



HD-11G

HD-11GC

crawler loaders

parts catalog

S/N 101-UP

Form 70635043 English
(Same as 0635043-3)

441

SECOND PRINTING (11-71)

Identical to FIRST PRINTING with the exception of the following revisions which were given prior release as supplementary information on the dates indicated. Also included are all write-in changes as issued on Parts Bulletins thru TPSD 117.

PAGE

DATED

128A

Added July 1968

128B

Added July 1968

273A

Added November 1968

N O T I C E

Allis-Chalmers Corporation and FIAT S.p.A. entered into a joint venture agreement to combine their manufacture, sale and service of construction machinery products throughout the world after January 1, 1974.

In view of the new enterprise, wherever in this publication reference is made to Allis-Chalmers or your Allis-Chalmers dealer, such reference is intended to identify FIAT-ALLIS Construction Machinery Inc. or your FIAT-ALLIS dealer.

ADDITIONAL PUBLICATIONS AVAILABLE
FOR
MODEL HD11G AND HD11GC TRACTORS
(See NOTE below)

FORM NO.	DESCRIPTION	SERIAL NO.
Parts Catalogs		
643833	Injection Pump (PSB) -----	All
647078	TR11 Ripper -----	All
626048	75 Cable Control Unit (Rear-mounted) -----	All
Operating Instructions and Field Maintenance Manual		
626098	HD11G -----	Prior to 6427
626137	HD11G -----	6427 thru 10000
629941	HD11GC -----	All
626110	Dozers and 75, F100 Cable Control Units -----	All
Service Manuals		
645121	Engine (Model 10000 & 11000) -----	6427 - up
649317	Engine Clutch (HD11G only) -----	6427 - up
655381	Engine Clutch & Torque Converter (HD11GC only) -----	All
650433	Steering Clutches & Brakes (Dry Type) -----	All
682019	Final Drives -----	6427 - up
645550	Truck Frames & Tracks -----	7538 - up
641546	Shovel Hydraulic System -----	All
644308	Dozers and 75, F100 Cable Control Units -----	All
650850	Service Tools Manual -----	All

For information on early units order complete
HD11 SERVICE MANUAL FORM 626147

NOTE: Order from local ALLIS-CHALMERS Dealer.

IMPORTANT

The terms "right" and "left" used throughout this parts list are determined by facing the direction of forward travel.

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

Parts indicated with a square (□) are also available in packaged sets. Refer to section titled "PACKAGED PARTS."

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 to 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.

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 models listed in this Parts Catalog and their identifying symbols are indicated below. This symbol is stamped in front of the tractor serial number on each model.

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
HD11G	HD-516 (Prior to tr. #6427)	Front end shovel, 44 link track with 8 roller rigid truck frames, 74" tread and mechanical drive.
HD11G	10000 (Eff. tr. #6427)	
HD11GC	10000	Front end shovel, 44 link track with 8 roller rigid truck frames, 74" tread and hydraulic torque converter drive.

RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO. _____

ENGINE SERIAL NO. _____

SHOVEL SERIAL NO. _____

LOADER SERIAL NO. _____

SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO: On rear face of steering clutch housing at the upper right hand corner. Also on small plate attached to the cowl.

ENGINE SERIAL NO: On plate attached to the left hand side of the cylinder block at the rear end. Also on small plate attached to the cowl.

SHOVEL SERIAL NO: On plate attached to the upper rear face of the left hand side of the shovel frame.

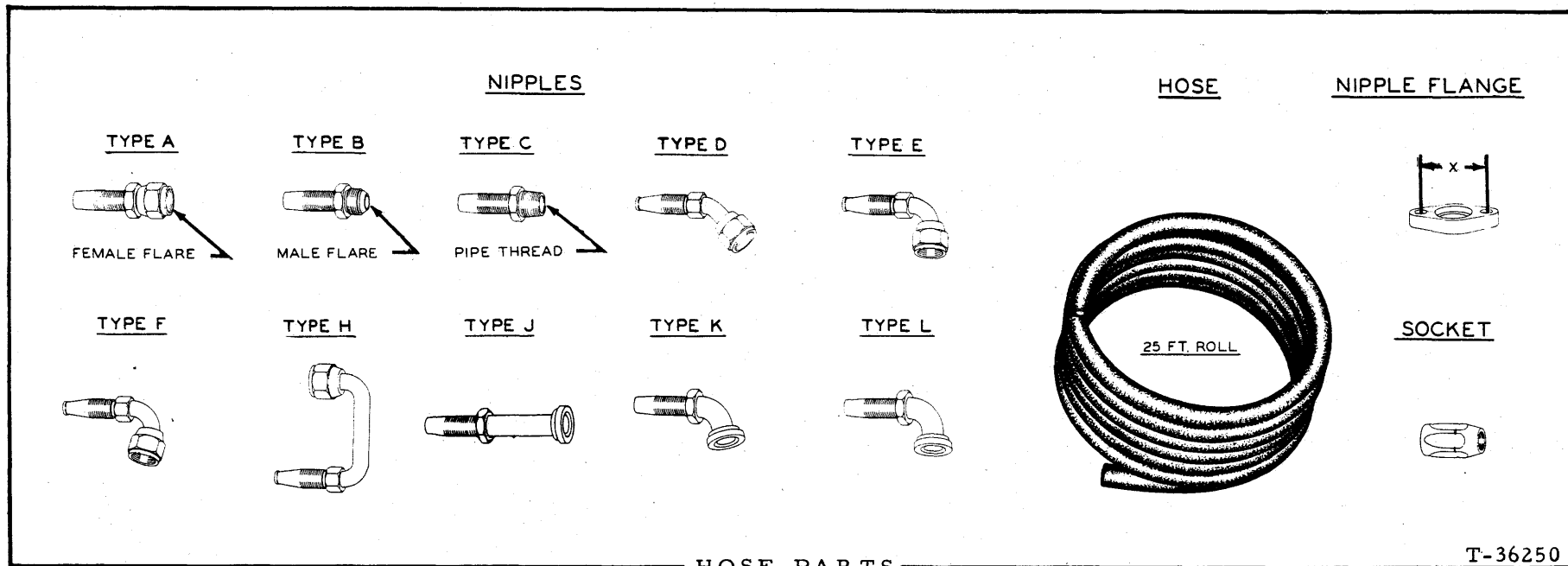
LOADER SERIAL NO: On plate attached to the front face of the loader frame center bar.

ALPHABETICAL INDEX

Air Cleaner - - - - -	98, 101	Filters	
Air Heater - - - - -	109, 113, 117	Engine Clutch - - - - -	173
Air Pre-Cleaner Extension - - - - -	335	Engine Oil - - - - -	49, 51, 52
Air Restriction Indicator - - - - -	101	Fuel - - - - -	63, 64, 66
Batteries and Cables - - - - -	302	Heavy-Duty Fuel - - - - -	61, 62
Battery Box - - - - -	291	Heavy-Duty Oil - - - - -	55, 56
Battery Box Lock - - - - -	289	Shovel Portable - - - - -	388
Bevel Gear and Shaft - - - - -	221	Torque Converter - - - - -	177
Brakes - - - - -	237	Transmission - - - - -	216, 218
Buckets - - - - -	380	Final Drive	
Camshaft - - - - -	34, 36	Housing - - - - -	225
Camshaft Bearings - - - - -	15	Intermediate Shaft - - - - -	228
Connecting Rod - - - - -	18, 19	Pinion Shaft - - - - -	235
Conversion Tables - - - - -	12B	Outboard Bearing and Seal - - - - -	231
Counterweights - - - - -	387	Sprocket, Shaft and Gear - - - - -	233
Crane Hook - - - - -	384	Floor - - - - -	286, 287
Crankcase Guard - - - - -	252	Flywheel - - - - -	25
Crankshaft - - - - -	22	Flywheel Housing - - - - -	25
Cylinder Block - - - - -	15	Front Fenders - - - - -	284
Cylinder Head - - - - -	27, 31	Fuel Lines - - - - -	69, 70
Cylinder Sleeve - - - - -	15	Fuel Tank - - - - -	72
Cylinders		Gauges	
Dump - - - - -	353	Air Restriction Indicator - - - - -	101
Lift - - - - -	353	Ammeter - - - - -	305, 307, 309
Loader - - - - -	405, 411	Engine Oil Level - - - - -	38
Diverting Valve Control and Piping - - - - -	377	Engine Oil Pressure - - - - -	305, 307, 309
Drawbar - - - - -	278	Engine Temperature - - - - -	305, 307, 309
Elements		Fuel Level - - - - -	72
Air Cleaner - - - - -	101	Fuel Pressure - - - - -	305, 307, 309
Engine Clutch Filter - - - - -	173	Hour Meter - - - - -	328
Engine Oil Filter - - - - -	49, 53	Transmission Oil Pressure - - - - -	309
Fuel Filter - - - - -	63, 64, 66	Gear Shift - - - - -	203, 205, 209, 213
Heavy-Duty Filter - - - - -	58	Generator - - - - -	316, 318, 320
Shovel Hydraulic Tank - - - - -	367, 371	Generator Regulator - - - - -	321
Shovel Portable Filter - - - - -	391	Hood - - - - -	283
Torque Converter Filter - - - - -	177	Hood Side Plates - - - - -	333
Transmission Filter - - - - -	215	Hose Parts - - - - -	6
Engine and Mounting - - - - -	12D	Hour Meter - - - - -	328
Engine Breather - - - - -	27, 31	Hydraulic Cylinders and Piping - - - - -	353
Engine Clutch - - - - -	145, 149, 153	Hydraulic Tank - - - - -	367, 371
Engine Clutch Brake - - - - -	145, 169	Hydraulic Track Adjuster - - - - -	273
Engine Clutch Control - - - - -	163, 165, 167	Injection Fuel Return Lines - - - - -	83, 85
Engine Clutch Oiling Systems - - - - -	173	Injection Nozzles and Lines - - - - -	76, 78
Engine Decelerator - - - - -	93	Injection Pump - - - - -	73, 75
Engine Primer - - - - -	107	Instruments - - - - -	305, 307, 309
Engine Shut-off Control - - - - -	94, 96	Lift Fork - - - - -	383
Exhaust Pipe - - - - -	105, 106, 335	Lights	
Fan - - - - -	123, 125, 127	Dash - - - - -	305, 307, 309
Fan Belt - - - - -	121, 123	Head - - - - -	298, 301
Fan Belt Tightener - - - - -	119	Rear Flood - - - - -	326
Fan Drive - - - - -	121	Tail - - - - -	322, 324

ALPHABETICAL INDEX

Lights and Wiring	298, 301	Shovel Pump and Drive	362, 364
Loader Frame and Tong	395, 397	Shovel Valve and Controls	375
Loader Hydraulic Cylinders & Piping	405, 411	Starter	311, 312, 314
Loader Linkage	399	Steering Clutches	223
Loader Valves and Controls	401	Steering Clutch & Final Drive Housing	225
Main Bearings	22	Steering Control	247
Main Frame	252	Steering Levers and Linkage	241, 245
Manifolds		Steering Pump Drive	33
Exhaust	103	Street Plate	277
Intake	103	Tail Light	322, 324
Water Outlet	131, 132, 134	Thermostat	131, 132, 134
Moldboard	385, 386	Throttle Control	87, 91
Muffler	105, 106	Timing Gears	22, 34, 36, 73, 75
Numerical Index	416	Timing Gear Housing	20
Odometer	330	Tool Box	291, 344
Oil Cooler	40, 41	Tools	344, 393
Oil Pan	38	Torque Converter	153
Oil Pumps	43, 45	Torque Converter Oil Supply	177
Package Parts	9	Track	274, 276
Painting and Marking	292	Track Idler	269, 271
Piston	18, 19	Track Release	272
Power Pulley	337	Track Supporting Roller	267
Power Take-Off	339, 341	Transmission	
Primer	107	Assembly	185, 187
Pull Hook	252	Case and Covers	186, 189, 190
Pumps		Intermediate Shaft	195
Air Heater	109, 113, 117	Pinion Shaft	197, 201
Engine Clutch	173	Reverse Shaft	196
Engine Oil	43, 45	Top Shaft	192, 193
Fuel Injection	73, 75	Transmission Oil Pump	216, 218
Primer	107	Truck Frame	257, 261
Shovel	362, 364	Truck Wheel	265
Steering	247	Truck Wheel Guards	259, 263
Torque Converter	177	Universal Joint	180, 181, 182
Transmission	216, 218	Valve Operating Mechanism	34, 36
Water	137	Valves	
Radiator	140	Air Heater Check	113, 117
Radiator Curtain	129	Engine Oil Pressure Regulating	15
Radiator Guard	281	Exhaust	27, 31
Radiator Screen	140	Intake	27, 31
Radiator Support	139	Loader Control	401
Rain Shield	105	Loader Relief	401, 405, 411
Raincap	105	Pressure Oil Pump Relief	45
Rear Fenders	285	Shovel Control	375
Rear Flood Light	326	Shovel Check	367, 371
Rigid Beam	254	Shovel Diverting	367, 371
Rock Fork	382	Shovel Relief	367, 371
Seat	291	Steering Control	247
Shovel Frame	347	Track Adjuster Relief	273
Shovel Linkage	348, 350	Water Outlet Manifold	131, 132, 134
Shovel Portable Filter	388	Water Pump	137



HOSE PARTS

T-36250

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) Part No.
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
094095	919155	21-1/8	920849	920302	A	920857	919079	B	919075			645230
094319	919156	15-1/2	920858	919080	B	920838	919074	C	919076			645235
094456	919156	41-1/4	920850	920303	A	920858	919080	B	919076			644555
094533	919155	22-5/8	920857	919079	B	920864	919082	E	919075			644642
094602	919156	37-1/2	920850	920303	A	920865	919081	E	919076			645232
094674	919196	34-1/4	920847	920301	A	920862	919194	E	919143			644682
094703	919196	32-1/4	920847	920301	A	920833	919200	C	919143			647915
	919196	39-1/2	920847	920301	A	920862	919194	E	919143			644697
095441	919155	30-3/4	920857	919079	B	920864	919082	E	919075			645243

096064	919155	21-3/4	920857	919079	B	920836	919073	C	919075			645234
096115	919155	37-1/2	920849	920302	A	920857	919079	B	919075			645241
096138	919196	38	920862	919194	E	920862	919194	E	919143			647918
099527	920222	10-13/16	921033	921034	A	920843	919467	C	919282			
621749	920222	9-9/16	921033	921034	A	920843	919467	C	919282			644011
624973	920795	30-3/4	920935	921304	B	920928	920970	C	920973			
624974	920795	30-3/4	920945	922831	A	920928	920970	C	920973			
625105	920795	30-3/4	920945	922831	A	920945	922831	A	920973			
625273	920794	26	920944	920978	A	920944	920978	A	920972			
629481	919155	25-1/4	920849	920302	A	920836	919073	C	919075			647931
630215	920222	24-5/8	920868	920144	E		921726	F	919282			643990
630241	920221	48-5/8	920882	919278	D		921787	J	919281	921786	1-7/8"	643991
632147	919196	34-1/4	920877	919207	D	920862	919194	E	919143			
3010972	920795	72	920945	922831	A	920928	920970	C	920973			
3010979	920795	72	920928	920970	C	920928	920970	C	920973			
3012402	920794	45-1/2	920927	920969	C	3012399		E	920972			
3012403	920794	45-1/2	920933	922834	B	3012399		E	920972			
3012406	920795	30-1/2	920935	921304	B	920935	921304	B	920973			
3012407	920794	45-1/2	920927	920969	C	920934	922833	B	920972			
3012408	920794	45-1/2	920933	922834	B	920934	922833	B	920972			
3013864	919474	26-1/2	920851	921046	A	920851	921046	A	919469			
3016481	920795	126	3011258		L	3011219		L	920973			
3016733	920795	30-1/2	920928	920970	C	3016732		H	920973			
3016734	920795	30-1/2	920935	921304	B	3016732		H	920973			
3017796	920795	106	920945	922831	A	920945	922831	A	920973			
3017873	920795	29	3011258		L	3009929		E	920973			
3017877	920795	103	920945	922831	A	920945	922831	A	920973			
3017884	920795	135	920945	922831	A	3011219		L	920973			
3019140	920795	40-1/4	920945	922831	A	920945	922831	A	920973			
3019141	920794	9-1/4	920944	920978	A	625202		E	920972			
3019142	920795	32-1/2	920945	922831	A	626956		E	920973			
3026795	920795	30-1/2	920945	922831	A	920935	921304	B	920973			

(Continued)

3030076	920794	120	921020	922830	A	920933	922834	B	920972			
3030077	920794	39-3/4	920944	920978	A	920944	920978	A	920972			
3030078	920794	12-3/8	920944	920978	A	920944	920978	A	920972			
3030079	920794	36-1/2	920944	920978	A	920944	920978	A	920972			
3030080	920794	72	920944	920978	A	920944	920978	A	920972			
3030081	920794	60	920944	920978	A	920944	920978	A	920972			
4335557	919196	7-7/8	920847	920301	A	920833	919200	C	919143			
4335567	920222	9-7/16		920173	L (short)		920141	L (long)	919282	919274	2-1/4"	
										919251	3"	
4335583	919196	10-1/8	920847	920301	A	920862	919194	E	919143			
4335716	919196	10-5/8	920847	920301	A	920833	919200	C	919143			
4335897	919155	7-3/4	920849	920302	A	920836	919073	C	919075			
4335898	919155	19-1/2	920849	920302	A	920864	919082	E	919075			
4335931	919196	7	920862	919194	E (short)	920869	919253	E (long)	919143			
4335935	919155	15-1/2	920849	920302	A	920864	919082	E	919143			
4337532	920222	6-7/16		920173	L (short)		920195	L (long)	919282	919251	3"	
4376906	919196	16-3/8	920847	920301	A	920862	919194	E	919143			
	920221	54-3/4	920867	919277	E		921787	J	919281	921786	1-7/8"	643989
	920221	25-1/2	920852	920344	A	920867	919277	E	919281			644003
	919156	50-3/4	920865	919081	E	920865	919081	E	919076			644004
	919156	32-5/8	920858	919080	B	920865	919081	E	919076			644012
	920222	32	921033	921034	A	921033	921034	A	919282			644013
	919156	34-3/4	920850	920303	A	920858	919080	B	919076			645242
	919196	76	920847	920301	A	920862	919194	E	919143			647916
	920222	14-1/2	921033	921034	A		921496	K	919282	919274	2-1/4"	647924
	920222	8-1/4	921033	921034	A		921496	K	919282	919274	2-1/4"	647925
	919156	18	920865	919081	E		919175	F	919076			647930
	919155	30-3/8	920849	920302	A	920857	919079	B	919075			648283

PACKAGED PARTS

PACKAGE NUMBER

DESCRIPTION

-----	BLOCK KIT, clutch camshaft (See page 151)
-----	CLUTCH KIT, over-running, torque converter (See page 157)
-----	ELEMENT KITS, filter and breather (see HYDRAULIC TANK section)
-----	FILTER KIT, hydraulic system fluid (See SHOVEL PORTABLE FILTER)
4354309	GASKET KIT, cylinder head (Tractors prior to #6427) 6 4251987 O-RING, valve lifter cover nut 1 4300145 GASKET, engine water outlet elbow 2 4335279 GASKET, cylinder head cover 2 4337764 GASKET, valve lifter cover 6 4338511 GASKET, exhaust manifold 6 4346138 GASKET, intake manifold 1 4346330 GASKET, water manifold connecting 1 4347824 GASKET, supercharger drain flange (Discard. Not for HD11) 2 4347940 GASKET, thermostat housing 2 4348133 GASKET, breather tube 6 4348278 GASKET, water manifold 2 4349031 GASKET, supercharger (Discard. Not for HD11) 1 4349384 GASKET, intake manifold cover (Discard. Not for HD11) 1 4354294 GASKET ASSEMBLY, front cylinder head 1 4354295 GASKET ASSEMBLY, rear cylinder head 6 4511204 GASKET, injection nozzle
4354291	GASKET KIT, cylinder head (Tractors #6427 and up) 4 4252796 O-RING, water manifold type 1 4300145 GASKET, engine water outlet elbow (Effective with tractor #7999) 2 4336148 GASKET, rocker cover 4 4336182 GASKET, water manifold 1 4336263 GASKET, thermostat housing 1 4336266 GASKET, engine water outlet elbow (Used prior to tractor #7999) 2 4337764 GASKET, valve lifter cover 6 4338511 GASKET, exhaust manifold 6 4346138 GASKET, intake manifold 2 4348133 GASKET, breather tube 1 4354294 GASKET ASSEMBLY, front cylinder head 1 4354295 GASKET ASSEMBLY, rear cylinder head 6 4378031 GASKET, injection nozzle 4 923574 O-RING, water by-pass tube
4335833	GASKET KIT, intermediate, cylinder block (Tractors prior to #6427) 2 035249 GASKET, oil drain plug 2 4113897 GASKET, oil regulating valve nut 5 4253106 O-RING, oil filter lines 1 4335056 GASKET, water pump volute 1 4335712 GASKET, cover plate 1 4336345 GASKET, timing gear housing cover 1 4336897 RING, flywheel housing to crankcase 1 4346169 GASKET, oil pipe 2 4346441 GASKET, oil pipe 1 4346456 GASKET, water inlet pipe 1 4346744 GASKET, water pump 1 4347031 GASKET, water by-pass pipe 1 4347120 GASKET, timing hole cover 1 4347554 GASKET, oil filter (early units)

(Continued)

PACKAGED PARTS

PACKAGE NUMBER

DESCRIPTION

4335833 GASKET KIT, intermediate, cylinder block (Tractors prior to #6427)(Con't)

2	4347655	GASKET, oil line elbow (early units)
1	4348126	GASKET, timing gear cover
1	4348136	GASKET, timing gear housing
1	4348184	GASKET, oil cooler water outlet
1	4348185	GASKET, oil cooler water inlet
2	4348215	GASKET, oil pipe
1	4348218	GASKET, oil pipe
1	4349011	GASKET, fan drive
2	4349984	GASKET, oil cooler
1	4362458	GASKET, scavenging oil pump cover
2	4367089	GASKET, (Discard. Not for HD11)
2	4373069	GASKET, oil pan cover
1	4376605	GASKET, cover plate

4336577 GASKET KIT, intermediate, cylinder block (Tractors #6427 and up)

2	035249	GASKET, oil drain plug
1	923589	O-RING, fan drive
1	923814	O-RING, steering pump drive
2	4113897	GASKET, oil regulating valve nut
1	4253106	O-RING, oil filter
1	4254624	O-RING, camshaft hole plug
1	4335056	GASKET, water pump volute
3	4335577	GASKET, oil filter hose
1	4335578	GASKET, oil filter hose
1	4335712	GASKET, cover plate (Discard. Not for HD11)
1	4335345	GASKET, (Discard. Not applicable)
1	4335897	RING, flywheel housing to crankcase
1	4346169	GASKET, oil pipe
2	4346441	GASKET, oil pipe
1	4346456	GASKET, water inlet pipe
1	4346744	GASKET, water pump
1	4347031	GASKET, water by-pass flange
1	4347120	GASKET, timing hole cover
1	4348126	GASKET, timing gear cover
1	4348136	GASKET, timing gear housing
1	4348184	GASKET, oil cooler water outlet
1	4348185	GASKET, oil cooler water inlet
2	4348215	GASKET, oil pipe
1	4348218	GASKET, oil pipe
1	4349011	GASKET, fan drive
1	4362458	GASKET, scavenging oil pump cover
1	4371289	GASKET (Discard. Not for HD11)
2	4373069	GASKET, oil pan cover

----- LINING KIT, brake band (See BRAKES)

----- PIPING AND ADAPTER KIT (See SHOVEL PORTABLE FILTER)

4337973 PISTON AND SLEEVE KIT (Tractors prior to #6427)

1	4254608	RETAINER, piston pin
1	4336408	RING SET, piston
1	4337971	SLEEVE, cylinder
2	4337972	O-RING, cylinder sleeve
1	4347281	PIN, piston
1	4348077	PISTON

PACKAGED PARTS

PACKAGE NUMBER

DESCRIPTION

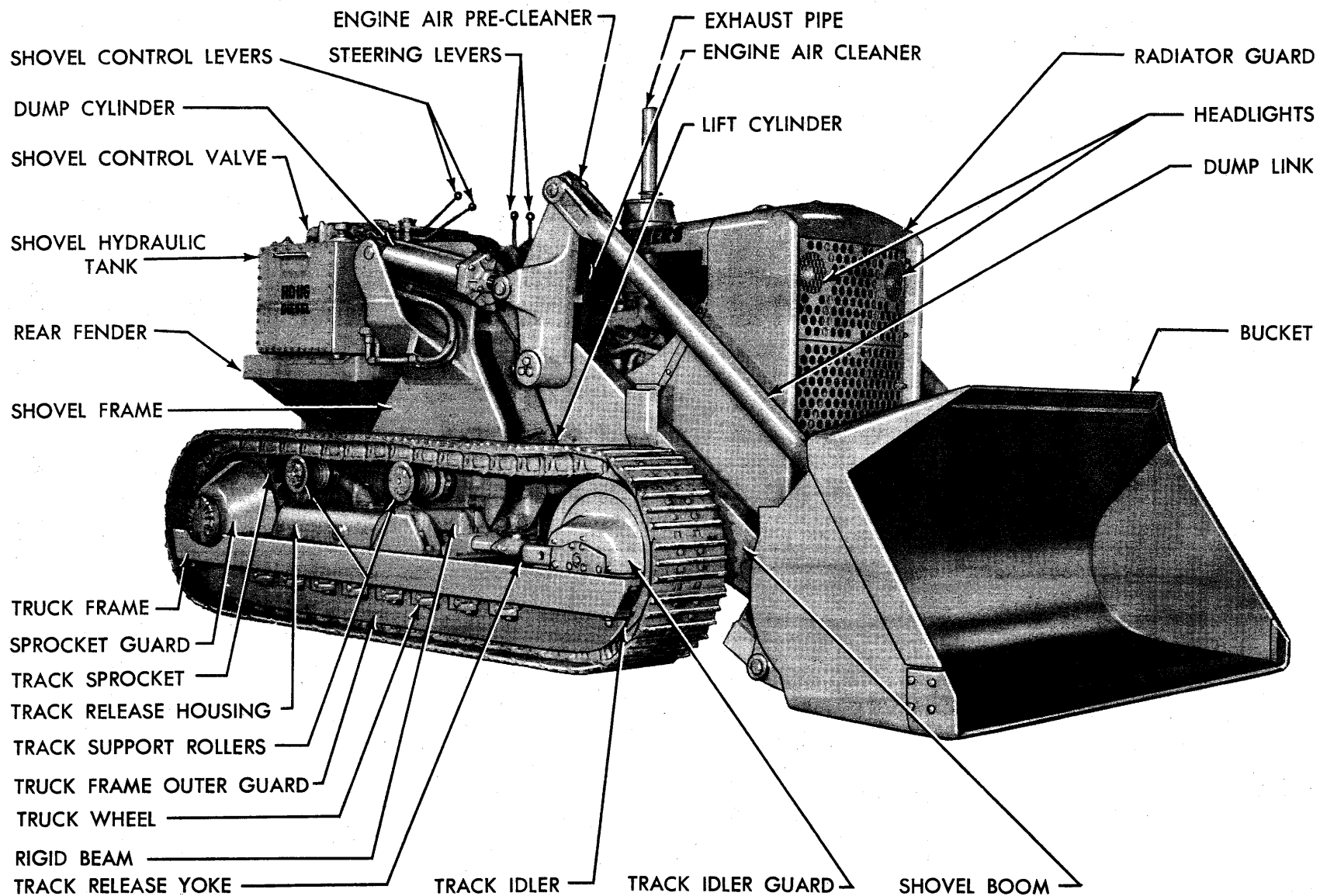
4337975	PISTON AND SLEEVE KIT (Effective with tractor #6427 but later discontinued with engine #10-11021. If replacing entire set, order 6 PISTON AND SLEEVE KITS 4338650 and 1 CYLINDER HEAD GASKET KIT 4354291)
2 4255465	RETAINER, piston pin
1 4336512	PISTON
1 4336578	RING SET, piston
1 4337395	PIN, piston
1 4337971	SLEEVE, cylinder
2 4337972	O-RING, cylinder sleeve
4338650	PISTON AND SLEEVE KIT (Effective with engine #10-11022)
2 4255465	RETAINER, piston pin
1 4336512	PISTON
1 4336578	RING SET, piston
1 4337395	PIN, piston
2 4337972	O-RING, cylinder sleeve
1 4338648	SLEEVE, cylinder
-----	REPAIR KIT, dump cylinder (See page 361)
-----	REPAIR KIT, lift cylinder (See pages 357 and 359)
-----	REPAIR KIT, loader cylinder (See pages 409 and 415)
-----	RING SETS, piston (See PISTON AND CONNECTING ROD section)
-----	SEAL KIT (See FINAL DRIVE OUTBOARD BEARING AND SEAL)
-----	SEAL KIT (See FINAL DRIVE SPROCKET, SHAFT AND GEAR)
-----	SEAL KIT (See TRACK IDLER)
-----	SEAL KIT (See TRACK SUPPORTING ROLLER)
-----	SEAL KIT (See TRUCK WHEEL)
654507	STARTER KIT (Provides solenoid-type starter to replace original mechanical type)
1 4387529	MOTOR, starting
1 091181	CABLE, switch to starter
1 095860	CABLE, switch to ammeter
1 240962	SWITCH ASSEMBLY, starter
1 S-4415	WIRING DIAGRAM
-----	TRANSFER KIT (See PAINTING AND MARKING)
634823	TRUCK FRAME KIT, left (For frame replacement on tractors prior to #4629)
1 634821	FRAME ASSEMBLY, left
1 622847	SHAFT, track idler
2 622850	RETAINER, track idler bearing
2 622855	RETAINER, track idler seal
16 631617	BLOCK, tapped, truck wheel capscrews
2 631665	BLOCK, tapped, track release capscrews
4 631666	BLOCK, tapped, rigid beam capscrews
16 631998	SHIM, tractor leveling
1 637763	BRACKET, track idler, left
1 637764	BRACKET, track idler, right
3 900819	WASHER, plain, U.S. std., 5/8"

PACKAGED PARTS

PACKAGE NUMBER

DESCRIPTION

634824	TRUCK FRAME KIT, right (For frame replacement on tractors prior to #4629)	
	1 634822	FRAME ASSEMBLY, right
	1 622847	SHAFT, track idler
	2 622850	RETAINER, track idler bearing
	2 622855	RETAINER, track idler seal
	16 631617	BLOCK, tapped, truck wheel capscrews
	2 631665	BLOCK, tapped, track release capscrews
	4 631666	BLOCK, tapped, rigid beam capscrews
	16 631998	SHIM, tractor leveling
	1 637763	BRACKET, track idler, left
	1 637764	BRACKET, track idler, right
	3 900819	WASHER, plain, U.S. std., 5/8"
631991	TRUCK FRAME KIT, left (For frame replacement on tractors #4629 thru #7608)	
	1 631863	FRAME ASSEMBLY, left
	16 631617	BLOCK, tapped, truck wheel capscrews
	2 631665	BLOCK, tapped, track release capscrews
	4 631666	BLOCK, tapped, rigid beam capscrews
	16 631998	SHIM, tractor leveling
	1 637763	BRACKET, track idler, left
	1 637764	BRACKET, track idler, right
	3 900819	WASHER, plain, U.S. std., 5/8"
631992	TRUCK FRAME KIT, right (For frame replacement on tractors #4629 thru #7608)	
	1 631864	FRAME ASSEMBLY, right
	16 631617	BLOCK, tapped, truck wheel capscrews
	2 631665	BLOCK, tapped, track release capscrews
	4 631666	BLOCK, tapped, rigid beam capscrews
	16 631998	SHIM, tractor leveling
	1 637763	BRACKET, track idler, left
	1 637764	BRACKET, track idler, right
	3 900819	WASHER, plain, U.S. std., 5/8"



