17	Turbocharger Assembly	67
Power Cluster Parts	157	Universal Joint Cartridge and Support	122
Power Steering Cylinder	175	Valve	
Power Steering Pump Assembly	179	Air Application	161
Primer Pump and Lines	60	Clutch Cut-Off	146
Pump		Demand	173
Engine Oil	41, 45	Hydraulic Control	221
Fuel Injection	52	Steering Gear	177
Hydraulic	219	Transmission Control	106
Power Steering	179	Valve Operating Mechanism	24
Transmission Charging Oil	104	Water Outlet Manifold	32
Water	31	Water Pump	31
Radiator	79	Wheel Group	163
Radiator Support Hood and Fenders	188	Wiper Group	238
Rear Axle Disconnect Control	113	* Torque Converter Housing	86



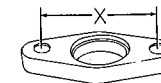
TYPE A



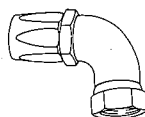
TYPE D



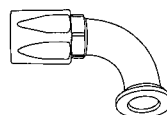
SOCKET



NIPPLE FLANGE



TYPE E



TYPE L



HOSE ROLL

HOSE PARTS

NOTE: Refer to right hand column for identity of interchangeable crimped-type hose (fittings not re-usable). Assembly number shown in left hand column indicates available replacement hose assembly with re-usable components; where no assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

HOSE ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	NIPPLE FLANGE		CRIMPED- TYPE HOSE (See NOTE)
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
	920221	53-7/8	920852		D	920867		E	919281			3043152
	920221	41-7/8	920852		A	920867		E	919281			3043426
	920795	44-1/4	921855	923263	L	921855	923263	L	920973			* 3045520
	920795	41-3/4	921855	923623	L	921855	923623	L	920973			* 3045542
	920795	41-3/4	921855	923623	L	921855	923623	L	920973			* 3045543
	920727	31-1/4	920852		A	920852		A	919281			3046770
	922357	31-7/8	920946	922832	A	920946	922832	A	920986			3046771
	922355	34-3/4	920952	921836	E	920944	920978	A	920972			* 3046772
	920795	13-1/4	920953	923251	E	920945	922831	A	920973			3046773

PACKAGED PARTS

PACKAGE NO.	DESCRIPTION
-----	DRIVE RING KIT (See CONVERTER PUMP GEARS AND SHAFT)
-----	ELEMENT KIT, filter (See TRANSMISSION FILTER)
-----	ELEMENT KIT, filter (See OIL FILTER, AND BREATHER)
-----	LINING KIT (See PARKING BRAKE ASSEMBLY)
-----	LINING KIT (See BRAKE ASSEMBLY, rigid axle)
-----	LINING KIT (See BRAKE ASSEMBLY, steering axle)
-----	REPAIR KIT (See DUMP CYLINDER)
-----	REPAIR KIT (See LIFT CYLINDER)
-----	REPAIR KIT (See STEERING CYLINDER)
-----	RING KIT (See PISTON AND CONNECTING ROD)
-----	SPACERS (DIFFERENTIAL ASSY.) (See DIFFERENTIAL CARRIER ASSY.)
3048031	SEAL AND GASKET KIT, transmission (2-speed forward, 1-reverse)
	2 164679 SEAL, oil
	1 194585 RING, seal
	2 924944 NUT, output shaft
	1 3021053 SEAL, oil
	1 3021056 GASKET, oil strainer
	1 3021058 RING, seal, plug
	2 3026156 SEAL, oil, oil pump
	1 3031847 CUP, clutch cut-off
	1 3035714 RING, seal, high clutch hub
	2 3035745 RING, seal
	1 3039422 SEAL, oil, range selector
	1 3042138 SEAL KIT (Includes expander)
	1 3042151 SEAL KIT (Includes expander)
	1 3044386 GASKET, oil pump
	1 3044400 RING, seal, oil suction tube
	1 3044402 GASKET, cover, oil pump
	2 3044474 GASKET, plug
	1 3044485 GASKET, plug
	2 3044489 GASKET, plug, detent
	6 3046029 STRIP, locking, high clutch
	2 3047668 RING, seal
	1 3047698 GASKET, housing
	2 3047701 SEAL KIT (Includes expander)
	1 3047720 SEAL KIT (Includes expander)
	2 3047724 RING, seal
	1 3047741 GASKET, cover
	1 3048842 GASKET, control valve
	1 ----- GASKET (Not req'd-discard)
	1 ----- GASKET (Not req'd-discard)
	1 ----- GASKET (Not req'd-discard)
	1 ----- SEAL, oil (Not req'd-discard)
	2 ----- SEAL, oil (Not req'd-discard)

(Continued)

PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

3048032

SEAL AND GASKET KIT, transmission (2-speed forward, 2-speed reverse)

2	0194679	SEAL, oil
1	194585	RING, seal
2	924944	NUT, output shaft
1	3021053	SEAL, oil
1	3021056	GASKET, oil strainer
1	3021058	RING, seal
2	3026156	SEAL, oil
1	3031847	CUP
1	3035714	RING, seal, low clutch piston
1	3035745	RING, seal
1	3039422	SEAL, oil
1	3042138	SEAL KIT (Includes expander)
1	3042146	RING, seal, low clutch piston
1	3044386	GASKET, pump body
1	3044400	RING, seal
1	3044402	GASKET, oil pump cover
3	3044474	GASKET
1	3044485	GASKET, plug
1	3044489	GASKET, plug
2	3047668	RING, seal
1	3047698	GASKET
3	3047701	SEAL KIT (Includes expander)
1	3047720	SEAL KIT (Includes expander)
2	3047724	RING, seal, forward clutch
1	3047741	GASKET, rear cover
1	3048842	GASKET, valve body
1	3047811	SEAL KIT (Includes expander)
1	-----	GASKET, PTO cover (Not req'd-discard)
1	-----	GASKET (Not req'd-discard)
1	-----	GASKET (Not req'd-discard)
1	-----	GASKET, governor drive (Not req'd-discard)
1	-----	SEAL, oil (Not req'd-discard)
1	-----	SEAL, oil, governor drive (Not req'd-discard)

4357678

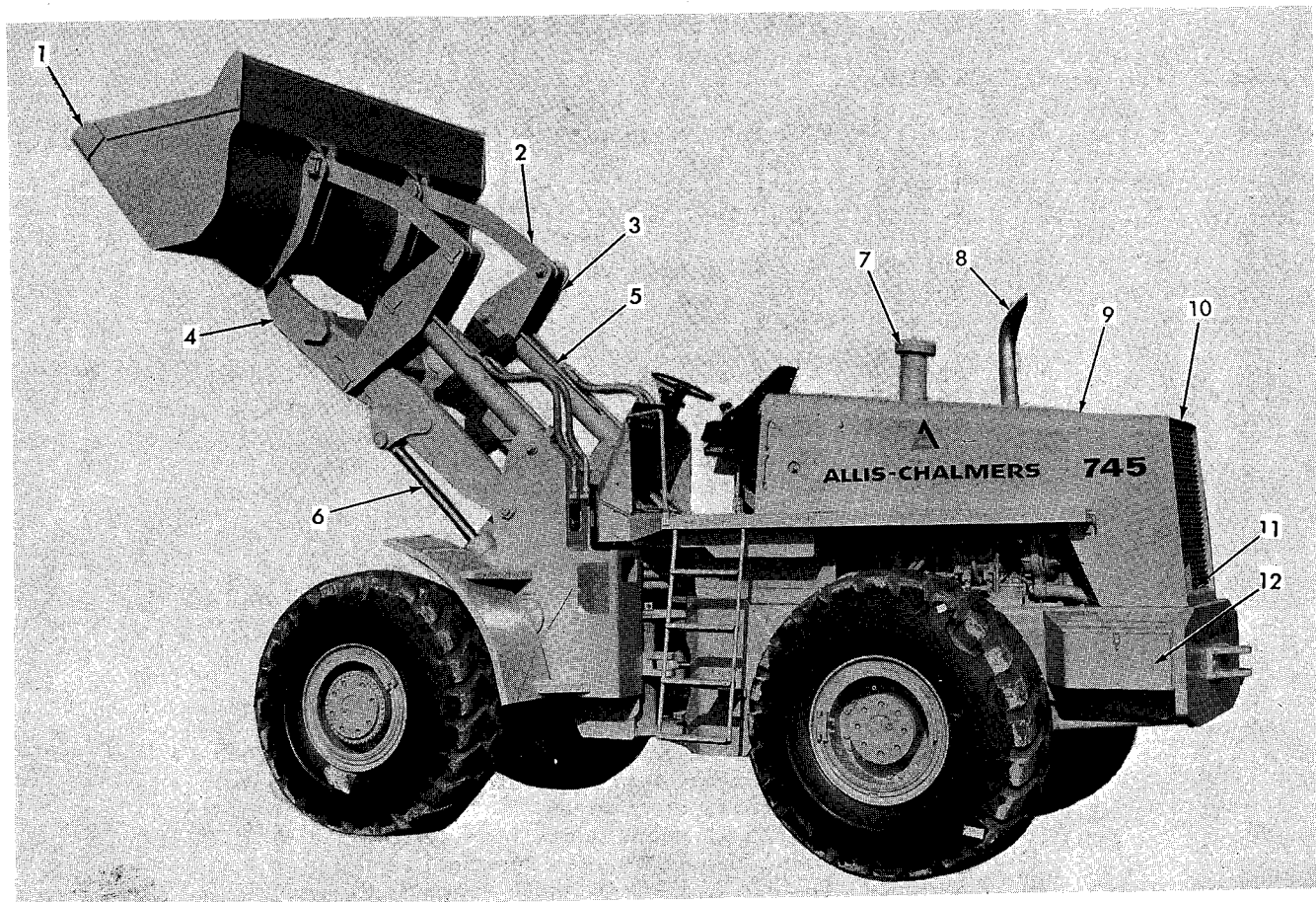
PISTON AND SLEEVE KIT

2	4255465	RETAINER, piston pin
1	4357421	PISTON
1	4357677	RING SET, piston
1	4354778	PIN, piston
1	4354720	SLEEVE, cylinder
2	4337972	RING, sealing, cylinder sleeve

4354291

GASKET KIT, cylinder head

4	4252796	O-RING
4	923574	O-RING, water by-pass tube
2	4336148	GASKET, rocker cover
4	4336182	GASKET, water manifold
1	4336263	GASKET, thermostat housing
1	4336266	GASKET, engine water outlet elbow
2	4337764	GASKET, valve lifter cover
6	4338511	GASKET, exhaust manifold
2	4348133	GASKET, breather tube
1	4354295	GASKET, front cylinder head
1	4354294	GASKET, rear cylinder head
6	4378031	GASKET, injection nozzle
6	4346138	GASKET, intake manifold
1	4300145	GASKET, water outlet manifold



MODEL 745 WHEEL LOADER

- 1. Bucket Cutting edge
- 2. Dump link
- 3. Cross link
- 4. Boom

- 5. Dump cylinder
- 6. Lift cylinder
- 7. Air intake
- 8. Exhaust stack

- 9. Hinged hood
- 10. Radiator filler opening
- 11. Fuel filler neck
- 12. Battery box

CONVERSION TABLES

DECIMAL AND METRIC EQUIVALENTS OF FRACTIONS OF AN INCH

Inches				Inches			
Fractions	Decimals	*Nom. Dec.	Milli-meters	Fractions	Decimals	*Nom. Dec.	Milli-meters
1/64	.015625	.02	.397	33/64	.515625	.52	13.097
1/32	.03125	.03	.794	17/32	.53125	.53	13.494
3/64	.046875	.05	1.191	35/64	.546875	.55	13.891
1/16	.0625	.06	1.588	9/16	.5625	.56	14.288
5/64	.078125	.08	1.984	37/64	.578125	.58	14.684
3/32	.09375	.09	2.381	19/32	.59375	.59	15.081
7/64	.109375	.11	2.778	39/64	.609375	.61	15.478
1/8	.125	.12	3.175	5/8	.625	.62	15.875
9/64	.140625	.14	3.572	41/64	.640625	.64	16.272
5/32	.15625	.16	3.969	21/32	.65625	.66	16.669
11/64	.171875	.17	4.366	43/64	.671875	.67	17.066
3/16	.1875	.19	4.763	11/16	.6875	.69	17.463
13/64	.203125	.20	5.159	45/64	.703125	.70	17.859
7/32	.21875	.22	5.556	23/32	.71875	.72	18.256
15/64	.234375	.23	5.953	47/64	.734375	.73	18.653
1/4	.250	.25	6.350	3/4	.750	.75	19.050
17/64	.265625	.27	6.747	49/64	.765625	.77	19.447
9/32	.28125	.28	7.144	25/32	.78125	.78	19.844
19/64	.296875	.30	7.541	51/64	.796875	.80	20.241
5/16	.3125	.31	7.938	13/16	.8125	.81	20.638
21/64	.328125	.33	8.334	53/64	.828125	.83	21.034
11/32	.34375	.34	8.731	27/32	.84375	.84	21.431
23/64	.359375	.36	9.128	55/64	.859375	.86	21.828
3/8	.375	.38	9.525	7/8	.875	.88	22.225
25/64	.390625	.39	9.922	57/64	.890625	.89	22.622
13/32	.40625	.41	10.319	29/32	.90625	.91	23.019
27/64	.421875	.42	10.716	59/64	.921875	.92	23.416
7/16	.4375	.44	11.113	15/16	.9375	.94	23.813
29/64	.453125	.45	11.509	61/64	.953125	.95	24.209
15/32	.46875	.47	11.906	31/32	.96875	.97	24.606
31/64	.484375	.48	12.303	63/64	.984375	.98	25.003
1/2	.500	.50	12.700	1	1.000	1.00	25.400

VOLUME AND WEIGHT CONVERSION CONSTANTS — U.S. TO METRIC

Pints x .4732 = Liters
 Quarts x .9463 = Liters
 Gallons x 3.7853 = Liters
 Pounds x .4536 = Kilograms
 Cubic Yards x .7645 = Cubic Meters

LENGTH CONVERSION CONSTANTS — U.S. TO METRIC

Inches x 25.400 = Millimeters
 Inches x .0254 = Meters
 Feet x .3048 = Meters
 Statute Miles x 1.60935 = Kilometers

*Nominal decimals are used in place of fractions of an inch, with exception of such items as bolts, screws, washers, tubing, wire, etc.

AVOID ACCIDENTS

MOST ACCIDENTS, WHETHER THEY OCCUR IN INDUSTRY, ON THE FARM, AT HOME OR ON THE HIGHWAY, ARE CAUSED BY THE FAILURE OF SOME INDIVIDUAL TO FOLLOW SIMPLE AND FUNDAMENTAL SAFETY RULES OR PRECAUTIONS. FOR THIS REASON MOST ACCIDENTS CAN BE PREVENTED BY RECOGNIZING THE REAL CAUSE AND DOING SOMETHING ABOUT IT BEFORE THE ACCIDENT OCCURS.

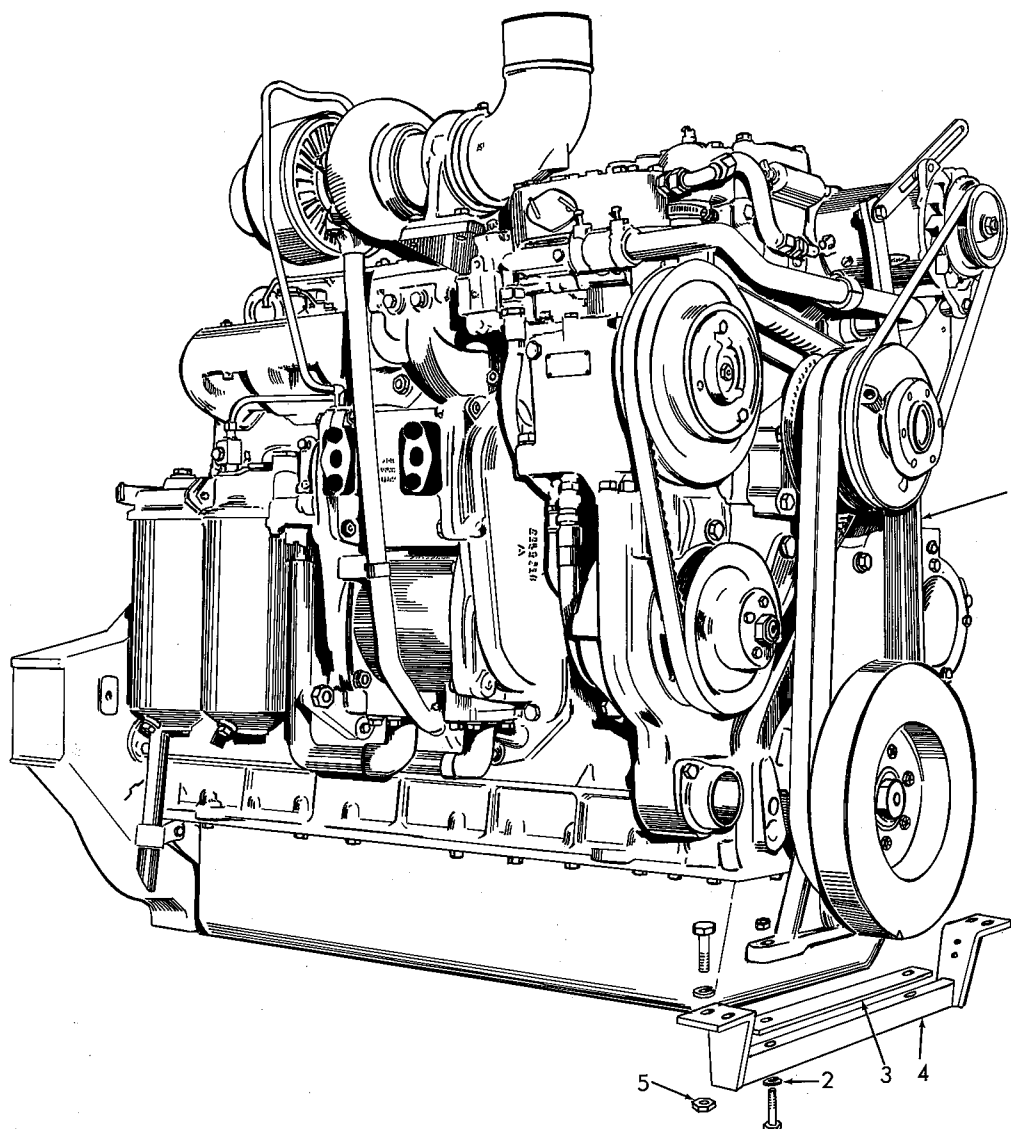
REGARDLESS OF THE CARE USED IN THE DESIGN AND CONSTRUCTION OF ANY TYPE OF EQUIPMENT THERE ARE MANY CONDITIONS THAT CANNOT BE COMPLETELY SAFEGUARDED AGAINST WITHOUT INTERFERING WITH REASONABLE ACCESSIBILITY AND EFFICIENT OPERATION.

**A careful operator is the best insurance against an accident. The complete observance of one simple rule would prevent many thousand serious injuries each year. That rule is:
Never attempt to clean, oil or adjust a machine while it is in motion.**

NATIONAL SAFETY COUNCIL

WARNING

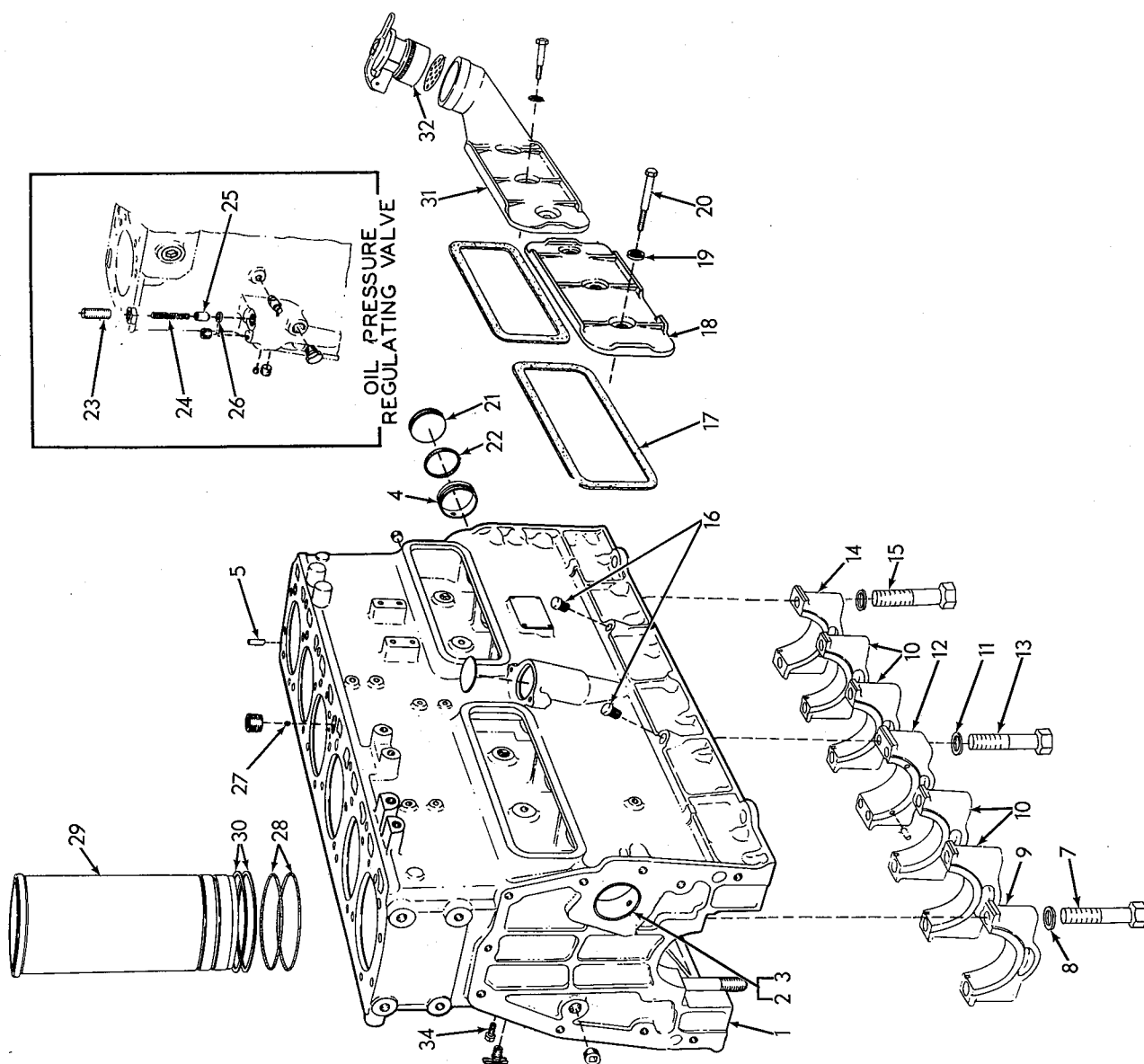
ON MACHINES HAVING HYDRAULICALLY, MECHANICALLY, AND/OR CABLE CONTROLLED EQUIPMENT (SUCH AS SHOVELS, LOADERS, DOZERS, SCRAPERS, etc.) BE CERTAIN THE EQUIPMENT IS LOWERED TO THE GROUND BEFORE SERVICING, ADJUSTING AND/OR REPAIRING. IF IT IS NECESSARY TO HAVE THE HYDRAULICALLY, MECHANICALLY, AND/OR CABLE CONTROLLED EQUIPMENT PARTIALLY OR FULLY RAISED TO GAIN ACCESS TO CERTAIN ITEMS, BE SURE THE EQUIPMENT IS SUITABLY SUPPORTED BY MEANS OTHER THAN THE HYDRAULIC LIFT CYLINDERS, CABLE, AND/OR MECHANICAL DEVICES USED FOR CONTROLLING THE EQUIPMENT.



ENGINE AND MOUNTING

T-73134

ITEM	PART NO.	QTY.	DESCRIPTION
1	4357427	1	ENGINE ASSEMBLY (Less air cleaner, fan and starter)
	916413	2	CAPSCREW, 5/8" NF x 5-1/4"
2	3026289	2	WASHER, plain
	916589	2	NUT, safety, 5/8" NF
3	3026620	1	SHIM, engine mounting (.0625" thick. Use as req'd)
	3026730	1	SHIM, engine mounting (.015" thick. Use as req'd)
4	3047510	1	BRACKET, engine mounting
	915790	4	CAPSCREW, 5/8" NF x 3"
5	3026289	4	WASHER, plain
	916589	4	NUT, safety, 5/8" NF



CYLINDER BLOCK

ITEM	PART NO.	QTY.	DESCRIPTION
1	4358582	1	BLOCK ASSEMBLY (Includes 2 thru 5, 6 thru 15, 26 and 27)
	910017	1	PLUG, expansion, 2-3/8" diam.
	919134	4	PLUG, pipe, hex-hd., 1/8" NPT
	920416	1	PLUG, pipe, hex-hd., 1/2" NPT
	904223	2	PLUG, pipe, ctsk-hd., 1/2" NPT
	918888	1	PLUG, pipe, ctsk-hd., 1" NPT (Used in service replace-
	920333	2	PLUG, pipe, 3/8" NPT ment block only)
	918851	1	PLUG, pipe, 3/4" NPT
	912415	2	COCK, drain, 1/4" NPT
2	{ 4346100	1	BEARING, camshaft, front (standard size)
	{ 4347416	1	BEARING, camshaft, front (.010" undersize)
3	{ 4346099	2	BEARING, camshaft, intermediate (standard size)
	{ 4347419	2	BEARING, camshaft, intermediate (.010" undersize)
4	{ 4346108	1	BEARING, camshaft, rear (standard size)
	{ 4347413	1	BEARING, camshaft, rear (.010" undersize)
5	4336432	4	PIN, dowel, cylinder head
6	-----	4	PIN, dowel, crankshaft thrust flange (See CRANKSHAFT)
7	4339037	2	CAPSCREW, front main bearing
8	4354175	12	WASHER, lock, main bearing
9	4349630	1	* CAP, front main bearing
10	4349632	4	CAP, intermediate main bearing
11	4389910	4	WASHER, locking, center main bearing
12	4349629	1	* CAP, center main bearing
13	4339038	4	CAPSCREW, center main bearing
14	4349631	1	* CAP, rear main bearing
15	4339036	10	CAPSCREW, rear and intermediate main bearings
16	4362338	2	PLUG, crankcase
17	4337764	2	□ GASKET, valve lifter cover
18	4354635	1	COVER, valve lifter
19	4335456	6	WASHER, valve lifter cover bolt
20	4335455	6	BOLT, valve lifter cover
21	4335534	1	PLUG, camshaft hole
22	4254624	1	□ O-RING, camshaft hole plug
23	4389058	1	SCREW, oil pressure regulating valve
	910847	1	NUT, jam, 3/4" NF

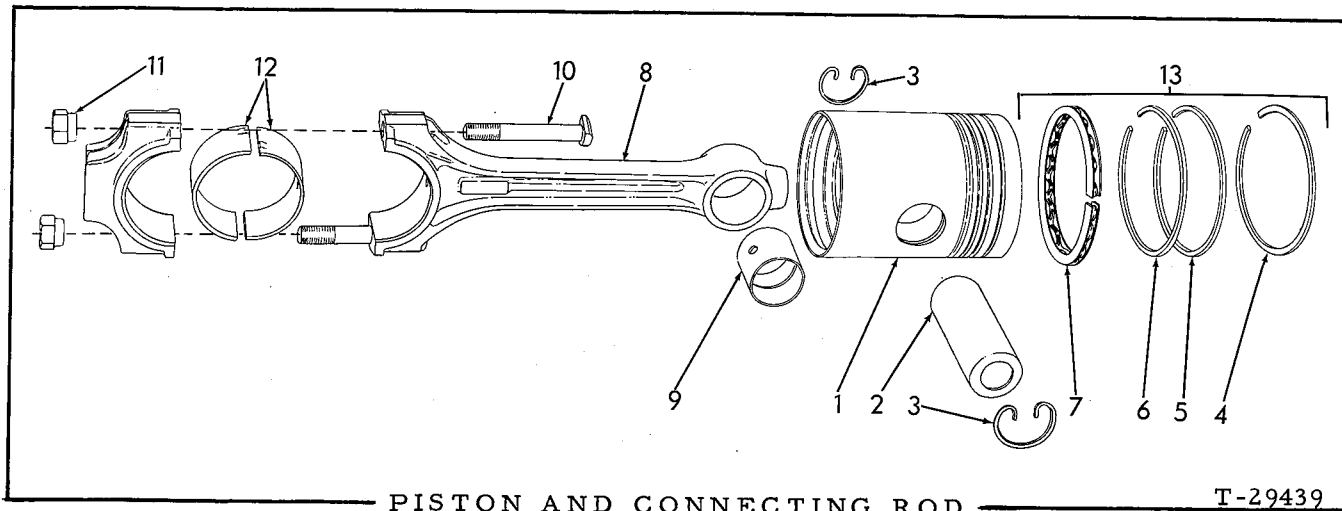
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CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
24	4660358	1	SPRING, oil pressure regulating valve	
25	4500230	1	PISTON, oil pressure regulating valve	
26	4347465	1	INSERT, oil pressure regulating valve seat	
27	4347061	1	RESTRICTOR, oil passage	
28	4337972	12	□ RING, packing, cylinder sleeve	
29	4354720	6	□ SLEEVE, cylinder	
30	4348857	-	SHIM, cylinder sleeve (.005" thick)	(Use as req'd when re-machining cylinder blocks)
	4348859	-	SHIM, cylinder sleeve (.010" thick)	
	4348858	-	SHIM, cylinder sleeve (.015" thick)	
	4348900	-	SHIM, cylinder sleeve (.020" thick)	
31	4338674	1	COVER, valve lifter	
32	4354449	1	CLOSURE ASSEMBLY, oil filler	
33	4379291	1	PLATE ASSEMBLY, oil filler (Not illustrated)	
34	4335777	2	CAPSCREW, crankcase pad (3/8" NC x 3/4" Nylok)	

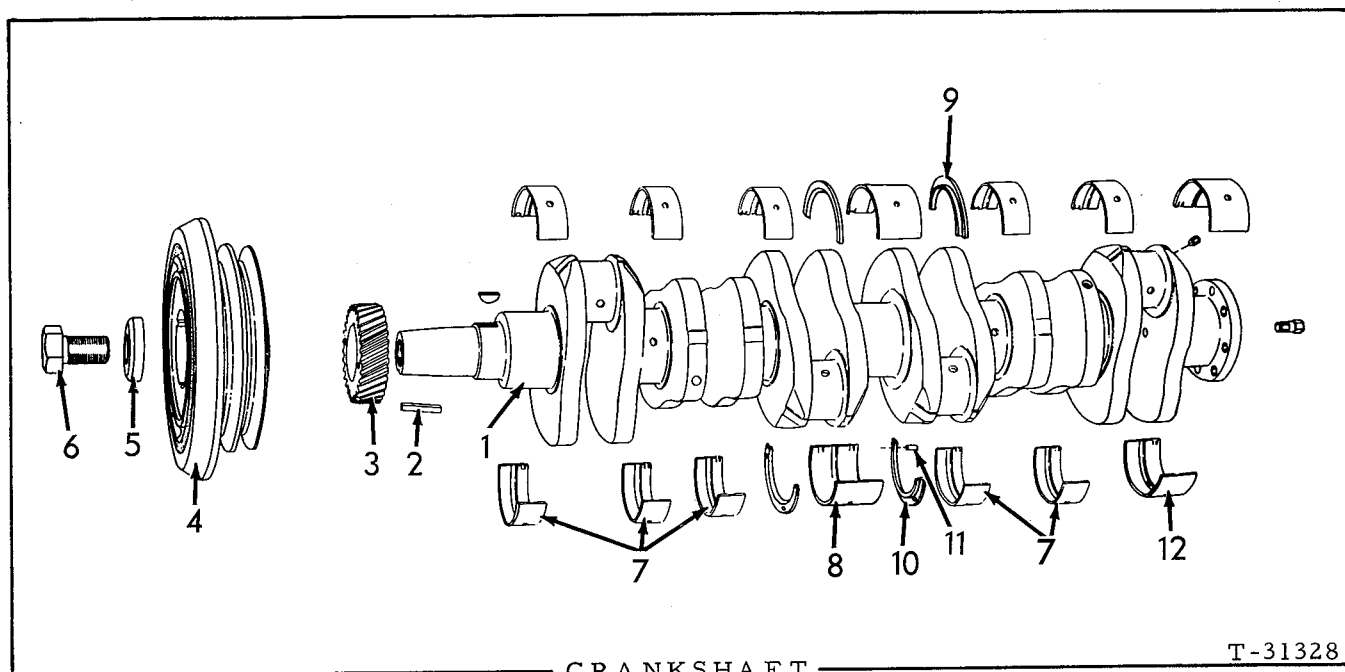
* Replacement bearing caps are semi-finished and must be line-bored after installing.

□ (Also see PACKAGED PARTS)



ITEM	PART NO.	QTY.	DESCRIPTION	
1	4357421	6	□ PISTON	
2	4354778	6	□ PIN, piston	
3	4255465	12	□ RETAINER, piston pin	
4	-----	6	RING, compression (Top groove)	} Order item 13
5	-----	6	RING, compression (Second groove)	
6	-----	6	RING, compression (Third groove)	
7	-----	6	RING, oil control	
8	4354788	6	ROD ASSEMBLY, connecting (Includes 9 thru 11)	
9	4339017	6	BUSHING, connecting rod	
10	4354787	12	BOLT, connecting rod	
11	4354748	12	NUT, connecting rod bolt	
12	4337701	12	BEARING, connecting rod (Standard size)	
	4337702	12	BEARING, connecting rod (.010" undersize)	
	4337703	12	BEARING, connecting rod (.020" undersize)	
	4337704	12	BEARING, connecting rod (.030" undersize)	
	4337705	12	BEARING, connecting rod (.040" undersize)	
13	4357677	1	RING SET, (Includes parts for one (1) piston only) (Consists of items 4 thru 7)	

□ (Also see PACKAGED PARTS)



CRANKSHAFT

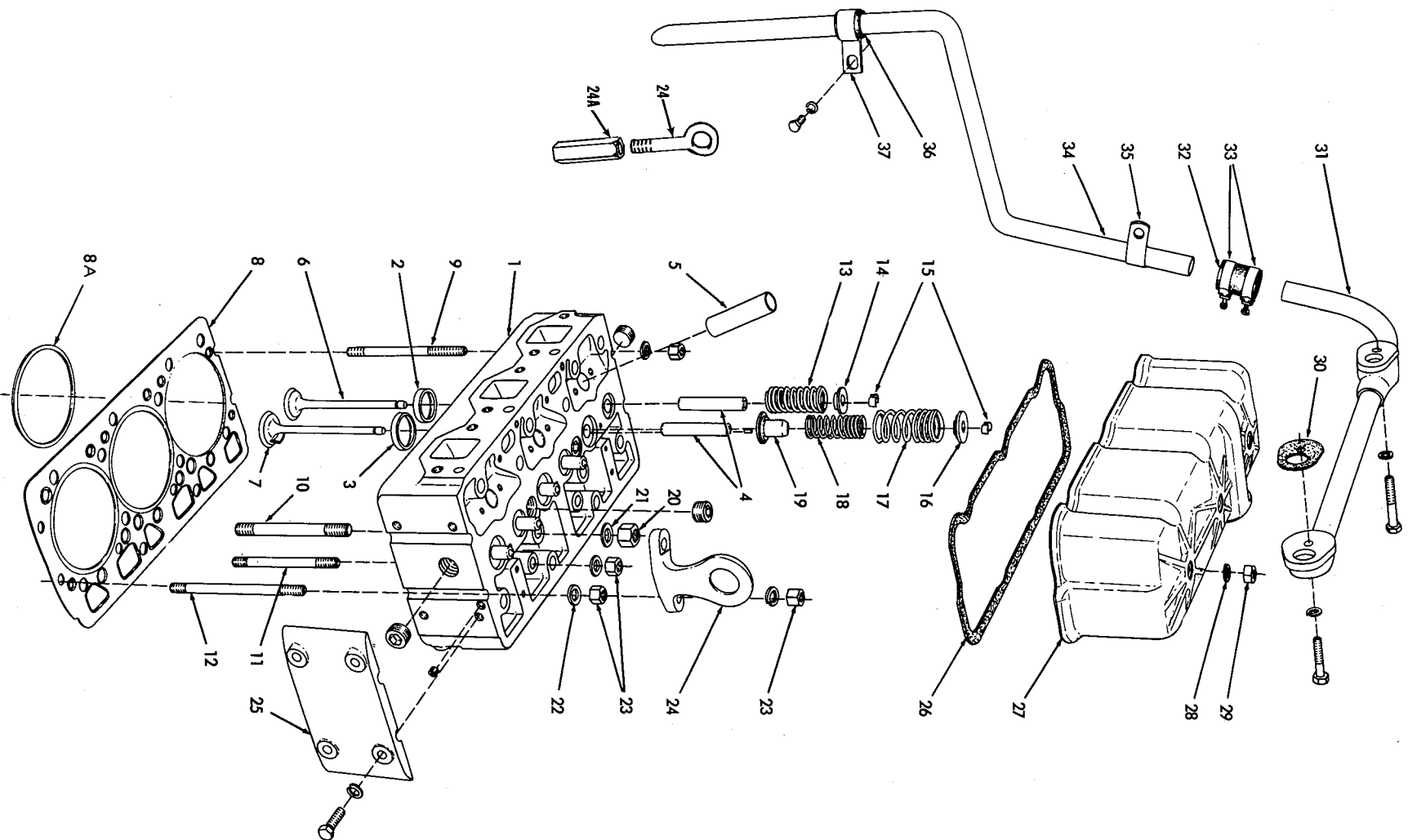
T-31328

ITEM	PART NO.	QTY.	DESCRIPTION
1	4354425 917673 919840	1 6 1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below) PLUG, pipe, hex-socket, 1/8" NPT PLUG, pipe, hex-hd., 1/4" NPT
2	4003490	1	KEY, crankshaft pulley
3	4337060 905127	1 1	GEAR, crankshaft KEY, "B" woodruff, 5/16" x 1"
4	4354259	1	PULLEY, crankshaft
5	4371503	1	WASHER, crankshaft pulley bolt
6	4347897	1	CAPSCREW, crankshaft pulley
7	4337710	10	BEARING, front and intermediate main (Standard size)
	4337711	10	BEARING, front and intermediate main (.010" undersize)
	4337712	10	BEARING, front and intermediate main (.020" undersize)
	4337713	10	BEARING, front and intermediate main (.030" undersize)
	4337714	10	BEARING, front and intermediate main (.040" undersize)
8	4348991	2	BEARING, center main (Standard size)
	4348992	2	BEARING, center main (.010" undersize)
	4348993	2	BEARING, center main (.020" undersize)
	4348994	2	BEARING, center main (.030" undersize)
	4348995	2	BEARING, center main (.040" undersize)

(Continued)

CRANKSHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	4337683	2	FLANGE, thrust, center main, upper (Standard size)
	4337684	2	FLANGE, thrust, center main, upper (.005" oversize)
	4337685	2	FLANGE, thrust, center main, upper (.010" oversize)
	4337686	2	FLANGE, thrust, center main, upper (.015" oversize)
10	4337687	2	FLANGE, thrust, center main, lower (Standard size)
	4337688	2	FLANGE, thrust, center main, lower (.005" oversize)
	4337689	2	FLANGE, thrust, center main, lower (.010" oversize)
	4337690	2	FLANGE, thrust, center main, lower (.015" oversize)
11	4250898	4	PIN, dowel, thrust flange
12	4337698	2	BEARING, rear main (Standard size)
	4337699	2	BEARING, rear main (.020" undersize)
	4337700	2	BEARING, rear main (.020" undersize)
	4337715	2	BEARING, rear main (.030" undersize)
	4337716	2	BEARING, rear main (.040" undersize)



CYLINDER HEAD

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339548	2	HEAD ASSEMBLY, cylinder (Includes items 2 thru 5 and hardware indented below)
	917673	4	PLUG, pipe, hex-socket, 1/8" NPT
	920340	8	PLUG, pipe, hex-socket, 3/4" NPT
	917560	6	PIN, dowel, 3/16" x 3/8" (Intake valve locator)
2	{ 4339547	6	INSERT, exhaust valve seat (std.)
	4339625	6	INSERT, exhaust valve seat (.005" oversize)
3	{ 4339546	6	INSERT, intake valve seat (std.)
	4339624	6	INSERT, intake valve seat (.005" oversize)
4	4336586	12	GUIDE, valve stem
5	4336157	6	SLEEVE, injection nozzle
6	4336128	6	VALVE, exhaust
7	4336127	6	VALVE, intake
8	{ 4354295	1	GASKET, cylinder head, front
	4354294	1	GASKET, cylinder head, rear
8A	4339848	6	RING, fire
9	4339499	4	STUD, cylinder head (1/2" x 7")
10	4339505	24	STUD, cylinder (5/8" x 6-1/2")
11	4339498	4	STUD, cylinder head (1/2" x 6-1/8")
12	4339497	2	STUD, cylinder head (1/2" x 7-3/4")
13	4336131	6	SPRING, exhaust valve
14	4343799	6	RETAINER, exhaust valve spring
15	4376497	24	LOCK, valve spring retainer (half only)
16	4336153	6	RETAINER, intake valve spring
17	4336129	6	SPRING, intake valve, outer
18	4336130	6	SPRING, intake valve, inner
19	4336758	6	LOCATOR, intake valve
20	{ 4388202	20	NUT, cylinder head stud (5/8" NF)
	4354407	4	NUT, safety, 5/8" NF (First and last stud, push rod side)
21	4354490	24	WASHER, cylinder head nut (for 5/8" stud)
22	4372864	14	WASHER, cylinder head nut (f/1/2" stud)
23	4388205	14	NUT, cylinder head stud (1/2" NF)

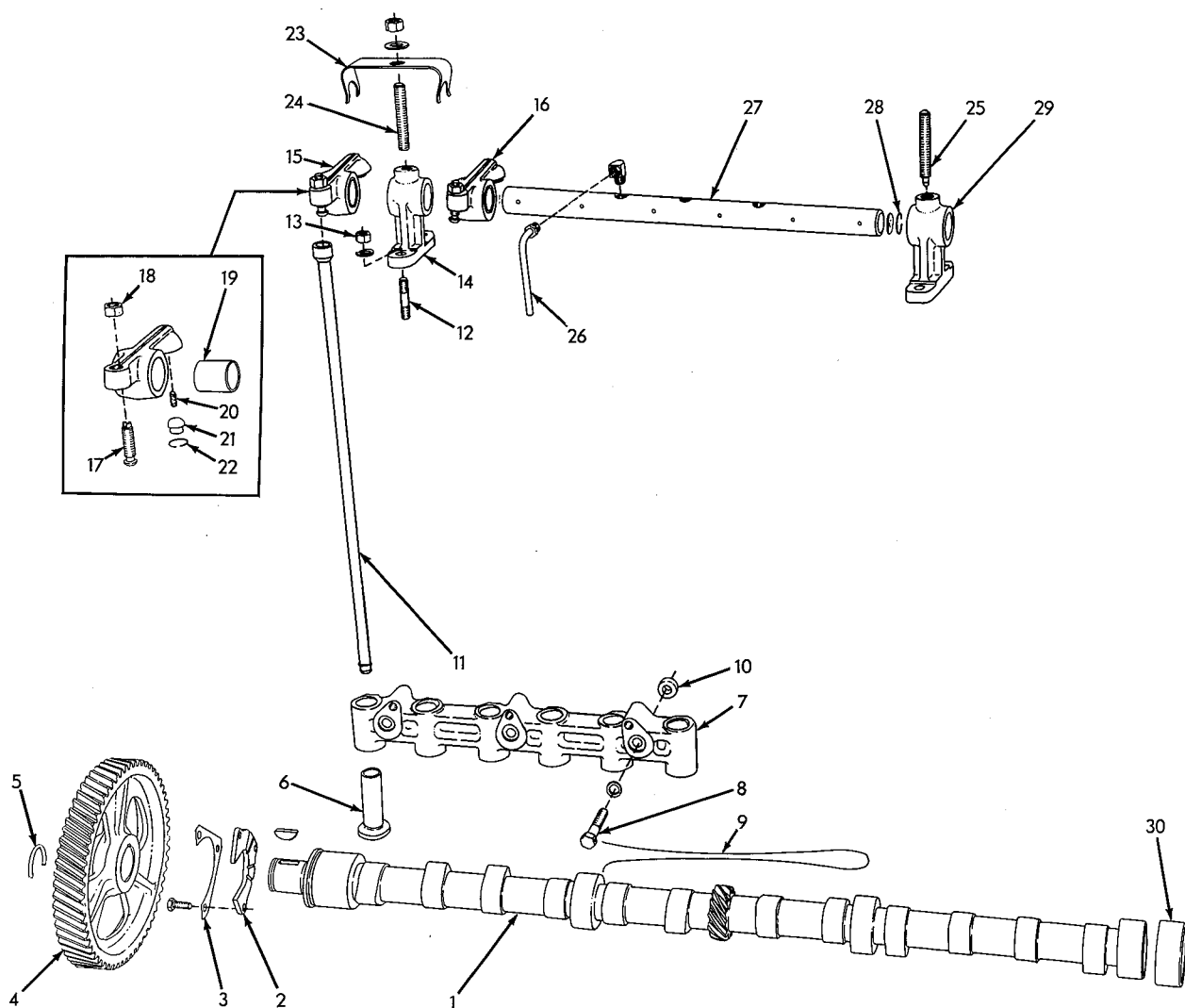
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CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	4347619	1	EYE, engine lifting (rear) (shown)
	4336444	1	EYE, engine lifting (front) (opposite)
24A	4366782	1	NUT, cylinder head and lifting eye (front) (5/8" NF, high type)
25	4336178	2	PLATE, end
	916191	8	CAPSCREW, 7/16" NC x 1-1/2"
	904207	8	LOCKWASHER, 7/16"
26	4336148	2	□ GASKET, rocker cover
27	4336146	2	COVER, rocker
28	4376749	6	WASHER, sealing, rocker cover nut
29	4375937	6	NUT, rocker cover
30	4348133	2	□ GASKET, breather tube
31	4349305	1	TUBE, breather, upper section
	916273	1	CAPSCREW, 3/8" NC x 1-3/4"
	912069	1	CAPSCREW, 3/8" NC x 2-1/2"
	904206	2	LOCKWASHER, 3/8"
32	4347924	1	HOSE, breather tube
33	4253453	2	CLAMP, breather tube hose
34	4337905	1	TUBE, breather, lower section
35	4254173	1	CLIP, breather tube supporting, upper
36	4371324	1	INSULATOR, breather tube (rubber)
37	4371323	1	CLIP, breather tube supporting, lower
	915408	1	CAPSCREW, 3/8" NC x 3/4"
	904206	1	LOCKWASHER, 3/8"

□ (Also see PACKAGED PARTS)

MEMO



VALVE OPERATING MECHANISM

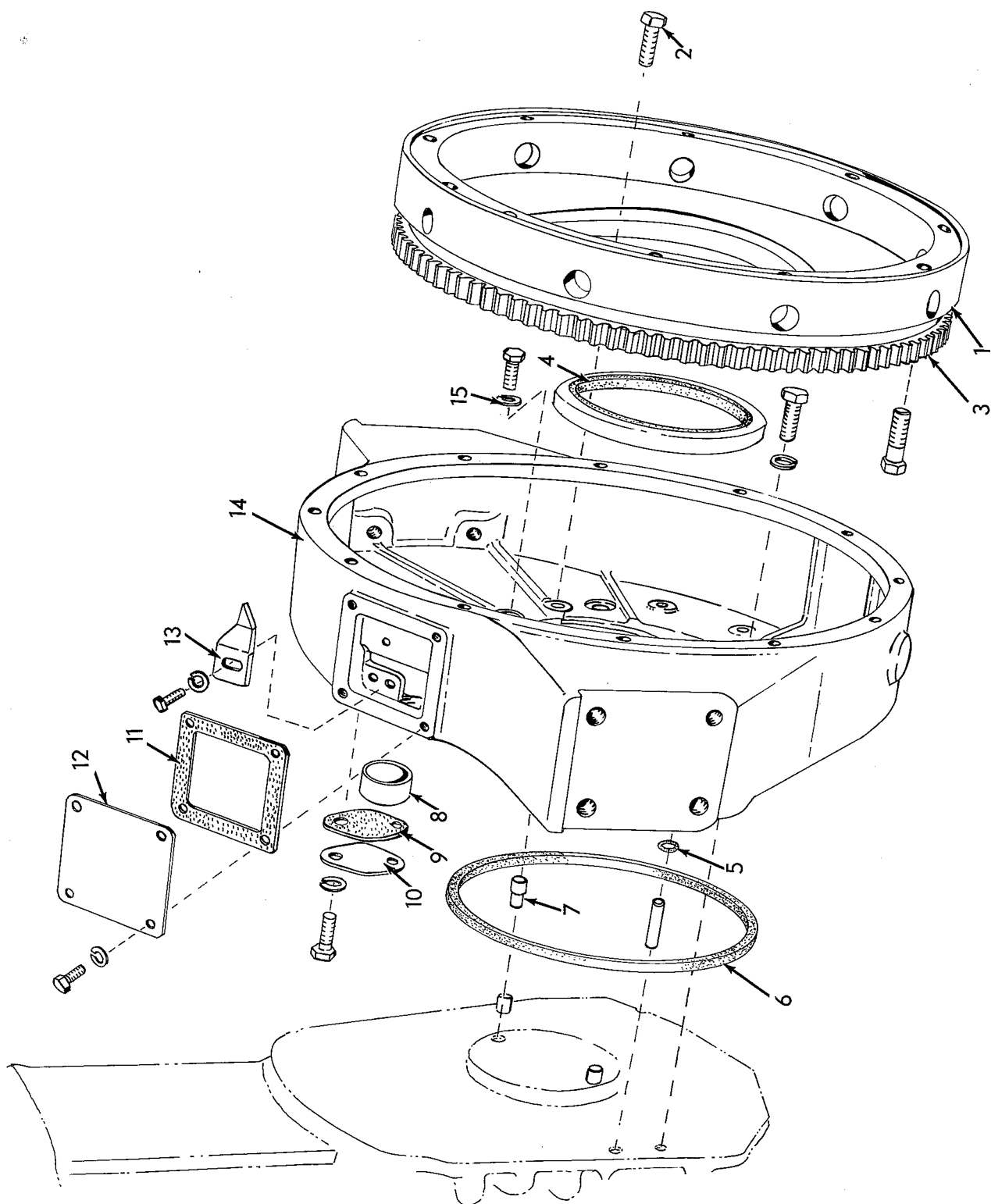
T-31322

ITEM	PART NO.	QTY.	DESCRIPTION
1	4337723	1	CAMSHAFT
	905126	1	KEY, #5 woodruff, 1/4" x 1"
2	4349257	1	COLLAR, camshaft thrust
	916277	3	CAPSCREW, 5/16" NC x 5/8"
3	4025391	1	PLATE, capscREW locking
4	4339659	1	GEAR, camshaft
5	4346307	1	RING, snap, gear retaining
6	4338299	12	LIFTER, valve
7	4347511	2	BRACKET, valve lifter
8	4335548	6	CAPSCREW, 3/8" NC x 1-7/8"
	904206	6	LOCKWASHER, 3/8"
9	4335547	2	WIRE, locking
10	4347832	4	DOWEL, hollow, valve lifter bracket

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VALVE OPERATING MECHANISM (Continued)

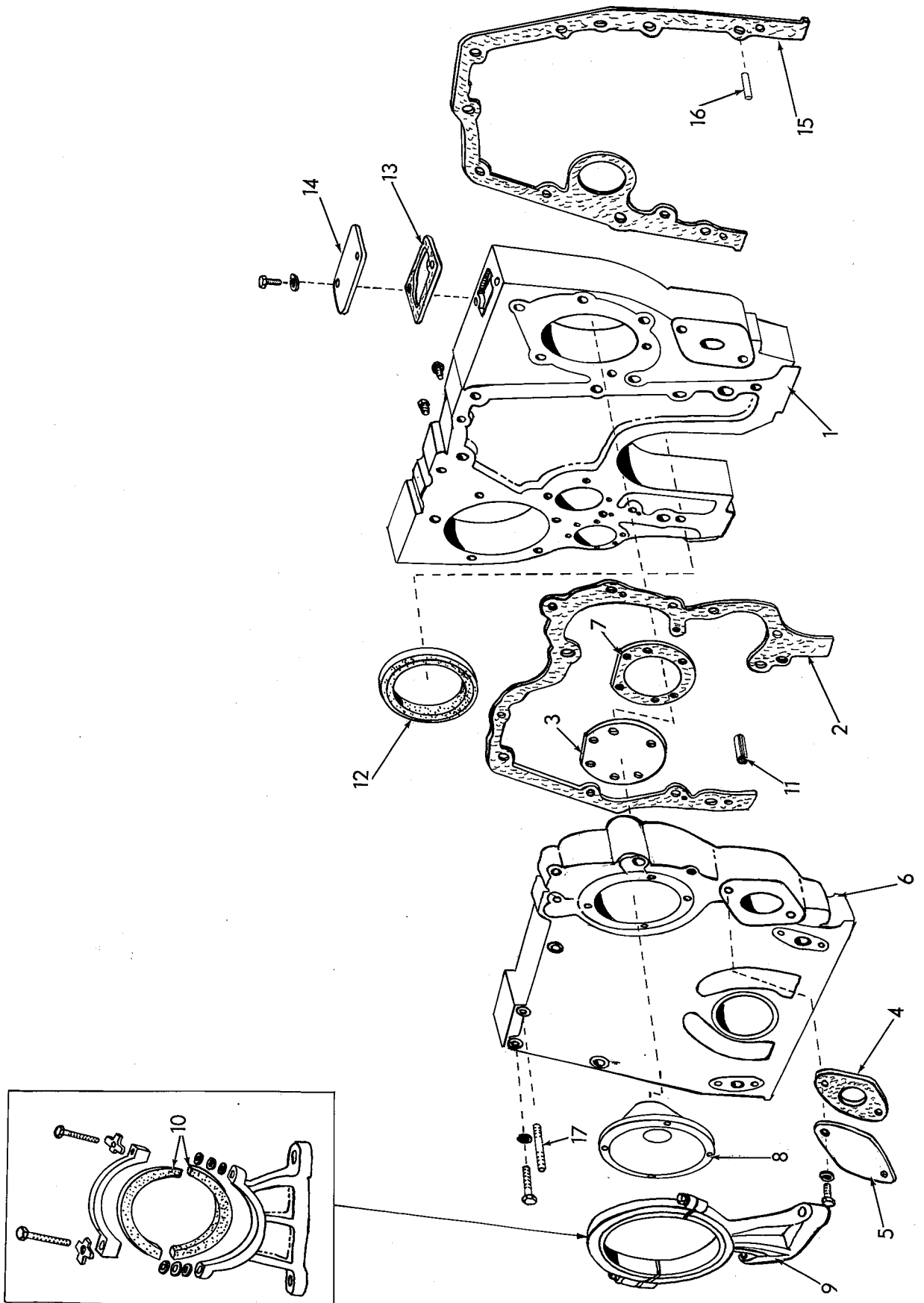
ITEM	PART NO.	QTY.	DESCRIPTION
11	4336234	12	ROD, push
12	4506946	12	STUD, rocker shaft bracket
	904206	12	LOCKWASHER, 3/8"
13	4348440	12	NUT, heat-treated , 3/8" NF
14	4336143	4	BRACKET, rocker shaft, end
15	4337478	6	ARM ASSEMBLY, rocker, intake valve (Includes items 17 thru 22)
16	4337479	6	ARM ASSEMBLY, rocker, exhaust valve (Includes items 17 thru 22)
17	4336646	12	SCREW, valve lash adjustment
18	4348440	12	NUT, valve lash adjustment screw
19	4660369	12	BUSHING, rocker arm
20	4364422	12	WICK, oiling, rocker ball
21	4379305	12	BALL, rocker arm
22	4385480	12	RING, rocker arm ball
23	4338143	6	CLIP, spring, rocker arm retaining
	910919	6	WASHER, plain, SAE std., 7/16"
	910986	6	NUT, 7/16" NF
24	4348129	4	STUD, rocker cover (2-5/8"long)
25	4348130	2	SCREW, rocker shaft retaining (3" long, dog-pt.)
26	4349157	2	LINE ASSEMBLY, rocker shaft overflow (Includes nut)
	913039	2	ELBOW, inverted flare, 90°, 1/4" tube, 1/8" NPT male
27	4336145	2	SHAFT ASSEMBLY, rocker arm (Includes 910002 PLUGS and item 28)
	910002	4	PLUG, expansion, 3/4" diam.
28	4254363	4	RING, snap, rocker shaft
29	4336142	2	BRACKET, rocker shaft, center
30	-----	-	BEARING, camshaft (See CYLINDER BLOCK)



FLYWHEEL AND HOUSING

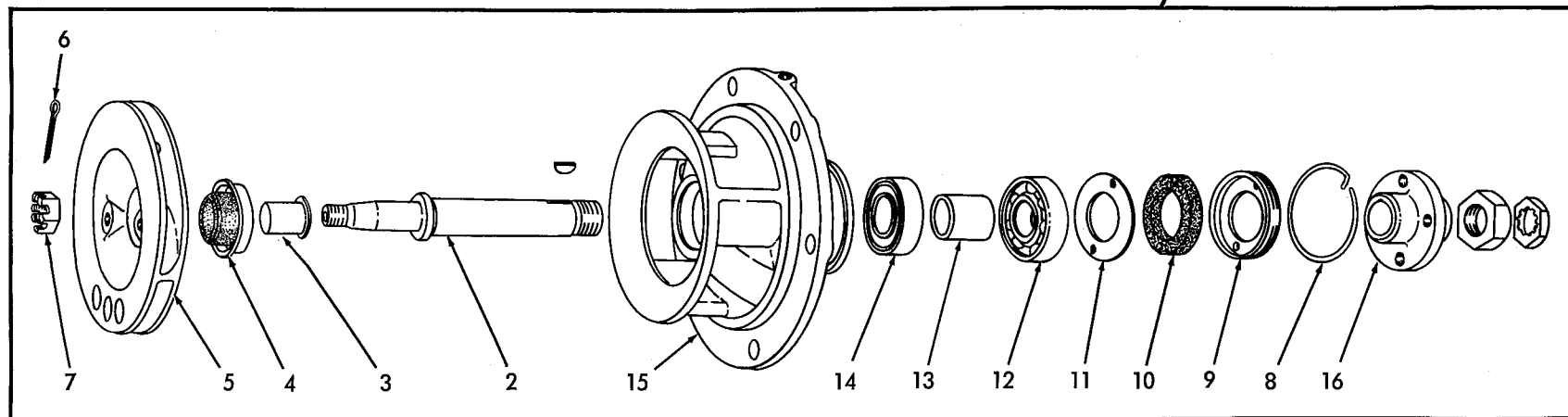
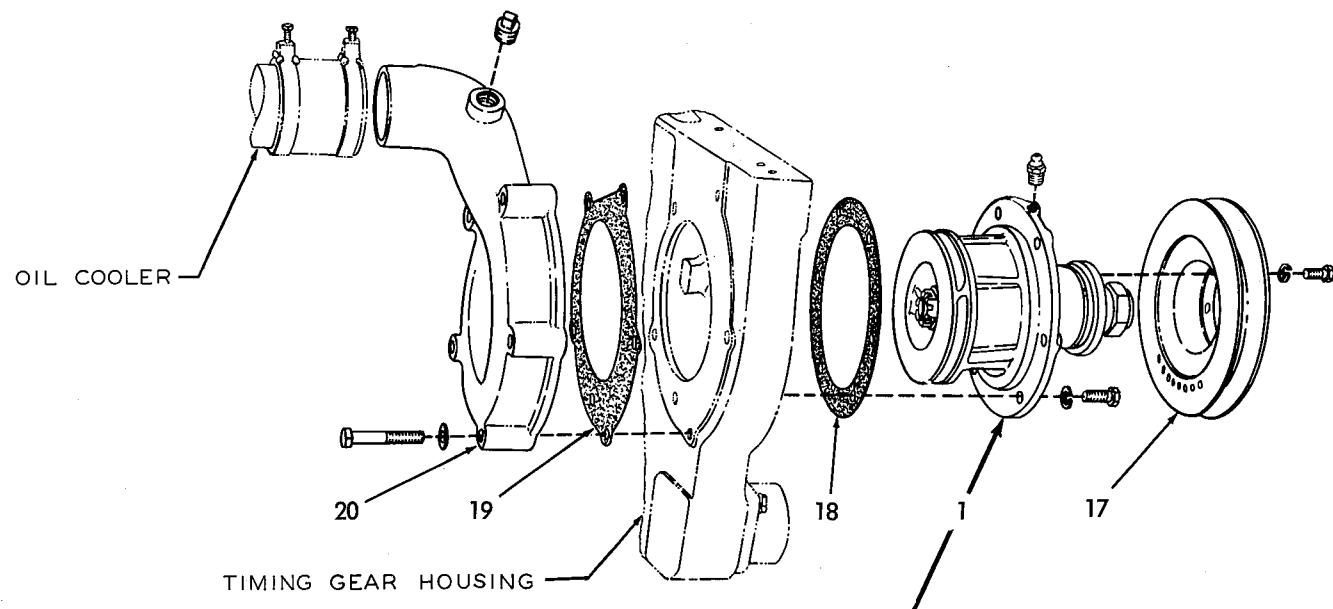
ITEM	PART NO.	QTY.	DESCRIPTION
1	4357386	1	FLYWHEEL ASSEMBLY (Includes item 3)
2	4255343	6	BOLT, lock (Special)
3	4341292	1	GEAR, ring
4	4338440	1	SEAL, oil crankshaft, front end
5	4253169	2	O-RING, sealing, dowel pin
6	4336897	1	□ O-RING, sealing, flywheel housing to crankcase
7	4500300	2	DOWEL, flywheel to crankshaft
8	4338091	1	TUBE, pilot hole
9	4001543	1	GASKET, pilot hole
10	4001556	1	COVER, pilot hole
	921508	2	CAPSCREW, 5/16" NC x 3/4" (Nylok)
11	4336676	1	GASKET, timing hole
12	4358840	1	COVER, timing hole
	916282	4	CAPSCREW, 1/4" NC x 7/8"
	904204	4	LOCKWASHER, 1/4"
13	4336609	1	POINTER, timing
	916284	2	CAPSCREW, 1/4" NF x 1/2"
	904204	2	LOCKWASHER, 1/4"
14	4357371	1	HOUSING ASSEMBLY, flywheel (Includes item 8)
	917021	1	PIN, dowel, 1/2" x 1"
	916311	9	CAPSCREW, 1/2" NC x 1-1/4"
15	4376749	9	WASHER, dynaseal

□ (Also see PACKAGED PARTS)



TIMING GEAR HOUSING

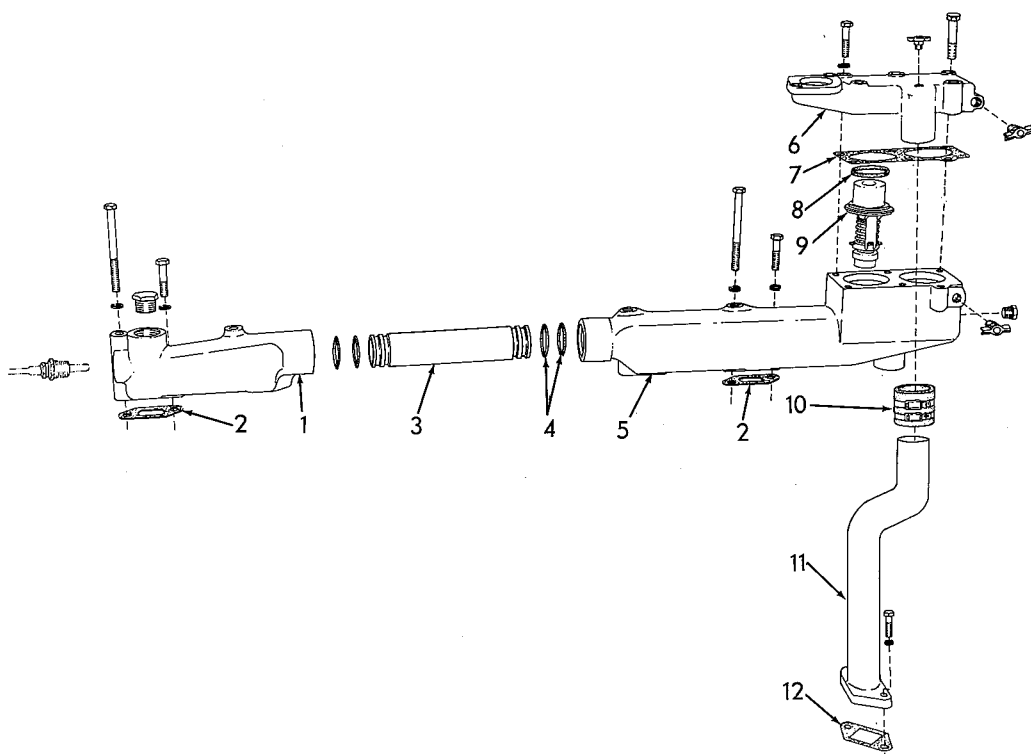
ITEM	PART NO.	QTY.	DESCRIPTION
1	4357407	1	HOUSING, front
	920333	1	PLUG, pipe, hex-hd., 3/8" NPT
	919134	2	PLUG, pipe, hex-hd., 1/8" NPT
	920416	1	PLUG, pipe, hex-hd., 1/2" NPT
	917970	1	PLUG, pipe, hex-socket, 1/2" NPT
	4004054	3	CAPSCREW, 1/2" NC x 1-1/16"
	4253490	3	LOCKWASHER
2	4354163	1	GASKET, cover to housing
3	4354414	1	COVER, hydraulic pump hole, rear
4	4335712	1	GASKET, cover plate
5	4335711	1	PLATE, timing gear cover
	916277	6	CAPSCREW, 5/16" NC x 5/8"
	917330	6	WASHER, copper, 11/32" I. D.
6	4357409	1	COVER ASSEMBLY, timing gear housing (Includes item 11)
	916271	2	CAPSCREW, 3/8" NC x 1"
	919287	2	CAPSCREW, 3/8" NC x 1-7/8"
	916274	2	CAPSCREW, 3/8" NC x 2-1/4"
	904206	6	LOCKWASHER, 3/8"
	915969	3	CAPSCREW, 1/2" NC x 3"
	916319	1	CAPSCREW, 1/2" NC x 3-1/2"
	921299	1	CAPSCREW, 1/2" NC x 4"
	919232	1	CAPSCREW, 1/2" NC x 4-3/4"
	904208	6	LOCKWASHER, 1/2"
	910195	1	NUT, 1/2"
7	4354415	1	GASKET
8	4354306	1	COVER, plate
	923820	1	O-RING, sealing
	916271	4	CAPSCREW, 3/8" NC x 1"
	904206	4	LOCKWASHER, 3/8"
9	4335067	1	BRACKET, engine mounting (Includes cap)
	4254891	2	CAPSCREW, 1/2" NC x 2-1/2"
	916009	10	WASHER, plain (1/32" thick. Use as req'd)
	4335550	2	LOCKWASHER
10	4336491	2	LINER, engine mounting bracket
11	4348107	2	PIN, dowel, timing gear cover
12	4026447	1	SEAL, oil, crankshaft
13	4354304	1	GASKET
14	4354305	1	COVER, oil filler
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
15	4348136	1	GASKET, housing to crankcase
16	4346246	1	PIN, dowel
17	4335371	1	STUD, cover assembly



WATER PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See GENERATOR for listing of driving belt.			
1	4338662	1	PUMP ASSEMBLY (Consists of items 2 thru 16)
	914465	1	FITTING, lubricating, straight, 1/8" NPT
	916271	6	CAPSCREW, 3/8" NC x 1"
	904206	6	LOCKWASHER, 3/8"
2	4348757	1	SHAFT ASSEMBLY (Includes item 3)
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
3	4507084	1	FLINGER, water
4	4507091	1	SEAL ASSEMBLY (Serviced only as a unit)
5	4339103	1	IMPELLER ASSEMBLY (Includes ceramic insert)
6	4041097	1	PIN, cotter, impeller nut
7	4375686	1	NUT, impeller retaining
8	4371707	1	LOCKWIRE, sealing washer retainer
9	4335320	1	RETAINER, sealing washer
10	4348825	1	WASHER, sealing
11	4044209	1	WASHER, retaining
12	4044210	1	BEARING, ball, rear
13	4044211	1	SPACER, bearing
14	4044212	1	BEARING, ball, front
15	4338663	1	BODY, water pump
16	4335808	1	FLANGE, driving pulley
	910847	1	NUT, 3/4" NF
	917680	1	NUT, Pal locking, 3/4" NF
17	4335809	1	PULLEY, driving
	916206	4	CAPSCREW, 5/16" NF x 7/8"
	904205	4	LOCKWASHER, 5/16"
18	4346744	1	□ GASKET, water pump
19	4335056	1	□ GASKET, water pump volute
20	4349953	1	VOLUTE
	920131	1	PLUG, pipe, 3/8" NPT
	916274	5	CAPSCREW, 3/8" NC x 2-1/4"
	904206	5	LOCKWASHER, 3/8"

□ (Also see PACKAGED PARTS)



WATER OUTLET MANIFOLD

T-39635

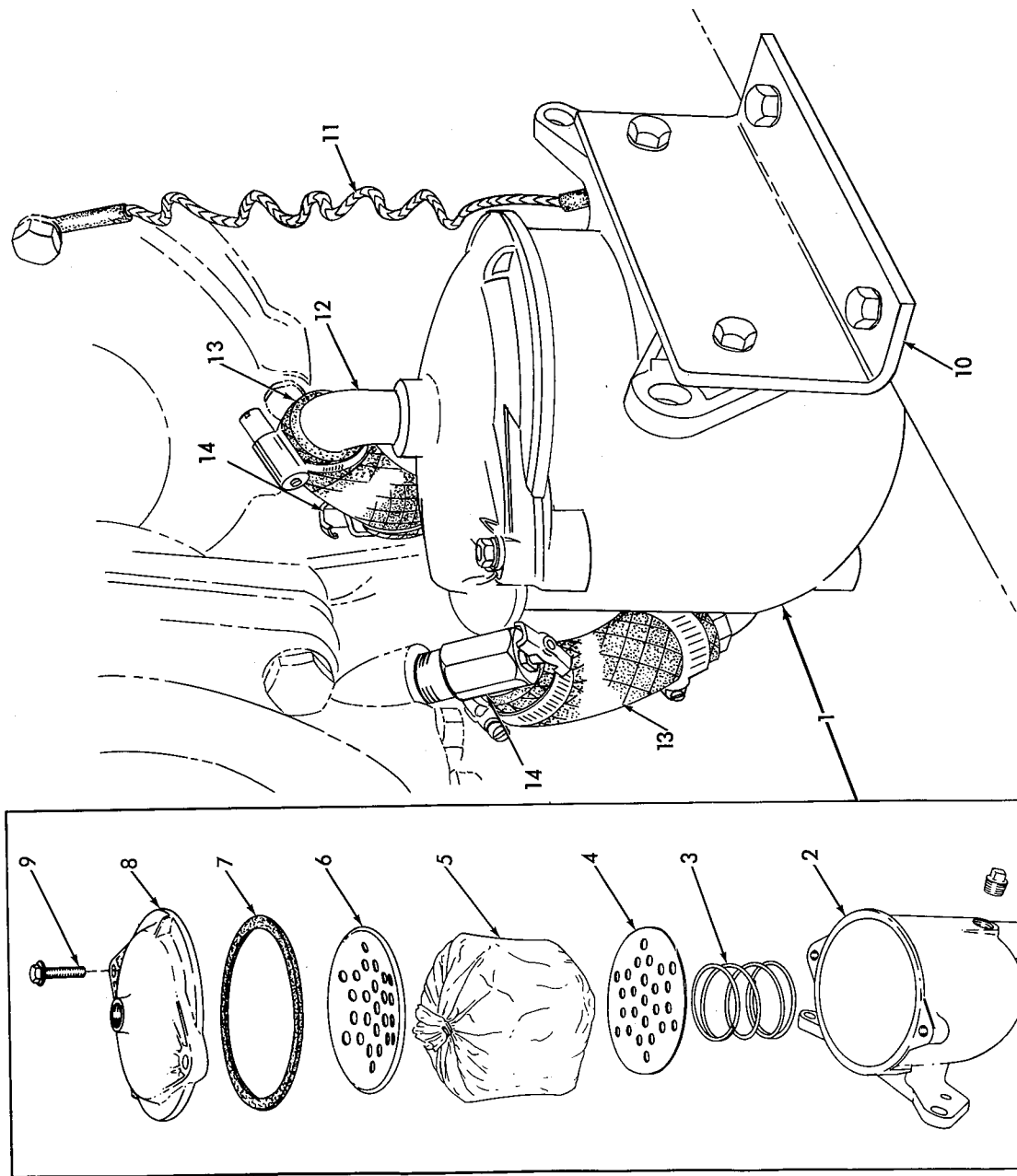
ITEM	PART NO.	QTY.	DESCRIPTION
1	4336506	1	MANIFOLD, water outlet, front
	920525	1	PLUG, pipe, hex-hd., 3/4" NPT
	914847	2	CAPSCREW, 3/8" NC x 1-1/2"
	916275	2	CAPSCREW, 3/8" NC x 3-3/4"
	904206	4	LOCKWASHER, 3/8"
2	4336182	4	□ GASKET, water manifold
3	4336156	1	TUBE, water manifold connecting
4	4252796	4	□ O-RING, water manifold connecting tube
5	4338243	1	MANIFOLD, water outlet, rear
	914847	2	CAPSCREW, 3/8" NC x 1-1/2"
	916275	2	CAPSCREW, 3/8" NC x 3-3/4"
	904206	4	LOCKWASHER, 3/8"
	912415	1	COCK, T-handle, 1/4" NPT (air venting)
6	4354270	1	HOUSING ASSEMBLY, thermostat (Includes inserts and item 8)
	912415	2	COCK, T-handle, 1/4" NPT (air venting)
	919227	6	CAPSCREW, 3/8" NC x 3-1/4"
	904206	6	LOCKWASHER, 3/8"
7	4336263	1	GASKET, thermostat housing
8	4317554	2	SEAL, thermostat
9	4354537	2	THERMOSTAT (180°)

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WATER OUTLET MANIFOLD (Continued)

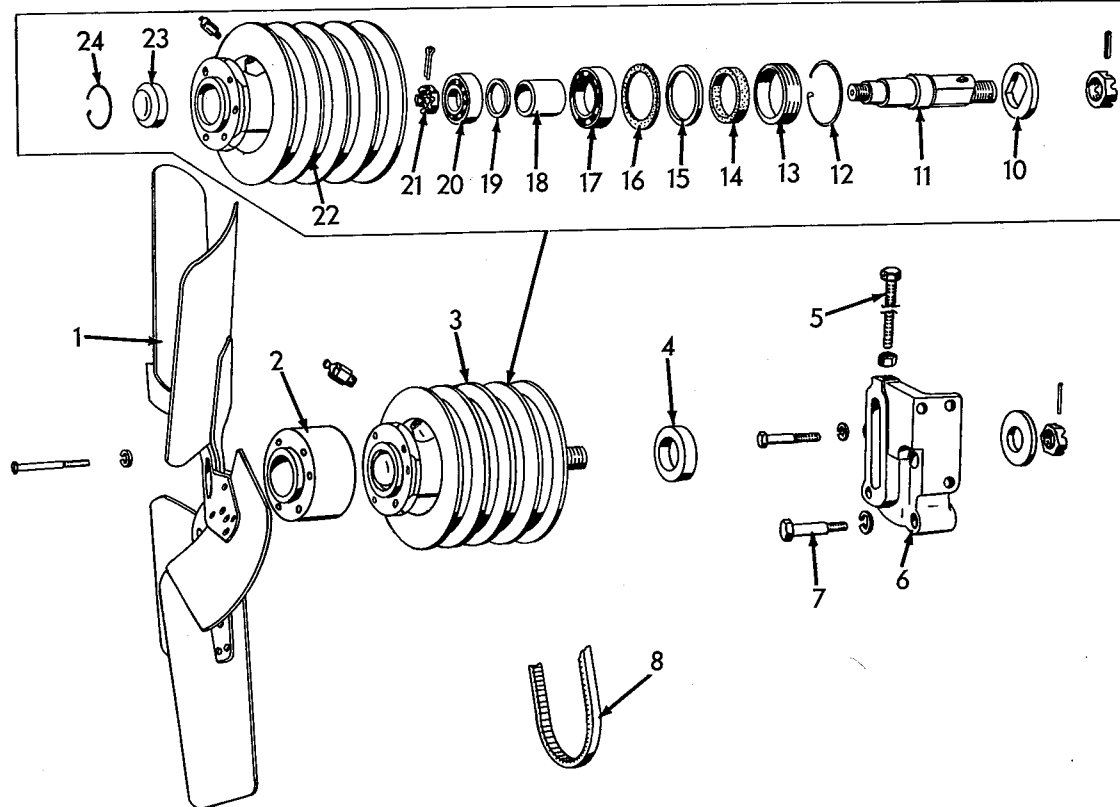
ITEM	PART NO.	QTY.	DESCRIPTION
10	4337602	1	HOSE, water by-pass pipe
	4255012	2	CLAMP, hose
11	4338242	1	PIPE, water by-pass
	919224	2	CAPSCREW, 3/8" NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
12	4347031	1	□ GASKET, water by-pass pipe

□ (Also see PACKAGED PARTS)



COOLANT FILTER AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	4387474	1	FILTER ASSEMBLY, coolant (Consists of items 2 thru 9)
	914392	2	CAPSCREW, 5/16" NC x 1"
	904205	2	LOCKWASHER, 5/16"
	910238	2	NUT, 5/16" NC
2	4055031	1	BODY, filter
	920131	1	PLUG, pipe, 3/8" NPT
3	4054569	1	SPRING, filter elment
4	4054568	1	PLATE, filter element, lower
5	4058830	1	ELEMENT KIT, filter (water type) (Includes item 7)
	4058831	1	ELEMENT KIT, filter (permanent anti-freeze type) (Includes item 7)
6	4055034	1	PLATE, filter element, upper
7	4054566	1	GASKET, filter cover
8	4055032	1	COVER, filter
9	4055033	2	BOLT ASSEMBLY, filter cover (Includes washer)
10	3050249	1	BRACKET, filter mounting
	923683	2	CAPSCREW, 3/8" NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NC
11	3050279	1	WIRE, ground
12	4255286	2	ELBOW
13	3050250	2	HOSE, coolant, inlet
	921911	4	CLAMP
14	4255772	2	VALVE, shut-off
	910149	1	ELBOW, street, 45°, 3/8" NPT
	918543	1	ELBOW, reducing, 90°, 1/2" NPT to 3/8" NPT
	901500	1	NIPPLE, pipe, 1/2" NPT x 1-1/8"



FAN

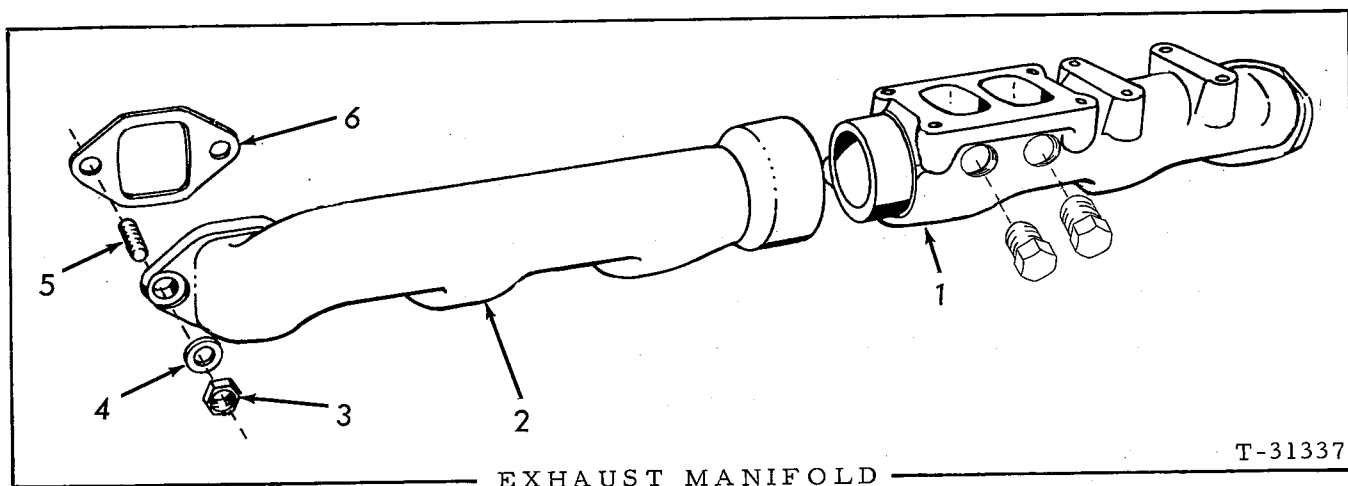
T-31329

ITEM	PART NO.	QTY.	DESCRIPTION
1	3050211	1	FAN, cooling, suction
	3048858	1	FAN, cooling, pusher
	920682	6	CAPSCREW, 3/8" NC x 5-1/2"
	904206	6	LOCKWASHER, 3/8"
2	4357981	1	SPACER, fan
3	4339464	1	HUB ASSEMBLY, fan (Includes items 10 thru 24)
	4339459	1	NUT, safety
	915946	1	PIN, roll
4	4347781	1	SPACER, fan hub
5	4252241	1	SCREW, fan belt adjustment
6	4336777	1	BRACKET, fan mounting
	916317	3	CAPSCREW, 1/2" NC x 2-3/4"
	904208	3	LOCKWASHER, 1/2"
7	915969	1	CAPSCREW, 1/2" NC x 3"
	913432	1	WASHER, heavy, 17/32"
8	4335846	2	BELT, fan (matched)
10	4056232	1	WASHER, plain, spindle clamping, rear
11	4056068	1	SPINDLE
12	4371707	1	LOCKWIRE, fan hub

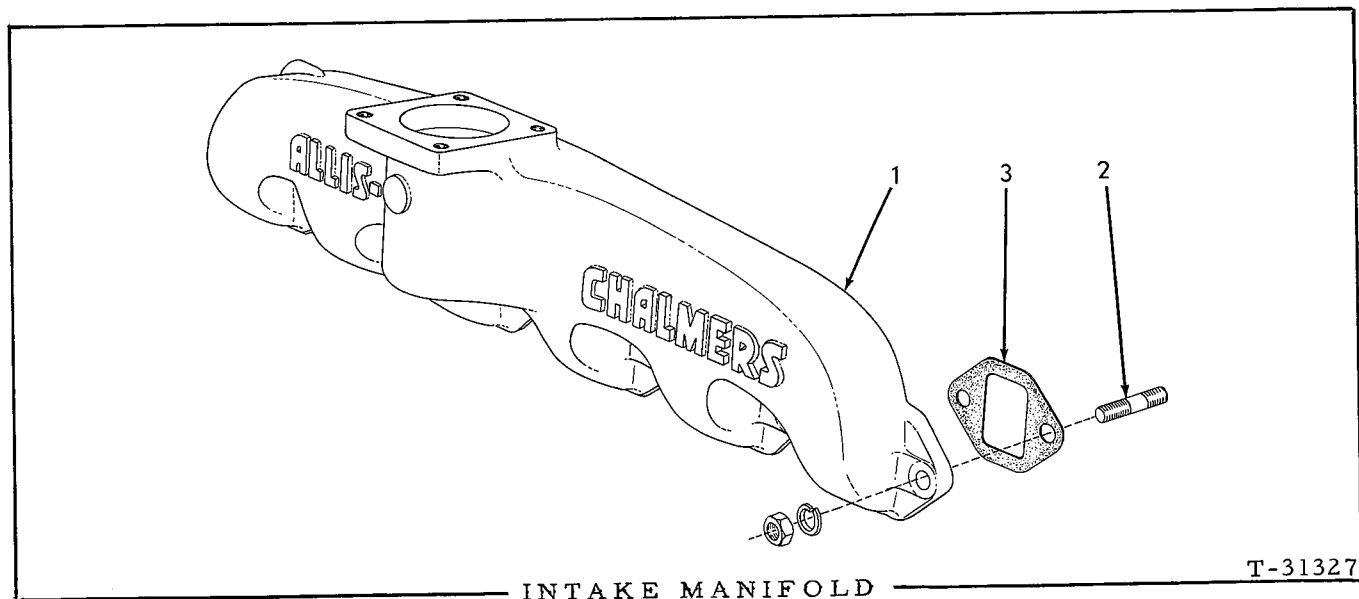
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FAN (Continued)

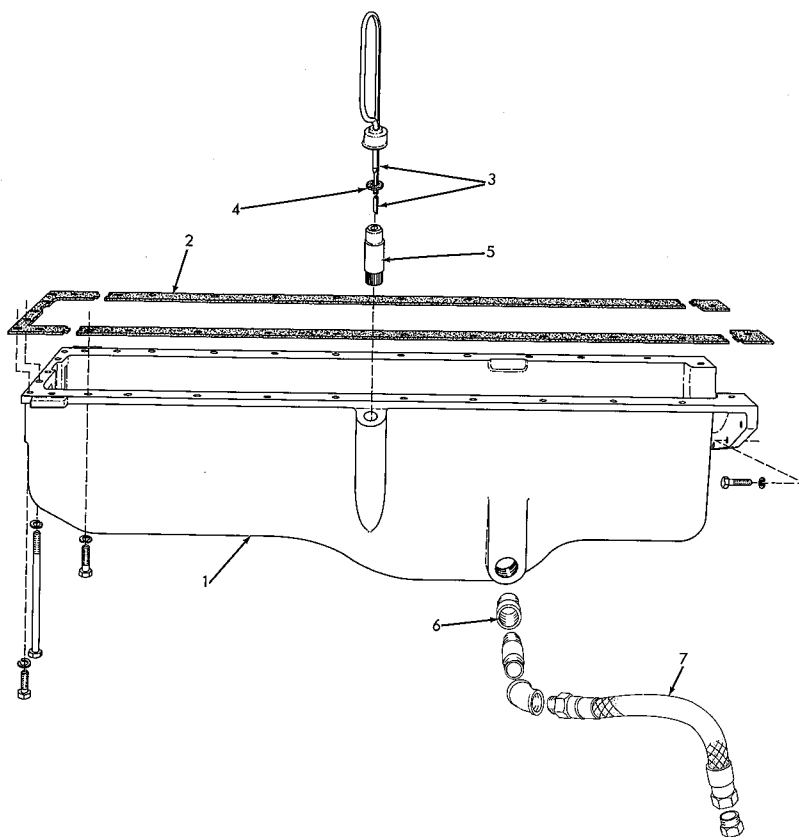
ITEM	PART NO.	QTY.	DESCRIPTION
13	4040386	1	RETAINER, spindle sealing washer
14	4040385	1	WASHER, spindle sealing (cork)
15	4040384	1	WASHER, retaining, rear bearing
16	4640976	1	GASKET, bearing retaining washer
17	4253863	1	BEARING, ball, front
18	4040383	1	SPACER, spindle bearings
19	4640978	1	WASHER, spacing, rear bearing
20	4253862	1	BEARING, ball rear
21	4348502	1	NUT, spindle
	911064	1	PIN, cotter
22	-----	1	HUB, fan (Not serviced, Order item 3)
	914465	2	FITTING, lubricating, st., 1/8" NPT
23	088561	1	CAP, hub
24	4042081	1	RING, snap, cap retaining



ITEM	PART NO.	QTY.	DESCRIPTION
1	4339511	1	MANIFOLD, exhaust, rear
	919840	2	PLUG, pipe, hex-hd., 1/4" NPT
2	4335623	1	MANIFOLD, exhaust, front
3	4253270	12	NUT, manifold stud
4	4371107	12	WASHER, plain, stud nut
5	4346208	12	STUD, exhaust manifold
6	4338511	6	□ GASKET, exhaust manifold



ITEM	PART NO.	QTY.	DESCRIPTION
1	4336454	1	MANIFOLD, intake
2	4346208	12	STUD, exhaust manifold
	904208	12	LOCKWASHER, 1/2"
	910325	12	NUT, 1/2" NC
3	4346138	6	□ GASKET, intake manifold
			□ (Also see PACKAGED PARTS)

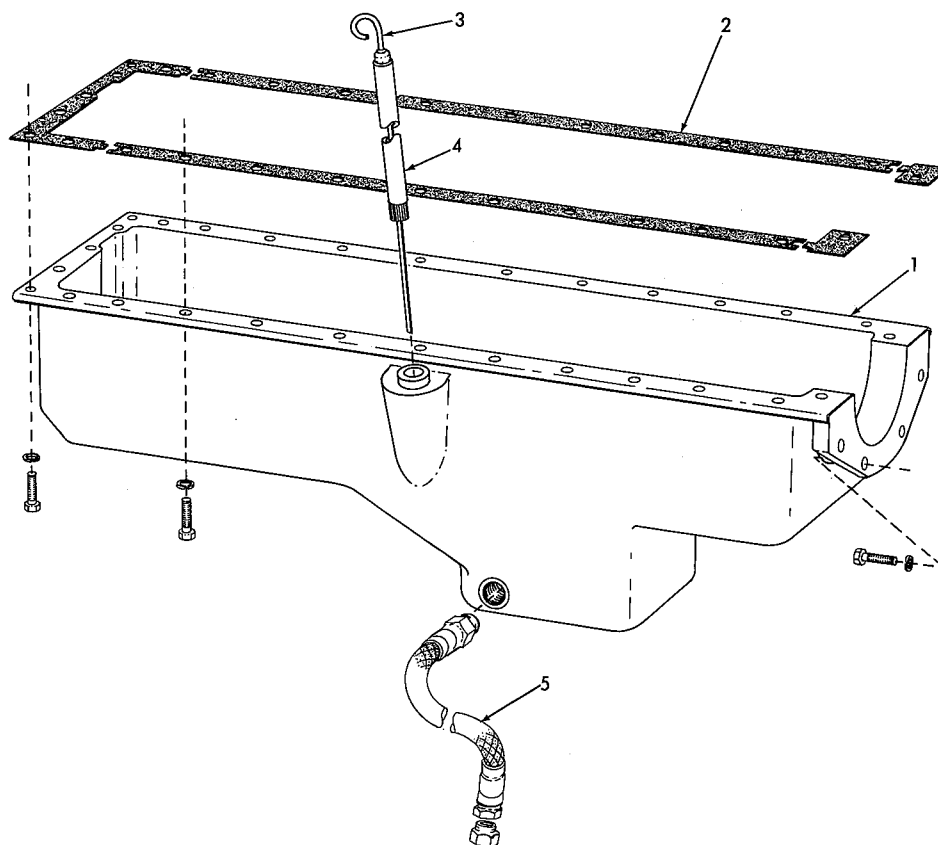


OIL PAN

T-29441

USAGE: Used prior to engine serial #11-13101, excluding 11-12846, 11-13010, 11-13011

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336406	1	PAN, oil
	901726	1	ELBOW, street, 90°, 1" NPT
	921073	1	PLUG, pipe, hex-hd., 1" NPT
	919224	29	CAPSCREW, 3/8" NC x 1-1/8"
	914392	2	CAPSCREW, 5/16" NC x 1"
	919787	3	CAPSCREW, 5/16" NC x 6-1/2"
	904206	29	LOCKWASHER, 3/8"
	904205	5	LOCKWASHER, 5/16"
2	4347543	1	GASKET SET, oil pan (5 pieces)
3	4337071	1	GAUGE, oil level
4	4506607	1	SEAL, oil level gauge
5	4349037	1	ADAPTER, oil level gauge
6	4358976	1	ADAPTER, drain hose
	901520	1	NIPPLE, pipe, 1-1/2"
	901695	1	ELBOW, pipe, 45°, 1" NPT
7	4357853	1	HOSE ASSEMBLY, oil drain
	920416	1	PLUG, pipe, 1/2" NPT



OIL PAN

T-73136

USAGE: Effective with engine serial #11-13101, including 11-12846, 11-13010 and 11-13011

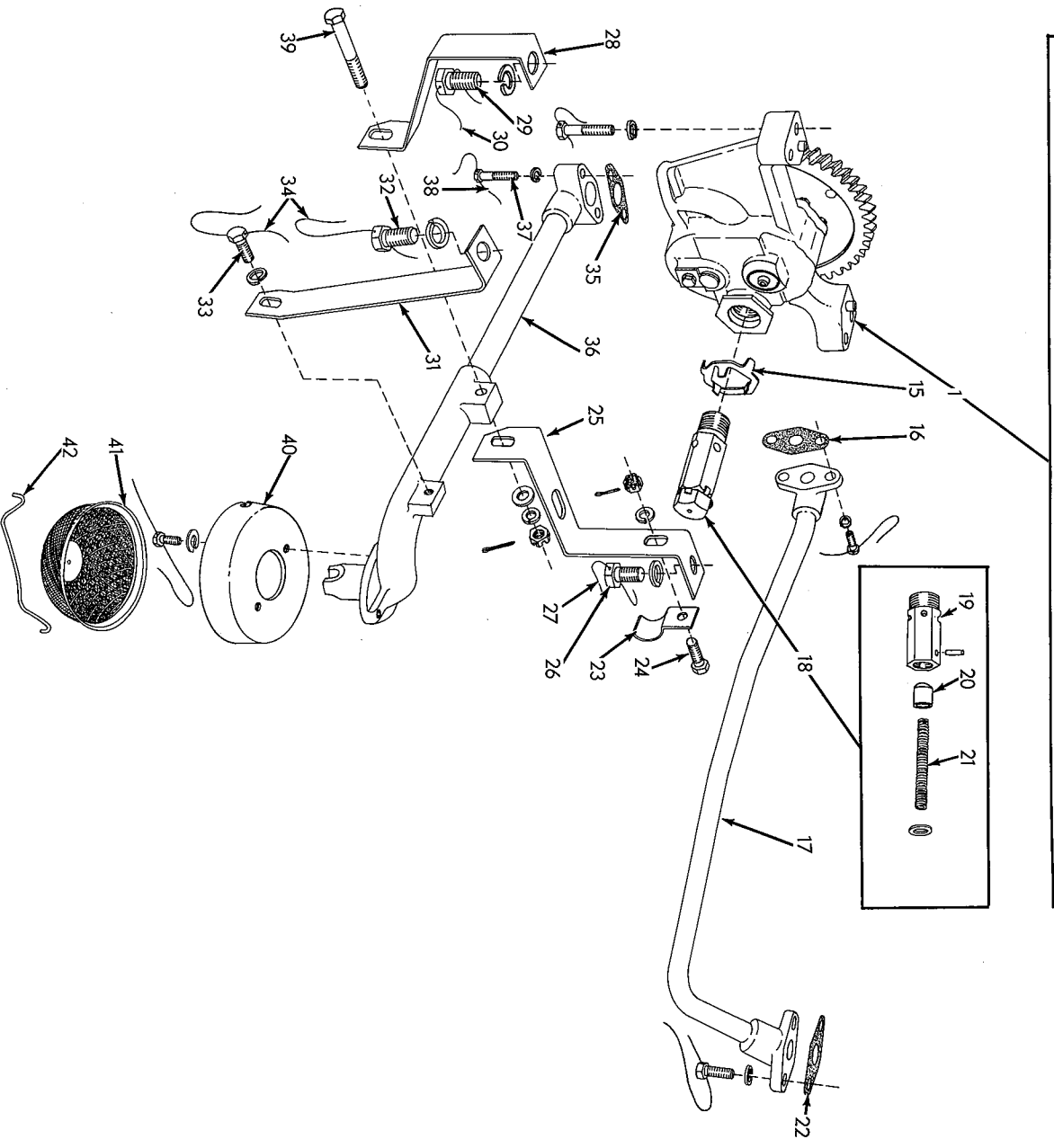
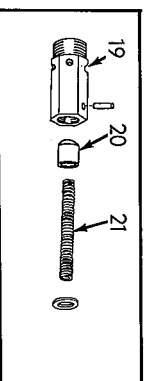
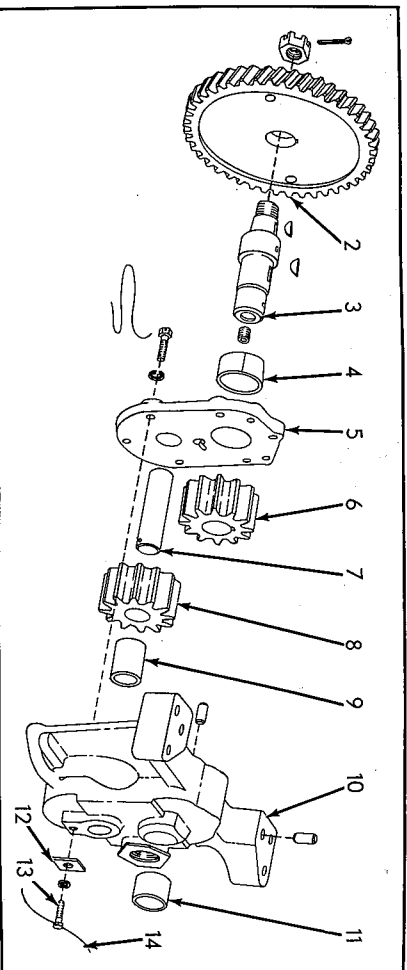
ITEM	PART NO.	QTY.	DESCRIPTION
1	4357794	1	PAN, oil
	916271	29	CAPSCREW, 3/8" NC x 1-1/8"
	914392	5	CAPSCREW, 5/16" NC x 1"
	904206	29	LOCKWASHER, 3/8"
	904205	5	LOCKWASHER, 5/16"
2	4347543	1	GASKET, oil pan (5 pieces)
3	4357356	1	GAUGE, oil level
4	4357357	1	ADAPTER ASSEMBLY, oil level gauge
5	4357853	1	HOSE ASSEMBLY, oil drain
	920416	1	PLUG, pipe, 1/2" NPT
	924673	1	NUT, locking

OIL PUMP

USAGE: Used prior to engine serial #11-13101, excluding 11-12846, 11-13010, 11-13011

ITEM	PART NO.	QTY.	DESCRIPTION
1	4337572	1	PUMP ASSEMBLY (Includes items 2 thru 14)
	919226	4	CAPSCREW, drilled-hd., 3/8" NC x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
2	4337047	1	GEAR, driving
3	4337576	1	SHAFT, upper
	910224	2	KEY, #6 woodruff, 5/32" x 5/8"
	912840	1	NUT, slotted, 5/8" NF
	900807	1	PIN, cotter, 1/8" x 1-1/4"
	917673	1	PLUG, pipe, ctsk., hex-socket, 1/8" NPT
4	4337584	1	BUSHING, pump cover
5	4337582	1	COVER ASSEMBLY (Includes item 4)
	4875601	6	CAPSCREW, drilled-hd., 1/4" NC x 7/8"
	904204	6	LOCKWASHER, 1/4"
	4348691	3	WIRE, locking
6	4337577	1	GEAR, upper
7	4337581	1	SHAFT, lower
8	4337578	1	GEAR ASSEMBLY, lower (Includes item 9)
9	4337580	1	BUSHING, lower gear
10	4337573	1	HOUSING ASSEMBLY, (Includes item 11 and dowel PINS indented below)
	917554	1	PIN, dowel, 1/4" x 1/2"
	917546	1	PIN, dowel, 3/8" x 5/8"
11	4337575	1	BUSHING, pump housing
12	4348020	1	RETAINER, lower shaft
13	4349378	1	CAPSCREW, drilled-hd., 1/4" NC x 1/2"
	904204	1	LOCKWASHER, 1/4"
14	4348769	1	WIRE, locking, #18 x 4"
15	4347938	1	LOCK, pressure relief valve body
16	4348215	1	□ GASKET, discharge pipe to pump
17	4335382	1	PIPE, discharge
	915813	2	CAPSCREW, drilled-hd., 5/16" NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
	916272	2	CAPSCREW, drilled-hd., 3/8" NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
18	4354573	1	VALVE ASSEMBLY, oil pressure relief (Includes items 18 thru 21)
19	-----	1	BODY, pressure relief valve (Not serviced separately)
	913168	1	WASHER, relief valve
	916100	1	PIN, roll, relief valve
20	-----	1	PISTON, pressure relief valve (Not serviced separately)
21	4354568	1	SPRING, pressure relief valve

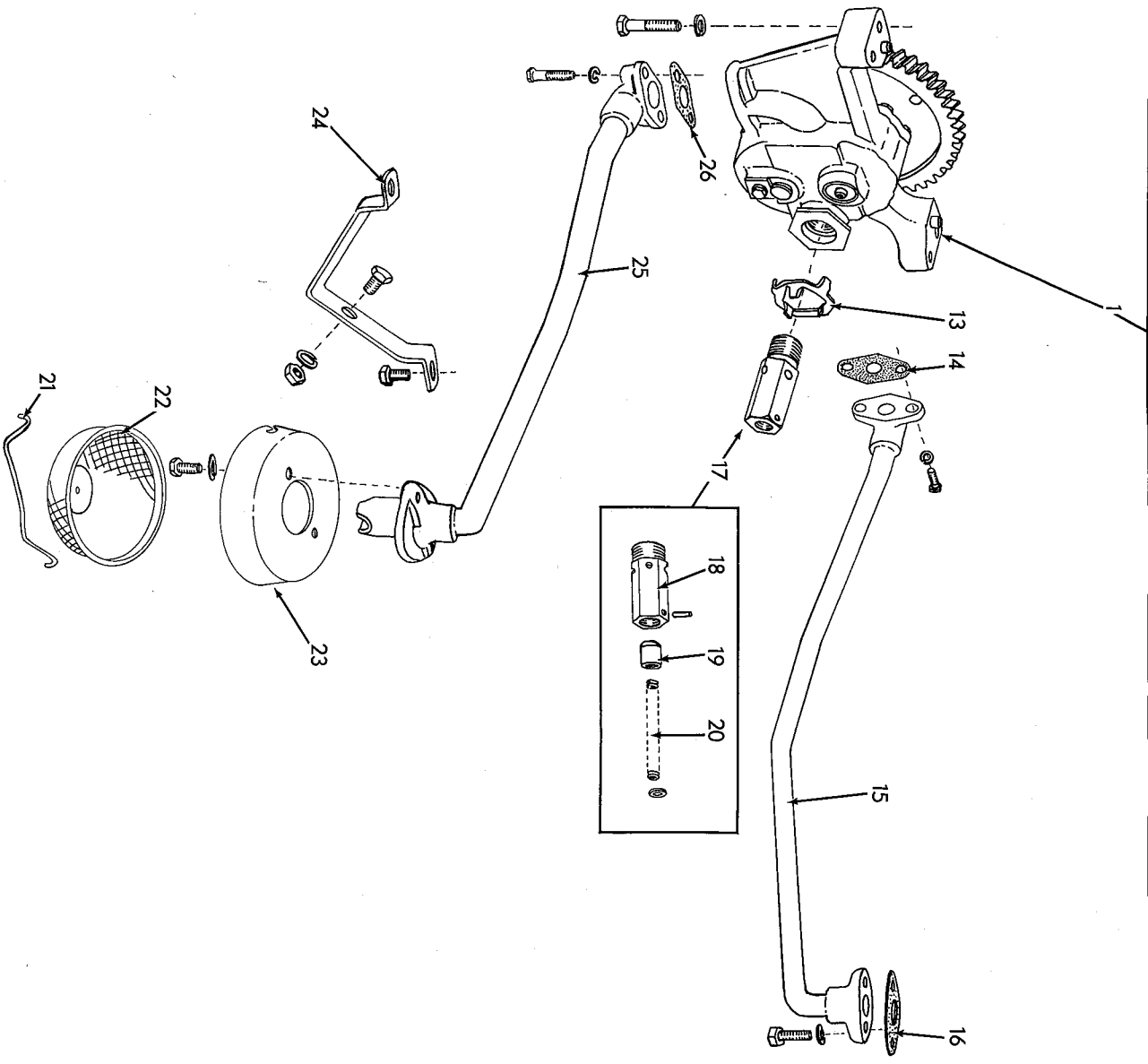
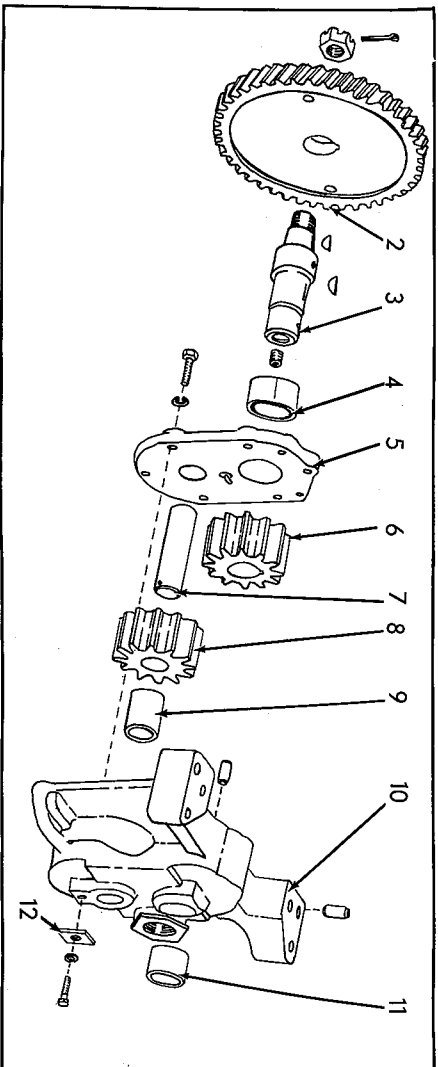
(Continued)



OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	4346169	1	□ GASKET, discharge pump to crankcase
23	4347572	1	CLAMP, discharge pipe
24	4335152	1	CAPSCREW, drilled end, 3/8" NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	914773	1	NUT, slotted, 3/8" NC
	900802	1	PIN, cotter, 3/32" x 1"
25	4336386	1	BRACKET, suction pipe supporting, left
26	4375812	1	CAPSCREW, drilled-hd., 1/2" NC x 1"
	904208	1	LOCKWASHER, 1/2"
27	4348691	1	WIRE, locking, #18 x 6"
28	4336384	1	BRACKET, suction pipe supporting, right front
29	4375812	1	CAPSCREW, drilled-hd., 1/2" NC x 1"
	904208	1	LOCKWASHER, 1/2"
30	4348691	1	WIRE, locking, #18 x 6"
31	4336385	1	BRACKET, suction pipe supporting, right rear
32	4375812	1	CAPSCREW, drilled-hd., 1/2" NC x 1"
	904208	1	LOCKWASHER, 1/2"
33	4369110	1	CAPSCREW, drilled-hd., 3/8"
	904206	1	LOCKWASHER, 3/8"
34	4348691	2	WIRE, locking, #18 x 6"
35	4348218	1	□ GASKET, suction pipe to pressure pump
36	4336383	1	PIPE, suction
37	4349375	2	CAPSCREW, drilled-hd., 5/16" NC x 1-5/8"
	904205	2	LOCKWASHER, 5/16"
38	4509035	1	WIRE, locking, #18 x 10"
39	4335153	1	CAPSCREW, drilled end, 3/8" NC x 2-1/4"
	912597	1	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	914773	1	NUT, slotted, 3/8" NC
	900802	1	PIN, cotter, 3/32" x 1"
40	4389732	1	COVER, oil screen
	915809	2	CAPSCREW, 5/16" NC x 3/4"
	904205	2	LOCKWASHER, 5/16"
41	4348683	1	SCREEN, oil
42	4348682	1	RETAINER, oil screen

□ (Also see PACKAGED PARTS)



OIL PUMP

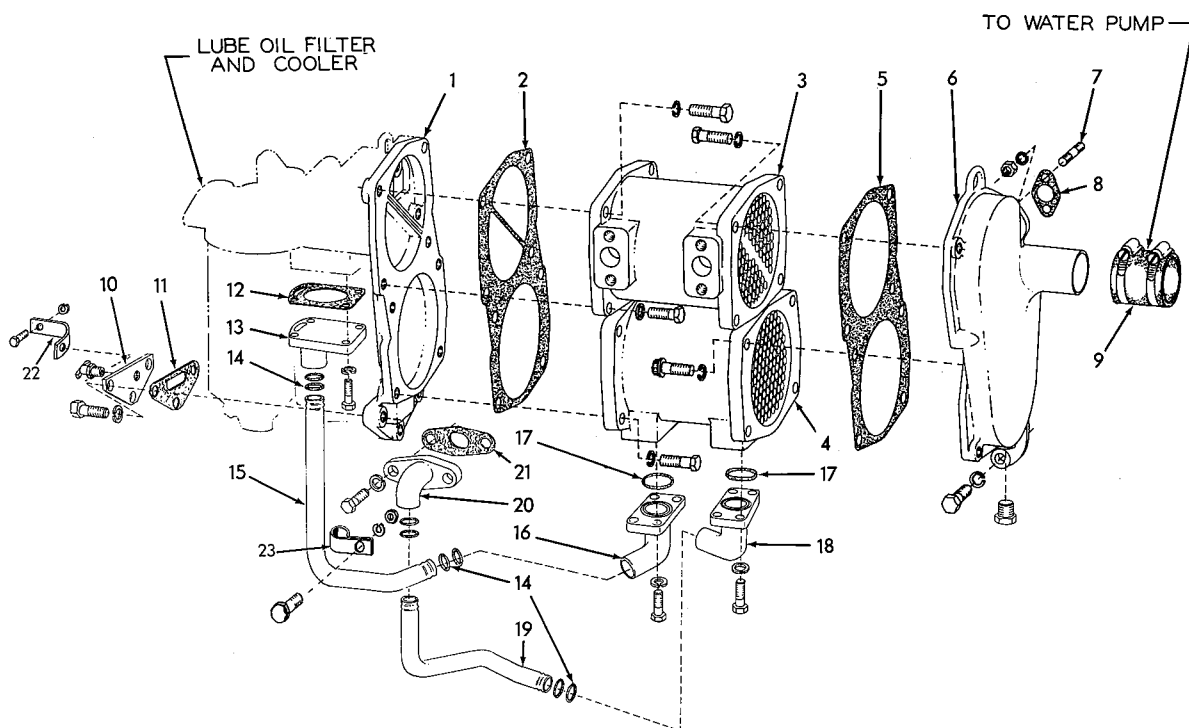
USAGE: Effective with engine serial no. 11-13101, including 11-12846, 11-13010 and 11-13011)

ITEM	PART NO.	QTY.	DESCRIPTION
1	4337572	1	PUMP ASSEMBLY (Consists of items 2 thru 12)
	919226	4	CAPSCREW, 3/8" NC x 1-5/8"
	904206	4	LOCKWASHER, 3/8"
2	4337047	1	GEAR, driving
3	4337576	1	SHAFT, upper
	910224	2	KEY, #6 woodruff, 5/32" x 5/8"
	912840	1	NUT, slotted, 5/8" NF
	900807	1	PIN, cotter, 1/8" x 1-1/4"
	917673	1	PLUG, pipe, hex-socket, 1/8" NPT
4	4337584	1	BUSHING, pump cover
5	4337582	1	COVER ASSEMBLY (Includes item 4)
	4875601	6	CAPSCREW, drilled-hd., 1/4" NC x 7/8"
	904204	6	LOCKWASHER, 1/4"
	4348691	3	WIRE, locking, #18 x 10"
6	4337577	1	GEAR, upper
7	4337581	1	SHAFT, lower
8	4337578	1	GEAR ASSEMBLY, lower (Includes item 9)
9	4337580	1	BUSHING, lower gear
10	4337573	1	HOUSING ASSEMBLY (Includes item 11 and PINS indented below)
	917554	1	PIN, dowel, 1/4" x 1/2"
	917546	1	PIN, dowel, 3/8" x 5/8"
11	4337575	1	BUSHING, pump housing
12	4348020	1	RETAINER, lower shaft
	4349378	1	CAPSCREW, drilled-hd., 1/4" NC x 1/2"
	904204	1	LOCKWASHER, 1/4"
	4348769	1	WIRE, locking, #18 x 4"
13	4347938	1	LOCK, pressure relief valve
14	4348215	1	GASKET, pump end
15	4335382	1	PIPE, discharge (Serviced only as a unit)
	915813	2	CAPSCREW, 5/16" NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
	916272	2	CAPSCREW, 3/8" NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
16	4346169	1	GASKET, discharge pipe to crankcase
17	4354573	1	VALVE ASSEMBLY, oil pressure relief (Includes items 18 thru 20)
18	-----	1	BODY, pressure relief (Not serviced separately)
19	-----	1	PISTON, pressure valve (Not serviced separately)
20	4354568	1	SPRING, pressure relief valve
	913168	1	WASHER, plain, U. S. S. std., 9/32"
	916001	1	PIN, roll, 3/16" x 1"

(Continued)

OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	4376294	1	RETAINER, screen
22	4374127	1	SCREEN, oil
23	4389732	1	COVER, oil screen
	915809	2	CAPSCREW, 5/16" NC x 3/4"
	904205	2	LOCKWASHER, 5/16"
24	4357363	1	BRACKET, mounting, tube
	916310	2	CAPSCREW, 1/2" NC x 1"
	904208	2	LOCKWASHER, 1/2"
25	4357360	1	TUBE ASSEMBLY
	919290	2	CAPSCREW, 5/16" NC x 1-5/8"
	904205	2	LOCKWASHER, 5/16"
	913827	1	CAPSCREW, 5/8" NC x 1-1/4"
	904209	1	LOCKWASHER, 5/8"
	910308	1	NUT, 5/8" NC
26	4348218	1	GASKET, pump end



HEAT EXCHANGERS

T-73176

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339116	1	COVER, rear
2	4339697	1	GASKET, rear cover
3	4339120	1	EXCHANGER, heat, transmission oil
	916313	4	CAPSCREW, 1/2" NC x 1-3/4"
	904208	4	LOCKWASHER, 1/2"
	916255	1	CAPSCREW, 7/16" NC x 1-3/4"
	904207	1	LOCKWASHER, 7/16"
	922066	2	SCREW, 12-point, 1/2" NC x 1-3/4"
4	4339119	1	EXCHANGER, heat, engine oil
	916313	6	CAPSCREW, 1/2" NC x 1-3/4"
	904208	6	LOCKWASHER, 1/2"
	922066	2	SCREW, 12-point, 1/2" NC x 1-3/4"
5	4339698	1	GASKET, front cover
6	4358587	1	COVER, front
	920333	1	PLUG, pipe, hex-hd., 3/8" NPT
	921556	1	CAPSCREW, 1/2" NC x 2"
	904208	1	LOCKWASHER, 1/2"
7	4514091	2	STUD, attaching, front cover
	4115287	2	NUT
	904206	2	LOCKWASHER, 3/8"
8	4348185	1	□ GASKET, front cover to block

(Continued)

HEAT EXCHANGERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	4506737	1	HOSE, water pump to cooler
	4253922	2	CLAMP, hose
10	4357701	1	COVER, flange
	912415	1	COCK, drain, 1/4" NPT
	916311	3	CAPSCREW, 1/2" NC x 1-1/4"
	904208	3	LOCKWASHER, 1/2"
11	4339127	1	GASKET, flange cover
12	4339118	1	□ GASKET, filter outlet flange
13	4357689	1	FLANGE, filter outlet
	916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	904206	6	LOCKWASHER, 3/8"
14	923574	8	□ O-RING, oil tubes
15	4357706	1	TUBE, oil filter to heat exchanger
16	4357691	1	ELBOW, oil inlet
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
17	923813	2	□ O-RING, heat exchanger elbows
18	4357692	1	ELBOW, oil outlet
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
19	4357705	1	TUBE, heat exchanger to cylinder block
20	4357690	1	ELBOW, cylinder block
	921076	2	CAPSCREW, 3/8" NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
21	4339151	1	□ GASKET, cylinder block elbow
22	4358763	1	BRACKET, tube support
23	4253771	1	CLAMP, tube
	916268	1	CAPSCREW, 3/8" NC x 5/8"
	904206	1	LOCKWASHER, 3/8"
	910324	1	NUT, 3/8" NC

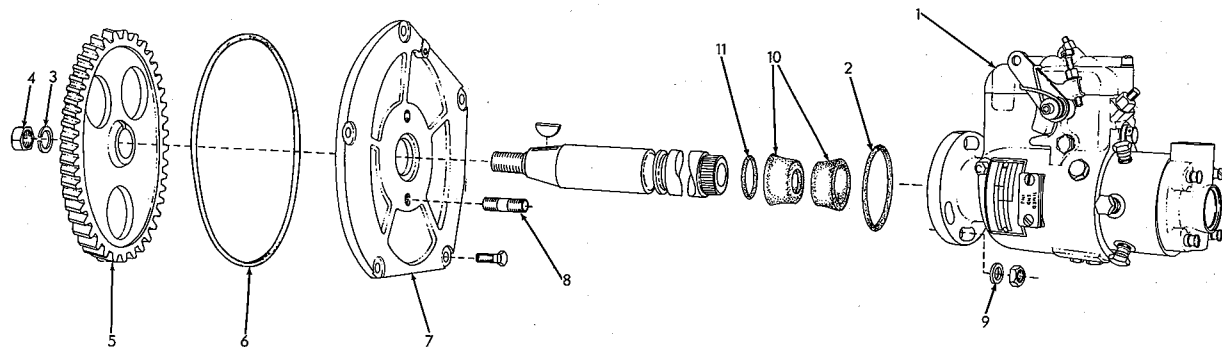
MEMO



T-73177

LUBRICATING OIL FILTER
(Full-flow)

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339198	1	HEAD ASSEMBLY (Includes items 2 thru 8)
	920541	3	CAPSCREW, Nylok, 1/2" NC x 1-1/2"
	920540	1	CAPSCREW, Nylok, 1/2" NC x 1-1/4"
	920574	3	CAPSCREW, 1/2" NC x 1-3/8"
	915969	1	CAPSCREW, 1/2" NC x 3"
	904208	6	LOCKWASHER, 1/2"
	919293	4	CAPSCREW, 3/8" NC x 5"
	904206	4	LOCKWASHER, 3/8"
2	4379263	1	ADAPTOR, cartridge centering, upper
3	4373614	1	SEAT, by-pass valve
4	4373612	1	SLEEVE, by-pass valve piston
5	4373613	1	PISTON, by-pass valve
6	4335666	1	SPRING, by-pass valve
7	4253751	1	GASKET, by-pass valve cap
8	4373610	1	CAP, by-pass valve
9	4339128	1	□ GASKET, filter head
10	4339150	1	□ GASKET, filter head to block, rear
11	4348184	1	□ GASKET, filter head to block, front
12	4339022	2	CAPSCREW, oil filter body
13	4376749	2	WASHER, sealing, filter body capscrow
14	4339454	1	HEAD ASSEMBLY, rear filter (Includes item 16)
	920682	2	CAPSCREW, 3/8" NC x 5-1/2"
	904206	2	LOCKWASHER, 3/8"
	922465	2	WASHER, plain
	916311	1	CAPSCREW, 1/2" NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
	921865	1	CAPSCREW, Nylok, 1/2" NC x 1"
15	4339123	1	□ GASKET, filter interconnection
16	4379263	1	ADAPTOR, cartridge centering, upper
17	4372325	2	GASKET, oil filter body
18	4371021	2	CARTRIDGE ASSEMBLY, oil filter (Includes item 17)
19	4379269	2	RING, snap, adaptor retaining
20	4055971	2	ADAPTOR, cartridge centering, lower
21	4053409	2	SEAL, cartridge adaptor
22	4053410	2	WASHER, cartridge adaptor seal
23	4379268	2	SPRING, cartridge retaining
24	4339021	2	BODY, oil filter
	918951	2	PLUG, pipe, hex-hd., 3/8" NPT
25	4339595	1	BRACKET

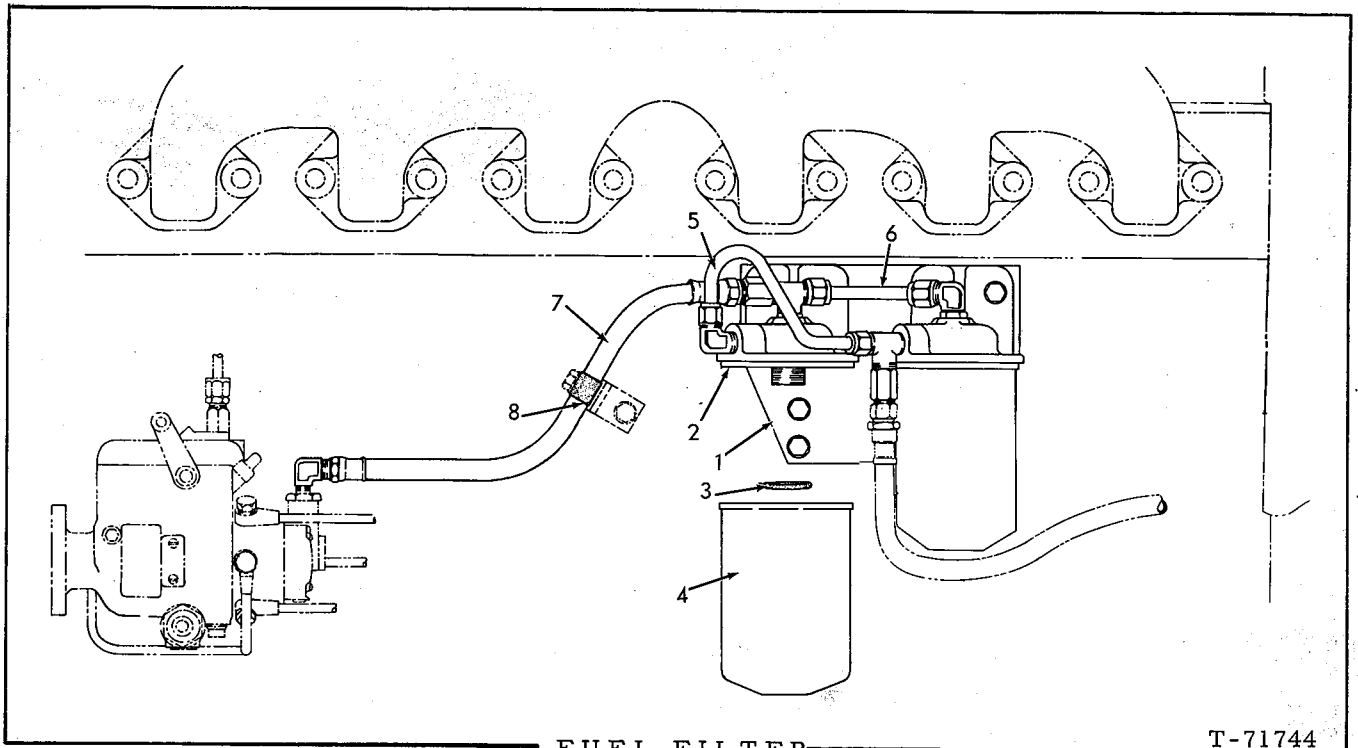


T-71736

INJECTION PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
1	4357415	1	PUMP ASSEMBLY, injection (Includes items 2 thru 4, 10 and 11) (See your Allis-Chalmers dealer for parts)
	910224	1	KEY, #6 woodruff, 5/32" x 5/8"
2	4048596	1	SEAL, pump mounting
3	4048598	1	LOCKWASHER, gear retaining
4	4048597	1	NUT, gear retaining
5	4354362	1	GEAR, pump drive
6	4255152	1	□ O-RING, pump mounting cover
7	4354955	1	COVER, pump mounting
	920473	5	CAPSCREW, 3/8" NC x 3/4" (Nylok)
8	4344938	2	STUD, pump attaching
	910123	2	NUT, 3/8" NF
9	4371718	2	WASHER, serrated
10	4052540	2	SEAL, drive shaft
11	4048596	1	SEAL, pilot

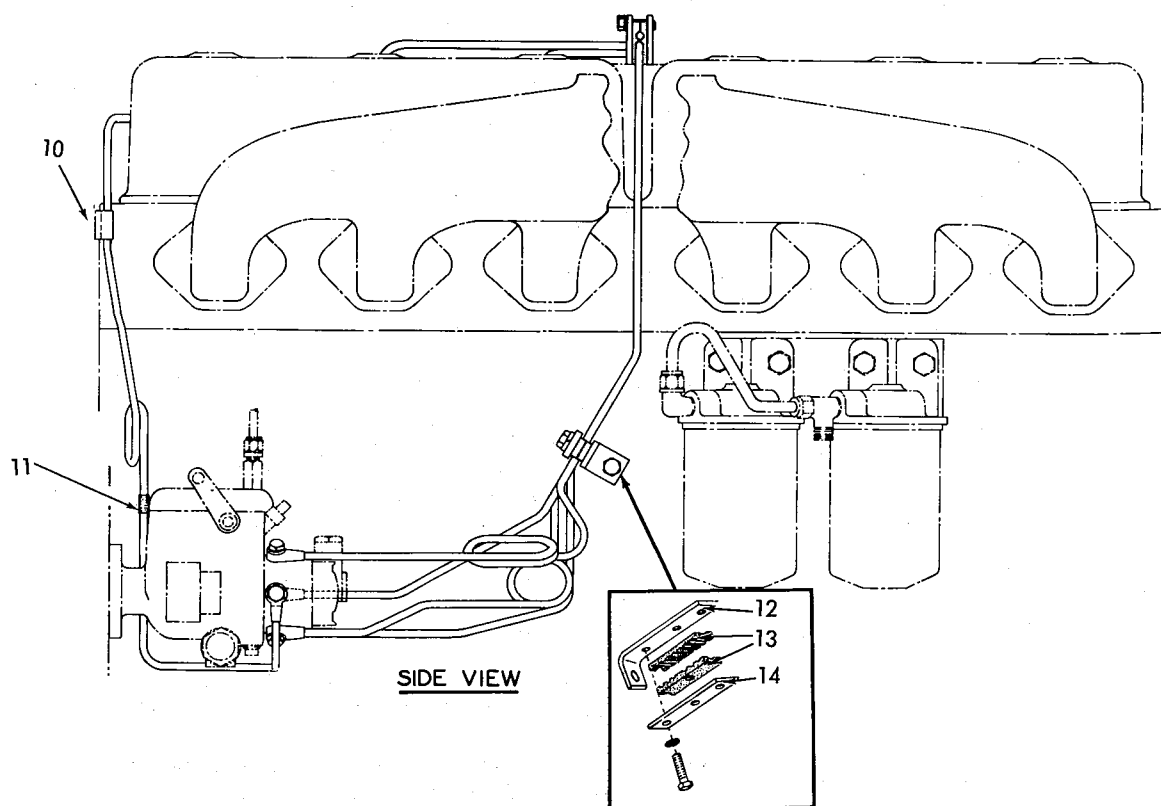
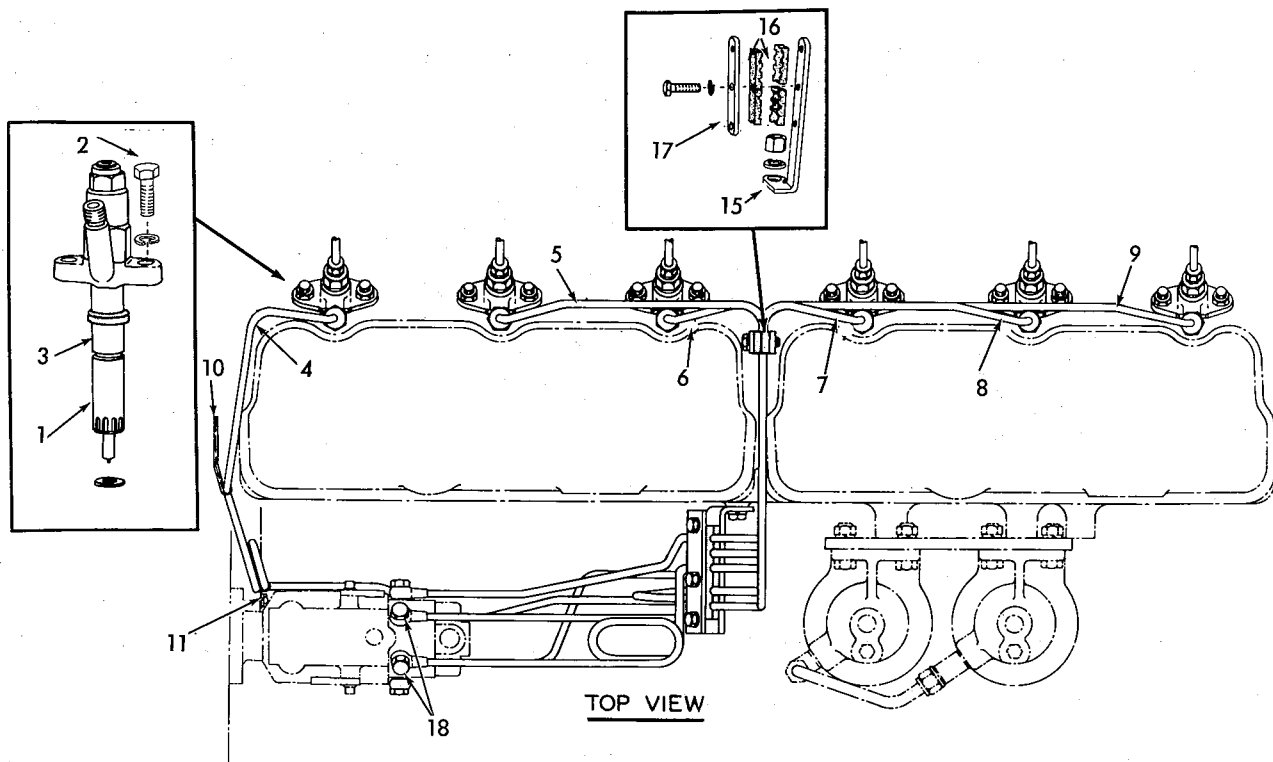
□ (Also see PACKAGED PARTS)



FUEL FILTER

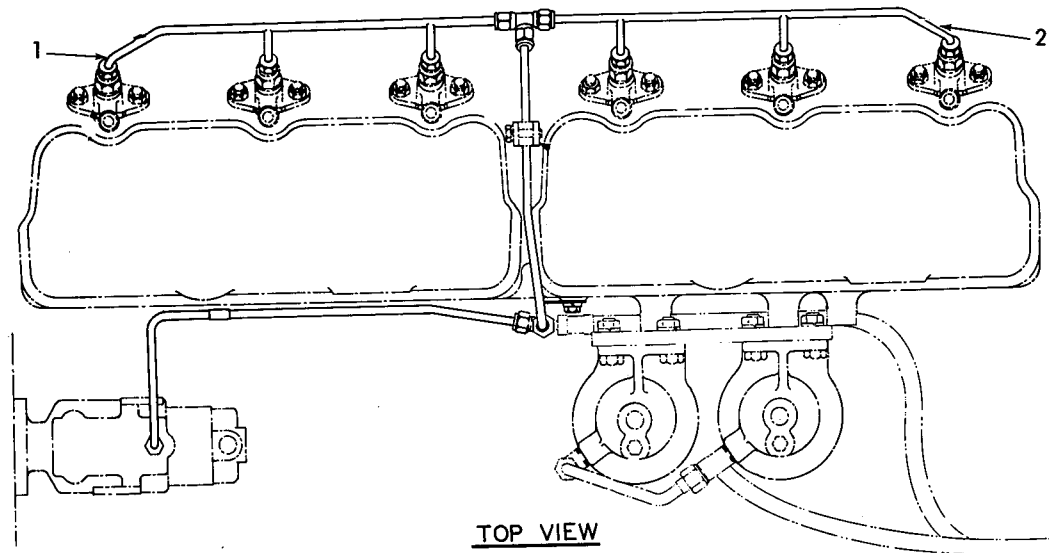
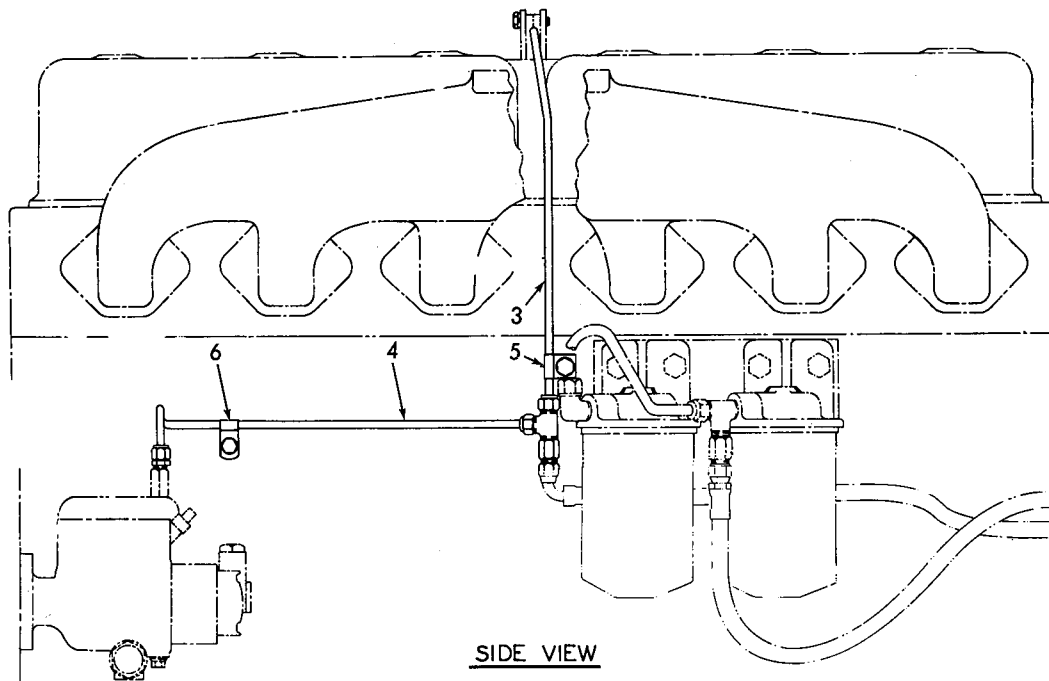
T-71744

ITEM	PART NO.	QTY.	DESCRIPTION
1	4357429	1	BRACKET, filter mounting
	914392	4	CAPSCREW, 5/16" NC x 1"
	904205	4	LOCKWASHER, 5/16"
2	4025229	2	BASE ASSEMBLY, fuel filter (Includes insert which is not serviced separately)
	919134	2	PLUG, pipe, hex-hd., 1/8" NPT
	916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
	912201	4	NUT, 7/16" NC
3	923934	2	O-RING, filter element
4	4025230	2	ELEMENT, fuel filter (Includes item 3)
5	4354393	1	TUBE ASSEMBLY, fuel inlet (Includes NUTS and SLEEVES indented below)
	917810	2	NUT, Imperial, 3/8" tube
	917807	2	SLEEVE, Imperial, 3/8" tube
	919005	1	ELBOW, Imperial, 3/8" tube, 3/8" NPT male
	4354394	1	TEE, Imperial, 3/8" tube, 3/8" NPT male end and side
6	4354391	1	TUBE ASSEMBLY, fuel outlet (Includes NUTS and SLEEVES indented below)
	917810	2	NUT, Imperial, 3/8" tube
	917807	2	SLEEVE, Imperial, 3/8" tube
	919005	1	ELBOW, Imperial, 3/8" tube, 3/8" NPT male
	4354394	1	TEE, Imperial, 3/8" tube, 3/8" NPT male end and side
7	4357430	1	HOSE, filter to pump (See page 6 for parts)
	923979	1	CONNECTOR, flare type, 3/8" tube, 3/8" NPT female
	919135	1	ELBOW, flare type, 3/8" tube, 1/4" NPT male
8	4255010	1	CLAMP, hose supporting



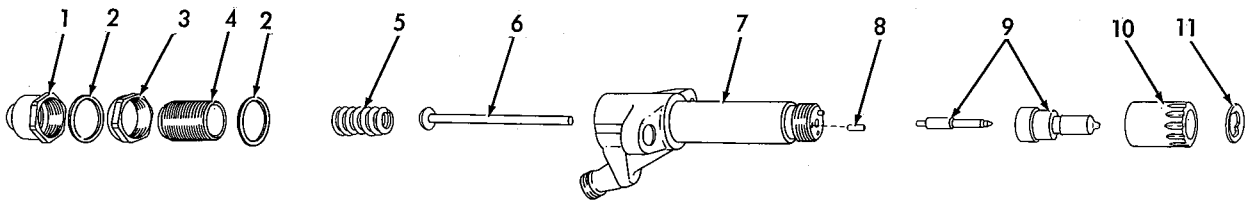
INJECTION NOZZLES AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338804	6	HOLDER ASSEMBLY, injection nozzle (See page 58 for parts)
2	903632	12	CAPSCREW, 3/8" NF x 1-5/8" injection nozzle holder
	910123	12	NUT, 3/8" NF (Used prior to engine serial #11-12978)
	904206	12	LOCKWASHER, 3/8"
3	4025385	12	SHIELD, dirt
4	4339558	1	TUBE, fuel injection (#1 cylinder)
5	4339559	1	TUBE, fuel injection (#2 cylinder)
6	4339560	1	TUBE, fuel injection (#3 cylinder)
7	4339561	1	TUBE, fuel injection (#4 cylinder)
8	4339562	1	TUBE, fuel injection (#5 cylinder)
9	4339563	1	TUBE, fuel injection (#6 cylinder)
10	4339136	1	CLIP, injection tube (#1 cylinder)
11	4354831	1	CLIP, injection tube (#1 cylinder)
	916284	1	CAPSCREW, 1/4" NC x 1/2"
	904204	1	LOCKWASHER, 1/4"
12	4339712	1	BRACKET, tube supporting, lower
	915809	1	CAPSCREW, 5/16" NC x 3/4"
	904205	1	LOCKWASHER, 5/16"
13	4336532	2	SPACER, injection tubes, lower
14	4336531	1	PLATE, clamping, injection tubes, lower
	914670	3	CAPSCREW, 5/16" NC x 1-1/8"
	904205	3	LOCKWASHER, 5/16"
15	4336249	1	BRACKET, tube supporting, upper
	910195	1	NUT, 1/2" NF
	904208	1	LOCKWASHER, 1/2"
16	4507359	4	SPACER, injection tubes, upper
17	4336250	1	CLAMP, injection tubes, upper
	914670	3	CAPSCREW, 5/16" NC x 1-1/8"
	904205	3	LOCKWASHER, 5/16"
18	4056256	12	WASHER, fuel line (Included in Pump Assembly)

TOP VIEWSIDE VIEW

FUEL INJECTION RETURN LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336546	1	MANIFOLD ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	917809	4	NUT, Imperial, 1/4" tube
	917806	4	SLEEVE, Imperial, 1/4" tube
	919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8" NPT male
2	4336547	1	MANIFOLD ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)
	917809	4	NUT, Imperial, 1/4" tube
	917806	4	SLEEVE, Imperial, 1/4" tube
	919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8" NPT male
3	4339691	1	TUBE ASSEMBLY, manifold return (Includes NUTS and SLEEVES indented below)
	917809	2	NUT, Imperial, 1/4" tube
	917806	2	SLEEVE, Imperial, 1/4" tube
	919797	1	TEE, union, Imperial, 1/4" tube
	920411	1	TEE, service, Imperial, 1/4" tube, 1/8" NPT male
4	4339689	1	TUBE ASSEMBLY, pump return (Includes NUTS and SLEEVES indented below)
	917809	2	NUT, Imperial, 1/4" tube
	917806	2	SLEEVE, Imperial, 1/4" tube
	919800	1	CONNECTOR, Imperial, 1/4" tube, 1/8" NPT male
5	4339949	1	CLAMP, manifold return tube
	916277	1	CAPSCREW, 5/16" NC x 5/8"
	904205	1	LOCKWASHER, 5/16"
6	4253435	1	CLAMP, pump return tube
	916277	1	CAPSCREW, 5/16" NC x 5/8"
	904205	1	LOCKWASHER, 5/16"



T-36567

NOZZLE HOLDER ASSEMBLY 4338804

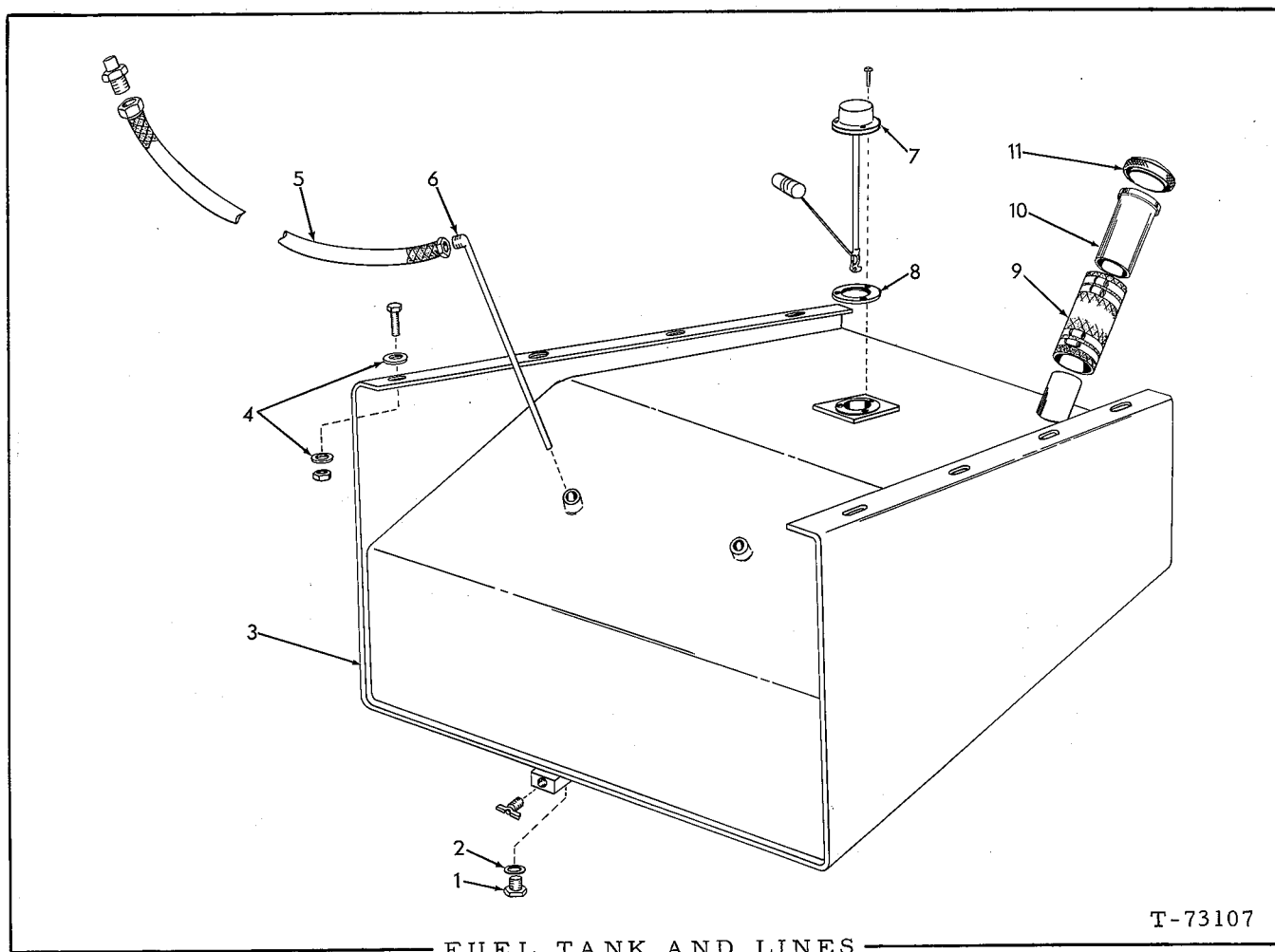
ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: See page 55 for listing of complete Assembly.

Quantities indicated are for one(1) Holder Assembly only.