MODEL HDIIG TRACTOR

CONVERSION TABLES

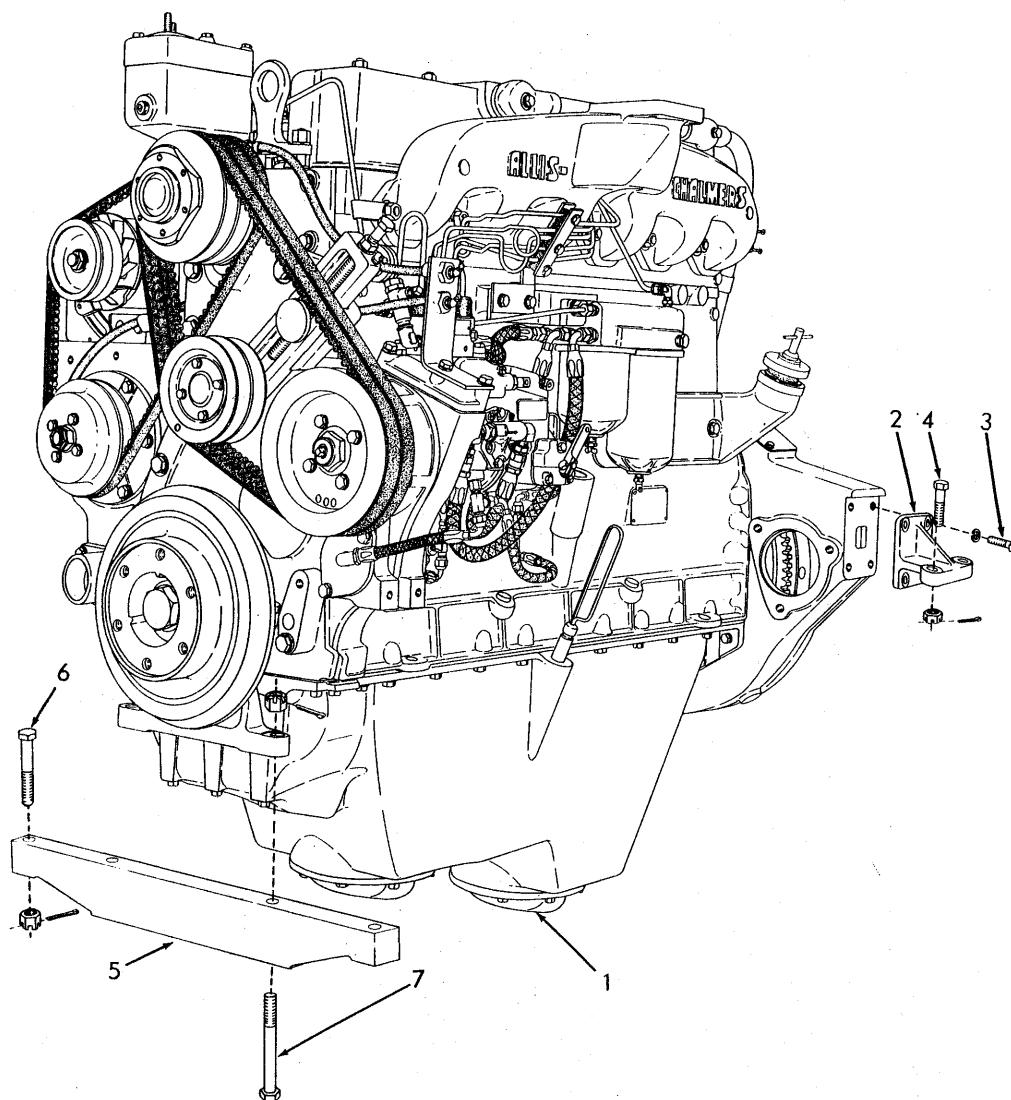
DECIMAL AND METRIC EQUIVALENTS OF FRACTIONS OF AN INCH

Inches			Inches		
Fractions	Decimals	Milli-meters	Fractions	Decimals	Milli-meters
1/64	.015625	.397	33/64	.515625	13.097
1/32	.03125	.794	17/32	.53125	13.494
3/64	.046875	1.191	35/64	.546875	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.078125	1.984	37/64	.578125	14.684
3/32	.09375	2.381	19/32	.59375	15.081
7/64	.109375	2.778	39/64	.609375	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.140625	3.572	41/64	.640625	16.272
5/32	.15625	3.969	21/32	.65625	16.669
11/64	.171875	4.366	43/64	.671875	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.203125	5.159	45/64	.703125	17.859
7/32	.21875	5.556	23/32	.71875	18.256
15/64	.234375	5.953	47/64	.734375	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.265625	6.747	49/64	.765625	19.447
9/32	.28125	7.144	25/32	.78125	19.844
19/64	.296875	7.541	51/64	.796875	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.328125	8.334	53/64	.828125	21.034
11/32	.34375	8.731	27/32	.84375	21.431
23/64	.359375	9.128	55/64	.859375	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.390625	9.922	57/64	.890625	22.622
13/32	.40625	10.319	29/32	.90625	23.019
27/64	.421875	10.716	59/64	.921875	23.416
7/16	.4375	11.113	15/16	.9375	23.813
29/64	.453125	11.509	61/64	.953125	24.209
15/32	.46875	11.906	31/32	.96875	24.606
31/64	.484375	12.303	63/64	.984375	25.003
1/2	.500	12.700	1	1.000	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

MEMO



ENGINE AND MOUNTING

T-27441

ITEM PART NO. QTY. DESCRIPTION

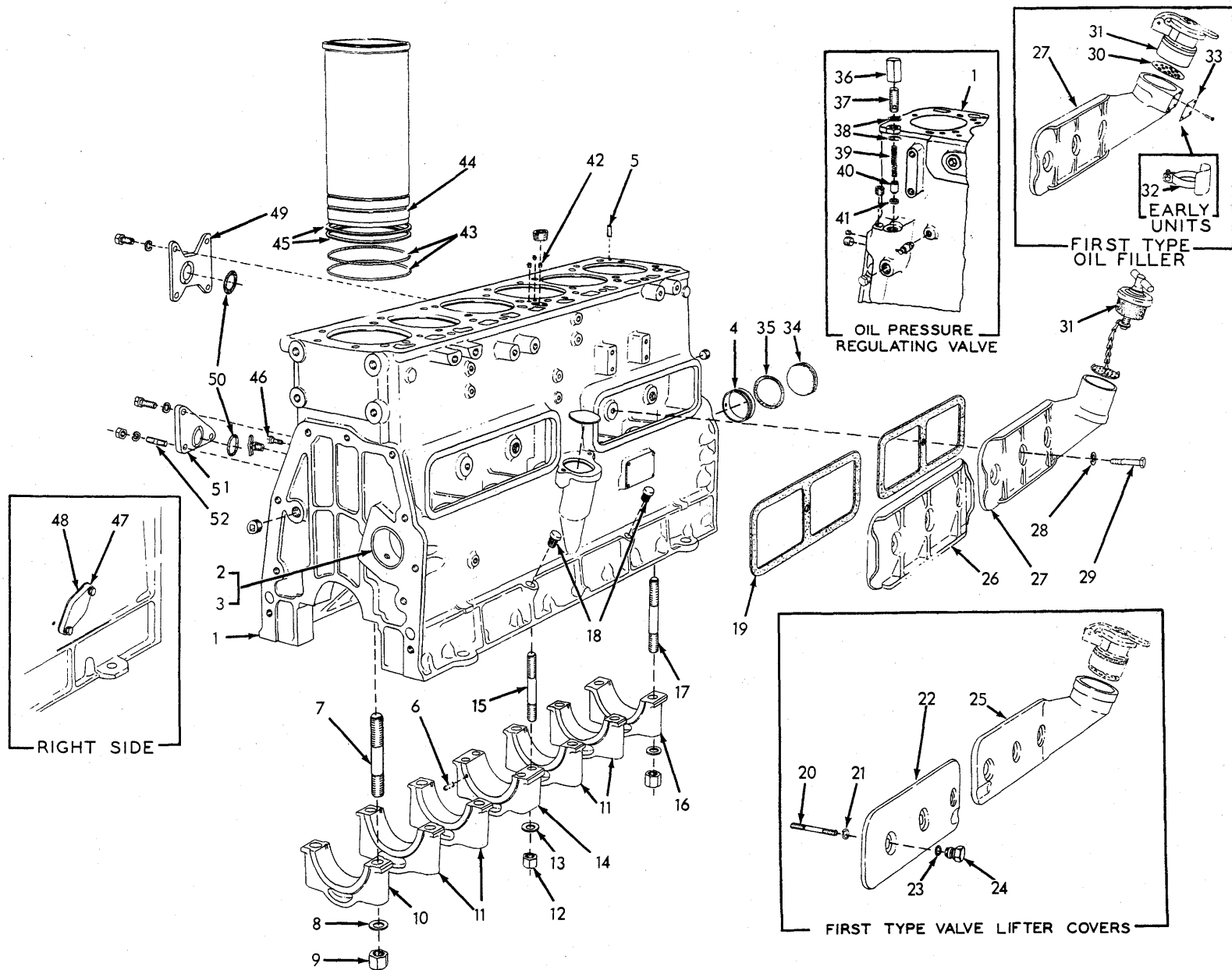
1	-----	1	ENGINE ASSEMBLY (Model HD11G tractors prior to #6427)(Dis-continued. Order components)
	4336513	1	ENGINE ASSEMBLY (Model HD11G with dry clutch. Tractors #6427 thru #6911)
	4337463	1	ENGINE ASSEMBLY (Model HD11G with oil clutch. Tractors #6911 and up)
	4337482	1	ENGINE ASSEMBLY (Model HD11GC)

NOTE: Engines includes generator, oil and fuel filters but do not include air cleaner, fan, starter or the 1st stage fuel filter element. This element must be added if tractor is not equipped with special Heavy-duty Fuel Filter.

(Continued)

ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	084493	2	BRACKET, engine supporting, rear
3	035190	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	8	LOCKWASHER, 1/2"
4	638907	4	CAPSCREW, rear mounting (drilled-end, 5/8"NF x 2-1/4")
	912840	4	NUT, slotted, 5/8"NF
	900806	4	PIN, cotter, 1/8" x 1"
5	084517	1	SUPPORT, front
6	638863	2	CAPSCREW, drilled-end, 5/8"NF x 3-1/2"
	913280	2	NUT, high, slotted, 5/8"NF
	900806	2	PIN, cotter, 1/8" x 1"
7	638881	2	CAPSCREW, front mounting (drilled-end, 5/8"NF x 5-1/4")
	913280	2	NUT, high, slotted, 5/8"NF
	900806	2	PIN, cotter, 1/8" x 1"



CYLINDER BLOCK

CYLINDER BLOCK

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	BLOCK ASSEMBLY (Used prior to engine #10-4030. Order BLOCK ASSY. 4338151, 1 each LINE ASSY. 4336574, O-RING 4253106, PLATE 4034292, GASKET 4347655, STUD 4335371, NUT 910195, LOCKWASHER 904208, 2 CAPSCREWS 919224, 2 CAPSCREWS 916271, 4 LOCKWASHERS 904206. If for engines prior to #90846 also include 1 TUBE ASSY. 4335043, 1 TUBE ASSY. 4349309, 2 each BRACKET 4349291, ELBOW 4335381, ELBOW 911017 and ELBOW 913039)
	4338151	1	BLOCK ASSEMBLY (Includes items 2 thru 18, 41, 42, 46 thru 52 and hardware indented below)(Effective with engine #10-4030)
	910015	1	PLUG, expansion, 2-1/8" diam. (Used prior to tractor #6427)
	910017	1	PLUG, expansion, 2-3/8" diam. (Effective with tractor #6427)
	919134	3	PLUG, pipe, hex-hd., 1/8"NPT
	920333	2	PLUG, pipe, hex-hd., 3/8"NPT
	917970	2	PLUG, pipe, hex-socket, 1/2"NPT
	920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	918851	1	PLUG, pipe, hex-socket, 3/4"NPT
	918888	1	PLUG, pipe, hex-socket, 1"NPT (Effective with tractor #6427)
	901666	1	PLUG, pipe, ctsk-hd., 1"NPT (Used in service replacement block only)
	912415	2	COCK, drain, 1/4"NPT (1 less used on engines prior to #10-4030)
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 (Effective with tractor #6427)
6	-----	4	PIN, dowel, crankshaft thrust flange (See CRANKSHAFT)
7	4348829	2	STUD, front main bearing cap (3/4" diam., 5-1/2" long)(Used prior to engine #10-10626)
	4339037	2	CAPSCREW, front main bearing cap (3/4"NC x 3-15/16")(Effective with engine #10-10626)
8	4354175	12	WASHER, main bearing stud
9	4346191	12	NUT, main bearing stud (3/4"NF)(Used prior to engine #10-10626)
10	4349630	1	*CAP, front main bearing
11	4349632	4	*CAP, intermediate main bearing
12	4346322	4	NUT, center main bearing stud (5/8"NF)(Used prior to engine #10-10626)
13	4389910	4	WASHER, center main bearing stud

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

(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	4349629	1	*CAP, center main bearing
15	-----	4	STUD, center main bearing cap (5/8" diam.)(Used prior to engine #10-10626. Order CAPSCREW 4339038)
	4339038	4	CAPSCREW, center main bearing cap (5/8"NC x 3-13/16")(Effective with engine #10-10626)
16	4349631	1	*CAP, rear main bearing
17	-----	10	STUD, rear and intermediate main bearing caps (3/4" diam., 5-7/8" long)(Used prior to engine #10-10626. Order CAPSCREW 4339036)
	4339036	10	CAPSCREW, rear and intermediate main bearing caps (3/4"NC x 4-5/16")(Effective with engine #10-10626)
18	4362338	2	PLUG, crankcase
19	4337764	2	□GASKET, valve lifter cover
<u>NOTE:</u> Items 20 thru 25 comprise the FIRST TYPE VALVE LIFTER COVERS used prior to engine serial No. 10-4251			
20	4346653	6	STUD, valve lifter cover
21	4253520	6	RING, snap, valve lifter cover nut
22	-----	1	COVER, valve lifter, front (Order items 26,28 and 29)
23	4251987	6	□O-RING, valve lifter cover nut
24	4347126	6	NUT, valve lifter cover
25	-----	1	COVER, valve lifter, rear (Order items 27,28 and 29)
<u>NOTE:</u> Items 26 thru 29 comprise the SECOND TYPE VALVE LIFTER COVERS effective with engine serial No. 10-4251			
26	4335453	1	COVER, valve lifter, front
27	4338674	1	COVER, valve lifter, rear (For engines prior to #10-10814 also order CLOSURE ASSEMBLY 4354449)
28	4335456	6	WASHER, valve lifter cover bolt
29	4335455	6	BOLT, valve lifter cover
30	4335022	1	STRAINER, oil filler (Used prior to engine #10-10814)
31	4366461	1	CAP ASSEMBLY, oil filler (Serviced only as a unit)(Used prior to engine #10-10814)
	4354449	1	CLOSURE ASSEMBLY, oil filler (Serviced only as a unit)(Effective with engine #10-10814)
32	4379291	1	PLATE AND STRAP ASSEMBLY, oil data (Used prior to engine #10-6426)

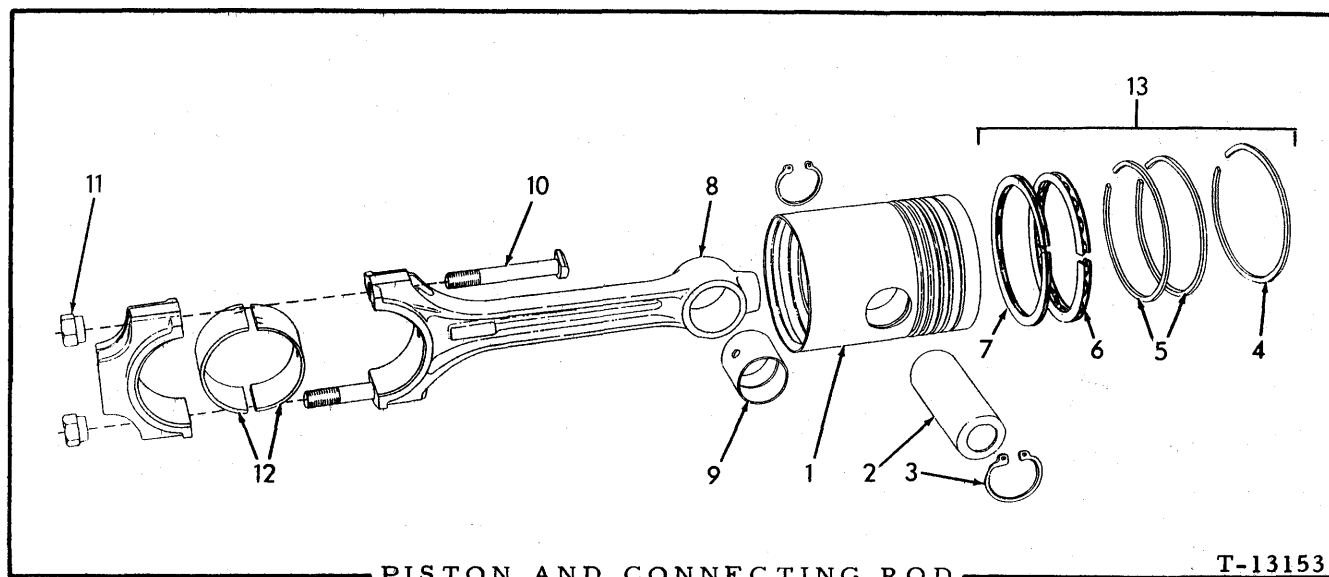
*Replacement bearing caps are semi-finished and must be line-bored after installing

□Also see PACKAGED PARTS
(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
33	4379141	1	PLATE, oil date (Used on engines #10-6426 thru #10-10813)
	904516	4	SCREW, drive, #6 x 1/4"
34	917724	1	PLUG, expansion, 2-3/4" diam. (Used prior to engine #10-4308)
	4335534	1	PLUG, camshaft hole (grooved for O-ring)(Effective with engine #10-4308)
35	4254624	1	□O-RING, camshaft hole plug (Effective with engine #10-4308)
36	-----	1	NUT, cap, oil pressure regulating valve (Used prior to engine #10-11205. Order SCREW 4389058)
37	-----	1	SCREW, oil pressure regulating valve (Used prior to engine #10-11205. Order SCREW 4389058)
	4389058	1	SCREW, oil pressure regulating valve (Nylok insert)(Effective with engine #10-11205)
	910847	1	NUT, jam, 3/4"NF
38	4113897	2	□GASKET, regulating valve nut (Used prior to engine #10-11205)
39	4660358	1	SPRING, oil pressure regulating valve
40	4500230	1	PISTON, oil pressure regulating valve
41	4347465	1	INSERT, oil pressure regulating valve seat
42	4347061	1	RESTRICTOR, oil passage (Additional 2 used on engine prior to #90846)
43	4346184	12	O-RING, cylinder sleeve (black)(Used prior to engine #10-6951)
	4337972	12	□O-RING, cylinder sleeve (red)(Effective with engine #10-6951)
44	4337971	6	□SLEEVE, cylinder (Used prior to engine #10-11022. If for engines prior to #10-6951 also order O-RING 4337972)(If replacing entire set order 6 Piston and Sleeve Kits 4338650 and 1 Cylinder Head Gasket Kit 4354291)
	4338648	6	□SLEEVE, cylinder (Effective with engine #10-11022)
45	4348857	-	SHIM, cylinder sleeve (.005" thick)
	4348856	-	SHIM, cylinder sleeve (.008" thick)
	4348859	-	SHIM, cylinder sleeve (.010" thick)
	4348858	-	SHIM, cylinder sleeve (.015" thick)
	4348900	-	SHIM, cylinder sleeve (.020" thick)
46	4335777	2	CAPSCREW, crankcase pad (3/8"NC x 3/4", nylok)(Effective with engine #10-4308)
47	4339604	1	PLATE, cover, turbocharger oil drain hole
	918683	2	CAPSCREW, 1/2"NC x 1-1/8"
	904208	2	LOCKWASHER, 1/2"
48	4336436	1	GASKET, oil drain hole cover
NOTE: Items listed below are furnished only with service replacement cylinder block and are not original equipment			
49	4335369	1	PLATE, cover, oil gallery hole, upper
	916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
50	4253106	2	O-RING, oil gallery hole cover plates
51	4335782	1	PLATE, cover, oil gallery hole, lower
	919230	1	CAPSCREW, 1/2"NC x 1-3/8"
52	4305073	2	STUD
	904208	3	LOCKWASHER, 1/2"
	910195	2	NUT, 1/2"NF

□Also see PACKAGED PARTS

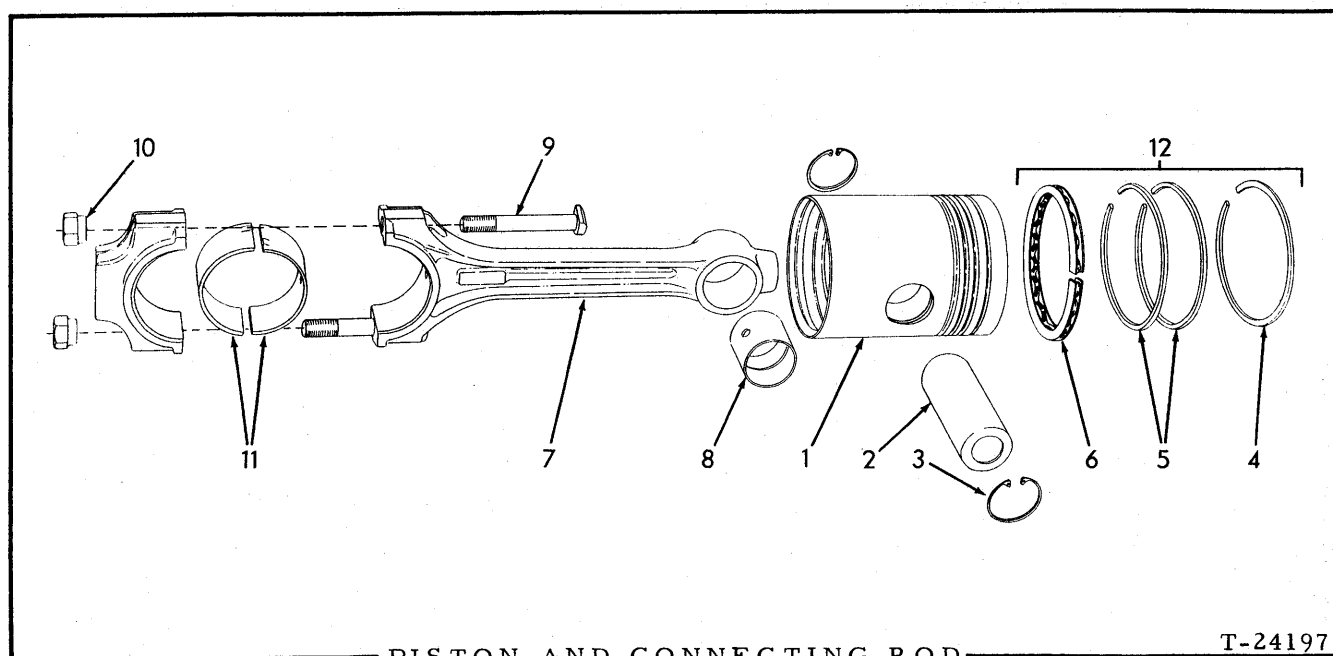


USAGE: Tractors prior to serial No. 6427 (516 series engine)

ITEM PART NO. QTY. DESCRIPTION

1	4348077	6	PISTON	
2	4347281	6	PIN, piston	
3	4254608	12	RETAINER, piston pin	
4	4347458	6	RING, compression (top groove)	} See item 13
5	4347235	12	RING, compression (2nd and 3rd grooves)	
6	-----	6	RING, oil control (4th groove)(Order item 13)	
7	4336190	6	RING, oil control (5th groove)(See item 13)	
8	4354188	6	ROD ASSEMBLY, connecting (Includes items 9 thru 11)	
9	4340081	6	BUSHING, connecting rod	
10	4354179	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	4336408	6	RING SET (Includes parts for one (1) piston only; items 4 thru 7)	

Also see PACKAGED PARTS

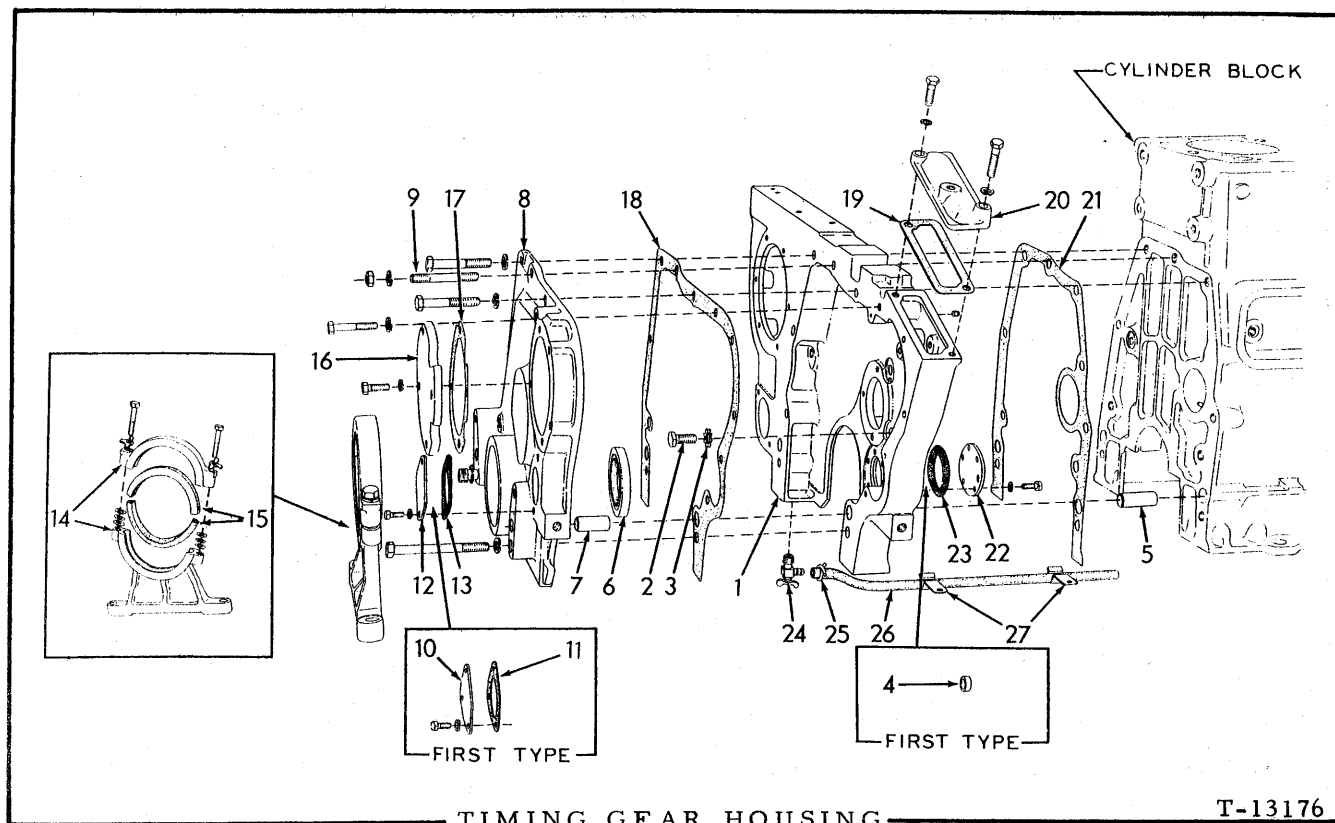


USAGE: Tractors serial No. 6427 and up (10000 series engines)

ITEM PART NO. QTY. DESCRIPTION

1	4336512	6	□PISTON
2	4337395	6	□PIN, piston
3	4255465	12	□RETAINER, piston pin
4	4347458	6	RING, compression (top groove)(See item 12)
5	4347235	12	RING, compression (See item 12)
6	4336559	6	RING, oil control (See item 12)
7	4354181	6	ROD ASSEMBLY, connecting (Includes items 8 thru 10)
8	4339017	6	BUSHING, connecting rod
9	4354179	12	BOLT, connecting rod
10	4354748	12	NUT, connecting rod bolt
11	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)
12	4336578	6	□RING SET (Includes parts for one (1) piston only; items 4, 5 and 6)

□Also see PACKAGED PARTS



* Used prior to engine serial No. 10-4332

** Effective with engine serial No. 10-4332

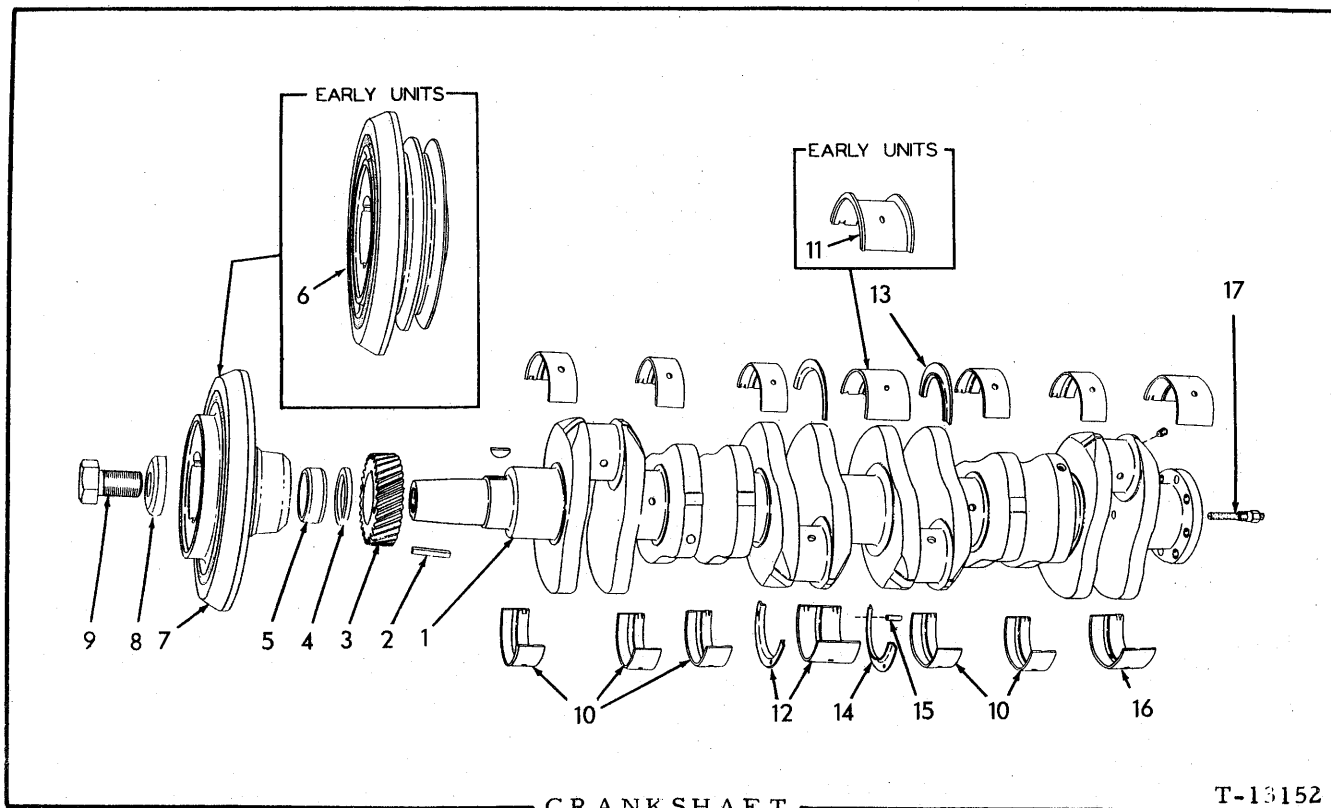
ITEM	PART NO.	QTY.		DESCRIPTION
1	-----	1	-	HOUSING, timing gear (Order 1 HOUSING 4337228, 2 PLUG 917970, and items 22 and 23)
	4337228	-	1	HOUSING, timing gear
	919134	-	1	PLUG, pipe, hex-hd., 1/8"NPT (Used prior to engine #10-5896)
	917970	-	1	PLUG, pipe, hex-socket, 1/2"NPT
2	4004054	3	3	CAPSCREW, 1/2"NC x 1-1/16"
3	4253490	3	3	LOCKWASHER
4	4253924	1	-	PLUG, cup (3/4" O. D.)
5	4346246	2	2	PIN, dowel, timing gear housing
6	-----	1	1	SEAL, oil, crankshaft (2-1/2" I. D.)(Used prior to engine #10-7156. Order SEAL 4338507)
	4338507	-	1	SEAL, oil, crankshaft (2-7/32" I. D.)(Effective with engine #10-7156)
7	4348107	2	2	PIN, dowel, timing gear cover
8	-----	1	-	COVER ASSY. timing gear housing (Order COVER ASSY. 4337281, 1 PLATE 4335711, 1 GASKET 4335712, 2 CAPSCREW 916274 and 1 CAPSCREW 921299)
	4337281	-	1	COVER ASSY., timing gear housing (Includes item 7)(If for tractors prior to #6427, also order 1 CAPSCREW 921299)
	915969	3	3	CAPSCREW, 1/2"NC x 3"
	916319	1	1	CAPSCREW, 1/2"NC x 3-1/2"
	919232	2	2	CAPSCREW, 1/2"NC x 4-3/4" (1 less used effective with tractor #6427)
	921299	-	1	CAPSCREW, hex-socket-hd., 1/2"NC x 4" (Effective with tractor #6427)
	919287	5	3	CAPSCREW, 3/8"NC x 1-7/8"
	916274	-	2	CAPSCREW, 3/8"NC x 2-1/4"
	904208	6	6	LOCKWASHER, 1/2"
	904206	5	5	LOCKWASHER, 3/8"

(Continued)

TIMING GEAR HOUSING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
9	915969	1	1	CAPSCREW, 1/2"NC x 3" (Used prior to engine #10-4030)
	908191	1	1	WASHER, plain, copper, 1/2"
	4335371	1	1	STUD, timing gear housing (Effective with engine #10-4030)
	904208	1	1	LOCKWASHER, 1/2"
	910195	1	1	NUT, 1/2"NF
10	4348285	1	-	PLATE, timing gear cover
	916277	3	-	CAPSCREW, 5/16"NC x 5/8"
	917330	3	-	WASHER, plain, copper, 5/16"
11	4376605	1	-	□GASKET, cover plate
12	4335711	-	1	PLATE, timing gear cover (Used prior to tractor #6069)
13	4335712	-	1	□GASKET, cover plate (Used prior to tractor #6069)
14	4335067	1	1	BRACKET, engine mounting (Includes cap)
	916009	10	10	WASHER, shimming (1/32" thick)
	4254891	2	2	CAPSCREW, 1/2"NC x 2-1/2"
	4335550	2	2	LOCKWASHER
15	4364864	2	2	LINER, engine mounting bracket(rubber)(Used prior to engine #10-6001)
	4336491	-	2	LINER, engine mounting bracket(nylon)(Effective with engine #10-6001)
16	4348310	1	1	PLATE, cover, injection pump driving gear (Used prior to engine #10-4855)
	916269	4	4	CAPSCREW, 3/8"NC x 7/8"
	904206	4	4	LOCKWASHER, 3/8"
17	4349011	1	1	GASKET, cover plate (Used prior to engine #10-4855)
18	4348126	1	1	□GASKET, timing gear housing cover
19	4347120	1	1	□GASKET, timing hole cover
20	4347119	1	1	COVER, fuel pump timing hole (Used prior to engine #10-5896)
	919225	2	2	CAPSCREW, 3/8"NC x 1-3/8"
	904206	2	2	LOCKWASHER, 3/8"
	4336524	-	1	COVER, fuel pump timing hole (Effective with engine #10-5896)
	919225	-	1	CAPSCREW, 3/8"NC x 1-3/8"
	919287	-	1	CAPSCREW, 3/8"NC x 1-7/8"
	904206	-	2	LOCKWASHER, 3/8"
21	4348136	1	1	□GASKET, timing gear housing
22	4336346	-	1	COVER, timing gear housing (Used prior to tractor #6069)
	916277	-	6	CAPSCREW, 5/16"NC x 5/8"
	917330	-	6	WASHER, plain, copper, 5/16"
23	4336345	-	1	□GASKET, housing cover (Used prior to tractor #6069)
24	079751	1	-	COCK, drain (1/4"NPT)(Used prior to tractor #2562)
	089894	1	1	COCK, drain (3/8"NPT)(Effective with tractor #2562)
25	089879	1	-	CLAMP, drain hose (Used prior to tractor #2562)
	089107	1	1	CLAMP, drain hose (Effective with tractor #2562)
26	089607	1	-	HOSE, water drain (3/8"I. D.)(Used prior to tractor #2562)
	091996	1	-	HOSE, water drain (5/8"I. D. x 22" long)(Used on tractors #2562 thru #4059)
	092652	1	1	HOSE, water drain (5/8"I. D. x 26" long)(Effective with tractor #4060)
27	092758	2	2	CLIP, supporting, water drain hose (Effective with tractor #4060)

□ Also see PACKAGED PARTS



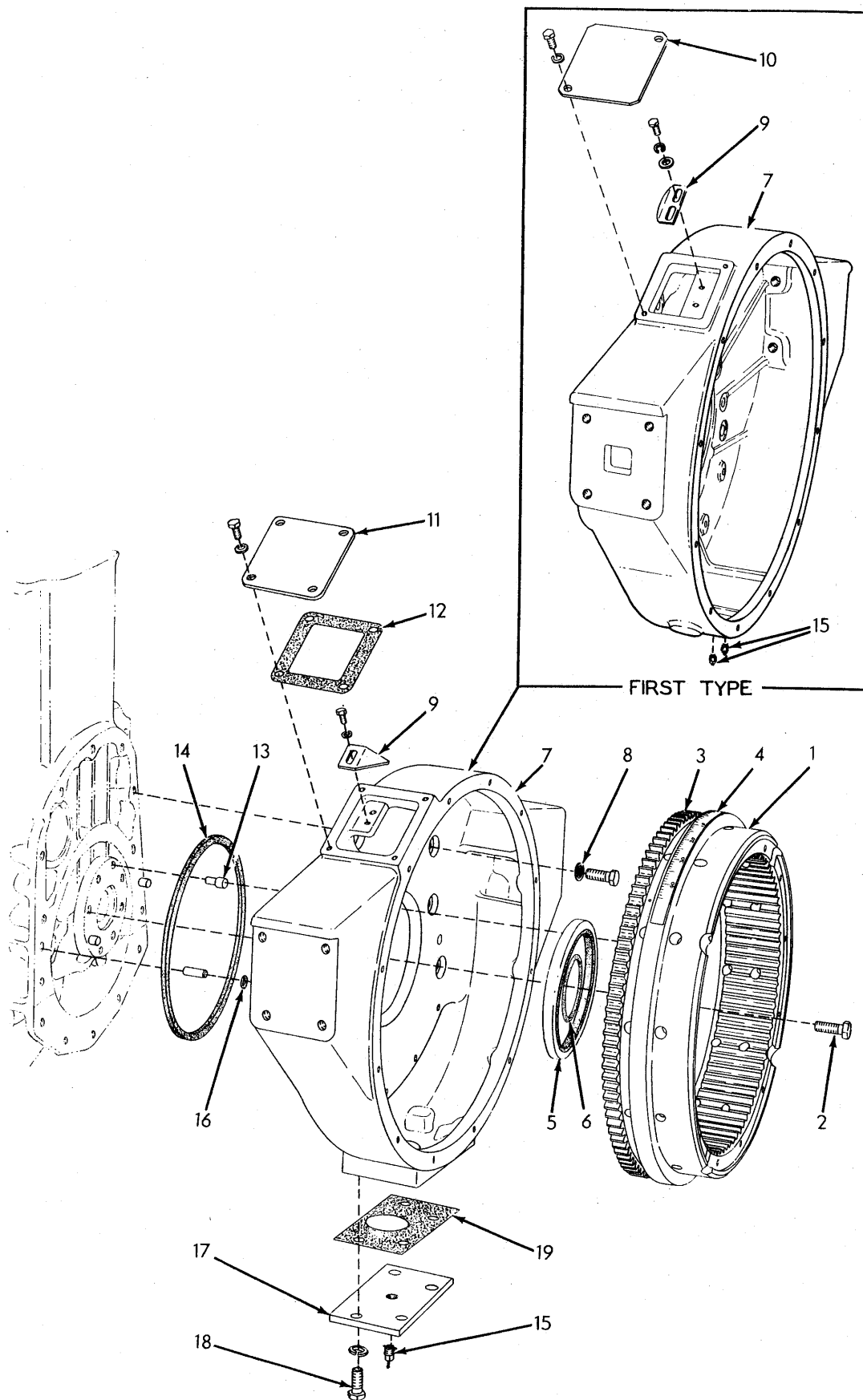
* Engines prior to serial No. 10-4143
 ** Effective with engine serial No. 10-4143

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	4337718	1	1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below)	
	917673	6	6	PLUG, pipe, hex-socket, 1/8"NPT	
	919840	1	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used on units with dry clutch)	
2	4003490	1	1	KEY, crankshaft pulley	
3	4337060	-	1	GEAR, crankshaft (hardened)(Effective with engine #10-6779)	
	4346205	1	1	GEAR, crankshaft (Used prior to engine #10-6779)	
	905127	1	1	KEY, "B" woodruff, 5/16" x 1"	
4	4374391	1	1	SPACER, front oil seal sleeve (Used prior to engine #10-7156)	} Cannot be used with replacement SEAL 4338507
5	4374390	1	1	SLEEVE, front oil seal (Used prior to engine #10-7156)	
6	4347815	1	1	PULLEY, crankshaft (Used prior to engine #10-4855)	
7	4335937	-	1	DAMPER, vibration (Effective with engine #10-4855)	

(Continued)

CRANKSHAFT (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
8	4371503	1	1	WASHER, crankshaft pulley bolt
9	4347897	1	1	CAPSCREW, crankshaft pulley
10	4337710	10	10	BEARING, front and intermediate main (standard size)
	4337711	10	10	BEARING, front and intermediate main (.010" undersize)
	4337712	10	10	BEARING, front and intermediate main (.020" undersize)
	4337713	10	10	BEARING, front and intermediate main (.030" undersize)
	4337714	10	10	BEARING, front and intermediate main (.040" undersize)
11	4337062	2	-	BEARING, center main (standard size)
	4337063	2	-	BEARING, center main (.010" undersize)
	4337064	2	-	BEARING, center main (.020" undersize)
	4337065	2	-	BEARING, center main (.030" undersize)
	4337066	2	-	BEARING, center main (.040" undersize)
12	4337735	-	1	BEARING KIT, center main (standard size)
	4337736	-	1	BEARING KIT, center main (.010" undersize)
	4337737	-	1	BEARING KIT, center main (.020" undersize)
	4337738	-	1	BEARING KIT, center main (.030" undersize)
	4337739	-	1	BEARING KIT, center main (.040" undersize)
<u>NOTE:</u> Each Bearing Kit listed above includes upper and lower bearings, set of standard thrust flanges and dowel pins				
13	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)
14	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)
15	4250898	-	4	PIN, dowel, thrust flange
16	4337698	2	2	BEARING, rear main (standard size)
	4337699	2	2	BEARING, rear main (.010" undersize)
	4337700	2	2	BEARING, rear main (.020" undersize)
	4337715	2	2	BEARING, rear main (.030" undersize)
	4337716	2	2	BEARING, rear main (.040" undersize)
17	084584	1	1	WICK ASSEMBLY, oiling, flywheel bearing (Serviced only as a unit)(Used only with dry clutch tractors, prior to #6911)



FLYWHEEL AND HOUSING

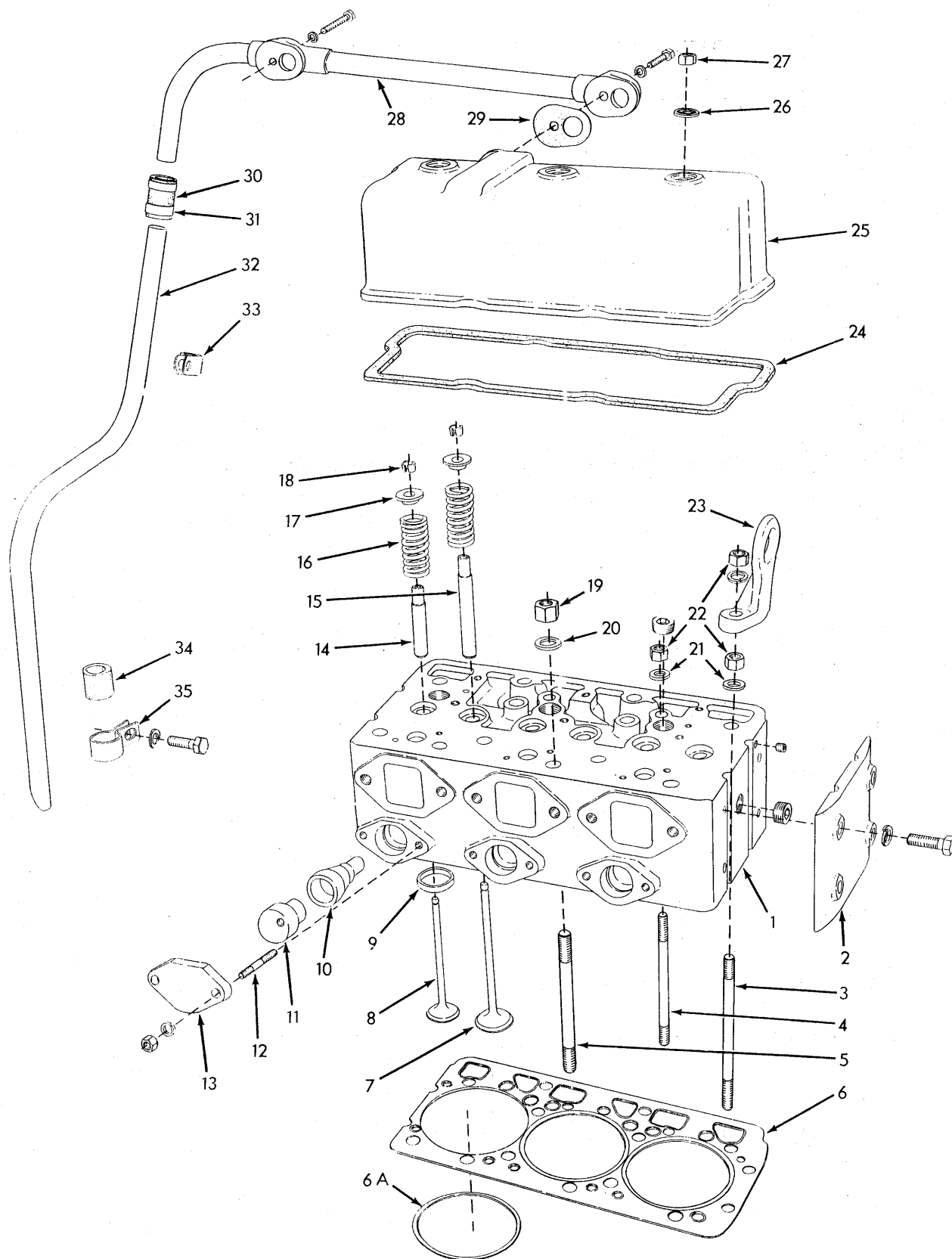
FLYWHEEL AND HOUSING

* Model HD11G (without torque converter)

** Model HD11GC (with torque converter)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4338544	1	-	FLYWHEEL ASSY. (Includes item 3)(Engines prior to #10-6889. For use with dry clutch only)
	4338498	1	-	FLYWHEEL ASSY. (Includes item 3)(Engines #10-6889 and up. For use with oil clutch only)
	4338499	-	1	FLYWHEEL ASSY. (Includes item 3)
2	4255343	6	-	BOLT, flywheel (1-1/4" long)
	4255337	-	6	BOLT, flywheel (1-1/2" long)
3	4341292	1	-	GEAR, ring
	4304907	-	1	GEAR, ring
4	4336621	1	1	STRIP, timing marks (Used on engines #10-6530 thru #10-7637)
4A	4027282	1	1	SLEEVE, wear (Provides new seal surface for worn flywheels. Requires use of larger oil SEAL 4027280)
5	4338219	1	-	SEAL, oil, crankshaft rear end (single-lip, 5-3/8" I.D.) } original equipment
	4338440	-	1	
	4027280	1	2	SEAL, oil, crankshaft rear end (single-lip, 5-1/2" I.D.)(Service replacement. Used with item 4A only)
	4338771	-	1	SHIM, seal spacing (Used with SEAL 4338440 only on engines prior to #10-10151)
5A	4027439	-	1	SPACER, oil seal (Installed between 4027280 Seals)
6	4254182	1	1	O-RING, flywheel to crankshaft (Effective with engine #10-10151 on HD11GC and engine #10-10271 on HD11G; not used with dry clutch)
7	-----	1	-	HOUSING, flywheel (Used prior to engine #10-6507. Order HOUSING HOUSING 4339603, POINTER 4336609, COVER 4336634 and GASKET 4336676)
	4339603	1	1	HOUSING, flywheel (On Model HD11G was used only on engines #10-6507 thru #10-6888)(When making first replacement also order CAPSCREW 923239)
	4337901	1	-	HOUSING, flywheel (Engines #10-6889 and up. For use with oil clutch only)
8	923239	1	1	CAPSCREW, Nylok, 1/2"NC x 3/4" (Not original equipment)
	917021	2	2	PIN, dowel, 1/2" x 1"
	916311	9	9	CAPSCREW, 1/2"NC x 1-1/4"
	904208	9	-	LOCKWASHER, 1/2" (Used prior to engine #10-6507)
	4376749	9	9	WASHER, sealing (On Model HD11G was effective with engine #10-6507)
9	4348410	1	-	POINTER, timing (Used prior to engine #10-6507)
	4336609	1	1	POINTER, timing (On Model HD11G was effective with engine #10-6507)
10	916284	2	2	CAPSCREW, 1/4"NC x 1/2"
	904204	2	-	LOCKWASHER, 1/4"
	4336251	1	-	COVER, timing hole (Used prior to tractor #6069)
	4348253	1	-	COVER, timing hole (Effective with tractor #6069 but later discontinued on engine #10-6507)
	916284	2	-	CAPSCREW, 1/4"NC x 1/2"
	904204	2	-	LOCKWASHER, 1/4"

(Continued)



CYLINDER HEAD (First type)

FLYWHEEL AND HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
11	4336634	1 1	COVER, timing hole (On Model HD11G was effective with engine #10-6507)
	915343	4 4	CAPSCREW, 1/4"NC x 5/8"
	904204	4 4	LOCKWASHER, 1/4"
12	4336676	1 1	GASKET, timing hole cover (On Model HD11G was effective with engine #10-6507)
13	4500300	2 2	DOWEL, flywheel to crankshaft
13A	4359168	1 1	SLUG KIT, dowel sealing (Consists of 2 lead slugs)
14	4336897	1 1	☐ RING, sealing, flywheel housing to crankcase
15	4336771	1 -	PLUG ASSY., drain (Includes cotter pin)(Used prior to engine #10-6889. 1 additional used on engines prior to #10-6507)
16	923376	2 2	O-RING, flywheel housing dowel pin hole (On Model HD11G was effective with engine #10-6507)
17	628512	1 -	COVER, bottom, flywheel housing (Used on engines #10-6507 thru #10-6888 only)
18	035061	4 -	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4 -	LOCKWASHER, 1/2"
19	629141	1 -	GASKET, flywheel housing bottom cover (Used on engines #10-6507 thru #10-6888 only)

☐ Also see PACKAGED PARTS

CYLINDER HEAD

USAGE: Tractors prior to serial No. 6427 (516 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336489	2	HEAD ASSY., cylinder (Includes items 9, 14, 15 and PLUGS indented below)
	917673	4	PLUG, pipe, hex-socket, 1/8"NPT
	918851	10	PLUG, pipe, hex-socket, 3/4"NPT
2	4347505	2	PLATE, end
	915987	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	8	LOCKWASHER, 1/2"
3	{ 4034282	2	STUD, cylinder head (1/2" x 9")(Also attaches lifting eye)
	4372725	2	STUD, cylinder head (1/2" x 8-1/2")
4	4372724	6	STUD, cylinder head (1/2" x 7-5/8")
5	4347435	24	STUD, cylinder head (5/8" x 8")
6	{ 4354294	1	☐ GASKET ASSY., cylinder head, front (shown)
	4354295	1	☐ GASKET ASSY., cylinder head, rear (opposite)
			} Each includes item 6A
6A	4339848	6	GASKET, fire ring (cylinder sealing)(Not original equipment)
7	4348079	6	VALVE, intake
8	4348090	6	VALVE, exhaust

☐ Also see PACKAGED PARTS

(Continued)

CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	4346146	6	INSERT, exhaust valve seat (standard size)
	4337215	6	INSERT, exhaust valve seat (.005" oversize)
10	4345658	6	CELL ASSEMBLY, energy (Includes orifice and pin. Serviced only as a unit)
11	4341123	6	PLUG, energy cell
12	4335573	12	STUD, energy cell clamp
	904206	12	LOCKWASHER, 3/8"
	910123	12	NUT, 3/8"NF
13	4346543	6	RETAINER, energy cell
14	4346093	6	GUIDE, exhaust valve
15	4346092	6	GUIDE, intake valve
16	4345412	12	SPRING, valve
17	4343799	12	RETAINER, valve spring
18	4347270	24	LOCK, valve spring retainer (half only)
19	4388202	24	NUT, cylinder head stud (5/8"NF)
20	4354490	24	WASHER, cylinder head nut (for 5/8" stud)
21	4372864	14	WASHER, cylinder head nut (for 1/2" stud)
22	4388205	14	NUT, cylinder head stud (1/2"NF)
23	4347619	2	EYE, engine lifting
24	4335279	2	□GASKET, rocker cover
25	4347514	2	COVER, rocker
26	4364131	6	WASHER, sealing, rocker cover nut (Used prior to engine #10-4453)
	4375938	6	WASHER, sealing, rocker cover nut (Effective with engine #10-4453)
27	910986	6	NUT, rocker cover (Used prior to engine #10-4453)
	906985	6	WASHER, plain, U.S. std., 7/16"
	4375937	6	NUT, rocker cover (Nylok) (Effective with engine #10-4453)
28	4349305	1	TUBE, breather, upper section
	916274	1	CAPSCREW, 3/8"NC x 2-1/4" (Used prior to engine #96989)
	916273	1	CAPSCREW, 3/8"NC x 1-3/4" (Effective with engine #96989)
	912069	1	CAPSCREW, 3/8"NC x 2-1/2"
	904206	2	LOCKWASHER, 3/8"

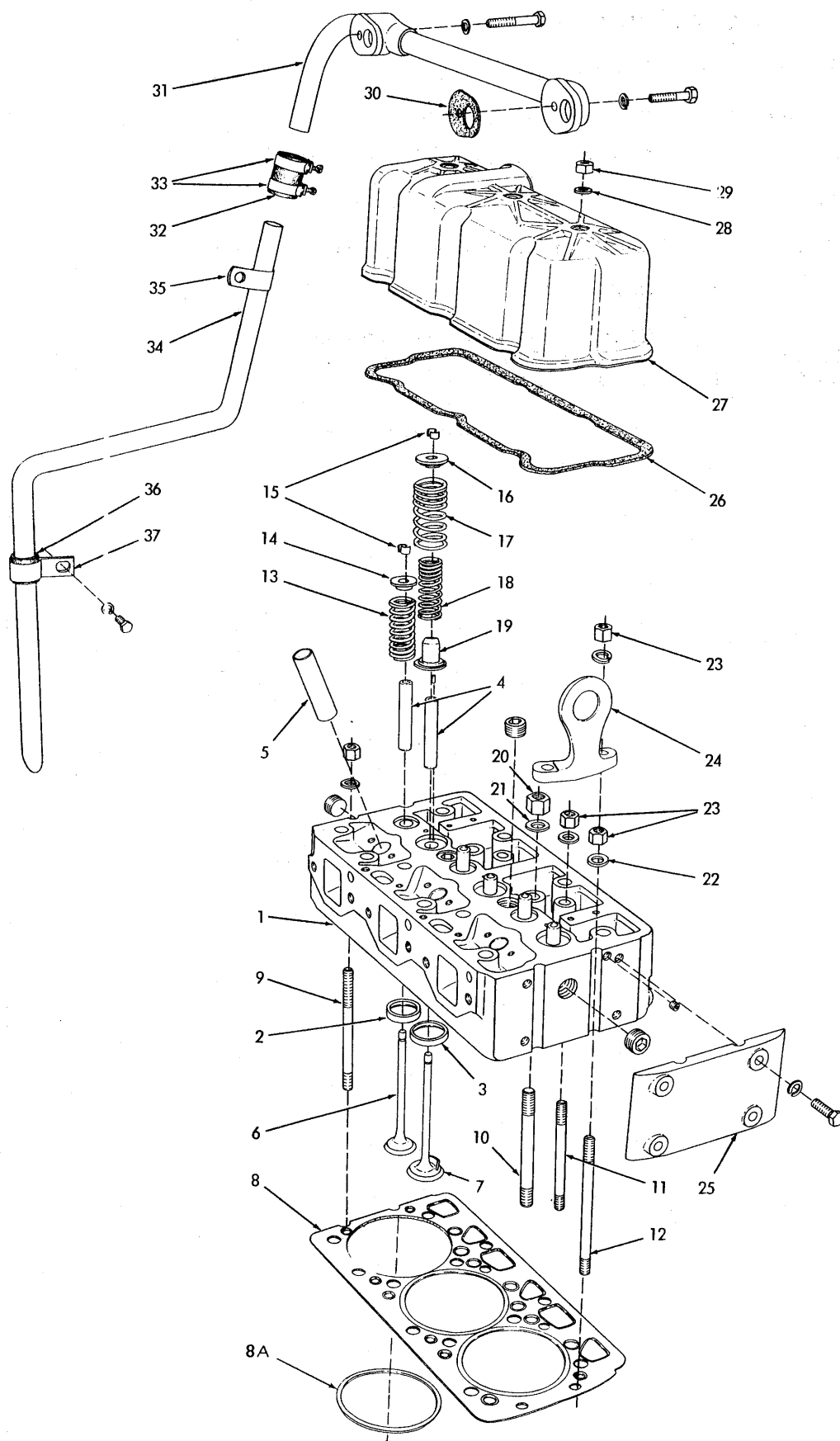
□Also see PACKAGED PARTS

(Continued)

CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	4348133	2	□GASKET, breather tube
30	4347924	1	HOSE, breather tube
31	4253453	2	CLAMP, breather tube hose
32	4347923	1	TUBE, breather, lower section
33	4254173	1	CLIP, breather tube supporting, upper
34	4371324	1	INSULATOR, breather tube (rubber)
35	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



CYLINDER HEAD (Second type)

CYLINDER HEAD

USAGE: Tractors serial No. 6427 and up (10000 series engine)

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	4336419	6	INSERT, exhaust valve seat (standard size)
	4336602	6	INSERT, exhaust valve seat (.005" oversize)
	4339547	6	INSERT, exhaust valve seat (standard size)
	4339625	6	INSERT, exhaust valve seat (.005" oversize)
3	4336418	6	INSERT, intake valve seat (standard size)
	4336601	6	INSERT, intake valve seat (.005" oversize)
	4339546	6	INSERT, intake valve seat (standard size)
	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	4354294	1	□ GASKET ASSEMBLY, cylinder head, front (shown)
	4354295	1	□ GASKET ASSEMBLY, cylinder head, rear (opposite)
8A	4339848	6	GASKET, fire ring (cylinder sealing)(Effective with engine #10-13216)
9	4339499	4	STUD, cylinder head (1/2" x 7")
10	4339505	24	STUD, cylinder head (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 7-3/8")
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

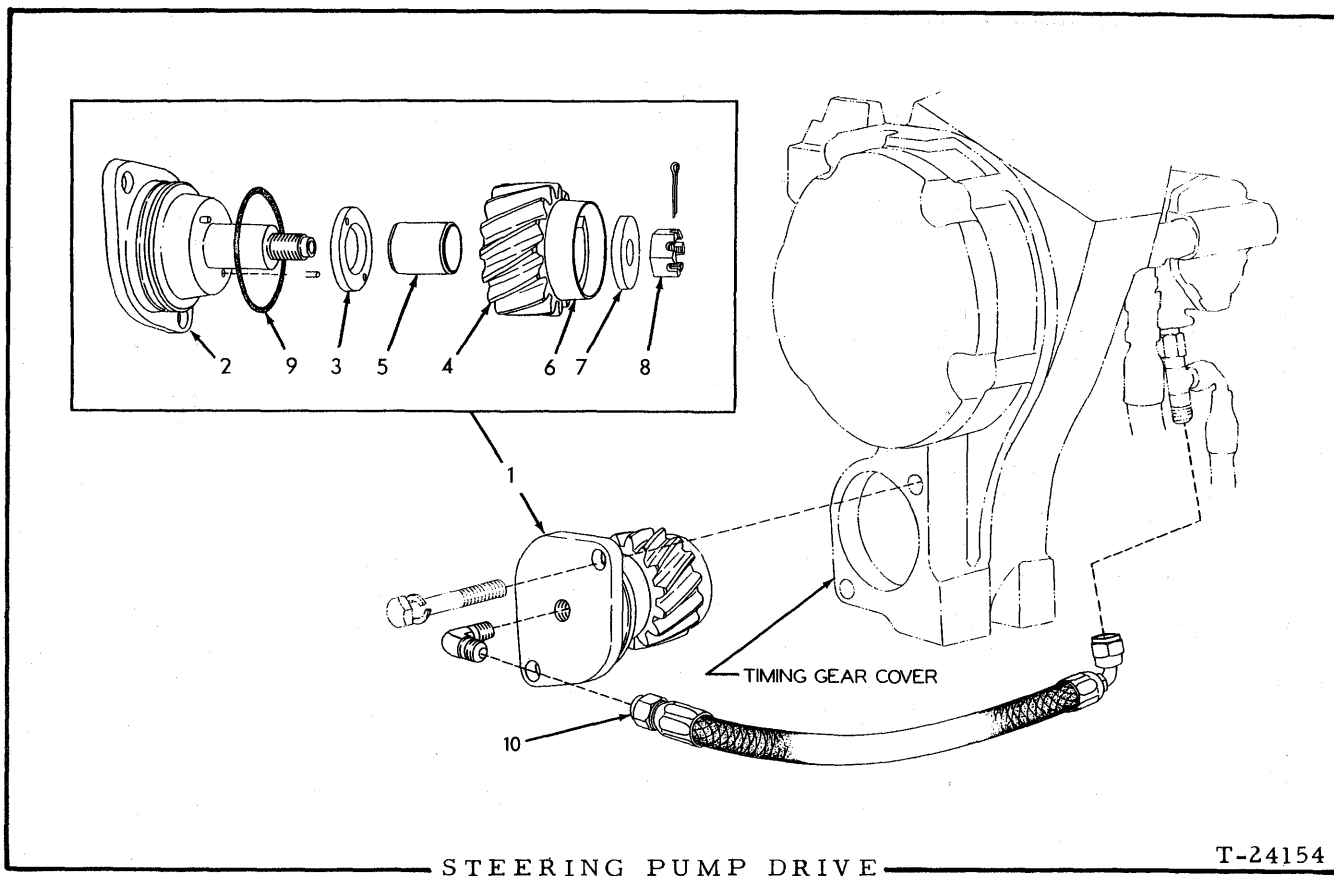
□ Also see PACKAGED PARTS

(Continued)

CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	4388202	20	NUT, cylinder head stud (5/8"NF)
	4354407	4	NUT, cylinder head stud (5/8"NF, Nylok)(For end studs only)
21	4354490	24	WASHER, cylinder head nut (For 5/8" stud)
22	4372864	14	WASHER, cylinder head nut (For 1/2" stud)
23	4388205	14	NUT, cylinder head stud (1/2"NF)
24	4347619	2	EYE, engine lifting
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	4375337	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	4338310	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

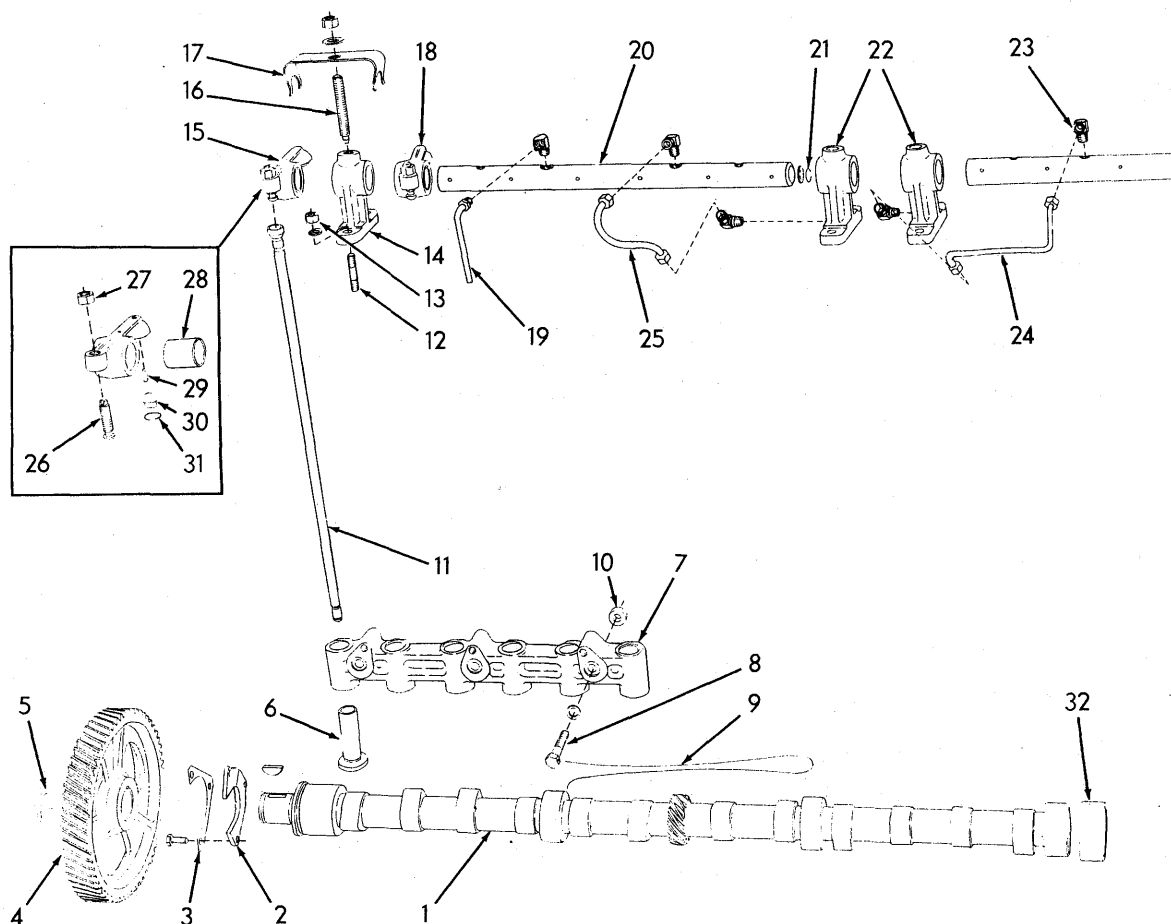


USAGE: Tractors serial No. 6069 and up

ITEM PART NO. QTY. DESCRIPTION

1	4338168	1	DRIVE ASSEMBLY (Consists of items 2 thru 9; also ELBOW 919173)
	-----	2	CAPSCREW (See TIMING GEAR HOUSING section)
2	4335694	1	SHAFT ASSEMBLY (Includes PINS indented below)
	919242	2	PIN, roll, 1/8" x 3/8" (dowel)
3	4376598	1	WASHER, thrust
4	4339750	1	GEAR ASSEMBLY (Includes items 5 and 6)
5	4335654	1	BUSHING, drive gear
6	4338161	1	SLEEVE, drive gear
7	4335655	1	WASHER, gear retaining
8	919115	1	NUT, gear retaining (1/2"NF, left hand thread)
	900801	1	PIN, cotter, 3/32" x 3/4"
9	923814	1	O-RING, drive sealing
10	4335583	1	HOSE ASSEMBLY, lubricating (See page 6 for parts)
	919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male

Also see PACKAGED PARTS



VALVE OPERATING MECHANISM

T-13177

USAGE: Tractors prior to serial No. 6427 (516 series engine)

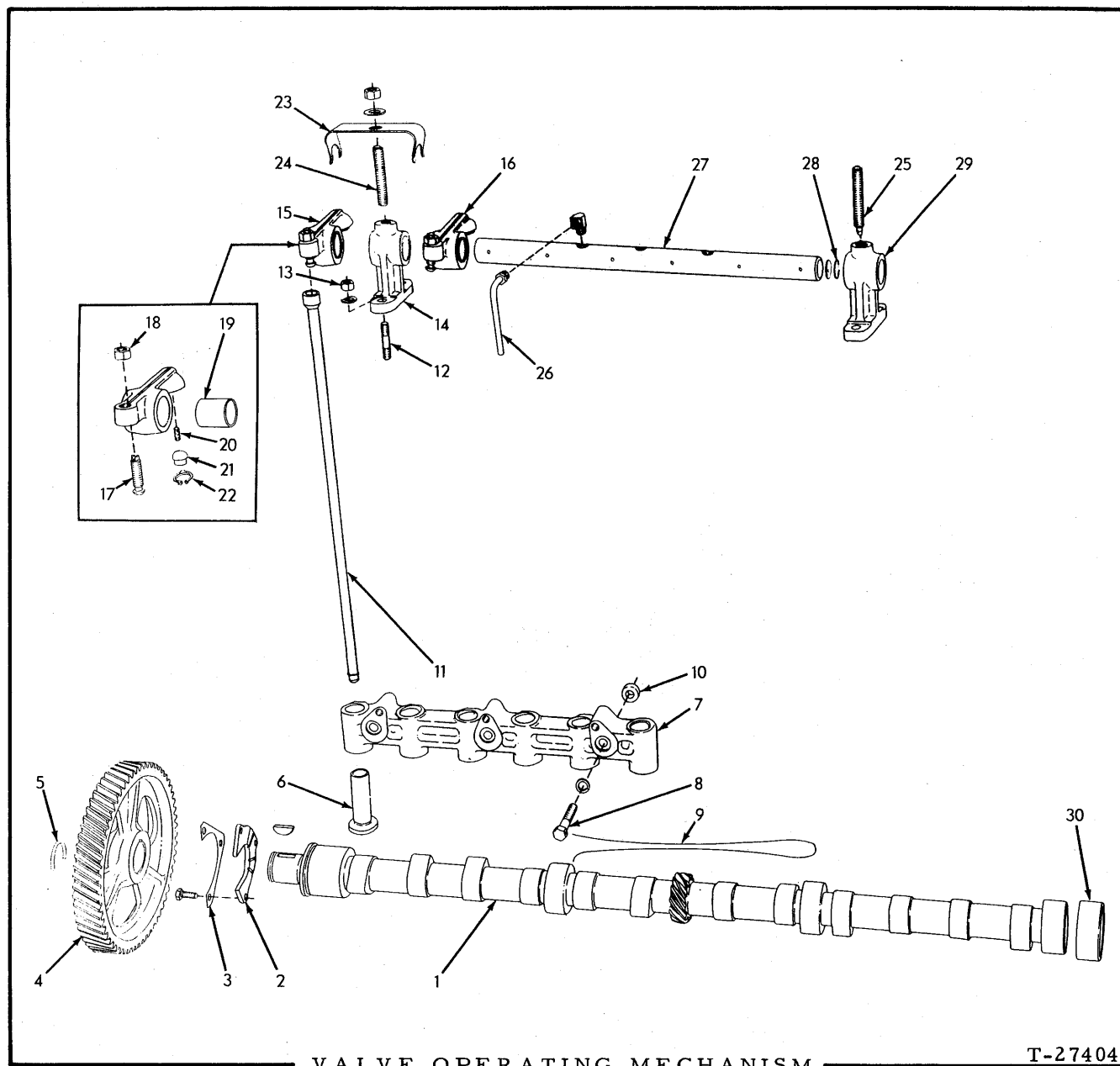
* Used prior to engine serial No. 90846
 ** Effective with engine serial No. 90846

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4347508	1	1	CAMSHAFT
	905126	1	1	KEY, #5 woodruff, 1/4" x 1"
2	4349257	1	1	COLLAR, camshaft thrust
	916277	3	3	CAPSCREW, 5/16"NC x 5/8"
3	4025391	1	1	PLATE, capscrew locking
4	4346206	1	1	GEAR, camshaft
5	4346307	1	1	RING, snap, gear retaining
6	4338299	12	12	LIFTER, valve
7	4347511	2	2	BRACKET, valve lifter
8	4335548	6	6	CAPSCREW, 3/8"NC x 1-7/8"
	904206	6	6	LOCKWASHER, 3/8"
9	4335547	2	2	WIRE, locking

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NUMBER	QTY. * **		DESCRIPTION
10	4347832	4	4	DOWEL, hollow, valve lifter bracket
11	4346209	12	12	ROD, push
12	4506946	12	12	STUD, rocker shaft bracket (3/8"NC x 3/8"NF x 1-9/16")
	904206	12	12	LOCKWASHER, 3/8"
13	4348440	12	12	NUT, heat-treated, 3/8"NF
14	4346992	4	-	BRACKET, rocker shaft (No. 1, 2, 5 and 6 cylinders)
	4335057	-	4	BRACKET, rocker shaft (No. 1, 2, 5 and 6 cylinders)
15	4346017	6	6	ARM ASSEMBLY, rocker, intake valve (Includes items 26 thru 31)
16	4348130	2	2	SCREW, rocker shaft retaining (3" long, dog-pt.)
	4348129	4	4	STUD, rocker arm retaining clip (2-5/8" long)
	912298	6	6	WASHER, plain, SAE std., 7/16"
	910986	6	6	NUT, 7/16"NF
17	4338143	6	6	CLIP, spring, rocker arm retaining
18	4346018	6	6	ARM ASSEMBLY, rocker, exhaust valve (Includes items 26 thru 31)
19	4349157	2	2	TUBE ASSEMBLY, rocker shaft overflow (Includes nut)
	913040	2	-	ELBOW, inverted flare, 90°, 1/4" tube, 1/4"NPT male
	913039	-	2	ELBOW, inverted flare, 90°, 1/4" tube, 1/8"NPT male
20	4347462	2	-	SHAFT ASSEMBLY, rocker arm (Includes 910002 PLUGS)
	4335399	-	2	SHAFT ASSEMBLY, rocker arm (Includes items 21 and PLUGS indented below)
	910002	4	4	PLUG, expansion, 3/4" diam.
21	4254363	-	4	RING, snap, rocker shaft (Effective with engine #4271)
22	4346992	2	-	BRACKET, rocker shaft (No. 3 and 4 cylinders)
	4349291	-	2	BRACKET, rocker shaft (No. 3 and 4 cylinders)
23	4335381	-	2	ELBOW, rocker shaft tube (restricted)
24	4349309	-	1	TUBE ASSEMBLY, rear shaft oil supply (Includes NUTS and SLEEVES indented below)
	911437	-	2	NUT, compression fitting, 1/4" tube
	911435	-	2	SLEEVE, compression fitting, 1/4" tube
	911017	-	1	ELBOW, compression type, 1/4" tube, 1/8"NPT male
25	4335043	-	1	TUBE ASSEMBLY, front shaft oil supply (Includes NUTS and SLEEVES indented below)
	911437	-	2	NUT, compression fitting, 1/4" tube
	911435	-	2	SLEEVE, compression fitting, 1/4" tube
	911017	-	1	ELBOW, compression type, 1/4" tube, 1/8"NPT male
26	4304051	12	12	SCREW, valve lash adjustment
27	4348440	12	12	NUT, valve lash adjustment screw
28	4660369	12	12	BUSHING, rocker arm
29	4364422	12	12	WICK, oiling, rocker ball
30	4661329	12	12	BALL, rocker arm
31	4661328	12	12	RETAINER, rocker arm ball
32	-----	-	-	BEARING, camshaft (See CYLINDER BLOCK)



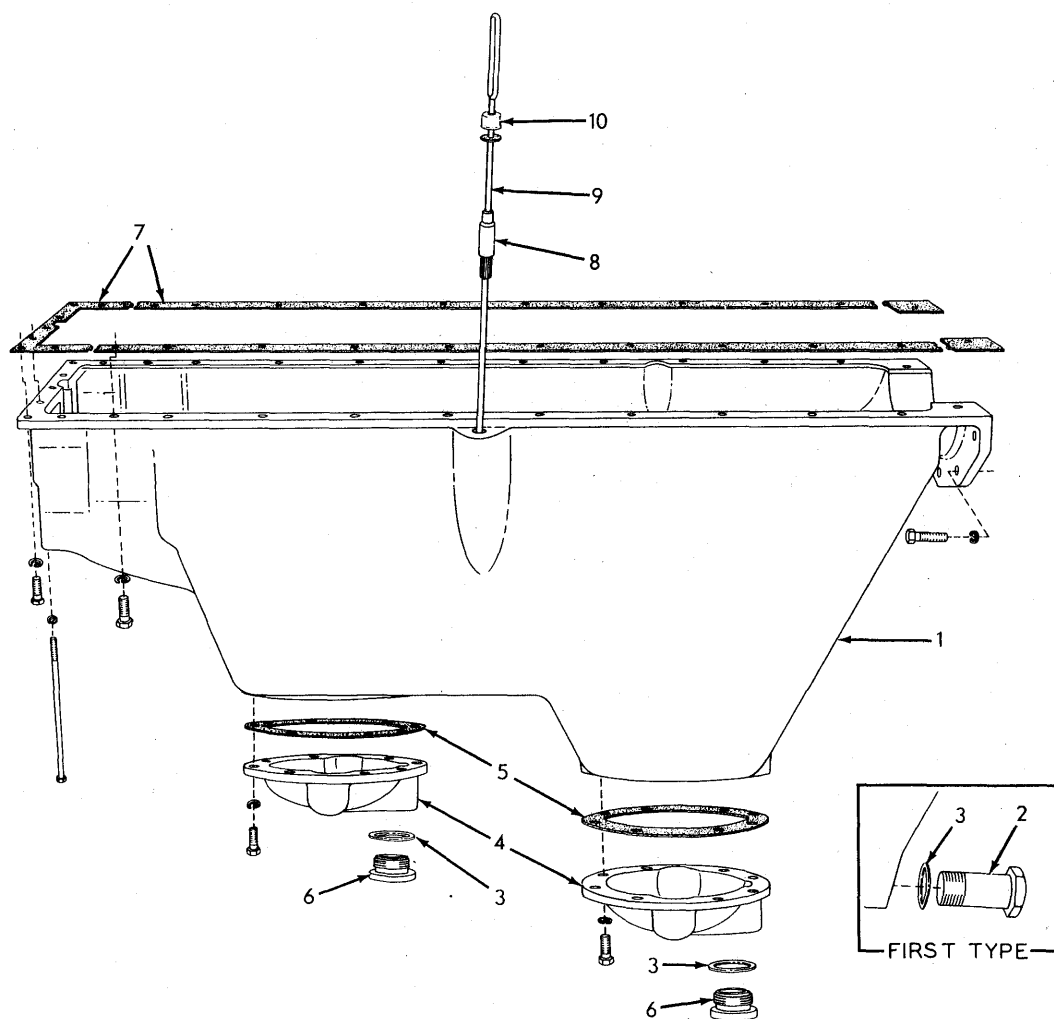
USAGE: Tractors serial No. 6427 and up (10000 series engine)

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	4346206	1	GEAR, camshaft (Used prior to engine #10-6779)
	4337045	1	GEAR, camshaft (hardened)(Effective with engine #10-6779)
5	4346307	1	RING, snap, gear retaining

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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
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, snap, rocker arm ball
23	4338143	6	CLIP, spring, rocker arm retaining
	912298	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	TUBE 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 item 28 and PLUGS indented below)
	910002	4	PLUG, expansion, 3/4" diam.
28	4254363	4	RING, snap, rocker shaft
29	4336142	2	BRACKET, rocker shaft, center
30	-----	1	BEARING, camshaft (See CYLINDER BLOCK)



OIL PAN

T-13155

* Engines prior to serial No. 10-4078
 ** Engine serial No. 10-4078 and up

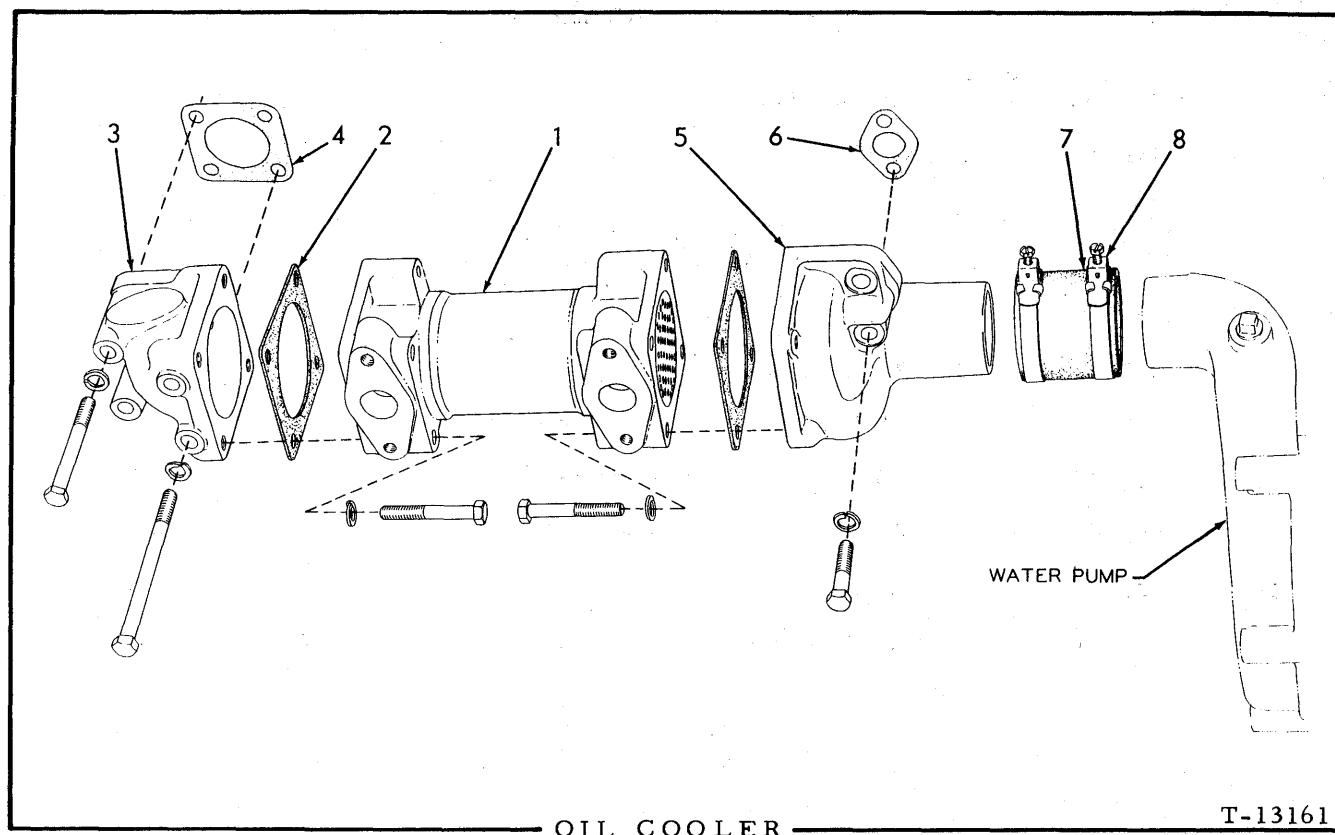
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	PAN, oil (Order PAN 4337466, GAUGE 4336872 and items 3 thru 6)
	4337466	-	1	PAN, oil
	919224	29	29	CAPSCREW, 3/8"NC x 1-1/8"
	920539	-	5	CAPSCREW, Nylok, 3/8"NC x 1" (Used only on tractors with oil clutch)
	914392	2	2	CAPSCREW, 5/16"NC x 1"
	919787	3	3	CAPSCREW, 5/16"NC x 6-1/2"
	904206	29	29	LOCKWASHER, 3/8"
	904205	5	5	LOCKWASHER, 5/16"
2	4347544	1	-	PLUG, oil drain

(Continued)

OIL PAN (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
3	035249	1 2	□GASKET, oil drain plug
4	4373770	- 2	COVER, clean-out
	916271	- 16	CAPSCREW, 3/8"NC x 1"
	904206	- 16	LOCKWASHER, 3/8"
5	4373069	- 2	□GASKET, clean-out cover
6	035250	- 2	PLUG, oil drain
7	4347543	1 1	GASKET SET, oil pan (5 pieces)
8	4349037	1 1	ADAPTOR, oil level gauge
9	4506607	1 1	SEAL, oil level gauge
10	4336872	1 1	GAUGE, oil level

□Also see PACKAGED PARTS

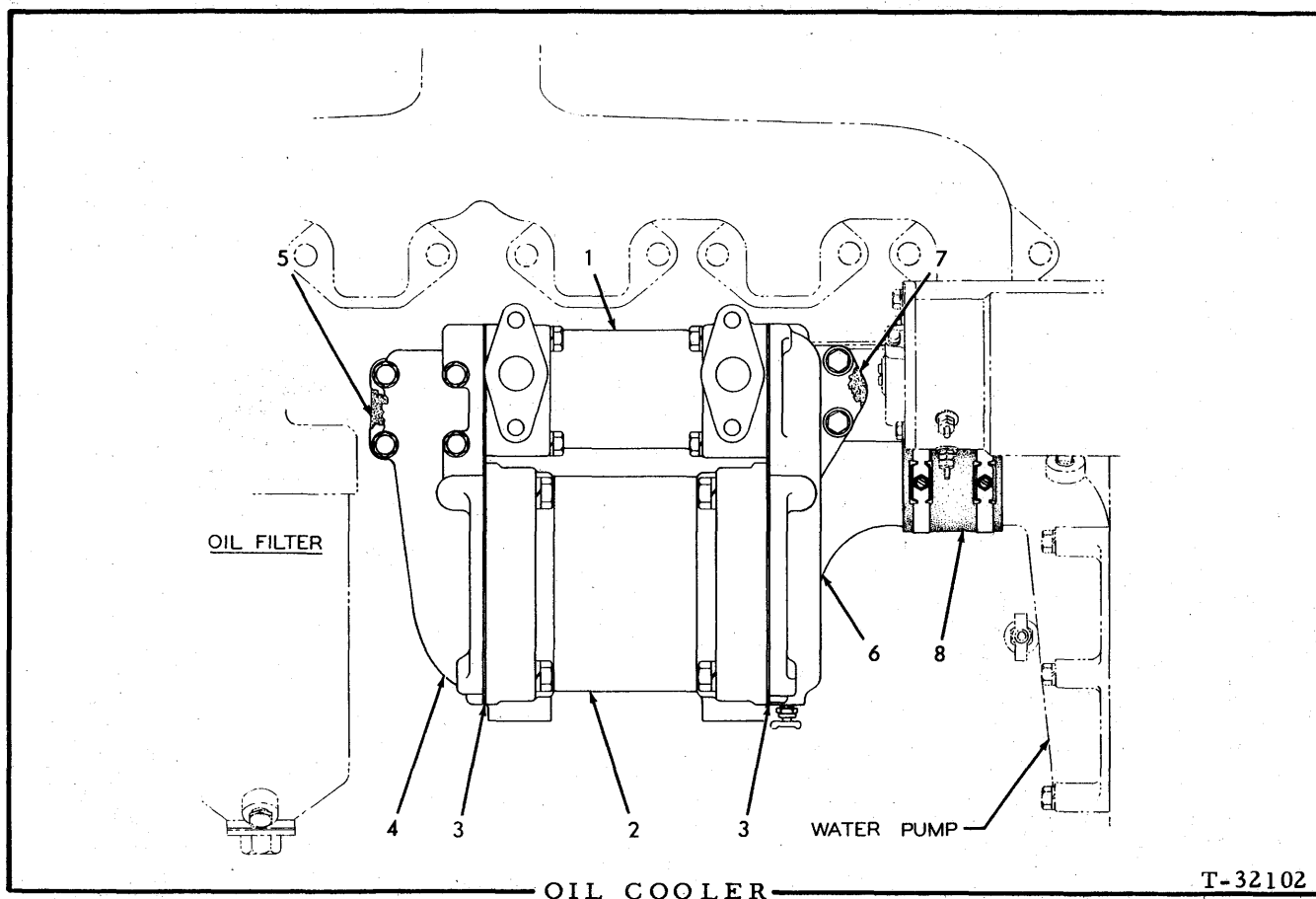


USAGE: Model HD11G tractors prior to serial No. 6911 with dry clutch

ITEM PART NO. QTY. DESCRIPTION

1	4336596	1	COOLER, lubricating oil (If for engines prior to #10-4445, also order 4 CAPSCREW 912069)
	916271	4	CAPSCREW, 3/8"NC x 1" (Used prior to engine #10-4445)
	912069	8	CAPSCREW, 3/8"NC x 2-1/2" (4 less used on engines prior to #10-4445)
	904206	8	LOCKWASHER, 3/8"
2	4349984	2	□GASKET, oil cooler
3	4348099	1	CONNECTION, water outlet
	919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	918778	2	CAPSCREW, 3/8"NC x 4-3/4"
	904206	4	LOCKWASHER, 3/8"
4	4348184	1	□GASKET, water outlet
5	4348100	1	CONNECTION, water inlet
	916273	2	CAPSCREW, 3/8"NC x 1-3/4"
	904206	2	LOCKWASHER, 3/8"
6	4348185	1	□GASKET, water inlet
7	4506737	1	HOSE, water pump to cooler
8	4253922	2	CLAMP, hose

□Also see PACKAGED PARTS

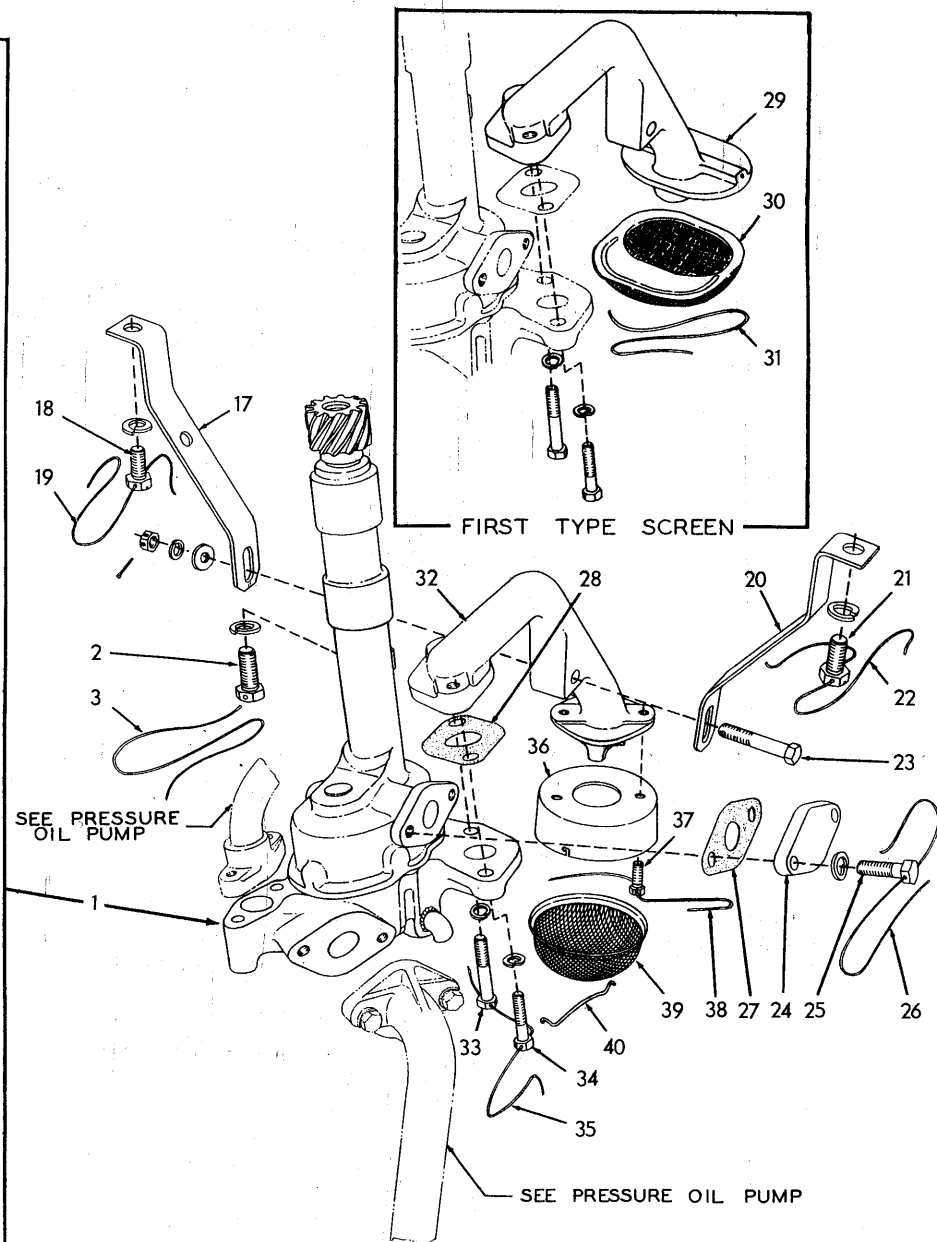
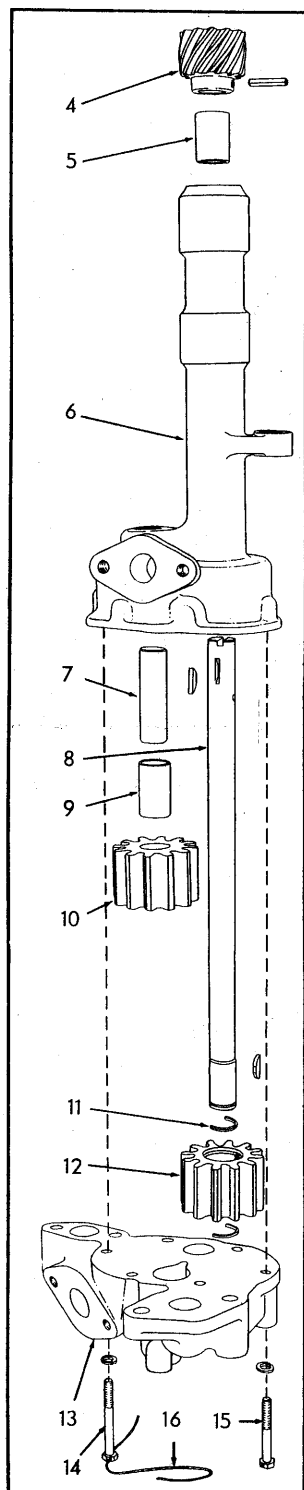


USAGE: All Model HD11GC tractors; also Model HD11G tractors serial No. 6911 and up.