1	4378032	1	NUT, cap
2	4511243	2	GASKET, cap nut
3	4511213	1	NUT, locking
4	4378033	1	SCREW, adjusting
5	4380652	1	SPRING
6	4380656	1	ROD, spindle
7	-----	1	BODY (Not serviced separately)
8	922943	2	PIN, nozzle locating
9	4338803	1	NOZZLE ASSEMBLY (Includes item 11)
10	4380662	1	NUT, nozzle retaining
11	4378031	1	☐ GASKET, nozzle holder

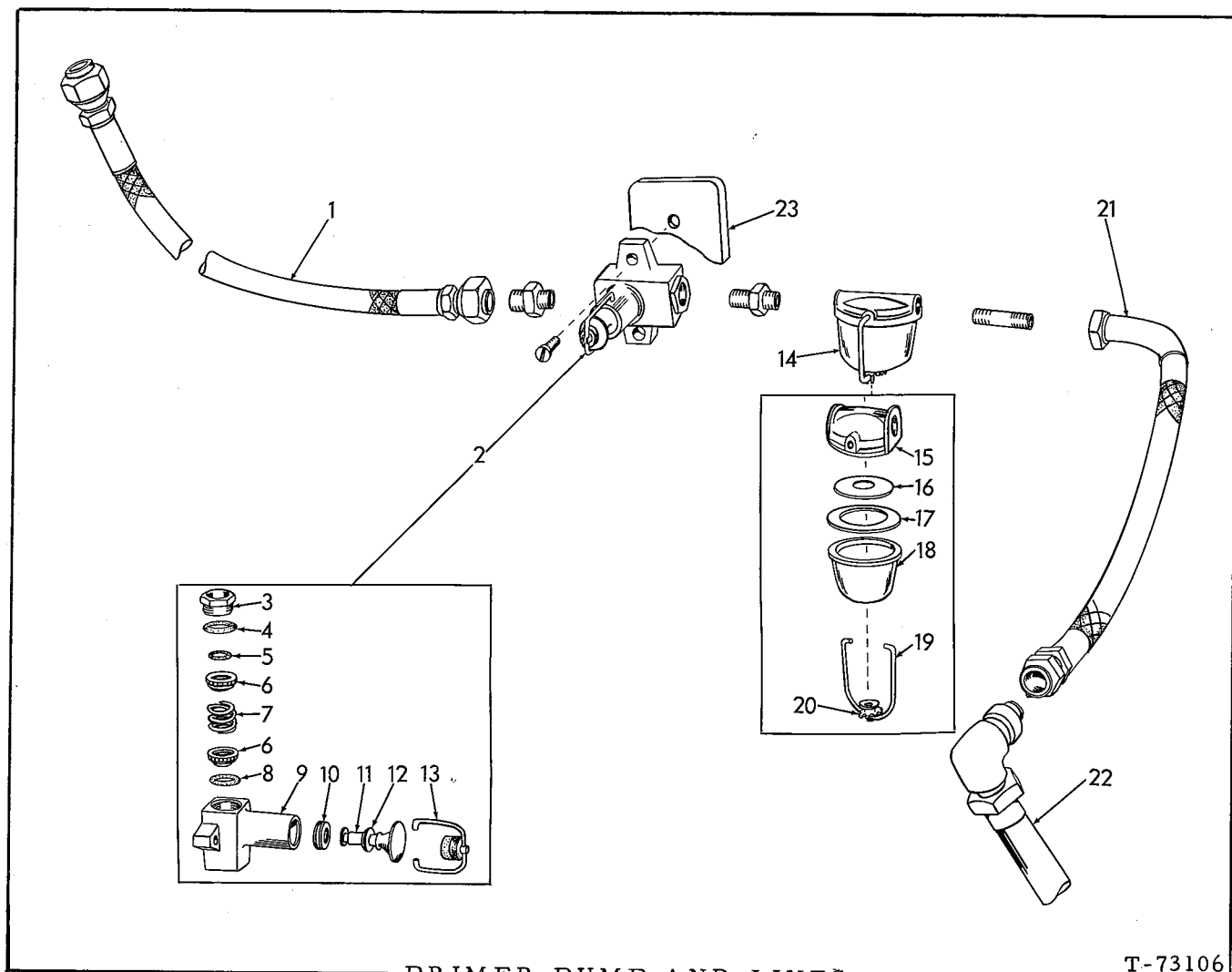
☐ (Also see PACKAGED PARTS)



FUEL TANK AND LINES

T-73107

ITEM	PART NO.	QTY.	DESCRIPTION
1	3010159	1	PLUG ASSEMBLY, drain (magnetic) (Includes item 2)
2	3010158	1	GASKET, drain plug
3	3047536	1	TANK, fuel
	915788	2	CAPSCREW, 5/8" NC x 2-1/4"
4	3026289	4	WASHER, plain
	916589	2	NUT, 5/8" NF
	912415	1	COCK, drain, 1/4" NPT
5	3050282	1	HOSE ASSEMBLY, fuel return
	918809	1	CONNECTOR, imperial flex, 5/16" tube, 1/8" NPT
6	3047515	1	TUBE, fuel return
7	3045189	1	SENDER, fuel gauge unit
	923703	5	CAPSCREW, #10 NF x 1/2"
8	3020293	1	GASKET, fuel gauge unit
9	3028393	1	HOSE, 3" I.D. x 4-1/4"
	921914	4	CLAMP, adjustable (2-13/16" to 3-3/4")
10	3045847	1	TUBE, fuel filler
11	3035950	1	CAP, fuel tank



PRIMER PUMP AND LINES

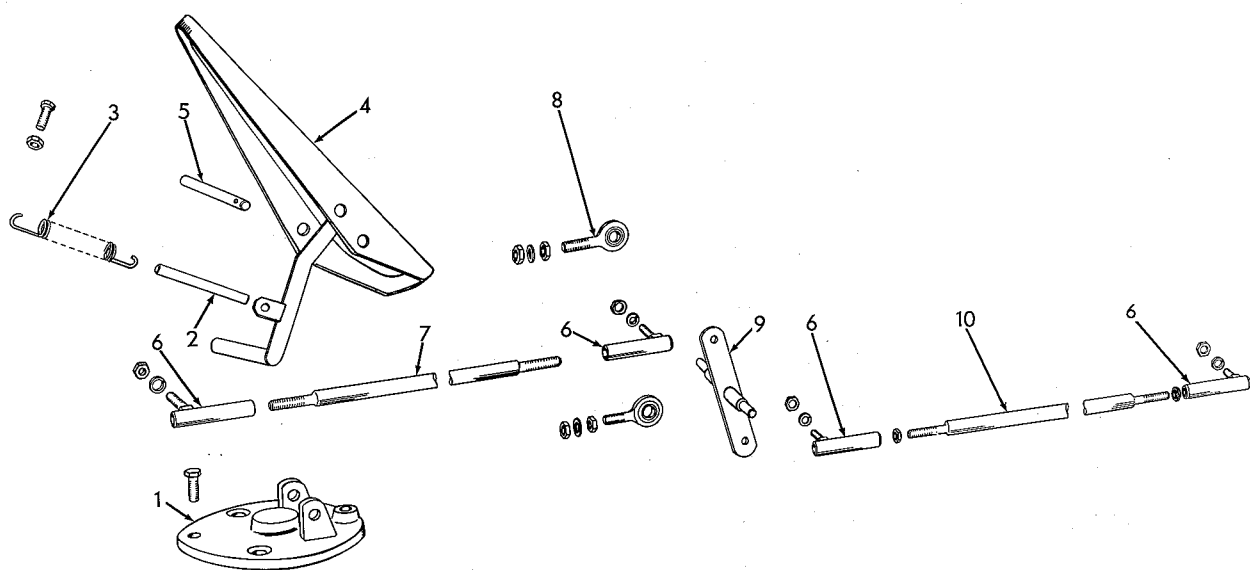
T-73106

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048924	1	HOSE ASSEMBLY, pump to filter
	919582	1	CONNECTOR
	919062	1	ADAPTER, flare type, 3/8" tube, 1/4" NPT male
2	4368977	1	PUMP ASSEMBLY, primer (Includes items 3 thru 13)
	906795	2	SCREW, machine, #10 NF x 1"
	904203	2	LOCKWASHER, #10
	910251	2	NUT, #10 NF
3	4054540	1	NUT, valve
4	4050645	1	RING, seal, valve nut
5	4048649	1	SEAL, valve nut (inner)
6	4050637	2	VALVE, primer pump
7	4050638	1	SPRING, valve retainer
8	4050636	1	GASKET, valve
9	-----	1	BODY, pump (Not serviced, order PUMP ASSEMBLY)

(Continued)

PRIMER PUMP AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	4053035	1	SEAL, piston
11	4053037	2	GUIDE, plunger
12	4053036	1	PLUNGER, pump
13	4050646	1	CLAMP ASSEMBLY (Includes screw and wire) (Serviced only as a unit)
14	3042830	1	FILTER ASSEMBLY, fuel (Includes item 15 thru 20)
	924163	1	NIPPLE, reducing 1/4" to 1/8"
	919072	1	CONNECTOR, flare type, 3/8" tube, 1/8" NPT male
15	-----	1	HEAD, filter (Not serviced, order Filter Assembly)
16	3046760	1	SCREEN, fuel filter
17	3046761	1	GASKET, fuel bowl
18	3046762	1	BOWL, fuel strainer
19	3046763	1	BAIL ASSEMBLY, fuel bowl
20	3046783	1	NUT, retaining, bowl
21	3048865	1	HOSE ASSEMBLY, fuel tank to filter (Crimped-type) (Serviced only as a unit)
22	-----	1	See FUEL TANK AND LINES
23	3048857	1	BRACKET, pump mounting
	915228	2	CAPSCREW, 3/8" NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF

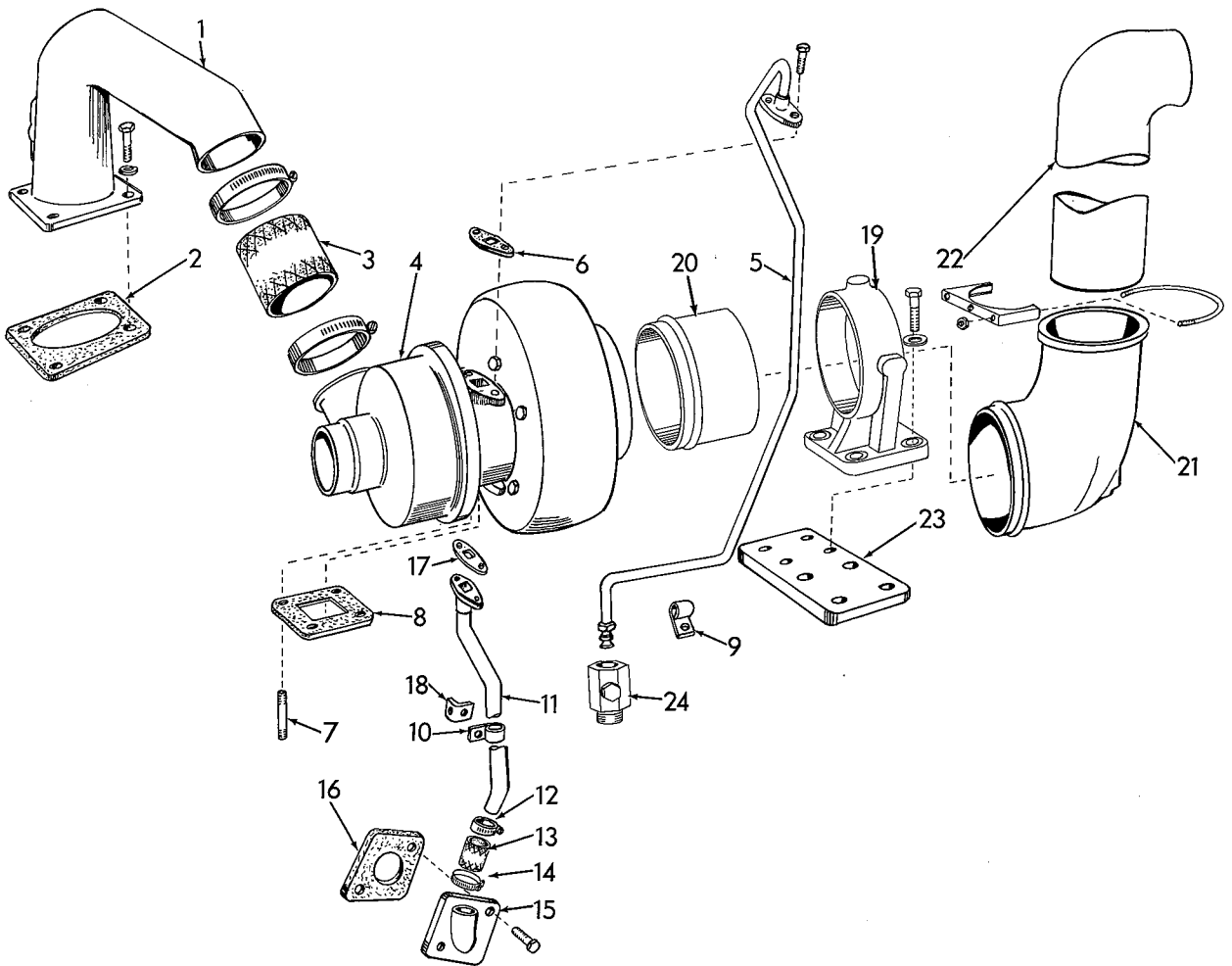


T-73110

ENGINE CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	3050228	1	BRACKET, pedal mounting
	920622	3	CAPSCREW, 5/16" NF 1"
	904205	3	LOCKWASHER, 5/16"
	913636	3	NUT, 5/16" NF
	917462	1	CAPSCREW, 1/4" NC x 1-1/4"
	911327	1	NUT, jam, 1/4" NC
2	3021657	1	ROD, accelerator pedal
3	3014226	1	SPRING, accelerator rod
4	3050227	1	PEDAL, accelerator
	916387	1	CAPSCREW, 3/8" NF x 2-1/2"
	911041	1	NUT, 3/8" NF
5	3048322	1	PIN, pivot
	910147	1	PIN, cotter
6	3039766	4	JOINT, ball
	904204	4	LOCKWASHER, 1/4"
	911041	4	NUT, 1/4" NF
7	3047410	1	ROD, control, front
	911041	2	NUT, 3/8" NF
8	3014549	2	BEARING, rod end
	904207	2	LOCKWASHER, 7/16"
	910267	4	NUT, jam, 7/16" NF
9	3048630	1	SHAFT, pivot
10	3047420	1	ROD, control, rear

MEMO



TURBOCHARGER

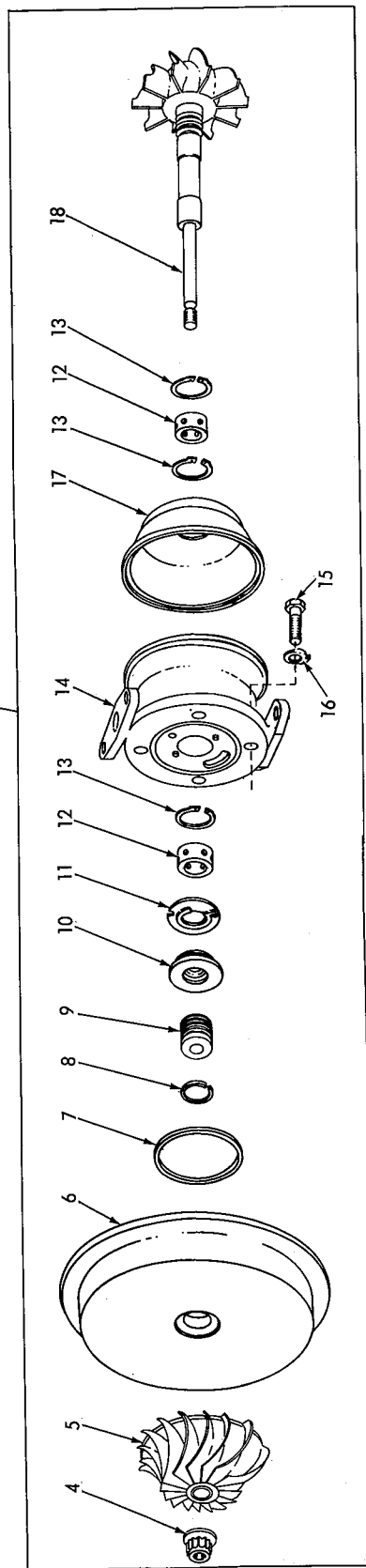
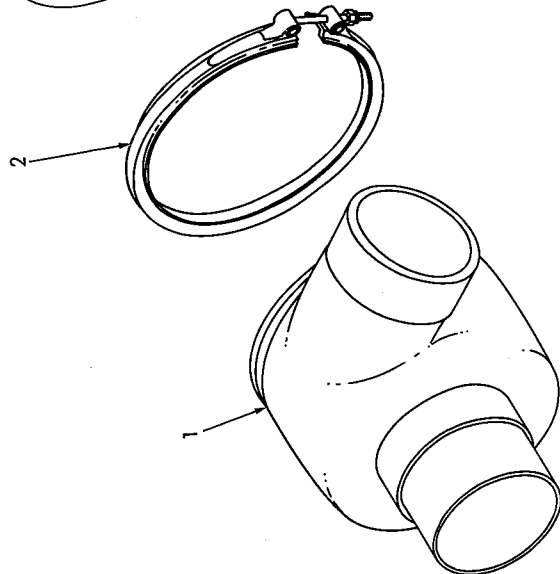
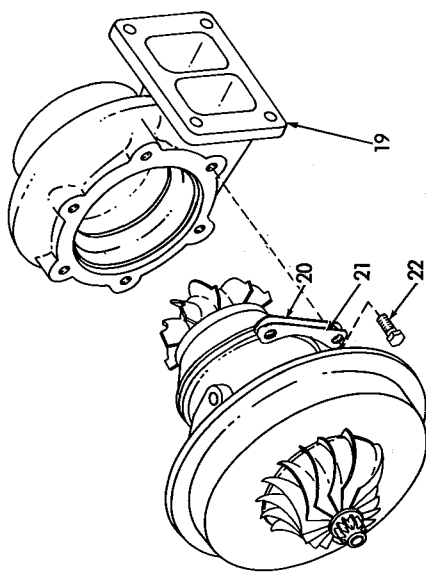
T-73142

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339585	1	ELBOW, air discharge
	919230	4	CAPSCREW, 1/2" NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
2	4349193	1	GASKET, air discharge elbow
3	4388349	1	HOSE, air discharge elbow
	4255644	2	CLAMP, hose

(Continued)

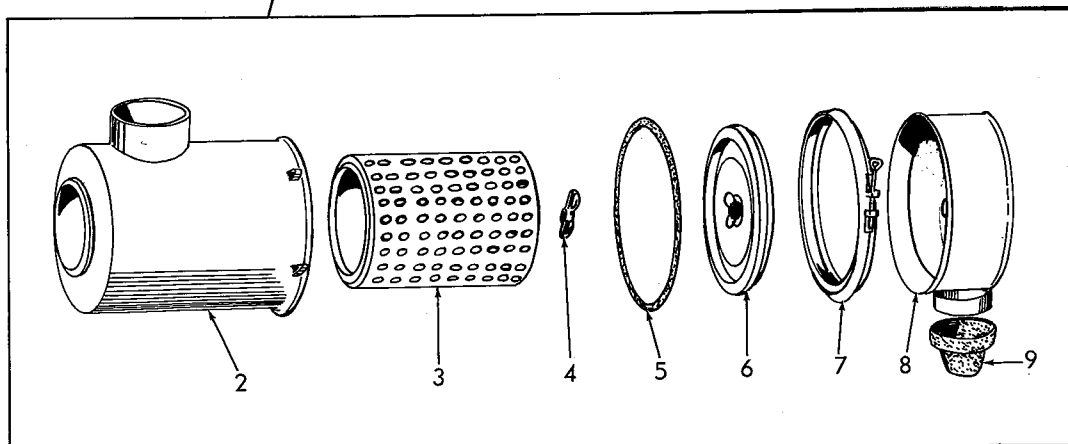
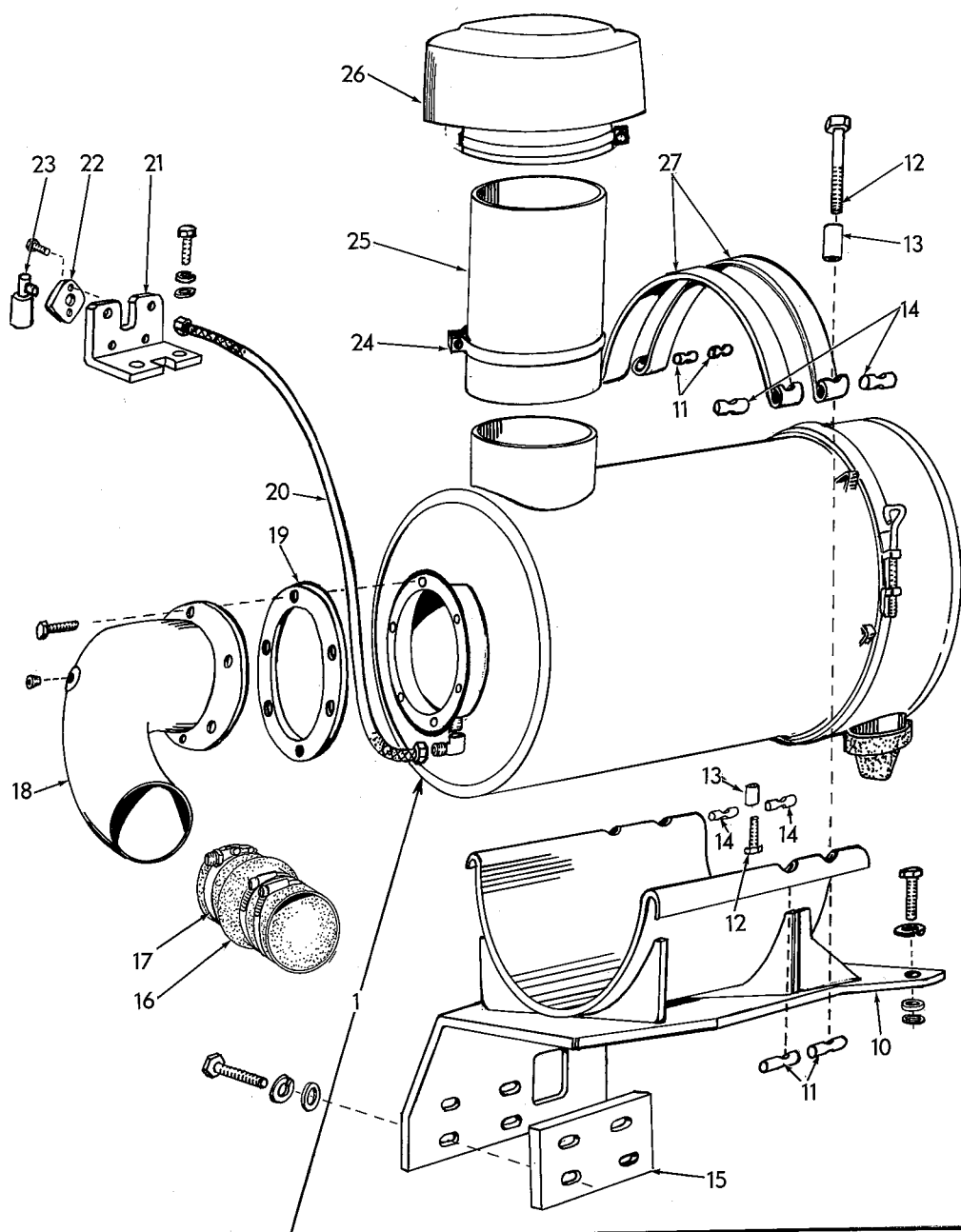
TURBOCHARGER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	4354698	1	TURBOCHARGER ASSEMBLY (See page 67 for parts)
5	4339518	1	TUBE ASSEMBLY, oil feed (Includes SLEEVE and NUT indented below)
	917807	1	SLEEVE, sealastic, 3/8" tube
	917810	1	NUT, sealastic, 3/8" tube
	920700	1	CONNECTOR, sealastic, 3/8" tube, 3/8" NPT male
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
6	4339533	1	GASKET, oil feed line
7	4339535	4	STUD, turbocharger mounting
	4385387	4	NUT, stainless, 3/8" NC
	913544	4	WASHER, plain, 3/8"
8	4336558	1	GASKET, turbocharger
9	4375953	1	CLAMP, oil tube
10	4255606	1	CLAMP, oil drain
	915809	1	CAPSCREW, 5/16" NC x 3/4"
	904205	1	LOCKWASHER, 5/16"
11	4339370	1	TUBE, oil drain
	916269	2	CAPSCREW, 3/8" NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
12	4254991	1	CLAMP, adjustable, 1-3/16" I. D.
13	4379723	1	ADAPTER, rubber (Oil tube to flange)
14	4254968	1	CLAMP, adapter, 1-7/16" I. D.
15	4339464	1	FLANGE, oil drain line
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
16	4336436	1	GASKET, oil drain flange
17	4339532	1	GASKET, oil drain tube
18	4354450	1	BRACKET, clamp mounting
19	4357346	1	RING, defuser
	916197	4	CAPSCREW
	911413	4	WASHER
	904207	4	LOCKWASHER
	920469	1	SCREW, set
20	4357337	1	DEFUSER, ring
21	4025925	1	ELBOW, exhaust
22	3047982	1	TUBE, exhaust
	3019330	1	CLAMP, exhaust tube
23	4357336	1	PLATE, defuser ring
	4386037	4	CAPSCREW, 3/8"
	904206	4	LOCKWASHER, 3/8"
24	4339606	1	ADAPTER, oil line
	919840	2	PLUG, pipe, hex-hd.



TURBOCHARGER ASSEMBLY 4354698

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 65 for listing of complete Assembly.			
1	4056303	1	HOUSING ASSEMBLY, compressor (Includes impeller shroud and locating pin)
2	4056302	1	COUPLING, compressor housing
3	4059050	1	HOUSING ASSEMBLY, center (Consists of items 4 thru 18)
4	4056291	1	LOCKNUT, impeller retaining
5	4056290	1	IMPELLER, compressor
6	4059030	1	BACKPLATE ASSEMBLY (Includes thrust washer and orifice pin)
7	4056300	1	RING, end plate sealing
8	4055195	1	RING, sealing, turbine wheel shaft, compressor end
9	4056289	1	SPACER, thrust
10	4059029	1	COLLAR, thrust
11	4056294	1	BEARING, thrust
12	4056295	2	BEARING, turbine wheel
13	4056296	3	RING, snap, bearing retaining
14	4059024	1	HOUSING ASSEMBLY, center (Includes dowels)
15	4181061	4	BOLT, backplate attaching
16	4056298	4	LOCKPLATE, back plate attaching bolt
17	4056293	1	SHROUD, heat, turbine end
18	4059049	1	WHEEL, turbine
19	4059051	1	HOUSING, turbine
20	4056306	3	PLATE, clamp, center housing
21	4056305	3	LOCKPLATE, clamp plate bolt
22	4056314	6	BOLT, clamp plate (3/8" NC x 5/8")



AIR CLEANER

T-73139

AIR CLEANER

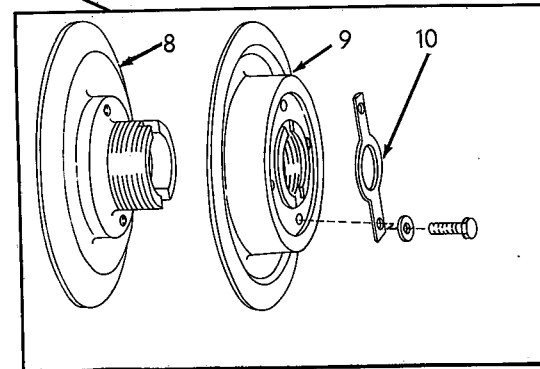
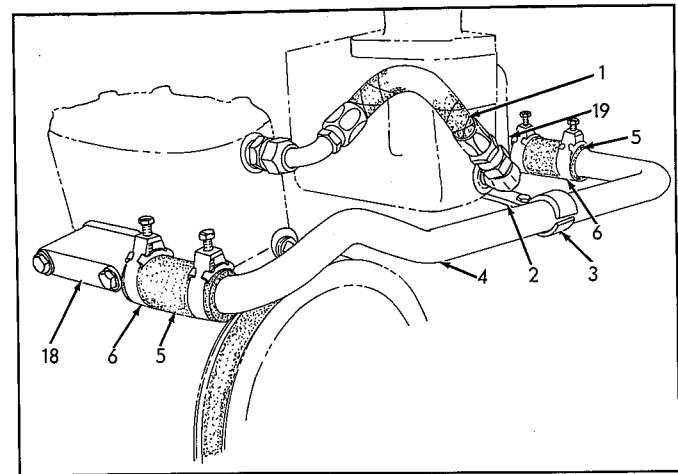
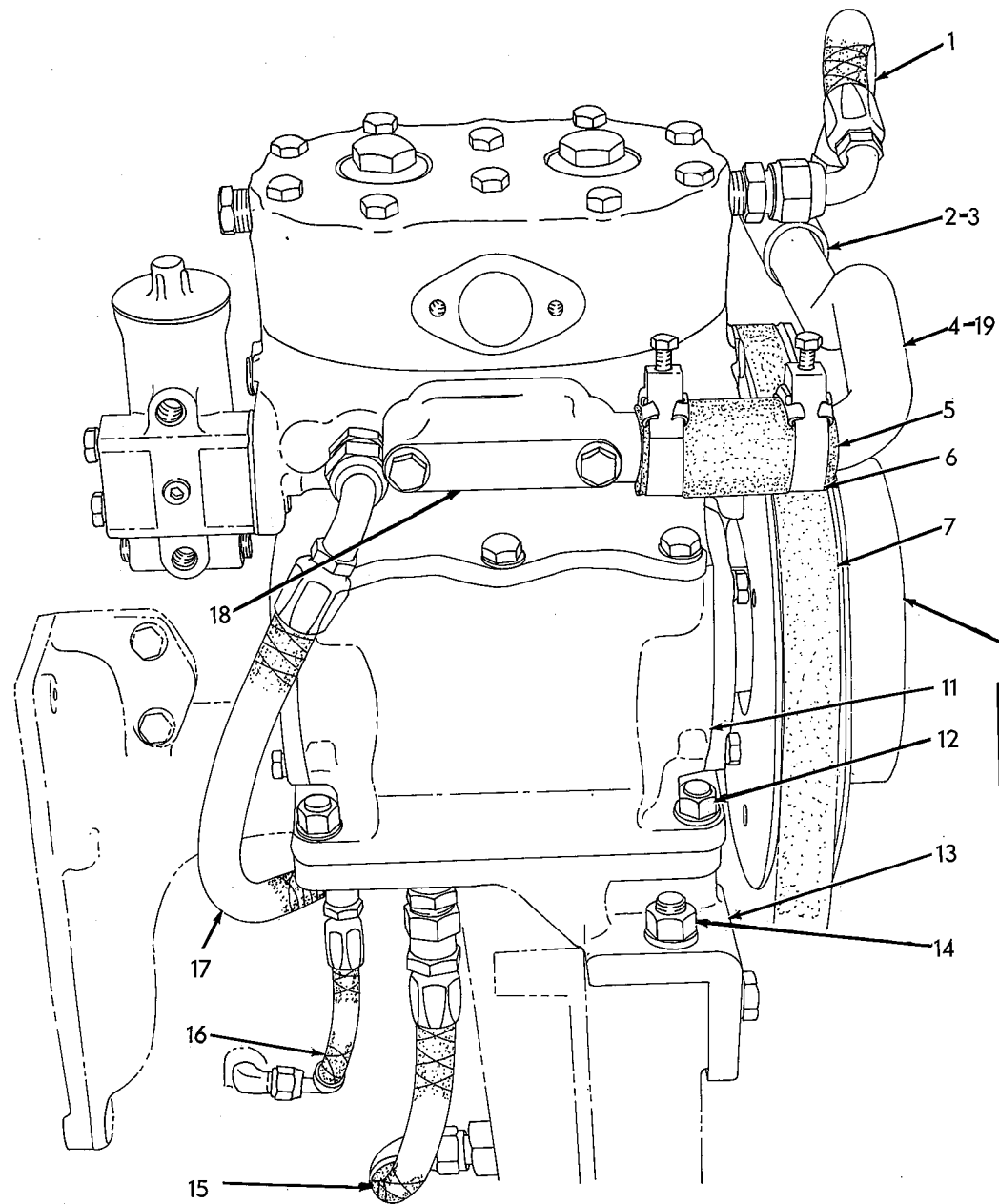
ITEM	PART NO.	QTY.	DESCRIPTION
1	658451	1	CLEANER ASSEMBLY, air (Includes items 2 thru 9)
2	-----	1	BODY, air cleaner (Not serviced, order 658451)
3	659533	1	ELEMENT, air cleaner
4	239517	1	NUT ASSEMBLY, element retaining (Includes gasket)
5	620721	1	O-RING, cup
6	661163	1	CUP ASSEMBLY
7	621530	1	CLAMP ASSEMBLY, cup retainer
8	661163	1	CUP ASSEMBLY
9	197810	1	VALVE, dust
10	3050160	1	BRACKET, mounting, air cleaner
	916867	4	CAPSCREW, 7/16" NC x 3"
	904207	4	LOCKWASHER, 7/16"
	912298	4	WASHER, plain, SAE std., 7/16"
	916316	1	CAPSCREW, 1/2" NF x 2-1/2"
	904208	1	LOCKWASHER, 1/2"
	3026837	2	WASHER, plain (Use as req'd)
	910244	1	WASHER, plain, SAE std., 1/2"
11	056100	4	PIN, fastening
12	040570	4	CAPSCREW (3/8" NC x 4-1/4")
13	053667	4	SPACER
14	056099	4	PIN, fastening
15	3048705	1	SPACER, mounting bracket
16	3047933	1	HOSE, tube to turbocharger
	658781	2	CLAMP, adjustable
17	4255454	1	CLAMP
18	3048639	1	ELBOW, air cleaner
	914398	6	CAPSCREWS, 3/8" NF x 1"
	913528	6	NUT, safety, 3/8" NF
	901651	1	PLUG, pipe, ctsk., 1/8"
19	658759	1	GASKET, mounting, elbow
20	3045834	1	HOSE ASSEMBLY
	920215	1	NIPPLE, pipe, 1/8"
	910161	1	ELBOW, male, 1/4"
21	3047450	1	BRACKET, mounting, indicator
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF

(Continued)

AIR CLEANER (Continued)

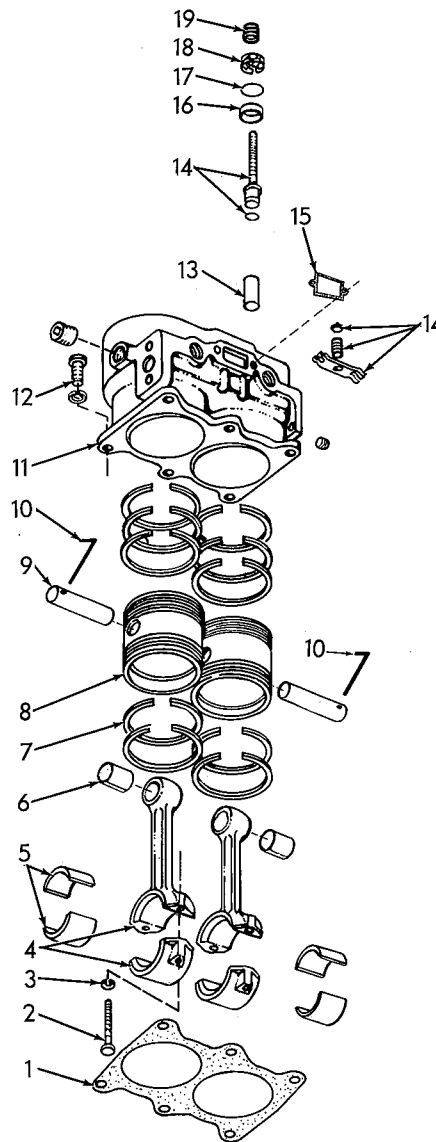
ITEM	PART NO.	QTY.	DESCRIPTION
22	3045531	1	FLANGE, mounting, air restriction indicator
	916400	2	CAPSCREW, 1/4" NF x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4" NF
23	240871	1	INDICATOR, air restriction
24	629755	1	CLAMP, air intake tube
	916389	1	CAPSCREW, 3/8" NF x 3-1/4"
	044973	2	WASHER, bearing, 13/32"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8" NF
25	645029	1	TUBE, intake, air cleaner
26	645028	1	CAP, air intake tube (Includes nut and bolt)
27	658774	2	BAND, mounting, air cleaner

MEMO



COMPRESSOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338313	1	HOSE ASSEMBLY, compressor to water outlet manifold (See page 6 for parts)
	919063	1	CONNECTOR, male, 1/2" tube, 3/8" tapered thread
	919206	1	ELBOW, male, 1/2" tube, 3/8" tapered thread
2	4336174	1	BRACKET, air inlet tube
	910195	1	NUT, 1/2" NF
3	4347724	1	CLAMP, air inlet tube (2 halves)
	915343	1	CAPSCREW, 1/4" NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
	910880	1	NUT, 1/4" NC
4	4338284	1	TUBE, air inlet
5	4356232	2	HOSE, 1" I. D. x 2-3/4" long
6	4253452	4	CLAMP, 1-7/16"
7	4339458	1	BELT, drive, compressor
8	4347994	1	PULLEY, stationary half
9	4347681	1	PULLEY, adjustable half
	900807	1	PIN, cotter, 1/8" x 1/4"
10	4346724	1	PLATE, locking, pulley
	910984	2	CAPSCREW, 3/8" NC x 2"
	904206	2	LOCKWASHER, 3/8"
11	4339481	1	COMPRESSOR ASSEMBLY, air (See pages 74 thru 78 for parts)
12	4347855	4	STUD, compressor mounting
	910986	4	NUT, 7/16" NF
	904207	4	LOCKWASHER, 7/16"
13	4347703	1	BRACKET, air compressor
	919230	2	CAPSCREW, 1/2" NC x 1-3/8"
	916280	2	CAPSCREW, 1/2" NC x 2"
14	4347722	2	STUD, bracket mounting
	917330	2	WASHER, plain, SAE std., 1/2"
	904208	4	LOCKWASHER, 1/2"
	910195	2	NUT, 1/2" NC
15	4335731	1	HOSE ASSEMBLY, oil drain (bracket to gear housing) (See page 6 for parts)
	921251	1	CONNECTOR, female, 1/2" tube, 1/2" tapered thread
	901502	1	NIPPLE, pipe, 1/2" x 2"
	919063	1	CONNECTOR, male, 1/2" tube, 3/8" tapered thread
16	4338314	1	HOSE ASSEMBLY, oil (crankcase to bracket) (See page 6 for parts)
	919767	1	ELBOW, male, 5/16" tube, 1/8" tapered thread
	919766	1	CONNECTOR, male, 5/16" tube, 1/8" tapered thread
17	4354909	1	HOSE ASSEMBLY, water, volute to compressor (See page 6 for parts)
	919206	2	ELBOW, male, 1/2" tube, 3/8" tapered thread
18	4338174	1	ADAPTER, inlet, compressor
	903774	2	CAPSCREW, 5/16" NC x 2"
	917330	2	WASHER, plain, 5/16" (copper)
19	4347921	1	ADAPTER, street, air inlet manifold



COMPRESSOR CYLINDER BLOCK

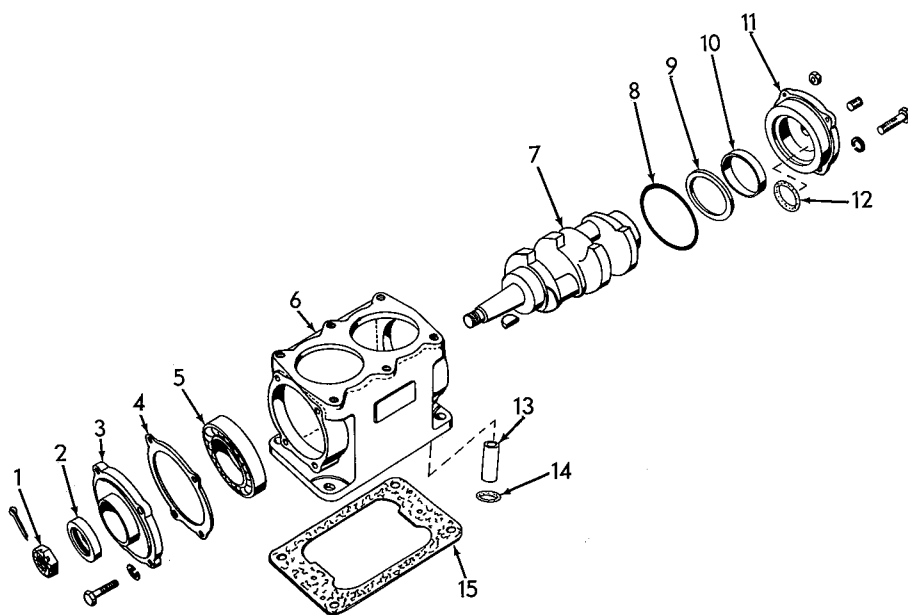
T-37751

ITEM	PART NO.	QTY.	DESCRIPTION
1	4040321	1	GASKET, cylinder block
2	4053356	4	BOLT, connecting rod
3	4053298	4	LOCKWASHER, connecting rod bolt
4	4056425	2	ROD ASSEMBLY, connecting (Includes cap and items 2, 3 and 6)
5	4053595	4	BEARING, connecting rod
6	4056353	2	BUSHING, wrist pin
7	4052940	1	RING SET, piston (Includes ten compression rings)
8	4052939	2	PISTON ASSEMBLY (Includes item 9)

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COMPRESSOR CYLINDER BLOCK (Continued)

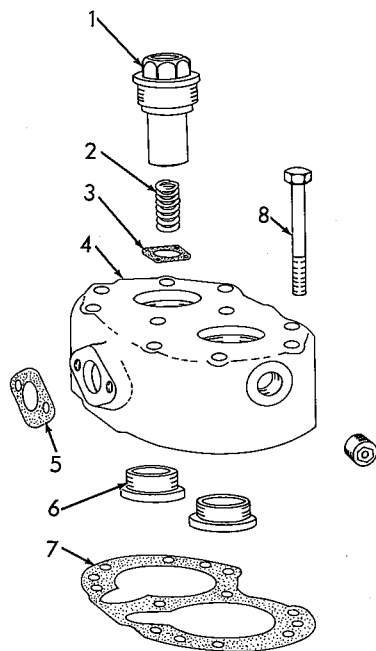
ITEM	PART NO.	QTY.	DESCRIPTION
9	4040339	2	PIN, wrist (std.)
	4054437	-	PIN, wrist (.005" oversize. Use as req'd)
10	4040340	2	WIRE, locking, wrist pin
11	4050453	1	BLOCK ASSEMBLY, cylinder (Includes items 12 and 16)
	918887	3	PLUG, pipe, ctsk., 3/8" NPT
	901652	1	PLUG, pipe, 1/4" NPT
	920333	1	PLUG, pipe, 3/8" NPT
12	4050462	6	CAPSCREW, cylinder block to crankcase
	904206	6	LOCKWASHER, 3/8"
13	4050454	2	BUSHING, unloader bore (Std.)
	4054439	-	BUSHING, unloader bore (.006" oversize. Use as req'd)
14	4058899	1	VALVE KIT, unloader (Includes one spring saddle, one unloader spring, one spring seat, two unloader plungers, two unloader piston assembly, two guides (Not serviced separately) and 1 GASKET 4040341)
15	4040341	1	GASKET, unloader valve
16	4040330	2	SEAT, inlet valve
17	4040335	2	VALVE, inlet
18	4052124	2	GUIDE, inlet valve
19	4040336	2	SPRING, inlet valve



COMPRESSOR CRANKCASE

T-37749

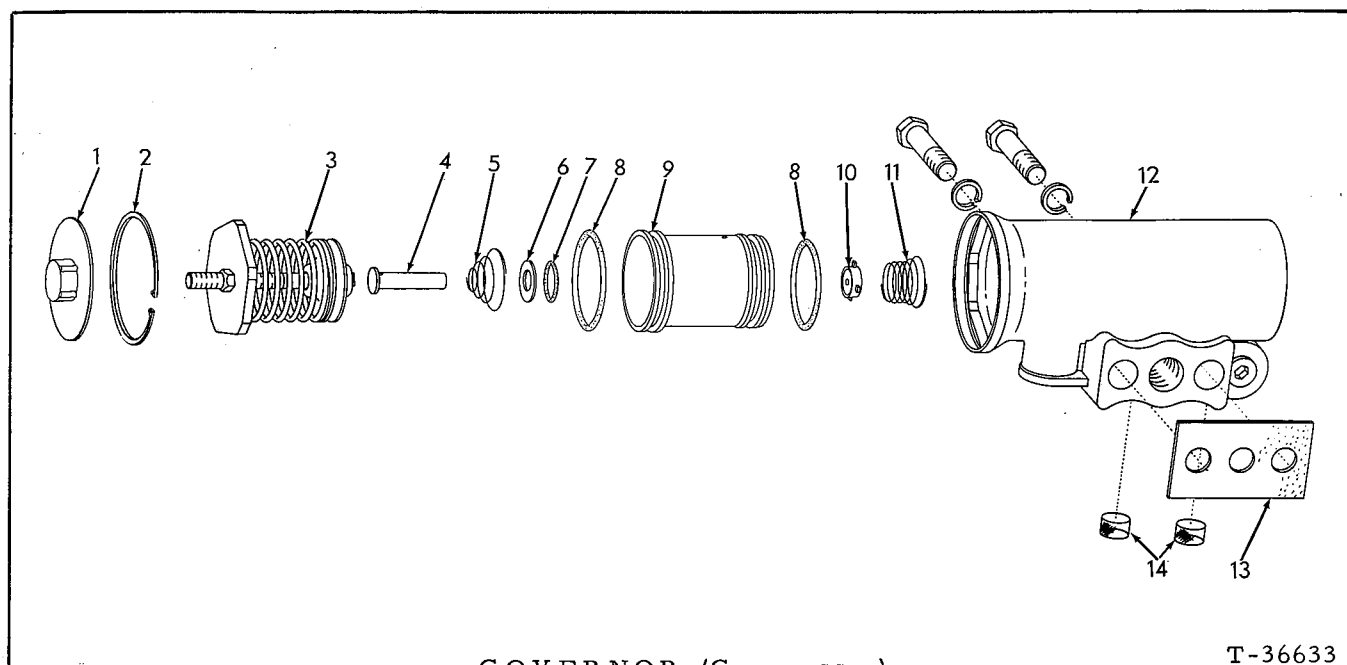
ITEM	PART NO.	QTY.	DESCRIPTION
1	4040351	1	NUT, slotted, hex., crankshaft
	904004	1	PIN, cotter, 1/8" x 2-1/2"
	910545	1	KEY, hi-pro., 1/4" x 1"
2	4040306	1	SEAL, oil, front
3	4040300	1	COVER, front end
	4050464	4	CAPSCREW, front end
	904205	4	LOCKWASHER, 5/16"
4	4040323	1	GASKET, end cover
5	4254151	1	BEARING, ball
6	4051038	1	CRANKCASE ASSEMBLY (Includes item 13)
7	4055526	1	CRANKSHAFT (For initial installation also order 1 NUT 4040351)
8	4055527	1	RING, end cover
9	4055528	1	WASHER, thrust
10	4055558	1	BEARING, crankshaft
11	4055529	1	COVER, rear (Includes item 10)
	4055557	4	CAPSCREW, cover
	904205	4	LOCKWASHER, 5/16"
	4040550	1	PLUG, pipe, socket hd.
	919134	1	PLUG, pipe, hex-hd., 1/8" NPT
12	4055556	1	O-RING, sealing
13	4047564	1	TUBE, oil
14	4040539	1	GASKET, oil seal
15	4040305	1	GASKET, base



COMPRESSOR CYLINDER HEAD

T-37750

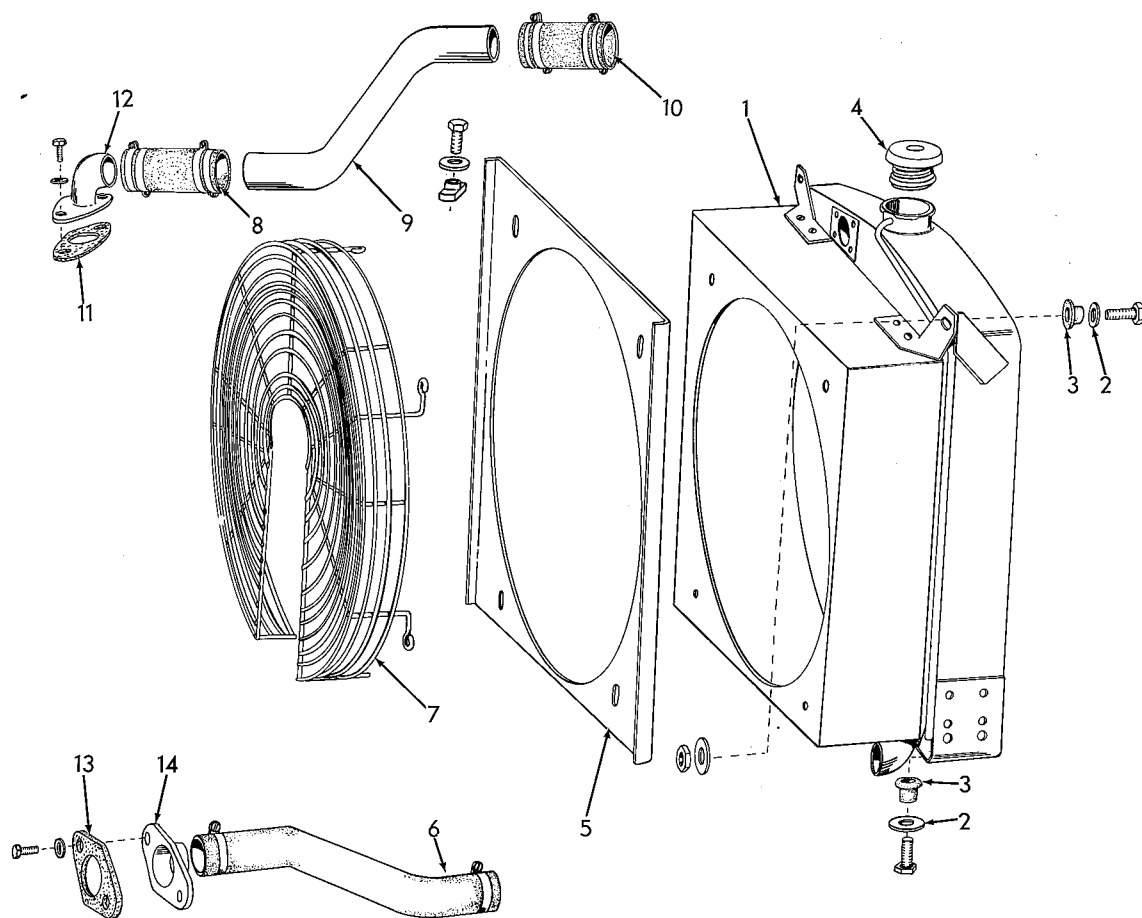
ITEM	PART NO.	QTY.	DESCRIPTION
1	4040343	2	CAPNUT, discharge valve
2	4040303	2	SPRING, discharge valve
3	4040315	2	VALVE, discharge
4	4040342	1	HEAD ASSEMBLY, cylinder (Includes 2 SEAT 4054434, 2 INSERT 4054435 and item 6)
	920333	2	PLUG, pipe, 3/8" NPT
	4054434	2	SEAT, inlet valve spring (Not illustrated)
	4054435	2	INSERT, inlet valve spring (Not illustrated)
5	4040302	1	GASKET, fitting
6	4050467	2	SEAT, discharge valve
7	4050466	1	GASKET, cylinder head
8	4050468	10	CAPSCREW (Special)



GOVERNOR (Compressor)

T-36633

ITEM	PART NO.	QTY.	DESCRIPTION
-	4056131	1	GOVERNOR ASSEMBLY, air compressor (Includes items 1 thru 12 and 14)
	4055341	2	CAPSCREW (special)
	904205	2	LOCKWASHER, 5/16"
1	4055277	1	COVER, governor
2	4056265	1	RING, retaining
3	4055276	1	SCREW AND SPRING ASSEMBLY, adjusting (Includes screws, nut, spring, guide and seats) (Serviced only as a unit)
4	4055278	1	STEM, exhaust
5	4055279	1	SPRING, exhaust stem
6	4055275	1	WASHER, piston
7	4054151	1	GROMMET, piston (inner)
8	4055283	2	GROMMET, piston (outer)
9	4055274	1	PISTON ASSEMBLY (Includes items 6 and 7)
10	4055273	1	VALVE
11	4055272	1	SPRING, valve
12	4055281	1	BODY ASSEMBLY, governor (Includes item 14)
	917673	3	PLUG, ctsk. -hd., 1/8" NPT
13	4040345	1	GASKET, governor mounting
14	4055282	2	FILTER, body



RADIATOR

T-73108

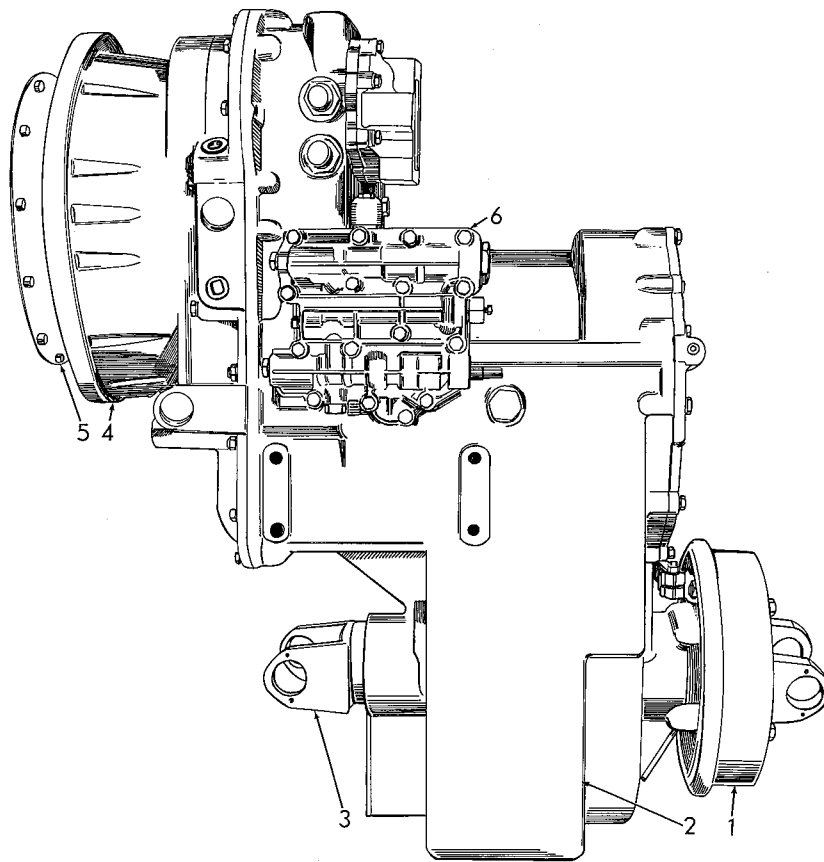
ITEM	PART NO.	QTY.	DESCRIPTION
1	3048670	1	RADIATOR, engine cooling (Includes item 5)
	916420	6	CAPSCREW, 1/2" NF x 2-1/4"
2	3032335	6	WASHER, plain
	900818	6	WASHER, plain, U.S. std., 1/2"
3	3034129	6	MOUNT, rubber
	914487	6	NUT, 1/2" NF
	912415	1	COCK, drain, 1/4" NPT
4	3007198	1	CAP, radiator
5	3048938	1	PLATE
	916271	4	CAPSCREW, 3/8" NC x 1"
	911993	4	WASHER, plain, 7/16" I. D.
6	3048891	1	HOSE, radiator outlet
	921914	2	CLAMP, adjustable (2-5/16" to 3-1/4")
7	3048916	1	GUARD, fan
	916271	7	CAPSCREW, 3/8" NC x 1"
	911993	7	WASHER, plain, 7/16" I. D.
	3037444	7	NUT, 3/8" NC (flanged)

(Continued)

RADIATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	3026172	1	HOSE, 2-1/4" I. D. x 3-1/2"
	921914	4	CLAMP, adjustable (2-5/16" to 3-1/4")
9	3048945	1	TUBE, water inlet
10	3031151	1	HOSE, 2-1/4" I. D. x 6"
	921914	4	CLAMP, adjustable (2-5/16" to 3-1/4")
11	4300145	1	GASKET, water outlet
12	4335451	1	ELBOW, water outlet
	919128	1	CAPSCREW, 7/16" NC x 1-1/8"
	916867	1	CAPSCREW, 7/16" NC x 3"
	904207	2	LOCKWASHER, 7/16"
13	4346456	1	GASKET, water inlet
14	4347003	1	PIPE, flange, water inlet
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"

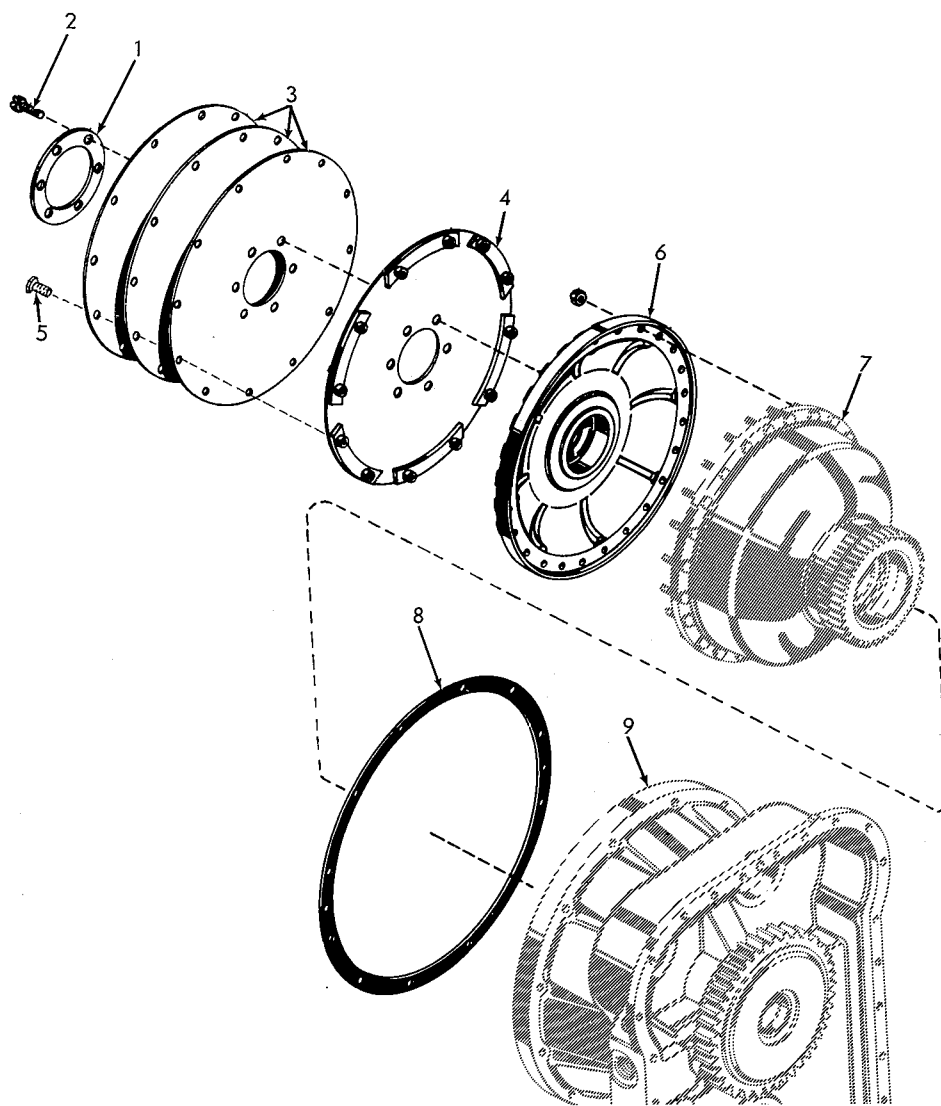
MEMO



TRANSMISSION

T-71541

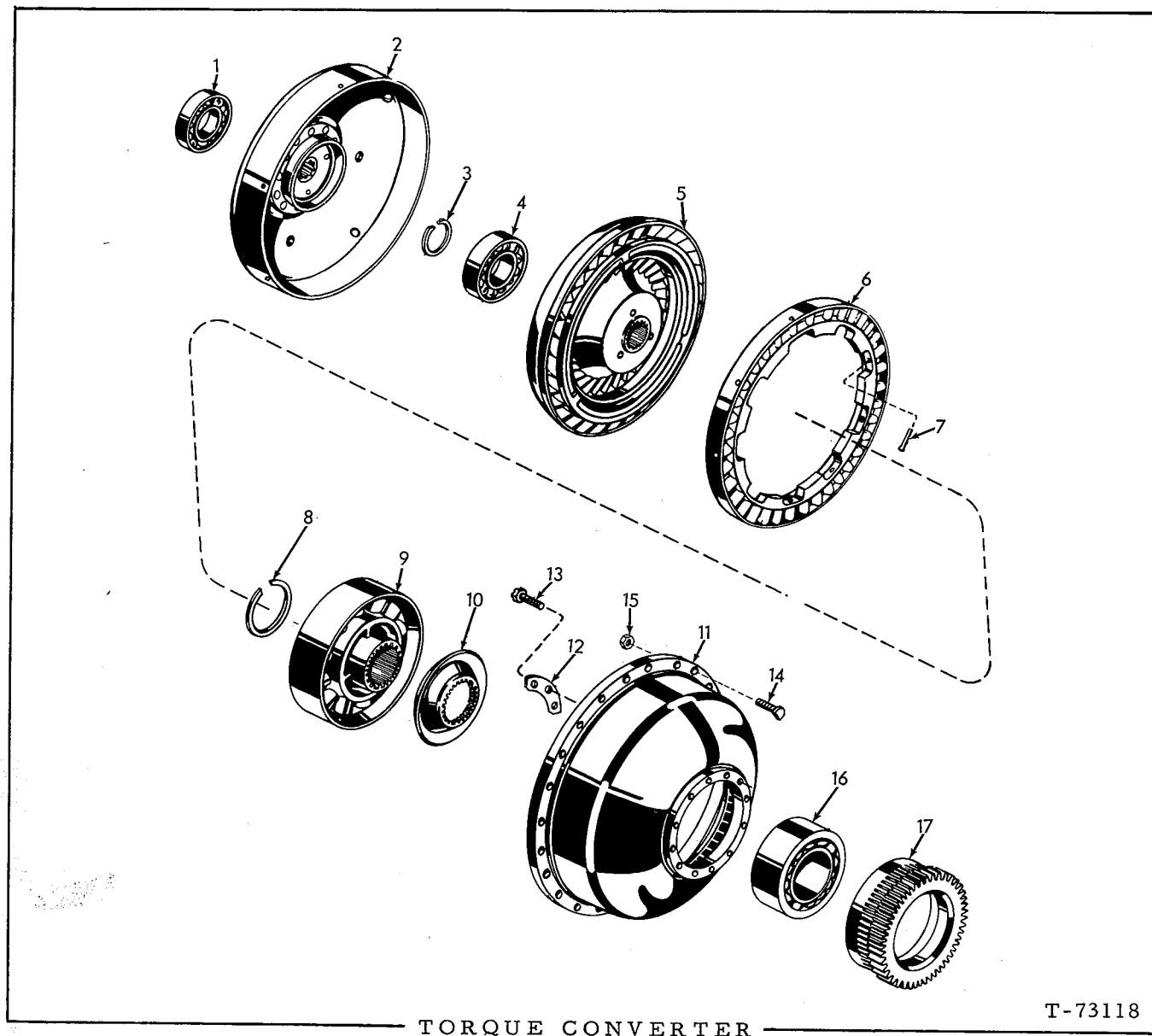
ITEM	PART NO.	QTY.	DESCRIPTION	
-	3046500	1	TRANSMISSION ASSEMBLY, complete (2-speeds forward, 1-reverse)	See pages 83 thru 105 for parts.
	3046501	1	* TRANSMISSION ASSEMBLY, complete (2-speeds forward, 1-reverse)	
	3046502	1	* TRANSMISSION ASSEMBLY, complete (2-speeds forward, 2-speeds reverse)	
	919226	12	CAPSCREW, 3/8" NC x 5/8"	
	904206	12	LOCKWASHER, 3/8"	
			* Transmission with rear axle disconnect	
1	-----	-	See PARKING BRAKE ASSEMBLY	
2	-----	-	See TRANSMISSION HOUSING AND COVERS	
3	-----	-	See REAR OUTPUT GROUP	
4	-----	-	See TORQUE CONVERTER HOUSING	
5	-----	-	See FLEX DISK AND CONVERTER DRIVE	
6	-----	-	See TRANSMISSION CONTROL VALVE	



T-73117

FLEX DISK AND CONVERTER DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047028	1	PLATE, flex disk
2	3041456	6	CAPSCREW, 1/2" NC x 1"
3	3047029	3	DISK, flex
4	3047030	1	DISK AND WASHER ASSEMBLY, flex
5	3041448	8	BOLT, place (flex disk to flywheel)
6	3047031	1	COVER, torque converter
7	-----	1	See TORQUE CONVERTER
8	3048425	1	GASKET, converter housing
9	-----	-	See TORQUE CONVERTER HOUSING



TORQUE CONVERTER

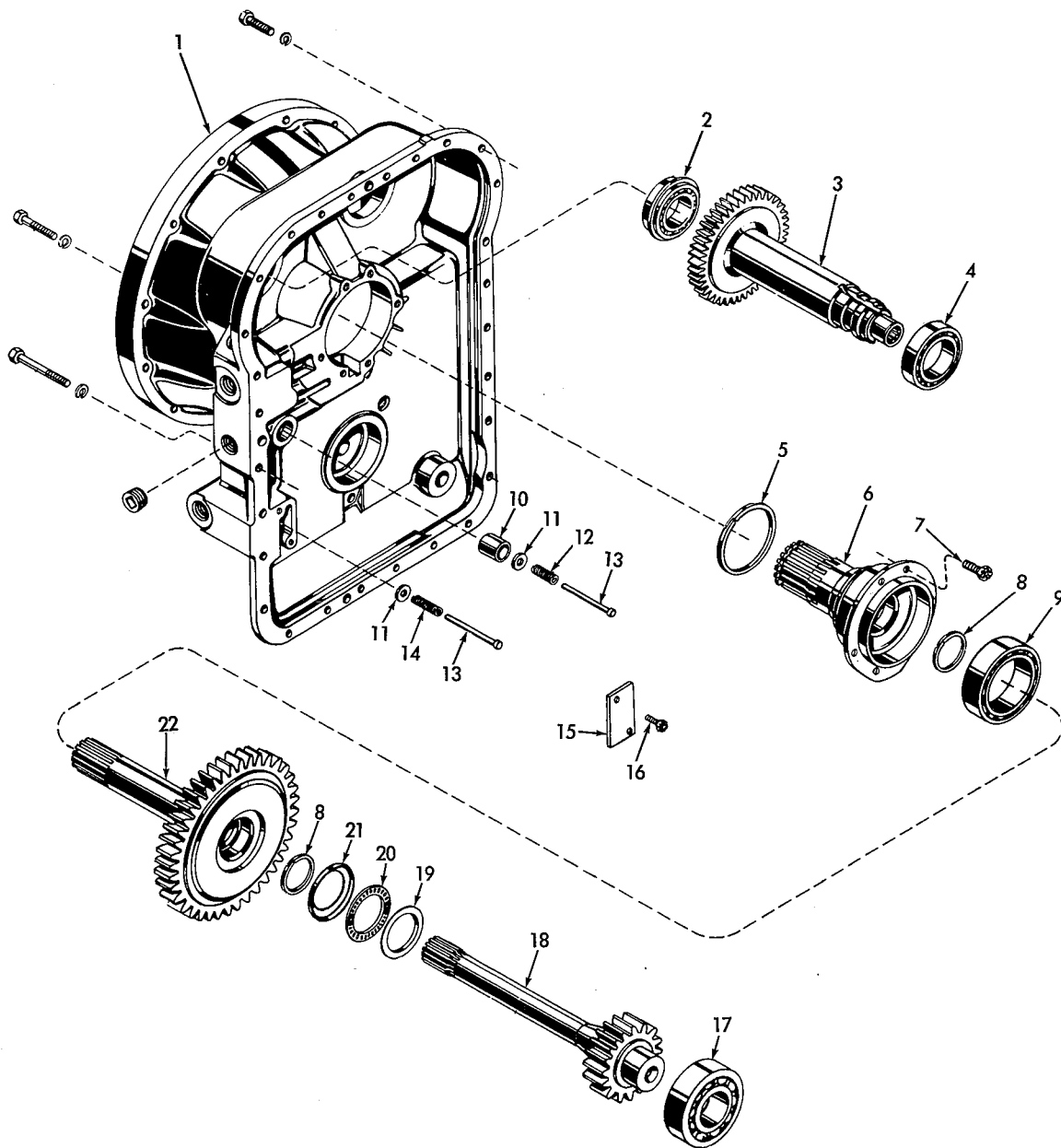
T-73118

ITEM	PART NO.	QTY.	DESCRIPTION
1	3044464	1	BEARING, turbine assembly (single row ball)
-	3047033	1	TURBINE ASSEMBLY, first (not shown) (Includes items 2, 6 and 7)
2	-----	1	HOUSING, turbine (Not serviced separately-order TURBINE ASSEMBLY, first)
3	3047036	1	RING, snap
4	3047035	1	BEARING, turbine (single row ball)
5	3047034	1	TURBINE, torque converter, second
6	-----	1	TURBINE, torque converter, first (Not serviced separately-order TURBINE ASSEMBLY, first)
7	3044432	9	PIN, turbine assembly

(Continued)

TORQUE CONVERTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	0194541	1	RING, snap
9	3047038	1	STATOR, torque converter
10	3047039	1	SPACER, stator
11	3047042	1	PUMP ASSEMBLY, torque converter (Includes item 14)
12	3047041	4	STRIP, locking
13	3047040	12	CAPSCREW, 5/16" NF x 1-1/8" (self-locking)
14	3033044	24	CAPSCREW, 5/16" NF x 1-5/16"
15	3021041	24	NUT, 5/16" NF (locking)
16	3047043	1	BEARING, converter pump (double row ball)
17	3047044	1	GEAR, input, accessory drive



TORQUE CONVERTER HOUSING

T-73119

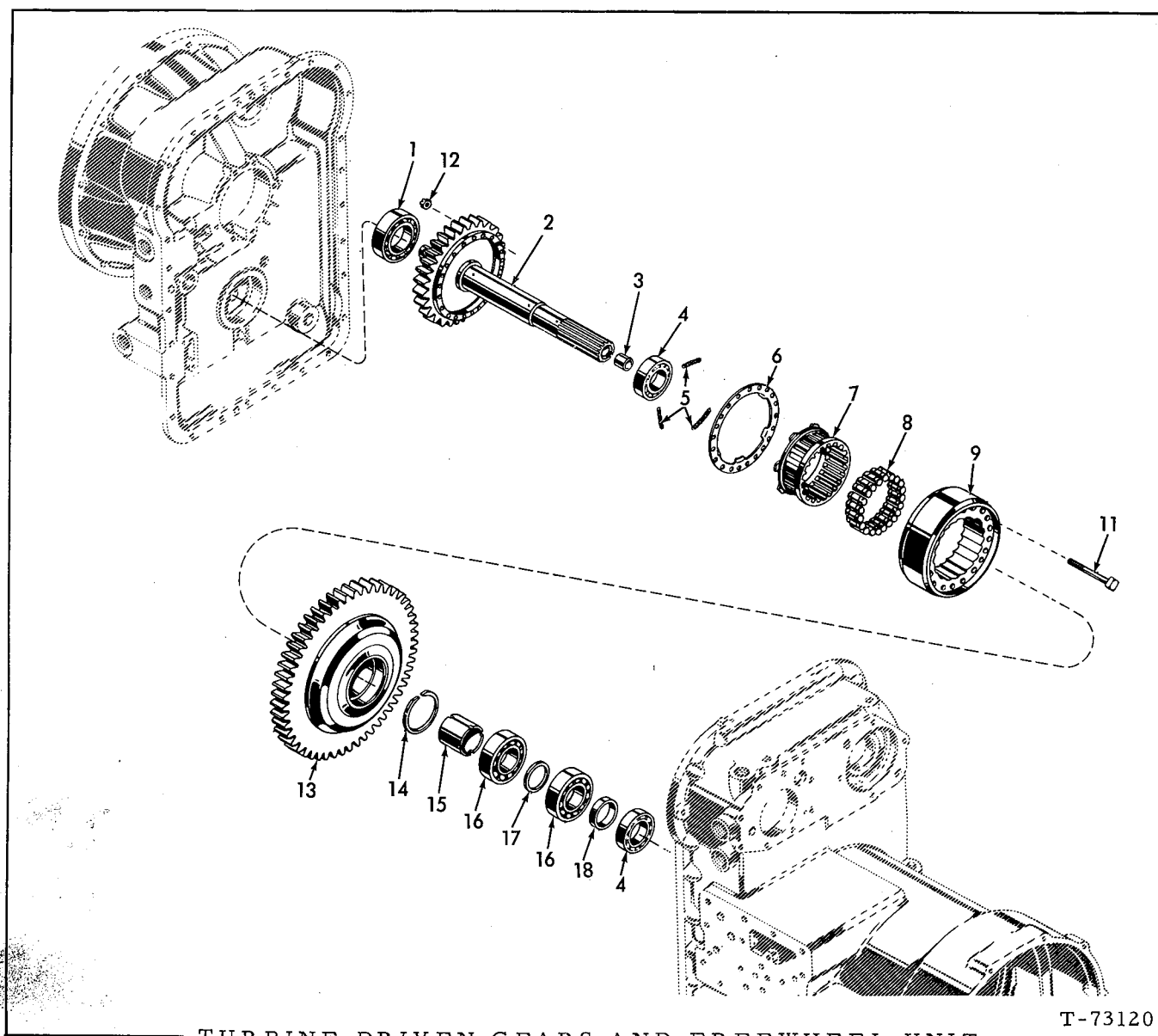
ITEM	PART NO.	QTY.	DESCRIPTION
1	3047047	1	HOUSING ASSEMBLY, converter (Includes 1 PLUG 3047050 and items 10 through 14)
	916867	3	CAPSCREW, 7/16" NC x 3"
	912188	4	CAPSCREW, 7/16" NC x 1-3/4"
	916197	21	CAPSCREW, 7/16" NC x 1-1/4"
	904207	28	LOCKWASHER, 7/16"
	3047050	1	PLUG, ctsk-hd.
2	3047666	1	BEARING (single row-ball)
3	3047667	1	GEAR, driven, accessory
4	3044419	1	BEARING (single row ball)

(Continued)

TORQUE CONVERTER HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	194585	1	RING, seal
6	3048416	1	SLEEVE, converter, ground
7	3021223	6	CAPSCREW, 3/8" NC x 7/8"
8	3047668	2	□ RING, seal
9	3045284	1	BEARING (single row ball)
10	3047048	1	TUBE, regulator valve
11	3044430	2	VALVE, converter regulator and lube overage
12	3044431	1	SPRING, converter regulator
13	3044449	2	PIN, valve guide
14	3047049	1	SPRING, lube overage
15	3047664	1	COVER, lube overage valve
16	3047665	2	CAPSCREW, 3/8" NC x 3/4"
17	3012089	1	BEARING (single row ball)
18	3047674	1	GEAR, turbine drive, first
19	3047673	1	RACE, thrust
20	3047672	1	BEARING, thrust, roller
21	3047671	1	RACE, thrust
22	3047669	1	GEAR, turbine drive, second

□ (Also see PACKAGED PARTS)



TURBINE DRIVEN GEARS AND FREEWHEEL UNIT

T-73120

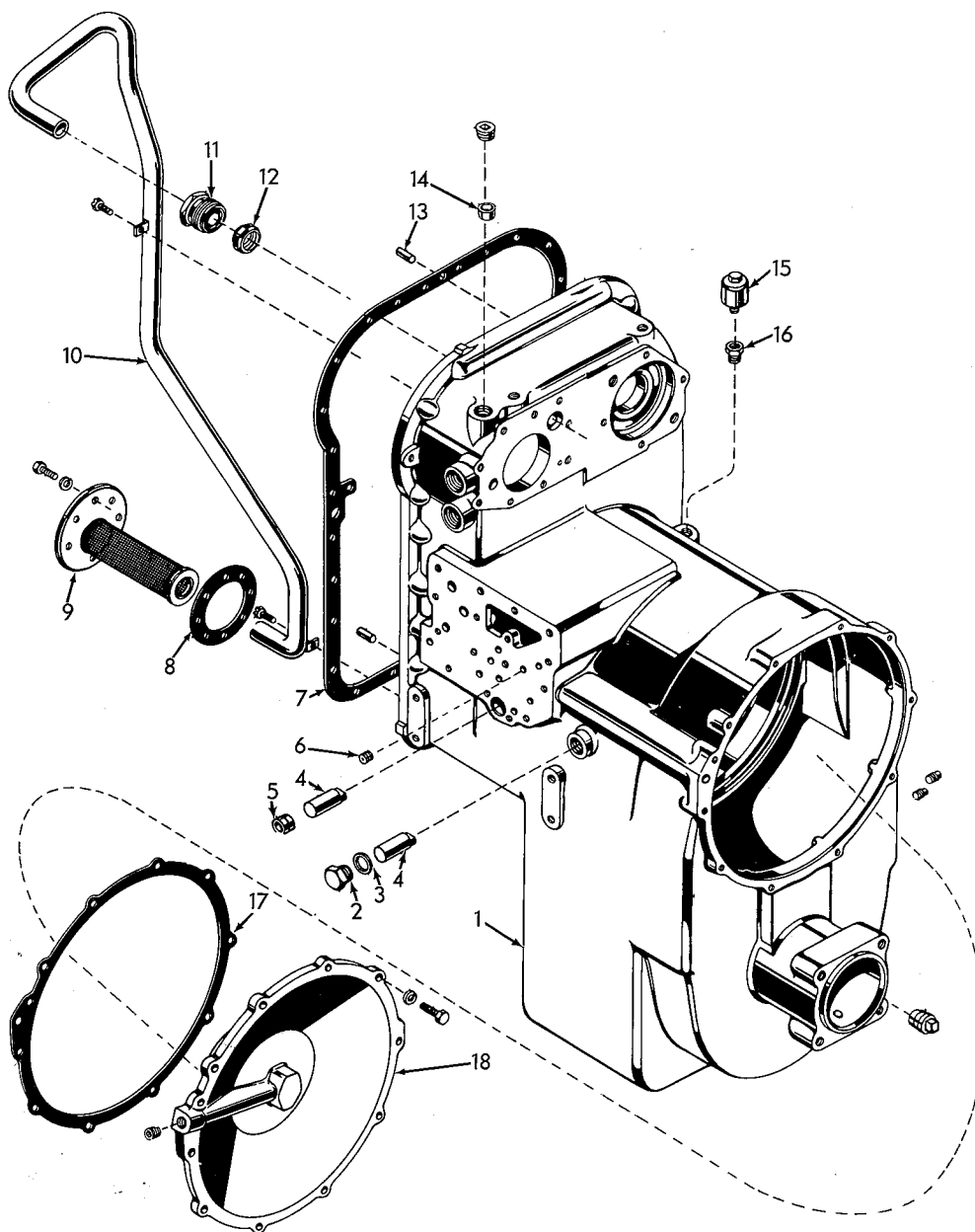
USAGE: * Transmission with 2-speeds forward, 1-reverse
 ** Transmission with 2-speeds forward, 2-reverse

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	3044373	1	1	BEARING (single row ball)
2	3047677	1	-	GEAR, driven, second turbine
	3047775	-	1	GEAR, driven, second turbine (Includes item 3)
3	3047802	-	1	BUSHING
4	3047678	2	2	BEARING (single row ball)
5	3047679	3	3	SPRING
6	3047680	1	1	PLATE, spring
7	3047681	1	1	CAGE, freewheel roller

(Continued)

TURBINE DRIVEN GEARS AND FREEWHEEL UNIT (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
8	3044444	21 21	ROLLER
9	3047682	1 1	CAM, freewheel
11	3047684	21 21	CAPSCREW, sq-hd., 3/8" NF x 3-1/2"
12	3044438	21 21	NUT, hx, self locking 3/8" NF
13	3047685	1 1	GEAR, first turbine, driven
14	3047686	1 1	RING, snap
15	3047687	1 1	SPACER, bearing
16	3047688	2 2	BEARING (single row ball)
17	3047689	1 1	SPACER, bearing
18	3047690	1 1	SPACER, bearing



TRANSMISSION HOUSING AND COVER

T-73121

USAGE: * Transmission with 2-speeds forward, 1-reverse
 ** Transmission with 2-speeds forward, 2-reverse

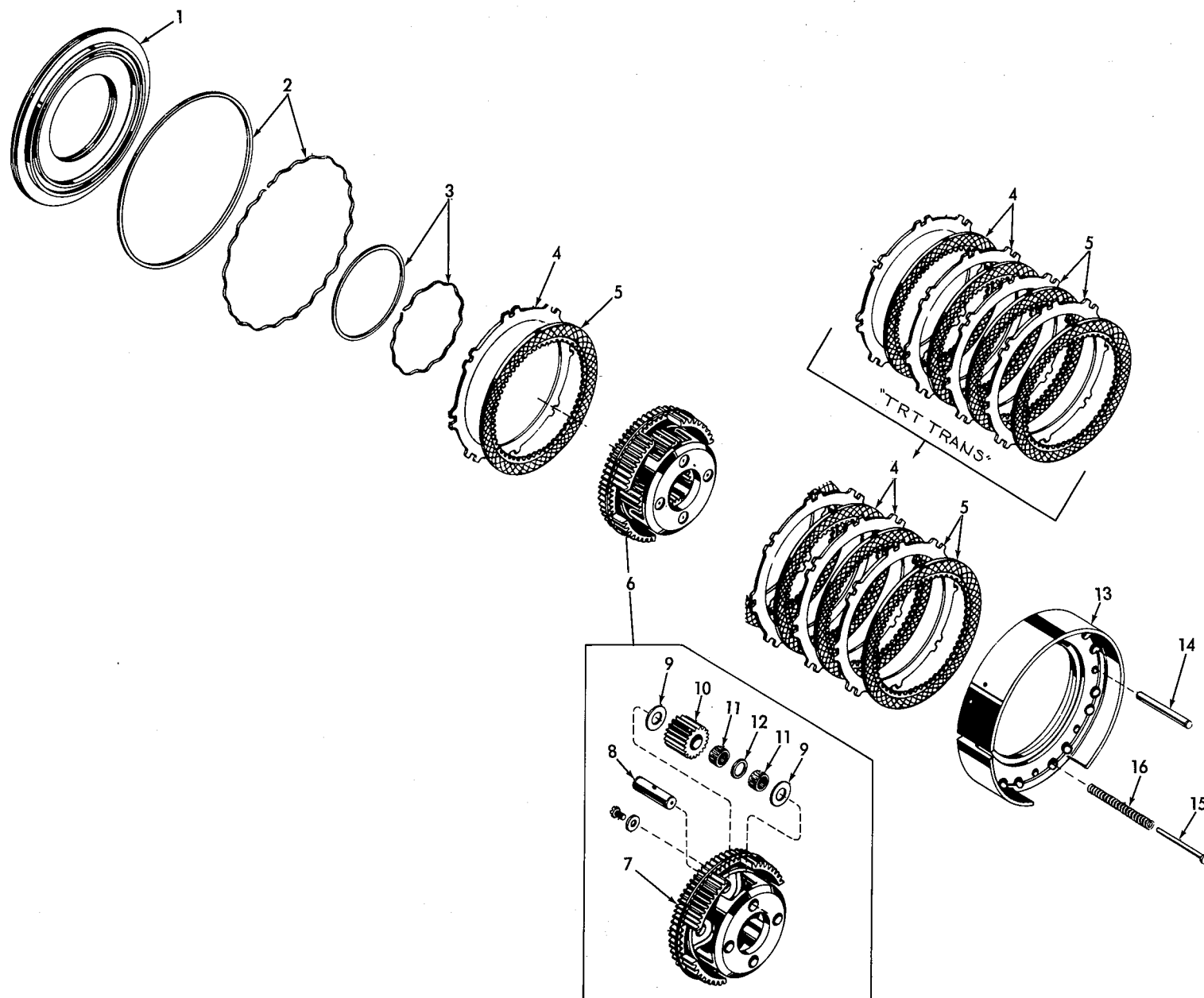
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	3047693	1	-	HOUSING, transmission (Transmission with 2-speeds forward, 1 reverse) (Includes items 13, 14 and 1 PLUG 904224)
	3047804	-	1	HOUSING, transmission (Transmission with 2-speeds forward, 2 reverse) (Includes items 6, 13, 14 and 1 PLUG 904224)
	904224	1	1	PLUG, pipe, ctsk., 3/4" NPT
	921500	1	1	PLUG, pipe, 1-1/4" NPT (oil filler)
	920130	2	2	PLUG, pipe, sq. hd., 1/4" NPT

(Continued)

TRANSMISSION HOUSING AND COVER (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
2	3044473	1	1	PLUG
3	3044474	1	1	□ GASKET
4	3047697	1	2	PIN, anchor
5	3047696	1	1	SPACER
6	3047805	-	1	PLUG, orifice
7	3047698	1	1	□ GASKET, transmission housing
8	3021056	1	1	□ GASKET, strainer
9	3044396	1	1	STRAINER ASSEMBLY
	916269	6	6	CAPSCREW, 3/8" NC x 7/8"
	904206	6	6	LOCKWASHER, 3/8"
10	3047692	1	1	TUBE, suction
	3044388	2	2	CAPSCREW, 3/8" NC x 5/8"
11	3044399	1	1	NUT, male, suction tube
12	3044400	1	1	□ RING, seal, nut
13	3044436	2	2	PIN, dowel
14	3044391	1	1	PLUG, remote filter
15	0194551	1	1	BREATHER, transmission
16	3047695	1	1	PLUG, reducer
17	3047741	1	1	□ GASKET, rear cover
18	3047743	1	1	COVER, rear
	916197	11	11	CAPSCREW, 7/16" NC x 1-1/4"
	904207	11	11	LOCKWASHER, 7/16"
	918850	1	1	PLUG, pipe, ctsk., 1/4" NPT

□Also see PACKAGED PARTS



REVERSE CLUTCH AND PLANETARY

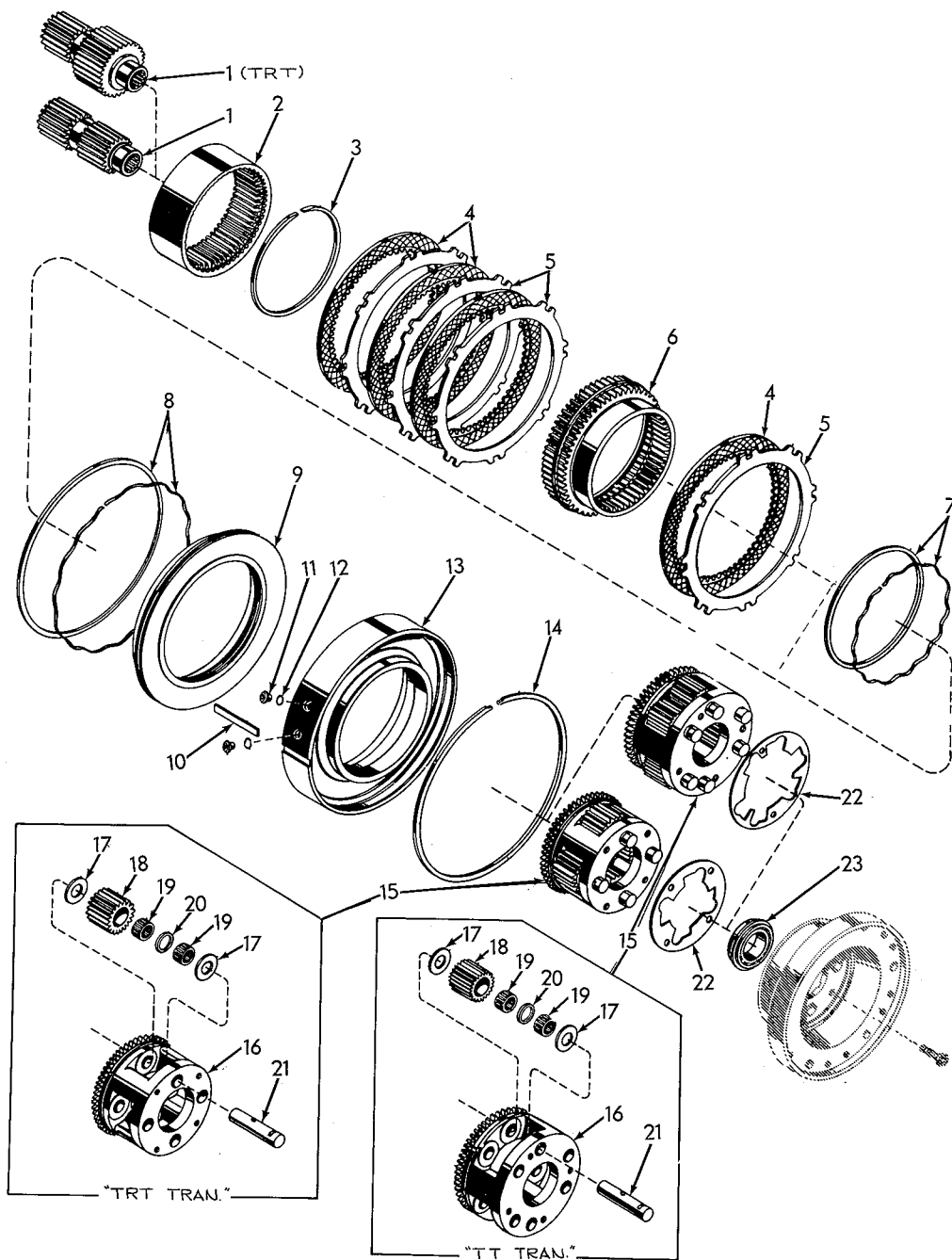
T-73122

REVERSE CLUTCH AND PLANETARY

USAGE: * Transmission with 2-speeds forward, 1-reverse
 ** Transmission with 2-speeds forward, 2-reverse

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	3047700	1	1	PISTON, reverse clutch
2	3047701	1	1	□ KIT, seal and expander (external)
3	3042138	1	1	□ KIT, seal and expander (internal)
4	3047702	4	5	PLATE, external splined
5	3047703	4	5	PLATE, internal splined
6	3047704	1	1	CARRIER ASSEMBLY, planetary, reverse clutch (Includes items 7 thru 12)
7	3047705	1	1	CARRIER, planetary, reverse clutch
8	3047708	4	4	SPINDLE
	3047707	4	4	CAPSCREW, 3/8" NF x 1/2"
	3047706	4	4	WASHER, 3/8"
9	3047709	8	8	WASHER, thrust
10	3047710	1	1	PINION SET, planetary (Consists of 4 pinions)
11	3047711	8	8	BEARING, roller
12	3047712	4	4	SPACER
13	3047713	1	-	ANCHOR ASSEMBLY, clutch, reverse and forward (Includes item 14)
	3047808	-	1	ANCHOR ASSEMBLY, clutch, reverse and forward (Includes item 14)
14	3047714	8	8	PIN, anchor assembly
15	3047715	15	15	PIN, piston return
16	3041678	15	15	SPRING, piston return

□ (Also see PACKAGED PARTS)



FORWARD CLUTCH AND PLANETARY

T-73123

USAGE: * Transmission with 2-speeds forward, 1-reverse
 ** Transmission with 2-speeds forward, 2-reverse

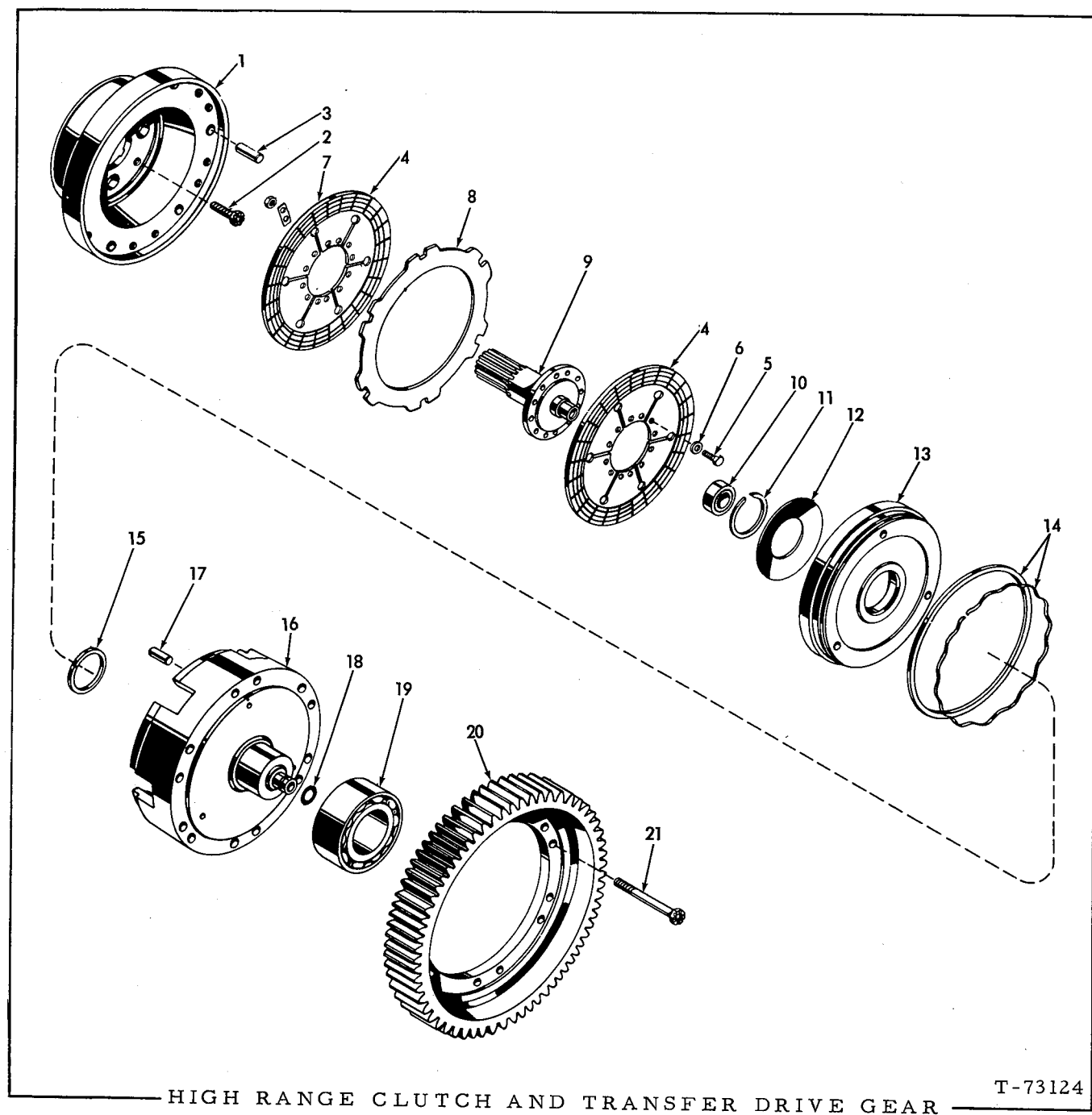
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	3047717	1 -	GEAR, sun, forward and reverse clutch
	3047814	- 1	GEAR, sun, forward and reverse clutch

(Continued)

FORWARD CLUTCH AND PLANETARY (Continued)

ITEM	PART NO.	QTY. * **		DESCRIPTION
2	3047718	1	1	GEAR, reverse ring
3	3048414	1	1	RING, snap
4	3047703	4	4	PLATE, internal splined
5	3047702	4	4	PLATE, external splined
6	3047719	1	-	GEAR, forward clutch ring
	3047810	-	1	GEAR, forward clutch ring
7	3047720	1	-	□ KIT, seal and expander (internal)
	3047811	-	1	□ KIT, seal and expander (internal)
8	3047701	1	1	□ KIT, seal and expander (external)
9	3047721	1	-	PISTON, forward clutch
	3047812	-	1	PISTON, forward clutch
10	3047722	1	1	KEY, anchor
11	3047723	1	2	INSERT, forward clutch housing
12	3047724	1	2	□ RING, seal, forward clutch housing insert
13	3047725	1	-	HOUSING, forward clutch piston
	3047813	-	1	HOUSING, forward and high clutch piston
14	3047726	1	-	RING, snap
15	3047727	1	-	CARRIER ASSEMBLY, forward clutch planetary (Includes items 16 thru 21)
	3047815	-	1	CARRIER ASSEMBLY, forward clutch planetary (Includes items 16 thru 21)
16	3047728	1	-	CARRIER, forward clutch planetary
	3047816	-	1	CARRIER, forward clutch planetary
17	3047709	8	12	WASHER, thrust
18	3047710	1	-	PINION SET, carrier (Consists of 4 pinions)
	3047817	-	1	PINION SET, carrier (Consists of 6 pinions)
19	3047711	8	12	BEARING, roller
20	3047712	4	6	SPACER, bearing
21	3047729	4	6	SPINDLE
22	3047730	1	-	LOCK, spindle
	3047818	-	1	LOCK, spindle
23	3047731	1	-	BEARING (single row ball)

□ (Also see PACKAGED PARTS)



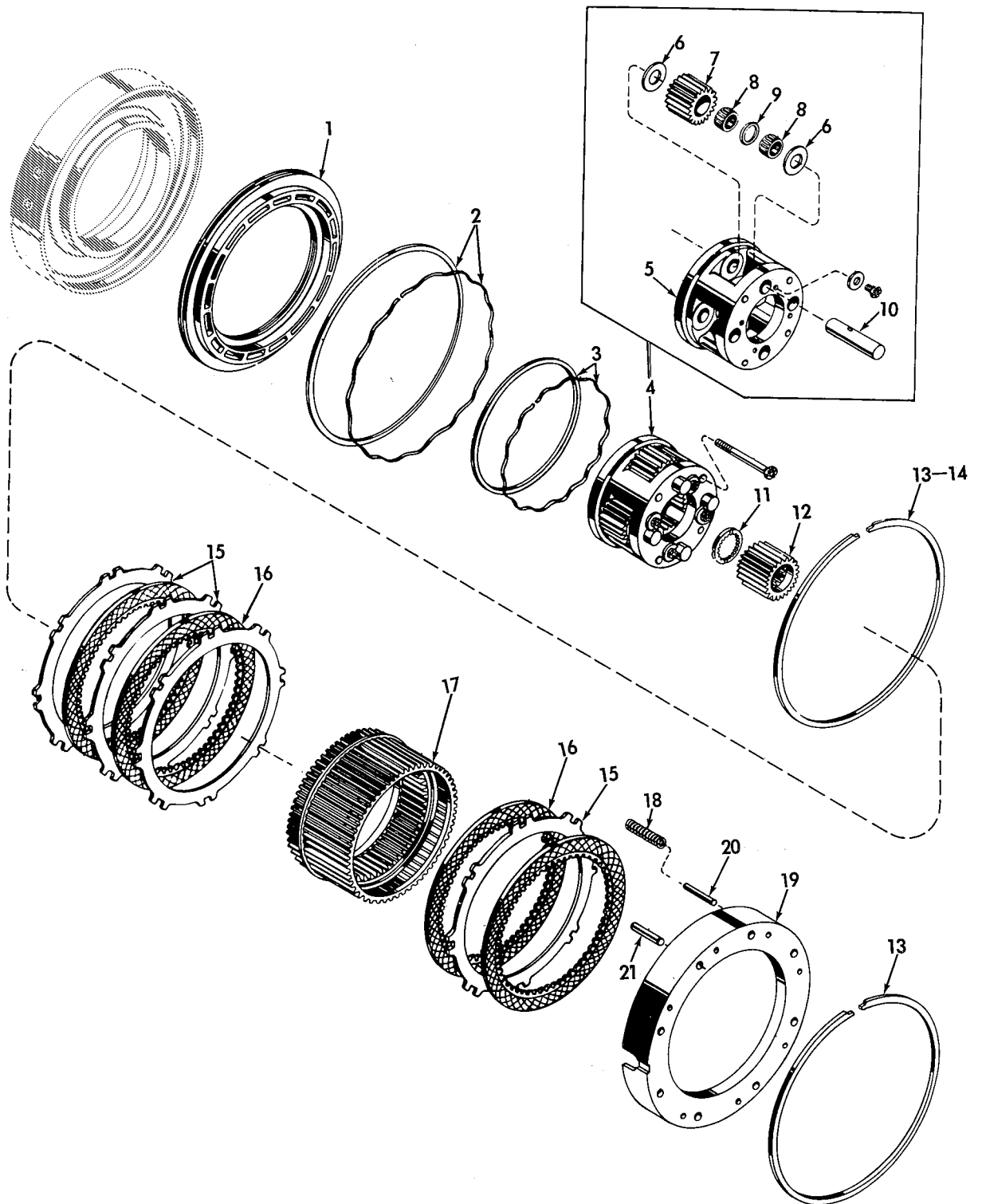
USAGE: Transmission with 2-speeds forward, 1-reverse

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047733	1	MEMBER ASSEMBLY, clutch drive, high range (Includes item 3)
2	3047734	4	CAPSCREW
3	3044404	6	PIN, member assembly
4	3046030	2	PLATE, clutch, high range
5	3047737	12	CAPSCREW, 5/16" NF x 7/8"
6	3046032	12	WASHER, plain
7	3046029	6	STRIP, locking
	910233	12	NUT, 5/16" NF (Continued)

HIGH RANGE CLUTCH AND TRANSFER DRIVE GEAR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	3021191	1	PLATE, external splined
9	3047736	1	SHAFT, clutch, high range
10	3044457	1	BEARING (single row ball)
11	3035719	1	RING, snap
12	3035739	1	SPRING, piston return
13	3046020	1	PISTON, clutch, high range
14	3042151	1	□ KIT, seal and expander
15	3035714	1	□ RING, seal, hook-type
16	3047738	1	HUB ASSEMBLY, clutch, high range (Includes item 17)
17	3046035	1	PIN, dowel
18	3035745	1	□ RING, seal, hook-type
19	3047739	1	BEARING (double row ball)
20	3048415	1	GEAR, transfer drive
21	3047740	12	CAPSCREW, 7/16" NF x 4"

□ (Also see PACKAGED PARTS)



HIGH RANGE CLUTCH

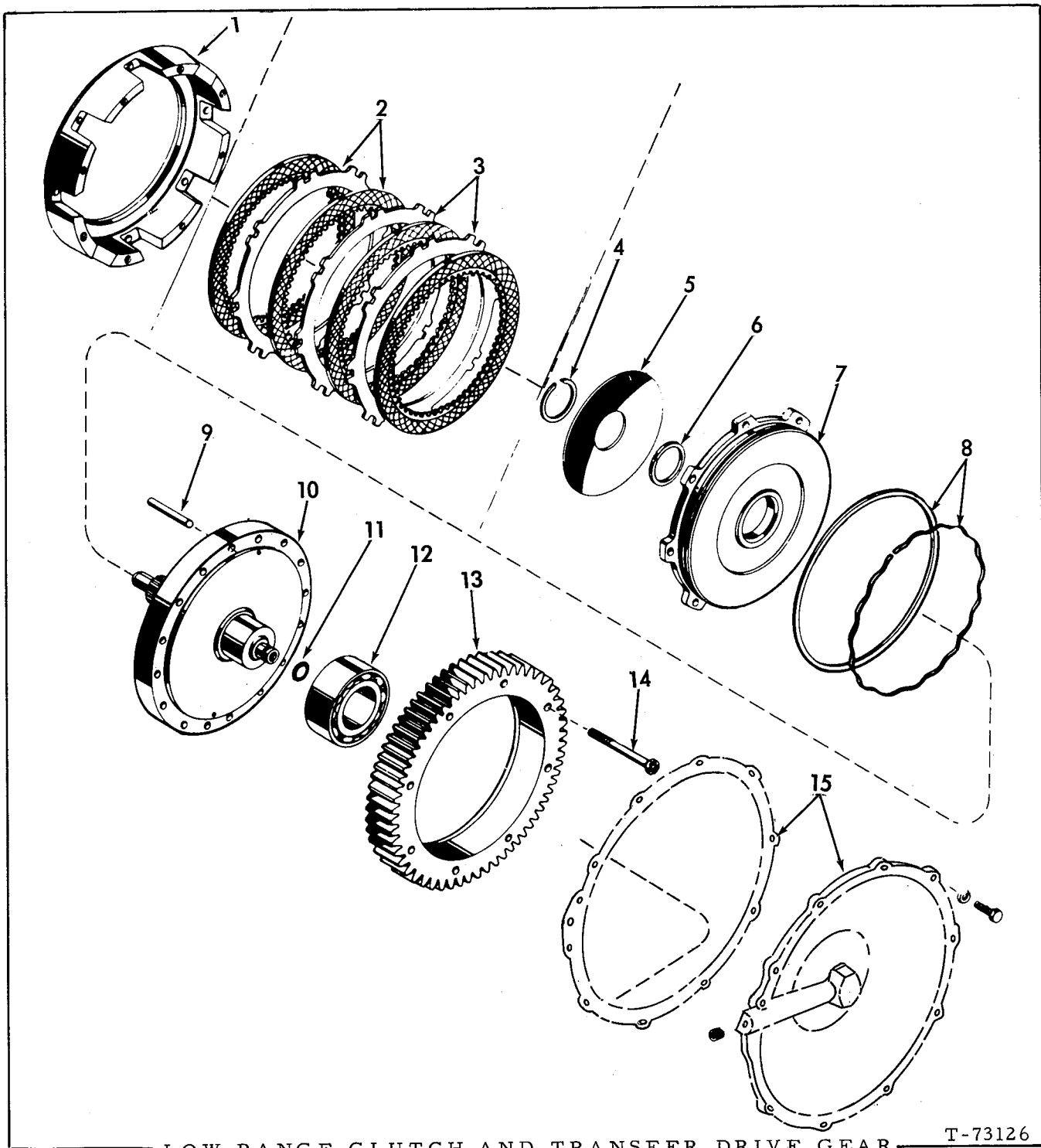
T-73125

HIGH RANGE CLUTCH

USAGE: Transmission with 2-speeds forward, 2-reverse

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047821	1	PISTON, clutch, high-range
2	3047701	1	□ KIT, seal and expander
3	3047720	1	□ KIT, seal and expander
4	3047822	1	CARRIER ASSEMBLY, clutch, high-range (Includes items 5 thru 10)
	3047824	4	CAPSCREW, 7/16" NF x 3-11/16"
5	3047823	1	CARRIER, clutch, high-range
6	3047709	8	WASHER, thrust
7	3047710	1	PINION SET, carrier (Consists of 4 pinions)
8	3047711	8	BEARING, roller
9	3047712	4	SPACER, bearing
10	3047708	4	SPINDLE
	3047707	4	CAPSCREW, 3/8" NF x 1/2"
	3047706	4	WASHER, 3/8"
11	3047825	1	WASHER, thrust, splined
12	3047826	1	GEAR, sun, high range clutch
13	3047726	2	RING, snap (.187" thick)
14	3047828	1	RING, snap (.174" thick-Color code Red) (Use as req'd)
	3047829	1	RING, snap (.180" thick-Color code White) (Use as req'd)
	3047830	1	RING, snap (.193" thick-Color code Blue) (Use as req'd)
	3047831	1	RING, snap (.200" thick-Color code Green) (Use as req'd)
15	3047702	4	PLATE, external splined
16	3047807	4	PLATE, internal splined
17	3047833	1	GEAR, ring, high and low range clutch
18	3047834	7	SPRING, piston return
19	3047820	1	ANCHOR ASSEMBLY, high range clutch (Includes items 20 and 21)
20	3047836	7	PIN, anchor
21	3047835	8	PIN, anchor

□ (Also see PACKAGED PARTS)



LOW RANGE CLUTCH AND TRANSFER DRIVE GEAR

T-73126

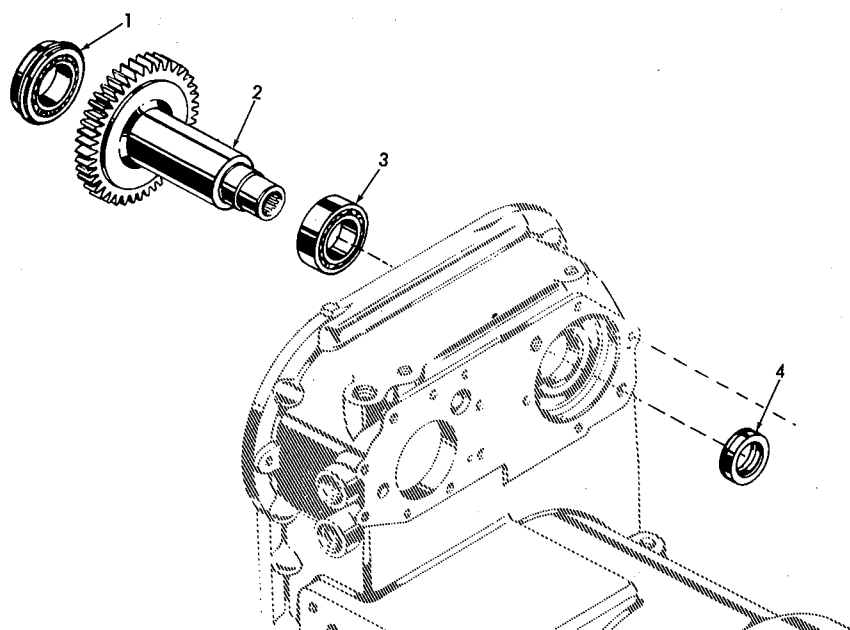
USAGE: Transmission with 2-speeds forward, 2-reverse

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047838	1	PLATE, backing, clutch, low range
2	3047703	4	PLATE, internal splined
3	3047702	3	PLATE, external splined

(Continued)

LOW RANGE CLUTCH AND TRANSFER DRIVE GEAR (Continued)

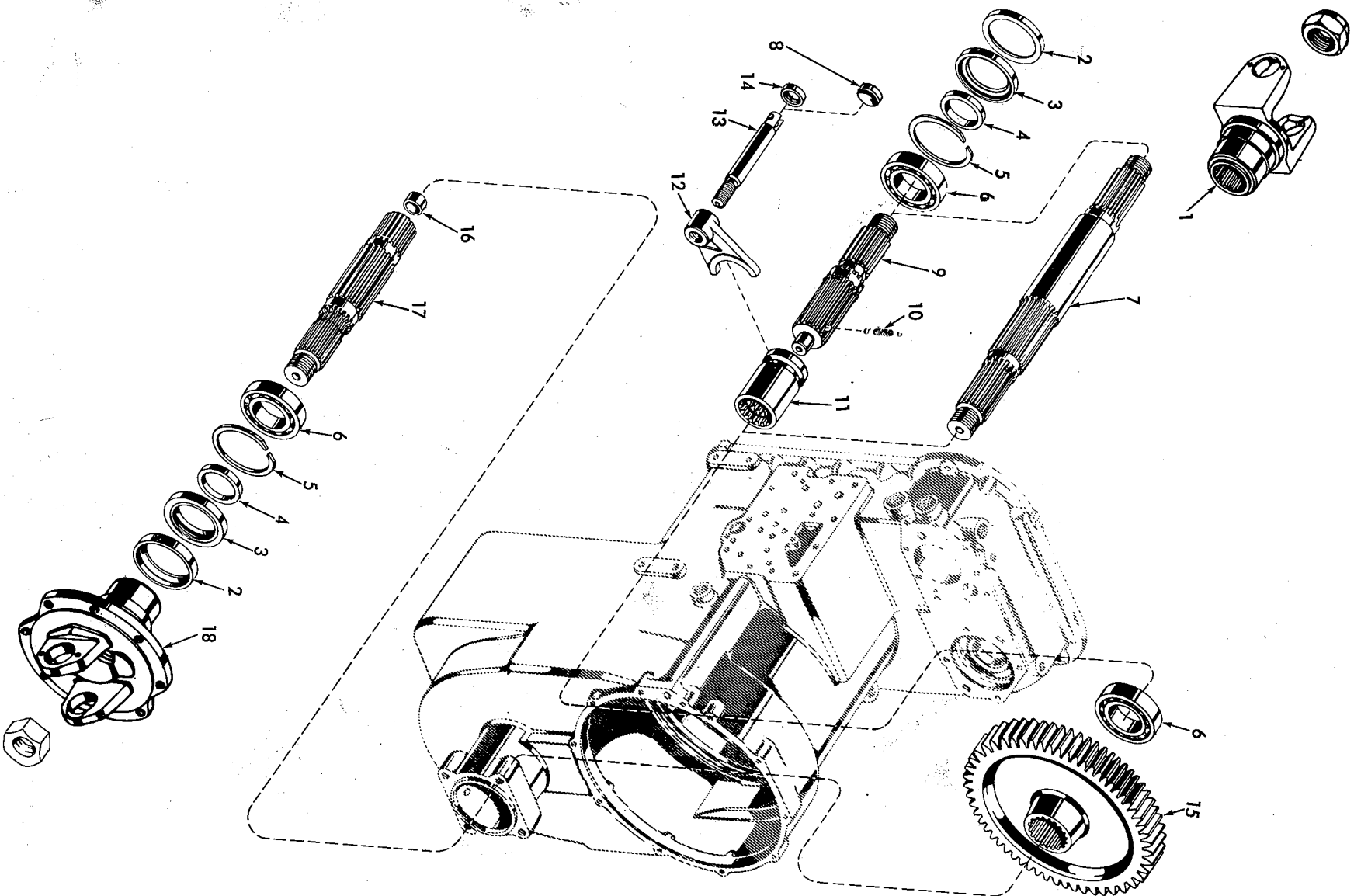
ITEM	PART NO.	QTY.	DESCRIPTION
4	3035719	1	RING, snap
5	3047842	1	SPRING, belleville
6	3035714	1	□ RING, seal, hook-type
7	3047843	1	PISTON, clutch, low range
8	3042146	1	□ KIT, seal and expander
9	3047845	8	PIN
10	3047844	1	HUB ASSEMBLY, clutch, low range (Includes item 9)
11	3035745	1	RING, seal hook type
12	3047739	1	BEARING (double row ball)
13	3047847	1	GEAR, transfer drive
14	3047848	8	CAPSCREW, 1/2" NF x 4"
15	-----	-	See TRANSMISSION HOUSING AND COVER



ACCESSORY DRIVE

T-73130

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047666	1	BEARING (single row ball)
2	3047758	1	GEAR, accessory drive
3	3046008	1	BEARING (single row ball)
4	3026156	1	□ SEAL, oil
			□ (Also see PACKAGED PARTS)

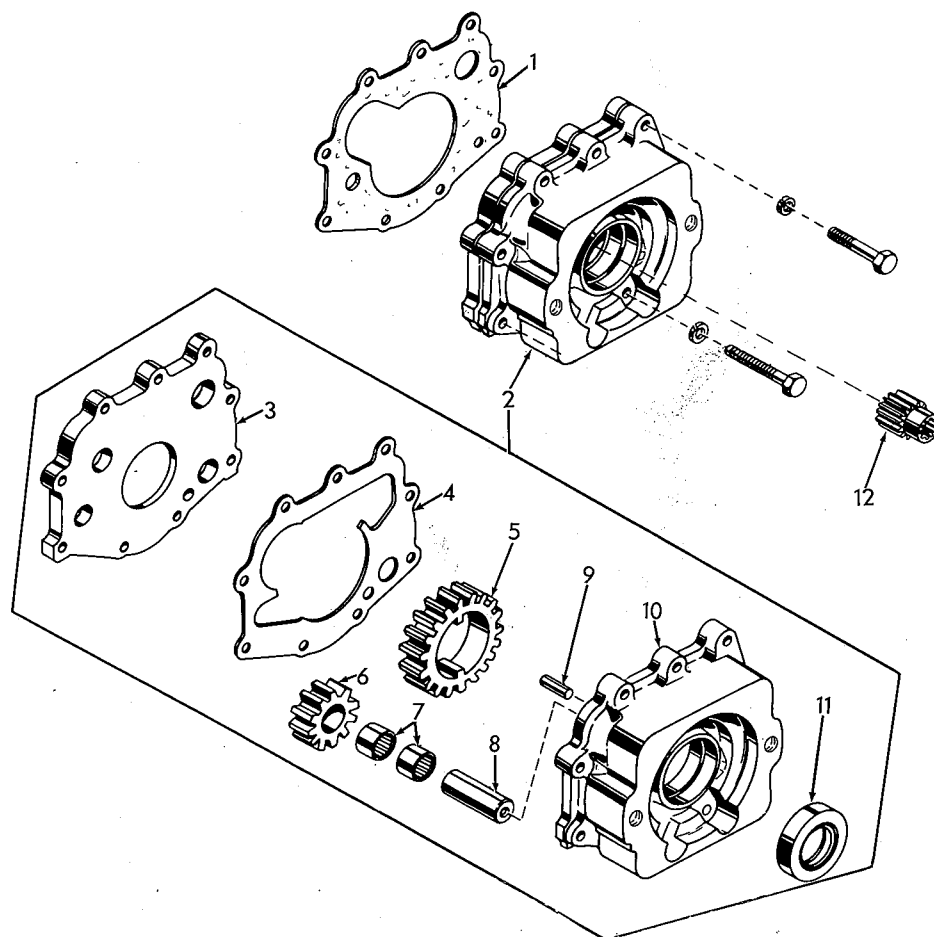


OUTPUT SHAFT AND AXLE DISCONNECT

USAGE: * Transmission without rear axle disconnect
 ** Transmission with rear axle disconnect

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	3047670	1	1	YOKE, output, rear
	924944	1	1	□ NUT, safety, yoke retaining
2	0194680	2	2	SLINGER, oil L
3	0194679	2	2	□ SEAL, oil ✓
4	3047746	2	2	SPACER, bearing
5	3021060	2	2	RING, snap, internal
6 {	3047749	2	-	BEARING (single row ball)
	3047768	-	3	BEARING (single row ball)
7	3047747	1	-	SHAFT, output
8	3021091	1	-	CAP, shifter shaft hole
9	3047769	-	1	SHAFT, output
10	3047770	-	1	SPRING, detent
	915905	-	2	BALL, 3/8"
11	3047771	-	1	COUPLING, disconnect
12	3047772	-	1	FORK, shifter
13	3035864	-	1	SHAFT, shifter fork
14	3021053	-	1	□ SEAL, oil, shifter shaft
15 {	3047748	1	1	GEAR, driven, transfer (Transmission with 2-speeds forward, 1-reverse)
	3047854	-	1	GEAR, driven, transfer (Transmission with 2-speeds forward, 2-reverse)
16	3021094	-	1	BUSHING, shaft output
17	3047773	-	1	SHAFT ASSEMBLY (Includes item 16)
18	3047026	1	1	YOKE, output, front (flange type)
	924944	1	1	□ NUT, safety, yoke retaining

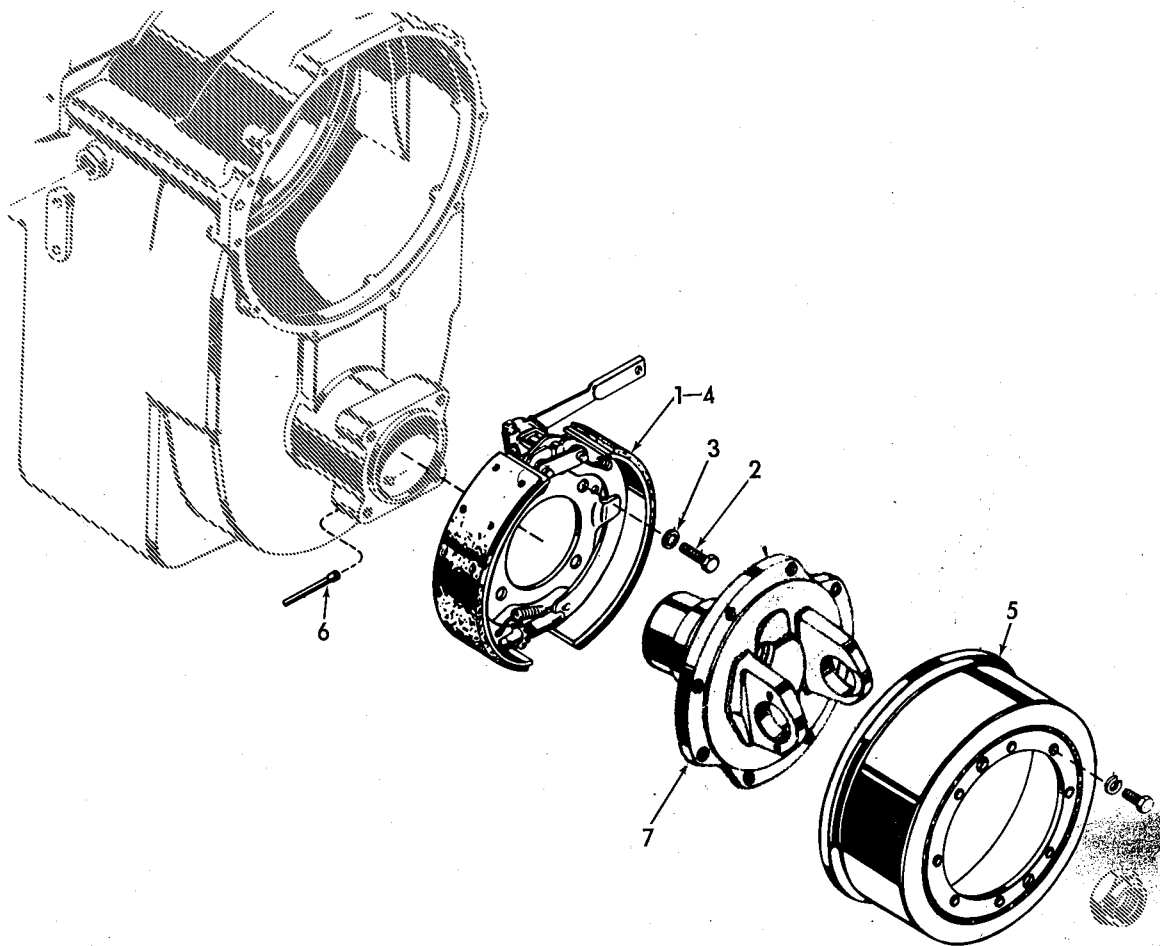
□ (Also see PACKAGED PARTS)



CHARGING OIL PUMP

T-73128

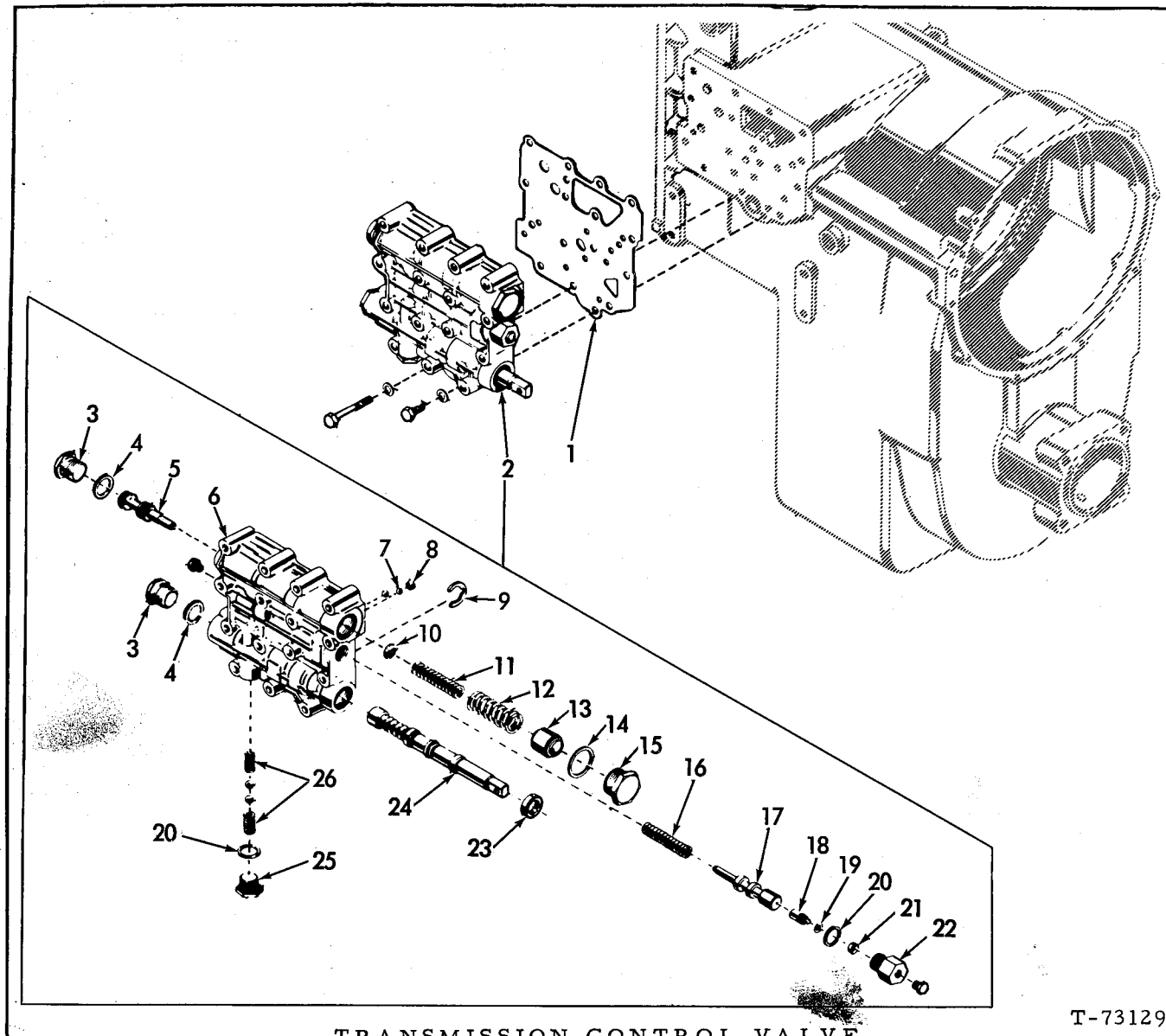
ITEM	PART NO.	QTY.	DESCRIPTION
1	3044386	1	□ GASKET, oil pump
2	3047752	1	PUMP ASSEMBLY, charging oil (Includes items 3 thru 11)
	920275	2	CAPSCREW, 3/8" NC x 2"
	910948	7	CAPSCREW, 3/8" NC x 3"
	904206	9	LOCK WASHER, 3/8"
3	3044401	1	COVER, oil pump
4	3044402	1	□ GASKET, cover, oil pump
5	-----	1	GEAR, drive (Not serviced, order 3047752)
6	-----	1	GEAR, driven (Not serviced, order 3047752)
7	3044403	2	BEARING, roller
8	-----	1	SHAFT, driven (Not serviced, order 3047752)
9	3044436	1	PIN, dowel
10	-----	1	BODY, oil pump (Not serviced, order 3047752)
11	3026156	1	□ SEAL, oil
12	3044949	1	COUPLING, implement pump drive □ (Also see PACKAGED PARTS)



PARKING BRAKE ASSEMBLY

T-73131

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047760	1	BRAKE AND LEVER ASSEMBLY
2	3047762	4	CAPSCREW, 5/8" NC x 1-3/8"
3	3047761	4	LOCKWASHER, internal tooth, 5/8"
4	-----	2	SHOE ASSEMBLY (Includes lining) (Serviced only as a unit)
5	3047763	1	DRUM, brake
	914875	8	CAPSCREW, 1/2" NF x 1"
	904208	8	LOCKWASHER, 1/2"
6	3047765	1	TUBE, drain
7	-----	-	See OUTPUT SHAFT AND AXLE DISCONNECT



T-73129

TRANSMISSION CONTROL VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048782	1	GASKET, control valve (Used with VALVE ASSEMBLY 3047827)
	3048842	1	GASKET, control valve (Used with VALVE ASSEMBLY 3048426)
2	3047827	1	VALVE ASSEMBLY, control (Includes items 3 thru 26) (For 2-speed forward, 1-speed reverse)
	3048426	1	VALVE ASSEMBLY, control (Includes items 3 thru 26) (For 2-speed forward, 2-speed reverse)
	916271	1	CAPSCREW, 3/8" NC x 1"
	912069	15	CAPSCREW, 3/8" NC x 2-1/2"
	904206	16	LOCKWASHER, 3/8"
3	3044473	2	PLUG, regulator valve

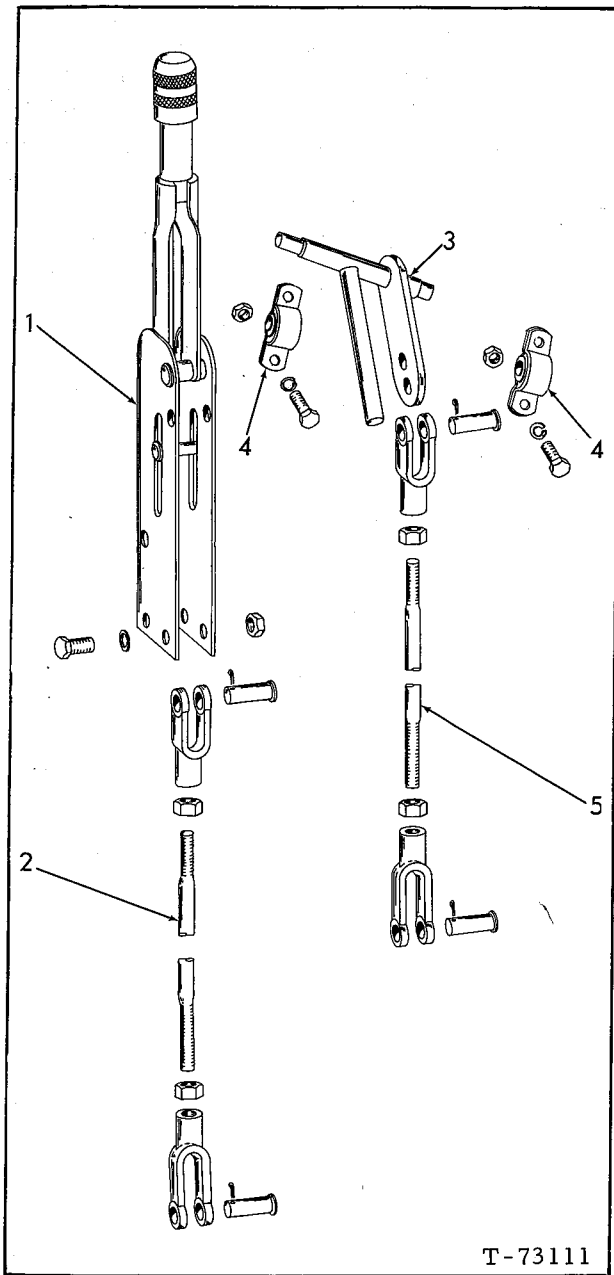
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TRANSMISSION CONTROL VALVE (Continued)

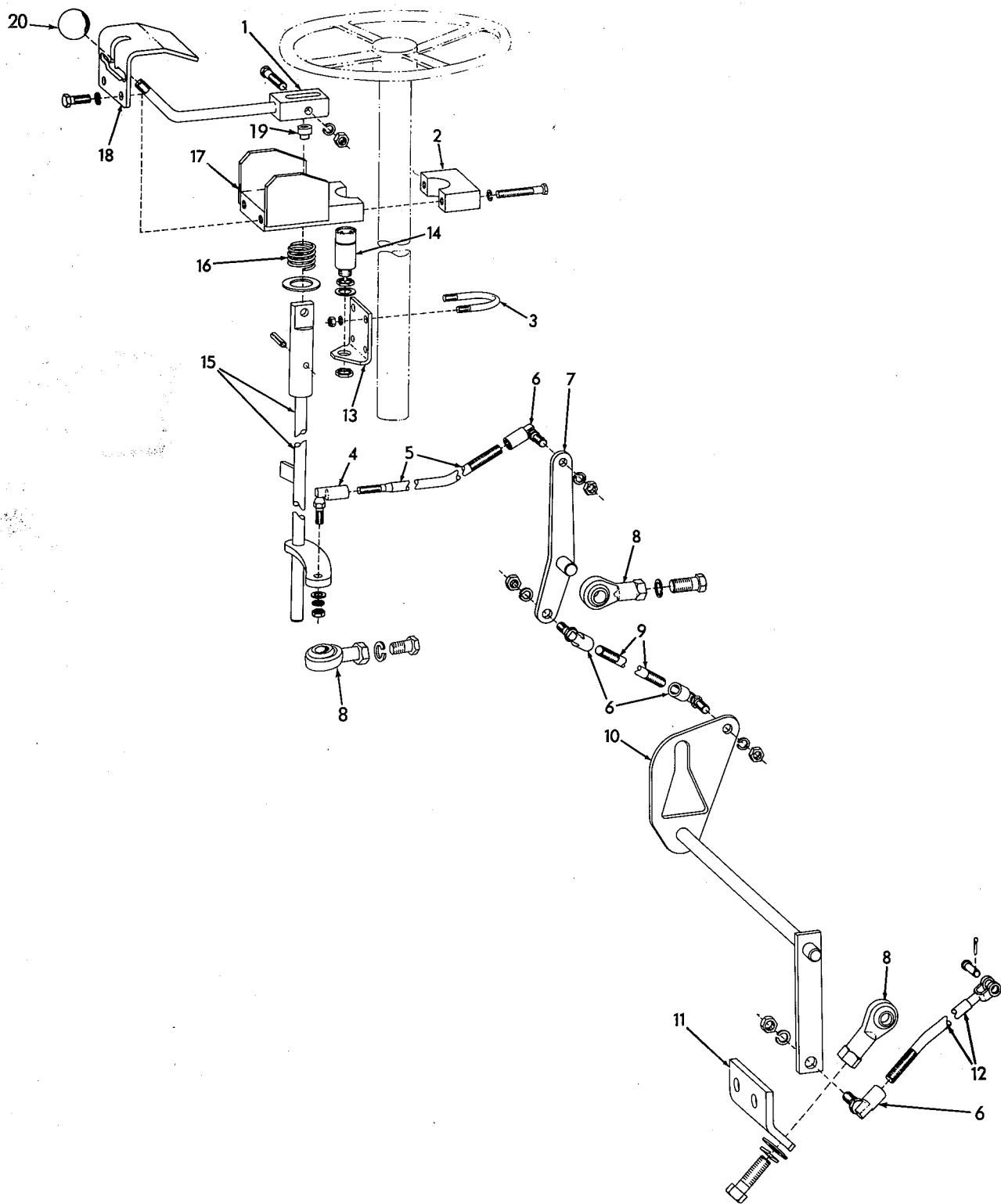
ITEM	PART NO.	QTY.	DESCRIPTION
4	3044474	2	□ GASKET, plug
5	3048836	1	VALVE, regulator
6	3048837	1	BODY, control valve (For 2-speed forward, 1 speed reverse)
	3048841	1	BODY, control valve (For 2-speed forward, 2-speed reverse)
7	3044478	1	BALL
8	3044479	1	PLUG, ball retainer
9	3044480	1	STOP, valve
10	3044481	1	RETAINER, spring
11	3047832	1	SPRING, regulator valve
12	3048839	1	SPRING, trimmer valve
13	3044484	1	PLUG, trimmer valve
14	3044485	1	□ GASKET, plug
15	3044486	1	PLUG
16	3044487	1	SPRING
17	3044488	1	VALVE, clutch cut-off
18	3031846	1	PLUG
19	3021058	1	□ RING, seal
20	3044489	2	□ GASKET, plug
21	3031847	1	□ CUP, plug
22	3021170	1	PLUG, cut-off valve
	919134	1	PLUG, pipe, hex-hd., 1/8" NPT
23	3039422	1	□ SEAL, oil, range valve
24	3048840	1	VALVE, range selector (For 2-speed forward, 1-speed reverse)
	3048838	1	VALVE, range selector (For 2-speed forward, 2-speed reverse)
25	3044493	1	PLUG, detent spring
26	3044494	2	SPRING, detent
	917580	2	BALL, detent, 1/2" dia.

PARKING BRAKE CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	4722511	1	LEVER ASSEMBLY, parking brake (Serviced as a unit)
	914354	1	CAPSCREW, 5/16" NF x 1-3/4"
	904205	1	LOCKWASHER, 5/16"
	913636	1	NUT, 5/16" NF
	915480	2	CAPSCREW, 3/8" NF x 1-3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
2	3048259	1	ROD, control
	917663	1	YOKE, adjustable
	910980	1	NUT, 5/16" NF
	917666	1	YOKE, end, adjustable
	913177	1	NUT, jam, 1/2" NF
	917648	1	PIN, yoke
	900806	1	PIN, cotter, 1/8" x 1"
3	3048264	1	SHAFT, cross-over
4	3048256	2	BLOCK, pillow
	920622	4	CAPSCREW, 5/16" NF x 1"
	910335	4	WASHER, plain
	913636	4	NUT, 5/16" NF
5	3048260	1	ROD, control
	917666	2	YOKE, end, adjustable
	913177	2	NUT, jam, 1/2"
	917648	2	PIN, yoke, 1/2"
	900806	2	PIN, cotter, 1/8" x 1"



MEMO

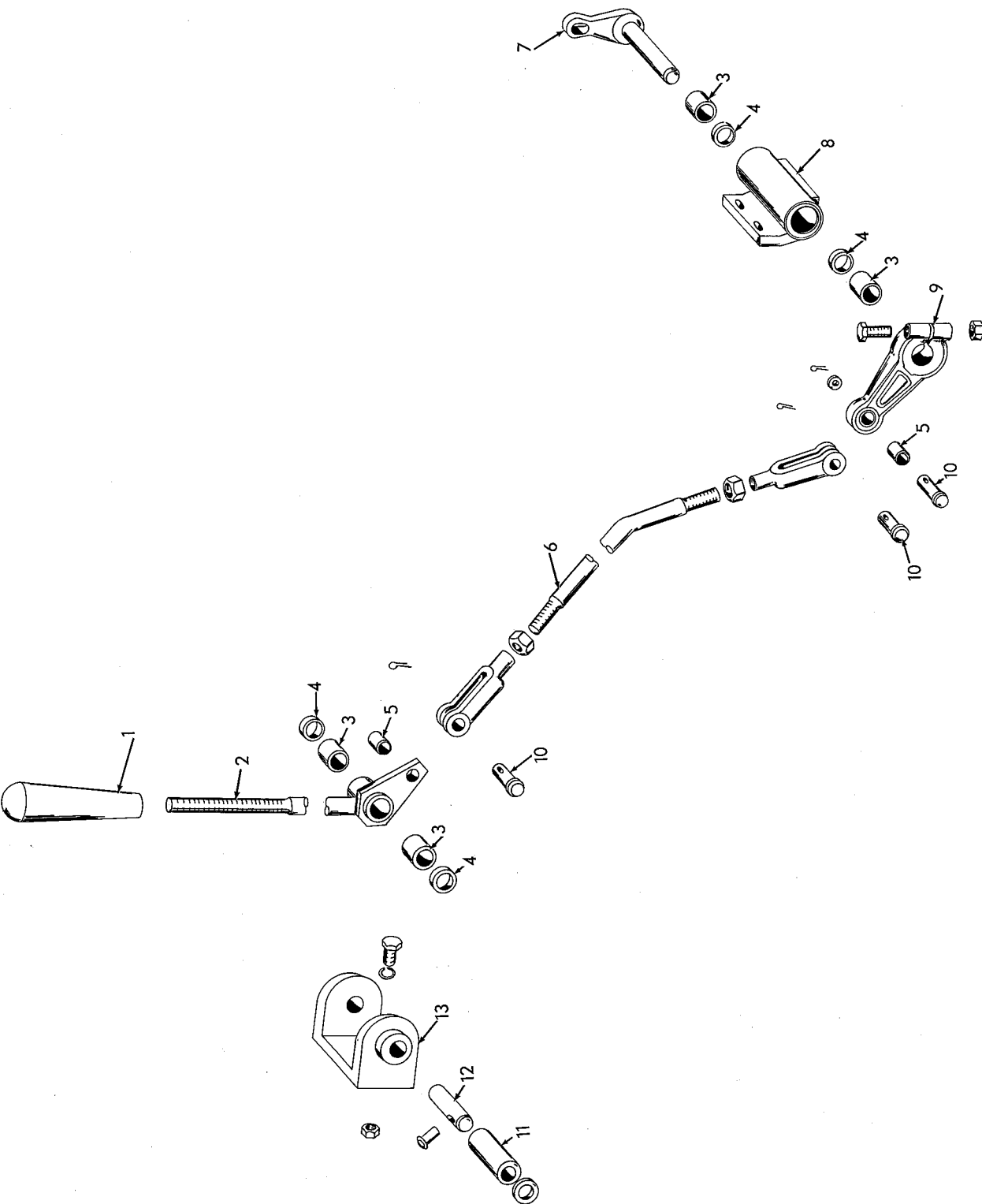


TRANSMISSION CONTROL GROUP

T-73116

TRANSMISSION CONTROL GROUP

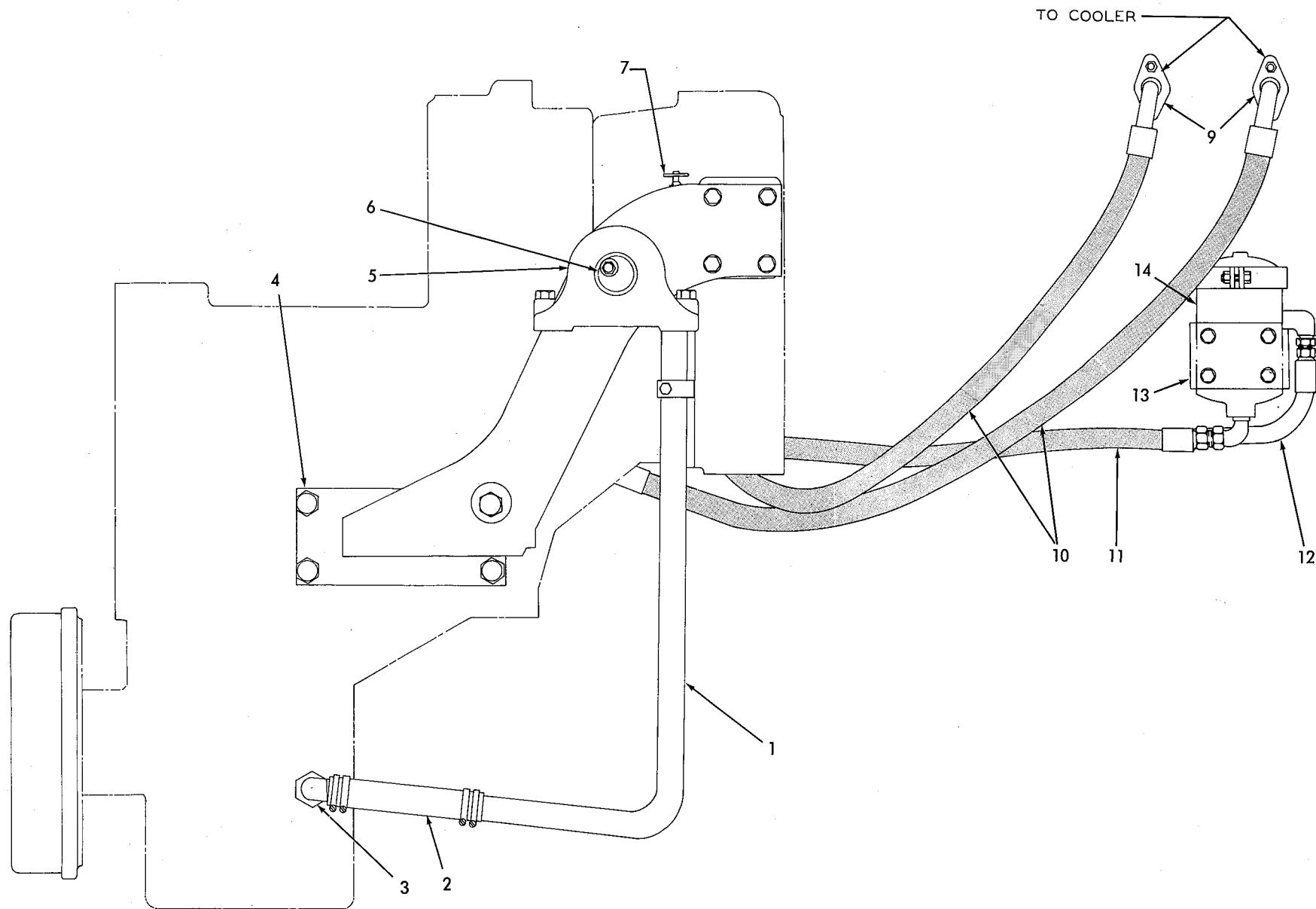
ITEM	PART NO.	QTY.	DESCRIPTION
1	3048122	1	LEVER, transmission control
	916385	1	CAPSCREW, 3/8" NF x 2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8" NF
2	3048006	1	CLAMP, supporting
	916383	2	CAPSCREW, 3/8" NF x 1-1/2"
	904206	2	LOCKWASHER, 3/8"
3	3048011	2	U-BOLT, steering gear
	911040	4	LOCKWASHER, 1/4"
	904204	4	NUT, 1/4" NF
4	3039765	1	JOINT, ball, adjustable
	904206	1	LOCKWASHER, 3/8"
	910329	1	NUT, 3/8" NF x 2"
	911041	1	NUT, 3/8" NF
5	3048113	1	ROD, connecting
6	3039764	4	JOINT, ball, adjustable
	904208	4	LOCKWASHER, 1/2"
	913177	3	NUT, jam, 1/2" NF
	911043	1	NUT, 1/2" NF
7	3048128	1	LEVER, assembly
8	3018142	3	BEARING, rod end
	916404	3	CAPSCREW, 5/8" NF x 1-1/4"
	904209	3	LOCKWASHER, 5/8"
9	3020748	1	ROD, connecting
10	3048124	1	LEVER, connecting
11	3048707	1	BRACKET, mounting, left
	3048708	1	BRACKET, mounting, right
	916404	2	CAPSCREW, 5/8" NF x 1-1/4"
	904209	2	LOCKWASHER, 5/8"
12	3048109	1	ROD, connecting
	917646	1	PIN, yoke
	900801	1	PIN, cotter, 3/32" x 1"
13	3048009	1	BRACKET, mounting
14	631844	1	SWITCH, safety, starting (Includes mounting nuts)
15	3048126	1	ROD, clutch control
16	3016399	1	SPRING, return
	911159	1	WASHER, plain, SAE std., 1"
	917758	1	PIN, roll, 1/4" x 1-1/4"
17	3048923	1	CLAMP, clutch control
18	3048601	1	PLATE, transmission control
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	904206	2	LOCKWASHER, 3/8"
19	3048860	1	WASHER, (Special)
20	3001171	1	KNOB, lever, transmission control



REAR AXLE DISCONNECT CONTROL

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	3041952	1	GRIP, control lever
2	3047628	1	LEVER ASSEMBLY, control (Includes items 3 thru 5)
3	3005955	4	BEARING, lever assembly
4	3005957	4	SEAL, lever
5	3013909	2	BUSHING, lever
6	3048521	1	ROD, extension
	917666	2	YOKE, adjustable
	913177	2	NUT, jam, 1/2" NF
7	3050123	1	LEVER, cross-over shaft
	905122	1	KEY, #7 woodruff, 1/8" x 3/4"
8	3047149	1	BRACKET ASSEMBLY, mounting (Includes items 3 and 4)
	916271	2	CAPSCREW, 3/8" NC x 1"
	904206	2	LOCKWASHER, 3/8"
9	3050124	1	LEVER ASSEMBLY, cross-over shaft (Includes item 5)
	916385	1	CAPSCREW, 3/8" NF x 2"
	911041	1	NUT, 3/8" NF
10	3001565	3	PIN, yoke
	900806	3	PIN, cotter, 1/4" x 1"
	910244	1	WASHER, plain, SAE std., 1/2"
11	3020886	1	SPACER, control lever
	3050388	1	WASHER, plain, SAE std., 3/4"
12	3017119	1	SHAFT, pivot
	916937	1	PIN, roll, 1/4" x 1-1/4"
13	3017118	1	BRACKET, lever
	915228	3	CAPSCREW, 3/8" NF x 1-1/4"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8" NF

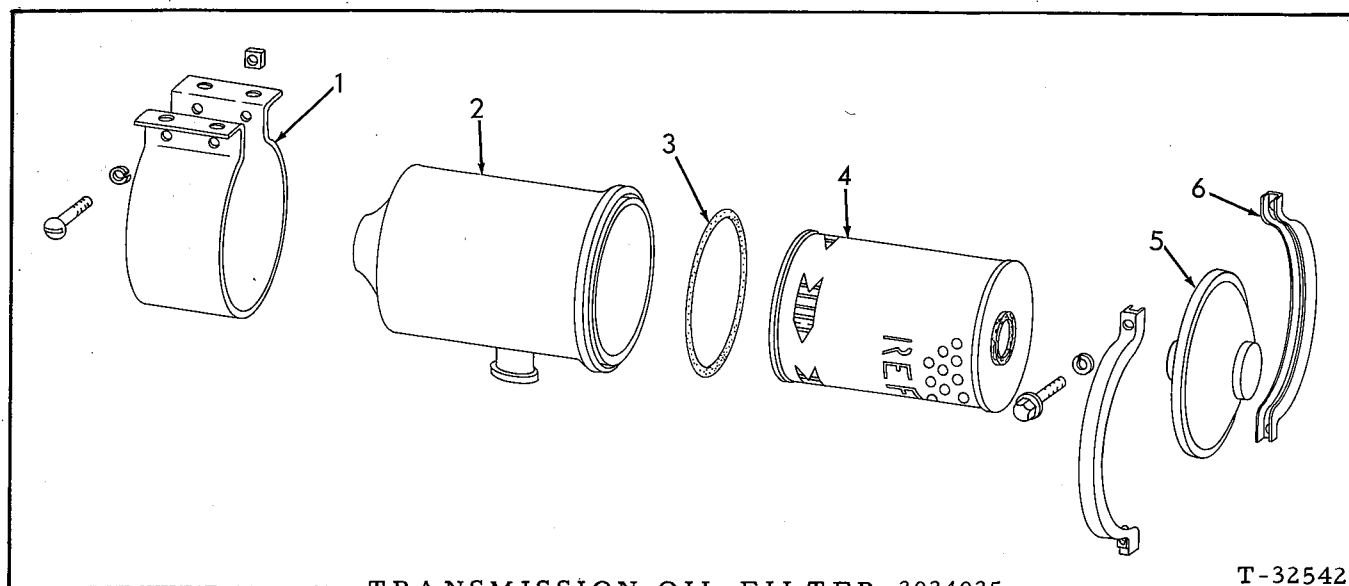


TRANSMISSION COOLING LINES, FILTER AND MOUNTING

T-73109

TRANSMISSION COOLING LINES, FILTER AND MOUNTING

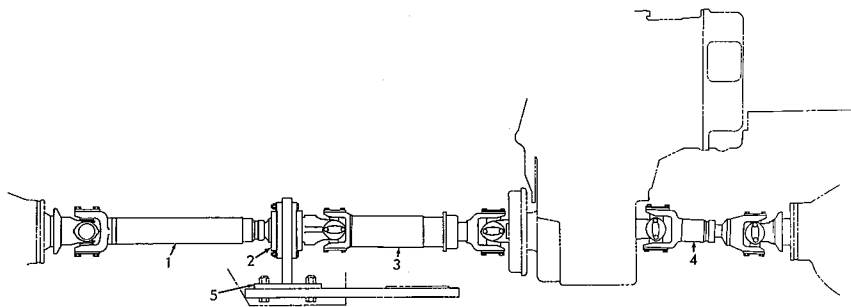
ITEM	PART NO.	QTY.	DESCRIPTION
1	3050475	1	TUBE ASSEMBLY, oil filler (Includes clamp)
	916309	1	CAPSCREW, 1/2" NC x 3/4"
	904208	1	LOCKWASHER, 1/2"
2	3048614	1	HOSE, 1-1/2" I. D. x 8"
	921912	4	CLAMP, adjustable (1-1/16" to 2")
3	3048503	1	ADAPTER, hose (threaded one end)
4	3048958	1	BRACKET ASSEMBLY, transmission supporting, left (Includes items 5 and 6)
	3048959	1	BRACKET ASSEMBLY, transmission supporting, right (Includes items 5 and 6)
	916314	8	CAPSCREW, 1/2" NC x 2"
	904208	8	LOCKWASHER, 1/2"
	915963	8	CAPSCREW, 5/8" NC x 2-1/4"
	904209	8	LOCKWASHER, 5/8"
5	192951	2	PAD, bracket mounting
	915790	4	CAPSCREW, 5/8" NF x 3"
	916589	4	NUT, safety, 5/8" NF
6	181605	2	BEARING, self-aligning
7	195423	1	DIP-STICK, transmission oil level
9	4335578	2	GASKET, hose flange
10	3050034	2	HOSE ASSEMBLY, oil cooler to transmission (Crimped-type) (Serviced only as a unit)
	916254	4	CAPSCREW, 7/16" NC x 1"
	904205	4	LOCKWASHER, 7/16"
	922632	2	ELBOW, flare type, 3/4" tube, 1-5/16" straight thread (Includes 1 O-RING 921235)
11	3043426	1	HOSE ASSEMBLY, filter to transmission (Crimped-type) (Serviced only as a unit)
	919269	1	ELBOW, 90° flare type, 3/4" tube 3/4" NPT male
	922997	1	CONNECTOR, flare type, 3/4" tube, 1-5/16" straight thread (Includes 921235)
12	3043152	1	HOSE ASSEMBLY, transmission to filter (Crimped-type) (Serviced only as a unit)
	919269	1	ELBOW, 90° flare type, 3/4" tube, 3/4" NPT male
	921217	1	CONNECTOR, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 921206)
	922997	1	CONNECTOR, flare type, 3/4" tube, 1-5/16" straight thread (Includes 1 O-RING 921235)
13	3047529	1	PLATE, filter mounting
	923683	2	CAPSCREW, 3/8" NC x 3/4" (Self-tapping)
14	3034035	1	FILTER ASSEMBLY, transmission (See page 116 for parts)
	916206	4	CAPSCREW, 5/16" NF x 7/8"
	910335	4	WASHER, plain, SAE std., 5/16"
	904205	4	LOCKWASHER, 5/16"
	913636	4	NUT, 5/16" NF



TRANSMISSION OIL FILTER 3034035

T-32542

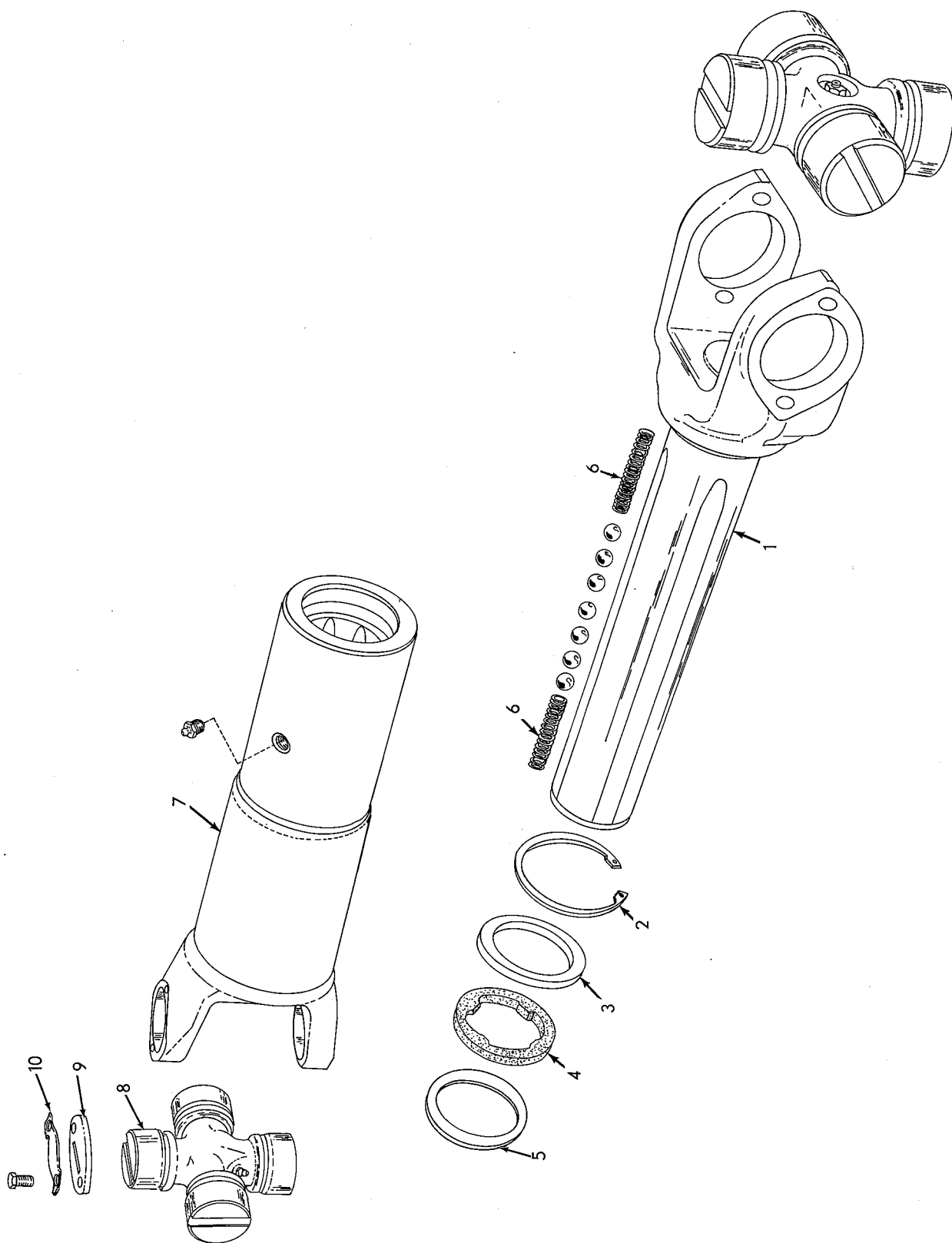
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 115 for listing of complete Assembly.			
1	3035371	1	BRACKET, filter mounting
	903756	2	SCREW, machine, 1/4" NC x 2-1/2"
	904204	2	LOCKWASHER, 1/4"
	912660	2	NUT, 1/4" NC
2	3035375	1	BODY, filter
3	3035373	1	RING, sealing
4	3035376	1	ELEMENT KIT (Includes item 3)
5	3035374	1	COVER ASSEMBLY, filter (Serviced only as a unit)
6	3035372	2	CLAMP, cover (half)
	914847	2	CAPSCREW, 3/8" NC x 1-1/2"
	904206	2	LOCKWASHER, 3/8"



DRIVE SHAFT GROUP

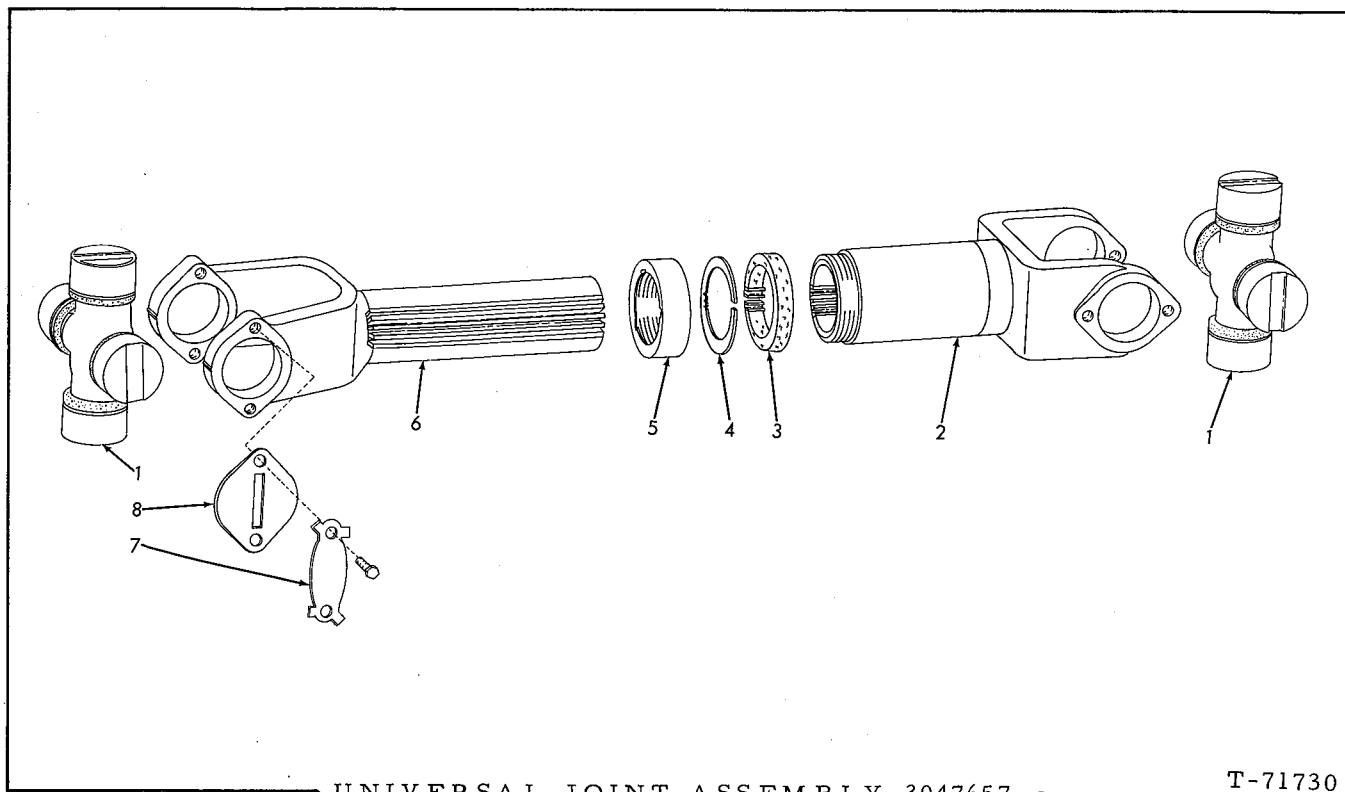
T-70647

ITEM	PART NO.	QTY.	DESCRIPTION
1	3046262	1	SHAFT ASSEMBLY, drive, front axle to cartridge (See page 121 for parts)
	914465	1	FITTING, lubricating, straight, 1/8" NPT
2	-----	-	SEE UNIVERSAL JOINT CARTRIDGE AND SUPPORT
	916337	4	CAPSCREW, 3/4" NF x 4"
	921343	4	NUT, safety, 3/4" NF
3	3046263	1	SHAFT ASSEMBLY, drive, cartridge to transmission (See page 119 for parts)
	974465	1	FITTING, lubricating, straight, 1/8" NPT
4	3047657	1	SHAFT ASSEMBLY, drive, transmission to rear axle (See page 120 for parts)
	914465	1	FITTING, lubricating, straight, 1/8" NPT
5	3046136	1	PLATE, bracket mounting