ITEM PART NO. QTY. DESCRIPTION

1	4336596	1	COOLER, engine oil
	920030	2	CAPSCREW, 3/8"NC x 2-3/8"
	912069	6	CAPSCREW, 3/8"NC x 2-1/2"
	904206	8	LOCKWASHER, 3/8"
2	4337521	1	COOLER, torque converter oil (Model HD11GC)
	903641	8	CAPSCREW, 1/2"NC x 2-1/4"
	904208	8	LOCKWASHER, 1/2"
	4338186	1	COOLER, engine clutch oil (Model HD11G)
	916313	8	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
3	4337524	2	GASKET, oil coolers
4	4337522	1	CONNECTION, water outlet
	918778	4	CAPSCREW, 3/8"NC x 4-3/4"
	904206	4	LOCKWASHER, 3/8"
5	4348184	1	□GASKET, water outlet
6	4337523	1	CONNECTION, water inlet
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
	4255363	1	COCK, drain, 1/4"NPT
7	4348185	1	□GASKET, water inlet
8	4506737	1	HOSE, water pump to coolers
	4253922	2	CLAMP, hose

□Also see PACKAGED PARTS



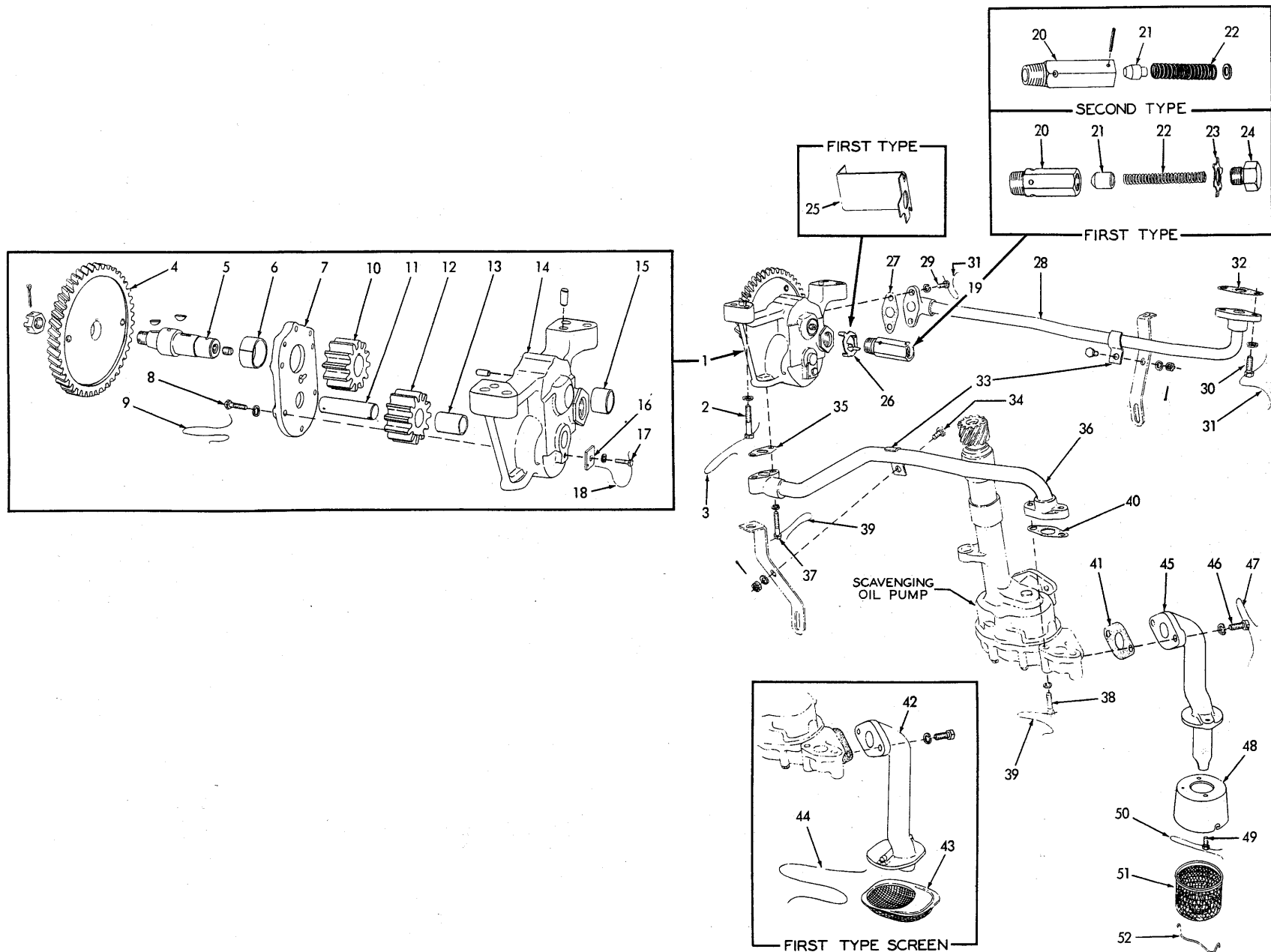
SCAVENGING OIL PUMP

SCAVENGING OIL PUMP

* Used prior to engine serial No. 10-4028
 ** Effective with engine serial No. 10-4028

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4335004	1	1	PUMP ASSEMBLY, scavenging (Consists of items 4 thru 16)
2	4311869	1	1	CAPSCREW, drilled-hd., 1/2"NC x 1-1/4"
3	4509035	1	1	WIRE, locking, #18 x 10"
	904208	1	1	LOCKWASHER, 1/2"
4	4660408	1	1	GEAR, pump driving
	917466	1	1	PIN, roll, 3/16" x 1-1/8"
5	4346327	2	2	BUSHING, pump body
6	4346125	1	1	BODY ASSEMBLY (Includes items 5 and 7)
7	4660409	1	1	SHAFT, stub
8	4347893	1	1	SHAFT, drive
	905122	2	2	KEY, #7 woodruff, 1/8" x 3/4"
9	4660412	1	1	BUSHING, pumping gear
10	4660410	1	1	GEAR ASSEMBLY, pumping (Includes item 9)
11	4251141	2	2	RING, snap, drive shaft
12	4660407	1	1	GEAR, pumping (keywayed)
13	4335000	1	1	COVER, pump body
14	{ 910899	5	-	CAPSCREW, 1/4"NC x 2"
	{ 4335167	-	5	CAPSCREW, drilled-hd., 1/4"NC x 2"
15	{ 913299	1	-	CAPSCREW, 1/4"NC x 2-1/4"
	{ 4335168	-	1	CAPSCREW, drilled-hd., 1/4"NC x 2-1/4"
	{ 904204	6	6	LOCKWASHER, 1/4"
16	4348691	-	3	WIRE, locking, #18 x 6"
17	4347578	1	1	BRACKET, suction pipe bracing, left
18	{ 916308	1	-	CAPSCREW, 1/2"NC x 7/8"
	{ 4375812	-	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	{ 904208	1	1	LOCKWASHER, 1/2"
19	4348691	-	1	WIRE, locking, #18 x 6"
20	4347577	1	1	BRACKET, suction pipe bracing, right
21	{ 916308	1	-	CAPSCREW, 1/2"NC x 7/8"
	{ 4375812	-	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	{ 904208	1	1	LOCKWASHER, 1/2"
22	4348691	-	1	WIRE, locking, #18 x 6"
23	{ 916274	1	-	CAPSCREW, suction pipe to brace (3/8"NC x 2-1/4")
	{ 900817	1	-	WASHER, plain, U.S. std., 3/8"
	{ 904206	1	-	LOCKWASHER, 3/8"
	{ 910324	1	-	NUT, 3/8"NC
	{ 4335153	-	1	CAPSCREW, suction pipe to brace (drilled-end)
	{ 912597	-	1	WASHER, plain
	{ 904206	-	1	LOCKWASHER, 3/8"
	{ 914773	-	1	NUT, slotted, 3/8"NC
	{ 900802	-	1	PIN, cotter, 3/32" x 1"

(Continued)



PRESSURE OIL PUMP.

SCAVENGING OIL PUMP (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
24	4347575	1	1	COVER, side, pump body
25	916271	2	-	CAPSCREW, 3/8"NC x 1"
	4365867	-	2	CAPSCREW, drilled-hd., 3/8"NC x 1"
	904206	2	2	LOCKWASHER, 3/8"
26	4509035	-	1	WIRE, locking, #18 x 10"
27	4362458	1	1	□GASKET, pump body side cover
28	4346441	1	1	□GASKET, scavenging pump suction pipe
29	-----	1	-	PIPE, suction, scavenging pump (Order items 32 thru 40)
	916274	1	-	CAPSCREW, 3/8"NC x 2-1/4"
	919225	1	-	CAPSCREW, 3/8"NC x 1-3/8"
	904206	2	-	LOCKWASHER, 3/8"
30	4500270	1	-	SCREEN, oil
31	4335110	1	-	WIRE, oil screen retaining (1/16" x 18")
32	4335048	-	1	PIPE, suction
33	4349382	-	1	CAPSCREW, drilled-hd., 3/8"NC x 2-1/4"
34	4335264	-	1	CAPSCREW, drilled-hd., 3/8"NC x 1-3/8"
	904206	-	2	LOCKWASHER, 3/8"
35	4509035	-	1	WIRE, locking, #18 x 10"
36	4348684	-	1	COVER, oil screen
37	4374129	-	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
38	4509035	-	1	WIRE, locking, #18 x 10"
39	4348683	-	1	SCREEN, oil
40	4348682	-	1	RETAINER, oil screen

□Also see PACKAGED PARTS

PRESSURE OIL PUMP

* Engines prior to serial No. 10-4078

** Engines serial No. 10-4078 and up

1	{	4348886	1	1	PUMP ASSEMBLY (Consists of items 4 thru 18)(Used prior to engine #10-6779)
		4337059	-	1	PUMP ASSEMBLY (Consists of items 4 thru 18. Has hardened driving gear)(Effective with engine #10-6779)
2	{	916273	4	-	CAPSCREW, 3/8"NC x 1-3/4"
		4348692	-	4	CAPSCREW, drilled-hd., 3/8"NC x 1-3/4"
		904206	4	4	LOCKWASHER, 3/8"
3		4509035	-	2	WIRE, locking (#18 x 10")
4	{	4348352	1	1	GEAR, driving (Used prior to engine #10-6779)
		4337047	-	1	GEAR, driving (hardened)(Effective with engine #10-6779)

(Continued)

PRESSURE OIL PUMP (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
5	4348894	1	1	SHAFT, upper
	917673	1	1	PLUG, pipe, hex-socket, 1/8"NPT
	910224	2	2	KEY, #6 woodruff, 5/32" x 5/8"
	912840	1	1	NUT, slotted, 5/8"NF
	900807	1	1	PIN, cotter, 1/8" x 1-1/4"
6	4347659	1	1	BUSHING, pump cover
7	4348044	1	1	COVER ASSEMBLY (Includes item 6)
8	4875601	6	6	CAPSCREW, drilled-hd., 1/4"NC x 7/8"
	904204	6	6	LOCKWASHER, 1/4"
9	4348691	3	3	WIRE, locking (#18 x 6")
10	4348042	1	-	GEAR, upper (12 teeth)(Used prior to engine #10-3939)
	4348883	1	1	GEAR, upper (10 teeth)(Effective with engine #10-3939)
11	4348038	1	1	SHAFT, lower
	4348040	1	-	GEAR ASSEMBLY, lower (12 teeth. Includes item 13)(Used prior to engine #10-3939)
12	4348891	1	1	GEAR ASSEMBLY, lower (10 teeth. Includes item 13)(Effective with engine #10-3939)
13	4348083	1	1	BUSHING, lower gear
14	-----	1	-	HOUSING ASSEMBLY (Used prior to engine #10-3939. Order HOUSING ASSY. 4348885, GEAR 4348883 and GEAR ASSY. 4348881)
	4348885	1	1	HOUSING ASSEMBLY (Includes item 15 and dowel PINS indented below)(Effective with engine #10-3939)
	917554	1	1	PIN, dowel, 1/4" x 1/2"
	917546	2	2	PIN, dowel, 3/8" x 5/8"
15	4348303	1	1	BUSHING, pump housing
16	4348020	1	1	RETAINER, lower shaft
17	916284	1	-	CAPSCREW, 1/4"NC x 1/2"
	4349378	-	1	CAPSCREW, drilled-hd., 1/4"NC x 1/2"
	904204	1	1	LOCKWASHER, 1/4"
18	4348769	-	1	WIRE, locking (#18 x 4")
19	4354573	1	1	VALVE ASSEMBLY, pressure relief (Consists of items 20 thru 22)
20	-----	1	1	BODY, pressure relief valve
21	-----	1	1	PISTON, pressure relief valve
22	-----	1	1	SPRING, pressure relief valve (Used prior to engine #10-13097. Order item 19)
	4354568	-	1	SPRING, pressure relief valve (Effective with engine #10-13097)
	913168	-	1	WASHER, plain
	916001	-	1	PIN, roll, 3/16" x 1"
23	-----	1	-	WASHER, locking, relief valve cap
24	-----	1	-	CAP, relief valve

} Not serviced separately

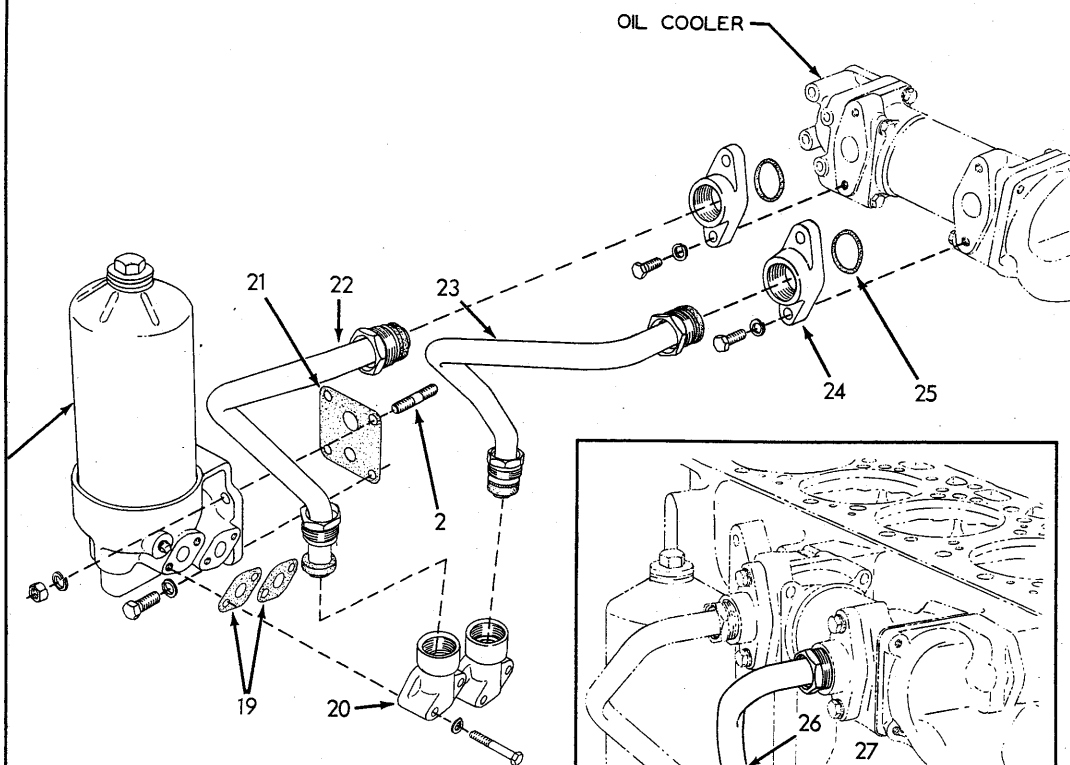
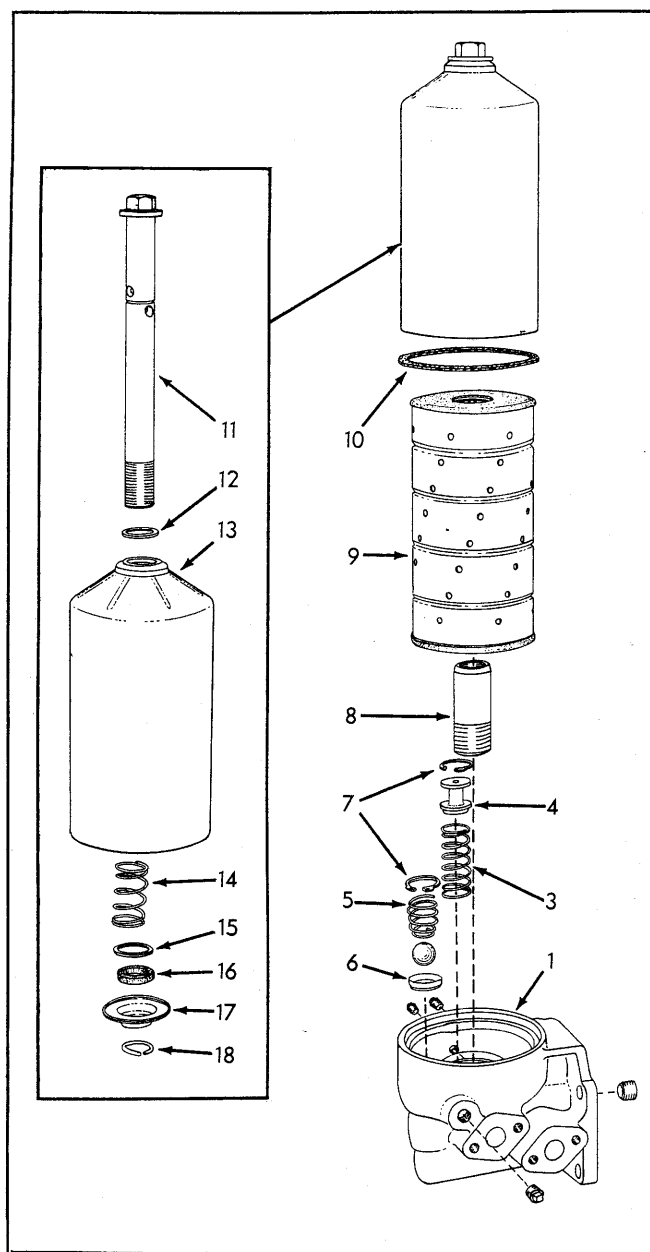
} Used prior to engine #10-13097. Order item 19

(Continued)

PRESSURE OIL PUMP (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
25	-----	1	-	LOCK, oil pressure relief valve (Used prior to engine #76808. Order item 26)
26	4347938	1	1	LOCK, oil pressure relief valve (Effective with engine #76808)
27	4348215	1	1	□GASKET, discharge pipe to pump
28	4335382	1	1	PIPE, pump discharge
29	{ 915813	2	-	CAPSCREW, 5/16"NC x 7/8"
	{ 4320227	-	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	{ 904205	2	2	LOCKWASHER, 5/16"
30	{ 916271	2	-	CAPSCREW, 3/8"NC x 1"
	{ 4346483	-	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
	{ 904206	2	2	LOCKWASHER, 3/8"
31	4509035	-	2	WIRE, locking (#18 x 10")
32	4346169	1	1	□GASKET, discharge pipe to crankcase
33	4347572	2	2	CLAMP, pipe supporting
34	{ 915408	2	-	CAPSCREW, 3/8"NC x 3/4"
	{ 4335152	-	2	CAPSCREW, drilled end, 3/8"NC x 3/4"
	{ 904206	2	2	LOCKWASHER, 3/8"
	{ 910324	2	-	NUT, 3/8"NC
	{ 914773	-	2	NUT, slotted, 3/8"NC
	{ 900802	-	2	PIN, cotter, 3/32" x 1"
35	4348218	1	1	□GASKET, suction pipe to pressure pump
36	4335384	1	1	PIPE, suction, front section
37	{ 917135	2	-	CAPSCREW, 5/16"NC x 1-5/8"
	{ 4349375	-	2	CAPSCREW, drilled-hd., 5/16"NC x 1-5/8"
38	{ 903774	2	-	CAPSCREW, 5/16"NC x 2"
	{ 4349383	-	2	CAPSCREW, drilled-hd., 5/16"NC x 2"
	904205	4	4	LOCKWASHER, 5/16"
39	4509035	-	2	WIRE, locking (#18 x 10")
40	4348215	1	1	□GASKET, front suction pipe to scavenging pump
41	4346441	1	1	□GASKET, rear suction pipe to scavenging pump
42	4335096	1	-	PIPE, suction, rear section
	919224	2	-	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	-	LOCKWASHER, 3/8"
43	4500270	1	-	SCREEN, oil
44	4335110	1	-	WIRE, oil screen retaining (1/16" x 18")
45	4335050	-	1	PIPE, suction, rear section
46	4304980	-	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	904206	-	2	LOCKWASHER, 3/8"
47	4348689	-	1	WIRE, locking (#18 x 13")
48	4389732	-	1	COVER, oil screen
49	4374129	-	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
50	4509035	-	1	WIRE, locking (#18 x 10")
51	4374127	-	1	SCREEN, oil
52	4376294	-	1	RETAINER, oil screen

□Also see PACKAGED PARTS



SPECIAL PARTS USED ONLY WITH
REPLACEMENT CYLINDER BLOCK

OIL FILTER (First type)

OIL FILTER

USAGE: Model HD11G. Engines prior to serial No. 10-4030 only

ITEM	PART NO.	QTY.	DESCRIPTION
1	4349133	1	BASE ASSEMBLY (Includes items 3 thru 8; also PLUGS and BALL indented below)
	901651	2	PLUG, pipe, 1/8"NPT
	901652	1	PLUG, pipe, 1/4"NPT
	904223	1	PLUG, pipe, ctsk-hd., 1/2"NPT
	917015	1	BALL, steel, 7/8" diam.
	919230	2	CAPSCREW, 1/2"NC x 1-3/8"
2	4305073	2	STUD, (1/2"NC x 1/2"NF x 1-3/4")
	904208	4	LOCKWASHER, 1/2"
	910195	2	NUT, 1/2"NF
3	4348087	1	SPRING, by-pass valve
4	4348086	1	VALVE, by-pass
5	4347190	1	SPRING, check valve
6	4348580	1	INSERT, check valve seat
7	4253766	2	RING, snap, valve retaining
8	4371443	1	ADAPTER, center bolt
9	4371021	1	ELEMENT KIT, oil filter (Includes item 10)
10	4372325	1	GASKET, oil filter body
11	4374735	1	BOLT, center
12	4041103	1	GASKET, filter center bolt
13	4371040	1	BODY, oil filter
14	4371036	1	SPRING, filter element
15	4348268	1	WASHER, filter element seal
16	4348270	1	SEAL, filter element
17	4348269	1	ADAPTER, filter element
18	4253195	1	RING, snap, filter center bolt
19	4347655	2	□GASKET, oil line elbow
20	4347654	2	FLANGE, oil line
	916274	4	CAPSCREW, 3/8"NC x 2-1/4"
	904206	4	LOCKWASHER, 3/8"
21	4347554	1	□GASKET, filter to crankcase
22	4347661	1	LINE ASSEMBLY, filter to cooler (Includes nuts and sealing RING 918253)
	918253	2	RING, Sealastic, 7/8" tube (rubber)

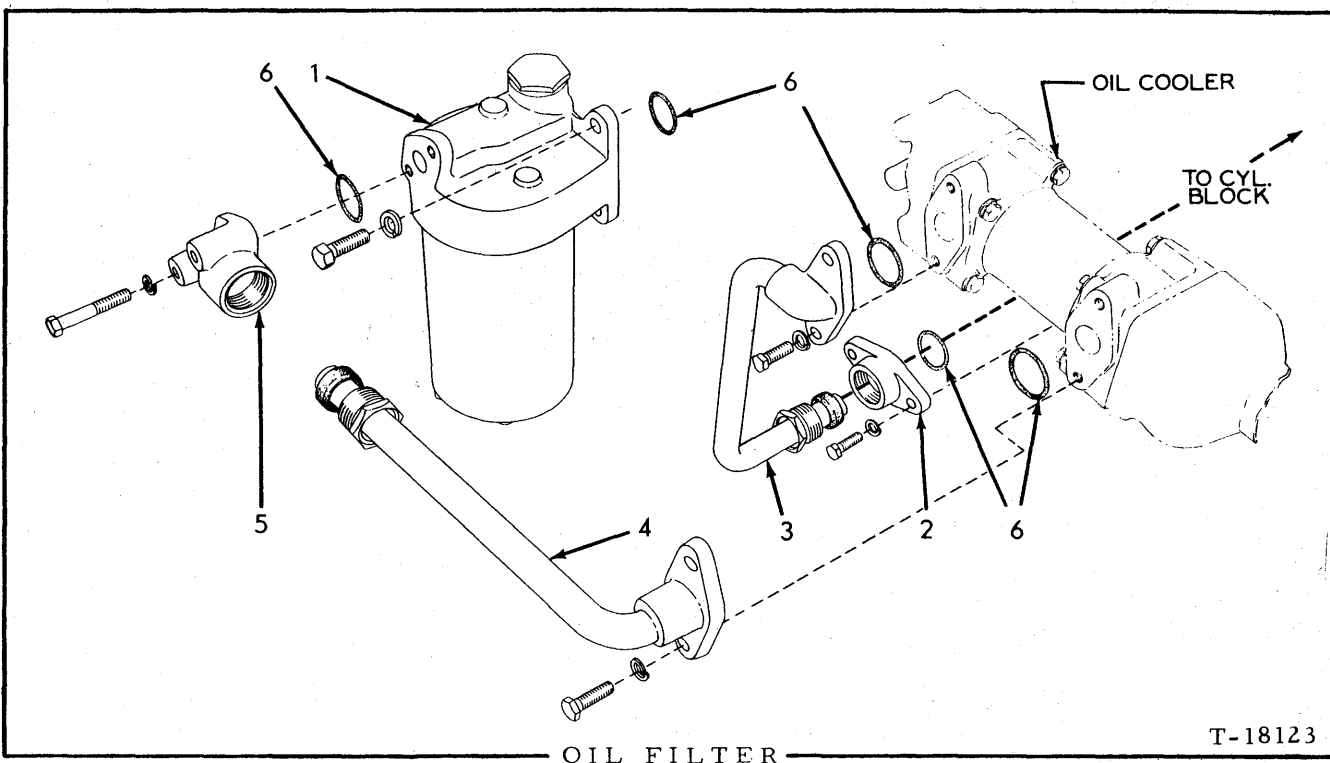
□Also see PACKAGED PARTS

(Continued)

OIL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	4347663	1	LINE ASSEMBLY, cooler to filter (Includes nuts and sealing RING 918253)
	918253	2	RING, Sealastic, 7/8" tube (rubber)
24	4348279	2	FLANGE, oil cooler
	919224	4	CAPSCREW, 3/8"NC x 1-1/8"
	904206	4	LOCKWASHER, 3/8"
25	4253106	2	□O-RING, sealing, oil cooler flange
<u>NOTE:</u> Following items were not used as original equipment and are required only when replacement cylinder block is installed.			
26	4336574	1	LINE ASSEMBLY, oil cooler to block (Includes NUT and RING indented below)
	917741	1	NUT, Sealastic, 7/8" tube
	918327	1	RING, Sealastic, 7/8" tube (Includes ferrule)
	919224	2	CAPSCREW 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
27	4253106	1	□O-RING, oil cooler return line
28	4034292	1	PLATE, cover, oil filter base
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"

□Also see PACKAGED PARTS

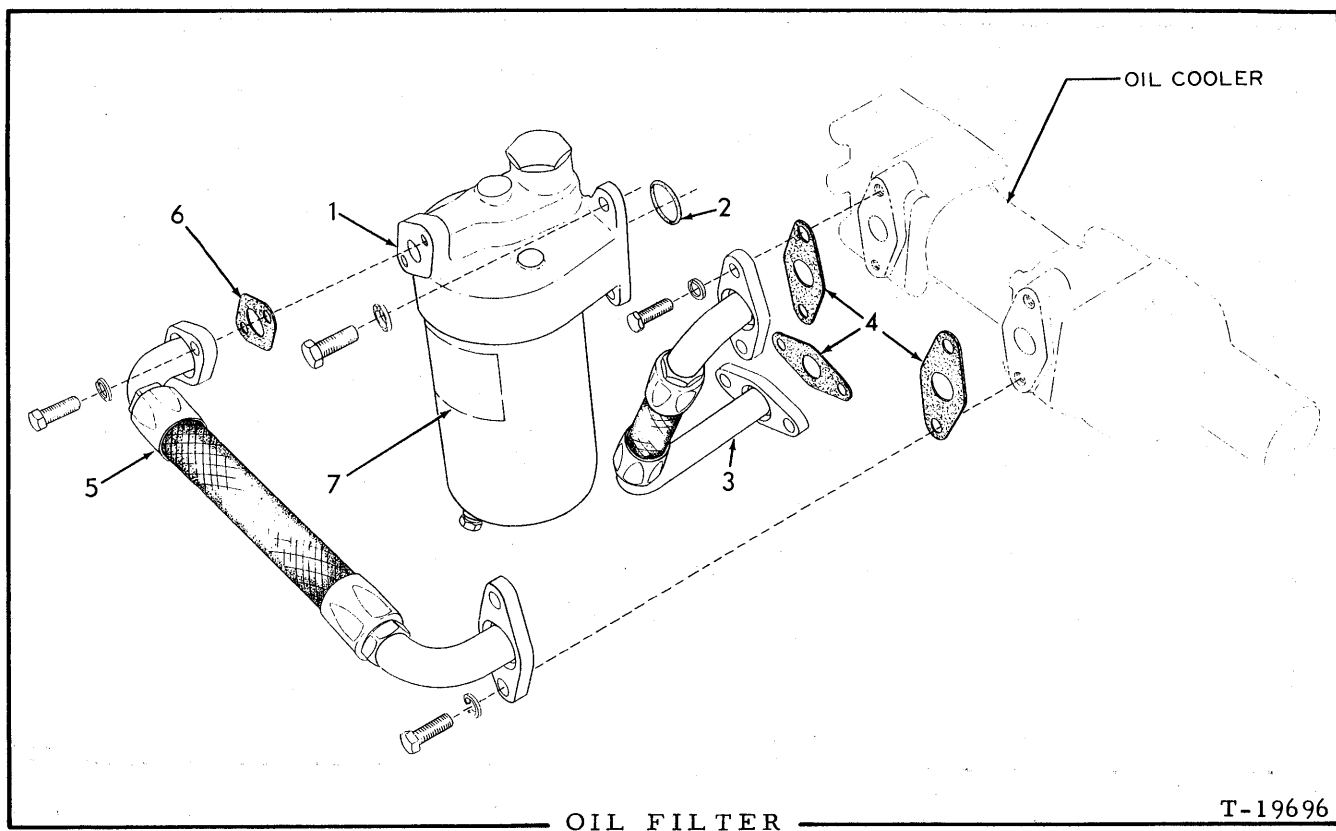


USAGE: Model HD11G. Engines serial No.10-4030 thru 10-4331 only

ITEM PART NO. QTY. DESCRIPTION

1	4335338	1	FILTER ASSEMBLY (See page 53 for parts)
	919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
2	4348279	1	FLANGE, crankcase oil line
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
3	4335331	1	LINE ASSEMBLY, oil cooler to crankcase (Includes NUT and RING indented below)
	917741	1	NUT, male, Sealastic, 7/8" tube
	918327	1	RING, Sealastic, 7/8" tube (Includes ferrule)
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
4	4335323	1	LINE ASSEMBLY, oil filter to cooler (Includes NUT and RING indented below)
	917741	1	NUT, male, Sealastic, 7/8" tube
	918327	1	RING, Sealastic, 7/8" tube (Includes ferrule)
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
5	4335334	1	FLANGE, oil line connection
	912069	2	CAPSCREW, 3/8"NC x 2-1/2"
	904206	2	LOCKWASHER, 3/8"
6	4253106	5	□ O-RING, oil lines

□ Also see PACKAGED PARTS

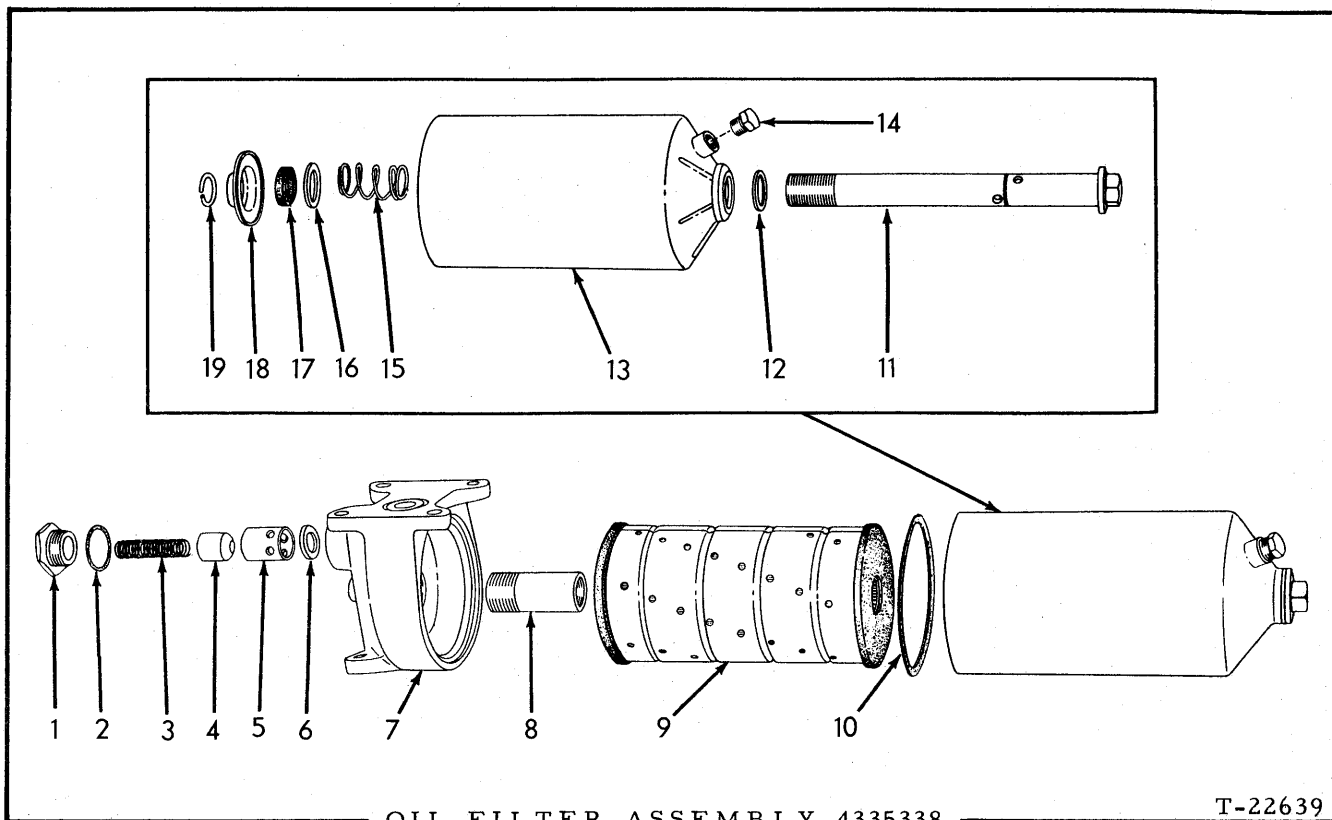


USAGE: Model HD11GC; also Model HD11G effective with engine serial No. 10-4332

ITEM PART NO. QTY. DESCRIPTION

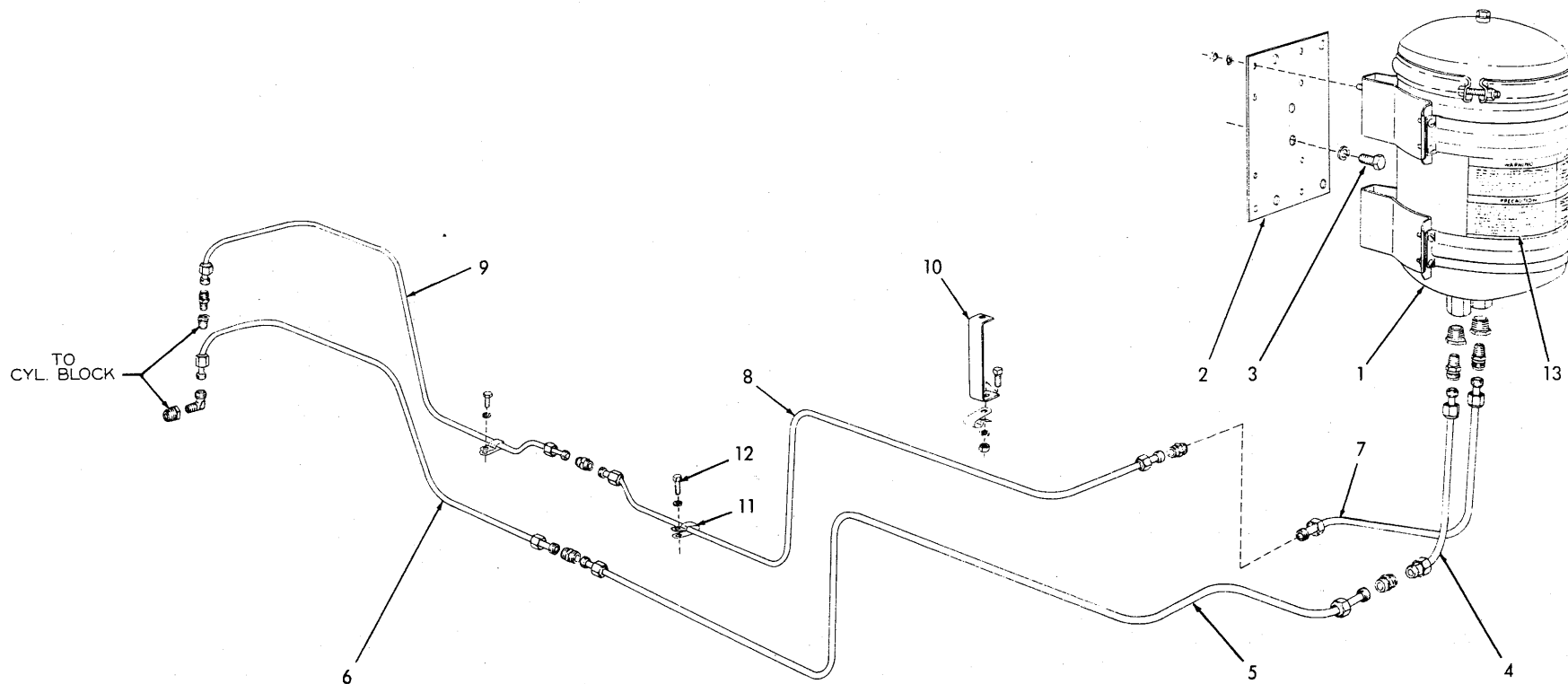
1	4335338	1	FILTER ASSEMBLY (See page 53 for parts)
	919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
2	4253106	1	□O-RING, filter to cylinder block
3	4337532	1	HOSE ASSEMBLY, oil cooler to crankcase (See page 6 for parts)
	919224	4	CAPSCREW, 3/8"NC x 1-1/8"
	904206	4	LOCKWASHER, 3/8"
4	4335577	3	□GASKET, oil hose
5	4335567	1	HOSE ASSEMBLY, oil filter to cooler (See page 6 for parts)
	919224	4	CAPSCREW, 3/8"NC x 1-1/8"
	904206	4	LOCKWASHER, 3/8"
6	4335578	1	□GASKET, hose to filter
7	-----	1	TRANSFER (See PAINTING AND MARKING)

□Also see PACKAGED PARTS



USAGE: See pages 51 and 52

ITEM	PART NO.	QTY.	DESCRIPTION
1	4373610	1	CAP, by-pass valve
2	4253751	1	GASKET, by-pass valve cap
3	4335666	1	SPRING, by-pass valve
4	4373613	1	PISTON, by-pass valve
5	4373612	1	SLEEVE, by-pass valve piston
6	4373614	1	SEAT, by-pass valve piston
7	4335339	1	HEAD ASSEMBLY (Includes items 1 thru 6)
8	4371443	1	ADAPTER, center bolt
9	4371021	1	ELEMENT KIT, oil filter (Includes item 10)
10	4372325	1	GASKET, oil filter body
11	4374735	1	BOLT, center
12	4041103	1	GASKET, filter center bolt
13	4335352	1	BODY, oil filter
14	918951	1	PLUG, pipe, hex-hd., 3/8"NPT
15	4371036	1	SPRING, filter element
16	4348268	1	WASHER, filter element seal
17	4348270	1	SEAL, filter element
18	4348269	1	ADAPTER, filter element
19	4253195	1	RING, snap, filter center bolt

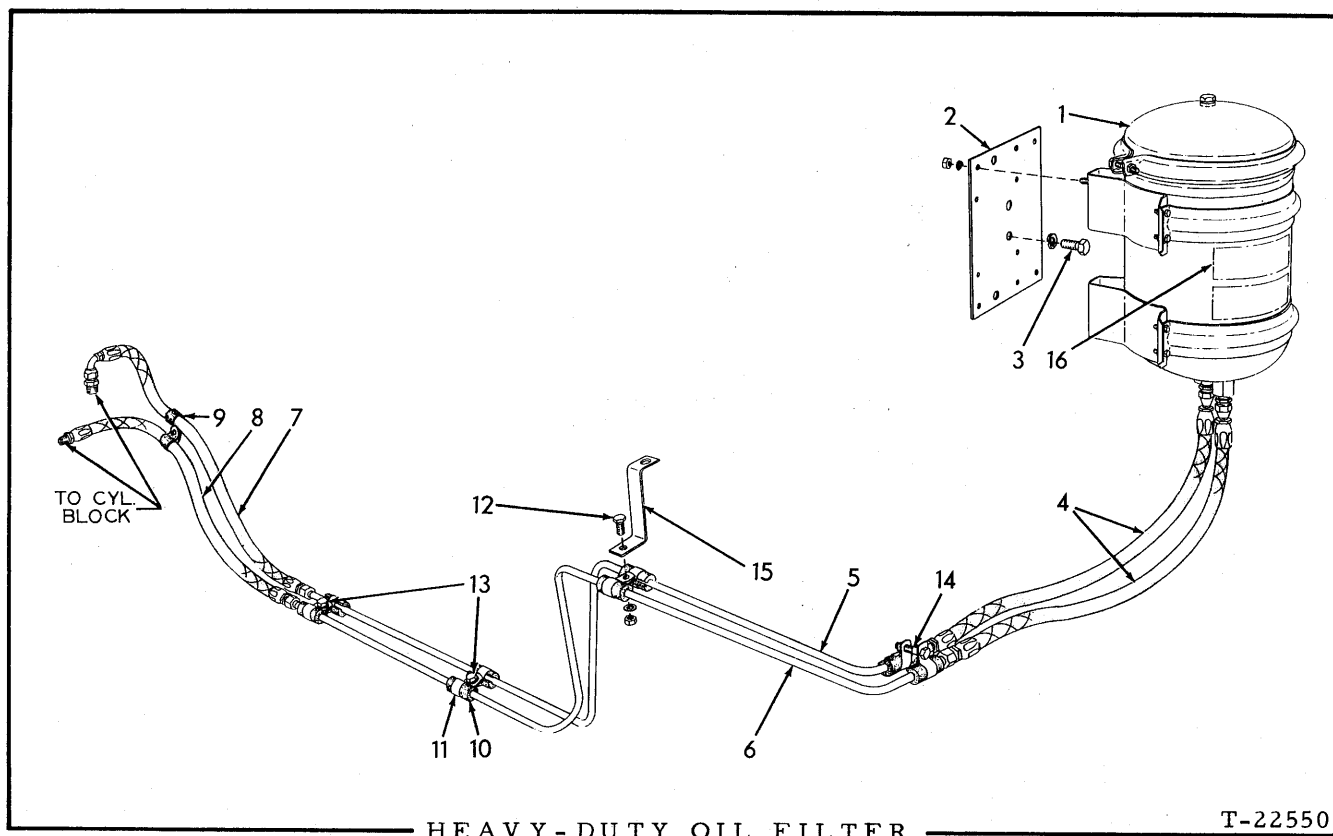


HEAVY-DUTY OIL FILTER (First type)

HEAVY-DUTY OIL FILTER

USAGE: Special Equipment. Supplement standard oil filter on tractors prior to serial No. 4415

ITEM	PART NO.	QTY.	DESCRIPTION
1	082442	1	FILTER ASSEMBLY. lubricating oil (See page 58 for parts)
	910167	8	CAPSCREW, 5/16"NF x 3/4"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16"NF
2	086890	1	BRACKET, filter mounting
3	035525	4	CAPSCREW, 1/2"NF x 1-1/8"
	904208	4	LOCKWASHER, 1/2"
4	087031	1	TUBE, oil supply, rear section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	901839	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	915386	1	UNION, Sealastic, 3/8" tube
5	087050	1	TUBE, oil supply, center section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
6	087030	1	TUBE, oil supply, front section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915386	1	UNION, Sealastic, 3/8" tube
	915369	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	901839	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
7	087032	1	TUBE, oil return, rear section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	901839	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	915386	1	UNION, Sealastic, 3/8" tube
8	087058	1	TUBE, oil return, center section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
9	086980	1	TUBE, oil return, front section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915386	1	UNION, Sealastic, 3/8" tube
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
10	087051	1	BRACKET, tube supporting
11	055676	4	CLIP, tube supporting (for two 3/8" diam. tubes, 13/32" bolt-hole)
12	036032	4	CAPSCREW, 3/8"NF x 3/4"
	904206	4	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
13	-----	-	TRANSFER, warning (See PAINTING AND MARKING)



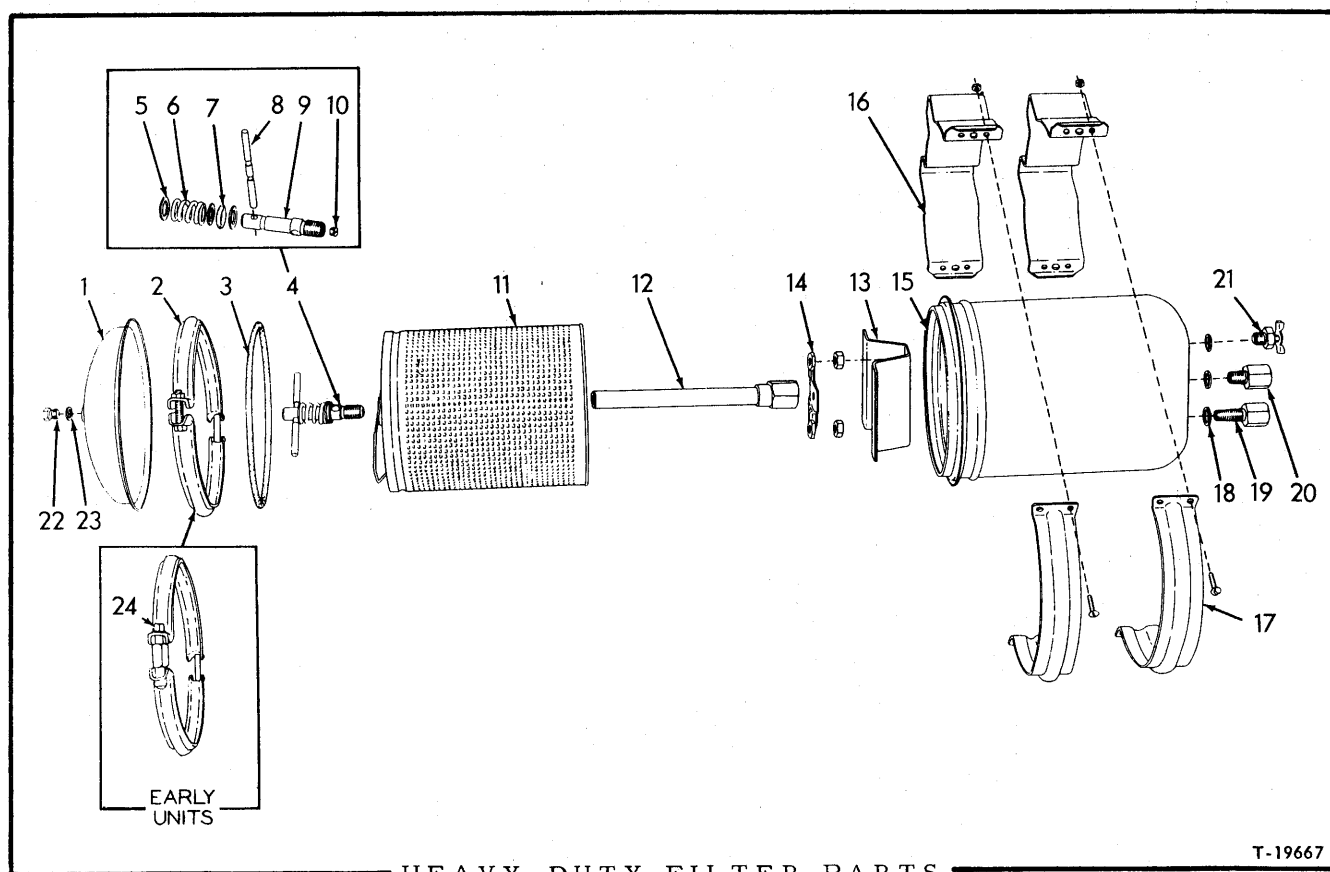
USAGE: Special equipment. Supplements standard oil filter effective with tractor serial No. 4415

ITEM	PART NO.	QTY.	DESCRIPTION
1	082442	1	FILTER ASSEMBLY, lubricating oil (See page 58 for parts)
	910167	8	CAPSCREW, 5/16"NF x 3/4"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16"NF
2	086890	1	BRACKET, filter mounting
3	035525	4	CAPSCREW, 1/2"NF x 1-1/8"
	904208	4	LOCKWASHER, 1/2"
4	094095	2	HOSE ASSEMBLY, rear (See page 6 for parts)
	919127	2	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
5	094724	1	TUBE ASSEMBLY, oil return (Includes nuts)
6	094870	1	TUBE ASSEMBLY, oil supply (Includes nuts)
7	094533	1	HOSE ASSEMBLY, oil return, front (See page 6 for parts)
	919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
8	096064	1	HOSE ASSEMBLY, oil supply, front (See page 6 for parts)
9	094422	2	CLIP, front hose supporting (5/8" diam.)(Used prior to tractor #8941)
	621304	2	CLIP, front hose supporting (3/4" diam.)(Effective with tractor #8941)

(Continued)

HEAVY-DUTY OIL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	093751	8	BOOT, tube protecting (rubber)
11	055234	8	CLIP, tube supporting
12	036032	1	CAPSCREW, 3/8"NF x 3/4"
13	035244	2	CAPSCREW, 3/8"NC x 3/4"
14	203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	904206	4	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
15	094863	1	BRACKET, tube supporting
16	-----	-	TRANSFER, warning (See PAINTING AND MARKING)



HEAVY-DUTY FILTER PARTS

T-19667

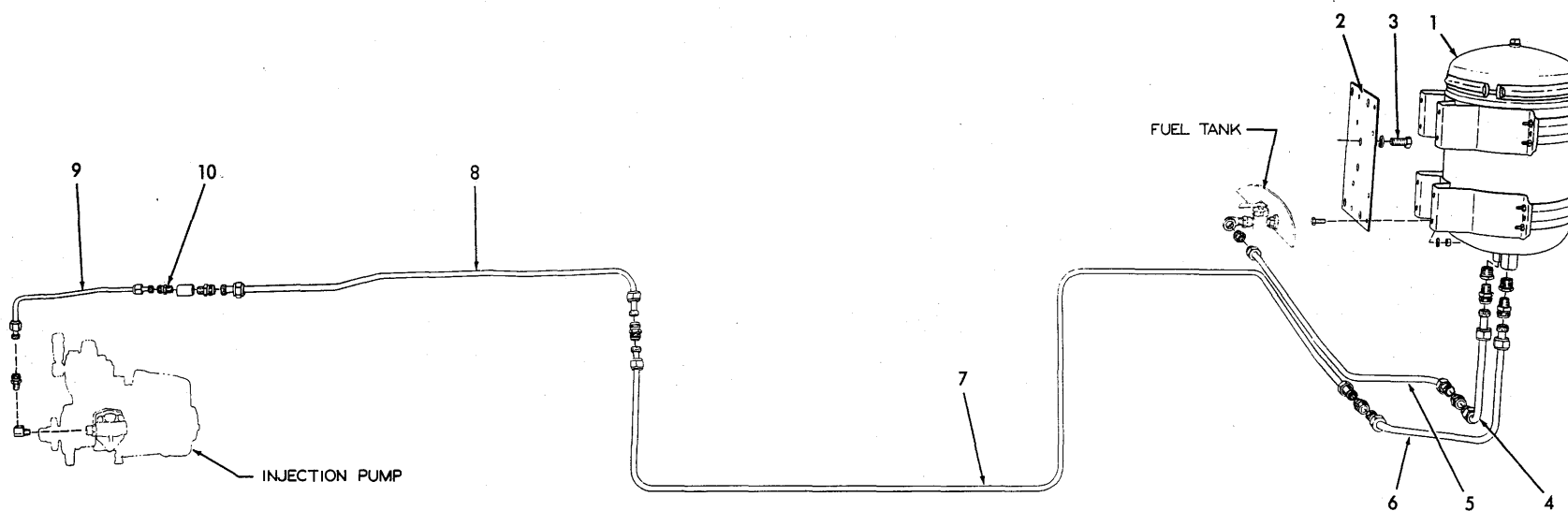
* 082441 FILTER ASSEMBLY, fuel (See pages 61 and 62)
 ** 082442 FILTER ASSEMBLY, oil (See pages 55 and 56)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	082505	1	1	COVER
2	630540	1	1	RING ASSEMBLY, cover retaining
3	082449	1	1	GASKET, cover
4	082492	1	-	HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 9)
	082493	-	1	HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 10)
5	082489	3	3	WASHER, element hold-down
6	082490	1	1	SPRING, element hold-down
7	082487	1	1	SEAL, element hold-down
8	082488	1	1	HANDLE, element hold-down
9	-----	1	1	STUD, element hold-down (Not serviced separately)
10	082491	-	1	PLUG, orifice, element hold-down
11	091540	1	1	ELEMENT, filtering (Original equipment)
	637957	1	1	ELEMENT, filtering (Optional)

(Continued)

HEAVY-DUTY FILTER PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
12	076668	1	1	TUBE ASSEMBLY, outlet (Includes nut)
13	096816	1	1	SUPPORT, filter element
	911049	2	2	NUT, jam, 5/8"NF
14	096815	1	1	RETAINER, element support nut
15	-----	1	1	HOUSING (Not serviced separately)
16	082444	2	2	BRACKET, mounting
17	082443	2	2	BAND, mounting bracket
	900576	8	8	SCREW, machine, 1/4"NC x 3/4"
	911024	8	8	NUT, 1/4"NC
18	063891	3	3	GASKET
19	{ 063890	-	1	VALVE ASSEMBLY, inlet check (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)
	{ 063889	1	-	BOLT, hollow
20	{ 080758	-	1	VALVE ASSEMBLY, outlet check (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)
	{ 063889	1	-	BOLT, hollow
21	094167	1	1	COCK, drain
22	084897	1	1	PLUG, venting
23	084899	1	1	WASHER, venting plug
24	098038	1	1	BOLT ASSEMBLY, cover retaining ring (Includes nuts)(Early units only)

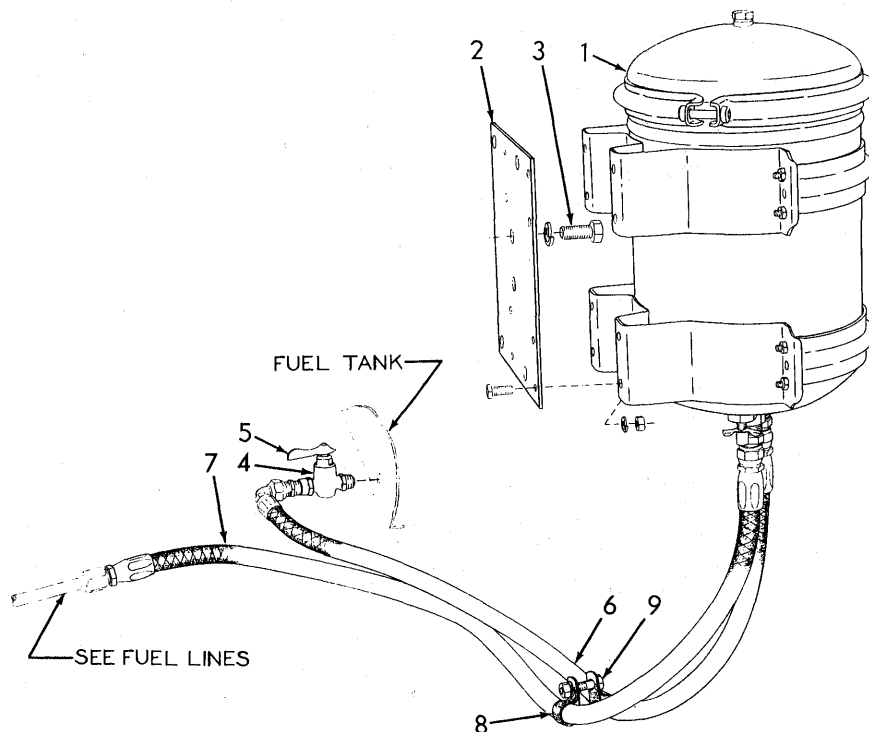


HEAVY-DUTY FUEL FILTER (First type)

HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Replaces standard first stage fuel filter on tractors prior to serial No. 4415.

ITEM	PART NO.	QTY.	DESCRIPTION
1	082441	1	FILTER ASSEMBLY, fuel (See page 58 for parts)
	910167	8	CAPSCREW, 5/16"NF x 3/4"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16"NF
2	086890	1	BRACKET, filter mounting
3	035525	4	CAPSCREW, 1/2"NF x 1-1/8"
	904208	4	LOCKWASHER, 1/2"
4	087053	1	TUBE, tank to filter, left section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915379	1	UNION, Sealastic, 1/2" tube
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT
	904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
5	086981	1	TUBE, fuel tank to filter, right section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
6	087049	1	TUBE, filter to pump, rear section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT
7	087069	1	TUBE, filter to pump, intermediate rear section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915379	2	UNION, Sealastic, 1/2" tube
8	087871	1	TUBE, filter to pump, intermediate front section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
	901765	1	COUPLING, pipe, 3/8"NPT
9	4347905	1	LINE, filter to pump, front section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	915488	1	ELBOW, street, brass, 90°, 1/4"NPT
10	4254097	1	CONNECTOR, Sealastic, 3/8" tube, 3/8"NPT male

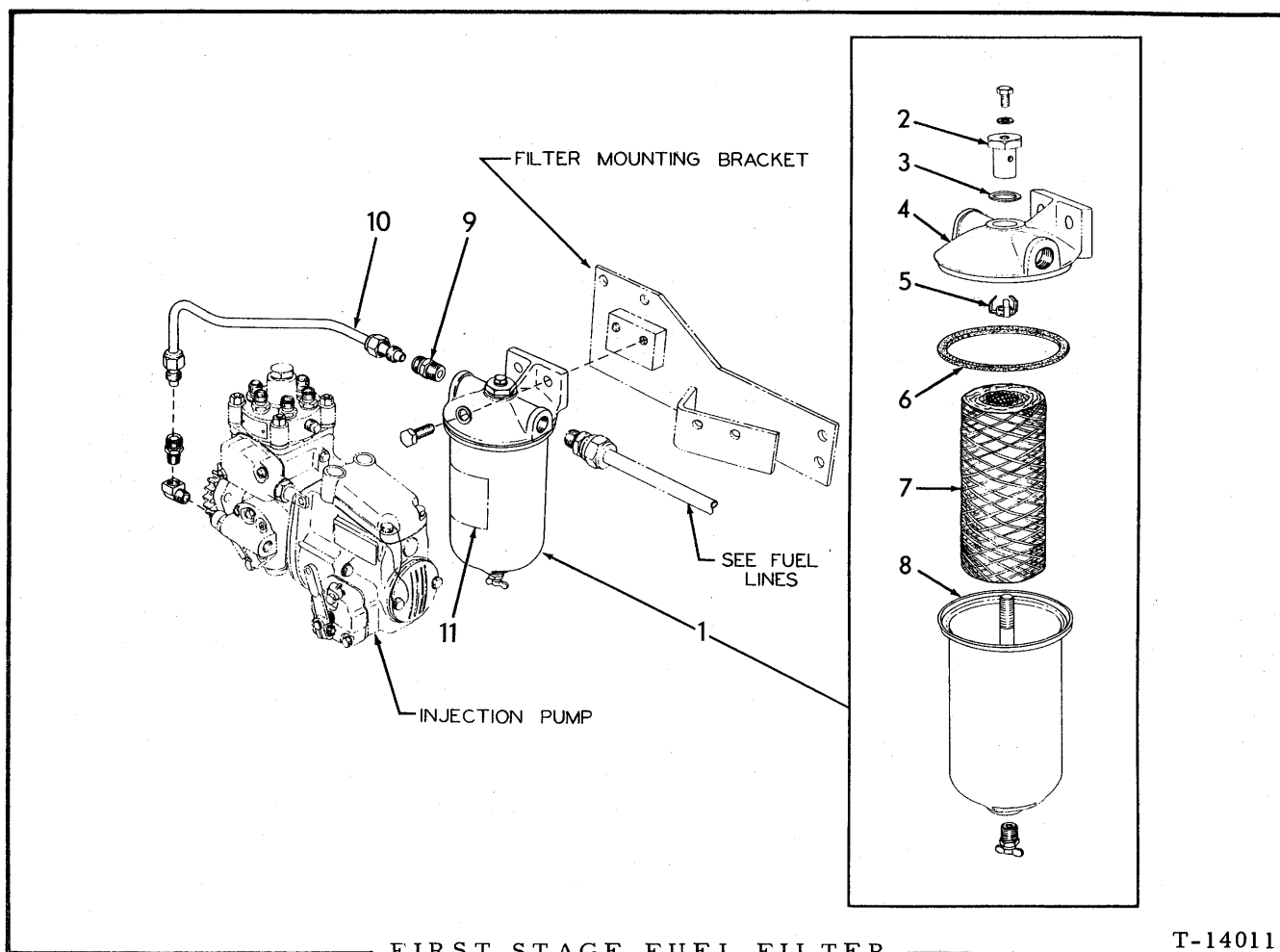


HEAVY-DUTY FUEL FILTER

T-22553

USAGE: Special equipment effective with tractor serial No. 4415. Requires removal of first stage filter element.