DRIVE SHAFT ASSEMBLY 3046263

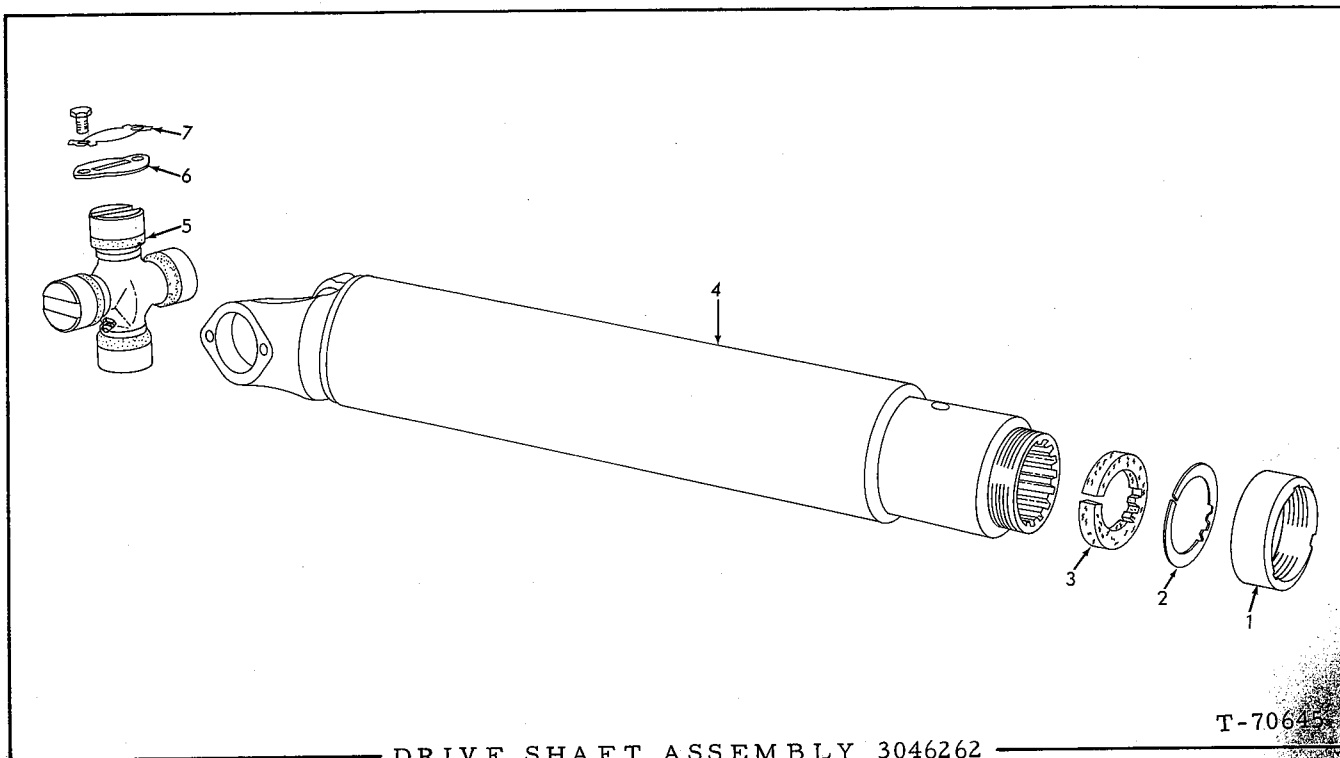
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 117 for listing of complete Assembly.			
1	3047017	1	SPLINE YOKE ASSEMBLY
2	3044302	1	RING, snap, retaining (internal)
3	3044301	1	WASHER, guide (brass)
4	3044300	1	SEAL, guide washer (rubber)
5	3044299	1	WASHER, thrust
6	3044298	8	SPRING
	924068	28	BALL, 7/16"
7	3047015	1	YOKE, sleeve, driveshaft
8	3038633	2	CROSS ASSEMBLY (Includes 1 fitting and item 9 and 10)
	915276	2	FITTING, 90°, 1/8" NPT
9	3038627	8	PLATE, cover
10	3038626	8	PLATE, locking
	920623	16	CAPSCREW, 5/16" NF x 1/2"



UNIVERSAL JOINT ASSEMBLY 3047657

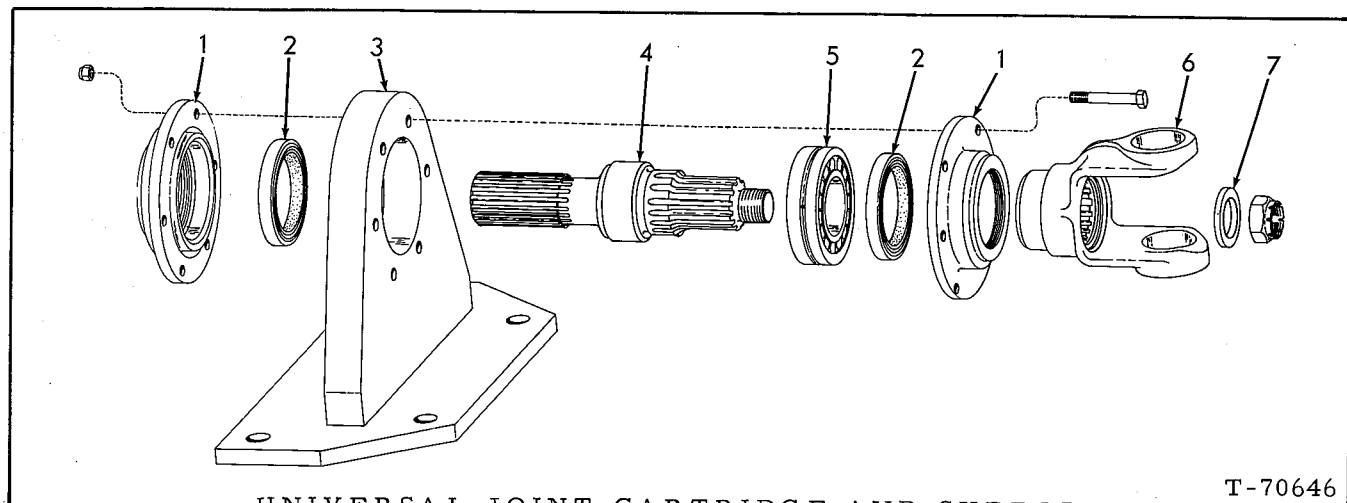
T-71730

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 117 for listing of complete Assembly.			
1	3038633	2	CROSS AND BEARING ASSEMBLY (Includes 1 fitting and items 7 and 8) FITTING, 90°, 1/8" NPT
	915276	2	
2	3047019	1	YOKE, slip
3	3047023	1	WASHER, felt, dust cap
4	3038843	1	WASHER, metal, dust cap
5	3038844	1	CAP, dust
6	3047020	1	YOKE, end
7	3038626	8	PLATE, locking CAPSCREW, 5/16" NF x 1/2"
	920623	16	
8	3038627	8	PLATE, cover



DRIVE SHAFT ASSEMBLY 3046262

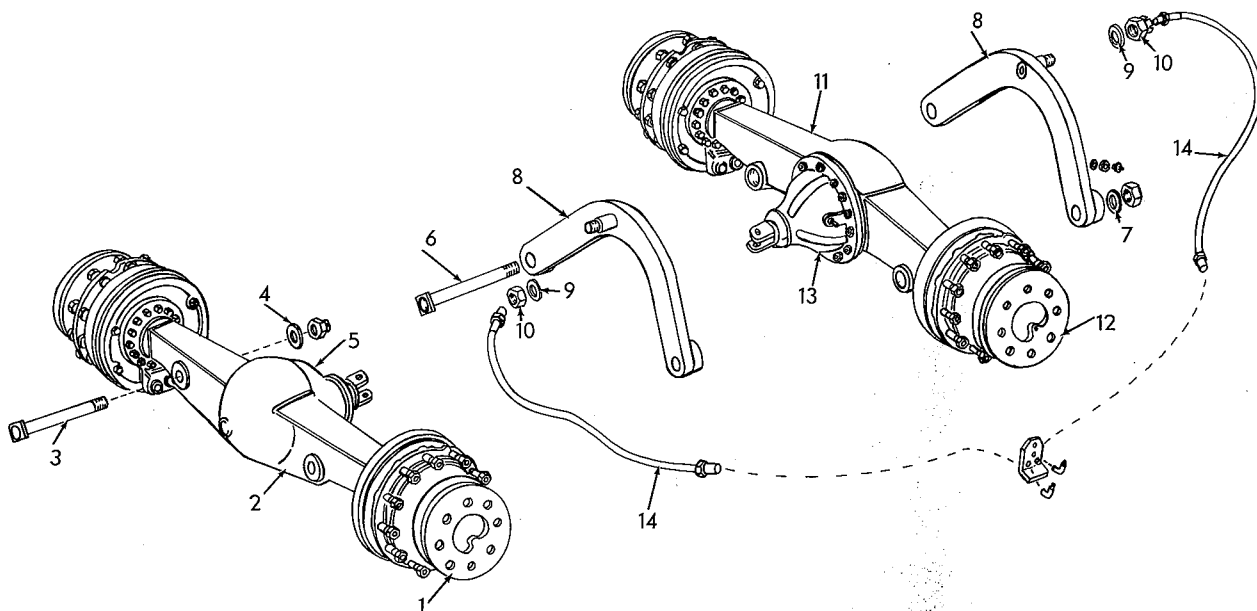
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 117 for listing of complete Assembly.			
1	3021867	1	CAP, dust
2	3032377	1	WASHER, metal, dust cap
3	3032378	1	WASHER, felt, dust cap
4	3047013	1	YOKE, slip
5	3038633 915276	1 1	CROSS ASSEMBLY (Includes items 6, 7 and 1 fitting) FITTING, lubricating, 90°, 1/8" NPT
6	3038627	4	PLATE, cover
7	3038626 920623	4 8	PLATE, locking CAPSCREW, 5/16" NF x 1/2"



UNIVERSAL JOINT CARTRIDGE AND SUPPORT

T-70646

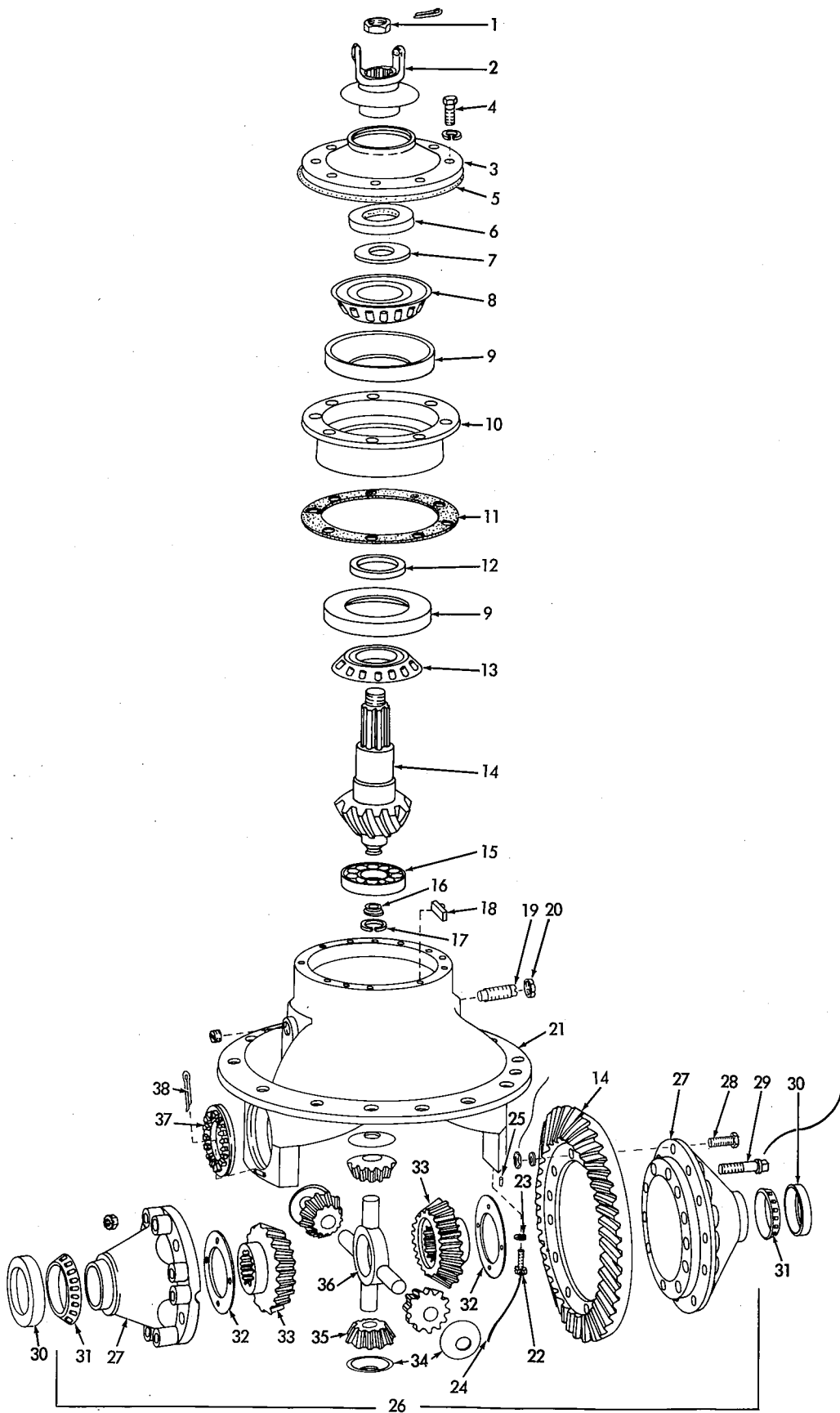
ITEM	PART NO.	QTY.	DESCRIPTION
1	3042796	2	COVER, seal and bearing
	920613	6	CAPSCREW, 3/8" NF x 3"
	913528	6	NUT, safety, 3/8" NF
2	3008139	2	SEAL, bearing
3	3042808	1	BRACKET, supporting, cartridge
	922212	1	FITTING, lubricating, 90°, 1/8" NPT
4	3042791	1	SHAFT, cartridge
5	3042807	1	BEARING, shaft
6	3046265	1	YOKE, end
7	3022056	1	WASHER, end yoke
	921140	1	NUT, safety, 1-1/4" NF



T-73115

AXLE AND SUPPORTS

ITEM	PART NO.	QTY.	DESCRIPTION
-	3045131	1	AXLE ASSEMBLY, front (See pages 125 thru 132 for parts)
-	3047777	1	AXLE ASSEMBLY, rear (See pages 135 thru 142 for parts)
1	-----	-	SHAFT AND HUB, front axle (See page 129 for parts)
2	-----	-	HOUSING, front axle (See page 127 for parts)
3	3046338	2	PIN, axle connecting, front
4	3044963	2	WASHER, plain
	924847	2	NUT, safety, 1-3/4" NC
5	3047867	1	DIFFERENTIAL ASSEMBLY, front axle (See page 125 for parts)
6	3042335	2	PIN, axle connecting, rear
7	3042703	2	WASHER, plain
	925284	2	NUT, safety, 1-1/2" NF
8	3046599	2	SUPPORT, axle, rear
9	3042698	2	WASHER, plain
	3037507	-	SHIM (.010" thick. Use as req'd)
10	3017556	2	NUT, safety
11	-----	-	HOUSING, axle, rear (See page 137 for parts)
12	-----	-	SHAFT AND HUB, rear axle (See page 139 for parts)
13	3048428	1	DIFFERENTIAL ASSEMBLY, rear axle (See page 135 for parts)
14	3004999	2	TUBE ASSEMBLY, flexible
	904209	2	LOCKWASHER, 5/8"
	911049	2	NUT, jam, 5/8" NF
	914465	2	FITTING, straight, 1/8" NPT



DIFFERENTIAL CARRIER ASSEMBLY 3047867
(Front Axle)

T-38227

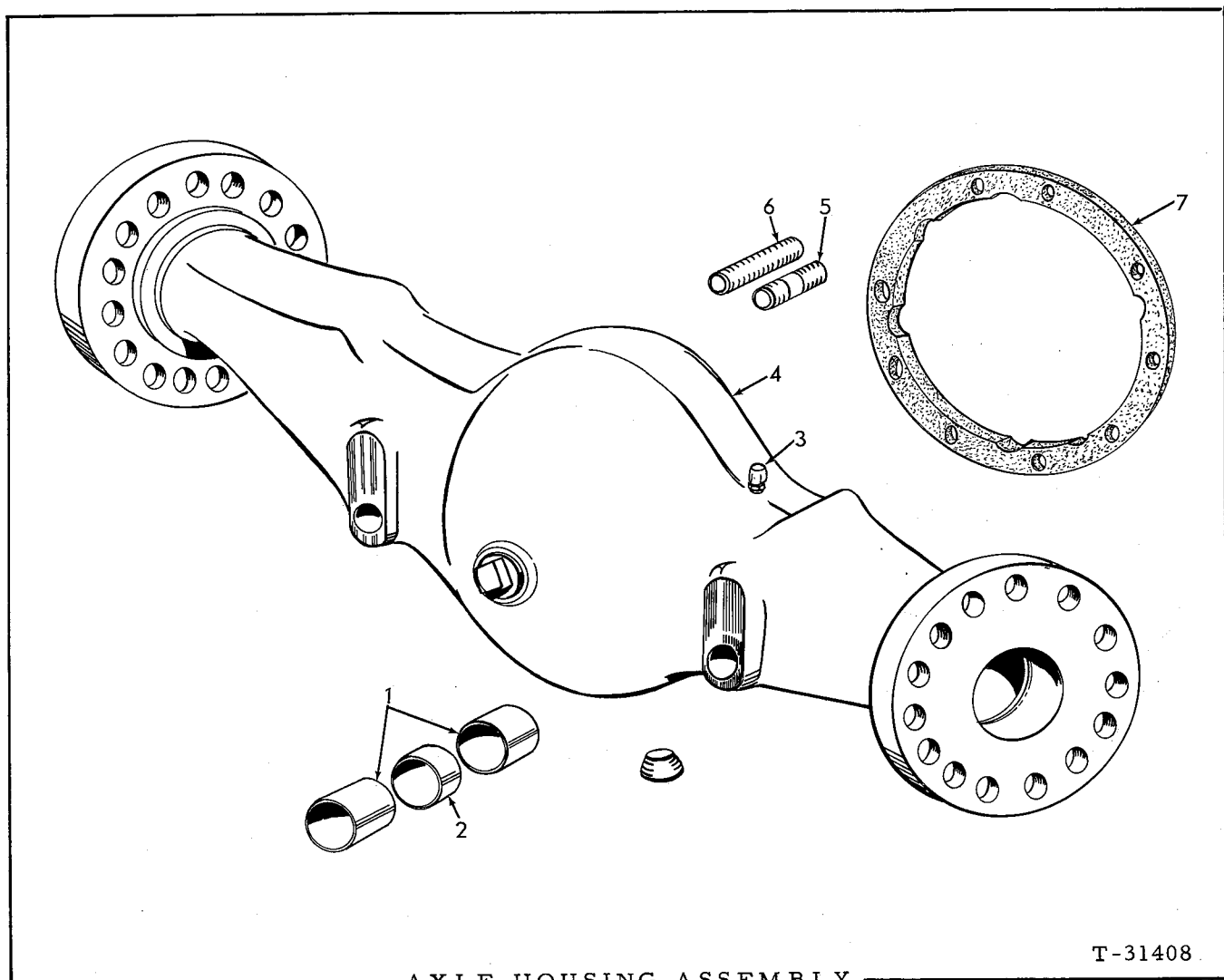
DIFFERENTIAL CARRIER ASSEMBLY 3047867
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 123 for listing of complete Assembly.			
1	3032918	1	NUT, yoke assembly
	904003	1	PIN, cotter, 1/8" x 2-1/4"
2	3038199	1	YOKE ASSEMBLY (Includes slinger) (Serviced only as a unit)
3	3032789	1	COVER ASSEMBLY, bearing cage (Includes item 6)
4	3022110	8	CAPSCREW (Special)
5	3032916	1	GASKET, cover, bearing cage
6	3022043	1	SEAL, oil, cover assembly
7	3032917	1	WASHER, bearing
8	3036712	1	CONE; outer (Order both cup and cone)
9	182440	2	CUP (Order both cup and cone)
10	3036710	1	CAGE ASSEMBLY (Includes item 9)
11	3032908	1	SHIM, bearing cage (.003" thick. Use as req'd)
	3032794	1	SHIM, bearing cage (.005" thick. Use as req'd)
	3032795	1	SHIM, bearing cage (.010" thick. Use as req'd)
12	3032925	1	SPACER (.248" thick. Use as req'd)
	3032926	1	SPACER (.249" thick. Use as req'd)
	3032927	1	SPACER (.250" thick. Use as req'd)
	3032928	1	SPACER (.251" thick. Use as req'd)
	3032929	1	SPACER (.252" thick. Use as req'd)
	3032930	1	SPACER (.253" thick. Use as req'd)
	3032931	1	SPACER (.259" thick. Use as req'd)
	3032932	1	SPACER (.265" thick. Use as req'd)
	3032933	1	SPACER (.271" thick. Use as req'd)
	3032934	1	SPACER (.277" thick. Use as req'd)
	3032935	1	SPACER (.283" thick. Use as req'd)
13	3036711	1	CONE, inner (Order both cup and cone)
14	3040819	1	GEAR ASSEMBLY, drive (Includes drive pinion-matched set) (Serviced only as a unit)
15	3032937	1	BEARING, drive pinion
16	3032938	1	RETAINER, bearing, drive pinion
17	076961	1	RING, locking, bearing retainer

(Continued)

DIFFERENTIAL CARRIER ASSEMBLY 3047867 (Continued)
(Front Axle)

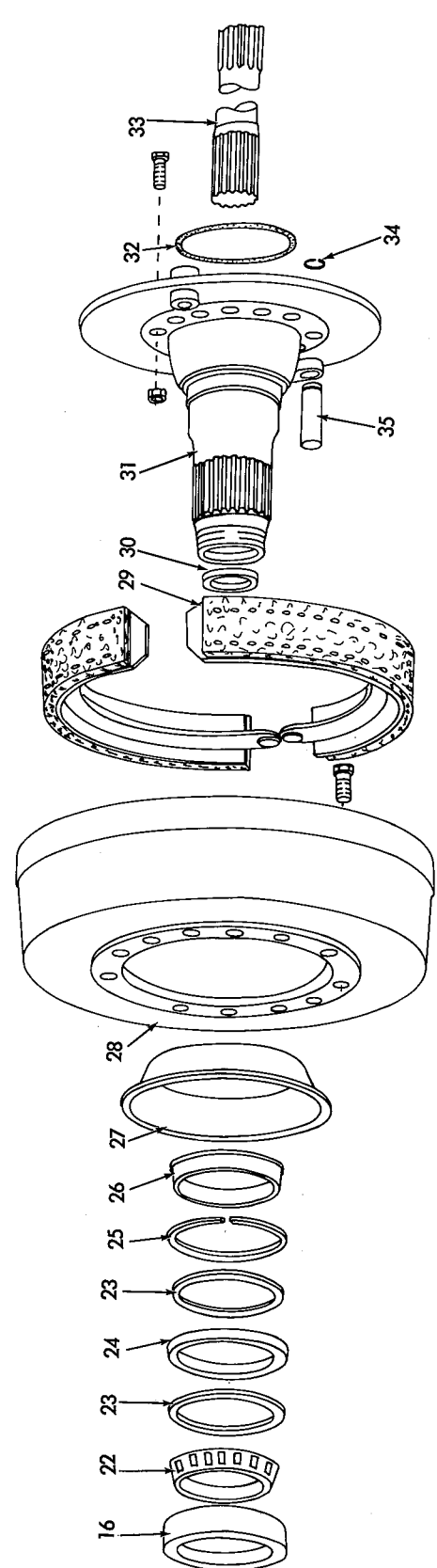
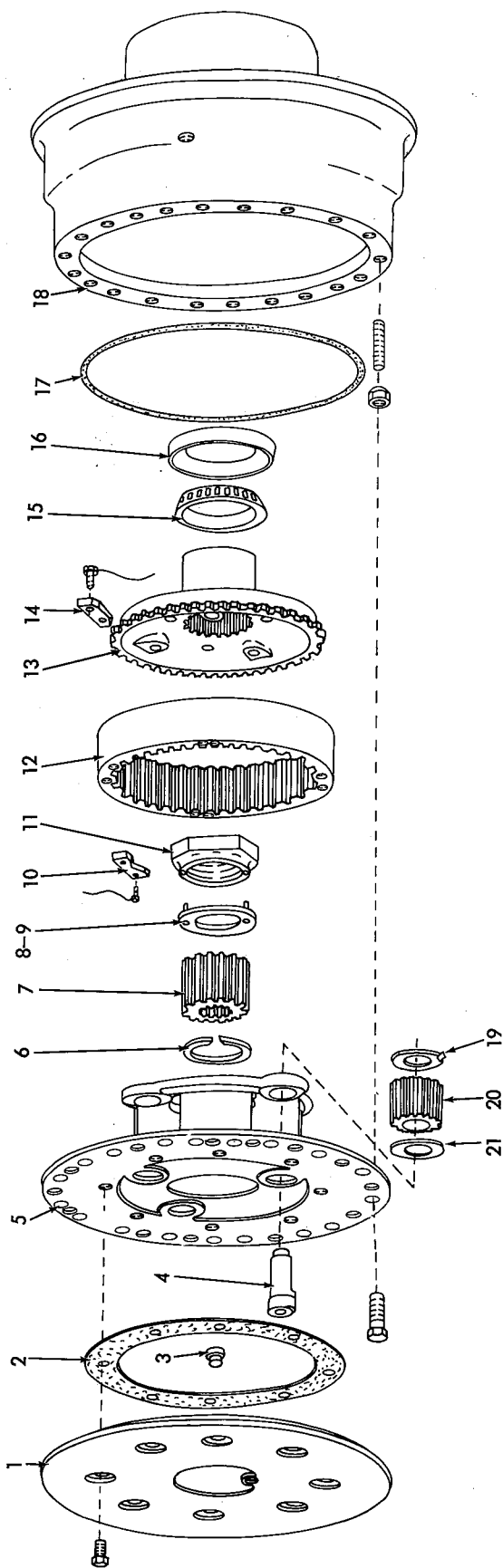
ITEM	PART NO.	QTY.	DESCRIPTION
18	3022054	1	BLOCK, thrust, adjusting
19	3022111	1	SCREW, adjusting, block
20	3022112	1	NUT, adjusting screw
21	3043361	1	CARRIER ASSEMBLY, differential (Includes carrier cap and items 22, 23, 25 and 38)
22	3036708	4	CAPSCREW (Special) 7/8" NS x 5-1/2"
23	3036709	4	WASHER (Special) 7/8"
24	3001085	2	WIRE, locking, 16 Ga. x 17"
	904224	1	PLUG, pipe, countersunk, 3/4" NPT
25	3022314	4	PIN, dowel, differential cap
26	3043362	1	DIFFERENTIAL ASSEMBLY (Includes 1 CASE ASSEMBLY 3043363 items 29, and 32 thru 36)
27	3043363	1	CASE ASSEMBLY (2 halves-plain and flange) differential (Serviced only as a unit)
28	3051819	12	BOLT, case
	3038206	12	WASHER, bolt, case
	3036714	12	NUT, bolt case
	3046524	6	WIRE, locking
29	3038204	4	BOLT, differential case, short
	3038205	8	BOLT, differential case, long
	3038206	12	WASHER, differential bolt
	3036714	12	NUT, differential bolt
	3007380	4	WIRE, locking, 16 Ga. x 12"
30	3032792	2	CUP, bearing (Order both cup and cone)
31	3032914	2	CONE, bearing (Order both cup and cone)
32	3024221	2	WASHER, thrust, side gear
33	3038203	2	GEAR, bevel
34	3043365	4	WASHER, thrust pinion
35	3043364	4	PINION, differential
36	3043368	1	SPIDER, pinion
37	3032793	2	RING, adjusting, bearing
38	3043369	2	PIN, cotter (Heavy duty)



AXLE HOUSING ASSEMBLY
(Front Axle)

T-31408

ITEM	PART NO.	QTY.	DESCRIPTION
1	3010347	4	BUSHING, axle housing
2	3032165	2	SPACER, bushing
3	3021062	1	BREATHER, oil
4	3047873	1	HOUSING ASSEMBLY, front axle (Includes 1 PLUG 907072, 1 PLUG 901667, and items 1, 2, 5 and 6)
5	3043919	8	STUD, short
6	3022115	6	STUD, long
	3028093	14	WASHER
	3028047	14	NUT, 1/2" NF
	901667	1	PLUG, pipe, 1-1/4" NPT (Oil drain)
	907072	1	PLUG, pipe (Oil filler)
7	3032687	1	GASKET, carrier to housing



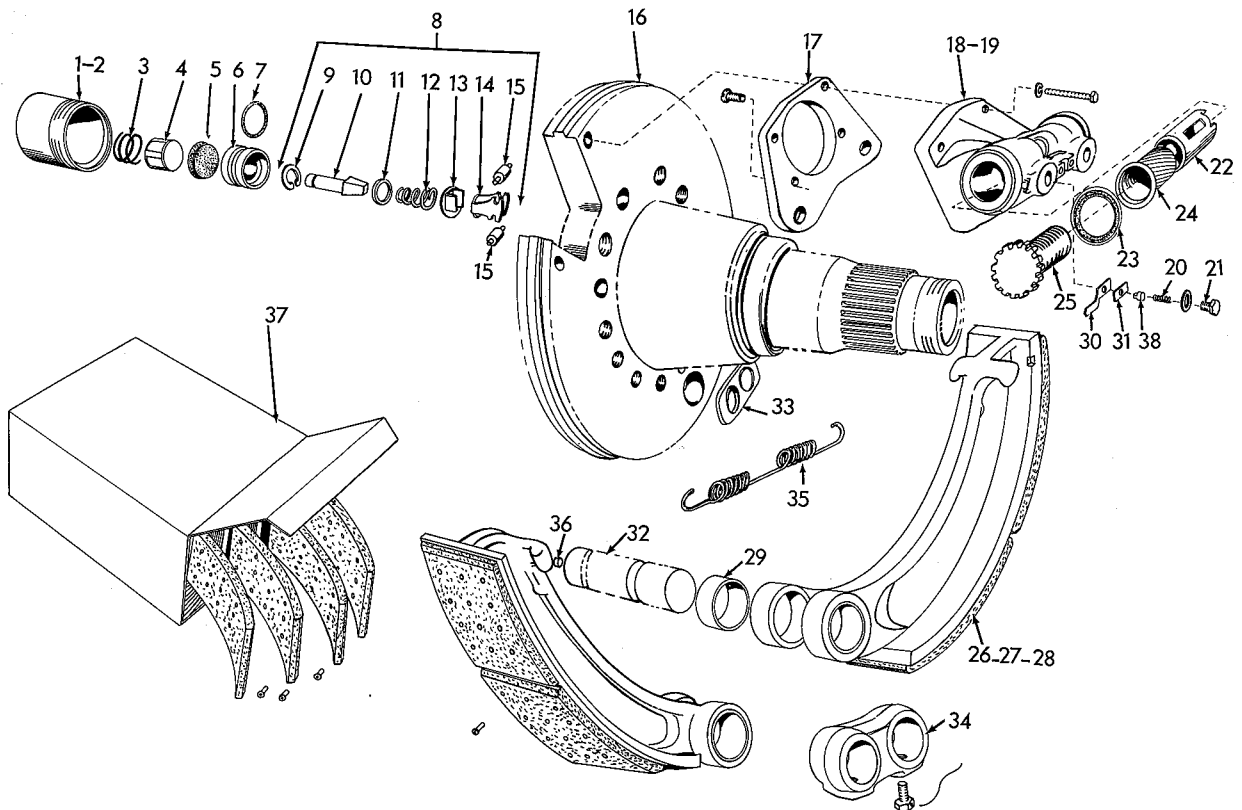
SHAFT AND HUB
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3038212	2	COVER ASSEMBLY (Includes item 3)
	3048407	16	CAPSCREW, planetary cover
	904208	16	LOCKWASHER, 1/2"
	904224	2	PLUG, pipe, square socket, 3/4" NPT
2	3038233	2	GASKET, spider cover
3	3022076	2	BUTTON, thrust
4	3040830	6	SHAFT, planetary pinion
5	3040835	2	SPIDER, planetary
	3022110	78	CAPSCREW, planetary cover
	904208	78	LOCKWASHER, 1/2"
6	3038231	2	RING, snap, planetary sun gear
7	3040831	2	GEAR, planetary sun
8	3038279	2	WASHER ASSEMBLY, sun gear (Includes item 9)
9	3038278	4	PIN, washer assembly
10	3038225	2	LOCK, nut, adjusting
	3038213	4	CAPSCREW
	3022108	2	WIRE, locking
11	3038226	2	NUT, adjusting, bearing
12	3040833	2	GEAR, planetary ring
13	3040834	2	HUB, ring gear
14	3038224	8	LOCK, planetary ring gear
	3022117	16	CAPSCREW, lock
	3022108	8	WIRE, locking
15	3038216	2	CONE, hub (Order both cup and cone)
16	049487	4	CUP, hub (Order both cup and cone)
17	3038218	2	O-RING, planetary to spider
18	3038221	2	HUB ASSEMBLY (Includes item 16)
	3038220	46	STUD, wheel
	3007152	46	NUT
	3022116	2	PLUG, oil drain
19	3040827	6	WASHER, pinion thrust, inner
20	3040832	6	PINION, planetary
21	3040828	6	WASHER, pinion thrust, outer
22	051998	2	CONE, hub bearing inner (Order both cup and cone)
23	3038227	4	WASHER, oil seal
24	3047874	2	SEAL, oil
25	3038232	2	RING, snap

(Continued)

SHAFT AND HUB (Continued)
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
26	3038246	2	SLEEVE, hub
27	3038242	2	SLINGER, oil
28	3038234	2	DRUM, brake
	3038219	24	CAPSCREW (Special)
	3024892	2	WIRE, locking
29	-----	2	BRAKE ASSEMBLY (See page 131 for parts)
30	3038223	2	SEAL, oil
31	3047875	2	SPINDLE ASSEMBLY (Includes items 26, 30, 34 and 35)
	3047876	4	BOLT, spindle housing
	3047877	16	BOLT, spindle housing
	3047878	4	BOLT, spindle housing
	3028413	20	NUT, spindle housing
32	923594	2	O-RING, sealing, spindle to axle housing
33	3047871	2	SHAFT, axle
34	3038244	4	RING, snap, brake anchor
35	3038245	4	PIN, brake anchor
	914465	2	FITTING, lubricating, straight, 1/8" NPT



BRAKE ASSEMBLY
(Front Axle)
130

T-73143

BRAKE ASSEMBLY
(Front Axle)

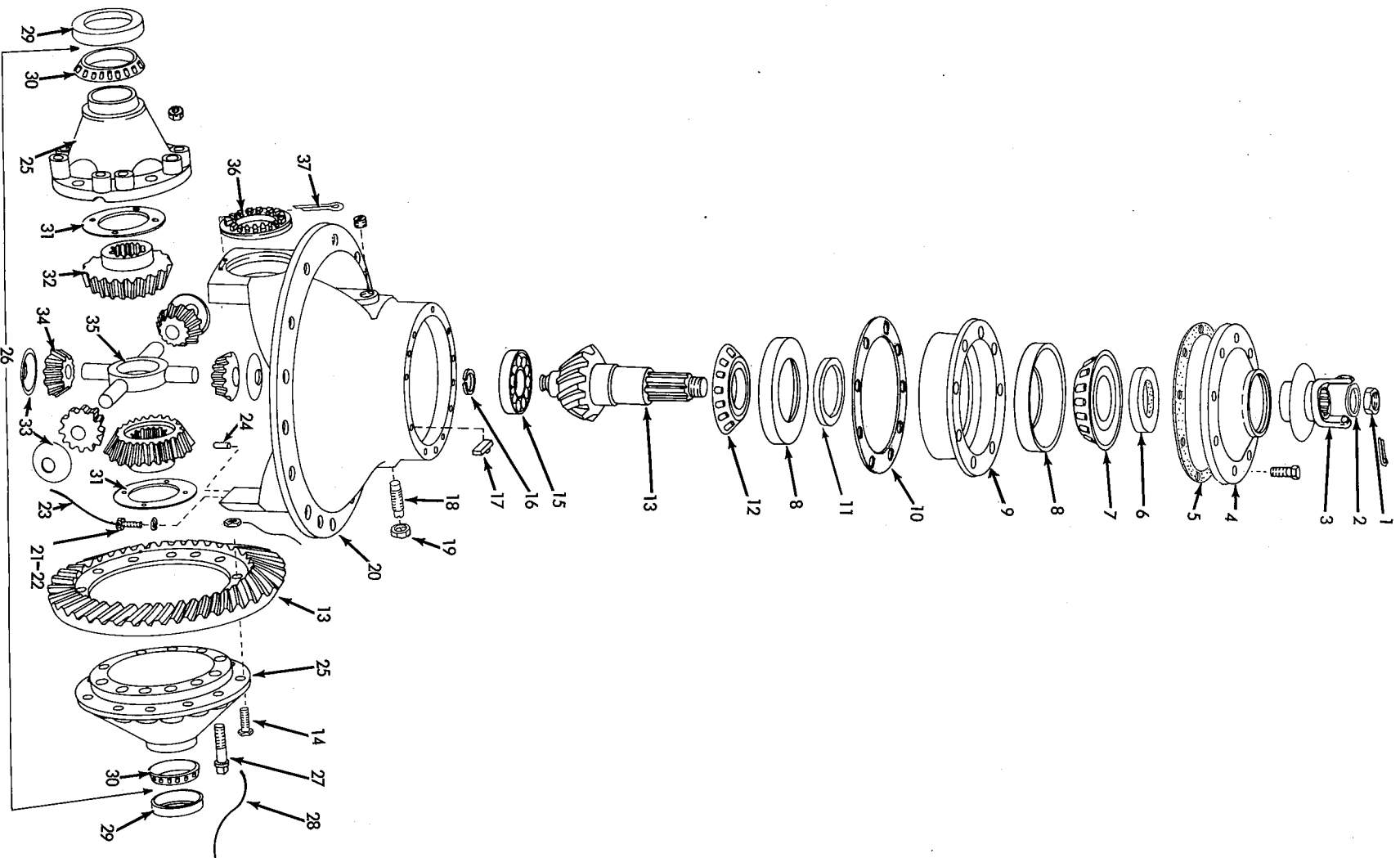
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: Quantities indicated are for one (1) brake assembly only.			
1	3047884	1	WHEEL CYLINDER ASSEMBLY (Includes items 2 thru 6)
2	-----	1	HOUSING, wheel cylinder (Not serviced, order item 1)
3	3048029	1	SPRING
4	3048028	1	PLUG
5	3048027	1	CUP
6	3048026	1	PISTON ASSEMBLY (Includes item 7)
7	3048030	1	O-RING
8	3047883	1	WEDGE ASSEMBLY (Includes items 9 thru 15)
9	3048023	1	WASHER, "C"
10	3048018	1	WEDGE
11	3048022	1	WASHER, return spring
12	185239	1	SPRING, wedge return
13	3048024	1	WASHER
14	3048019	1	CAGE, roller retaining
15	3048020	2	ROLLER
16	-----	1	SPINDLE ASSEMBLY (See SHAFT AND HUB GROUP)
17	3047893	1	PLATE, adapter
	922526	2	BOLT, 1/2" NC x 2-1/2"
	904208	2	LOCKWASHER, 1/2"
18	3047892	1	HOUSING ASSEMBLY, actuator (Includes items 19 thru 25 and 38)
	900189	2	SCREW
	910948	1	LOCKBOLT
19	3047895	1	HOUSING
20	189314	2	SPRING
21	3048017	2	CAPSCREW
22	3047896	2	PLUNGER, adjusting (Prior to serial #1004 also order items 23 and 24)
23	3047898	2	SEAL ASSEMBLY (Prior to serial #1004 also order items 22 and 24)
24	3048850	2	ACTUATOR (Prior to serial #1004 also order items 22 and 23)
25	3047897	2	BOLT, adjusting
26	3047881	2	SHOE ASSEMBLY, brake (Includes items 27 thru 31)

(Continued)

BRAKE ASSEMBLY (Continued)
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
27	----- 918627	2 52	LINING, brake (See item 37) RIVET, brake lining
28	-----	2	SHOE, brake (Not serviced, order item 26)
29	3008338	4	BUSHING
30	189310	4	DETENT
31	3048791	2	LOCK
32	-----	2	ANCHOR PIN, brake shoe (See item 35, page 128)
33	3047880	1	SPACER, anchor pin
34	3038254 3038251 3038250	1 2 1	LINK, anchor pin LOCKSCREW LOCKWIRE
35	3008326	1	SPRING, shoe return
36	185245	1	PLUG
37	3048787	1	LINING KIT (Consists of linings and 104 RIVETS 918627) (Lining kit for complete axle)
38	3047899	2	GUIDE

MEMO



DIFFERENTIAL CARRIER ASSEMBLY 3048428

DIFFERENTIAL CARRIER ASSEMBLY 3048428
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
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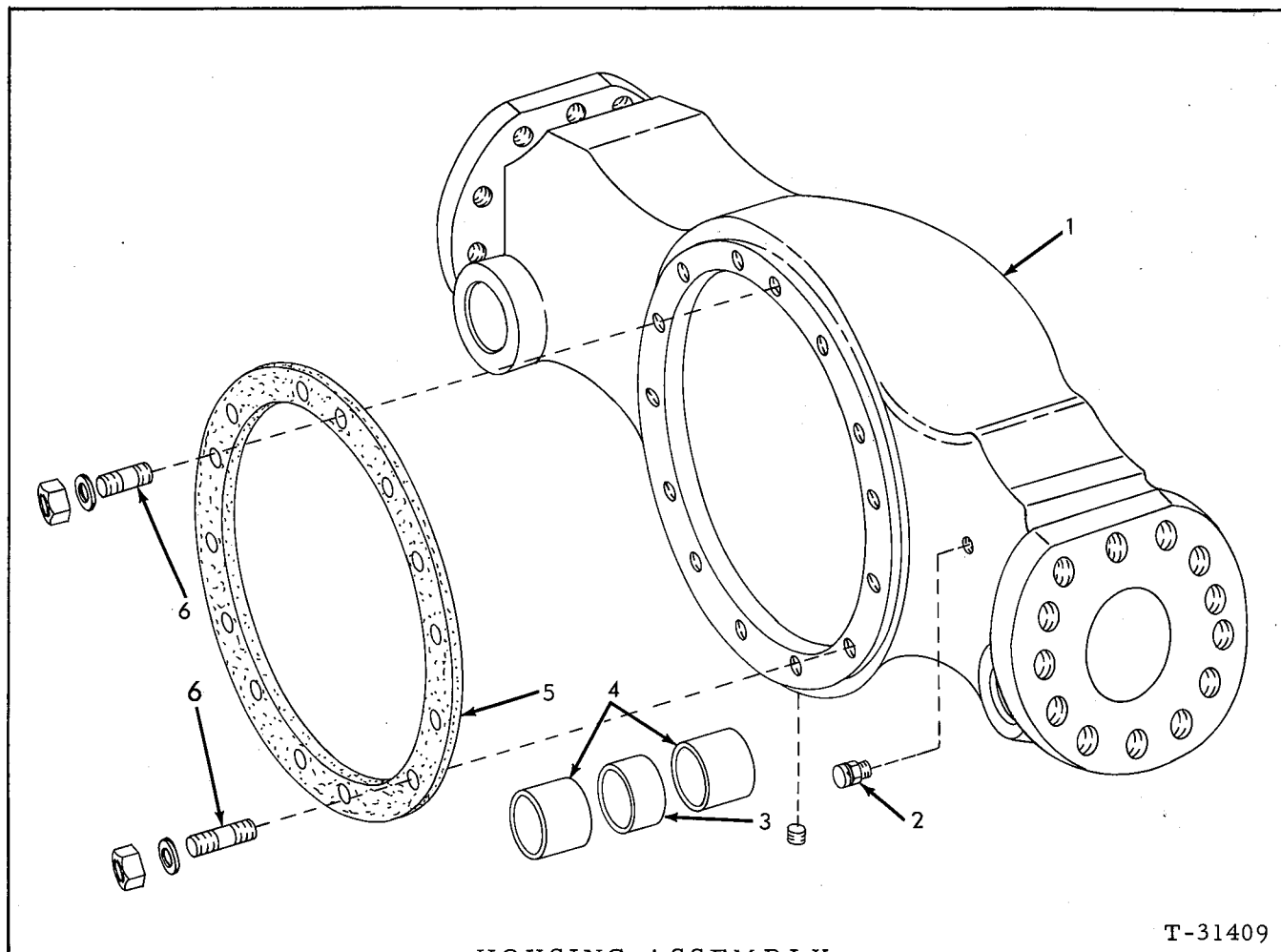
NOTE: See page 123 for listing of complete Assembly.

1	3048482	1	NUT, yoke assembly
2	3022056	1	WASHER, plain
	904003	1	PIN, cotter, 1/8" x 2-1/2"
3	3048480	1	YOKE ASSEMBLY (Serviced only as a unit)
4	3048473	1	COVER ASSEMBLY, bearing cage (Includes item 6)
	920583	8	CAPSCREW, 1/2" NF x 1-1/2"
	904224	1	PLUG, oil filler, ctsk. hd., 3/4" NPT
5	3048481	1	GASKET, cover, bearing cage
6	3048734	1	SEAL, oil
7	3048485	1	CONE, bearing, outer (Order both cup and cone)
8	3048735	2	CUP, bearing (Order both cup and cone)
9	3048474	1	CAGE ASSEMBLY, pinion bearing (Includes item 8)
10	3048476	1	SHIM (.010" thick. Use as req'd)
	3048477	1	SHIM (.020" thick. Use as req'd)
	3048478	1	SHIM (.003" thick. Use as req'd)
11	3048486	-	SPACER (.220" thick. Use as req'd)
	3048487	-	SPACER (.221" thick. Use as req'd)
	3048488	-	SPACER (.222" thick. Use as req'd)
	3048489	-	SPACER (.223" thick. Use as req'd)
	3048490	-	SPACER (.224" thick. Use as req'd)
	3048491	-	SPACER (.225" thick. Use as req'd)
	3048492	-	SPACER (.231" thick. Use as req'd)
	3048493	-	SPACER (.237" thick. Use as req'd)
	3048494	-	SPACER (.243" thick. Use as req'd)
	3048732	-	SPACER (.249" thick. Use as req'd)
	3048733	-	SPACER (.255" thick. Use as req'd)
12	3048484	1	CONE, bearing inner (Order both cup and cone)
13	3043856	1	GEAR ASSEMBLY, pinion (Includes drive pinion matched set) (Serviced only as a unit)
14	3051816	12	BOLT, case
	3036714	12	NUT, bolt, case
	3046524	6	WIRE, locking
15	3022162	1	BEARING, drive, pinion
16	3033029	1	RING, lock
17	3022054	1	BLOCK, thrust

(Continued)

DIFFERENTIAL CARRIER ASSEMBLY 3048428 (Continued)
(Rear Axle)

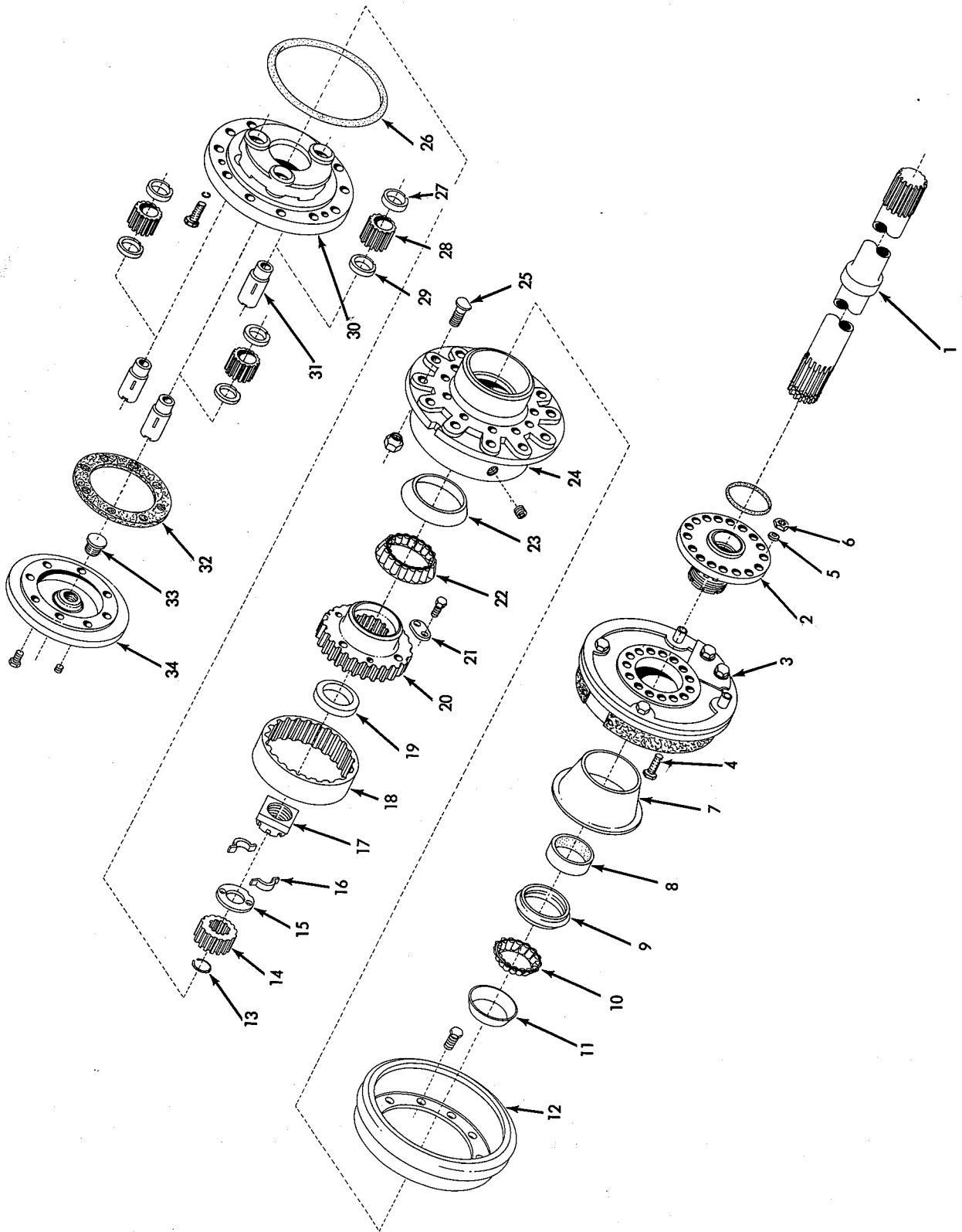
ITEM	PART NO.	QTY.	DESCRIPTION
18	3022111	1	SCREW, thrust block
19	3022112	1	NUT, adjusting
20	3048467	1	CARRIER ASSEMBLY (Includes 21, 22, 24 and 37)
21	3036708	4	CAPSCREW
22	3036709	4	WASHER
23	3048475	2	WIRE, locking
24	3022314	4	PIN, dowel
25	3048468	1	CASE ASSEMBLY, differential (2 halves-plain and flanged) (Serviced only as a unit)
26	3048470	1	DIFFERENTIAL ASSEMBLY (Includes items 25, 27, 28, 30 thru thru 35)
27	3022102	4	BOLT, differential case, short
	3022101	8	BOLT, differential case, long
28	3043186	12	NUT
	3007380	4	WIRE, locking
29	3048469	2	CUP, bearing (Order both cup and cone)
30	3048483	2	CONE, bearing (Order both cup and cone)
31	3022397	2	WASHER, thrust
32	3022030	2	GEAR, side
33	3022029	4	WASHER, thrust
34	3022032	4	GEAR, pinion
35	3022031	1	SPIDER, pinion
36	3048471	2	RING, adjusting, bearing
37	3037174	2	PIN, cotter, adjusting ring



HOUSING ASSEMBLY
(Rear Axle)

T-31409

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048430	1	HOUSING ASSEMBLY, rear axle (Includes 1 PLUG, 901667, 1 PLUG 907072, items 3, 4 and 6)
	901667	1	PLUG, pipe 1-1/4" NPT (Oil-drain)
	907072	1	PLUG, pipe (Oil filler)
2	3007145	1	BREATHER, oil
3	3021840	2	SPACER, bushing
4	3021833	4	BUSHING, axle support
5	3032687	1	GASKET, carrier housing
6	3048771	4	STUD, long } Carrier to Housing
	3043919	10	
	3048412	14	WASHER
	3028047	14	NUT



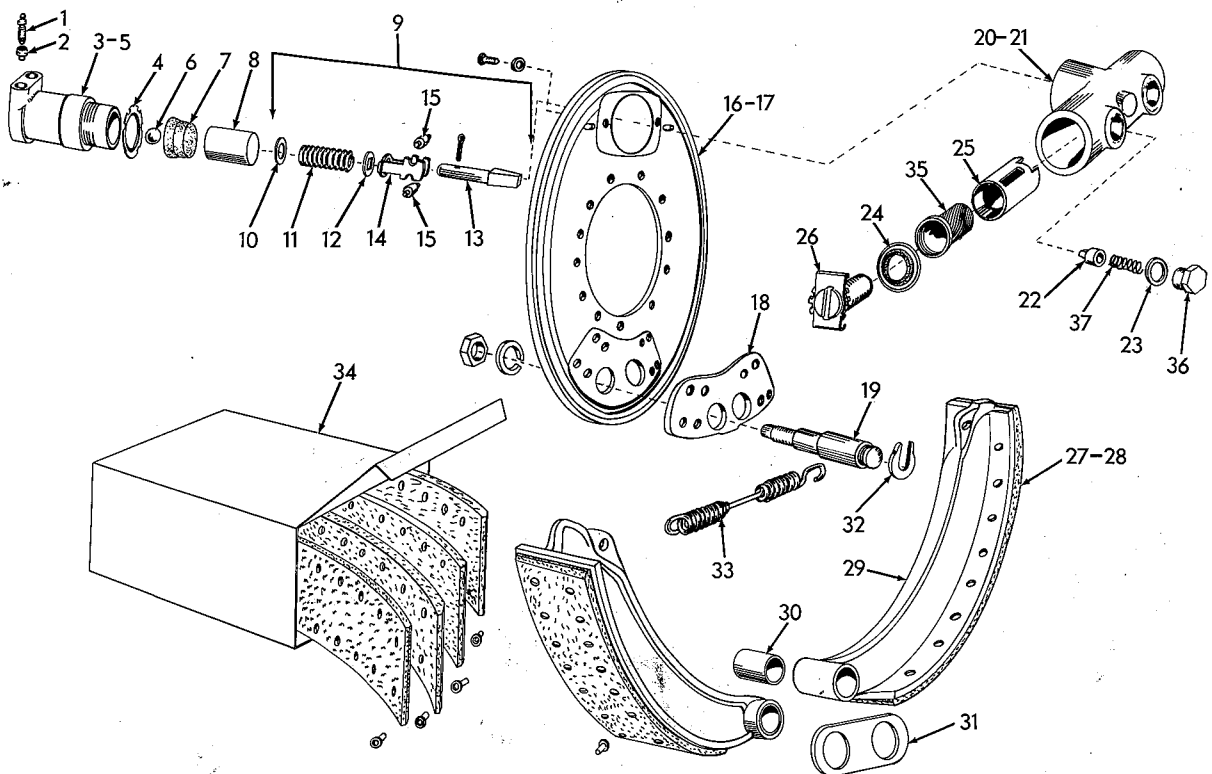
SHAFT AND HUB
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048432	2	SHAFT, drive, axle
2	3027632	2	SPINDLE
	923590	2	O-RING, sealing
3	-----	2	BRAKE ASSEMBLY (See page 141 for parts)
4	3028036	28	CAPSCREW, 5/8" NF x 3-1/2" alloy H. T.
5	912900	28	WASHER
6	3028047	28	NUT (Special)
7	3022088	2	SLINGER, oil
8	3022066	2	SEAL, oil
9	3022067	2	RETAINER ASSEMBLY, oil seal (Includes item 8)
10	3014571	2	CONE, bearing (Order both cup and cone)
11	3022062	2	CUP, bearing (Order both cup and cone)
12	3048433	2	DRUM, brake
	3026068	20	CAPSCREW, drilled-hd., 5/8" NC x 1-1/2"
	3024892	2	WIRE, locking #16 Ga. x 50"
13	3022074	2	RING, snap
14	3022083	2	GEAR, sun (20 teeth)
15	3022070	2	WASHER, sun gear
16	3022077	4	RETAINER, locking, nut
17	3022122	2	NUT, hub retaining
18	3022082	2	GEAR, ring (52 teeth)
19	-----	2	SLEEVE, hub, ring gear (Not serviced, order 3022086)
20	3022086	2	HUB ASSEMBLY, ring gear (Includes item 19)
21	3022069	8	LOCK
	3022117	16	CAPSCREW (Special)
	3022108	8	WIRE, locking, 16 Ga. x 6"
22	3022064	2	CONE, bearing (Order both cup and cone)
23	3022061	2	CUP, bearing (Order both cup and cone)
24	3048434	2	HUB ASSEMBLY, wheel (Includes items 11 and 23)
	3022116	2	PLUG, magnetic, 3/4" NPT (Oil filler)
25	3022121	22	STUD, wheel attaching
	3007152	22	NUT, locking
26	3036692	2	O-RING, hub to spider
27	3040365	6	WASHER, inner, pinion gear
28	3022084	6	GEAR, pinion
29	3022071	6	WASHER, outer, pinion gear

(Continued)

SHAFT AND HUB (Continued)
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
30	3026076	2	SPIDER
	3022110	32	CAPSCREW, 1/2" NC x 1-5/8"
	904208	32	LOCKWASHER, 1/2"
31	3040493	6	SHAFT, pinion gear
32	3022079	2	GASKET, cover to spider
33	3022076	2	BUTTON, thrust
34	3026067	2	COVER ASSEMBLY (Includes item 31)
	3048405	16	CAPSCREW (Jay-Lock)
	907070	2	PLUG, pipe countersunk-hd., 1/4" NPT (Oil level)



BRAKE ASSEMBLY
(Rear Axle)

T-73144

BRAKE ASSEMBLY
(Rear Axle)

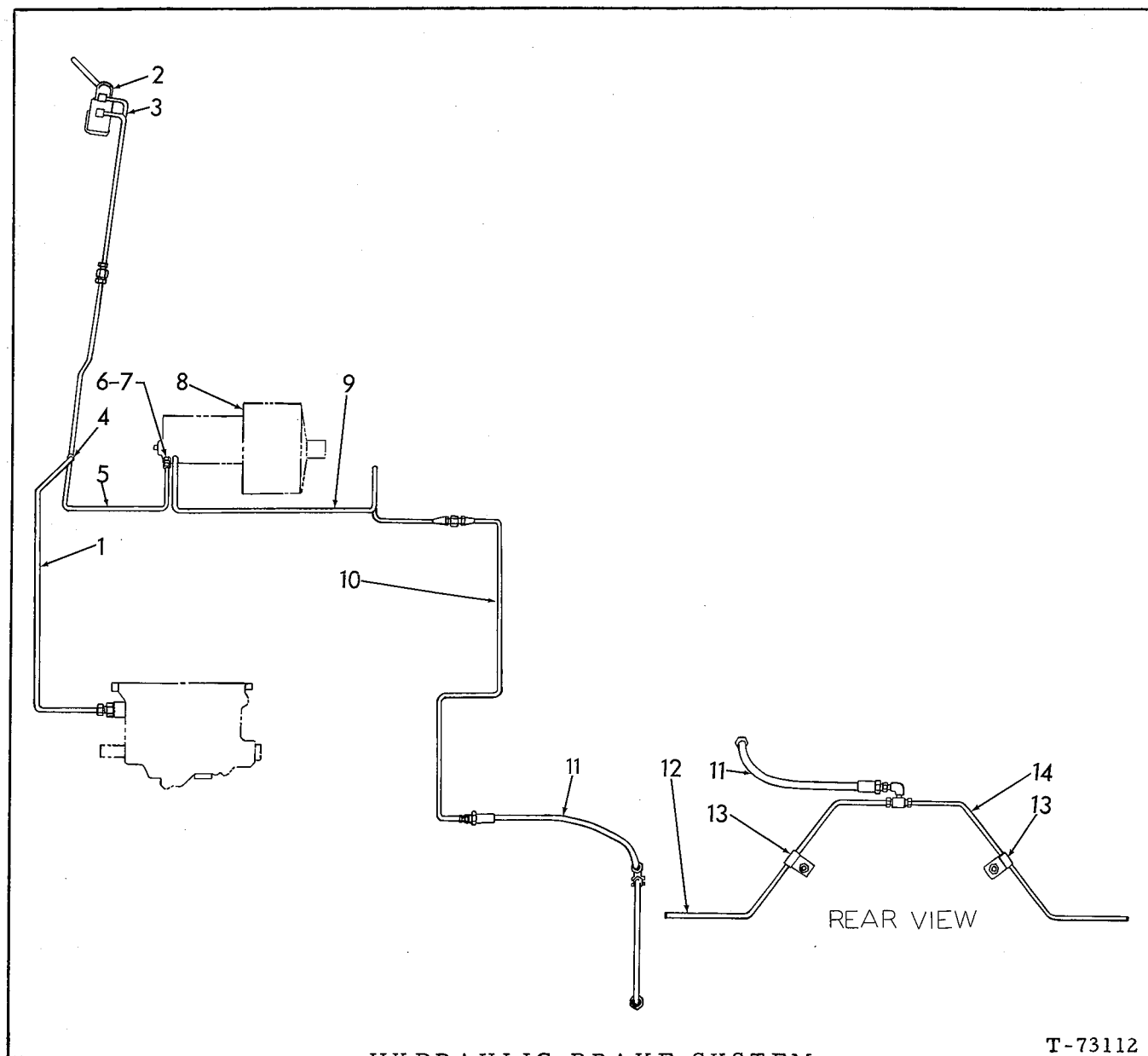
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: Quantities indicated are for one (1) brake assembly only.			
1	3048464	1	SCREW, bleeder
2	3048465	1	SEAT, tube
3	3048456	1	WHEEL CYLINDER ASSEMBLY (Includes items 5 thru 8)
4	3048466	1	NUT, spanner
5	-----	1	HOUSING, wheel cylinder (Not serviced order item 3)
6	3048459	1	BALL, spacer
7	3048460	1	CUP
8	3048458	1	PISTON
9	3048443	1	WEDGE ASSEMBLY (Includes items 10 thru 15)
10	3048449	1	WASHER, wedge return
11	3048448	1	SPRING, wedge return
12	3048447	1	WASHER, wedge retainer
13	3048444	1	WEDGE
	900801	1	PIN, cotter
14	3048446	1	CAGE, roller
15	3048445	2	ROLLER
16	-----	1	BACKING PLATE ASSEMBLY (Includes items 17 and 18)
17	3048438	1	PLATE, backing
18	3048439	1	BRACKET, anchor
	913569	8	RIVET, 3/8" x 1-1/4"
19	3048462	2	PIN, anchor
	910365	2	NUT, 7/8" NF
	905347	2	LOCKWASHER, 7/8"
20	3048450	1	HOUSING ASSEMBLY, actuator (Includes items 21 thru 26 and 35 thru 37)
	3048463	2	CAPSCREW
	904208	2	LOCKWASHER, 1/2"
21	-----	1	HOUSING (Not serviced, order item 20)
22	3048455	2	GUIDE, plunger
23	3048736	2	GASKET, plunger guide
24	3048453	2	SEAL ASSEMBLY
25	3048452	2	PLUNGER, adjusting
26	3048454	2	BOLT, adjusting

(Continued)

BRAKE ASSEMBLY (Continued)
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
27	3048440	2	SHOE ASSEMBLY, brake (Includes items 28 thru 30)
28	----- 924988	2 32	LINING, brake (See item 34) RIVET, brake lining
29	-----	2	SHOE, brake (Not serviced, order item 27)
30	3027620	2	BUSHING
31	3027613	1	LINK, shoe supporting
32	3024764	2	WASHER, "C", shoe retaining
33	3048461	1	SPRING, shoe return
34	3048788	1	LINING KIT (Consists of 4 linings and 64 RIVETS) (Lining kit for complete axle)
35	3048851	2	ACTUATOR
36	3048852	2	CAPSCREW
37	3048853	2	SPRING

MEMO



HYDRAULIC BRAKE SYSTEM
(Rear Axle)

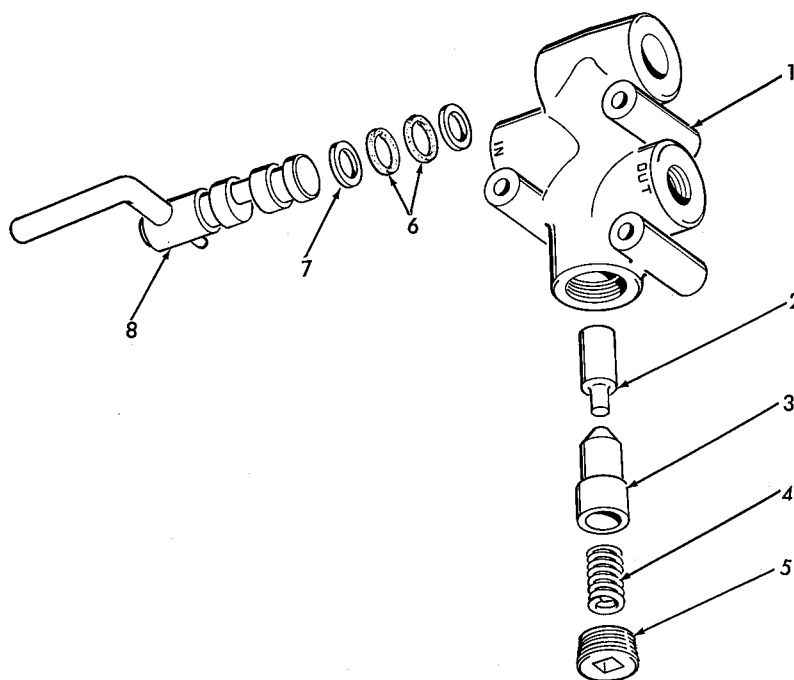
T-73112

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047235	1	TUBE ASSEMBLY, clutch cut-off to union
	913535	1	CONNECTOR, flare type, 1/4" tube, 1/8" NPT male
2	3012490	1	VALVE ASSEMBLY, clutch cut-off (See page 146 for parts)
	3012488	3	CAPSCREW, skt-hd., #10 NF x 2"
	904203	3	LOCKWASHER, #10
	910251	3	NUT, #10 NF
3	3047234	2	TUBE ASSEMBLY, clutch cut-off valve to union
	919982	2	UNION, inverted flare, 1/4" tube
	913704	2	ELBOW, flare type, 1/4" tube, 1/8" NPT
4	3038845	2	CLIP, tube supporting
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	904206	2	LOCKWASHER, 3/8"

(Continued)

HYDRAULIC BRAKE SYSTEM (Continued)

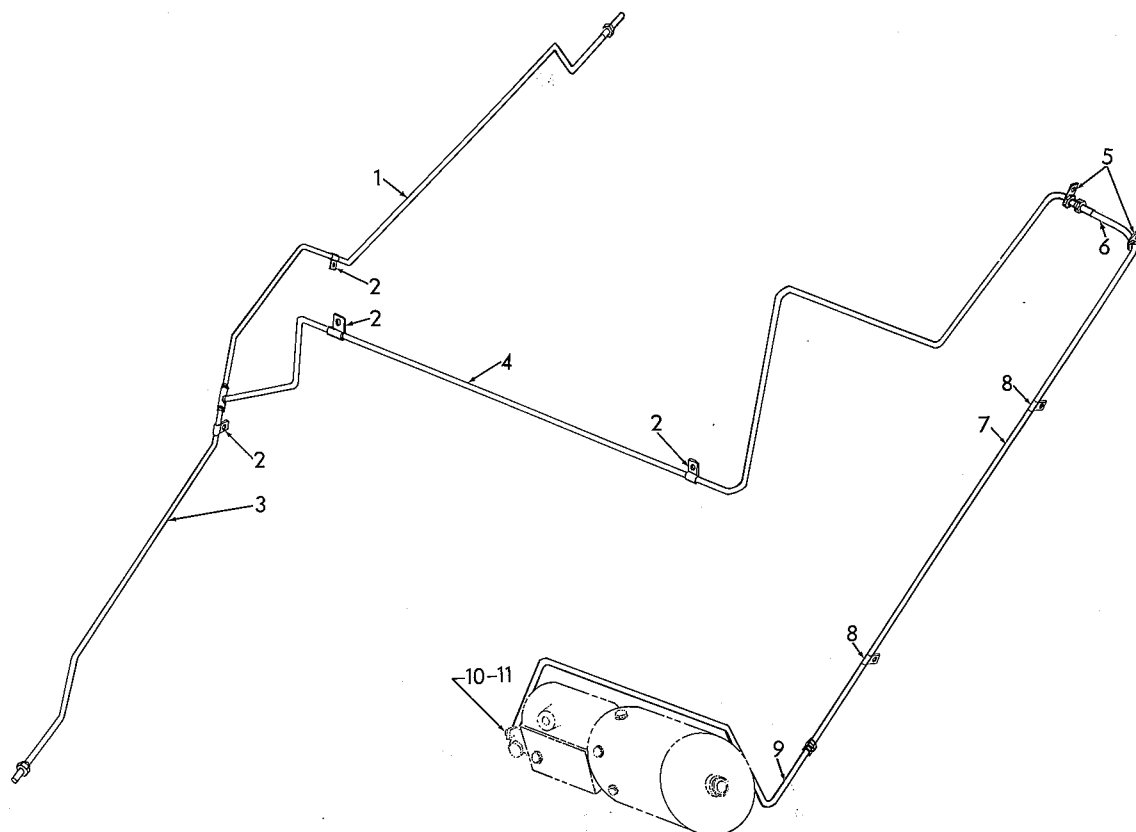
ITEM	PART NO.	QTY.	DESCRIPTION
5	3047233	1	TUBE ASSEMBLY, union to power cluster
6	3014873	2	CONNECTOR, male
7	3006797	2	WASHER, 1/2" I. D.
8	-----	-	SEE POWER CLUSTER PARTS
9	3048904	1	TUBE ASSEMBLY, power cluster to union
	919982	1	UNION, 1/4"
10	3048903	1	TUBE ASSEMBLY, union to hose
11	3047220	1	HOSE ASSEMBLY, tube to elbow (Crimped-type)
			(Serviced only as a unit)
	915842	1	ELBOW, flare type, 1/4" tube, 1/8" NPT female
	911049	1	NUT, 5/8" NF
12	3047238	1	TUBE ASSEMBLY, tee to wheel cylinder
	915841	1	TEE, flare type, 1/4" tube, 1/8" NPT male
13	3006769	2	CLIP, tube supporting
	910244	2	WASHER, plain, SAE std., 1/2"
14	3047237	1	TUBE ASSEMBLY, tee to wheel cylinder



T-29389

CLUTCH CUT-OFF VALVE 3012490

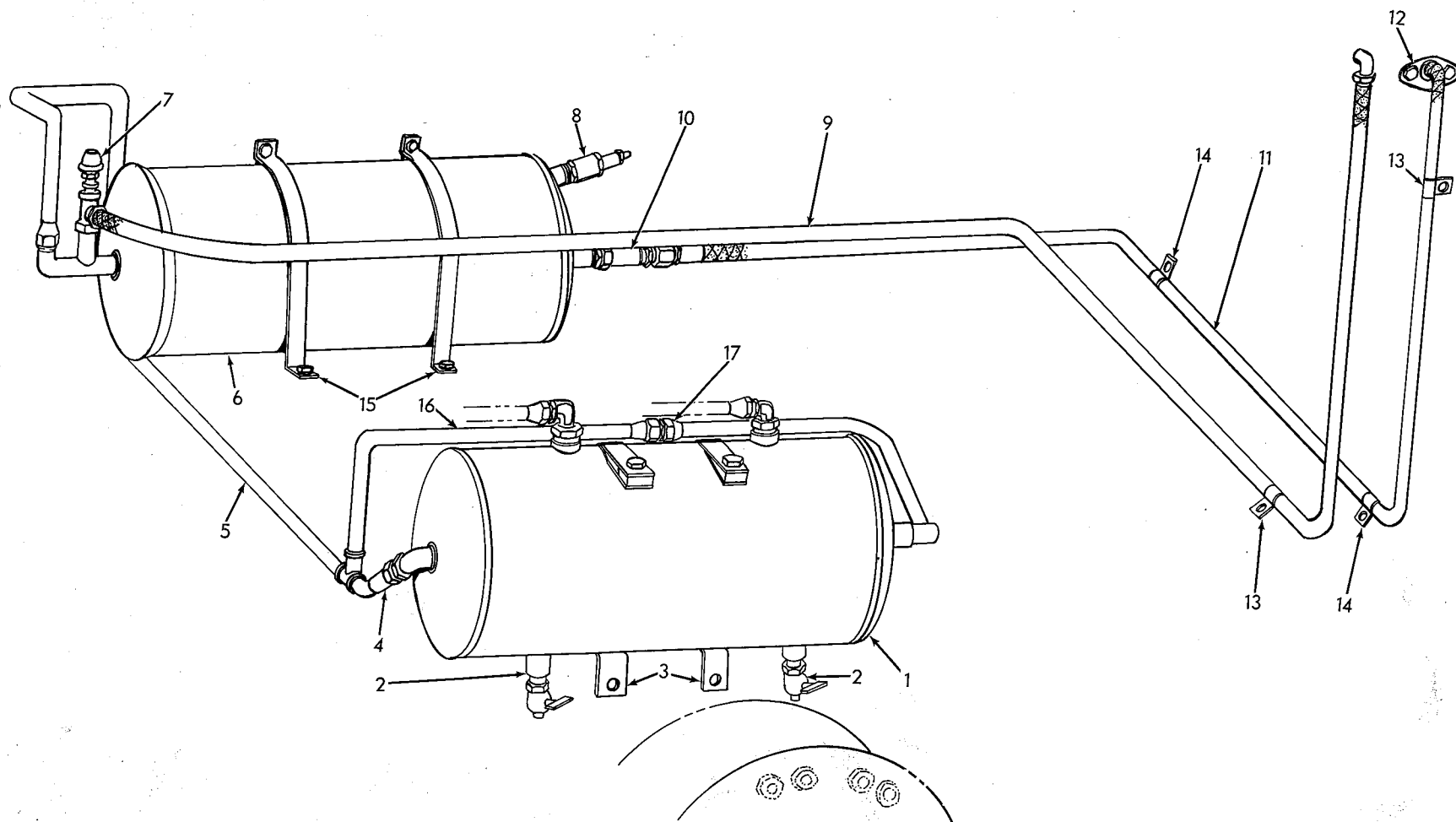
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 144 for listing of complete Assembly.			
1	-----	1	HOUSING (Not serviced separately)
2	3014044	1	FOLLOWER
3	3014043	1	PLUNGER
4	3014042	1	SPRING
5	907856	1	PLUG, pipe, ctsk., 3/8" NPT
6	923663	2	O-RING (Also order back-up ring)
7	3014045	2	RING, back-up (Also order o-ring)
8	3014046	1	CAM ASSEMBLY (Includes lever) (Serviced only as a unit)



T-73114

HYDRAULIC BRAKE LINES
(Front Section)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047228	1	TUBE ASSEMBLY, tee to wheel cylinder
	917585	1	TEE, 5/16" tube
2	3029843	4	CLIP, tube supporting
	923683	2	CAPSCREW, self-tapping, 3/8" NC x 3/4"
	911115	2	WASHER, plain, SAE std., 3/8"
	911049	2	NUT, 5/8" NF
3	3047227	1	TUBE ASSEMBLY, tee to wheel cylinder
4	3047229	1	TUBE ASSEMBLY, tee to hose
5	3046489	2	BRACKET, tube supporting
6	3046581	1	HOSE ASSEMBLY, hydraulic (Crimped-type) (Serviced only as a unit)
7	3047231	1	TUBE ASSEMBLY, hose to connector
	917484	1	CONNECTOR, tube, 5/16"
8	3038845	4	CLIP, tube supporting
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	904206	2	LOCKWASHER, 3/8"
9	3047245	1	TUBE ASSEMBLY, connector to power cluster
10	3006797	1	WASHER, outer (39/64" I.D.)
11	3006799	3	WASHER, inner (1/2" I.D.)



AIR TANKS AND LINES

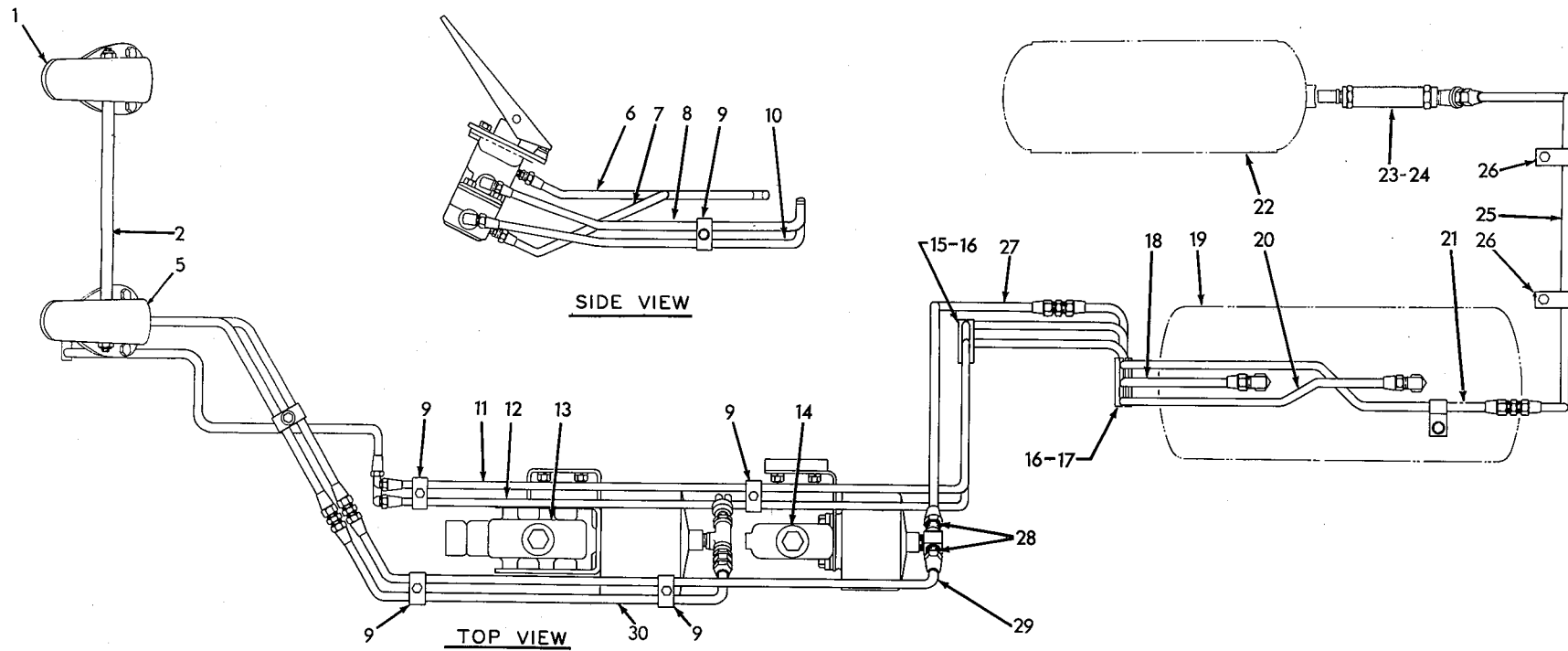
ITEM	PART NO.	QTY.	DESCRIPTION
1	3046822	1	TANK, air, dual
	901724	2	ELBOW, street, 90°, 1/2" NPT
2	3029259	2	COCK, drain, 1/4"
3	3047421	2	STRAP, tank support
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	923683	2	CAPSCREW, 3/8" NC x 3/4" (Self-tapping)
	904206	4	LOCKWASHER, 3/8"
4	3031609	2	VALVE, check
	915493	2	ELBOW, street, 45°, 1/2" NPT
	914087	1	TEE, service, 1/2" NPT
5	3047216	1	TUBE, dual tank to wet tank
	904271	1	BUSHING, reducing, 1/2" to 3/8"
	917354	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT
	912793	2	SLEEVE, compression type, 1/2"
	921189	2	NUT, compression type, 1/2"
	917370	1	ELBOW, 90°, flare type, 1/2" tube, 3/8" NPT
	913257	1	TEE, service, 3/8" NPT
6	3046823	1	TANK, air, wet
7	3031668	1	SWITCH, air pressure
	901838	1	BUSHING, reducing, 3/8" to 1/8"
	901715	1	TEE, cross, 3/8" NPT
	901489	1	NIPPLE, close, 3/8" NPT x 1"
8	160425	1	VALVE, safety
	901839	1	BUSHING, reducing, 1/2" to 1/4"
9	3047219	1	HOSE ASSEMBLY, governor to tank (Crimped-type) (Serviced only as a unit)
	901838	1	BUSHING, reducing, 3/8" to 1/8"
	914626	1	CONNECTOR, flare type, 1/4" tube, 1/8" NPT
	911435	1	SLEEVE, compression, 1/4"
	911437	1	NUT, compression, 1/4"
10	3031609	1	VALVE, check
	904271	1	BUSHING, reducing, 1/2" to 3/8"
	924816	1	CONNECTOR, flare type, 1/2" tube 1/4" NPT
11	3047218	1	HOSE ASSEMBLY, compressor to tank (Crimped-type) (Serviced only as a unit)
12	3029930	1	ADAPTER
	914392	2	CAPSCREW, 5/16" NC x 1"
	904205	2	LOCKWASHER, 5/16"
13	3006816	3	CLIP, hose supporting
	916309	1	CAPSCREW, 1/2" NC x 3/4"
	904208	1	LOCKWASHER, 1/2"
	915480	2	CAPSCREW, 3/8" NF x 1-3/4"
	904206	2	LOCKWASHER, 3/8"
14	3018302	2	CLIP, hose supporting
	916309	2	CAPSCREW
	904206	2	LOCKWASHER, 3/8"

(Continued)

AIR TANKS AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	3047423	2	STRAP, tank mounting
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	904206	4	LOCKWASHER, 3/8"
16	3047387	1	TUBE
	921579	1	ELBOW, compression type, 5/8" tube, 1/2" NPT
	919535	2	SLEEVE, compression, 5/8" tube
	921590	2	NUT, compression, 5/8" tube
	922299	1	CONNECTOR, compression 5/8" tube, 1/2" NPT
17	3047388	1	TUBE
	921587	1	UNION, compression, 1/2"
	919535	2	SLEEVE, compression, 1/2"
	921590	2	NUT, compression, 1/2"

MEMO



AIR BRAKE LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047506	1	TREADLE ASSEMBLY (Includes items 1, 3 and 6 on page 161)
	920622	3	CAPSCREW, 5/16" NF x 1"
	904205	3	LOCKWASHER, 5/16"
	913636	3	NUT, 5/16" NF
2	3050399	1	PIPE, formed
	916381	4	CAPSCREW, 3/8" NF x 3/4"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
5	3047507	1	AIR APPLICATION VALVE ASSEMBLY (See page 161 for parts)
	920622	3	CAPSCREW, 5/16" NF x 1"
	904205	3	LOCKWASHER, 5/16"
	913636	3	NUT, 5/16" NF
6	3047207	1	TUBE, air line, brake
	917354	1	CONNECTOR, compression, 1/2" tube 3/8" NPT male
	912793	2	SLEEVE, compression fitting, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
	919503	1	UNION, compression, 1/2" tube
7	3047209	1	TUBE, air line, brake
	917354	1	CONNECTOR, compression, 1/2" tube, 3/8" NPT male
	912793	2	SLEEVE, compression fitting, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
	919503	1	UNION, compression, 1/2" tube
8	3048876	1	TUBE, air line, brake
	917370	1	ELBOW, compression, 1/2" tube, 3/8" NPT
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
	919511	1	ELBOW, compression, 1/2" tube
9	3048511	12	CLAMP, half, tube supporting
	916383	1	CAPSCREW, 3/8" NF x 1-1/2"
	916385	5	CAPSCREW, 3/8" NF x 2"
	904206	6	LOCKWASHER, 3/8"
	911115	-	WASHER, plain, shim (Use as req'd)
10	3048875	1	TUBE, air line, brake
	917370	1	ELBOW, compression, 1/2" tube, 3/8" NPT
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
	919511	1	ELBOW, compression, 1/2" tube
11	3048878	1	TUBE, air line, brake
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
12	3048877	1	TUBE, air line, brake
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
13	3046820	1	POWER CLUSTER, 7" (See page 157 for parts)

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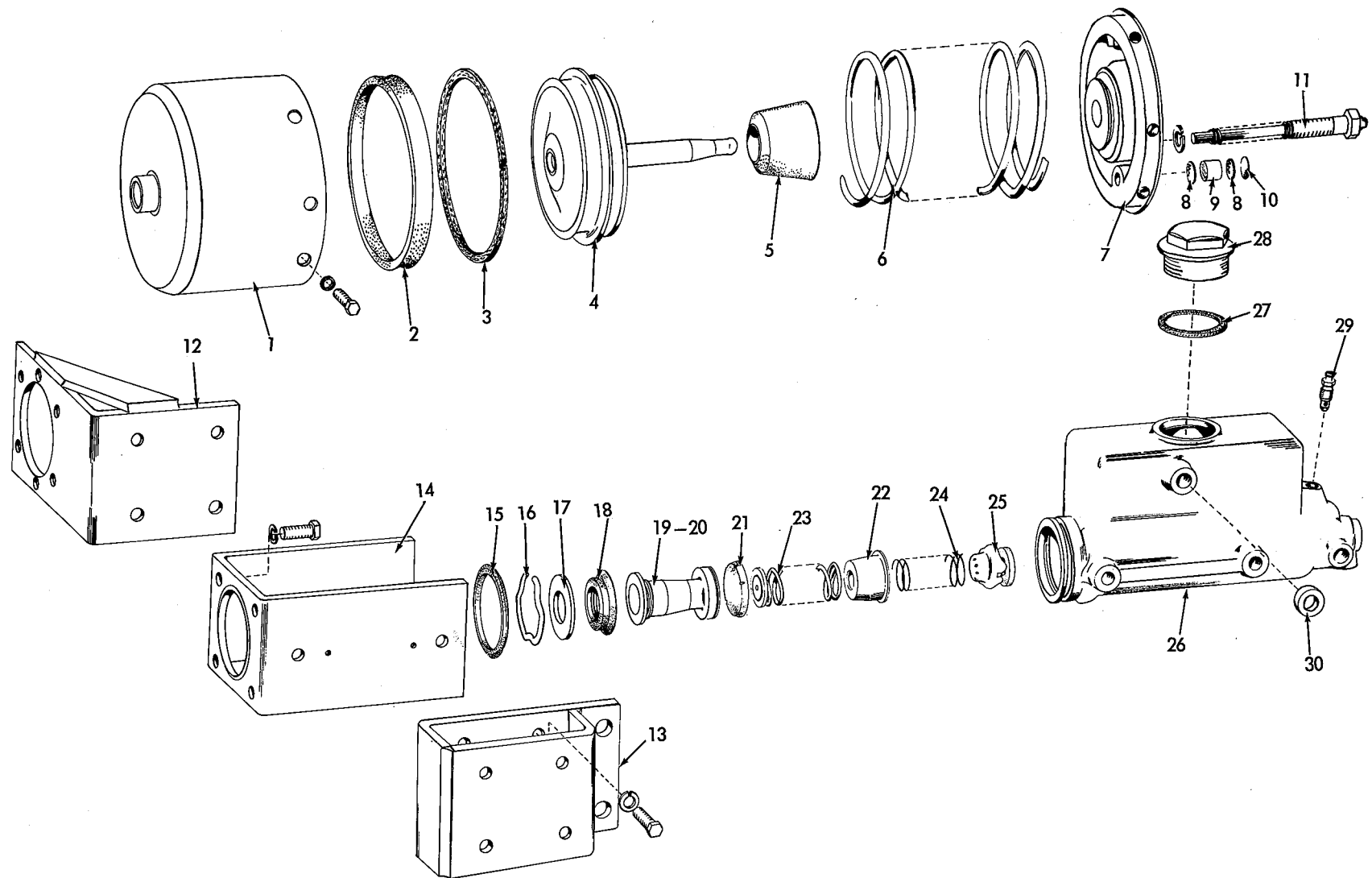
AIR BRAKE LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	3046821	1	POWER CLUSTER, 6" (See page 157 for parts)
15	3048511	2	CLAMP, tube supporting
	914847	1	CAPSCREW, 3/8" NC x 1-1/2"
	904206	1	LOCKWASHER, 3/8"
16	3002529	2	CLIP, tube supporting
17	3050087	2	CLAMP, tube supporting
	914847	1	CAPSCREW, 3/8" NC x 1-1/2"
	904206	1	LOCKWASHER, 3/8"
18	3048879	1	TUBE, air line, brake
	919511	1	ELBOW, compression, 1/2" tube
	912793	2	SLEEVE, compression, 1/2" tube
	921897	2	NUT, compression, 1/2" tube
	917370	1	ELBOW, compression, 1/2" tube
	904239	1	BUSHING, pipe, 3/4" to 3/8"
19	-----	-	See AIR TANK AND LINES
20	3048880	1	TUBE, air line, brake
	919511	1	ELBOW, compression, 1/2" tube
	912793	2	SLEEVE, compression, 1/2" tube
	921897	2	NUT, compression, 1/2" tube
	917370	1	ELBOW, compression, 1/2" tube
	904239	1	BUSHING, pipe, 3/4" to 3/8"
21	3048881	1	TUBE, air line, brake
	919503	2	UNION, compression, 1/2" tube
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
22	-----	-	See AIR TANK AND LINES
23	3029259	1	COCK, drain, 1/4"
	913938	1	TEE, service, 1/4"
24	3042858	1	DRAIN, automatic, tank
	901478	1	NIPPLE, close, 1/4" x 7/8" long
	914626	1	CONNECTOR, compression, 1/4" tube
	907058	1	ELBOW, 45°, street
25	3048894	1	TUBE, air line, brake
	924816	1	CONNECTOR, compression, 1/2" tube
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
	919503	1	UNION, compression, 1/2" tube
26	3006816	2	CLIP, tube supporting
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	904206	2	LOCKWASHER, 3/8"
27	3048895	1	TUBE, air line, brake
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube

(Continued)

AIR BRAKE LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	3014873	2	CONNECTOR
	919526	1	TEE, compress, 1/2" tube, 3/8" NPT
	3006797	2	WASHER, 1/2" O.D.
29	3047205	1	TUBE, air line, brake
	912793	2	CONNECTOR, compression, 1/2" tube
	921189	2	NUT, compression, 1/2" tube
30	3047208	1	TUBE, air line, brake
	901826	1	BUSHING, pipe, 3/8" to 1/4"
	901704	1	TEE, pipe 3/8" NPT
	901489	1	NIPPLE, pipe, 3/8" NPT x 1"
	917354	1	CONNECTOR, compression, 1/2" tube
	912793	2	SLEEVE, compression, 1/2" tube
	921189	2	NUT, compression, 1/2"



POWER CLUSTER PARTS

USAGE: * 6" Power Cluster Assembly part no. 3046821

** 7" Power Cluster Assembly part no. 3046820

ITEM	PART NO.	QTY.	DESCRIPTION
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* **

NOTE: See pages 153 and 154 for listing of complete Assembly.

-	3048282	1	-	CYLINDER ASSEMBLY, brake, air actuated (Includes items 1 thru 11)
-	3048285	-	1	CYLINDER ASSEMBLY, brake, air actuated (Includes items 1 thru 11)
-	3048283	1	-	CYLINDER ASSEMBLY, hydraulic (Includes items 16 thru 23, and 25 thru 28)
-	914847	2	-	CAPSCREW, 3/8" NC x 1-1/2"
-	904206	2	-	LOCKWASHER, 3/8"
-	3048291	-	1	CYLINDER ASSEMBLY, hydraulic (Includes items 16 thru 29, and 1 PLUG 901651)
-	903630	-	3	CAPSCREW, 3/8" NC x 1"
-	904206	-	3	LOCKWASHER, 3/8"
1	3048392	1	-	SHELL, air cylinder
	3048292	-	1	SHELL, air cylinder
2	3048393	1	-	CUP, piston
	3048293	-	1	CUP, piston
3	3048395	1	-	WIPER, air cylinder
	3048295	-	1	WIPER, air cylinder
4	3048394	1	-	ROD, piston
	3048294	-	1	ROD, piston
5	3048396	1	-	BOOT, piston
	3048296	-	1	BOOT, piston
6	3048397	1	-	SPRING, return, piston
	3048927	-	1	SPRING, return, piston
7	3048398	1	-	HEAD ASSEMBLY (Includes items 8 thru 10)
	3048298	-	1	HEAD ASSEMBLY (Includes items 8 thru 10)
	905661	8	8	CAPSCREW, 5/16" NC x 5/8"
	904205	8	8	LOCKWASHER, 5/16"
	901826	1	-	BUSHING, reducing, 3/8" NPT to 1/4" NPT
8	3048299	2	2	SCREEN, filter
9	3048300	1	1	FILTER, head
10	3048301	1	1	RETAINER, filter
11	3048399	1	-	INDICATOR ASSEMBLY, stroke (Serviced only as a unit)
	3048289	-	1	INDICATOR ASSEMBLY, stroke (Serviced only as a unit)
	904206	1	1	LOCKWASHER, 3/8"

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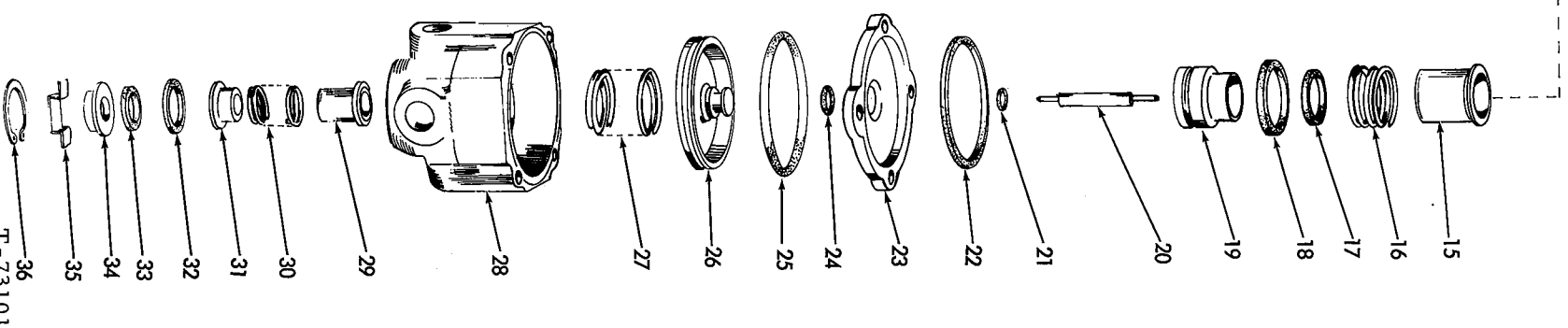
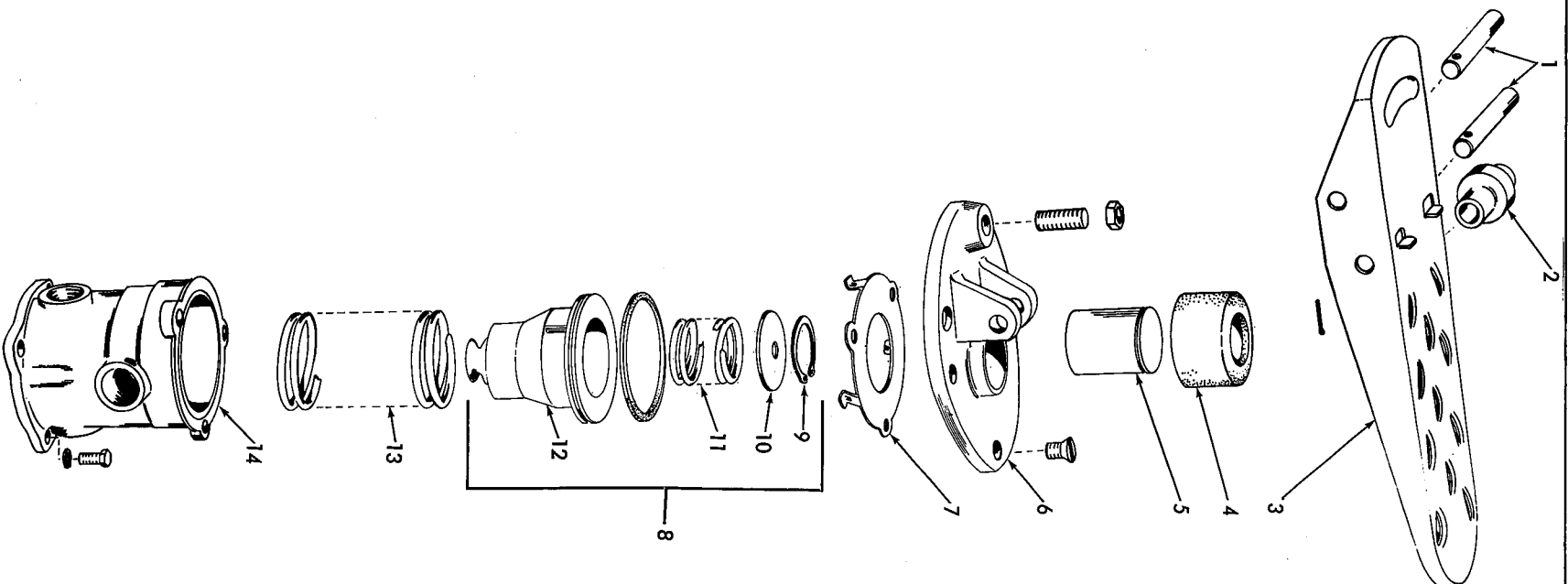
POWER CLUSTER PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
12	3048284	1	-	BRACKET, mounting
	914389	4	-	CAPSCREW, 3/8" NF x 1"
	904206	4	-	LOCKWASHER, 3/8"
	911041	4	-	NUT, 3/8" NF
13	3048286	-	1	BRACKET, cylinder mounting
	916183	-	2	CAPSCREW, 7/16" NF x 7/8"
	904207	-	2	LOCKWASHER, 7/16"
14	3048287	-	1	BRACKET, power cluster mounting
	912444	-	3	CAPSCREW, 7/16" NF x 1-1/4"
	904207	-	3	LOCKWASHER, 7/16"
15	3048290	-	1	RING, seal
16	{ 3014314	1	-	WIRE, retaining, piston stop plate
	{ 3048302	-	1	WIRE, retaining, piston stop plate
17	{ 3013937	1	-	PLATE, piston stop
	{ 3048303	-	1	PLATE, piston stop
18	{ 3014312	1	-	CUP, secondary piston
	{ 3048306	-	1	CUP, secondary piston
19	{ 3014311	1	-	PISTON ASSEMBLY (Includes items 18 and 20)
	{ 3048304	-	1	PISTON ASSEMBLY (Includes items 18 and 20)
20	{ -----	1	-	PISTON (Not serviced, order item 19)
	{ -----	-	1	PISTON (Not serviced, order item 19)
21	{ 3014310	1	-	CUP, primary
	{ 3021871	-	1	CUP, primary
22	{ -----	1	-	RETAINER, spring
	{ 3048309	-	1	RETAINER, spring
23	{ 3013940	1	-	SPRING, piston return
	{ 3048308	-	1	SPRING, piston return
24	3048310	-	1	SPRING, valve retainer
25	{ 3014309	1	-	VALVE ASSEMBLY, check (Includes seat) (Serviced only as a unit)
	{ 3048311	-	1	VALVE ASSEMBLY, check (Includes seat) (Serviced only as a unit)
26	{ -----	1	-	HOUSING, master cylinder (Not serviced, order HYDRAULIC CYLINDER ASSEMBLY)
	{ -----	-	1	HOUSING, master cylinder (Not serviced, order HYDRAULIC CYLINDER ASSEMBLY)
	901651	-	1	PLUG, drain

(Continued)

POWER CLUSTER PARTS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
27	{ 3006899	1 -	GASKET, filler plug
	{ 3048314	- 1	GASKET, filler plug
28	{ 3013941	1 -	PLUG, filler
	{ 3048313	- 1	PLUG, filler
29	3013146	- 1	SCREW, bleeder
30	3048288	- 2	SPACER, mounting
-	{ 3048400	1 -	REPAIR KIT, 6" power cluster (Includes 2, 3, 5, 19, 21, 25)
-	{ 3048401	- 1	REPAIR KIT, 7" power cluster (Includes 2, 3, 5, 19, 21, 25)



AIR APPLICATION VALVE ASSEMBLY 3047507

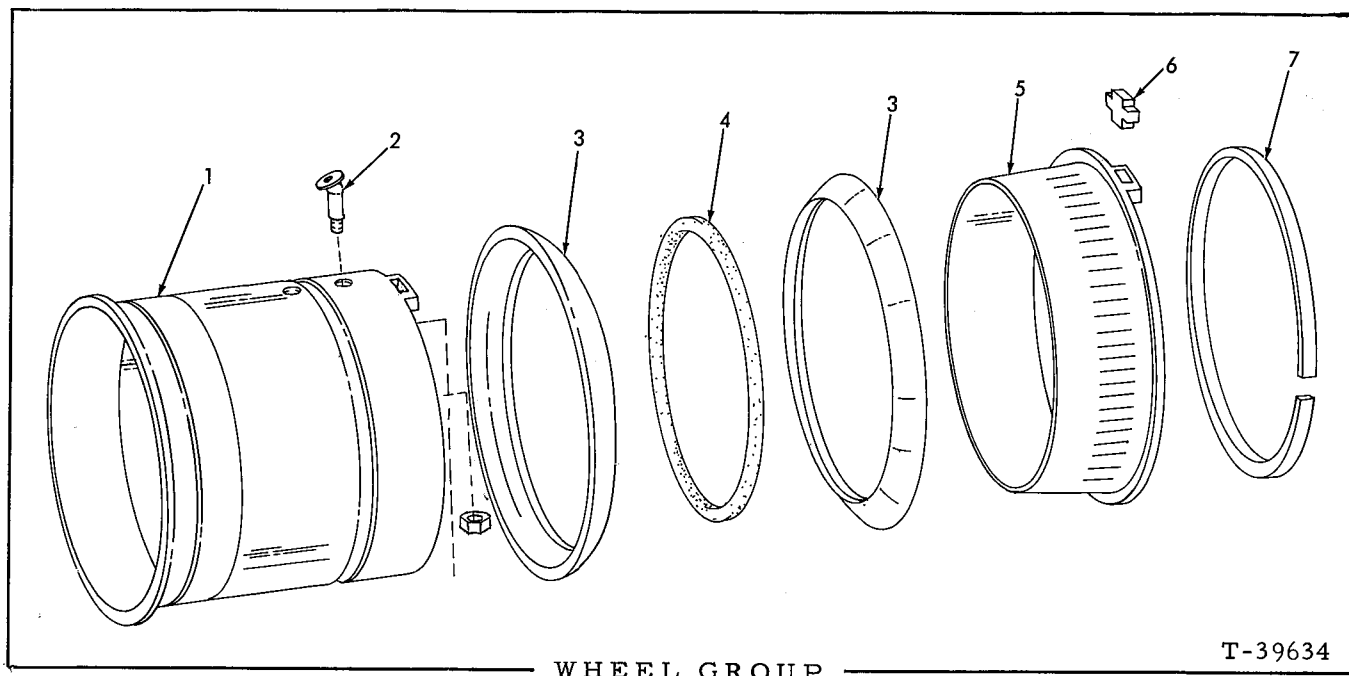
AIR APPLICATION VALVE ASSEMBLY 3047507

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 153 for listing of complete Assembly.			
1	3048322	2	PIN, pivot, treadle
2	3048319	1	ROLLER, treadle
3	3048317	1	TREADLE, brake
	910147	2	PIN, cotter, 3/32" x 1-1/8"
4	3048318	1	BOOT, plunger
5	3048321	1	PLUNGER, treadle
6	3048320	1	FLANGE, treadle mounting
	917462	1	CAPSCREW, socket-hd., 1/4" NC x 1-1/4"
	911327	1	NUT, 1/4" NC
	916523	3	SCREW, machine, flat hd., 5/16"
-	3048316	1	VALVE ASSEMBLY, brake (Includes items 7 thru 36)
7	3048338	1	RETAINER, spring
8	3048340	1	PISTON ASSEMBLY (Includes items 9 thru 12)
9	3048386	1	RING, snap
10	3048387	1	RETAINER, spring, metering
11	3048388	1	SPRING, metering
12	3048389	1	PISTON, primary metering
	923580	1	O-RING, primary piston
13	3048342	1	SPRING, return, primary piston
14	3048385	1	BODY, upper valve
	919351	4	CAPSCREW, 1/4" NC x 7/8"
	904204	4	LOCKWASHER, 1/4"
15	3048344	1	VALVE, primary inlet
16	3048345	1	SPRING, primary inlet
17	3048347	1	PACKING, primary valve guide
18	3048348	1	SEAL, primary valve
19	3048346	1	GUIDE, primary valve
20	3048343	1	ROD, push
21	3048350	1	O-RING, sealing, air passage
22	3048372	1	SEAL, cover, top
23	3048349	1	COVER, body
24	3048374	1	O-RING, secondary piston (small)
25	3048341	1	O-RING, secondary piston (large)
26	3048373	1	PISTON, secondary metering

(Continued)

AIR APPLICATION VALVE ASSEMBLY 3047507 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
27	3048376	1	SPRING, return, secondary piston
28	3048384	1	BODY, lower valve
29	3048383	1	VALVE, secondary inlet
30	3048382	1	SPRING, secondary inlet
31	3048381	1	GUIDE, spring
32	3048380	1	SEAL, guide
33	3048379	1	RETAINER, secondary seal
34	3048378	1	RETAINER, seal
35	3048377	1	SHIELD, exhaust
36	3048375	1	RING, snap
-	3048402	-	REPAIR KIT, valve (Includes items 4, 15, 17, 18, 21, 22, 24, 25, 29, 32, 33, and 1 o-ring 923580)

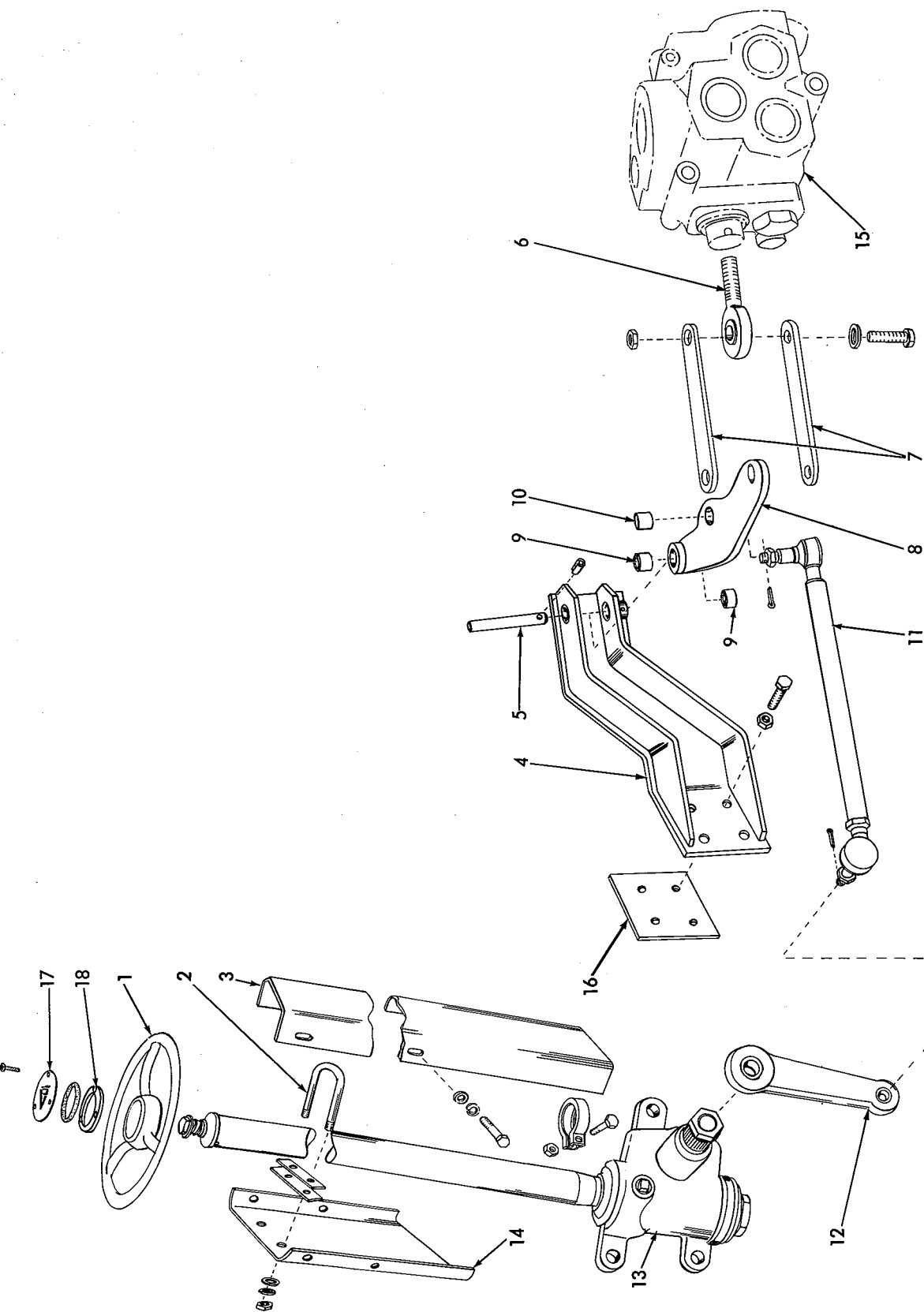


WHEEL GROUP

T-39634

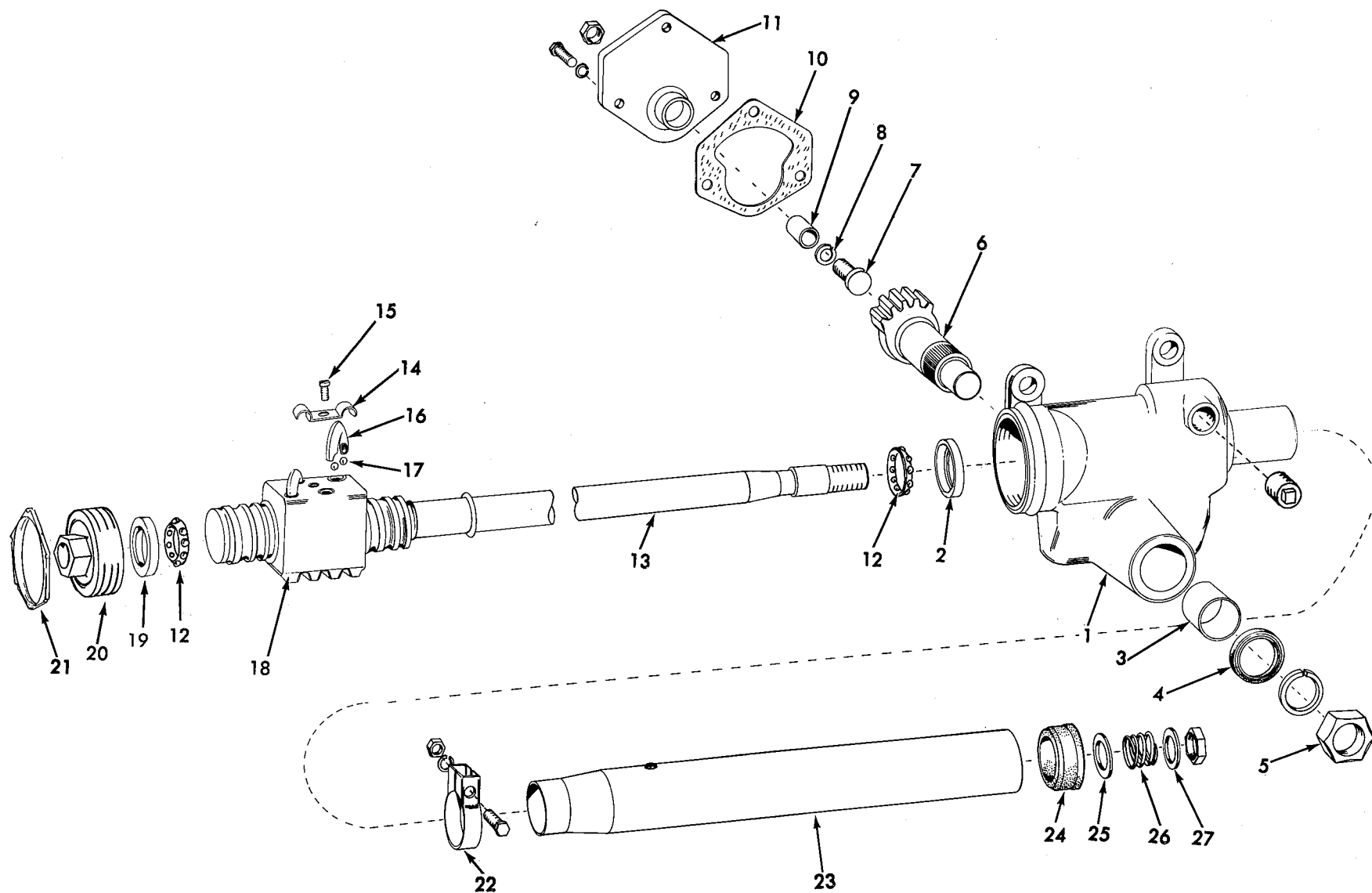
USAGE: * 23.5 x 25 tire
 ** 17.0 x 25 tire

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: Quantities indicated are for one (1) wheel assembly only.				
1	3046878	-	1	WHEEL (Accommodates 17.0 x 25 tire)
	3046881	1	-	WHEEL (Accommodates 23.5 x 25 tire)
2	3036752	1	1	VALVE ASSEMBLY (Serviced only as a unit)
3	3029971	2	-	FLANGE, retaining, tire
	3024126	-	2	FLANGE, retaining, tire
4	3027549	1	1	O-RING, sealing
5	3041531	1	1	BAND, supporting
6	3037872	1	-	DRIVER, band
	3034383	-	1	DRIVER, band
7	3034382	1	1	RING, locking band



STEERING GEAR AND LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION
1	3043399	1	WHEEL, steering
2	3043222	1	U-BOLT, steering gear
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2" NF
3	3050099	1	PLATE, cover
	915343	4	CAPSCREW, 1/4" NC x 5/8"
	911114	4	WASHER, plain, SAE std., 1/4"
	904204	4	LOCKWASHER, 1/4"
4	3047414	1	BRACKET, mounting
	915789	4	CAPSCREW, 5/8" NF x 2-1/2"
	916589	4	NUT, safety, 5/8" NF
5	3046614	1	PIN, pivot
	917758	1	PIN, roll, 1/4" x 1-3/4"
6	3048990	1	BEARING, rod end
	910847	1	NUT, jam, 3/4" NF
7	3048989	2	BAR, connecting
	916333	2	CAPSCREW, 3/4" NF x 2-3/4"
	3050388	6	WASHER, plain,
	916591	2	NUT, safety, 3/4" NF
8	3047419	1	LEVER, cross-over (Includes items 9 and 10)
9	3007065	2	BUSHING, lever, end
10	3048988	1	BUSHING, self-aligning
11	3046394	1	ROD ASSEMBLY, tie (See page 169 for parts)
12	3046279	1	ARM, pitman, steering gear
13	3046278	1	GEAR ASSEMBLY, steering (See page 167 for parts)
	916421	4	CAPSCREW, 1/2" NF x 2-1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2" NF
14	3050096	1	COVER, steering gear
15	-----	-	See POWER STEERING VALVE
16	{ 3047415	4	SHIM (.0625" thick. Used as req'd)
	{ 3050381	1	SHIM (.250" thick. Used as req'd)
17	3048964	1	MEDALLION, steering wheel
	3048971	1	SCREW, self-tapping, #8 x 1-1/4"
18	3048968	1	SPACER, medallion
	923582	1	O-RING, sealing



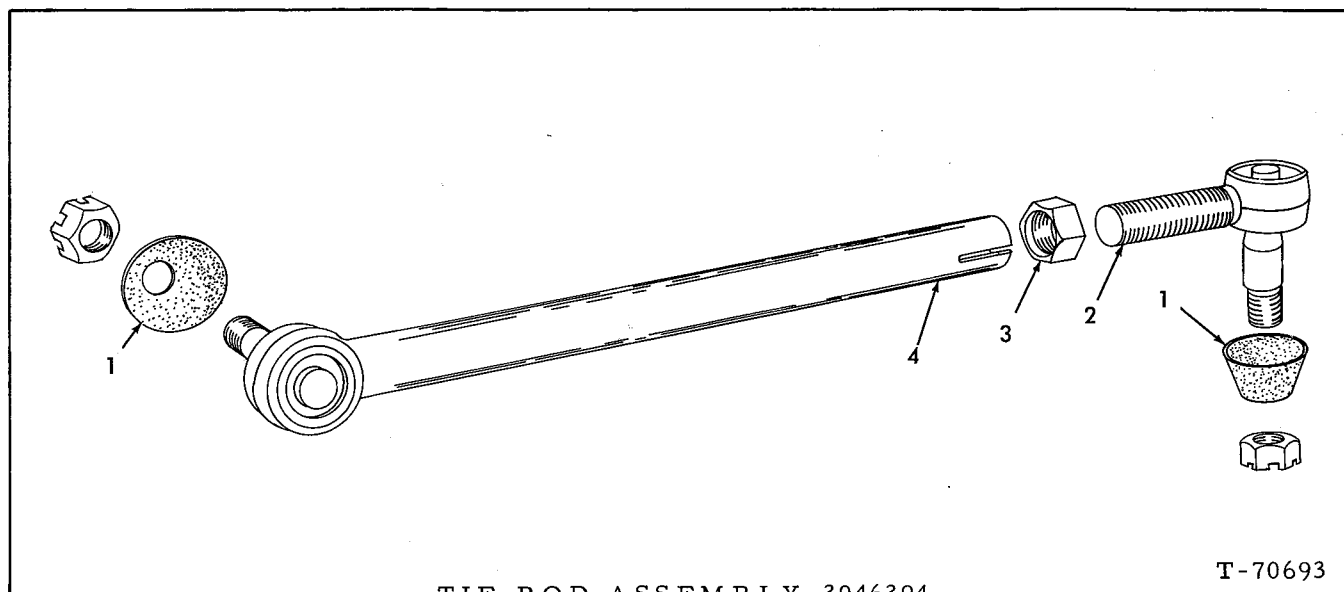
STEERING GEAR ASSEMBLY 3046278

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 167 for listing of complete Assembly.			
1	3048099	1	HOUSING ASSEMBLY, steering gear (Includes items 2 and 3)
	905261	1	PLUG, pipe, 1/2" NPT
2	3048096	2	CUP, worm thrust bearing
3	3003893	1	BUSHING, pitman shaft
4	3048276	1	SEAL, pitman shaft
5	3048274	1	NUT, pitman shaft
	905347	1	LOCKWASHER, 7/8"
6	3048272	1	GEAR, pitman shaft
7	3003896	1	ADJUSTER, lash
	910876	1	NUT, jam, 7/16" NF
	3044365	1	SHIM KIT (Consists of the following four shims)
8	3003883	1	SHIM (.063" thick. Use as req'd)
	3003884	1	SHIM (.065" thick. Use as req'd)
	3003885	1	SHIM (.067" thick. Use as req'd)
	3003886	1	SHIM (.069" thick. Use as req'd)
9	3044573	1	BUSHING, side cover
10	3048271	1	GASKET, side cover
11	3048098	1	COVER ASSEMBLY, side (Includes item 9)
	915408	3	CAPSCREW, 3/8" NC x 3/4"
	904206	3	LOCKWASHER, 3/8"
12	3048095	2	BEARING, worm thrust
13	3048100	1	SHAFT ASSEMBLY, steering gear (Includes items 14 thru 18)
14	3048278	1	CLAMP, ball guide
15	3003933	1	BOLT ASSEMBLY (Includes washer)
16	3048279	4	GUIDE, ball, steering shaft
17	3006597	54	BALL, steering gear
18	-----	1	NUT, ball (Not serviced, order item 13)
19	3048097	1	RETAINER, lower worm thrust bearing
20	3048094	1	ADJUSTER ASSEMBLY, worm bearing (Includes item 2)
21	3048281	1	NUT, lock, worm bearing adjuster

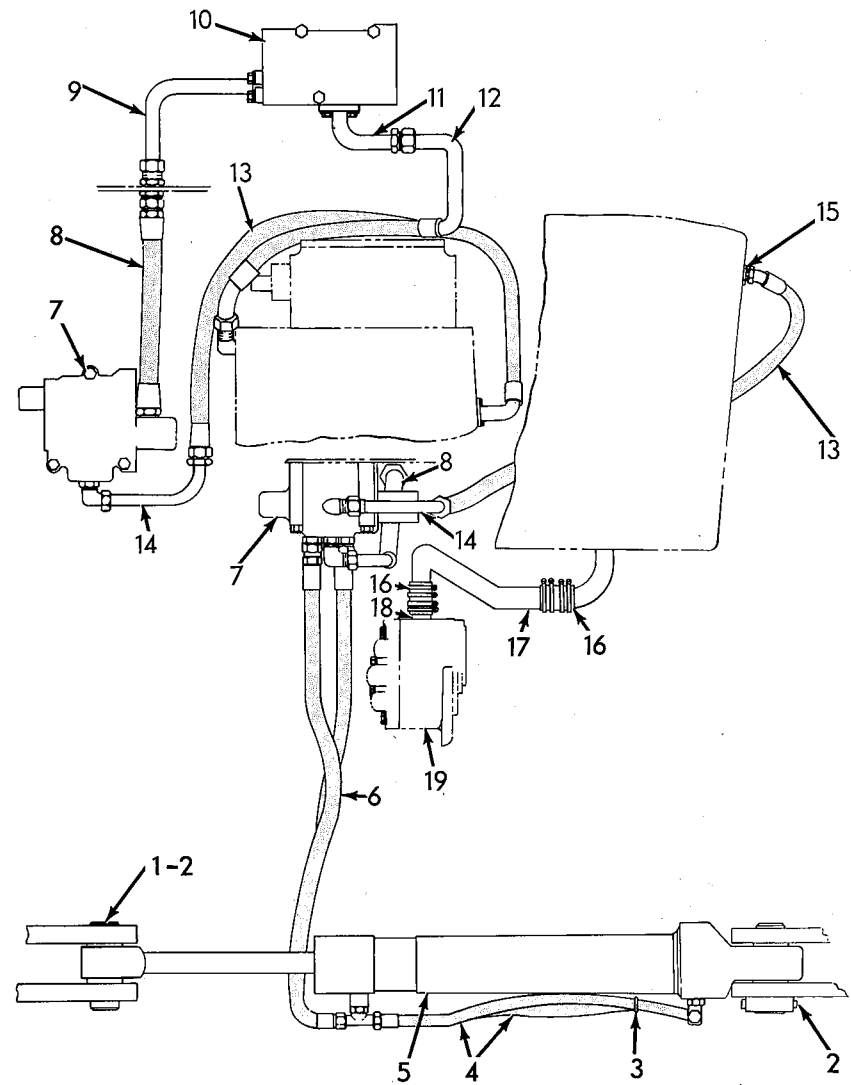
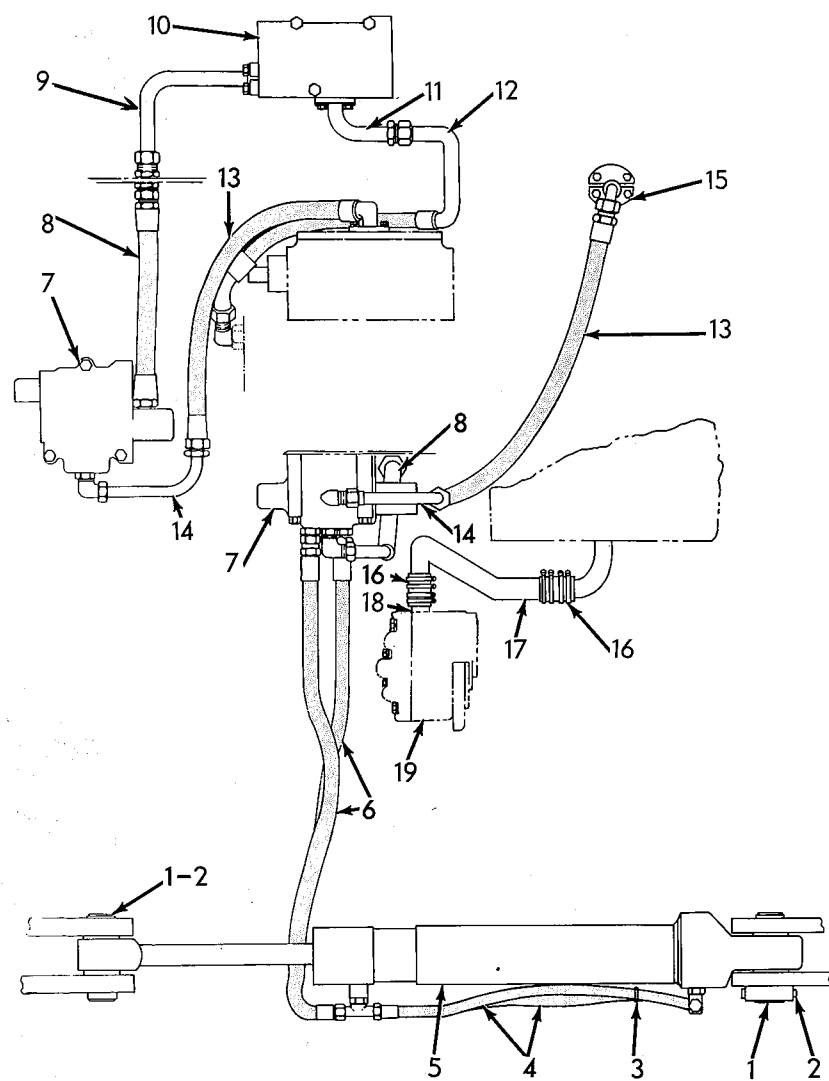
(Continued)

STEERING GEAR ASSEMBLY 3046278 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	3048270	1	CLAMP, steering column jacket
	3048269	1	BOLT
	910233	1	NUT, 5/16" NF
		1	LOCKWASHER
23	3048754	1	JACKET ASSEMBLY, steering column
24	3048753	1	BEARING ASSEMBLY, steering column jacket (Serviced only as a unit)
25	3003888	1	SEAT, upper bearing spring
26	3003894	1	SPRING, upper bearing
27	3003891	1	WASHER, plain
	913177	1	NUT, jam, 1/2" NF



ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 165 for listing of complete Assembly)			
1	3048337	2	SEAL, dust, socket
2	3048336	1	SOCKET ASSEMBLY (1 NUT 910867 and item 1)
	910867	1	NUT, slotted, 1/2" NF
3	3048335	1	NUT, locking, socket
4	3048334	1	SOCKET ASSEMBLY, with tube (Includes 1 NUT 910867 and item 1)
	910867	1	NUT, slotted, 1/2" NF



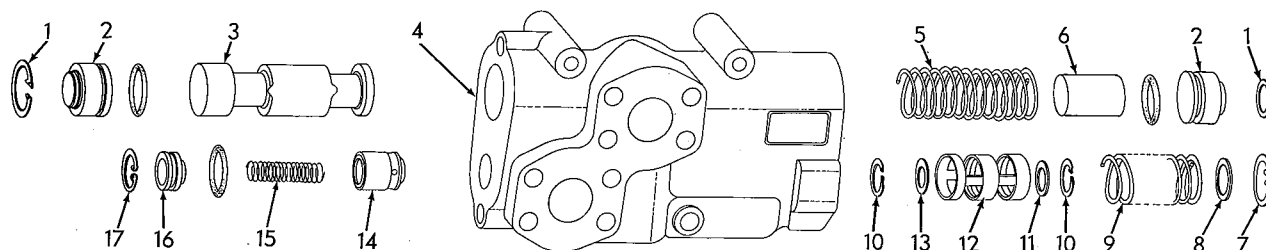
HYDRAULIC POWER STEERING SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	3045211	4	PIN, connecting, steering cylinder
2	3047537	4	PIN, locking
	900806	4	PIN, cotter, 1/8" x 1"
	3045137	8	BOSS
3	3044015	2	CLIP, hose supporting
4	3046776	2	HOSE ASSEMBLY (Crimped-type) (Serviced only as a unit)
	921318	2	TEE, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 921206)
	921203	2	ELBOW, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 921206)
5	3050048	2	CYLINDER ASSEMBLY, power steering (See page 175 for parts)
6	3046772	2	HOSE ASSEMBLY (flare-type) (Serviced only as a unit)
	921217	2	CONNECTOR, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 921206)
7	3046277	1	VALVE ASSEMBLY, power steering (See page 177 for parts)
	925116	3	SCREW, sq. -hd., cup point
8	3046773	1	HOSE ASSEMBLY, valve to tube (flare-type) (Serviced only as a unit)
	921277	1	REDUCER, flare type, 1/2" tube, to 1/4" tube
	919621	1	NUT, 1-5/16"
9	3047318	1	TUBE ASSEMBLY, hose to demand valve
	924851	1	FITTING
	923718	1	O-RING, sealing
	921116	2	FLANGE, half, 2-1/16"
	916271	4	CAPSCREW, 3/8" NC x 1"
	904206	4	LOCKWASHER, 3/8"
10	3046713	1	VALVE ASSEMBLY, demand (See page 173 for parts)
	916391	3	CAPSCREW, 3/8" NF x 4"
	911115	3	WASHER, plain, SAE std., 3/8"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8" NF
	3047343	3	WASHER, plain
11	3047554	1	TUBE ASSEMBLY
	923718	1	O-RING, sealing
	921116	2	FLANGE, half, 2-1/16"
	916271	4	CAPSCREW, 3/8" NC x 1"
	904206	4	LOCKWASHER, 3/8"
12	3047557	1	HOSE ASSEMBLY (Crimped-type) (Serviced only as a unit)
	922632	1	ELBOW, flare type, 3/4" tube, 1-5/16" straight thread (Includes 1 O-RING 921235)
13	3046777	1	HOSE ASSEMBLY (Crimped-type) (Serviced only as a unit) (Used prior to loader serial #1083)
	3050578	1	HOSE ASSEMBLY (Crimped-type) (Serviced only as a unit) (Effective with loader serial #1083)
	921227	1	ELBOW, flare type, 1" tube 1-5/16" straight thread (Includes 1 O-RING 921235)

(Continued)

HYDRAULIC POWER STEERING SYSTEM (Continued)

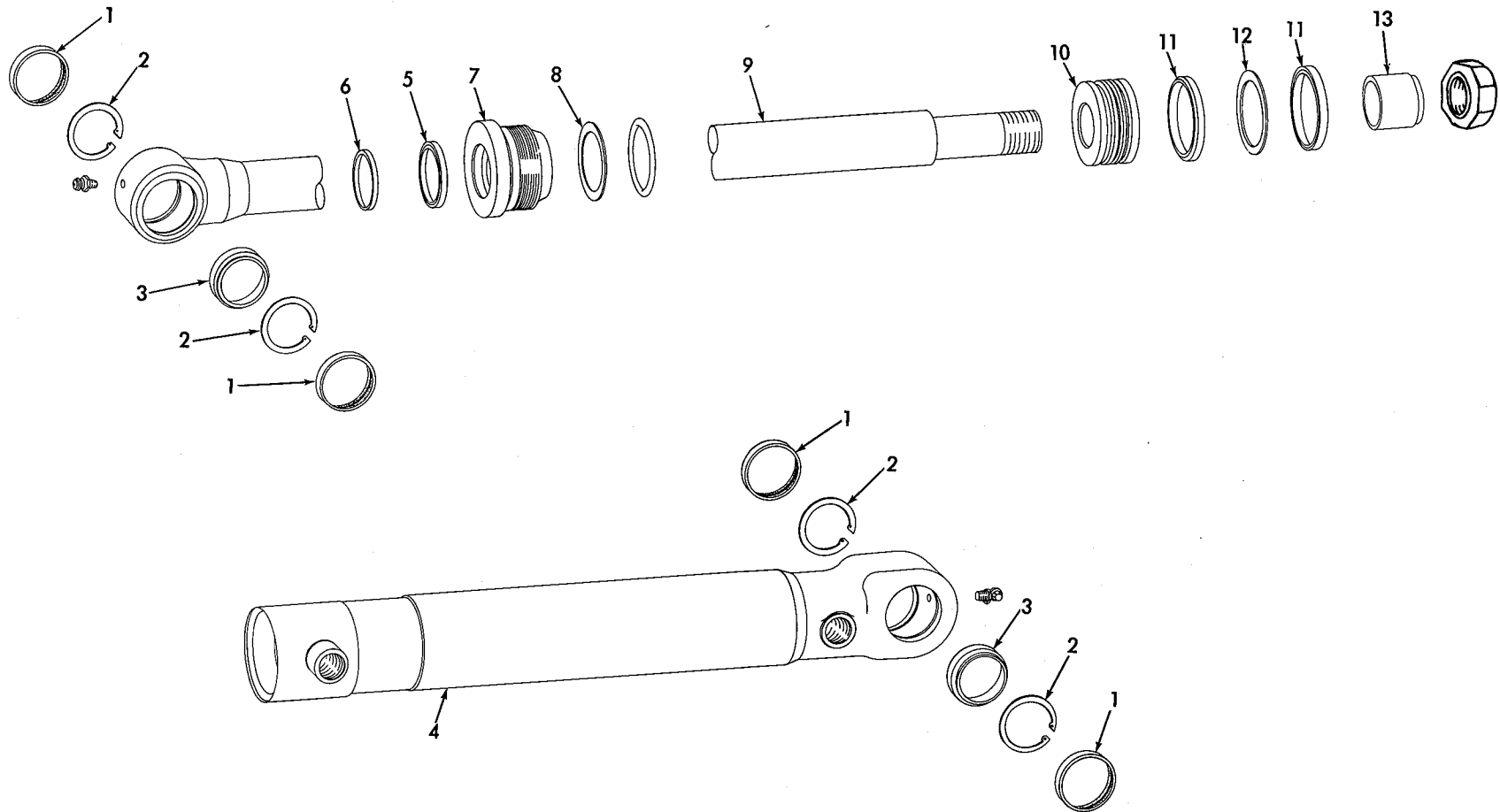
ITEM	PART NO.	QTY.	DESCRIPTION
14	3046767	1	TUBE ASSEMBLY, hose to steering valve (Used prior to loader serial #1083)
	922632	1	ELBOW, flare type, 3/4" tube, 1-5/16" straight thread (Includes 1 O-RING 921235)
	921203	1	ELBOW, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 921206)
15	3044217	1	COVER
	915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
16	3035978	2	HOSE, 1-1/4" I. D. x 3" (Used prior to loader serial #1083)
	921212	8	CLAMP, adjustable, 1-1/16" to 2"
	3006439	2	HOSE, 1-1/2" I. D. x 4-3/4" (Effective with loader serial #1083)
	921913	8	CLAMP, adjustable, 1-13/16" to 2-3/4"
17	3047338	1	TUBE ASSEMBLY (Used prior to loader serial #1083)
	3050496	1	TUBE ASSEMBLY (Effective with loader serial #1083)
18	3048522	1	TUBE ASSEMBLY, (Used prior to loader serial #1083)
	3050524	1	TUBE ASSEMBLY (Effective with loader serial #1083)
19	3047592	2	PUMP ASSEMBLY, power steering (See page 179 for parts)
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"



DEMAND VALVE ASSEMBLY 3046713

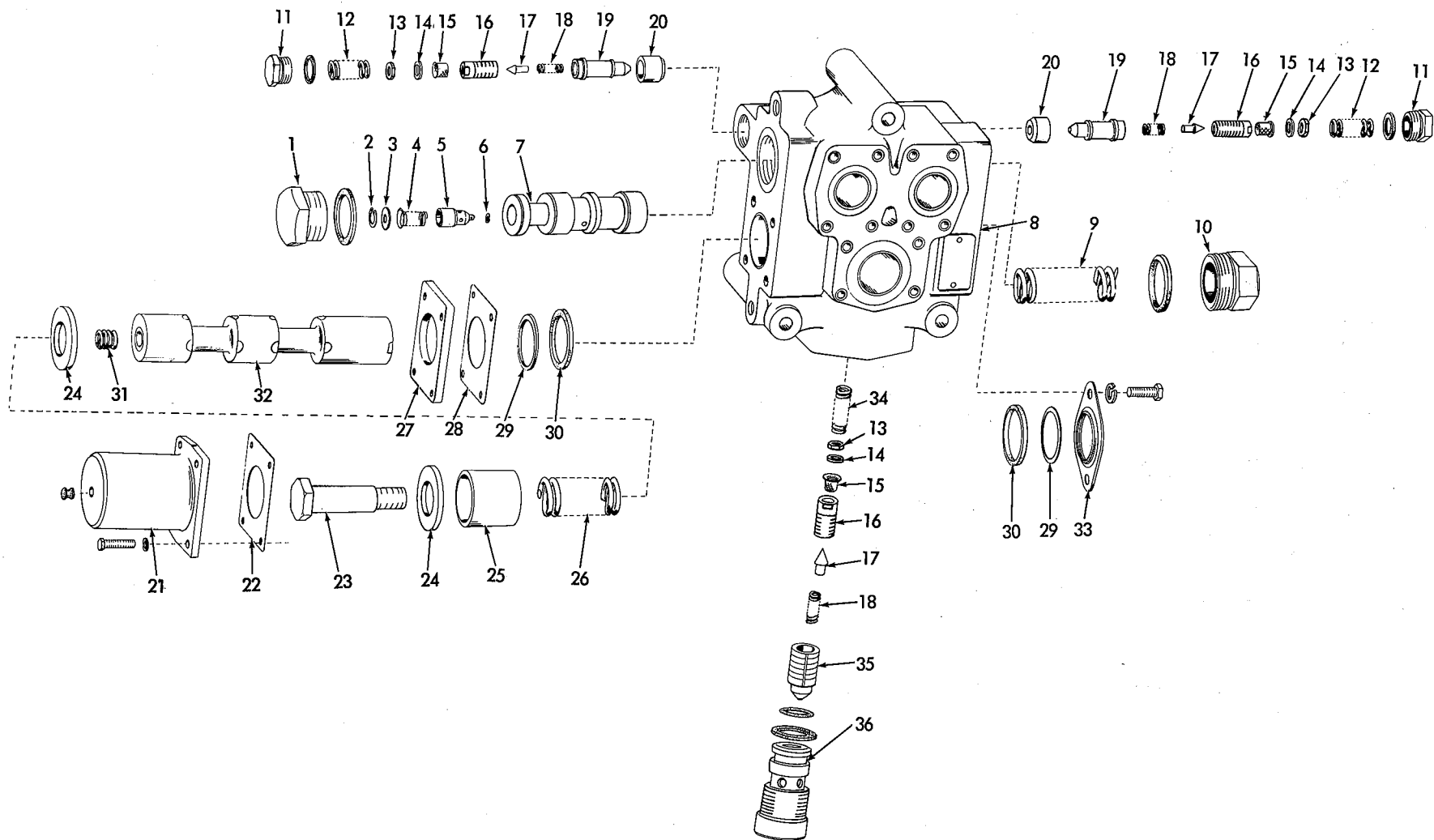
T-71728

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 171 for listing of complete Assembly.			
1	3015649	2	RING, spool plug retaining
2	3048051	2	PLUG, spool
	924777	2	O-RING, sealing
3	-----	1	SPOOL (Not serviced, order Demand Valve Assembly)
4	-----	1	BODY, valve (Not serviced, order Demand Valve Assembly)
5	3048065	1	SPRING, spool
6	3048057	1	SPACER, spring
7	3048068	1	RING, spring retaining
8	3048063	1	WASHER, spring
9	3048066	1	SPRING, check
10	3048069	2	RING, orifice retaining
11	3048064	1	PLUG, orifice
12	3048050	1	CHECK
13	3048064	1	PLUG, orifice
14	3001717	1	CHECK
15	636102	1	SPRING, check
16	3048056	1	PLUG, check
	923849	1	O-RING, sealing
17	3048067	1	RING, check plug retaining



POWER STEERING CYLINDER 3050048

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 171 for listing of complete Assembly. Quantities indicated are for one (1) cylinder only.			
1	3045170	4	SEAL
2	3044518	4	RING, snap, bushing retaining
3	3043863	2	BUSHING, self-aligning
4	3047988	1	TUBE ASSEMBLY, cylinder (Includes items 1 thru 3)
	914465	2	FITTING, lubricating, 1/8" NPT
5	3050047	1	SEAL, wiper, piston rod
6	3050046	1	SEAL, rod
7	3050045	1	HEAD ASSEMBLY, cylinder (Includes items 5, 6, 8 and 1 O-RING 924840)
	924840	1	O-RING, sealing
8	3047985	1	RING, back-up
9	3050043	1	ROD ASSEMBLY, piston (Includes items 1 thru 3)
	925112	1	LOCKNUT, 1-1/8" NS
	914465	1	FITTING, lubricating, straight, 1/8" NPT
10	3050056	1	PISTON, rod
11	3047980	2	SEAL
12	3047984	1	RING, bearing
13	3050055	1	BOSS, piston
-	3048833	1	REPAIR KIT, cylinder (Consists of items 5, 6, 8, 11, 12 and 1 O-RING 924840)



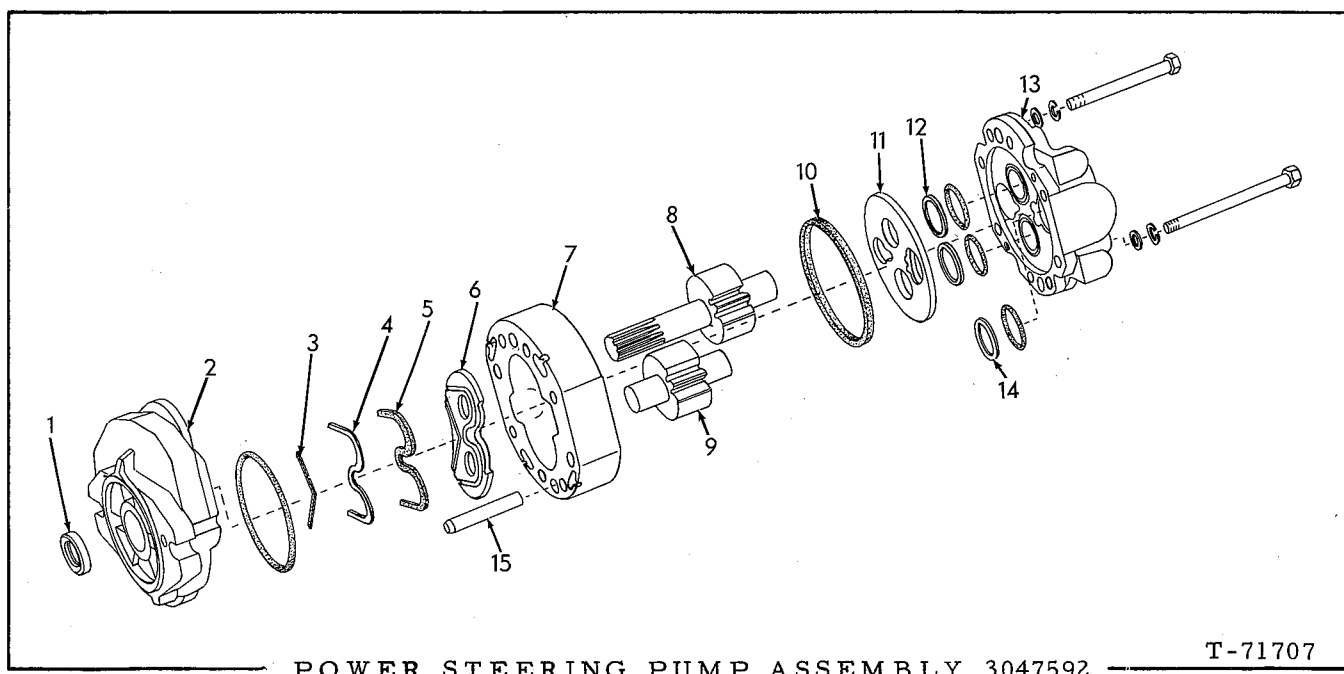
STEERING VALVE ASSEMBLY 3046277

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 171 for listing of complete Assembly.			
1	3048084	1	CAP, check
	3048079	1	RING, sealing
2	3048075	1	RING, retaining
3	3048091	1	WASHER, check
4	3048073	1	SPRING, check
5	3048081	1	CHECK, valve
6	3048076	1	WIRE, orifice
7	-----	1	SPOOL, check (Not serviced, order Valve Assembly)
8	-----	1	BODY, valve (Not serviced, order Valve Assembly)
9	3048072	1	SPRING, check spool
10	3048083	1	CAP, check
	3048079	1	RING, sealing
11	3048082	2	CAP, relief valve
	3048077	2	RING, sealing
12	3048071	2	SPRING, relief valve
-	3048323	2	RELIEF VALVE ASSEMBLY (Includes items 13 thru 19)
13	3048324	3	NUT, locking
	923559	3	RING, sealing
14	3048769	3	SCREEN, relief valve
15	3048770	3	SLEEVE, relief valve
16	-----	3	SEAT, pilot relief (Not serviced, order Relief Valve Assembly)
17	-----	3	POPPET, pilot relief (Not serviced, order Relief Valve Assembly)
18	3048325	3	SPRING, poppet
19	-----	2	PLUNGER, relief valve (Not serviced, order Relief Valve Assembly)
20	3048328	2	SEAT, relief valve
21	3048093	1	COVER, spool
	184550	1	PLUG, bleeder, cover
	918237	4	CAPSCREW, 1/4" NC x 1-1/4"
	904204	4	LOCKWASHER, 1/4"
22	3048090	1	SHIM (Use as req'd)
23	3048087	1	BOLT, spool
24	3048092	2	WASHER, spacer
25	3048088	1	SPACER
26	3048074	1	SPRING, spool, outer
27	3048086	1	SPACER, cover

(Continued)

STEERING VALVE ASSEMBLY 3046277 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	3048089	-	SHIM, cover (Use as req'd)
29	3048070	2	RING, back-up
30	3048080	2	SEAL, spool
31	3048074	1	SPRING, spool, inner
32	-----	1	SPOOL
33	3048085	1	WIPER, spool
	915406	2	CAPSCREW, 1/4" NC x 3/4"
	904204	2	LOCKWASHER, 1/4"
34	3044263	1	SPRING, relief valve
-	3048326	1	RELIEF VALVE ASSEMBLY (Includes items 13 thru 19 and 36)
35	-----	1	PLUNGER, relief valve (Not serviced, order Relief Valve Assembly)
36	3048327	1	SEAT, relief valve (When ordering relief valve seat, also order Relief Valve Assembly)
	923645	1	O-RING, SEALING
	3048078	1	RING, sealing

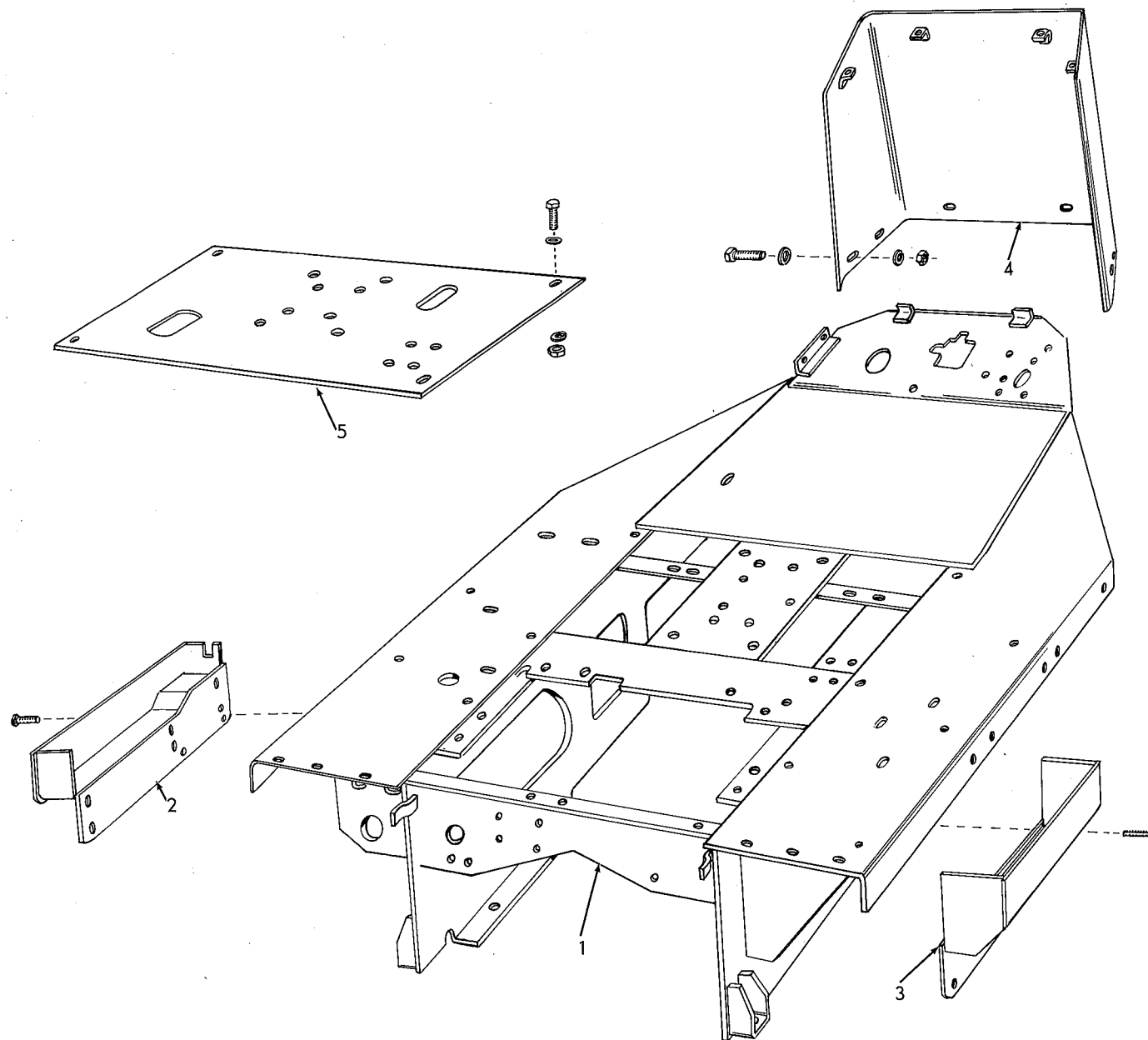


POWER STEERING PUMP ASSEMBLY 3047592

T-71707

POWER STEERING PUMP ASSEMBLY 3047592

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 172 for listing of complete Assembly.			
1	3048052	1	SEAL, oil
2	-----	1	COVER ASSEMBLY, adapter (Includes bushings) (Not serviced, order complete PUMP ASSEMBLY)
	925452	1	RING, seal
3	3048054	1	SEAL
4	3048058	1	BACK UP SEAL
5	3048053	1	SEAL
6	3048046	1	PLATE, wear
7	-----	1	HOUSING (Not serviced, order complete PUMP ASSEMBLY)
8	-----	1	SHAFT, drive (Not serviced, order complete PUMP ASSEMBLY)
9	-----	1	SHAFT, driven (Not serviced, order complete PUMP ASSEMBLY)
10	3050565	1	RING, seal, tetra
11	3048045	1	PLATE, wear
12	3048044	2	RING, back-up
	923564	2	RING, seal, tetra
13	-----	1	COVER ASSEMBLY, end (Includes bushings) (Not serviced, order complete PUMP ASSEMBLY)
	924842	2	CAPSCREW, 3/8" NC x 4-1/4"
	924842	2	CAPSCREW, 3/8" NC x 4-3/4"
	924841	6	WASHER, 3/8"
	904206	6	LOCKWASHER, 3/8"
14	3048305	1	RING, back-up
	923848	1	RING, seal, tetra
15	3048410	2	PIN, dowel

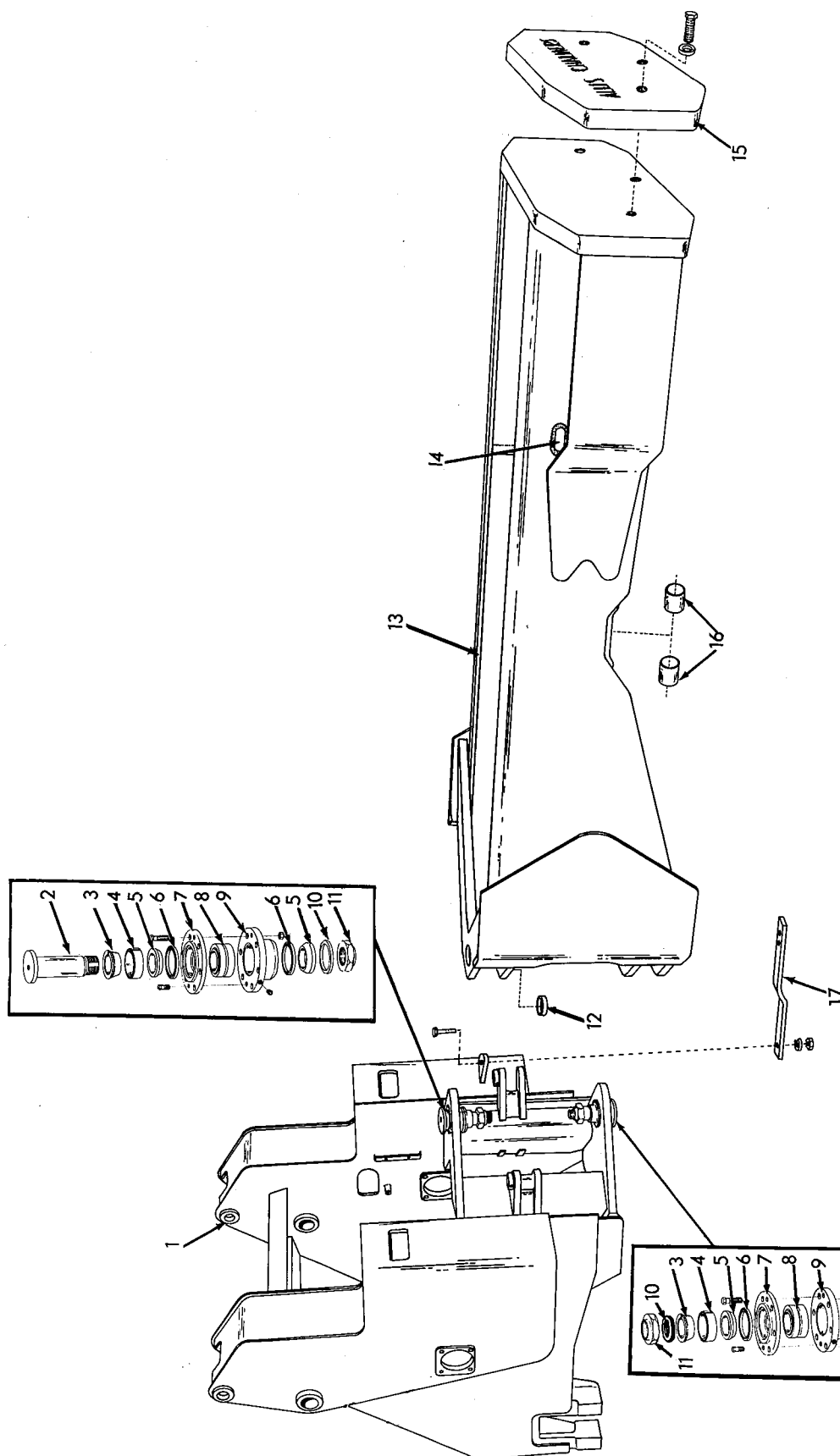


COWL, FLOOR PLATE AND PLATFORM

T-73146

COWL, FLOOR PLATE AND PLATFORM

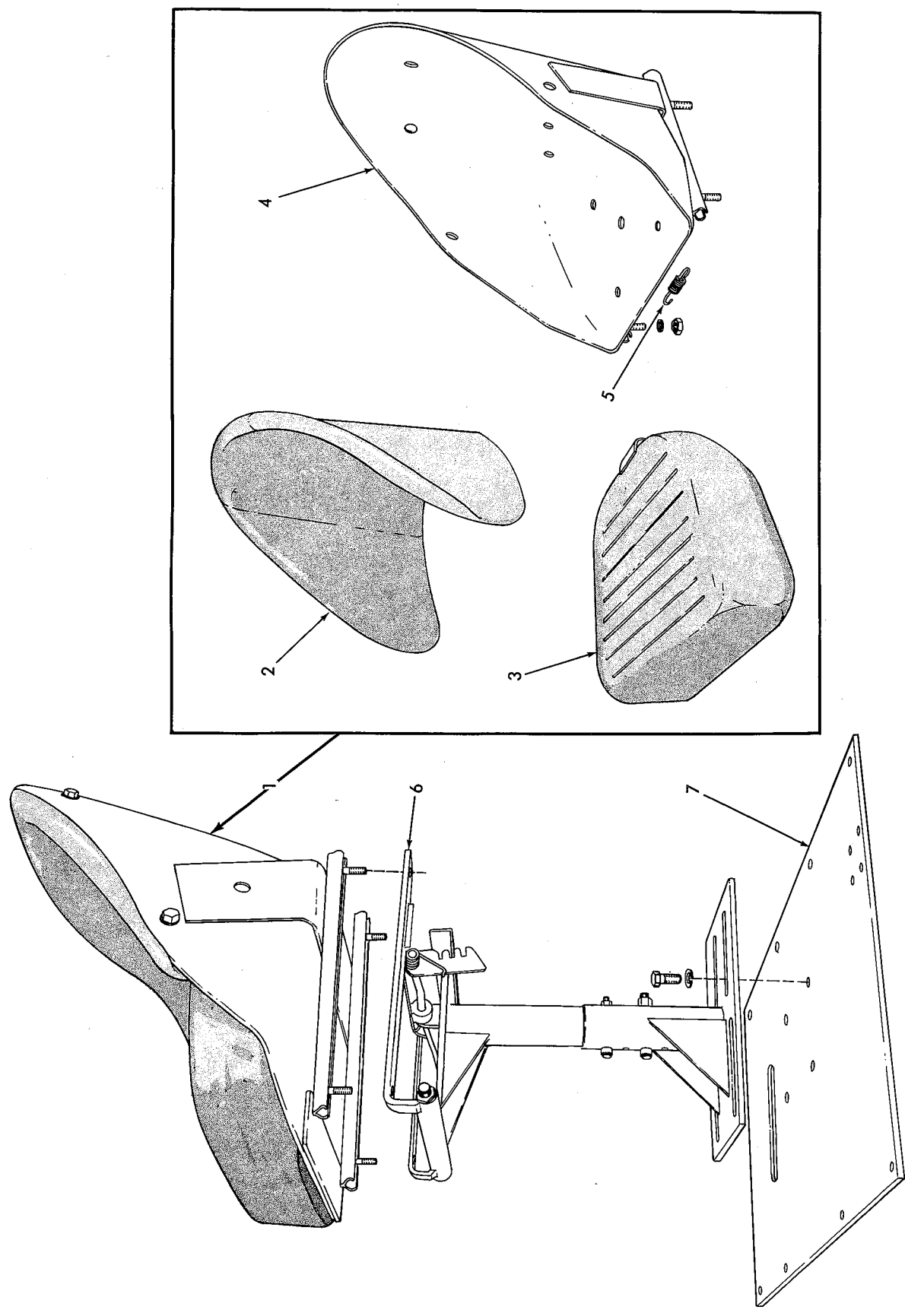
ITEM	PART NO.	QTY.	DESCRIPTION
1	3050026	1	PLATFORM
	916021	4	CAPSCREW, 5/8" NF x 2"
	900703	4	WASHER, plain, SAE std., 5/8"
	916589	4	NUT, 5/8" NF
2	3047304	1	COVER
	923683	6	CAPSCREW, self-tapping, 3/8" NC x 3/4"
3	3047362	1	COVER
	923683	4	CAPSCREW, self-tapping, 3/8" NC x 3/4"
4	3043301	1	COWL
	916382	6	CAPSCREW, 3/8" NF x 7/8"
	911115	6	WASHER, plain, SAE std., 3/8"
	904206	6	LOCKWASHER, 3/8"
	911041	6	NUT, 3/8" NF
5	3050189	1	PLATE, floor
	915228	AR	CAPSCREW, 3/8" NF x 1-1/4"
	900817	AR	WASHER, plain, U.S. std., 3/8"
	904206	AR	LOCKWASHER, 3/8"
	911041	AR	NUT, 3/8" NF



FRAME

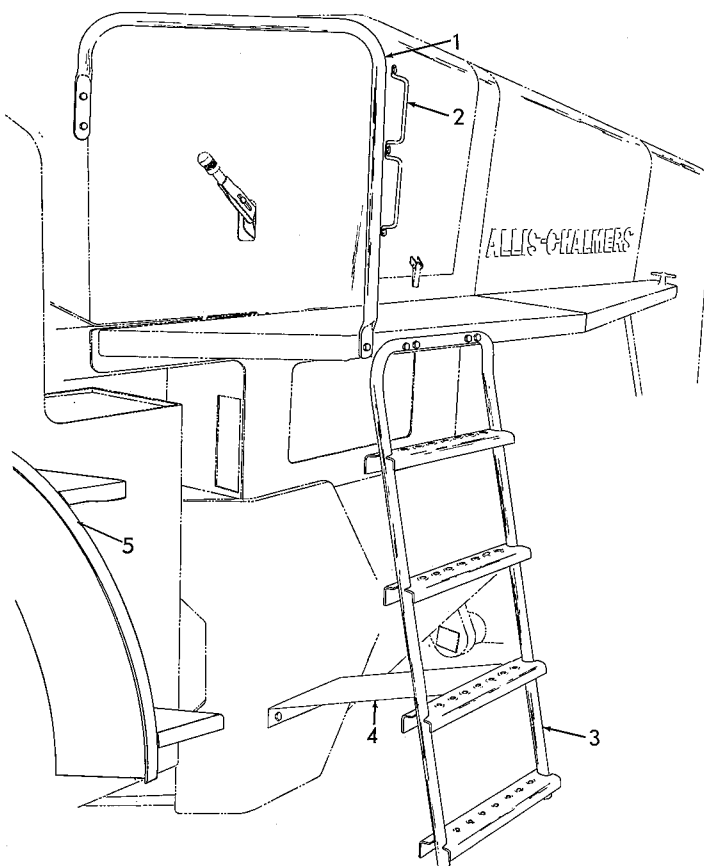
ITEM	PART NO.	QTY.	DESCRIPTION
1	3046060	1	FRAME, front section
2	3046149	2	PIN, pivot, frame connecting
3	3045039	3	COLLAR, inner, pivot pin
4	3045038	3	COLLAR, outer, pivot pin
5	3045041	4	BOSS, pivot pin
-	3045111	2	RETAINER ASSEMBLY, self-aligning bushing (Includes items 6 thru 9)
	915985	12	CAPSCREW, 5/8" NF x 3-1/2"
	921342	12	NUT, safety, 5/8"
	915274	1	FITTING, lubrication, 45°, 1/8" NPT
6	3045043	2	SEAL, retainer, bushing
7	3045045	2	RETAINER, bushing, self-aligning
	922211	4	CAPSCREW, 3/8" NC x 1-1/4", nylock
8	3045054	2	BUSHING, self-aligning
9	3045085	2	RETAINER, bushing
10	3045027	2	SPACER, pivot pin
11	3041927	2	NUT, safety, pivot pin
12	3045033	1	BUSHING, pivot pin, upper
13	3046710	1	FRAME ASSEMBLY, rear (Includes items 12 and 16)
14	-----	2	STRIP, rubber (Order 8 inches of part #3050297) (See Note)
15	3050662	1	COUNTERWEIGHT
	925346	3	CAPSCREW, 7/8" NF x 5-3/4"
	914488	3	NUT, 7/8" NF
	924555	3	DECAL (ALLIS-CHALMERS)
16	3046252	4	BUSHING, axle support
17	3043825	1	BAR, safety
	916375	2	CAPSCREW, 1" NF x 3-1/4"
	910916	2	LOCKWASHER, 1"
	911047	2	NUT, 1" NF

NOTE: The factory will furnish 25 foot rolls of rubber strip.
The dealer will furnish cut length or 25 foot rolls.