ITEM	PART NO.	QTY.	DESCRIPTION
1	082441	1	FILTER ASSEMBLY, fuel (See page 58 for parts)
	910167	8	CAPSCREW, 5/16"NF x 3/4"
	904205	8	LOCKWASHER, 5/16"
	913636	8	NUT, 5/16"NF
2	086890	1	BRACKET, filter mounting
3	035525	4	CAPSCREW, 1/2"NF x 1-1/8" (Early units)
	035220	4	CAPSCREW, 1/2"NC x 1-1/8" (Late units)
	904208	4	LOCKWASHER, 1/2"
4	092727	1	COCK, fuel shut-off (Includes item 5)
5	082189	1	HANDLE, fuel shut-off cock
6	094602	1	HOSE ASSEMBLY, tank to filter (See page 6 for parts)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
	919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
7	094456	1	HOSE ASSEMBLY, filter to fuel tube (See page 6 for parts)
	919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
8	621304	2	CLIP, hose supporting
9	203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF

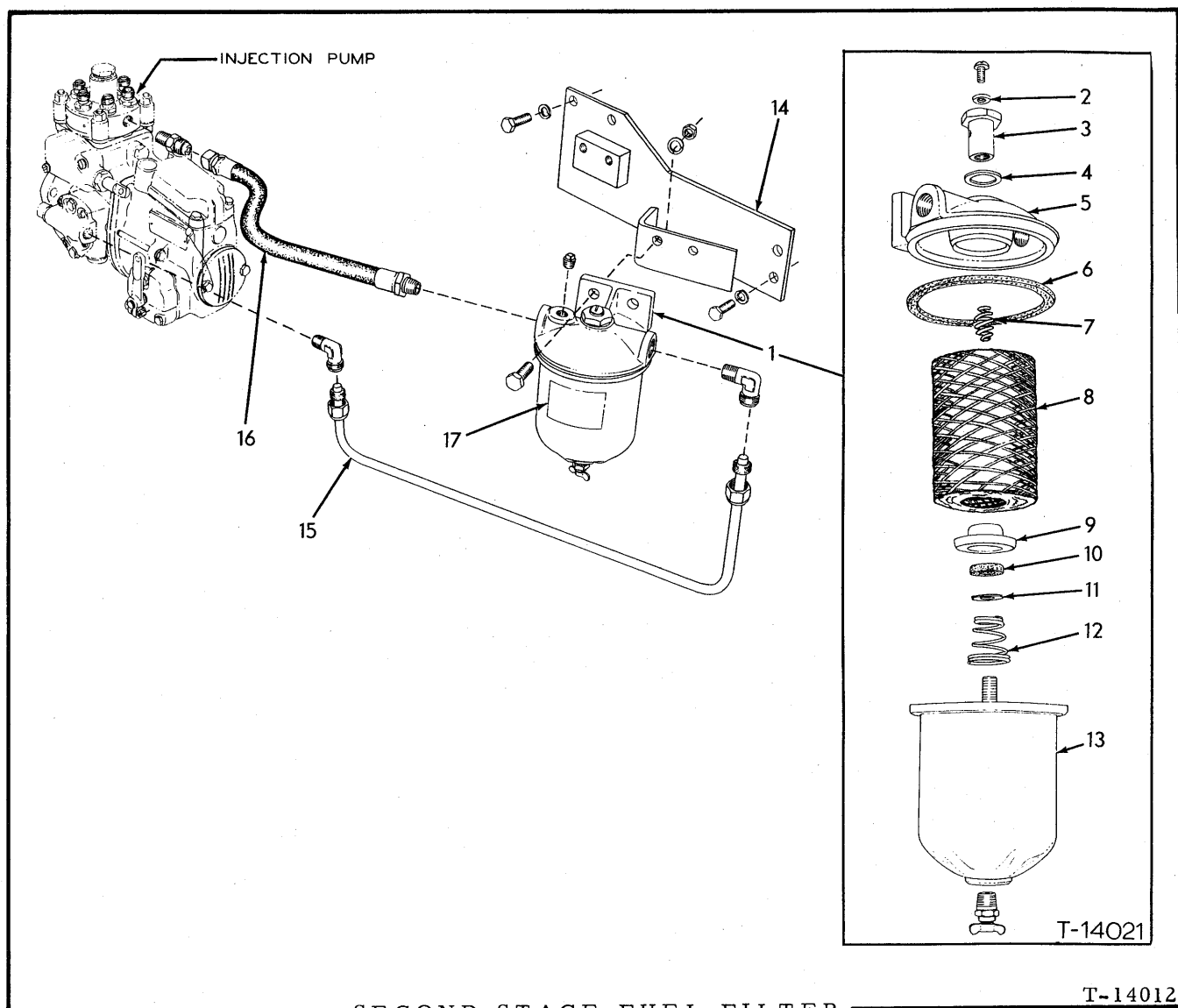


FIRST STAGE FUEL FILTER

T-14011

USAGE: Standard equipment on tractors prior to serial No. 4415. Not used on tractors equipped with Heavy-duty Fuel Filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	4347786	1	FILTER ASSEMBLY, fuel (Consists of items 2 thru 8)
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
2	4051483	1	NUT, shell retaining
	919288	1	CAPSCREW, 1/4"NC x 3/8"
	914686	1	WASHER, plain, copper, 1/4" I. D.
3	4051484	1	GASKET, shell retaining nut
4	4347790	1	HEAD, filter
5	4051485	1	GUIDE, element centering
6	4040013	1	GASKET, filter shell
7	4055563	1	ELEMENT ASSEMBLY, filter (Includes item 6)
8	4354416	1	SHELL ASSEMBLY, filter (Includes items 2, 3, 5 and 7)
	912415	1	COCK, drain, 1/4"NPT
9	4254097	1	CONNECTOR, fuel line (Sealastic, 3/8" tube, 3/8"NPT male)
10	4347905	1	LINE, filter to injection pump
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	914588	1	ELBOW, street, brass, 90°, 1/4"NPT
11	-----	-	TRANSFER (See PAINTING AND MARKING)



SECOND STAGE FUEL FILTER

USAGE: Tractors prior to serial No. 4415

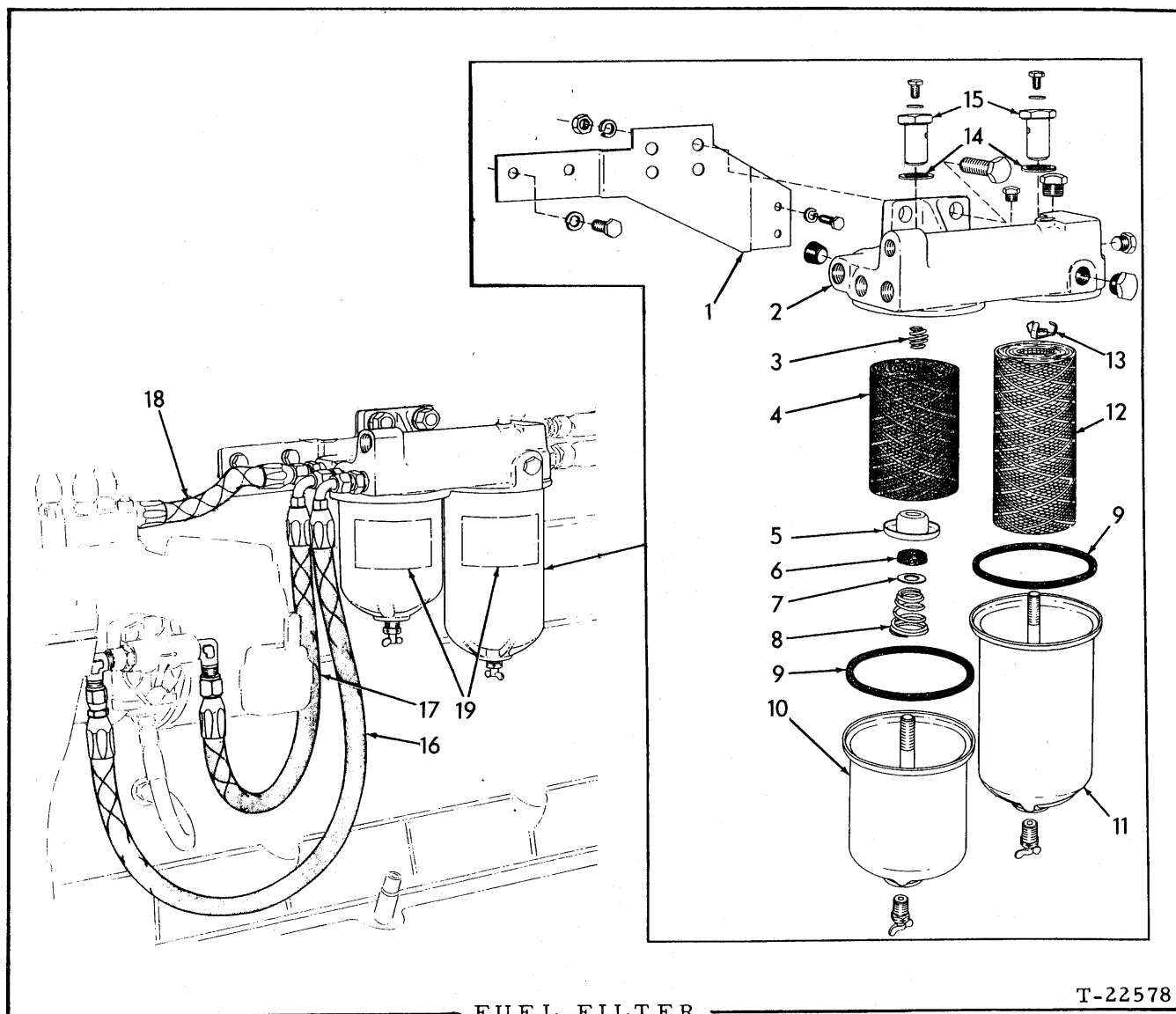
ITEM PART NO. QTY. DESCRIPTION

1	4349146	1	FILTER ASSEMBLY, fuel (Includes items 2 thru 13)
	901652	1	PLUG, pipe, 1/4"NPT
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
	910324	2	NUT, 3/8"NC
2	065577	1	GASKET, bleeding screw
3	4051483	1	NUT, shell retaining
	915432	1	SCREW, machine, 1/4"NC x 5/16"
4	4051484	1	GASKET, shell retaining nut
5	4347790	1	HEAD, filter (3/8"NPT connections)(Used prior to engine #91856)
	4349147	1	HEAD, filter (1/4"NPT connections)(Effective with engine #91856)

(Continued)

SECOND STAGE FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	4040013	1	GASKET, shell
7	4055913	1	GUIDE, element centering
8	4056633	1	ELEMENT KIT, (Includes items 6, 10 and 11)
9	4052173	1	PLATE, element seating
10	-----	1	GASKET, element seating plate (Furnished only as part of item 8)
11	-----	1	WASHER, seating plate gasket (Furnished only as part of item 8)
12	4052174	1	SPRING, element
13	065582	1	SHELL, filter
	912415	1	COCK, drain, 1/4"NPT
14	4335235	1	BRACKET, filter mounting
	916269	2	CAPSCREW, 3/8"NC x 7/8"
	904206	2	LOCKWASHER, 3/8"
	915813	2	CAPSCREW, 5/16"NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
15	4347907	1	LINE, pump to filter
	918325	2	NUT, Sealastic, 3/8" tube (Includes swivel collar)
	915367	2	RING ASSEMBLY, Sealastic, 3/8" tube (Includes ferrule)
	915369	2	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT (Used prior to engine #91856)
16	-----	1	HOSE, filter to pump (12-1/4" long)(Used prior to engine #91856. Order HOSE 4504056)
	918598	1	TEE, pipe reducing, 1/4"NPT side, 1/4"NPT and 3/8"NPT ends
	916641	1	NIPPLE, pipe, 3/8"NPT x 1-1/2"
	4504056	1	HOSE, filter to pump (14" long)(Effective with engine #91856)
	912324	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
17	-----	-	TRANSFER (See PAINTING AND MARKING)



FUEL FILTER

T-22578

USAGE: Tractors serial No. 4415 and up

ITEM PART NO. QTY. DESCRIPTION

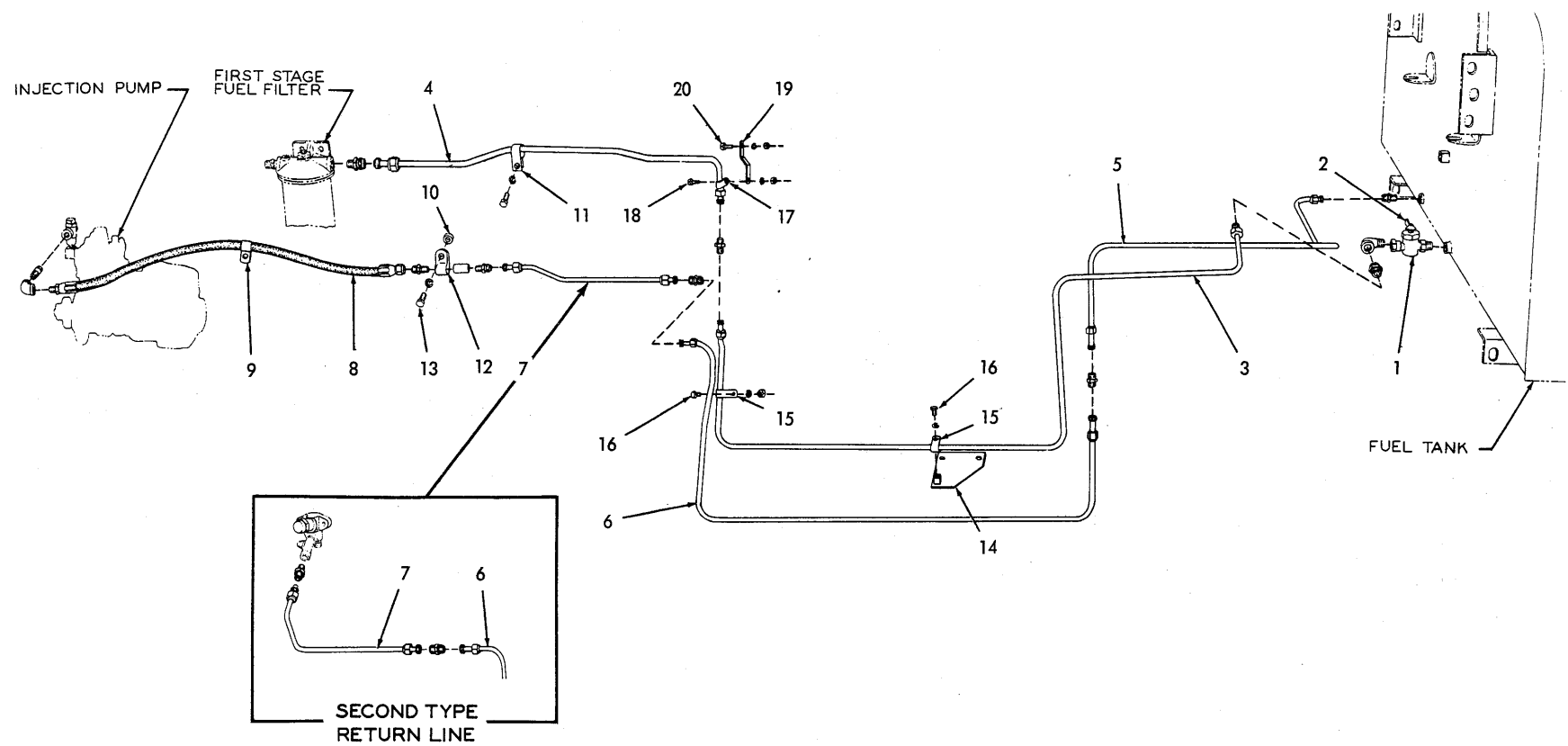
NOTE: Also see page 62 for supplementary Heavy-Duty Fuel Filter.

1	4336589	1	BRACKET, filter mounting
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"
	915813	2	CAPSCREW, 5/16"NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
2	4389051	1	HEAD ASSEMBLY (Includes PLUGS indented below)(If for engines prior to #10-11917 also order 2 NUTS 4389113 and 1 reducing BUSHING 901826)
	919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Engines prior to #10-11917)
	920333	3	PLUG, pipe, hex-hd., 3/8"NPT (1 less used on engines prior to #10-11917)
	918887	1	PLUG, hex-socket, 3/8"NPT
	919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	2	LOCKWASHER, 1/2"
	910325	2	NUT, 1/2"NC

(Continued)

FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	4055913	1	GUIDE, element centering, second stage filter
4	4056633	1	ELEMENT KIT, second stage filter (Includes items 6, 7 and 9)
5	4052173	1	PLATE, element seating, second stage filter
6	-----	1	GASKET, element seat plate (Furnished only as part of item 4)
7	-----	1	WASHER, seating plate gasket (Furnished only as part of item 4)
8	4052174	1	SPRING, second stage filter
9	4040013	2	GASKET, filter shell
10	065582	1	SHELL, second stage filter
	912415	1	COCK, drain, 1/4"NPT
11	4354416	1	SHELL ASSEMBLY, first stage filter (Includes items 12 thru 15)
	912415	1	COCK, drain, 1/4"NPT
12	4055563	1	ELEMENT ASSEMBLY, first stage filter (Includes item 9)(Not used when Heavy-Duty Fuel Filter is installed)
13	4051485	1	GUIDE, element centering, first stage filter
14	4051484	2	GASKET, shell retaining nut
15	4051483	2	NUT, shell retaining (1-3/16" long)(Engines prior to #10-11917)
	4389113	2	NUT, shell retaining (1-9/16" long)(Engines #10-11917 and up)
	919288	2	CAPSCREW, 1/4"NC x 3/8"
	914686	2	WASHER, plain, copper, 1/4" I. D.
16	4335898	1	HOSE ASSEMBLY, first stage filter to transfer pump (See page 6 for parts)
	919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
	4337251	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
17	4335935	1	HOSE ASSEMBLY, transfer pump to second stage filter (See page 6 for parts)
	919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male (Engines prior to #10-11917)
	919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male (Engines #10-11917 and up)
	4337251	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
18	4335897	1	HOSE ASSEMBLY, filter to injection pump (See page 6 for parts)
	919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
19	-----	2	TRANSFER (See PAINTING AND MARKING)



FUEL LINES (First type)

FUEL LINES

USAGE: Tractors prior to serial No. 4415.

ITEM PART NO. QTY. DESCRIPTION

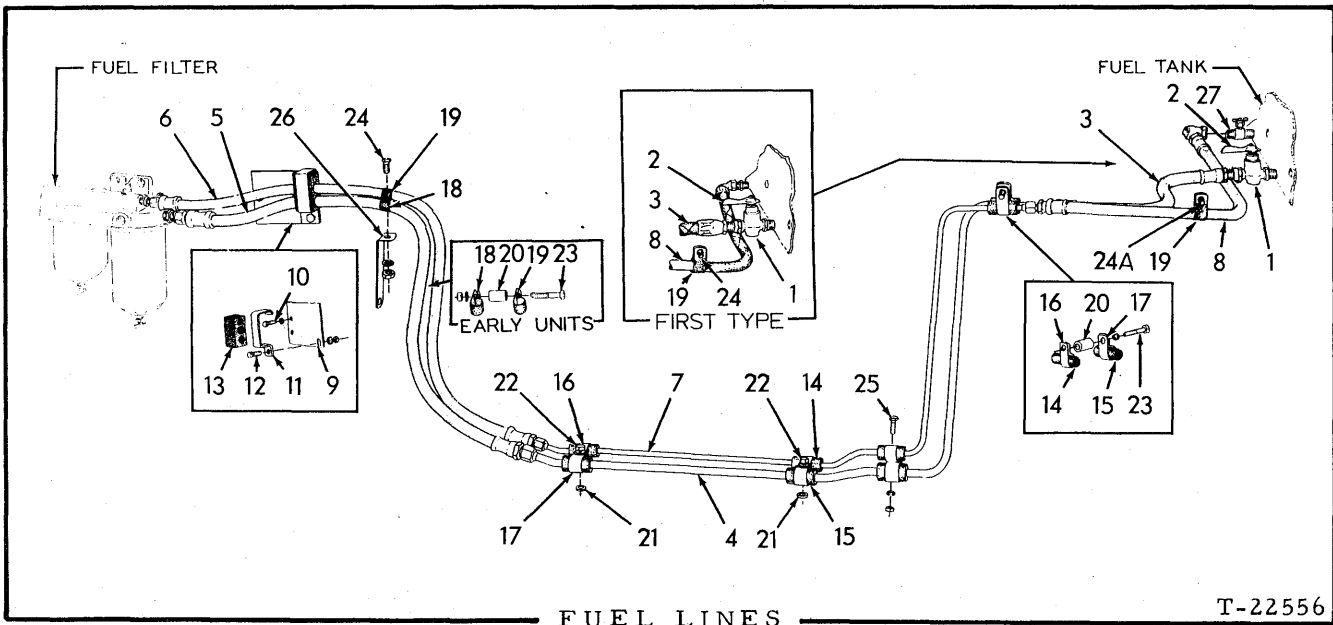
1	092727	1	COCK, fuel shut-off (Includes item 2)
	901723	1	ELBOW, street, 90°, 3/8"NPT
2	082189	1	HANDLE, fuel shut-off cock
3	087024	1	ΔTUBE, fuel supply, rear section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
	915379	1	UNION, Sealastic, 1/2" tube
4	086953	1	ΔTUBE, fuel supply, front section
	918564	2	NUT, Sealastic, 1/2" tube
	915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	915378	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
5	087023	1	ΔTUBE, fuel return, rear section
	087052	1	TUBE, fuel return, rear section (Required for tractors equipped with Heavy-duty Fuel Filter)
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	915386	1	UNION, Sealastic, 3/8" tube
6	087025	1	TUBE, fuel return, center section
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915386	1	UNION, Sealastic, 3/8" tube
7	086951	1	TUBE, fuel return, front section (Used prior to engine #10-3871)
	092797	1	TUBE, fuel return, front section (Effective with engine #10-3871)
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
8	086954	1	HOSE, fuel return (Used prior to engine #10-3871)
	912324	1	CONNECTOR, flare type, 1/4"NPT male
	901677	1	ELBOW, pipe, 90°, 1/4"NPT
	901479	1	NIPPLE, pipe, 1/4"NPT x 1-1/2"
	901764	1	COUPLING, pipe, 1/4"NPT
9	047381	1	CLIP, hose supporting (5/8" diam., 13/32" bolt-hole) (Used prior to engine #10-3871)
10	087082	1	SPACER, tube supporting clips (Used prior to engine #10-3871)
11	055232	1	CLIP, tube supporting (for one 1/2" diam. tube and one 3/8" diam. tube, 13/32" bolt-hole)
	915809	1	CAPSCREW, 5/16"NC x 3/4" }
	904205	1	LOCKWASHER, 5/16" }

ΔIndicates parts not used on tractors equipped with Heavy-duty Fuel Filter.

(Continued)

FUEL LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	076498	1	CLIP, hose supporting (1/2" diam., 13/32" bolt-hole)(Used prior to engine #10-3871)
13	037450	1	CAPSCREW, 5/16"NC x 1-1/4"
	904205	1	LOCKWASHER, 5/16"
14	089099	1	PLATE, tube supporting, clip
15	055233	5	CLIP, tube supporting (for one 1/2" diam. tube and one 3/8" diam. tube, 13/32" bolt-hole)
16	036032	1	CAPSCREW, 3/8"NF x 3/4"
	035979	4	CAPSCREW, 3/8"NF x 5/8"
	904206	5	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
17	091046	1	CLIP, tube supporting (1/2" diam., 7/16" bolt-hole)
18	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
19	087536	1	CLIP, tube supporting
20	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF



USAGE: Tractors serial No. 4415 and up

* Tractors prior to serial No. 8941

** Tractors serial No. 8941 and up

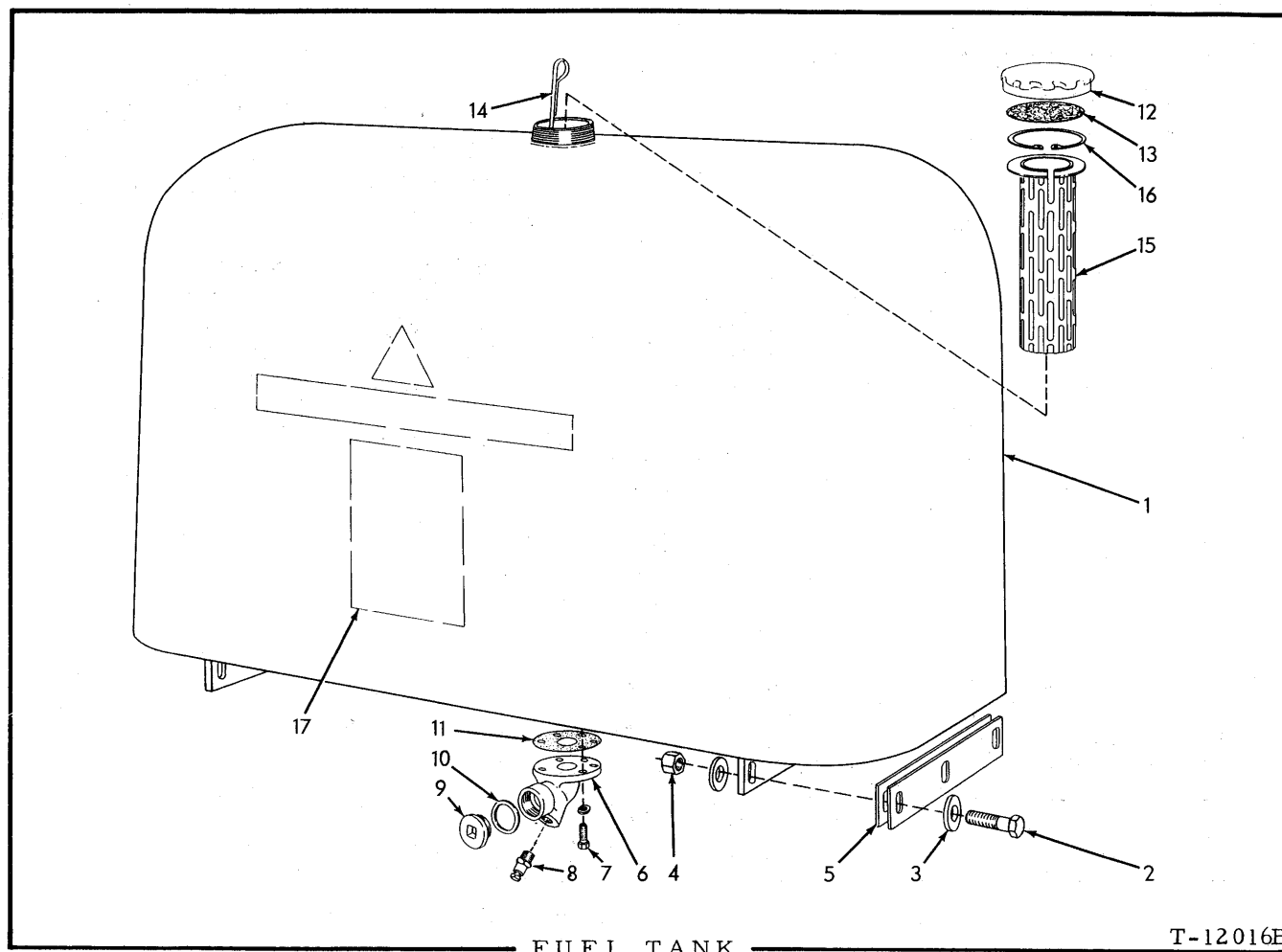
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	092727	1	1	COCK, fuel shut-off (Includes item 2)
2	082189	1	1	HANDLE, fuel shut-off cock
3	094319	1	-	HOSE ASSEMBLY, fuel supply line, rear (See page 6 for parts)
	648283	-	1	HOSE, fuel supply line, rear (See page 6)
4	094226	1	1	TUBE ASSEMBLY, fuel supply line (Includes nuts)
5	645242	1	1	HOSE, fuel supply line, front (See page 6)
	919063	1	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male

Not used when HEAVY-DUTY FUEL FILTER is installed

(Continued)

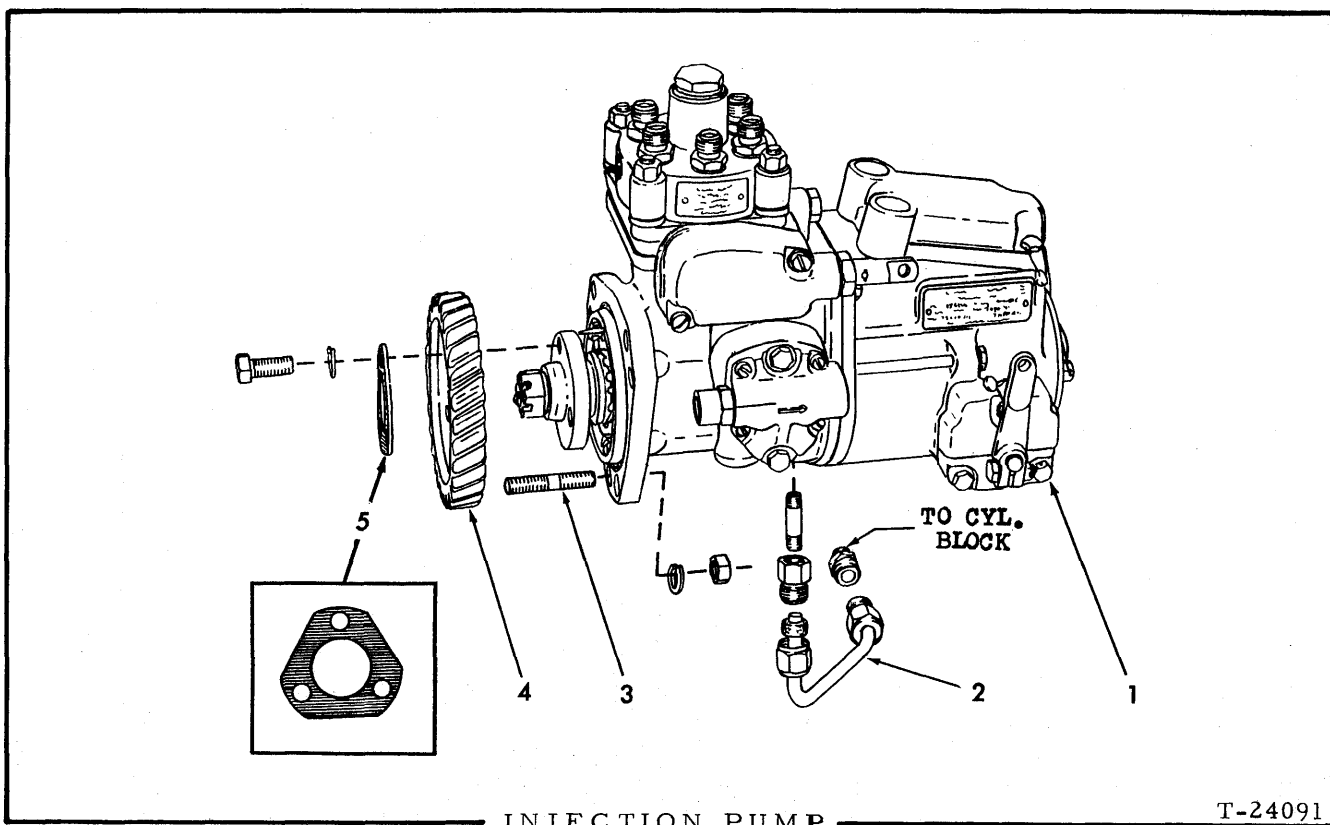
FUEL LINES (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
6	096115	1	-	HOSE ASSEMBLY, fuel return line, front (See page 6 for parts)
	645241	-	1	HOSE, fuel return line, front (See page 6)
	919062	1	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
7	094227	1	1	TUBE ASSEMBLY, fuel return line (Includes nuts)
	095441	1	-	HOSE ASSEMBLY, fuel return line, rear (See page 6 for parts)
8	919062	1	-	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	645235	-	1	HOSE, fuel return line, rear (See page 6)
	921852	-	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female
9	645244	1	-	PLATE, supporting, front hose clamp
	645255	-	1	PLATE, supporting, front hose clamp
10	054130	2	2	CAPSCREW, 5/16"NC x 7/8"
	904205	2	2	LOCKWASHER, 5/16"
11	094964	1	-	CLAMP, front hose supporting
	644529	-	1	CLAMP, front hose supporting
12	036034	1	1	CAPSCREW, 3/8"NF x 7/8"
	044973	1	1	WASHER, plain
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
13	094966	1	-	BLOCK, hose supporting (rubber)
	644531	-	1	BLOCK, hose supporting (rubber)
14	093751	4	4	BOOT, protecting, return tube (rubber)
15	093752	4	4	BOOT, protecting, supply tube (rubber)
16	055234	4	4	CLIP, supporting, return tube
17	097534	4	4	CLIP, supporting, supply tube
18	094467	1	-	CLIP, supporting, supply hose (3/4" diam.)
	644713	-	1	CLIP, supporting, supply hose (7/8" diam.)
19	094422	2	-	CLIP, supporting, return hose (5/8" diam.)
	621304	-	2	CLIP, supporting, return hose (3/4" diam.)
20	617952	1	1	BLOCK, clip spacing (1-3/16" long)
21	044973	2	2	WASHER, clip spacing (3/16" thick)
22	040382	2	2	CAPSCREW, clip attaching (3/8"NC x 1-3/8")
	904206	2	2	LOCKWASHER, 3/8"
23	013059	1	1	CAPSCREW, clip attaching (3/8"NC x 2")
	904206	1	1	LOCKWASHER, 3/8"
24	035167	1	1	CAPSCREW, clip attaching (3/8"NF x 7/8")
	911115	1	1	WASHER, plain, SAE std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
24A	903775	1	1	CAPSCREW, clip attaching (3/8"NC x 7/8")
	904206	1	1	LOCKWASHER, 3/8"
25	012992	1	1	CAPSCREW, clip attaching (3/8"NF x 1-1/4")
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
26	631110	1	1	ANGLE, hose supporting (Effective with tractor #6069)
27	914378	-	1	VALVE, shut-off, fuel return line (1/4"NPT female)