SEAT AND MOUNTING

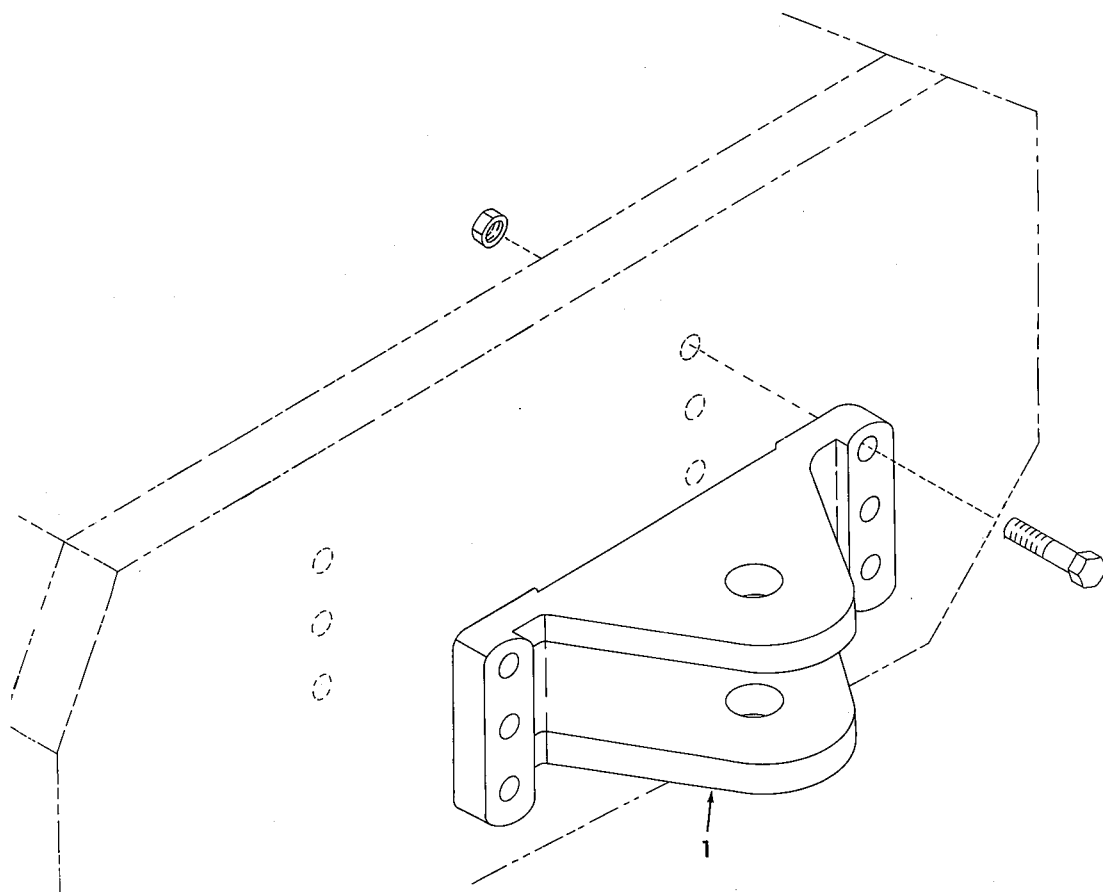
ITEM	PART NO.	QTY.	DESCRIPTION
1	3048866	1	SEAT ASSEMBLY, operators (Includes items 2 thru 5)
2	3048869	1	BACKREST
	916268	5	CAPSCREW, 3/8" NC x 5/8"
	918266	5	WASHER, plain, SAE std., 3/8"
3	3048868	1	CUSHION, seat
	916268	2	CAPSCREW, 3/8" NC x 5/8"
	918266	2	WASHER, plain, SAE std., 3/8"
4	3048867	1	SHELL assembly (Includes item 5)
	920622	4	CAPSCREW, 5/16" NF x 1"
	904205	4	LOCKWASHER, 5/16"
	910233	4	NUT, 5/16" NF
5	3038196	1	SPRING, lever return
6	3048695	1	PEDESTAL ASSEMBLY (Serviced only as a unit)
	916313	4	CAPSCREW, 3/8" NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
7	-----	1	See COWL FLOOR PLATE AND PLATFORM



LADDER, HAND RAIL AND FENDERS

T-70692

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048689	1	RAIL, hand
	916225	3	CAPSCREW, 3/8" NF x 1"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8" NF
2	234594	2	HANDLE
	920622	3	CAPSCREW, 5/16" NF x 1"
	3035467	1	WASHER, plain
	904205	3	LOCKWASHER, 5/16"
3	913636	3	NUT, 5/16" NF
	3050240	1	LADDER
	915480	4	CAPSCREW, 3/8" NF x 1-3/4"
	904206	4	LOCKWASHER, 5/16"
4	911041	4	NUT, 3/8" NF
	3045234	1	STRUT, supporting, ladder
	916225	4	CAPSCREW, 3/8" NF x 1"
	900817	4	WASHER, plain, U.S. std., 3/8"
5	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
	3050232	1	FENDER, front, left
	3050233	1	FENDER, front, right
	913105	12	CAPSCREW, 1/2" NF x 1-1/2"
	904208	12	LOCKWASHER, 1/2"
	911043	12	NUT, 1/2" NF

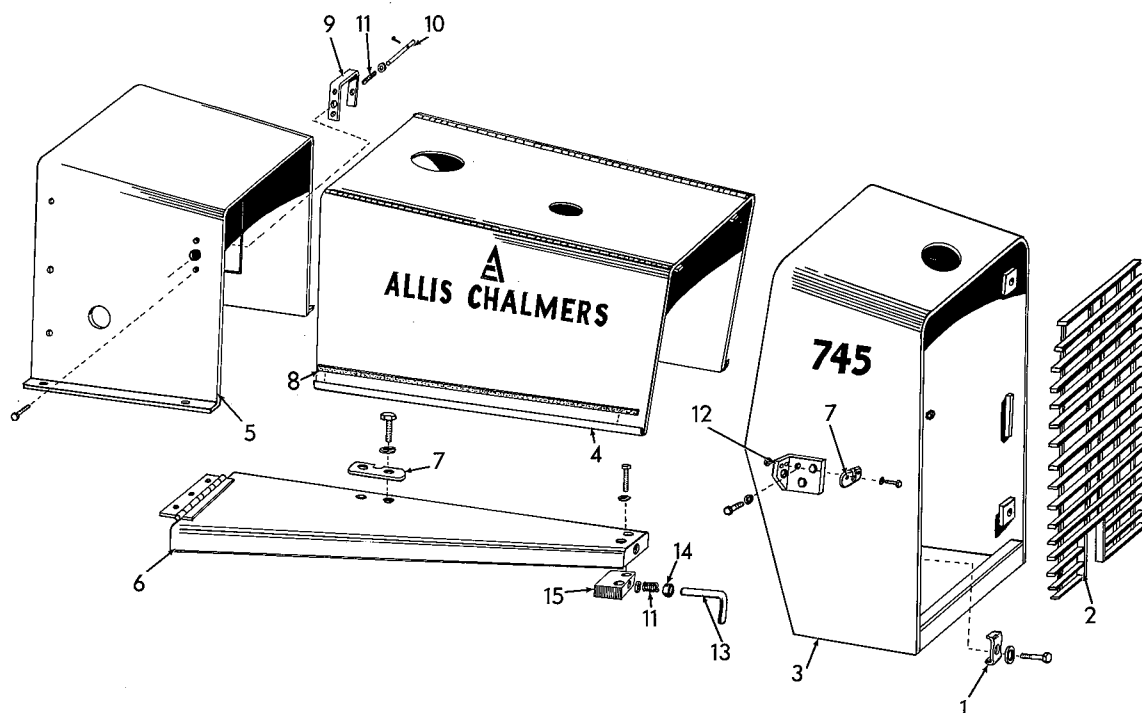


DRAWBAR

T-71559

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	3044717	1	DRAWBAR
	916358	6	CAPSCREW, 7/8" NF x 4-1/2"
	914488	6	NUT, safety, 7/8" NF



RADIATOR SUPPORT HOOD AND FENDERS

T-73147

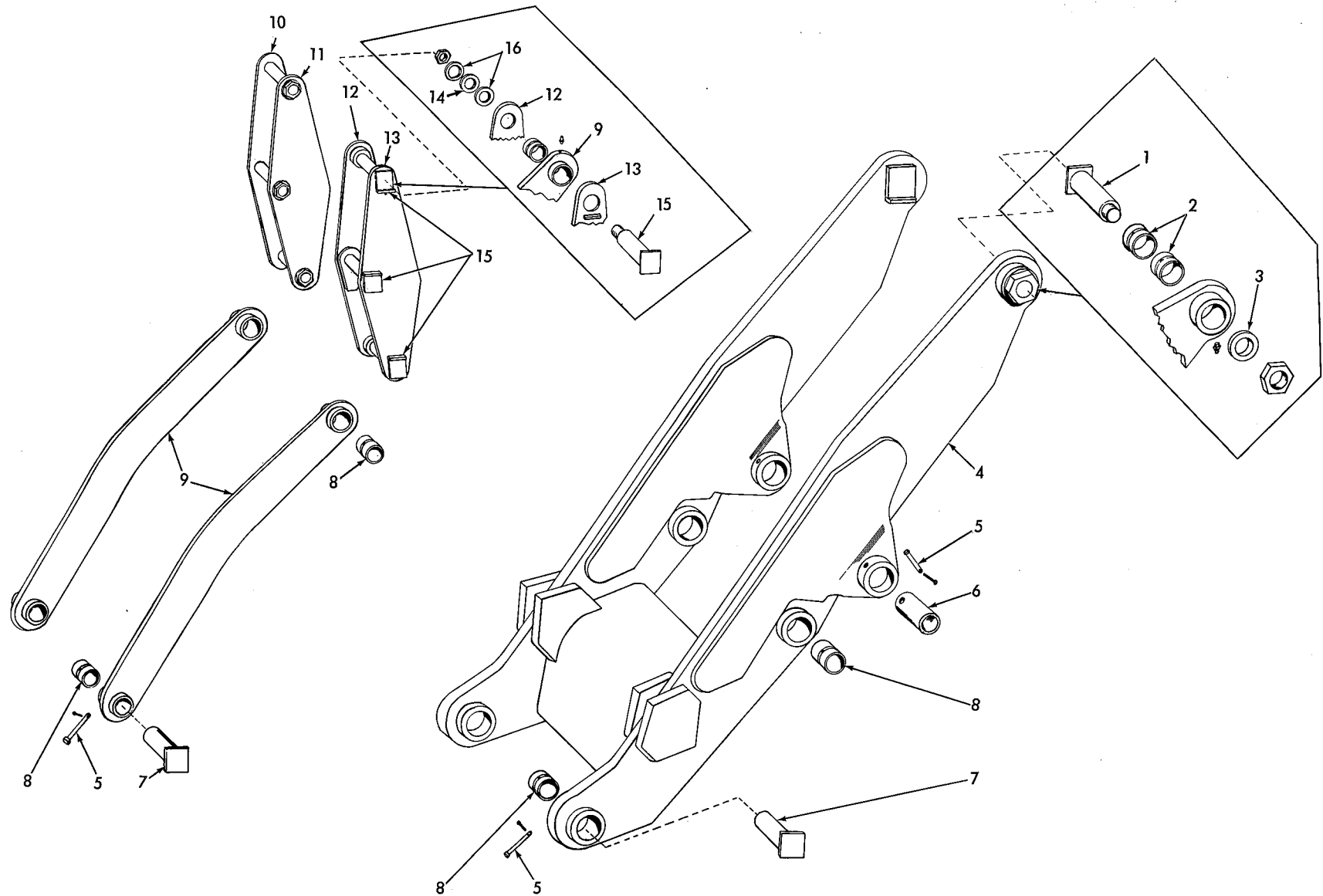
ITEM	PART NO.	QTY.	DESCRIPTION
1	3042646	4	CLIP, grill mounting
	915180	4	CAPSCREW, 3/8" NF x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
2	3048917	1	GRILL, radiator
3	3048908	1	SUPPORT, radiator
	3048885	1	EMBLEM, "745" MODEL designation
4	3048918	1	HOOD, engine
	924555	2	DECAL (ALLIS-CHALMERS)
	916225	2	CAPSCREW, 3/8" NF x 1"
	911993	2	WASHER, plain, 3/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
5	3048925	1	BONNET, hydraulic tank
	916225	4	CAPSCREW, 3/8" NF x 1"
	911993	4	WASHER, plain, 3/8"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
6	3048919	1	FENDER, left, rear
	3048920	1	FENDER, right, rear
	916225	6	CAPSCREW, 3/8" NF x 1"
	911115	6	WASHER, plain, SAE std., 3/8"
	904206	6	LOCKWASHER, 3/8"
	911041	6	NUT, 3/8" NF

(Continued)

RADIATOR SUPPORT HOOD AND FENDERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	3048951	8	PLATE, striker
	915228	8	CAPSCREW, 3/8" NF x 1"
	916383	8	CAPSCREW, 3/8" NF x 1-1/2"
	911115	16	WASHER, plain, SAE std., 3/8"
	904206	16	LOCKWASHER, 3/8"
	911041	16	NUT, 3/8" NF
8	-----	2	STRIP, rubber (Order 48-1/2" of part no. 3050298) (See note) (Not illustrated)
9	3047581	2	BRACKET, mounting, striker rod
	916225	2	CAPSCREW, 3/8" NF x 1"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
10	3047565	2	ROD, striker
	916001	2	PIN, roll, 3/16" x 1"
	911100	2	WASHER, plain, SAE std., 5/8"
11	3023848	4	SPRING, return, rod
12	3048949	1	BRACKET, left
	3048950	1	BRACKET, right
	916381	4	CAPSCREW, 3/8" NF x 3/4"
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
13	3048952	2	ROD, striker
	916001	2	PIN, roll, 3/16" x 1"
	913540	2	WASHER, plain, 21/32" I. D.
14	3048953	2	SPACER, 1/2" thick
15	3048948	2	BLOCK, retaining, spring
	916388	4	CAPSCREW, 3/8" NF x 1-1/2"
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF

NOTE: Factory will furnish 25 foot rolls of rubber strip.
The dealer will furnish cut length or 25 foot rolls.

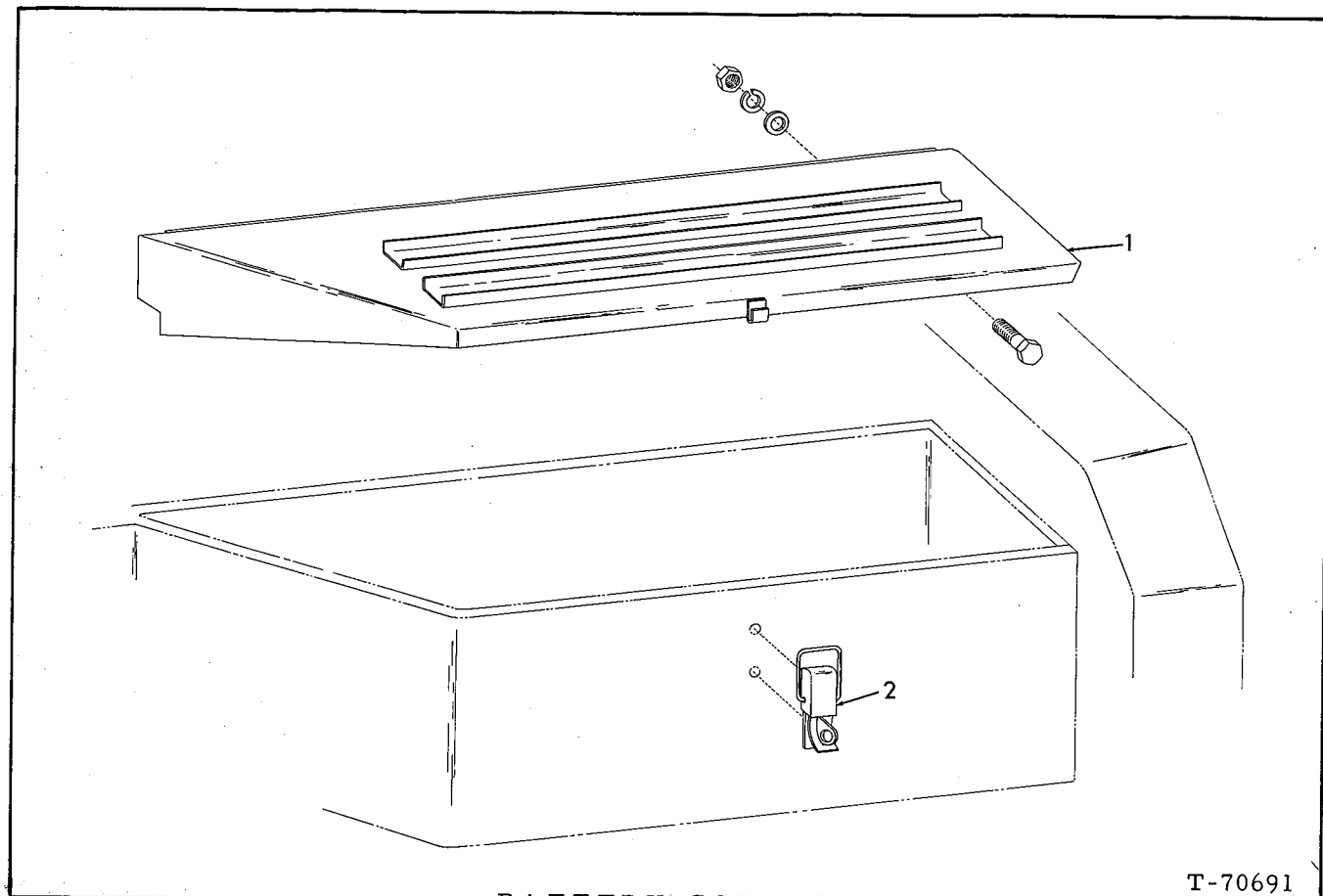


LINKAGE GROUP

T-71732

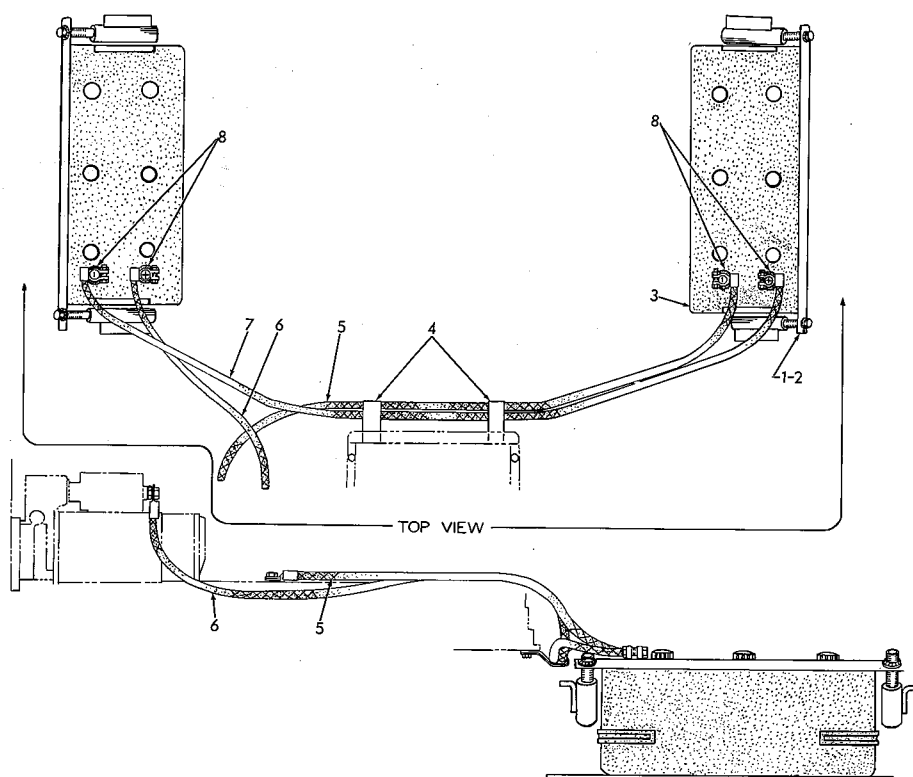
LINKAGE GROUP

ITEM	PART NO.	QTY.	DESCRIPTION
1	3046271	2	PIN, pivot, boom
	3041927	2	NUT (Special)
2	3031012	4	BUSHING, boom, upper end
3	3045027	2	SPACER, boom
4	3046222	1	BOOM ASSEMBLY (Includes items 2 and 8)
	915274	2	FITTING, lubricating, 90°, 1/8" NPT
	914465	4	FITTING, lubricating, straight, 1/8" NPT
5	3013568	6	PIN, locking, pivot pin
	900811	6	PIN, cotter, 3/16" x 1-1/2"
6	3046284	2	PIN, pivot, lift cylinder front
7	3046273	4	PIN, pivot, bucket
8	3046249	8	BUSHING, boom center and lower
9	3047646	2	LINK ASSEMBLY, dump (Includes item 8)
	914465	2	FITTING, lubricating, straight, 1/8" NPT
10	3047640	1	LINK, cross, right outer
11	3047638	1	LINK, cross, right inner
12	3047637	1	LINK, cross, left inner
13	3047639	1	LINK, cross, left outer
14	3046315	-	WASHER, spacing (.0359" thick. Use as req'd)
	3046317	-	WASHER, spacing (.059" thick. Use as req'd)
15	3046260	6	PIN, pivot, cross link
16	3044963	6	WASHER, pivot pin, boom
	924130	6	NUT, safety, 1-3/4" NC



BATTERY COVERS

ITEM	PART NO.	QTY.	DESCRIPTION
1	3043427	1	COVER, battery, left
	3043428	1	COVER, battery, right
	916381	6	CAPSCREW, 3/8" NF x 3/4"
	911993	6	WASHER, plain, 7/16" I. D.
	904206	6	LOCKWASHER, 3/8"
	911041	6	NUT, 3/8" NF
2	3043841	2	LATCH, battery cover
	923703	4	SCREW, tapping, #10 NC x 1/2"

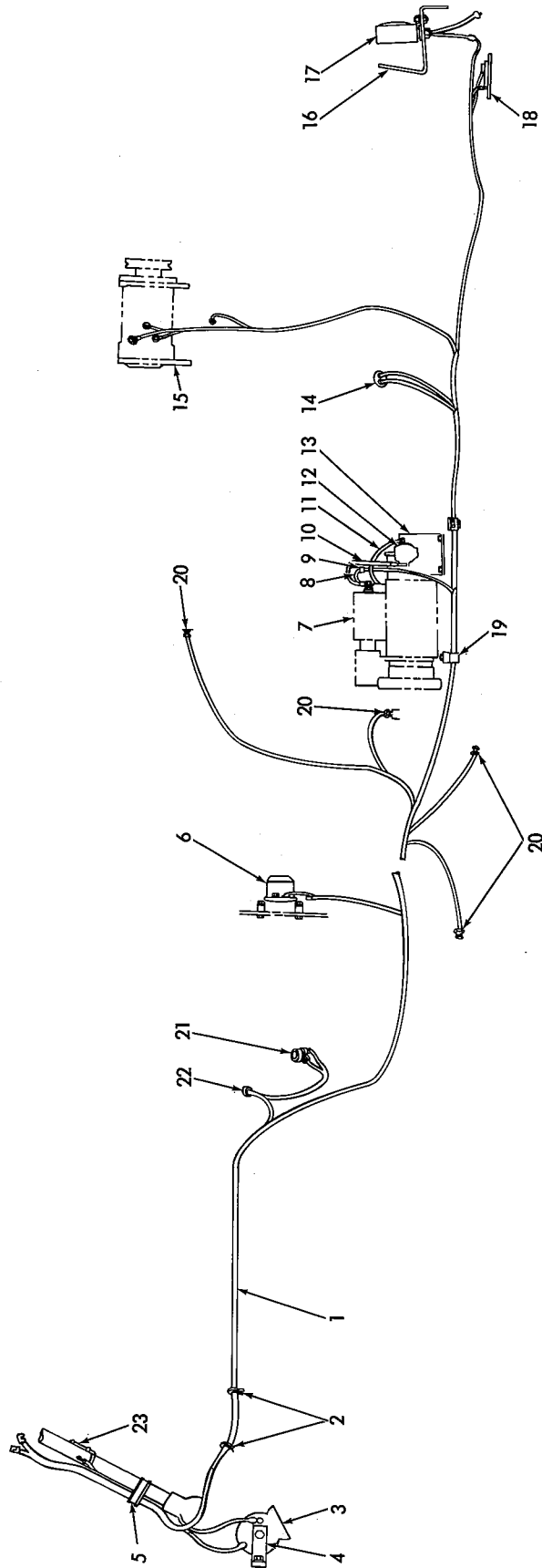


T-71746

BATTERIES AND CABLES

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048106	2	PLATE, battery hold-down
2	3048112	4	NUT, speed
	920682	4	CAPSCREW, 3/8" NC x 5-1/2"
	911115	4	WASHER, plain, SAE std., 3/8"
	918308	4	NUT, 3/8" NC
3	-----	2	BATTERY, storage, 12 volt (Obtain locally) (SAE type 21T1. 20 hr. rating of 175 ampere hours.)
4	3024383	2	CLIP, cable supporting
	915408	2	CAPSCREW, 3/8" NC x 5/8"
	900817	2	WASHER, plain, U. S. std., 3/8"
5	3018629	1	CABLE, battery to ground
6	3043418	1	CABLE, battery to solenoid
7	3043416	1	CABLE, battery connecting
8	3008064	4	WASHER, felt

30475637-02



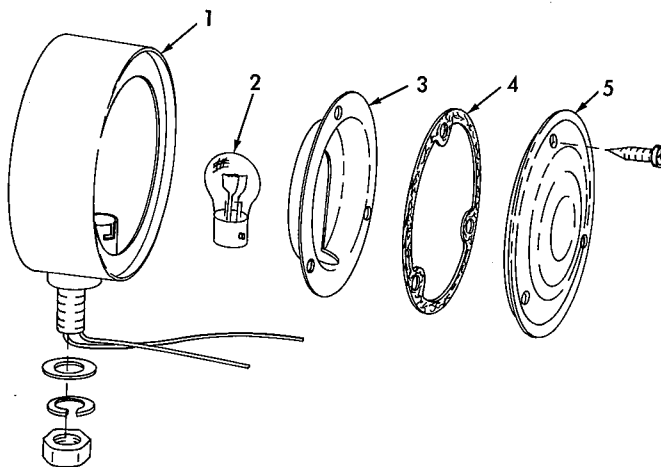
ELECTRICAL SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047296	1	HARNESS, wiring
2	3044015	7	CLIP, harness, wiring
3	3042960	1	HORN ASSEMBLY (Serviced only as a unit)
	3042966	1	NUT
4	3042959	1	BRACKET, horn mounting
	916225	1	CAPSCREW, 3/8" NF x 1"
	900817	1	WASHER, plain, U.S. std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8" NF
5	{ 3031787	1	BINDER, support, wiring harness
	{ 3031789	1	CLIP, support, wiring harness
6	3026317	1	REGULATOR, generator
	916402	4	CAPSCREW, 1/4" NF x 1-1/2"
	904204	4	LOCKWASHER, 1/4"
	911040	4	NUT, 1/4" NF
7	-----	-	See STARTER
8	3018974	1	WIRE ASSEMBLY, solenoid to fuse
9	3031783	1	FUSE, 30 amp.
10	3036543	1	WIRE ASSEMBLY, solenoid to starter
11	3035498	1	WIRE ASSEMBLY, solenoid to starter
12	4513207	1	SWITCH, solenoid, starter
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NC
13	3048600	1	BRACKET, mounting
	923683	2	CAPSCREW, 3/8" NC x 3/4" (Self-tapping)
14	3009981	1	SWITCH, hour meter
	924625	1	NIPPLE, close, 1/8" NPT x 2"
15	-----	-	See GENERATOR GROUP
16	3048947	1	PLATE, light mounting
	915228	2	CAPSCREW, 3/8" NF x 1-1/4"
	913528	2	NUT, safety, 3/8" NF
17	3044008	1	LIGHT ASSEMBLY, tail (See page 197 for parts)
18	-----	-	See FUEL TANK AND LINES
19	3036228	2	CLIP, harness supporting
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF

(Continued)

ELECTRICAL SYSTEM (Continued)

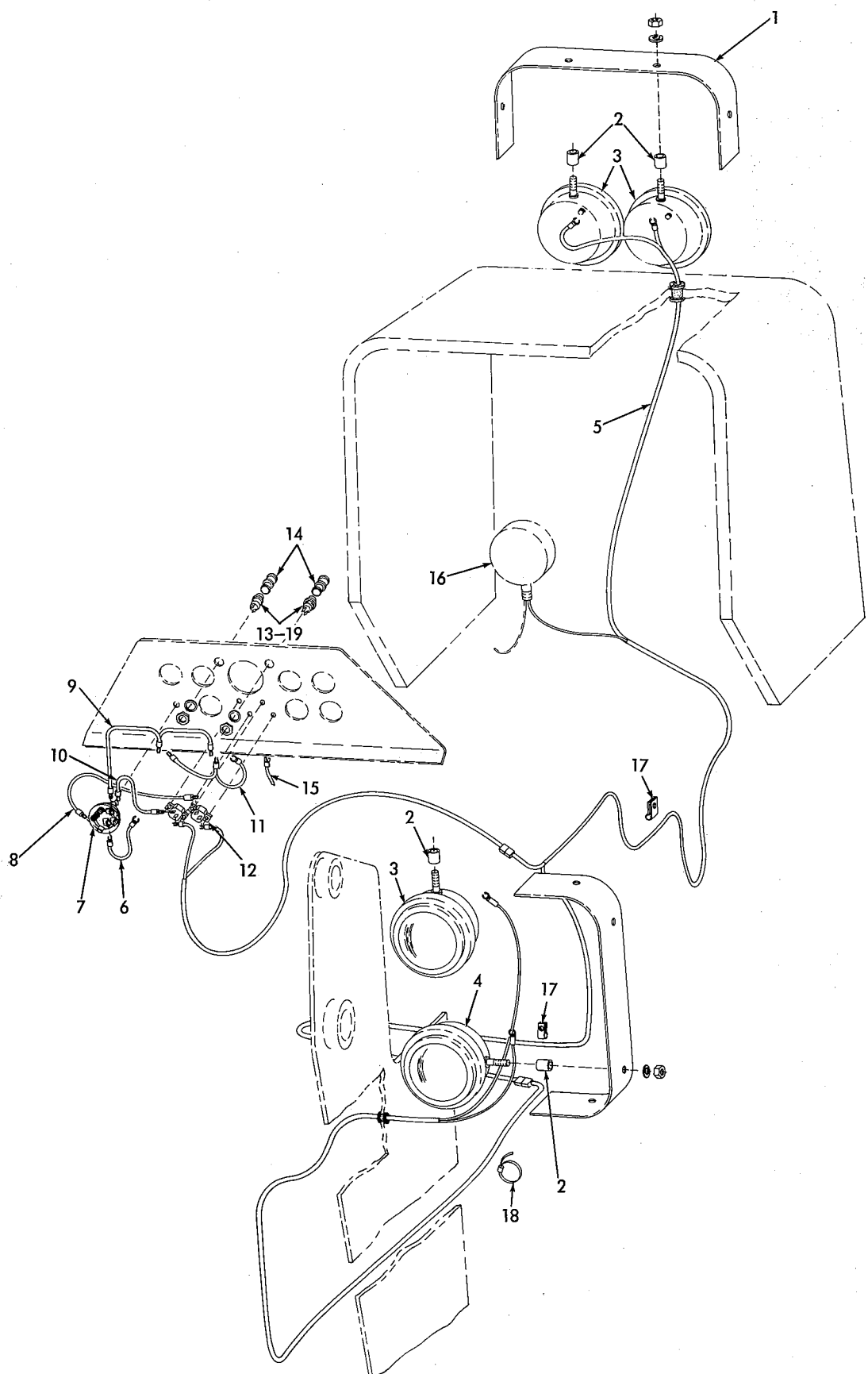
ITEM	PART NO.	QTY.	DESCRIPTION
20	3048726	3	CONNECTOR, male
21	3031667	1	SWITCH, stop light
	901826	1	BUSHING, pipe, 3/8" x 1/4"
22	3038845	1	CLIP, wire supporting
23	-----	-	See TRANSMISSION CONTROL GROUP



TAIL LIGHT ASSEMBLY 3044008

T-70713

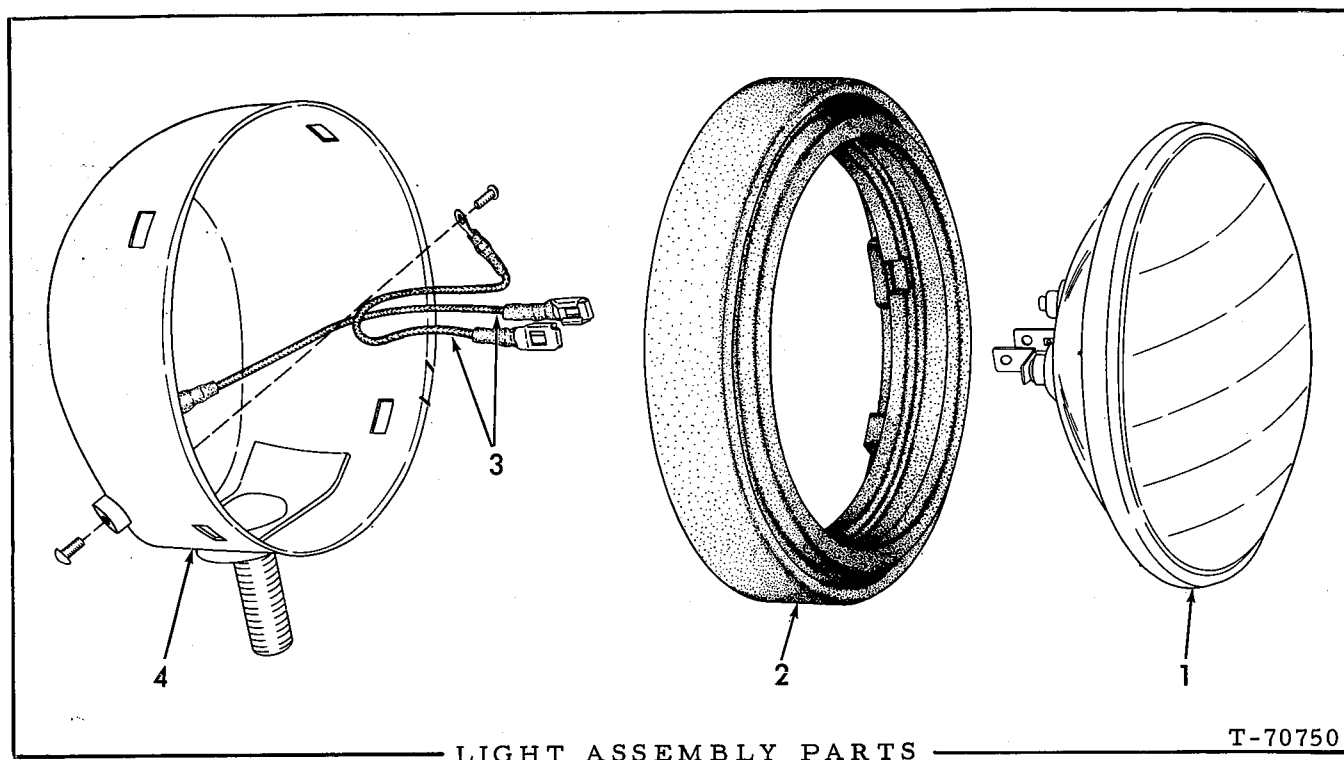
ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 195 for listing of complete Assembly.			
1	-----	1	BODY ASSEMBLY, tail light (Not serviced, order 3044008)
2	3039643	1	BULB, 24 volt
3	3036242	1	REFLECTOR, tail light
4	3036241	1	GASKET, lens
5	3036240	1	LENS, tail light (red glass)



LIGHTS AND WIRING

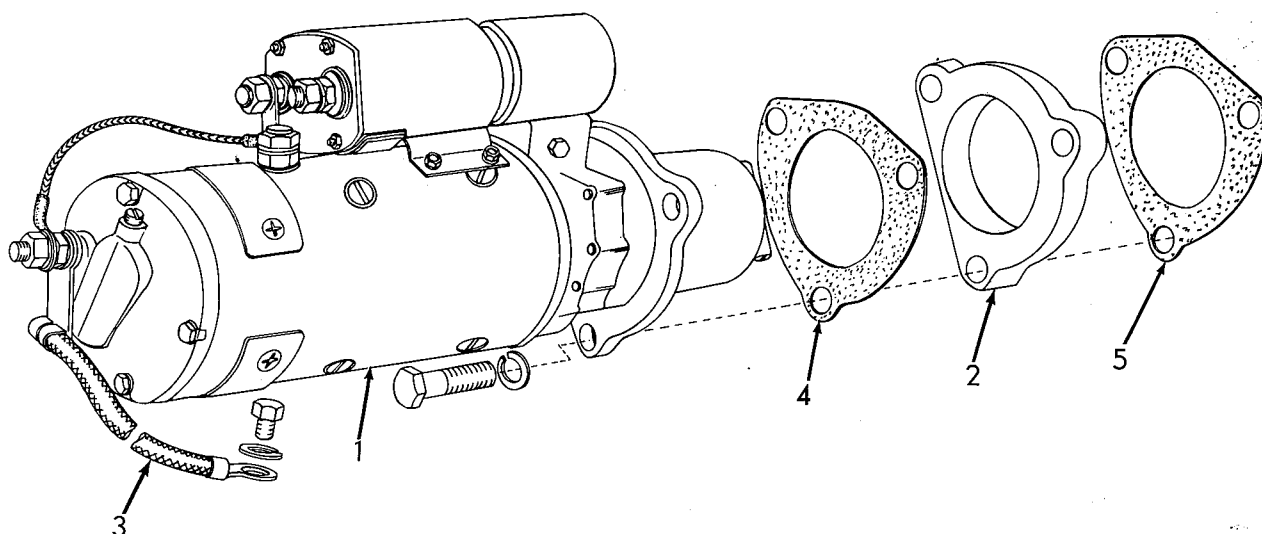
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BAR, mounting
2	3044067	6	SPACER, mounting, head light
3	621429	4	LIGHT ASSEMBLY, flood (See page 200 for parts)
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2" NF
4	3044810	2	LIGHT ASSEMBLY, head (See page 200 for parts)
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2" NF
	912765	2	GROMMET, protecting, wiring harness
5	3044667	1	HARNESS, wiring
6	3048969	1	WIRE ASSEMBLY, switch to ammeter
7	3031735	1	SWITCH, light
8	3044709	1	WIRE ASSEMBLY, switch to head light circuit breaker
9	3044707	1	WIRE ASSEMBLY, switch to instrument lights
10	3044711	1	WIRE ASSEMBLY, switch to work light circuit breaker
11	3050611	1	WIRE ASSEMBLY, instrument lights to fuel gauge ground
12	3044706	2	BREAKER, circuit, 10 amp.
	917443	4	SCREW, machine, #8 NC x 3/4"
13	3021334	2	LIGHT ASSEMBLY, instrument panel (With bulb, incandescent, bayonet type, 1.7 amp., 24 volt) (Includes items 14 and 19)
14	3037183	2	SHIELD, light, instrument panel
15	3050612	1	WIRE ASSEMBLY, light to fuel gauge ground (Used with machines not provided with ground receptacle in wiring harness only)
16	-----	-	See ELECTRICAL SYSTEM
17	3017002	2	CLIP, support, wiring harness
	916270	2	CAPSCREW, 3/8" NC x 1/2"
	904206	2	LOCKWASHER, 3/8"
	647418	2	NUT, 3/8" NC
18	{ 3044015	19	CLIP, support, wiring harness (7-5/16" Long)
	{ 3050495	4	CLIP, support, wiring harness (14-3/16" Long)
19	3040937	2	BULB, 24 volt (Not illustrated)



USAGE: Special equipment * FLOOD LIGHT ASSEMBLY 621429
 ** HEAD LIGHT ASSEMBLY 3044810

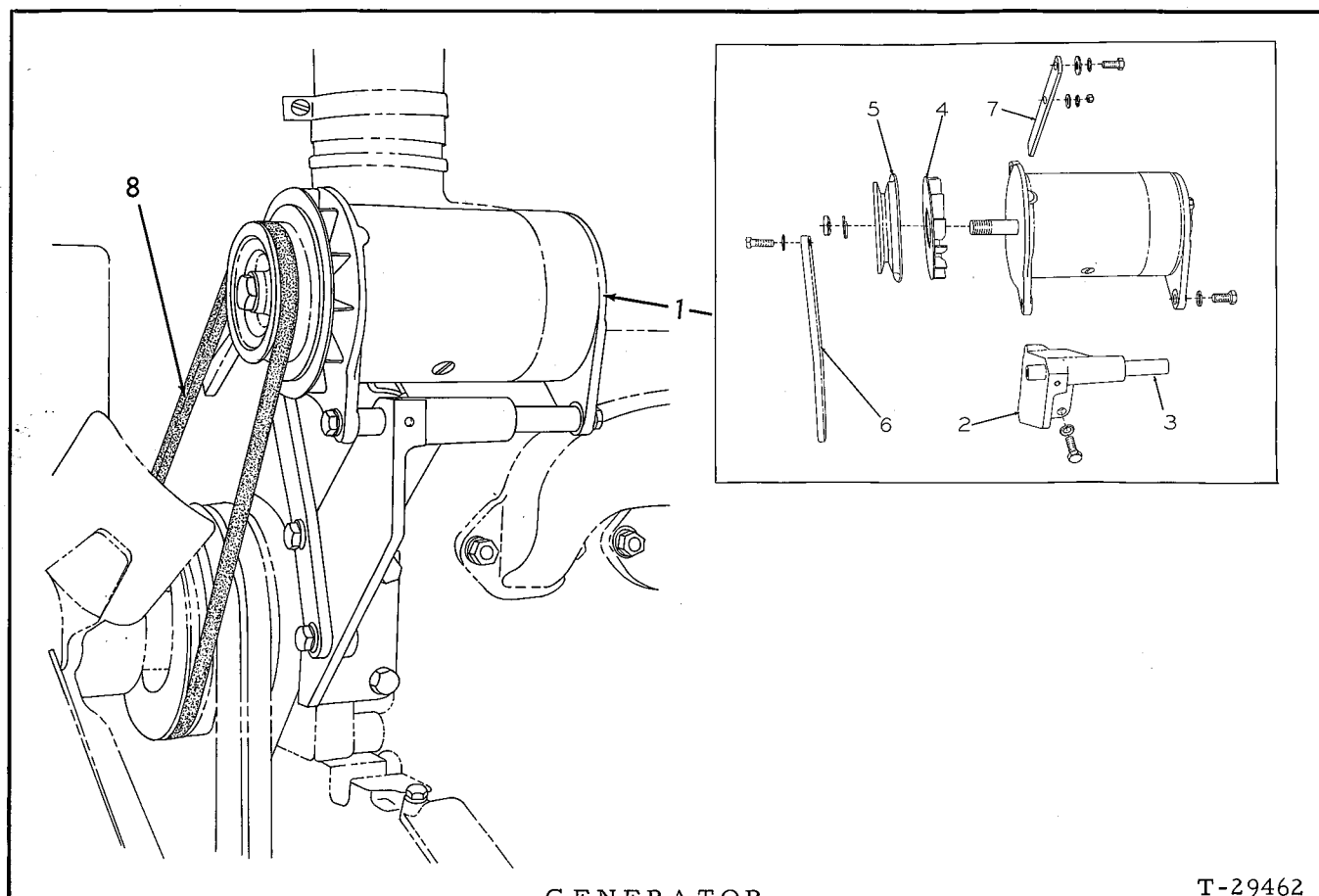
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: See page 199 for listing of complete Assembly.				
1	182763	1	-	SEALED BEAM (24 volt)
	3046497	-	1	SEALED BEAM (24 volt)
2	621428	1	1	RETAINER (rubber)
3	621724	2	2	CABLE, sealed beam (Includes terminals)
	912731	1	1	SCREW, machine, #8 NC x 5/16"
4	-----	1	1	BODY ASSEMBLY (Not serviced separately)
	912731	1	1	SCREW, machine, #8 NC x 5/16"



STARTER

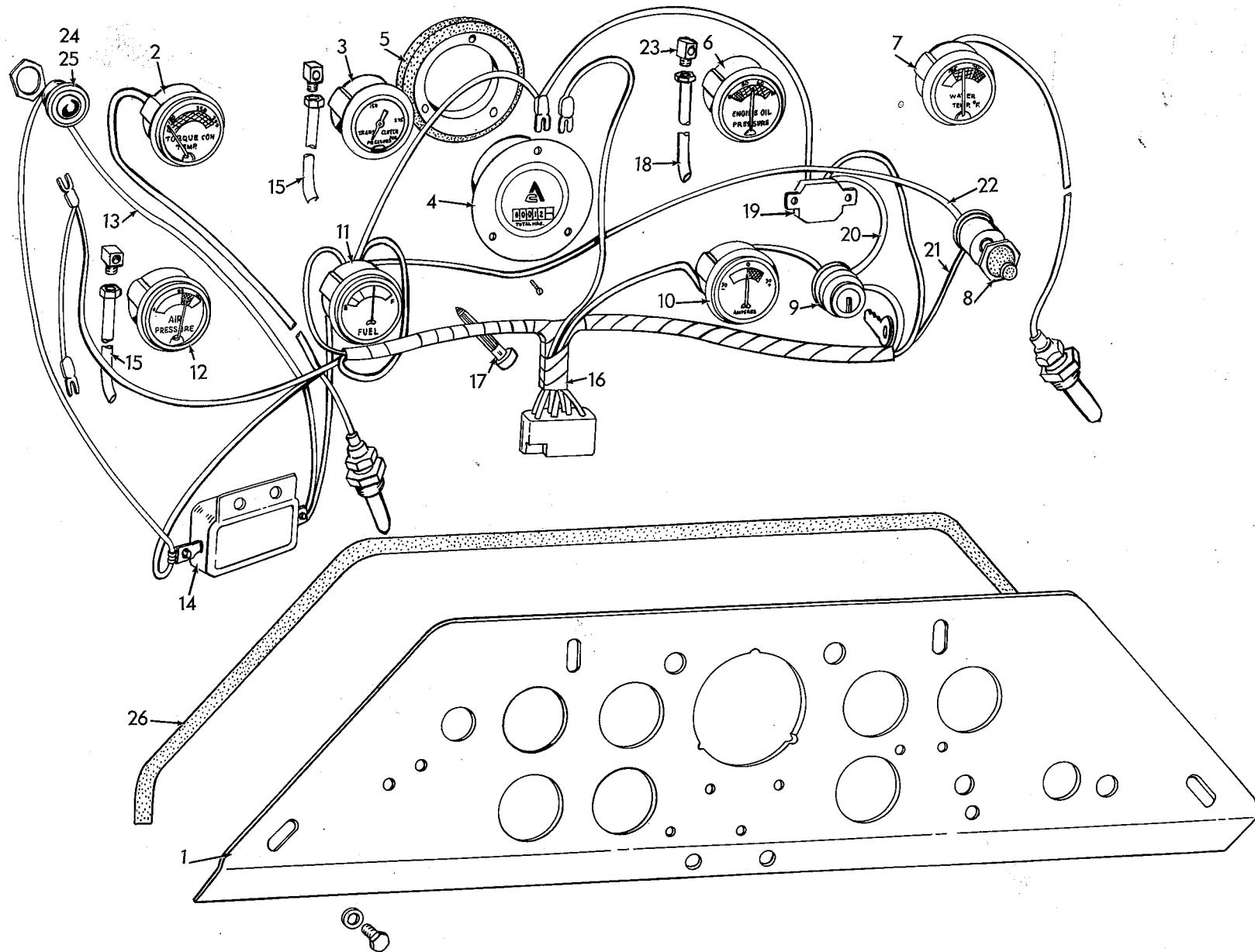
T-73191

ITEM	PART NO.	QTY.	DESCRIPTION
1	4387529	1	MOTOR, starting (DELCO REMY #113898) (Order parts from Local United Motors Service Agency)
	914876	3	CAPSCREW, 5/8" NC x 2-1/2"
	904209	3	LOCKWASHER, 5/8"
2	4346320	1	ADAPTER, starting motor
3	3035268	1	CABLE, starter to ground
	916028	1	CAPSCREW, 1/2" NF x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2" NF
4	3039071	1	GASKET, spacer mounting
5	3039072	1	GASKET, starter mounting



ITEM	PART NO.	QTY.	DESCRIPTION
1	4347982	1	GENERATOR (Includes key, nut and washer for pulley) (DELCO-REMY # 1105988. Order service parts from local United Motor Service agency)
	916197	2	CAPSCREW, 7/16" NC x 1-1/4"
	904207	2	LOCKWASHER, 7/16"
2	4357978	1	BRACKET, generator mounting
	915987	3	CAPSCREW, 1/2" NC x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
	902871	1	SCREW, locking, 3/8" NC x 1/2" hex-socket
3	4374627	1	SPACER, generator bracket
4	4387190	1	FAN, generator cooling
5	4336804	1	PULLEY
6	4336873	1	BRACE, generator adjusting support
	916310	1	CAPSCREW, 1/2" NC x 1"
	919224	1	CAPSCREW, 3/8" NC x 1-1/8"
	904208	2	LOCKWASHER, 1/2"
7	4336795	1	BRACE, generator adjusting
	916271	2	CAPSCREW, 3/8" NC x 1"
	900817	1	WASHER, plain, U.S. std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	910324	2	NUT, 3/8" NC
8	4613571	1	BELT, generator

MEMO



INSTRUMENT PANEL AND GAUGES

T-71740

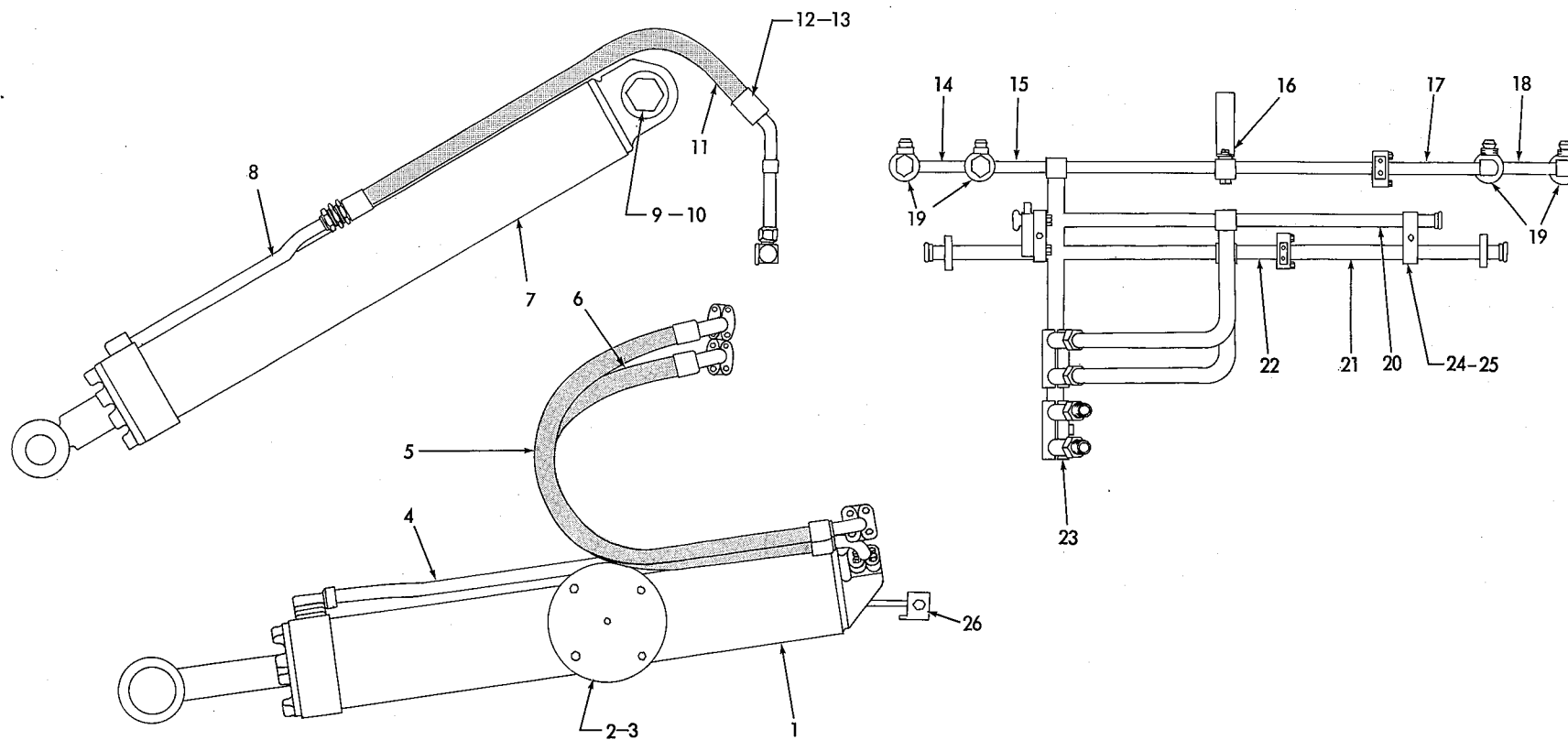
INSTRUMENT PANEL AND GAUGES

ITEM	PART NO.	QTY.	DESCRIPTION
1	3043880	1	PANEL, instrument
	923683	4	CAPSCREW, 3/8" NC x 3/4"
2	3048694	1	GAUGE ASSEMBLY, temperature, torque convert
3	197039	1	GAUGE ASSEMBLY, pressure, clutch
4	3042812	1	METER, hour (24 volt) (See note below)
	903752	3	SCREW, machine, #6 NC x 1/2"

Note: Meter carries manufacturer's warranty and in case of failure should be returned to John W. Hobbs Corporation, Springfield, Illinois for repairs.

5	3019107 903752	1 3	DAMPER, hour meter SCREW, machine, #6 NC x 1/2"
6	658293	1	GAUGE ASSEMBLY, pressure, engine
7	3048692	1	GAUGE ASSEMBLY, temperature, engine
8	3004909	1	SWITCH, horn
9	3043633	1	SWITCH, ignition
10	658348	1	AMMETER ASSEMBLY
11	3048642	1	GAUGE ASSEMBLY, fuel
12	3048635	1	GAUGE ASSEMBLY, air pressure
13	3034589	1	WIRE ASSEMBLY
14	3034250 916400 904204 911040	1 2 2 2	BUZZER, warning CAPSCREW, 1/4" NF x 3/4" LOCKWASHER, 1/4" NUT, 1/4" NF
15	3048712	2	TUBE, clutch and air pressure
16	3048647	1	HARNESS, wiring, instrument gauges
17	3044015	1	CLIP, harness supporting
18	3048714	1	TUBE, engine oil pressure
19	3044068 917443	1 2	BREAKER, circuit SCREW, machine, #8 NC x 3/4"
20	3043730	1	WIRE ASSEMBLY
21	3048970	1	WIRE ASSEMBLY
22	3015598	1	WIRE ASSEMBLY
23	3048725	3	CONNECTOR, tube
24	3034558	1	LIGHT, warning
25	3034566	1	BULB, warning light
26	-----	1	TRIM, panel instrument (plastic) (Order 41" of part no. 3046759) (See note)

NOTE: The factory will furnish 25 foot rolls of plastic trim. Dealer will furnish cut length or 25 foot rolls.



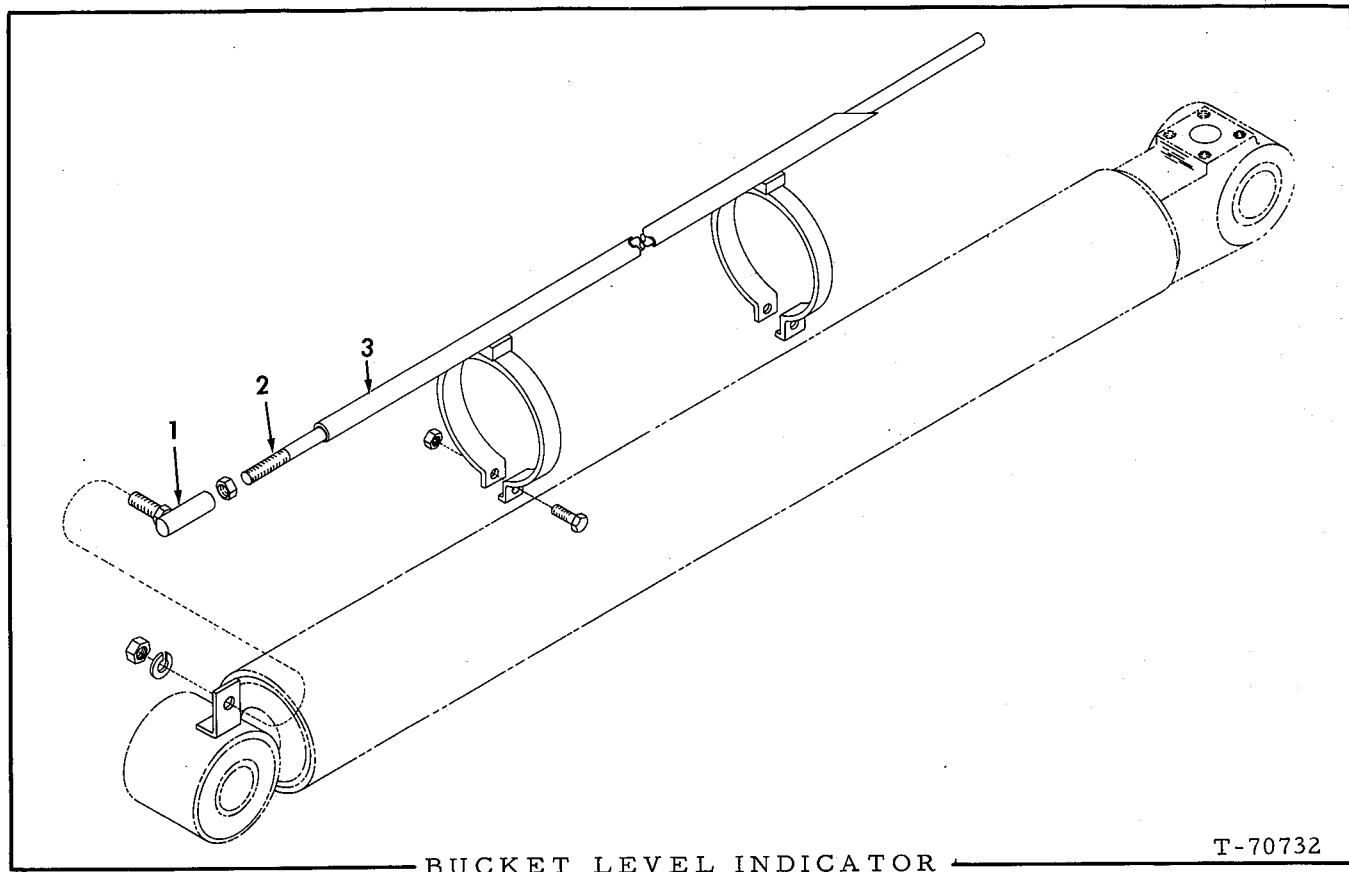
HYDRAULIC PIPING AND CYLINDERS (Front Section)

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 3045553	1	CYLINDER ASSEMBLY, lift, left (See page 213 for parts)
	3045554	1	CYLINDER ASSEMBLY, lift, right (See page 213 for parts)
2	3045475	4	CAGE ASSEMBLY, bushing, lift cylinder (Includes item 3)
	916422	16	CAPSCREW, 1/2" NF x 2-3/4"
	904208	16	LOCKWASHER, 1/2"
	911043	16	NUT, 1/2" NF
	924178	2	FITTING, lubrication, straight, 1/8" NPT (With Relief Valve)
3	3045472	4	BUSHING, cage assembly
4	{ -----	1	TUBE ASSEMBLY, lift, left
	-----	1	TUBE ASSEMBLY, lift, right
} See LIFT CYLINDER ASSEMBLY			
5	3045520	2	HOSE ASSEMBLY, lower left and right (Crimped-type) (Serviced only as a unit)
	923718	4	O-RING, sealing
	921116	8	FLANGE, split, 1"
	916272	16	CAPSCREW, 3/8" NC x 1-1/4"
	904206	16	LOCKWASHER, 3/8"
6	{ 3045542	1	HOSE ASSEMBLY, lift, left (Crimped-type) (Serviced only as a unit)
	3045543	1	HOSE ASSEMBLY, lift, right (Crimped-type) (Serviced only as a unit)
	923718	4	O-RING, sealing
	921116	8	FLANGE, split, 1/8"
	916272	16	CAPSCREW, 3/8" NC x 1-1/4"
	904206	16	LOCKWASHER, 3/8"
7	{ 3047601	1	CYLINDER ASSEMBLY, dump, left (See page 211 for parts)
	3047602	1	CYLINDER ASSEMBLY, dump, right (See page 211 for parts)
8	-----	2	TUBE ASSEMBLY, dump cylinder (See DUMP CYLINDER ASSEMBLY)
9	3046254	2	PIN, pivot, dump cylinder
10	3044963	2	WASHER, pivot pin
	924130	2	NUT, 1-3/4" NC
11	3048595	4	HOSE ASSEMBLY, retract and dump (Crimped-type) (Serviced only as a unit)
	924848	4	ELBOW
	919621	4	NUT
12	3028597	4	CLIP, hose supporting
	915480	4	CAPSCREW, 3/8" NF x 1-3/4"
	911115	8	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
13	3029917	4	SPACER, clip
14	3045723	1	TUBE ASSEMBLY, retract
15	3045704	1	TUBE ASSEMBLY, dump

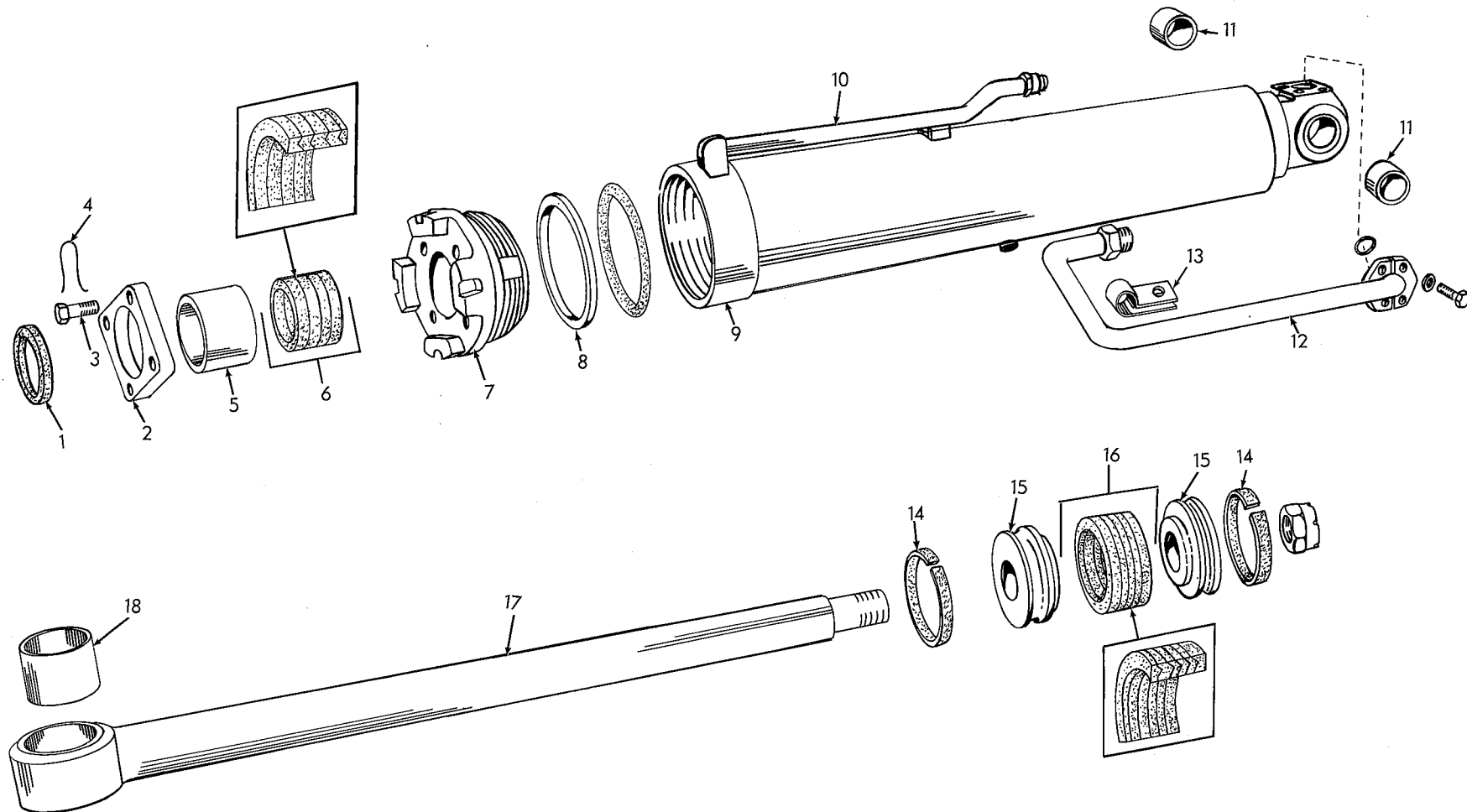
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HYDRAULIC PIPING AND CYLINDERS (Continued)
(Front Section)

ITEM	PART NO.	QTY.	DESCRIPTION
16	3045731	2	CLAMP, half, tube supporting
	916388	1	CAPSCREW, 3/8" NF x 2-3/4"
	911115	12	WASHER, spacing (Use as req'd)
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8" NF
17	3045705	1	TUBE ASSEMBLY, dump
	923718	1	O-RING, sealing
	916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
18	3045721	1	TUBE ASSEMBLY, retract
	923718	1	O-RING, sealing
	916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
19	3046703	4	SHIM
20	3047480	1	TUBE ASSEMBLY, lower
21	3045755	1	TUBE ASSEMBLY, lift
	923718	1	O-RING, sealing
	916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
22	3045730	1	TUBE ASSEMBLY, lift
23	3045733	4	CLAMP, tube supporting
	920613	2	CAPSCREW, 3/8" NF x 3"
	911115	12	WASHER, spacing (Use as req'd)
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
24	3045736	2	CLAMP, tube, supporting
	915480	4	CAPSCREW, 3/8" NF x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
25	3045737	2	CLAMP, tube supporting
	916272	1	CAPSCREW, 3/8" NC x 1-1/4"
	904206	1	LOCKWASHER, 3/8"
26	3032350	2	TUBE ASSEMBLY, flexible, inner lift cylinder trunnion
	904209	2	LOCKWASHER, 5/8"
	911049	2	NUT, jam, 5/8" NF
	924178	2	FITTING, lubrication, straight, 1/8" NPT



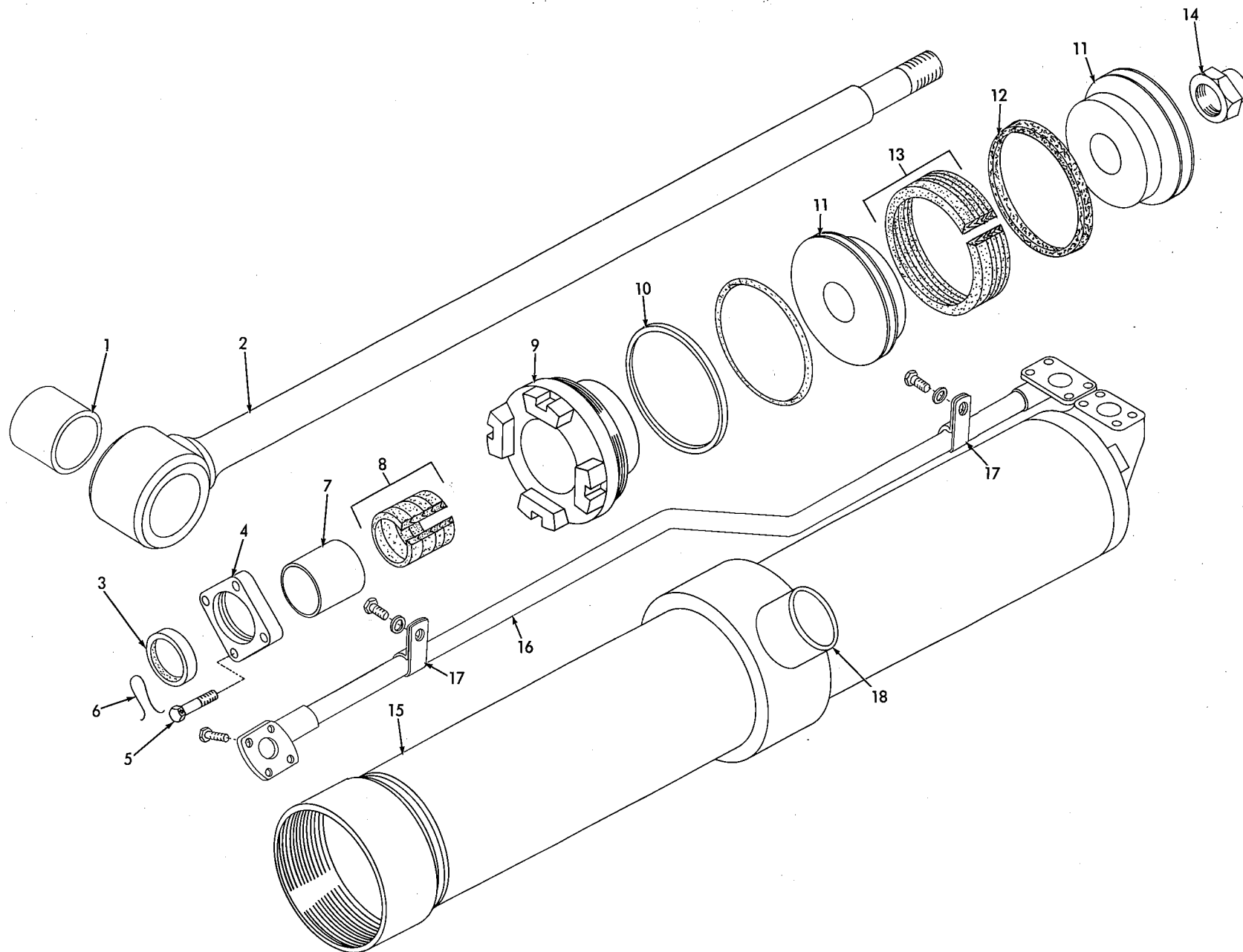
ITEM	PART NO.	QTY.	DESCRIPTION
1	3039764	1	JOINT, ball, adjustable
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2" NF
2	3048936	1	ROD, bucket level indicator
	913177	1	NUT, jam, 1/2" NC
3	3048937	1	PIPE ASSEMBLY, bucket level (Includes 2 CAPSCREW 916272 and 2 NUT 910324)
	916272	2	CAPSCREW, 3/8" NC x 1-1/4"
	910324	2	NUT, 3/8" NC



DUMP CYLINDER ASSEMBLY PARTS

USAGE: * 3047601 CYLINDER ASSEMBLY, left
 ** 3047602 CYLINDER ASSEMBLY, right

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: See page 207 for listing of complete Assembly. Quantities indicated are for one (1) Cylinder only.				
1	3001538	1	1	SEAL, wiping, piston rod
2	3016405	1	1	PLATE, piston rod
3	3007904	4	4	CAPSCREW, drilled-hd., 3/8" NC x 1-1/2"
4	3001085	1	1	WIRE, locking, 16 Ga. x 17"
5	3016601	1	1	BEARING, rod packing
6	3046830	1	1	PACKING SET, rod
7	3042745	1	1	HEAD ASSEMBLY, cylinder (Includes items 1 thru 6)
	924734	1	1	O-RING, sealing
8	3019967	1	1	RING, back-up
9	{ 3047599	1	-	TUBE ASSEMBLY, left (Includes items 10 and 11)
	3047600	-	1	TUBE ASSEMBLY, right (Includes items 10 and 11)
10	3048591	1	1	TUBE ASSEMBLY
11	3010347	2	2	BUSHING, tube assembly
12	{ 3048598	1	-	TUBE ASSEMBLY, left
	3048599	-	1	TUBE ASSEMBLY, right
	923718	1	1	O-RING, sealing
	904281	4	4	CAPSCREW, 3/8" NC x 2-1/4"
	904206	4	4	LOCKWASHER, 3/8"
13	3019133	1	1	CLIP, tube supporting
	915408	1	1	CAPSCREW, 3/8" NC x 3/4"
	911115	1	1	WASHER, plain, SAE std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
14	3001850	2	2	RING, bearing, piston
15	3042831	2	2	PISTON
16	3004549	1	1	PACKING SET, piston
17	3048975	1	1	ROD ASSEMBLY, piston (Includes item 18)
	924729	1	1	NUT, safety, 1-3/4" NC
18	3045092	1	1	BUSHING, rod assembly
19	3048832	1	1	REPAIR KIT, cylinder (Includes items 1, 4, 6, 8, 14, 16, and 1 O-RING 924734)



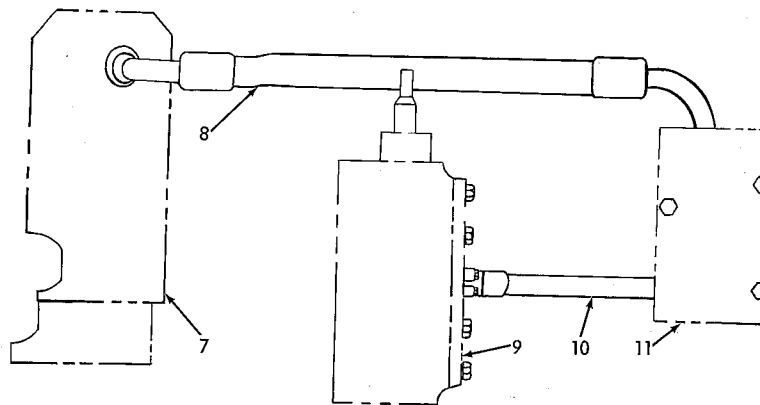
LIFT CYLINDER ASSEMBLY PARTS

T-70643

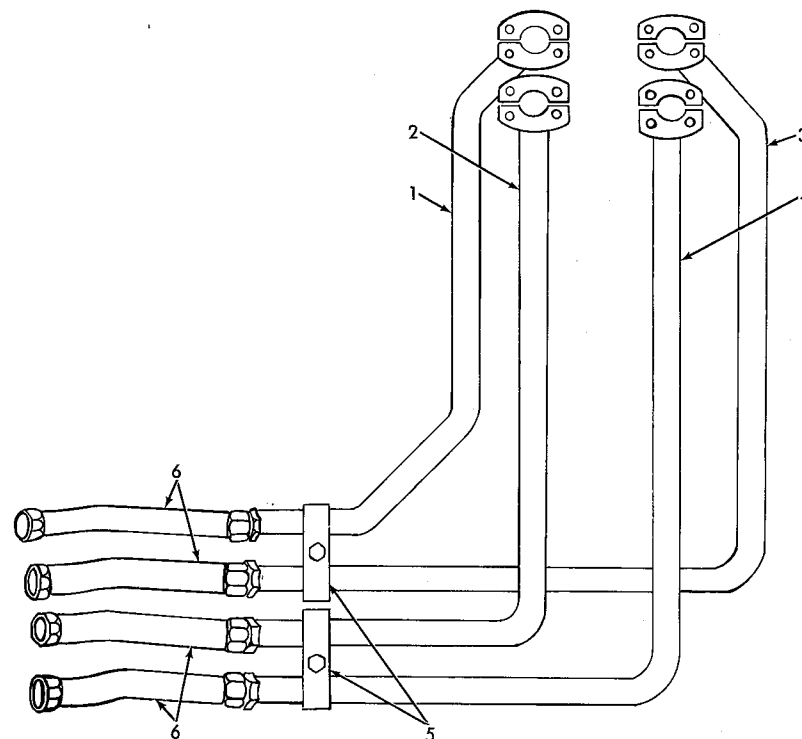
LIFT CYLINDER ASSEMBLY PARTS

USAGE: * 3045553 CYLINDER ASSEMBLY, left
 ** 3045554 CYLINDER ASSEMBLY, right

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: See page 207 for listing of complete Assembly. Quantities indicated are for one (1) Cylinder only.				
1	3045495	1	1	BUSHING, piston rod
2	3045508	1	1	ROD ASSEMBLY, piston (Includes item 1)
	914465	1	1	FITTING, lubricating, st., 1/8" NPT
3	3008139	1	1	SEAL, piston rod
4	3019937	1	1	PLATE, end, rod
5	3001090	4	4	CAPSCREW, drilled-hd., 1/2" x 1-3/4"
6	3010603	1	1	WIRE, locking, 16 Ga. x 22"
7	3019891	1	1	BEARING, rod packing
8	3048684	1	1	PACKING SET, rod
9	3045069	1	1	HEAD ASSEMBLY, cylinder (Includes items 3 thru 8)
	924195	1	1	O-RING, sealing
10	3019839	1	1	RING, back-up
11	3045496	2	2	PISTON, cylinder
12	3019828	2	2	RING, wear
13	3052043	1	1	PACKING SET, piston
14	3017556	1	1	NUT, safety
15	{ 3045545	1	-	TUBE, cylinder, left
	3045546	-	1	TUBE, cylinder, right
16	{ 3045515	1	-	TUBE ASSEMBLY, left
	3045516	-	1	TUBE ASSEMBLY, right
	916272	4	4	CAPSCREW, 3/8" NF x 1-1/4"
	904206	4	4	LOCKWASHER, 3/8"
	923718	1	1	O-RING, sealing, 1-5/16" I.D.
17	3019133	2	2	CLIP, tube supporting
	916225	2	2	CAPSCREW, 3/8" NF x 1"
	911115	2	2	WASHER, plain, SAE std., 3/8"
	904206	2	2	LOCKWASHER, 3/8"
18	609222	2	2	BUSHING, pivot ring
-	3048831	1	1	REPAIR KIT, cylinder (Includes items 3, 6, 8, 10, 12, 13 and 1 O-RING 924195)



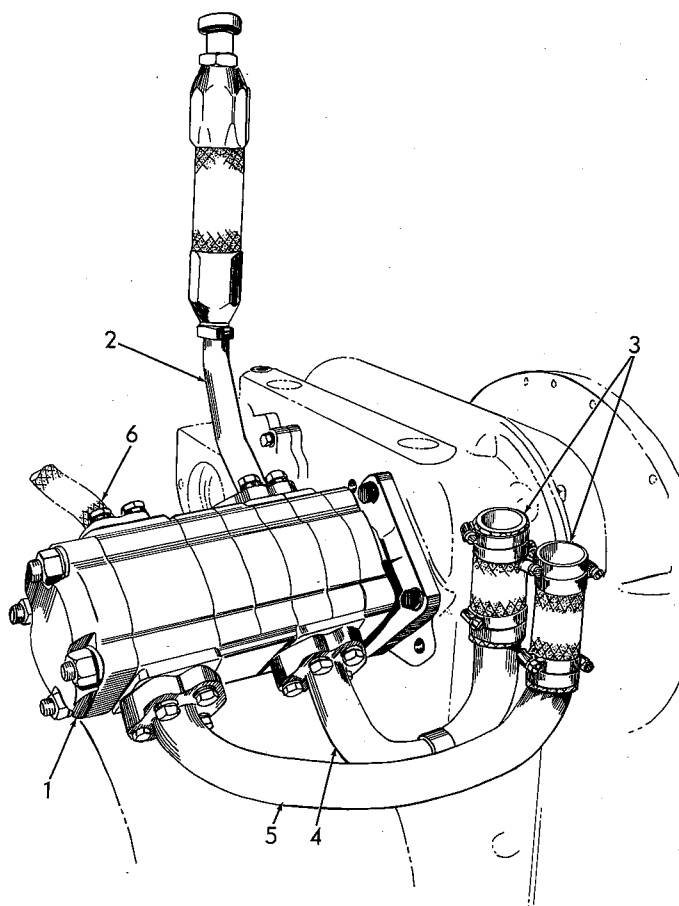
TOP VIEW



HYDRAULIC PIPING GROUP
(Rear Section)

HYDRAULIC PIPING GROUP (Rear Section)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047551	1	TUBE ASSEMBLY, boom lower
	923664	1	O-RING, sealing
	921117	2	FLANGE, half
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
2	3046726	1	TUBE ASSEMBLY, bucket dump
	923664	1	O-RING, sealing
	921117	2	FLANGE, half
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
3	3046727	1	TUBE ASSEMBLY, boom raise
	923664	1	O-RING, sealing
	921117	2	FLANGE, half
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
4	3046731	1	TUBE ASSEMBLY, bucket retract
	923664	1	O-RING, sealing
	921117	2	FLANGE, half
	916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	904207	4	LOCKWASHER, 7/16"
5	3045733	4	CLAMP, half, tube supporting
	920613	2	CAPSCREW, 3/8" NF x 3"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
6	3046771	4	HOSE ASSEMBLY, cross-over (Crimped-type) (Serviced only as a unit)
7	-----	-	See HYDRAULIC PUMP ASSEMBLY
8	3047550	1	HOSE ASSEMBLY, hydraulic pump to demand valve (Crimped-type) (Serviced only as a unit)
	924192	2	O-RING, sealing
	921117	4	FLANGE, half (2-5/16")
	916197	8	CAPSCREW, 7/16" NC x 1-1/4"
	904207	8	LOCKWASHER, 7/16"
9	-----	-	See HYDRAULIC TANK AND VALVE
10	3047542	1	HOSE ASSEMBLY, demand valve to hydraulic valve) (Crimped-type) (Serviced only as a unit)
	924192	2	O-RING, sealing
	921117	4	FLANGE, half (2-5/16")
	916197	8	CAPSCREW, 7/16" NC x 1-1/4"
	904207	8	LOCKWASHER, 7/16"
11	-----	-	See DEMAND VALVE



HYDRAULIC PUMP AND PIPING

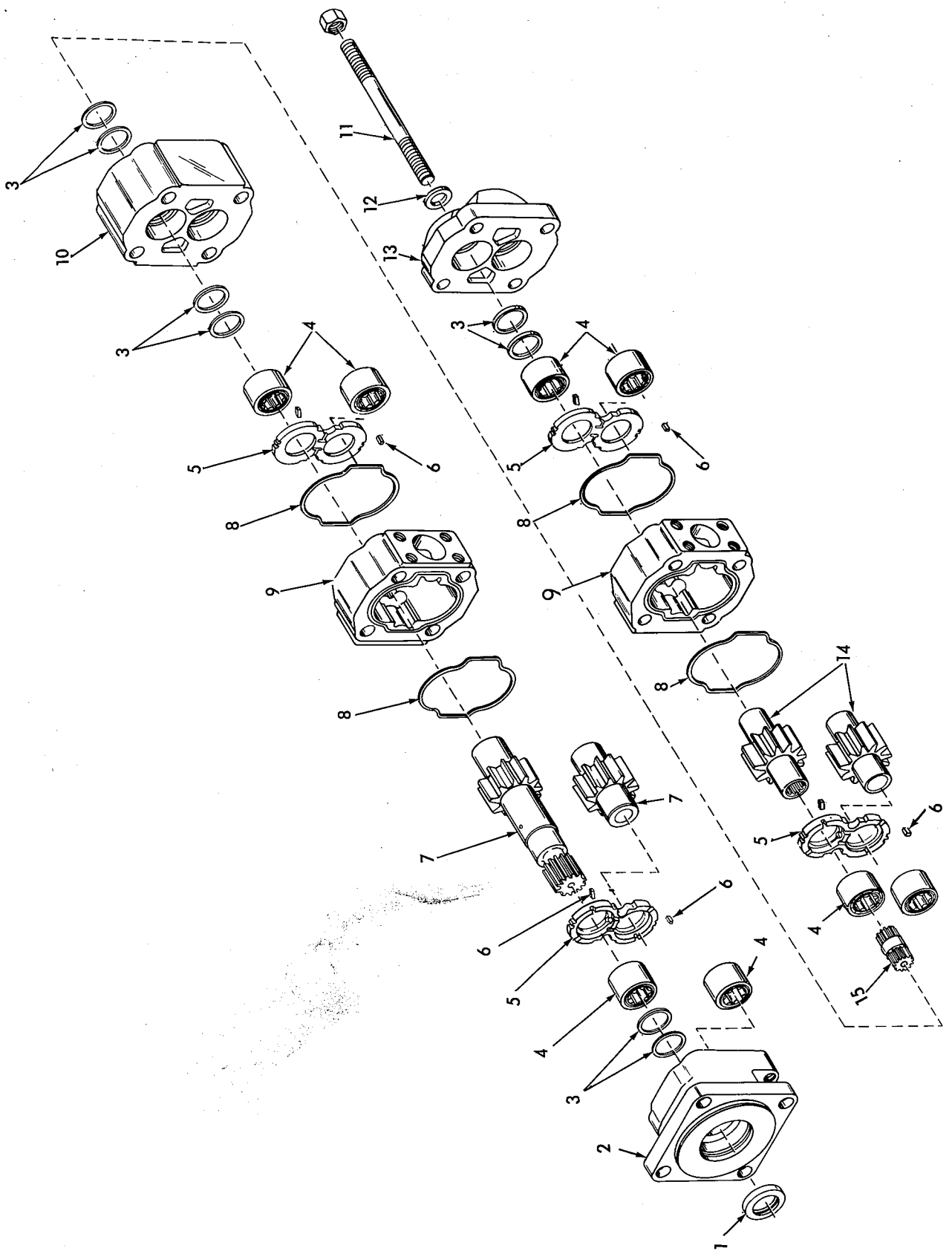
T-73141

ITEM	PART NO.	QTY.	DESCRIPTION
1	3046804	1	PUMP ASSEMBLY, hydraulic (See page 219 for parts)
	919048	4	CAPSCREW, 1/2" NF x 1-5/8"
	904208	4	LOCKWASHER, 1/2"
2	3047553	1	HOSE ASSEMBLY, pump to valve
	924192	2	O-RING, sealing
	921117	4	FLANGE, half, 2-5/16"
	916197	8	CAPSCREW, 7/16" NC x 1-1/4"
	904207	8	LOCKWASHER, 7/16"
3	3015429	2	HOSE, connecting, 1-1/2" I. D. x 7" (Used prior to loader serial #1083)
	921912	8	CLAMP, adjustable, 1-1/16" to 2"
	3005005	2	HOSE, connecting, 2" I. D. x 5" (Effective with loader serial #1083)
	921913	8	CLAMP, adjustable, 1-13/16" to 2-3/4"

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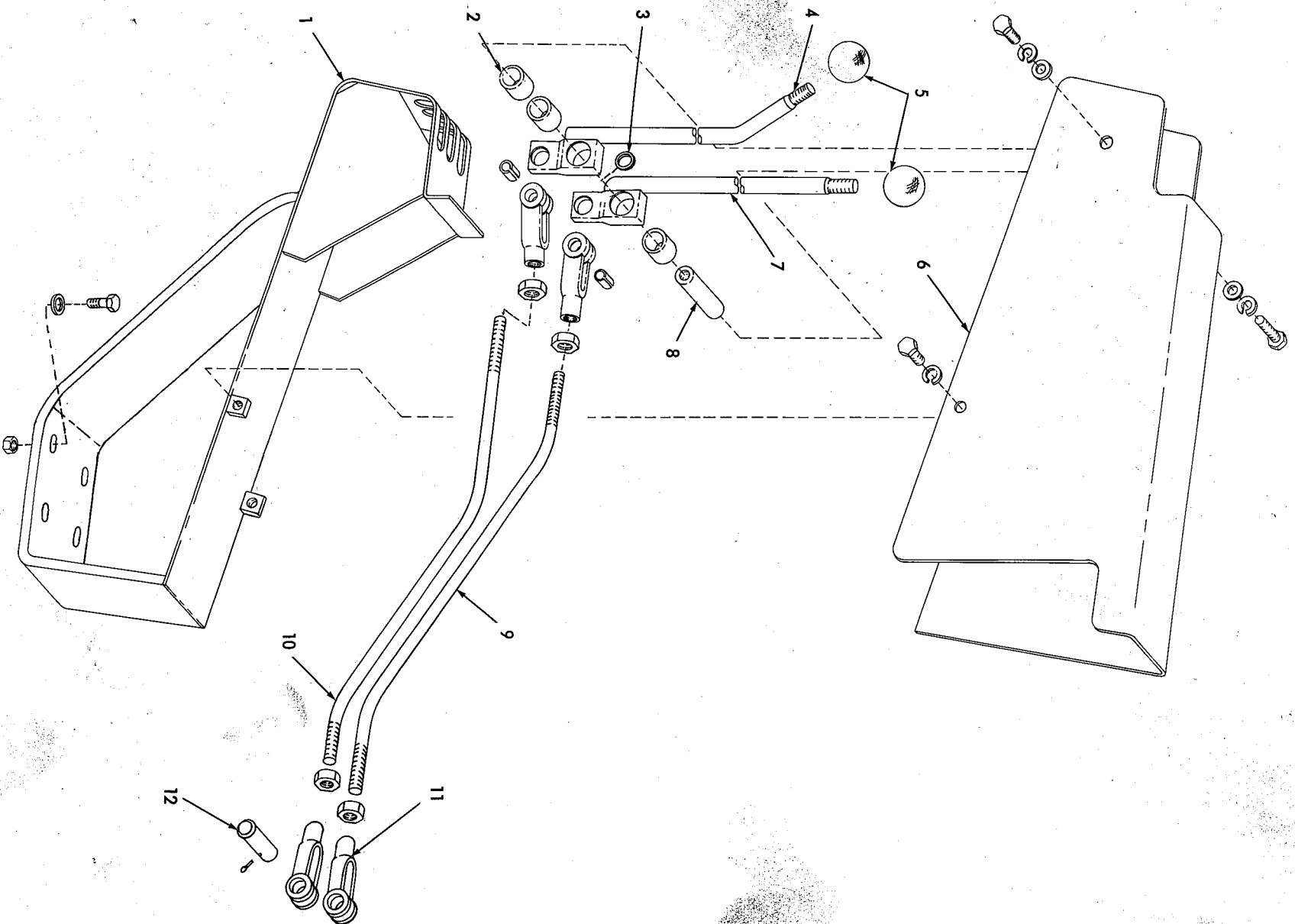
HYDRAULIC PUMP AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	3047320	1	TUBE ASSEMBLY (Used prior to loader serial #1083)
	3050497	1	TUBE ASSEMBLY (Effective with loader serial #1083)
	924193	1	O-RING, sealing
	921118	2	FLANGE, half, 2-3/4"
	916311	4	CAPSCREW, 1/2" NC x 1-1/4"
5	904208	4	LOCKWASHER, 1/2"
	3047321	1	TUBE ASSEMBLY (Used prior to loader serial #1083)
	3050498	1	TUBE ASSEMBLY (Effective with loader serial #1083)
	924193	1	O-RING, sealing
	921118	2	FLANGE, half, 2-3/4"
6	916311	4	CAPSCREW, 1/2" NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
	-----	-	See HYDRAULIC PIPING GROUP (Rear section)



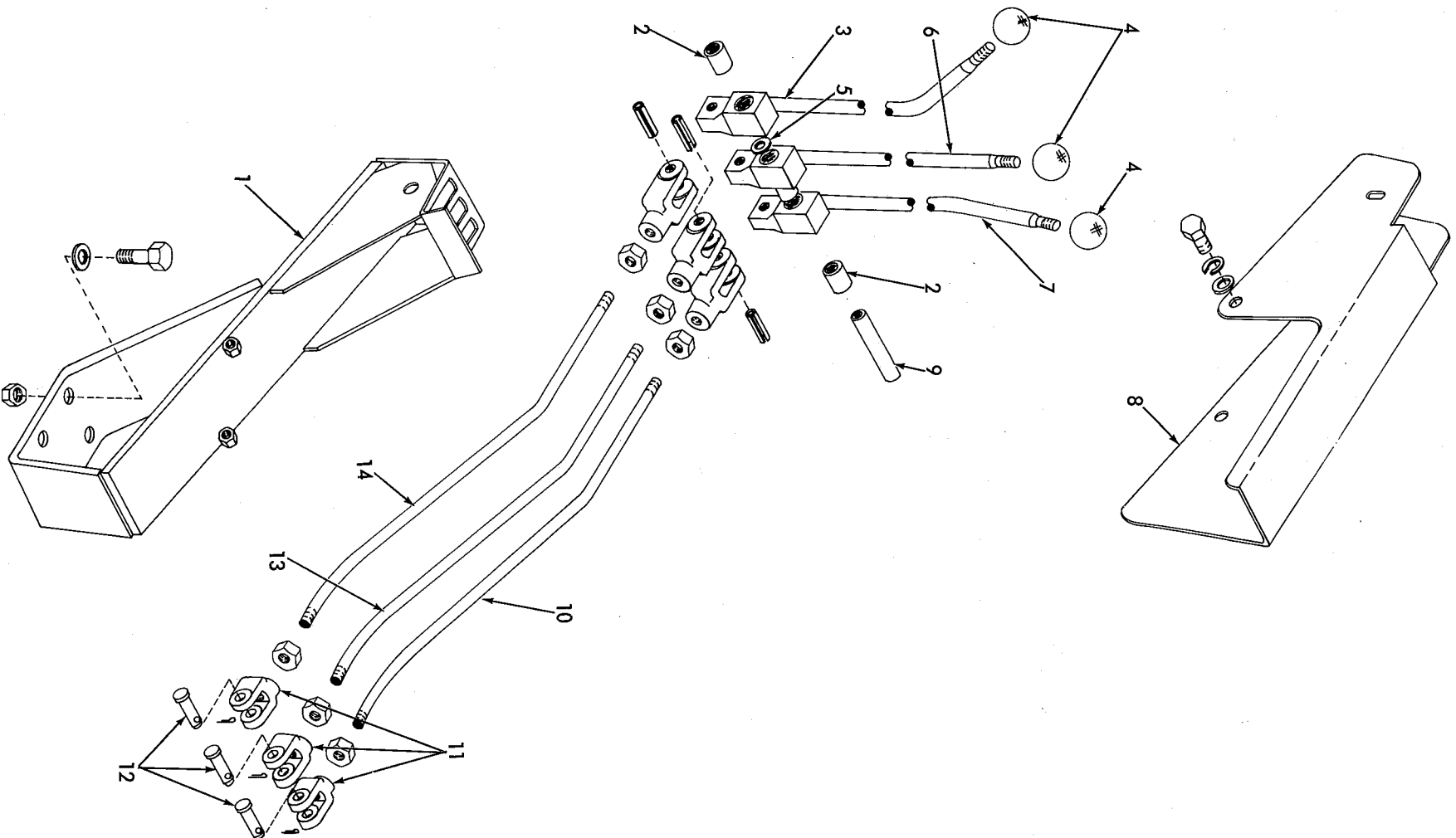
HYDRAULIC PUMP ASSEMBLY 3046804

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: See page 216 for listing of complete Assembly.			
1	3044045	1	SEAL, oil, end cover
2	3048034	1	COVER ASSEMBLY, end (Includes 2 RING 3044046, 2 BEARING 3044047 and item 1)
3	3044046	8	RING, seal
4	3044047	8	BEARING, roller
5	3044031	4	PLATE, wear
6	3046521	1	SEAL, pocket, wear plate (One strip-cut to fit pockets)
7	3048037	1	GEAR SET (Consist of drive gear and driven gear)
8	3044039	4	RING, seal, gear housing
9	3048036	2	HOUSING, gear
10	3048038	1	CARRIER ASSEMBLY, bearing (Includes 4 RING 3044046 and 4 BEARING 3044047)
11	3048040	4	STUD, pump assembly
12	3044043	4	WASHER, plain
	923459	4	NUT, 5/8" NC
13	3048035	1	COVER ASSEMBLY, port end (Includes 2 RING 3044046 and 2 BEARING 3044047)
14	3048039	1	GEAR SET (Consist of drive gear and driven gear)
15	3044036	1	SHAFT, connecting



HYDRAULIC CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047364	1	SUPPORT, control lever
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	915779	2	CAPSCREW, 1/2" NF x 2"
	900818	4	WASHER, plain, U. S. S., 1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2" NF
2	3007065	3	BUSHING, control lever
3	3002322	1	SPACER, control lever
4	3047382	1	LEVER ASSEMBLY, control
	917666	1	YOKE, adjustable, 1/2" NF
	922419	1	PIN, roll, yoke, 1/2" x 1-1/8"
5	3001171	2	KNOB, control lever
6	3048874	1	PLATE, cover, hydraulic control
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
	911115	4	WASHER, plain, SAE std., 3/8"
7	3047360	1	LEVER ASSEMBLY, control
	917666	1	YOKE, adjustable, 1/2" NF
	922419	1	PIN, roll, yoke, 1/2" x 1-1/8"
8	3044642	1	SHAFT, pivot, control lever
9	3046429	1	ROD, control
	913177	2	NUT, jam, 1/2" NF
10	3046428	1	ROD, control
	913177	2	NUT, jam, 1/2" NF
11	3043676	2	YOKE, end
12	3025958	2	PIN, yoke
	900806	2	PIN, cotter, 1/8" x 1"



HYDRAULIC CONTROL
(Three Spool Valve)

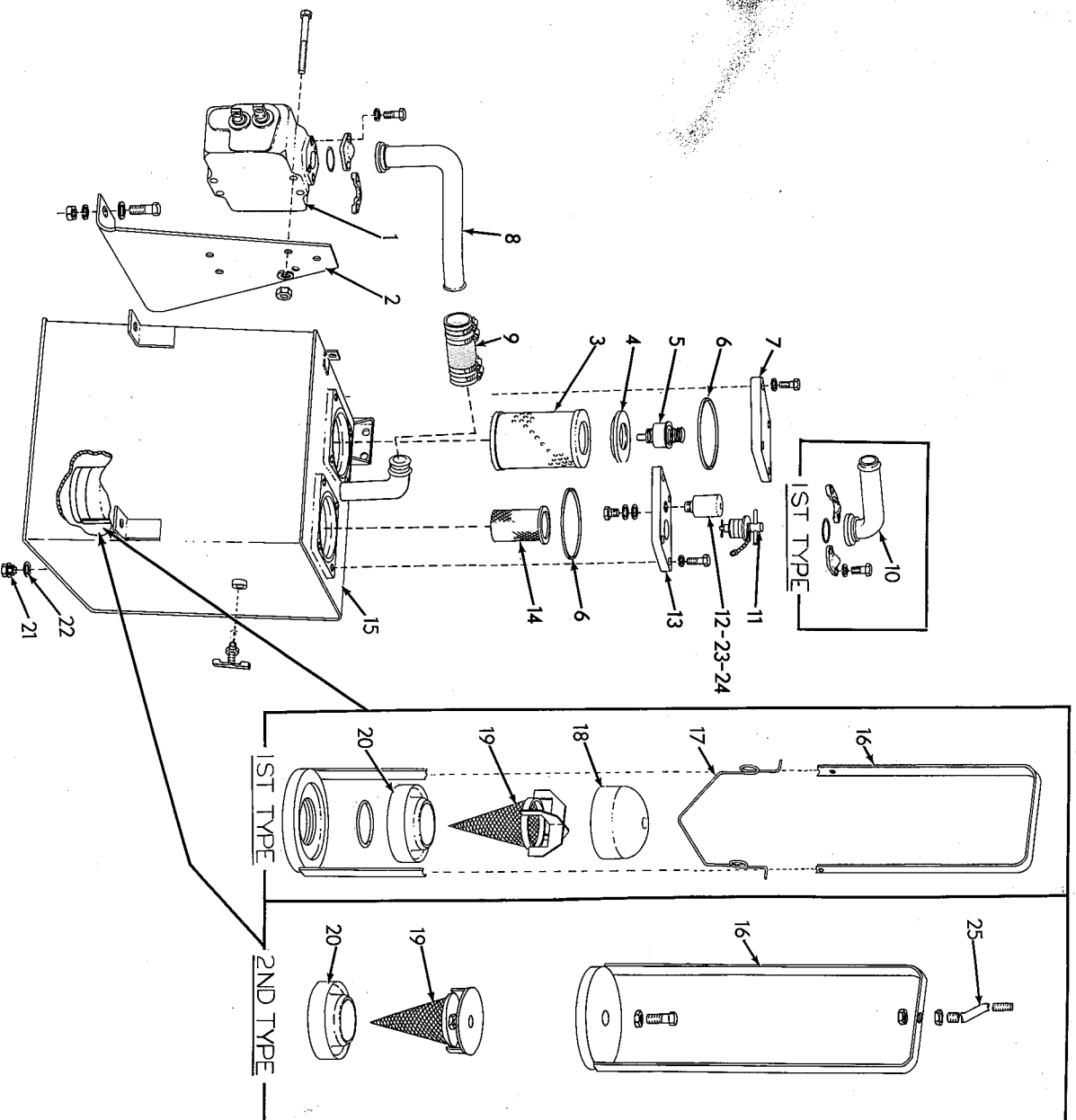
222

T-71670

HYDRAULIC CONTROL (Three Spool Valve)

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	3047364	1	SUPPORT, control lever
	916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	915779	2	CAPSCREW, 1/2" NF x 1-1/4"
	900818	4	WASHER, plain, U.S.S., 1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2" NF
2	3007065	3	BUSHING, control lever
3	3047382	1	LEVER, control, hydraulic
4	3001171	3	KNOB, control lever
5	3002322	1	SPACER, control lever
6	3047360	1	LEVER, control, hydraulic
7	3047438	1	LEVER, control, hydraulic
8	3048874	1	PLATE, cover, hydraulic control
	916381	2	CAPSCREW, 3/8" NF x 3/4"
	915408	2	CAPSCREW, 3/8" NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
	911115	4	WASHER, plain, SAE std., 3/8"
9	3044642	1	SHAFT, pivot, control lever
10	3047641	1	ROD, control
	917666	1	YOKE, adjustable, 1/2" NF
	913177	2	NUT, jam, 1/2" NF
	922419	1	PIN, roll, yoke, 1/2" x 1-1/8"
11	3043676	3	YOKE, adjustable
12	3025958	3	PIN, yoke
	900806	3	PIN, cotter, 1/8" x 1"
13	3047642	1	ROD, control
	917666	1	YOKE, adjustable, 1/2" NF
	913177	2	NUT, jam, 1/2" NF
	922419	1	PIN, roll, yoke, 1/2" x 1-1/8"
14	3046428	1	ROD, control



HYDRAULIC TANK AND VALVE

PART NO.	QTY.	DESCRIPTION
1 { 3046408	1	VALVE ASSEMBLY, control (See page 227 for parts)
1 { 3047466	1	VALVE ASSEMBLY, control, 3 spool (See page 227 for parts)
923909	4	CAPSCREW, 1/2" NC x 5-1/2"
910210	4	LOCKWASHER, external teeth, 1/2"
910325	4	NUT, 1/2" NC
2 3045864	1	BRACKET, valve mounting
916383	1	CAPSCREW, 3/8" NF x 1-1/2"
911115	1	WASHER, plain, SAE std., 3/8"
904206	1	LOCKWASHER, 3/8"
911041	1	NUT, 3/8" NF
913249	2	CAPSCREW, 1/2" NF x 1-1/4"
910244	2	WASHER, plain, SAE std., 1/2"
904208	2	LOCKWASHER, 1/2"
911043	2	NUT, 1/2"
3 3042912	1	ELEMENT, filter, hydraulic oil
4 3045784	1	PLATE, mounting, by-pass valve
5 3045861	1	VALVE ASSEMBLY, by-pass (Serviced only as a unit)
6 3044845	2	RING, seal, rectangular
7 3045324	1	COVER, oil filter
919215	4	CAPSCREW, 3/8" NF x 1-1/2"
904206	4	LOCKWASHER, 3/8"
8 3045859	1	TUBE ASSEMBLY
923578	1	O-RING, sealing
921118	2	FLANGE, split (2-3/4")
915987	4	CAPSCREW, 1/2" NC x 1-1/2"
904208	4	LOCKWASHER, 1/2"
9 3006439	1	HOSE, 1-1/2" I. D. x 4-3/4"
921912	4	CLAMP, adjustable (1-1/16" to 2")
10 3045855	1	TUBE ASSEMBLY (Used prior to loader serial #1083)
923587	1	O-RING, sealing
921118	2	FLANGE, split (2-3/4")
915987	4	CAPSCREW, 1/2" NC x 1-1/2"
904208	4	LOCKWASHER, 1/2"
11 3046080	1	CAP ASSEMBLY, oil filler (Serviced only as a unit)
12 3044225	1	VALVE ASSEMBLY, vacuum relief (Includes 1 O-RING 923719, 1 O-RING 923559 and items 23 and 24)
13 3044842	1	COVER, strainer
919215	4	CAPSCREW, 3/8" NF x 1-1/2"
904206	4	LOCKWASHER, 3/8"
14 3044791	1	STRAINER, oil filler
919235	3	CAPSCREW, 3/8" NF x 5/8"
900817	3	WASHER, plain, U.S. std., 3/8"
904206	3	LOCKWASHER, 3/8"

HYDRAULIC TANK AND VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	3046872	1	TANK, hydraulic (Used prior to loader serial #1083)
	3050671	1	TANK, hydraulic (Effective with loader serial #1083)
	913249	4	CAPSCREW, 1/2" NF x 1-1/4"
	910244	4	WASHER, plain, SAE std., 1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2" NF
	916873	1	COCK, drain, 3/8" NPT
16	3045887	1	CAGE, strainer and magnet (Used prior to loader serial #1083)
	923922	1	O-RING, sealing
	3050577	1	HANDLE, strainer (Effective with loader serial #1083)
	916271	1	CAPSCREW, 3/8" NC x 1"
	904206	1	LOCKWASHER, 3/8"
	910324	1	NUT, 3/8" NC
17	3045873	1	BAIL, baffle retaining (Used prior to loader serial #1083)
18	3019231	1	BAFFLE, retaining (Used prior to loader serial #1083)
19	3032277	1	STRAINER, hydraulic oil (Used prior to loader serial #1083)
	185203	1	STRAINER, hydraulic oil (Effective with loader serial #1083)
20	3011349	1	MAGNET, strainer (Used prior to loader serial #1083)
	185202	1	MAGNET, strainer (Effective with loader serial #1083)
21	3010159	1	PLUG ASSEMBLY, drain (Includes item 22)
22	3010158	1	GASKET, drain plug
23	3046509	2	RING, lock
24	3046508	1	FILTER, valve assembly
25	3050679	1	ROD, connecting (Effective with loader serial #1083)
	912772	2	NUT, jam, 3/8" NC

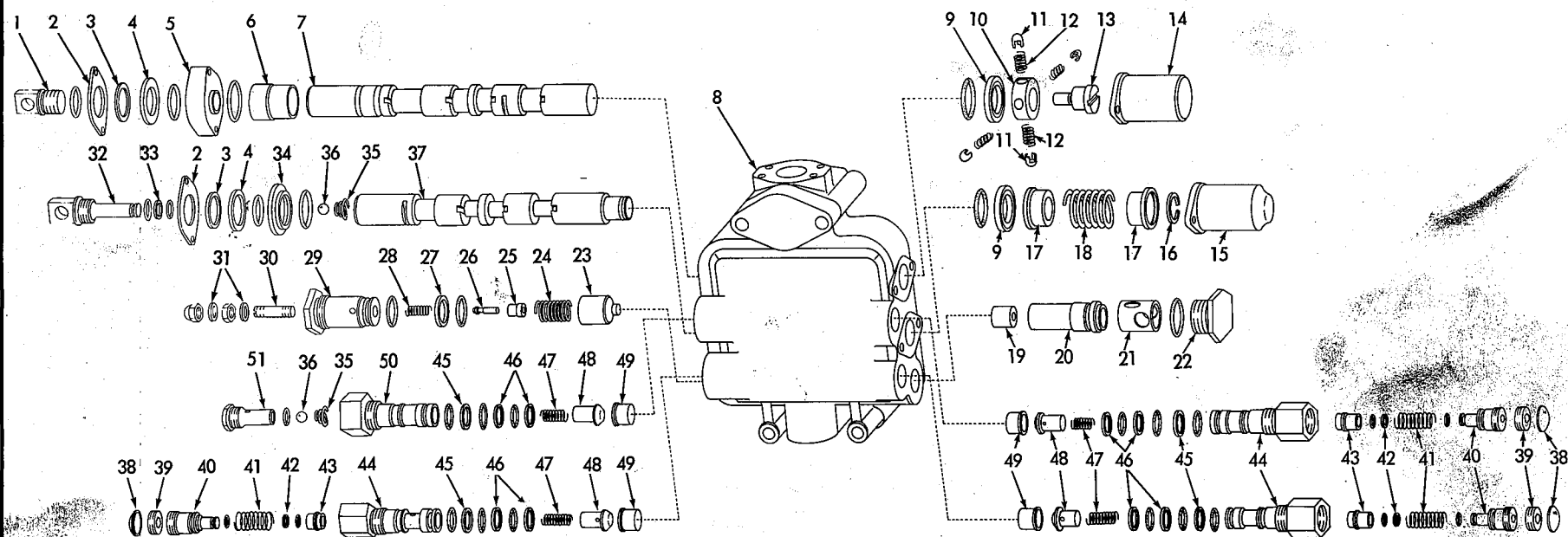
CONTROL VALVE ASSEMBLY PARTS

USAGE: * 3046408 VALVE ASSEMBLY (2-spool type) Std.

** 3047466 VALVE ASSEMBLY (3-spool type) optional equipment

ITEM	PART NO.	QTY. * **	DESCRIPTION
NOTE: See page 225 for listing of complete Assembly.			
1	3044737	1 1	EYE, spool boom
	921206	1 1	O-RING, sealing
2	3046986	1 1	SEAL ASSEMBLY (Consists of items 2 thru 6)
2	3044730	2 3	RETAINER, wiper
	905664	2 2	SCREW, retainer, boom spool
	3046952	2 2	SCREW, retainer, bucket spool
	904205	2 2	LOCKWASHER, 5/16"
3	3044729	2 3	WIPER, spool
4	3044728	2 3	RETAINER, seal and wiper
5	-----	1 1	HOUSING, extension seal
	923813	1 2	O-RING, sealing (1-3/8" I. D.)
	924038	1 1	O-RING, sealing
6	3044725	1 1	SLEEVE, wear spool
7	-----	1 1	SPOOL, boom (Not serviced, order Valve Assembly)
8	-----	1 1	BODY, valve (Not serviced, order Valve Assembly)
	3044586	- 1	PLUG ASSEMBLY (Includes 1 O-RING 921883)
	3047008	1 1	PLUG ASSEMBLY (Includes 1 O-RING 921883)
9	3044690	2 3	RETAINER, seal
	923664	1 1	O-RING, sealing (boom spool)
	923813	1 2	O-RING, sealing (bucket spool)
10	3050690	1 1	RETAINER, poppet
11	3044741	4 4	POPPET, detent boom spool
12	3044742	4 4	SPRING, detent boom spool
13	3044740	1 1	END, spool, boom
14	3044743	1 1	COVER, detent boom spool
	3044696	2 4	SCREW, cover
15	3044695	1 2	COVER, spool, bucket
	3044696	2 4	SCREW, cover
16	3044694	1 2	RING, snap
17	3044692	2 4	RETAINER, spring
18	3044693	1 2	SPRING, return
19	3044744	1 1	SEAT, main relief valve
20	3044744	1 1	HOLDER, relief seat
21	3044746	1 1	SPACER, seat holder
22	3044747	1 1	PLUG, end, relief valve (Includes 1 O-RING 921235)
	921235	2 2	O-RING, sealing

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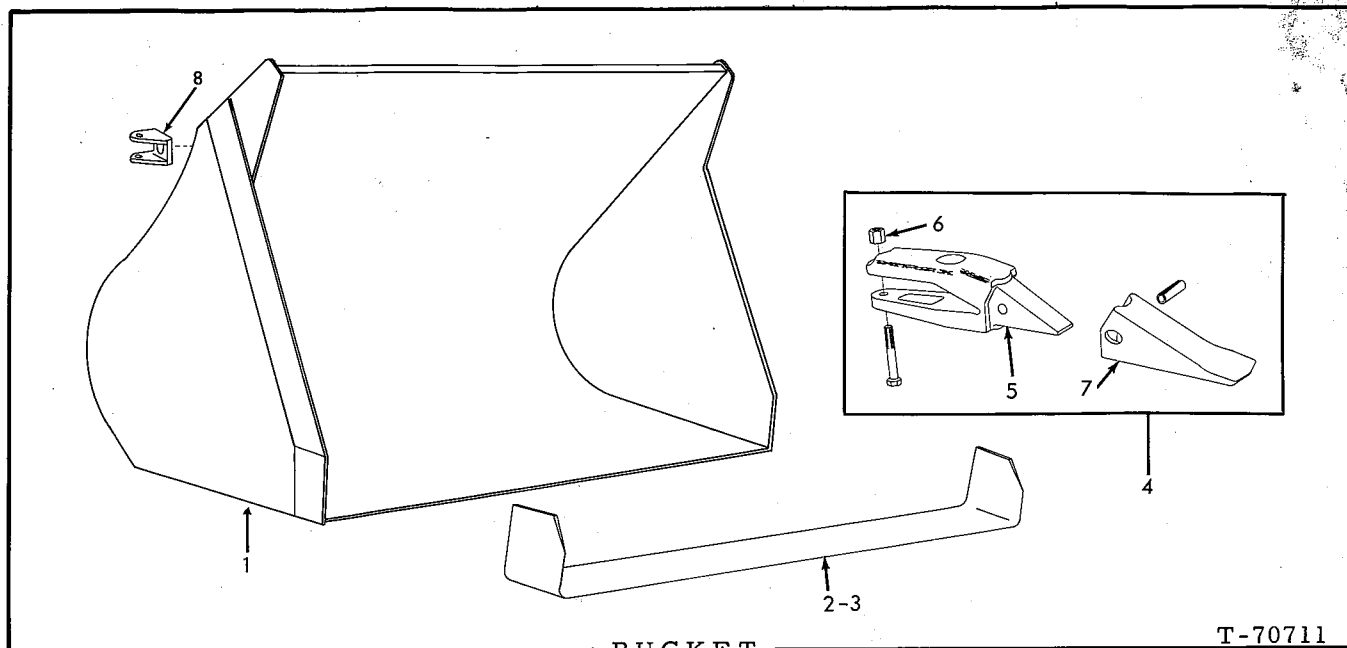
CONTROL VALVE ASSEMBLY PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
23	3044748	1	1	PLUNGER, relief valve
24	3044749	1	1	SPRING, plunger
25	3044751	1	1	SEAT, pilot relief
26	3047097	1	1	PLUNGER, relief valve
27	3044753	1	1	RING, back-up
	923811	1	1	O-RING, sealing
28	3044754	1	1	SPRING, relief valve
29	3044755	1	1	CAP, main relief valve
	921235	1	1	O-RING, sealing
30	3044756	1	1	SCREW, adjusting, main relief valve
31	3044758	2	2	SEAL, adjusting screw (Washer type)
	913463	1	1	NUT, acorn
	3044759	1	1	NUT, adjusting screw
32	3046944	1	1	EYE, spool
	921206	1	1	O-RING sealing
-	3047112	1	1	SEAL ASSEMBLY (Consists of items 2 thru 4, item 33 and 2 SCREW 3046952)
33	3046946	1	1	RING, back-up
	923561	1	1	O-RING, sealing
34	3046951	1	1	RETAINER, extension
	923578	1	1	O-RING, sealing (1-7/8" I. D.)
	923813	1	1	O-RING, sealing (1-3/8" I. D.)
35	3046945	2	2	SPRING, return
36	3044770	2	2	BALL, make-up
37	-----	1	1	SPOOL, dump (Not serviced, order Valve Assembly)
	-----	-	1	SPOOL, auxiliary (Not serviced, order Valve Assembly)
38	3046947	3	3	PLUG, expansion
39	3046949	3	3	NUT, locking
40	3046950	3	3	GUIDE, spring
	923849	3	3	O-RING, sealing
41	3044587	3	3	SPRING, return, relief
42	3039640	3	3	RING, back-up
	923560	3	3	O-RING, sealing
43	3044682	3	3	POPPET, relief
44	3046520	-	2	CAP, check
	3046948	3	3	CAP, check
	921214	3	3	O-RING, sealing
	923566	3	3	O-RING, sealing

(Continued)

CONTROL VALVE ASSEMBLY PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
45	3044768	4	8	RING, back-up
	923988	4	6	O-RING, sealing (15/16" I. D.)
	921214	1	3	O-RING, sealing (1-11/64" I. D.)
46	3044766	8	9	RING, back-up
	923566	1	3	O-RING, sealing (7/8" I. D.)
47	3044735	4	6	SPRING, poppet
48	3044734	4	6	POPPET, check
49	3044733	4	2	SEAT, poppet
	3048330	-	4	SEAT, check (long) (Used with check poppets for bucket accessory spools)
50	3044764	1	1	CAP, check
	921214	1	1	O-RING, sealing
51	3044771	1	1	SEAT, make-up
	921206	1	1	O-RING, sealing
-	3044672	-	1	SEAL ASSEMBLY (Consists of items 2 thru 4, 1 O-RING 923813 and 2 SCREW 3044696)



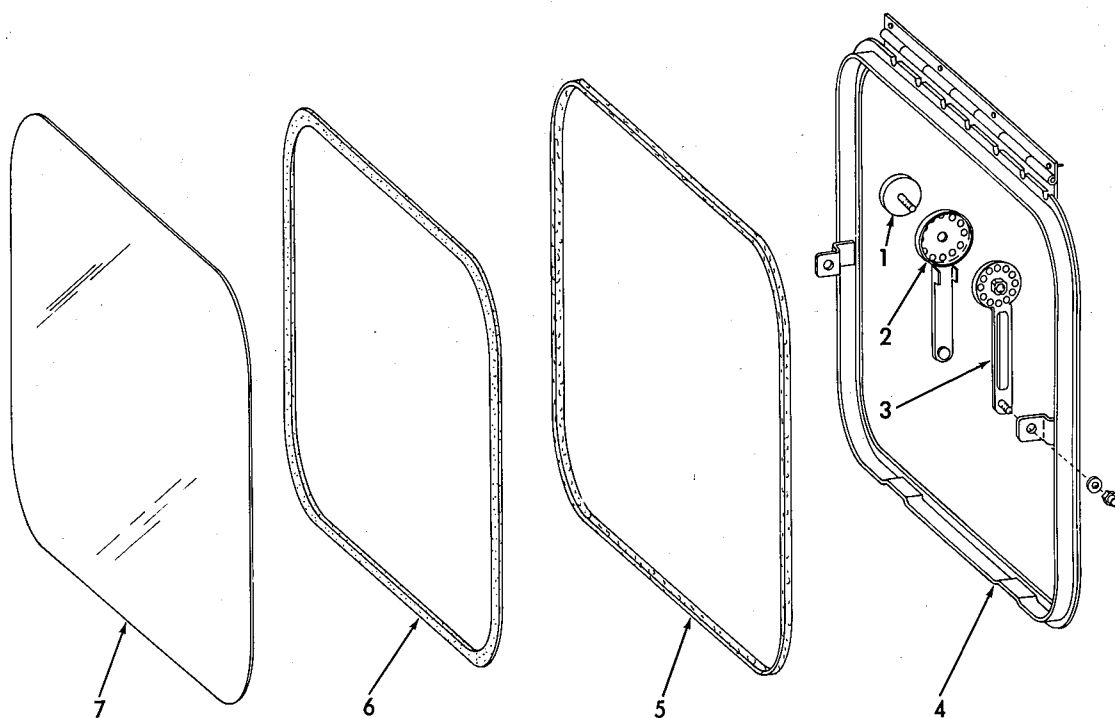
BUCKET

T-70711

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048359	1	BUCKET ASSEMBLY (3 cu.yd.) (115" wide) (Includes item 2) (Machinery item)
	3048140	1	BUCKET ASSEMBLY (3-1/2" cu.yd.) (115" wide) (Includes item 2) (Machinery item)
	3047921	1	BUCKET ASSEMBLY (4 cu.yd.) (115 wide) (Includes item 2) (Machinery item)
	3048889	1	BUCKET ASSEMBLY (4-1/2" cu. yd.) (115 wide) (Includes item 2) (Machinery item)
	3048358	1	BUCKET ASSEMBLY (5 cu.yd.) (115" wide) (Includes item 2) (Machinery item)
2	3047800	1	EDGE, cutting (heat treated) 3/4" thick x 115"
	921247	36	RIVET, ctsk. hd., 1/2" x 2-1/8"
	904396	6	RIVET, ctsk. hd., 1/2" x 1-3/4"
4	3032628	10	TOOTH ASSEMBLY, bucket (Includes items 5 thru 7)
5	3032200	10	SHANK, bucket tooth
	3033513	20	CAPSCREW, 5/8" NF x 3-1/2"
6	3033441	20	NUT, high, 5/8" NF
7	3020853	10	POINT, shank
	921200	10	PIN, roll, 1/2" x 2-3/4"
8	3031513	4	STOP, pin

PAINTING AND MARKING
(Not Illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
1	925105	-	ENAMEL, A-C yellow, quart can
	921398	-	ENAMEL, black, quart can
2	925106	-	ENAMEL, A-C yellow, gallon can
3	925107	-	ENAMEL, A-C yellow, 5 gallon can
4	921097	-	ENAMEL, cream 12 oz. pressurized spray-type can
	925104	-	ENAMEL, A-C yellow, 12 oz. pressurized spray-type can
5	924555	3	DECAL (ALLIS-CHALMERS) pressure-sensitive type) (Applied to engine hood/hydraulic tank bonnet (2) and bumper (1) and counterweight (1))
6	924320	2	TRANSFER (Trademark) (Applied to engine hood)
7	3023171	1	STICKER, instruction, clutch release (Applied to front of hydraulic tank bonnet)
8	3048897	1	STICKER, "TRANSMISSION" (Applied to instrument panel)
9	3024429	1	STICKER, stopping of engine instruction (Applied to instrument panel)
10	3048885	3	EMBLEM, "745", model designation (Applied to radiator support (2) and cowl (1))
11	3043975	1	STICKER, hydraulic control instruction (Applied to hydraulic control cover plate)
12	3048898	1	STICKER, transmission control instruction (Applied to top of transmission control assembly)
13	3043977	1	STICKER, hydraulic tank instruction (Applied to front of hydraulic tank bonnet)
14	3043983	1	STICKER, rear axle disconnect instruction (Applied to hydraulic control cover plate)
15	924306	1	TRANSFER (Trademark) (Applied to cowl)
16	3046049	4	STICKER, pressure relief, lift cylinder (Applied above lift cylinder bearing and adjacent to extension fitting for inner bearing)
17	3046066	1	STICKER, air restriction indicator (Applied to front of hydraulic tank bonnet)
18	3050281	1	STICKER, warning, low air pressure (Applied to instrument panel)
19	3048844	1	DECAL KIT (Consists of items 5 thru 19)
20	3047241	1	TAG, coolant, radiator
21	924307	1	DECAL (Trademark) (Applied to cowl)
22	3048886	1	PLATE, lubrication guide



REAR WINDOW ASSEMBLY 3050717

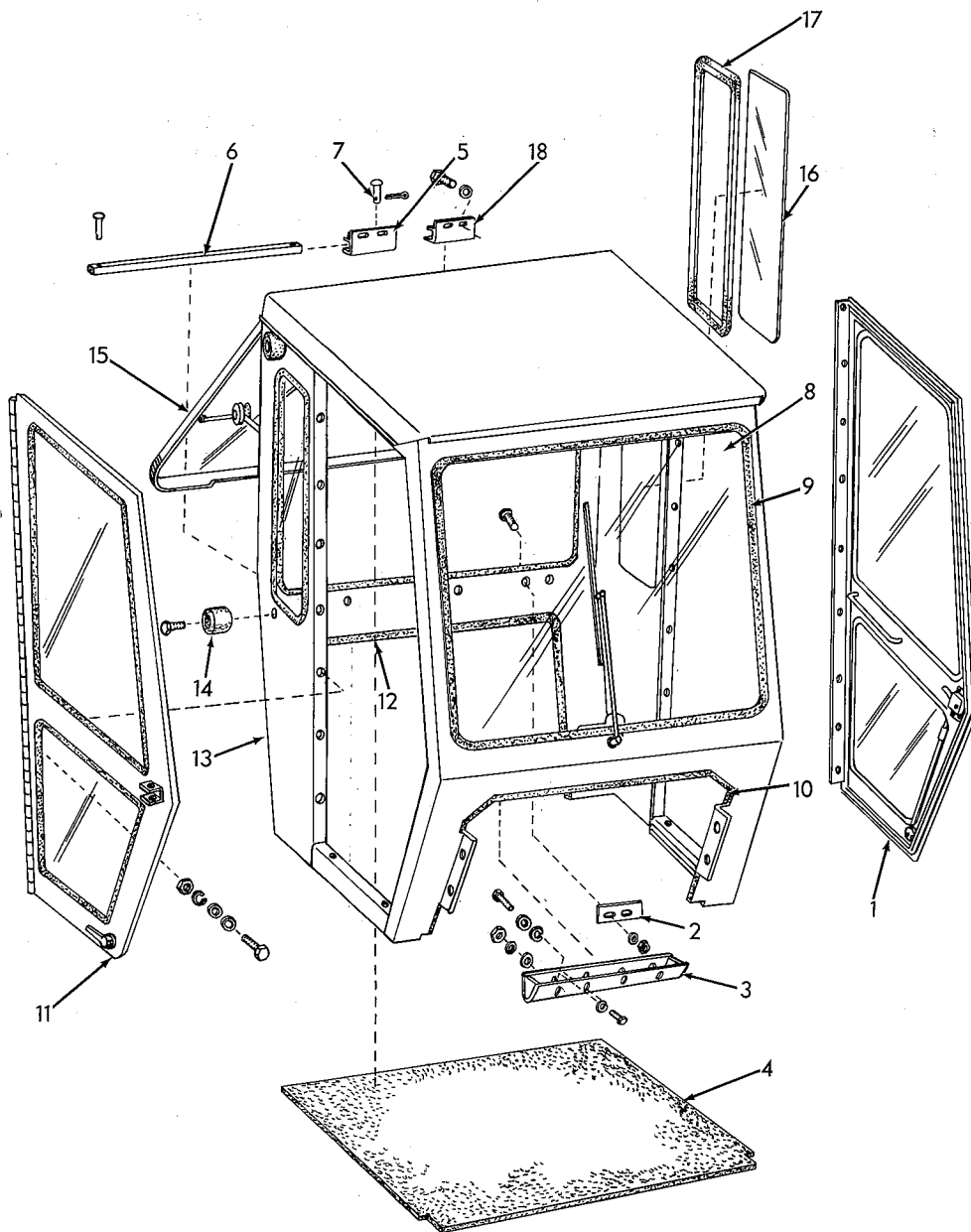
T-71587

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: See page 235 for listing of complete Assembly.

-	{ 3041651	1	ARM ASSEMBLY, left (Includes items 1 thru 3)
	{ 3041650	1	ARM ASSEMBLY, right (Includes items 1 thru 3)
1	3041782	2	KNOB, locking, window
2	{ 3039858	1	ARM, window, left (female)
	{ 3039852	1	ARM, window, right (female)
3	3039853	2	ARM, rear window, left and right (male)
	911115	4	WASHER, plain, SAE std., 3/8"
	3039856	4	NUT (flexloc) 3/8" NC
4	-----	1	FRAME, rear (Not serviced, order 3050717)
5	3050748	1	GASKET, rear frame (Cement to rear frame)
6	3050747	1	STRIP, weather, rear glass
7	-----	1	GLASS, rear window (Not serviced, refer to Glass Manual 626019)



CAB

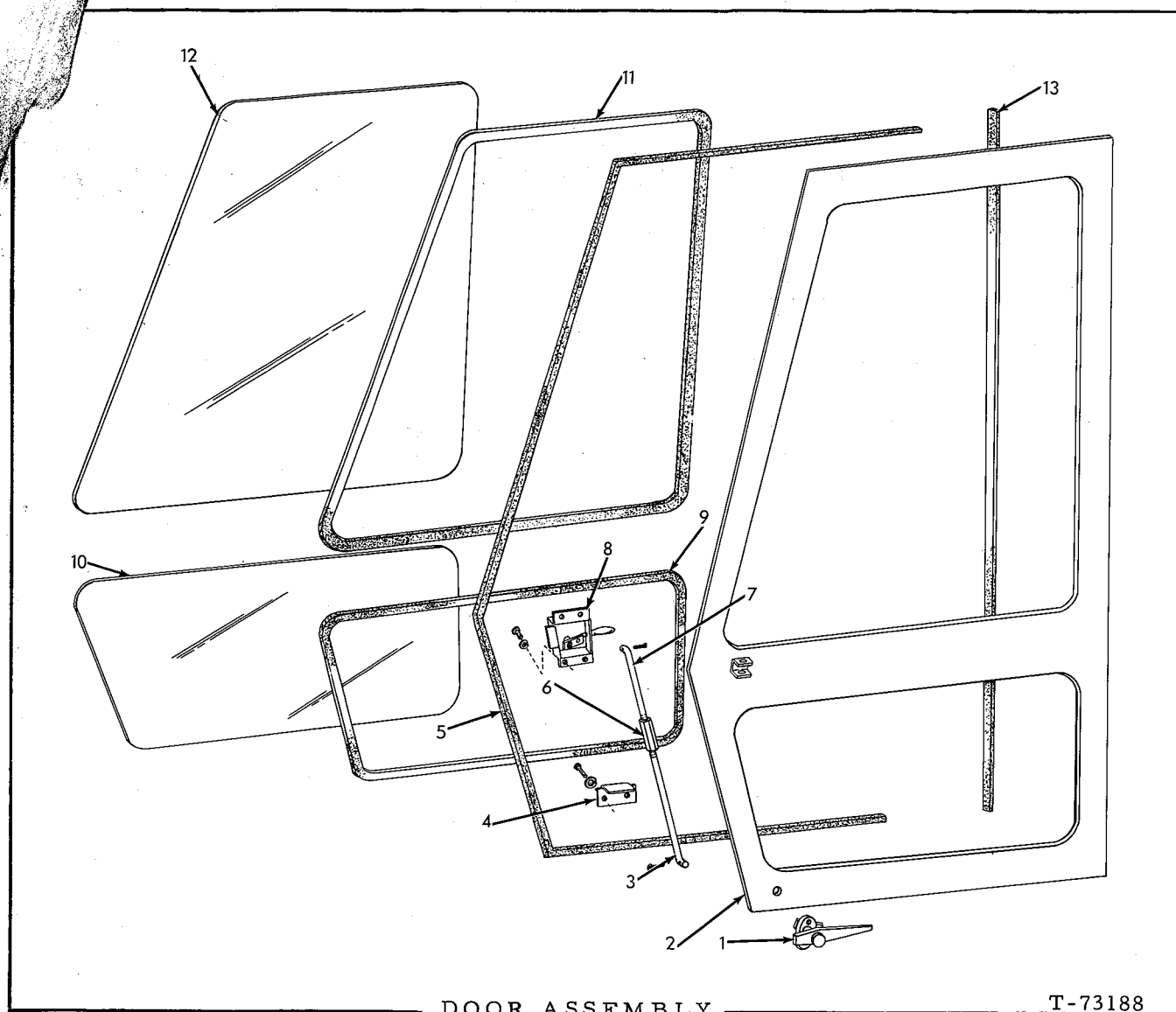
T-73205

ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	-	CAB ASSEMBLY (See Machinery Manual)
	903775	8	CAPSCREW, 3/8" NC x 7/8"
	911115	16	WASHER, plain, SAE std., 3/8"
	904206	8	LOCKWASHER, 3/8"
	916950	8	NUT, 3/8" NC
	918683	8	CAPSCREW, 1/2" NC x 1-1/4"
	910244	16	WASHER, plain, SAE std., 1/2"
	904208	8	LOCKWASHER, 1/2"
	910325	8	NUT, 1/2"

(Continued)

C A B (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
1	3050716	1	DOOR ASSEMBLY, left (See page 236 for parts)
	903773	9	CAPSCREW, 5/16" NC x 1-1/4"
	910335	18	WASHER, plain SAE std., 5/16"
	904205	9	LOCKWASHER, 5/16"
	910323	9	NUT, 5/16" NC
2	3050730	3	PLATE, support
3	3050729	1	ANGLE, front mounting
	903775	4	CAPSCREW, 3/8" NC x 7/8"
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
4	3050723	1	INSULATION, roof
5	3050728	2	BRACKET, tube meeting
	903775	4	CAPSCREW, 3/8" NC x 7/8"
	911115	8	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	916950	4	NUT, 3/8" NC
6	3051832	2	TUBE ASSEMBLY
7	3050720	2	PIN, clevis
	900806	2	PIN, cotter, 1/8" x 1"
8	-----	1	GLASS, front windshield (Not serviced, refer to Glass Manual 626019)
9	3050722	1	STRIP, weather
10	3050718	1	GASKET, front cowl
11	3050715	1	DOOR ASSEMBLY, right (See page 236 for parts)
	903773	9	CAPSCREW, 5/16" NC x 1-1/4"
	910335	18	WASHER, plain SAE std., 5/16"
	904205	9	LOCKWASHER, 5/16"
	910323	9	NUT, 5/16" NC
12	3050719	1	GASKET (rear cowl)
13	-----	1	BODY ASSEMBLY (Not serviced, order 3050637)
14	3050724	4	BUMPER, door stop
15	3050717	1	FRAME ASSEMBLY, rear window (See page 233 for parts)
	903773	4	CAPSCREW, 5/16" NC x 1-1/4"
	910335	8	WASHER, plain, SAE std., 5/16"
	904205	4	LOCKWASHER, 5/16"
	910323	4	NUT, 5/16" NC
16	-----	2	GLASS, side (Not serviced, refer to Glass Manual 626019)
17	3050727	2	STRIP, weather
18	3050725	1	BRACKET, center
	903775	2	CAPSCREW, 3/8" NC x 7/8"
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	916950	2	NUT, 3/8" NC



DOOR ASSEMBLY

T-73188

USAGE: Special equipment

* Left Door Assembly 3050716

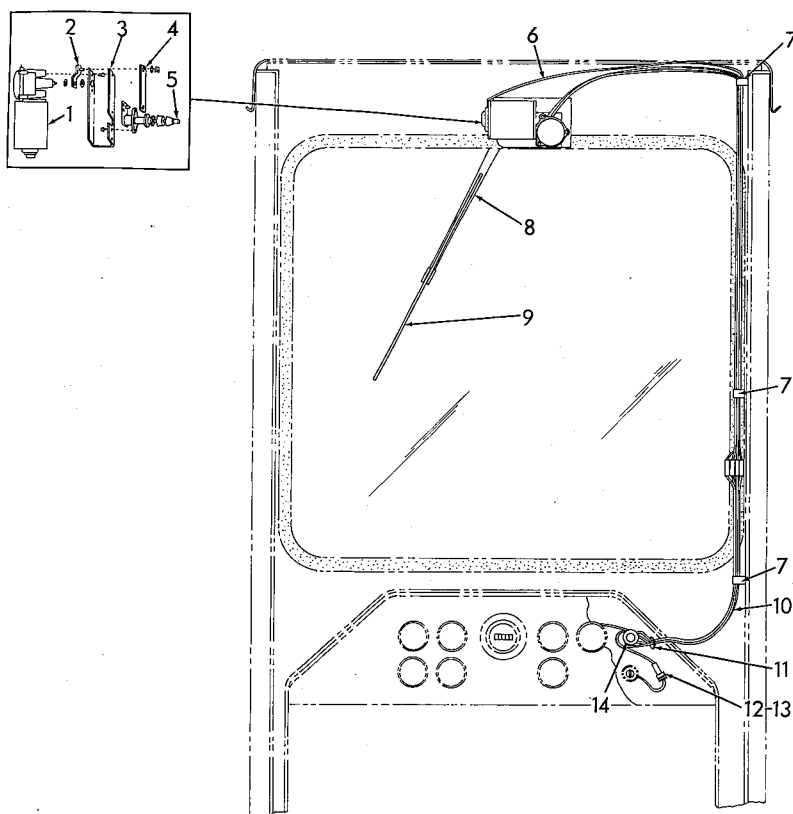
** Right Door Assembly 3050715

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: See page 235 for listing of complete Assembly.				
1	{ 3050744	1	-	HANDLE ASSEMBLY (Serviced only as a unit)
		-	1	HANDLE ASSEMBLY (Serviced only as a unit)
	901171	2	2	SCREW, machine, #10 NC x 3/8"
	904203	2	2	LOCKWASHER, #10
2	-----	1	1	DOOR ASSEMBLY (Not serviced, order 3050716 or 3050715)
3	3050735	1	1	ROD, door latch, lower
	900802	1	1	PIN, cotter, 3/32" x 1"

(Continued)

DOOR ASSEMBLY (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
4	3050736	1	1	COVER, latch, lower
	901172	2	2	SCREW, machine, #10 NC x 1/2"
	912611	2	2	LOCKWASHER, external tooth, #10
5	3050737	1	1	GASKET, door
6	3045178	1	1	TURN-BUCKLE, extension rod
7	3050734	1	1	ROD, extension upper
	900802	1	1	PIN, cotter, 3/32" x 1"
8	3050743	1	-	LATCH ASSEMBLY (Serviced only as a unit)
	3050732	-	1	LATCH ASSEMBLY (Serviced only as a unit)
	901171	4	4	SCREW, machine, #10 NC x 3/8"
	904203	4	4	LOCKWASHER, #10
9	3050742	1	1	STRIP, weather, lower glass
10	-----	1	1	GLASS, lower(Not serviced, refer to Glass Manual 629019)
11	3050740	1	1	STRIP, weather, upper glass
12	-----	1	1	GLASS, upper(Not serviced, refer to Glass Manual 629019)
13	3050738	1	1	GASKET, door



WIPER GROUP

T-71589

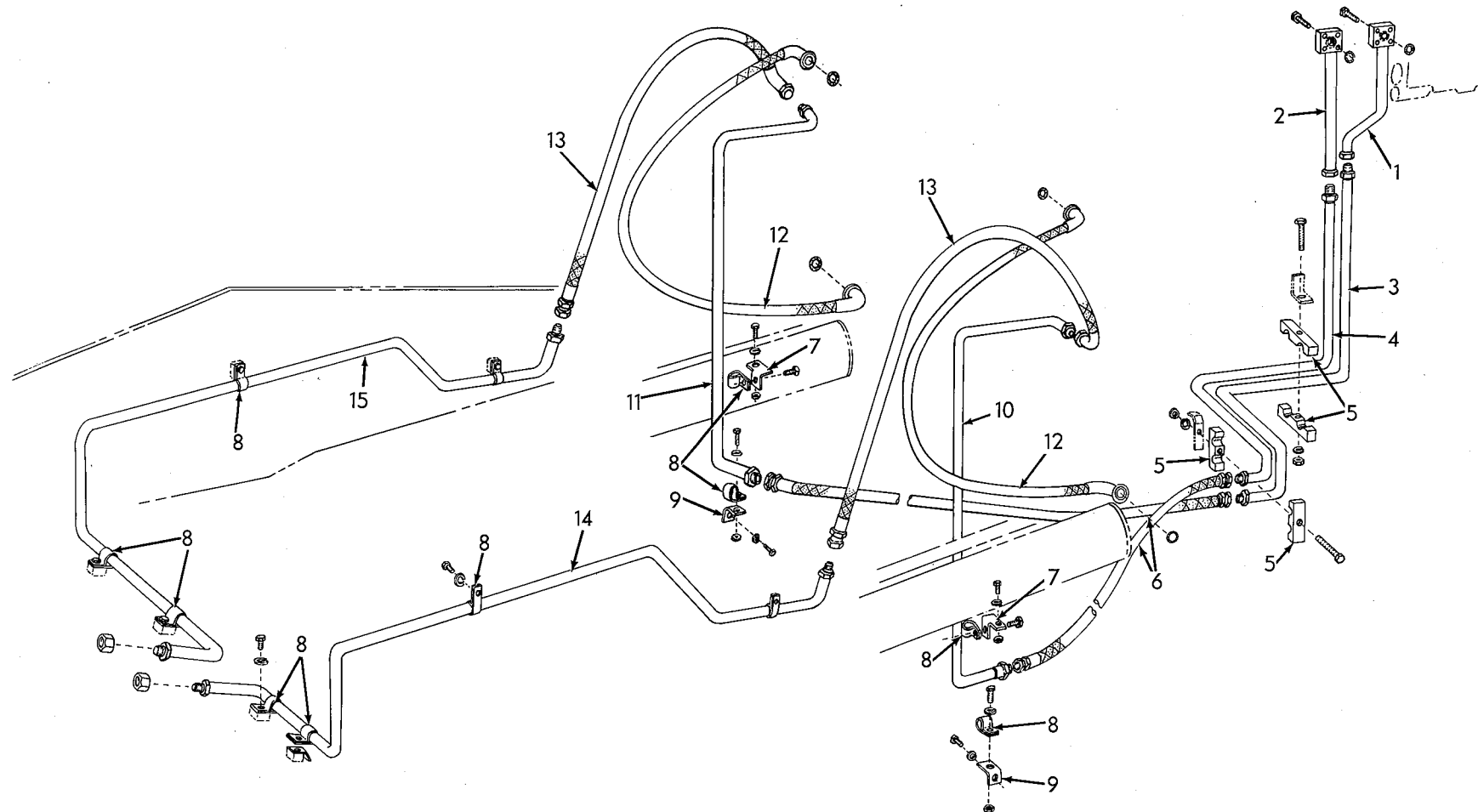
USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	3045202	1	MOTOR ASSEMBLY, wiper (24 volt) (Includes mounting bracket and fasteners) (Serviced only as a unit)
	920784	3	SCREW, self-tapping, #8 x 3/8"
2	3045203	1	ARM, drive
3	-----	1	BRACKET, mounting, wiper motor (Not serviced, order 3045202)
4	-----	1	LINK, connecting (Not serviced, order 3045202)
5	3045204	1	SHAFT ASSEMBLY, wiper arm
	916399	2	CAPSCREW, 1/4" NF x 5/8"
	904204	2	LOCKWASHER, 1/4"
	911114	2	WASHER, plain, SAE std., 1/4"
6	3045118	1	WIRE ASSEMBLY, ground

(Continued)

WIPER GROUP (continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	3045632	3	CLIP, wire supporting
8	3045206	1	ARM, wiper blade
9	3045207	1	BLADE, wiper (18")
10	3045113	1	HARNESS, wiring
11	3045633	1	GROMMET, wire protecting (cowl end)
12	3045108	1	HOLDER ASSEMBLY, fuse (Includes item 13)
13	3040013	1	FUSE, 3 amp.
14	3045205	1	SWITCH, heater (two speed)



FRONT PIPING

T-73160

FRONT PIPING

ITEM	PART NO.	QTY.	DESCRIPTION
1	3048107	1	TUBE ASSEMBLY, valve to tube
	923664	1	O-RING, sealing
	924180	4	CAPSCREW, 7/16" NC x 2"
2	3048108	1	TUBE ASSEMBLY, valve to tube
	923664	1	O-RING, sealing
	924180	4	CAPSCREW, 7/16" NC x 2"
3	3048125	1	TUBE ASSEMBLY, tube to hose
4	3048121	1	TUBE ASSEMBLY, tube to hose
5	3045733	4	CLAMP
	920611	2	CAPSCREW, 3/8" NF x 3-1/2"
	911115	-	WASHER, plain, SAE std., 3/8" (Use as req'd)
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8" NF
6	3050092	2	HOSE ASSEMBLY (Crimped-type) (Service only as a unit) (Includes hose guards)
7	3050101	1	BRACKET, mounting, clip, left
	3050102	1	BRACKET, mounting, clip, right
8	3019133	10	CLIPS, tube
	916225	4	CAPSCREW, 3/8" NF x 1"
	919235	6	CAPSCREW, 3/8" NF x 5/8"
	911115	-	WASHER, plain, SAE std., 3/8" (Use as req'd)
	904206	10	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8" NF
9	3050100	2	BRACKET, mounting, clip
	919235	2	CAPSCREW, 3/8" NF x 5/8"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	2	LOCKWASHER, 3/8"
10	3050090	1	TUBE ASSEMBLY, left
11	3050091	1	TUBE ASSEMBLY, right
12	3048016	2	HOSE ASSEMBLY (Use existing flange clamps from hydraulic piping group - rear section)
	923718	4	O-RING, sealing
13	3048117	2	HOSE ASSEMBLY
	924851	2	FITTING, bulkhead, 1"
	919621	2	NUT, locking, 1-5/16" NF
14	3048354	1	TUBE ASSEMBLY, left
	922195	1	CAP, flare type, 1" tube
15	3048352	1	TUBE ASSEMBLY, right
	922195	1	CAP, flare type, 1" tube

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