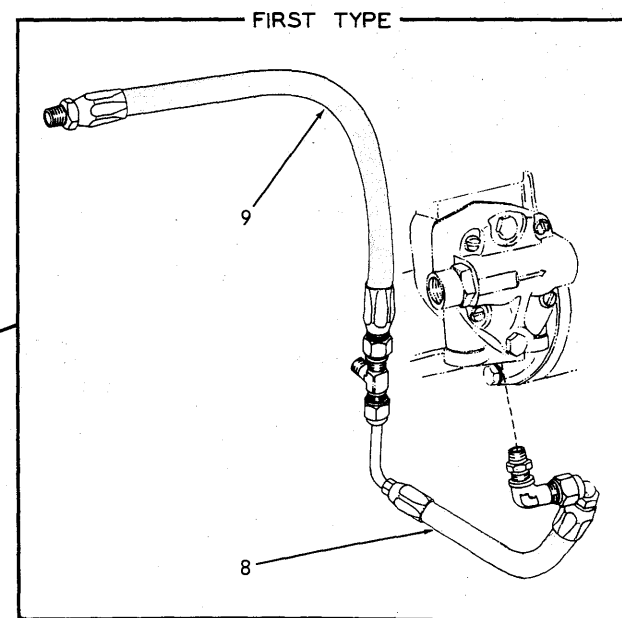
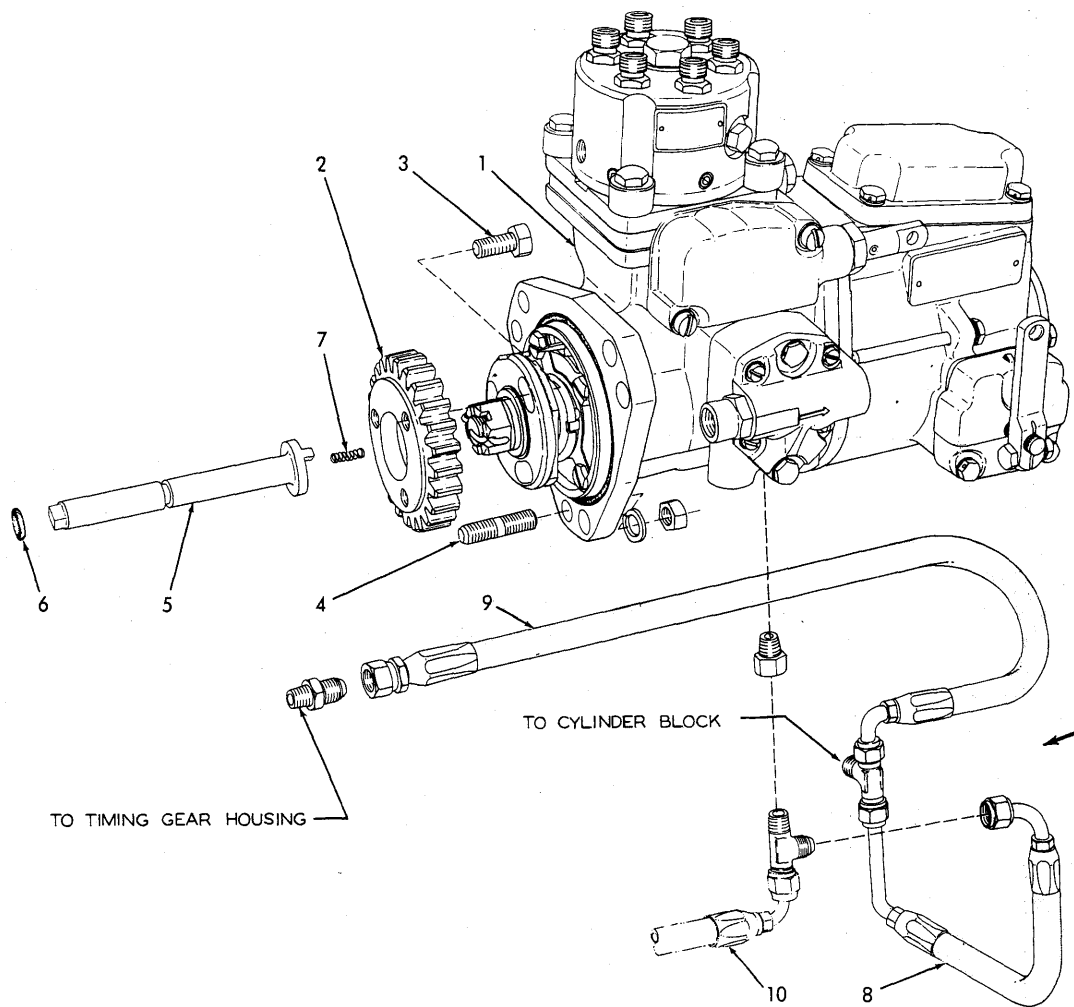
ITEM	PART NO.	QTY.	DESCRIPTION
1	650229	1	TANK, fuel (If for tractors prior to #4710, also order 1 BRACE 096951, 1 PLATE 096939, 4 CAPSCREW 614478, 4 LOCKWASHER 904208 and 4 NUT 911043)
2	035067	6	CAPSCREW, 1/2"NF x 2"
3	064531	12	WASHER, plain
4	038234	6	NUT, high, 1/2"NF
5	087468	6	SHIM, tank mounting (Use as required)
6	052360	1	ELBOW, fuel tank drain
7	036034	5	CAPSCREW, 3/8"NF x 1"
	904206	5	LOCKWASHER, 3/8"
8	633519	1	COCK, fuel tank drain
9	050594	1	PLUG, clean-out, fuel tank drain elbow
10	050595	1	GASKET, clean-out plug
11	050787	1	GASKET, fuel tank drain elbow
12	642744	1	CAP, fuel tank
13	065613	1	GASKET, fuel tank cap
14	097735	1	GAUGE, fuel level
15	642749	1	STRAINER, fuel
16	621775	1	RING, snap, fuel strainer
17	-----	-	TRANSFERS (See PAINTING AND MARKING)

Effective with tractor #8995



USAGE: Engines prior to serial No. 10-4855

ITEM	PART NO.	QTY.	DESCRIPTION
1	4335181	1	PUMP ASSEMBLY, fuel injection (See your Allis-Chalmers dealer for service)
2	4348474	1	LINE, oil, cylinder block to pump (Used prior to engine #10-4332)
	918235	2	NUT, Sealastic, 5/16" tube
	915852	2	RING, Sealastic, 5/16" tube (Includes ferrule)
	915854	1	CONNECTOR, Sealastic, 5/16" tube, 1/8"NPT male
	917980	1	CONNECTOR, Sealastic, 5/16" tube, 1/8"NPT female
	910205	1	NIPPLE, pipe, 1/8"NPT x 1-1/4"
	4335557	1	HOSE ASSEMBLY, oil, cylinder block to pump (See page 6 for parts) (Effective with engine #10-4332)
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
3	4337224	3	STUD, pump attaching (3/8" diam.)
	904206	3	LOCKWASHER, 3/8"
	910123	3	NUT, 3/8"NF
4	4348438	1	GEAR, pump drive
	916382	3	CAPSCREW, 3/8"NF x 7/8"
	904206	3	LOCKWASHER, 3/8"
5	4347836	1	WASHER, serrated, pump drive gear



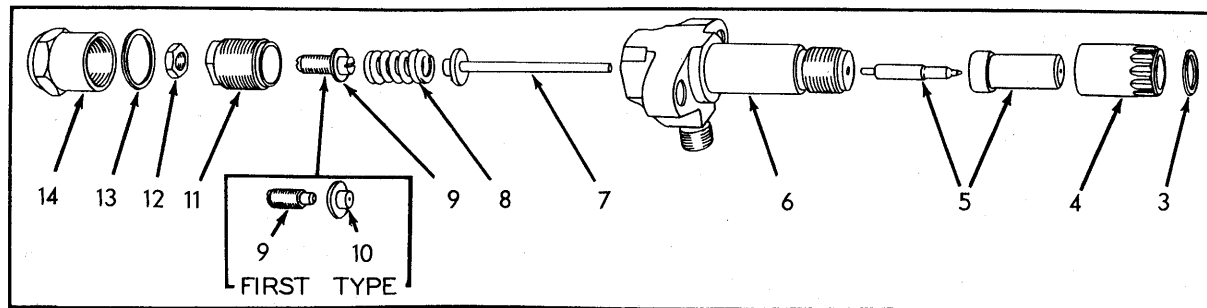
INJECTION PUMP (Second type)

INJECTION PUMP

USAGE: Engines serial No. 10-4855 and up

* Used prior to tractor serial No. 6069
 ** Effective with tractor serial No. 6069

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4336339	1	1	PUMP ASSEMBLY (Model HD11G)(Used prior to tractor #6427)
	4337830	-	1	PUMP ASSEMBLY (Model HD11G. Effective with tractor #6427 but later discontinued on engine #10-7259)
	4338306	-	1	PUMP ASSEMBLY (Model HD11G. Engines #10-7259 and up)
	4338308	-	1	PUMP ASSEMBLY (Model HD11GC)
<u>NOTE:</u> Consult your Allis-Chalmers dealer for pump service				
2	4347834	1	1	GEAR, pump coupling
3	916381	3	3	CAPSCREW, 3/8"NF x 3/4"
4	4337224	3	3	STUD, pump attaching (3/8" diam.)
	904206	3	3	LOCKWASHER, 3/8"
	910123	3	3	NUT, 3/8"NF
5	4335444	1	1	SHAFT, timing
6	923663	1	1	O-RING, timing shaft
7	4346704	1	1	SPRING, timing shaft
8	4335931	1	1	HOSE ASSEMBLY, cylinder block to injection pump (See page 6 for parts)
	920215	1	-	NIPPLE, hex, 1/8"NPT
	919249	1	-	ELBOW, flare type, 1/4" tube, 1/8"NPT female
	919773	1	1	TEE, flare type, 1/4" tube, 1/8"NPT male side
	917032	-	1	ADAPTER, extension, 1/8"NPT male and female
	919345	-	1	TEE, flare type, 1/4" tube, 1/8"NPT male end
9	4335716	1	-	HOSE ASSEMBLY, cylinder block to gear housing (See page 6 for parts)
	4376906	-	1	HOSE ASSEMBLY, cylinder block to gear housing (See page 6 for parts)
	919171	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
10	-----	-	1	HOSE ASSEMBLY (See STEERING PUMP DRIVE)



INJECTION NOZZLES AND LINES

T-24087

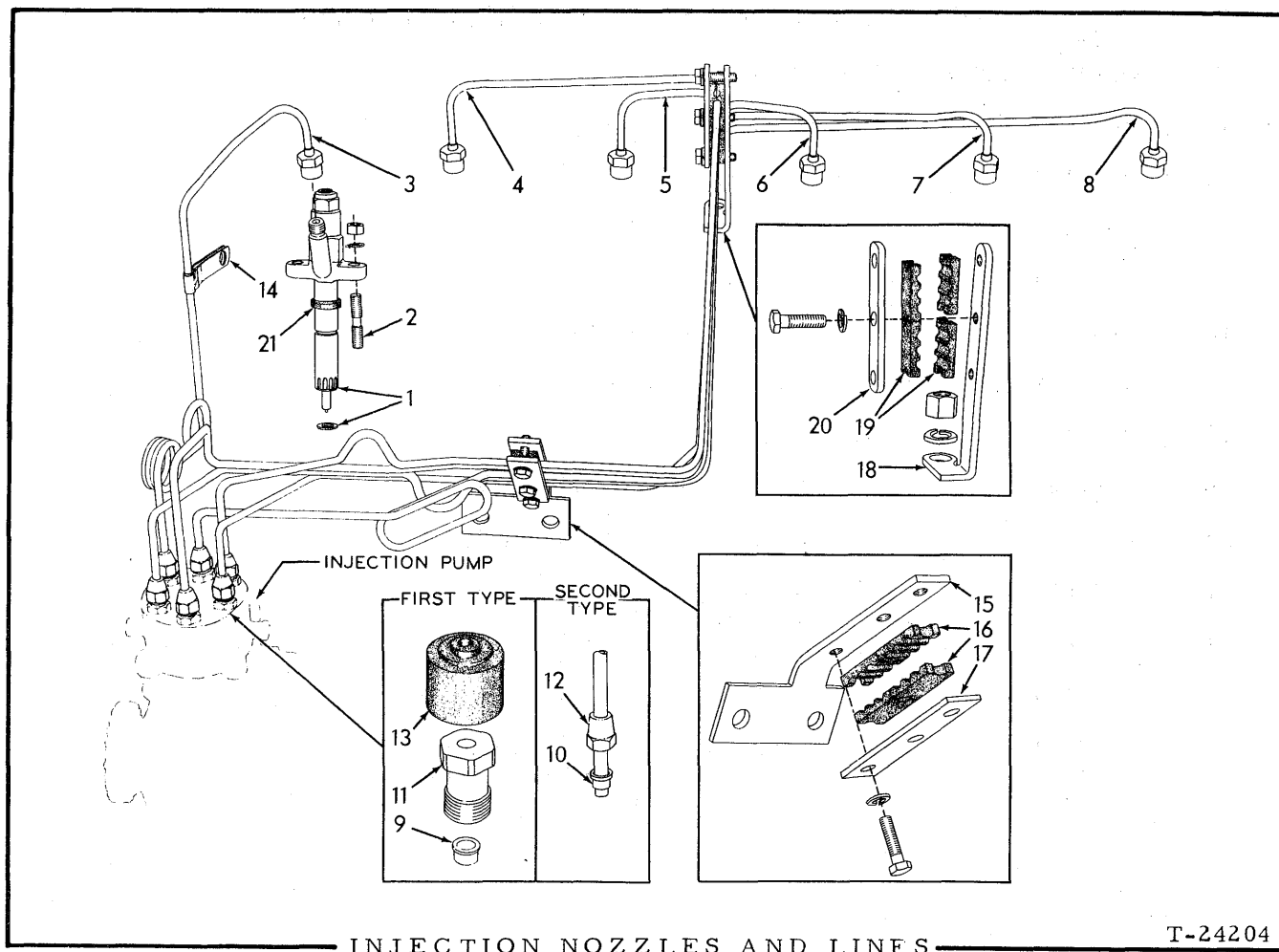
USAGE: Model HD11G tractors prior to serial No. 6427 (516 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	4346227	6	HOLDER ASSEMBLY, injection nozzles (Includes items 3 thru 14)
2	4335573	12	STUD, injection nozzle holder
	910123	12	NUT, 3/8"NF
	904206	12	LOCKWASHER, 3/8"
3	4511204	6	GASKET, injection nozzle holder
4	4511217	6	NUT, injection nozzle
5	4380445	6	NOZZLE ASSEMBLY, injection (1 Body and 1 Valve)
6	-----	6	BODY, nozzle holder (Not serviced separately)
7	4040552	6	SPINDLE, nozzle holder
8	4371121	6	SPRING, nozzle holder
9	-----	6	SCREW, nozzle holder (First type)(Order SCREW 4047538)
	4047538	6	SCREW, nozzle holder (Second type)
10	-----	6	SEAT, nozzle holder spring (Used with First type SCREW only. Order SCREW 4047538)
11	4040096	6	NUT, nozzle holder spring

Also see PACKAGED PARTS
(Continued)

INJECTION NOZZLES AND LINES (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
12	4040098	6	NUT, nozzle holder screw
13	4372113	6	GASKET, nozzle holder cap
14	4040099	6	CAP, nozzle holder
15	4504409	12	NUT, fuel injection line
16	4501149	12	SLEEVE, fuel injection line
17	4347596	1	LINE, fuel injection (#1 cylinder)
18	4347597	1	LINE, fuel injection (#2 cylinder)
19	4347598	1	LINE, fuel injection (#3 cylinder)
20	4347599	1	LINE, fuel injection (#4 cylinder)
21	4347600	1	LINE, fuel injection (#5 cylinder)
22	4347601	1	LINE, fuel injection (#6 cylinder)
23	4507359	6	SPACER, fuel injection lines (rubber)
24	4347649	6	PLATE, fuel injection line clamping
	903773	6	CAPSCREW, 5/16"NC x 1-1/4"
	904205	6	LOCKWASHER, 5/16"



T-24204

USAGE: Tractors serial No. 6427 and up (10000 series engine)

* Engines prior to serial No. 10-7154 (HD11G))and
No. 10-6899 (HD11GC)

** Engines serial No. 10-7154 thru 10-7562 (HD11G)
and No. 10-6899 thru 10-7562 (HD11GC)

*** Engines serial No. 10-7563 and up (all models)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	4336566	6	6	-	HOLDER ASSEMBLY, injection nozzle (See page 80 for parts)(Used prior to engine #10-7107. Order HOLDER ASSEMBLY 4380654)
	4380654	6	6	6	HOLDER ASSEMBLY, injection nozzle (See page 81 for parts)(Effective with engine #10-7107)
2	4336209	12	12	12	STUD, injection nozzle holder
	910123	12	12	12	NUT, 3/8"NF
	904206	12	12	12	LOCKWASHER, 3/8"
3	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#1 cylinder)
	4337805	-	1	-	TUBE ASSEMBLY, fuel injection (#1 cylinder)
	4338428	-	-	1	TUBE ASSEMBLY, fuel injection (#1 cylinder)
4	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#2 cylinder)
	4337806	-	1	-	TUBE ASSEMBLY, fuel injection (#2 cylinder)
	4338429	-	-	1	TUBE ASSEMBLY, fuel injection (#2 cylinder)

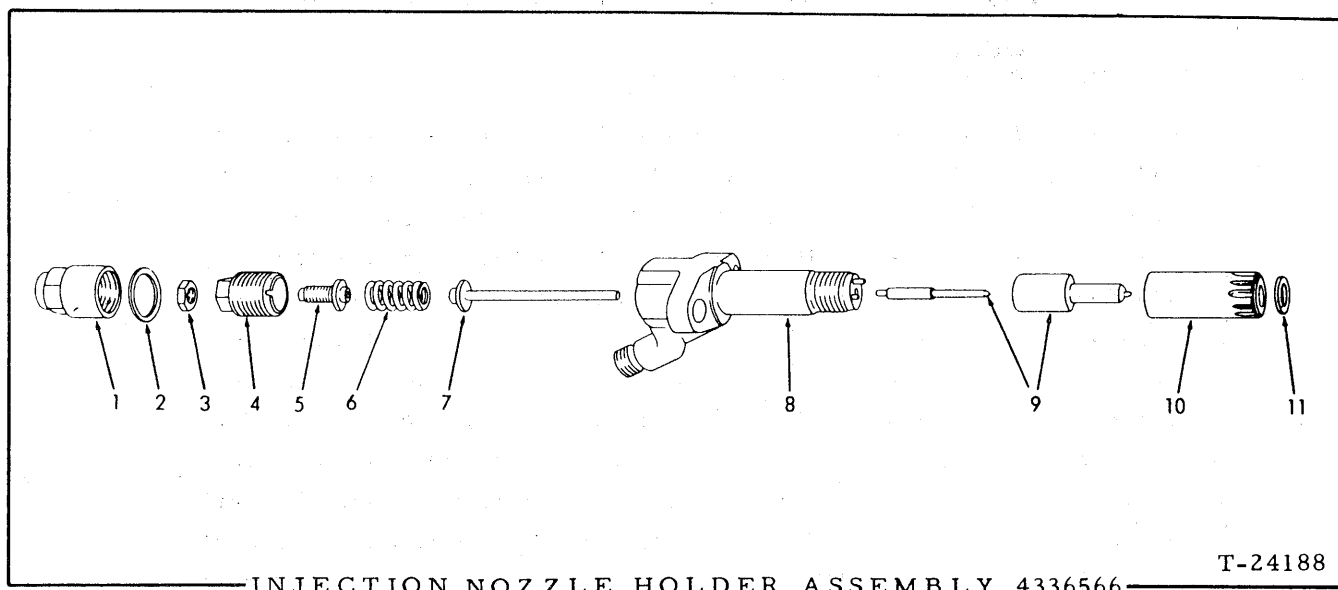
(Continued)

INJECTION NOZZLES AND LINES (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
5	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#3 cylinder)
	4337807	-	1	-	TUBE ASSEMBLY, fuel injection (#3 cylinder)
	4338430	-	-	1	TUBE ASSEMBLY, fuel injection (#3 cylinder)
6	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#4 cylinder)
	4337808	-	1	-	TUBE ASSEMBLY, fuel injection (#4 cylinder)
	4338431	-	-	1	TUBE ASSEMBLY, fuel injection (#4 cylinder)
7	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#5 cylinder)
	4337809	-	1	-	TUBE ASSEMBLY, fuel injection (#5 cylinder)
	4338432	-	-	1	TUBE ASSEMBLY, fuel injection (#5 cylinder)
8	-----	1	-	-	TUBE ASSEMBLY, fuel injection (#6 cylinder)
	4337810	-	1	-	TUBE ASSEMBLY, fuel injection (#6 cylinder)
	4338433	-	-	1	TUBE ASSEMBLY, fuel injection (#6 cylinder)

NOTE: Each Tube Assembly listed above includes Nut and Sleeve for the upper end. Where part No. is not listed, order the corresponding Tube Assembly of later design and include with each 1 SLEEVE 4501149, 1 SLEEVE 4054096, 1 NUT 4504409 and 1 FITTING 4054095. When replacing entire set of tubes (items 3 thru 8 for engines prior to serial No. 10-7563, order latest type as listed above.

9	4052556	6	-	-	SLEEVE, injection tube, lower end
10	4501149	-	6	6	SLEEVE, injection tube, lower end
11	4052555	6	-	-	FITTING, injection tube, lower end
12	4504409	-	6	6	NUT, injection tube, lower end
13	4053156	6	-	-	CAP, injection tube fitting (rubber)
14	4339207	1	1	1	CLIP, fuel injection tube (#1 cylinder)
15	4336530	1	1	1	BRACKET, tube supporting, lower
16	4336532	2	2	2	SPACER, injection tubes, lower
17	4336531	1	1	1	PLATE, clamping, injection tubes, lower
	914392	3	3	3	CAPSCREW, 5/16"NC x 1"
	904205	3	3	3	LOCKWASHER, 5/16"
18	4336249	1	1	1	BRACKET, tube supporting, upper
	910195	1	1	1	NUT, 1/2"NF
	904208	1	1	1	LOCKWASHER, 1/2"
19	4507359	4	4	4	SPACER, injection tubes, upper
20	4336250	1	1	1	CLAMP, injection tubes, upper
	914670	3	3	3	CAPSCREW, 5/16"NC x 1-1/8"
	904205	3	3	3	LOCKWASHER, 5/16"
21	4025385	6	6	6	SHIELD, dirt



INJECTION NOZZLE HOLDER ASSEMBLY 4336566

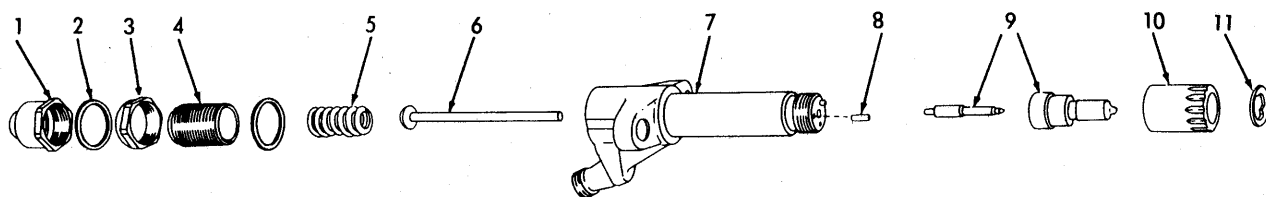
USAGE: See page 78

ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

NOTE: Quantities indicated are for one (1) assembly only

1	4052715	1	CAP, protecting
2	4049282	1	GASKET, protecting cap
3	4050523	1	NUT, adjusting screw
4	4050520	1	NUT, spindle retaining
5	4051839	1	SCREW, adjusting
6	4050519	1	SPRING, nozzle spindle
7	4052714	1	SPINDLE ASSEMBLY (Serviced only as a unit)
8	-----	1	BODY (Not serviced separately)
9	4380685	1	NOZZLE ASSEMBLY, injection (Includes item 11)
10	4050516	1	NUT, nozzle retaining
11	4378031	1	□ GASKET, nozzle holder

□ Also see PACKAGED PARTS



INJECTION NOZZLE HOLDER ASSEMBLY 4380654

T-33500

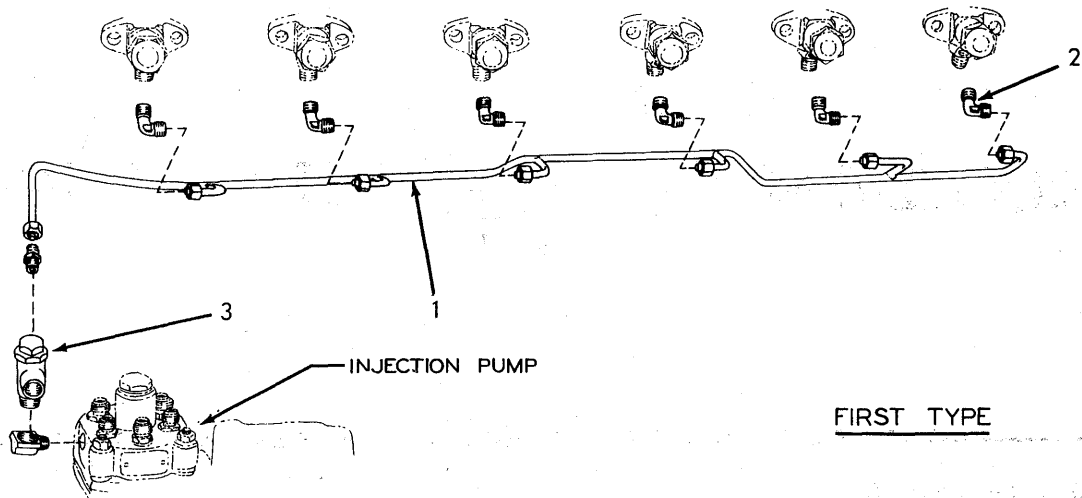
USAGE: See page 78

ITEM PART NO. QTY. DESCRIPTION

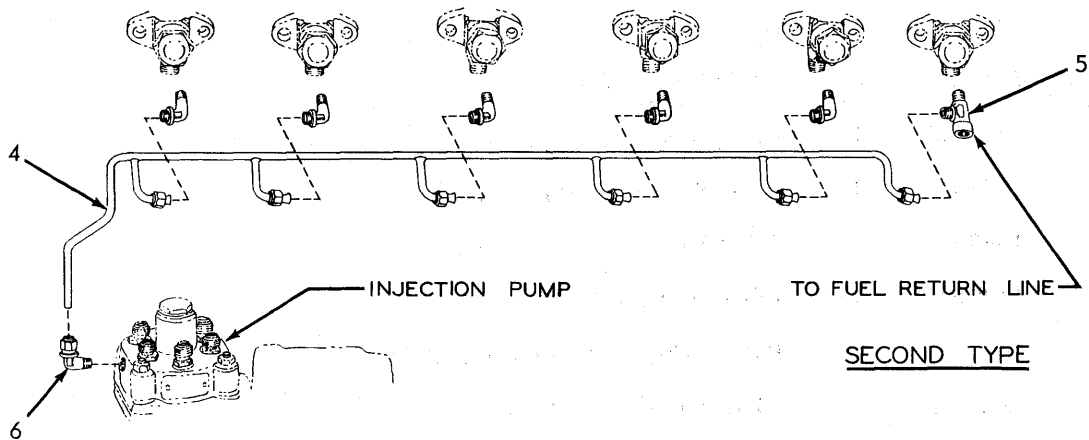
NOTE: Quantities indicated are for one (1) Holder Assembly only

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	4380651	1	NOZZLE ASSEMBLY (Includes item 11)
10	4380662	1	NUT, nozzle retaining
11	4378031	1	□ GASKET, nozzle holder

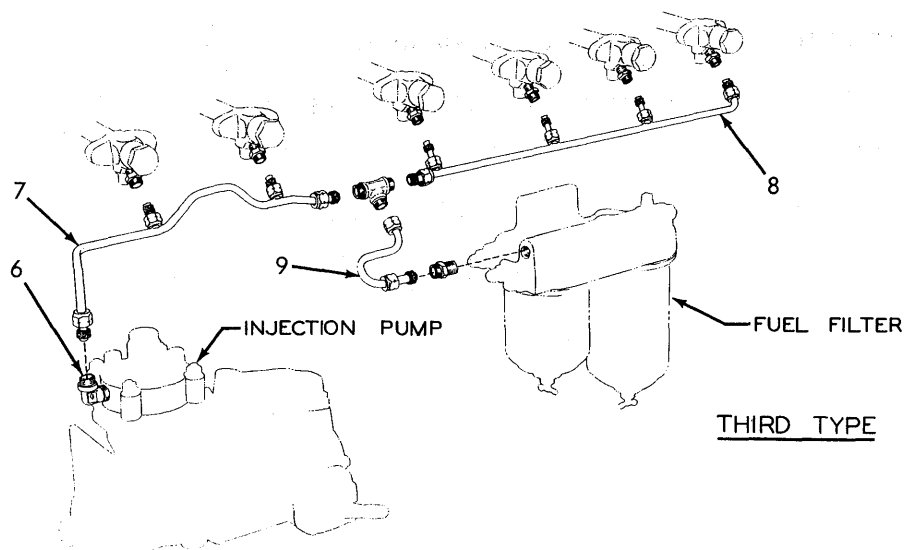
□ Also see PACKAGED PARTS



FIRST TYPE



SECOND TYPE



THIRD TYPE

INJECTION FUEL RETURN LINES (First type)

INJECTION FUEL RETURN LINES

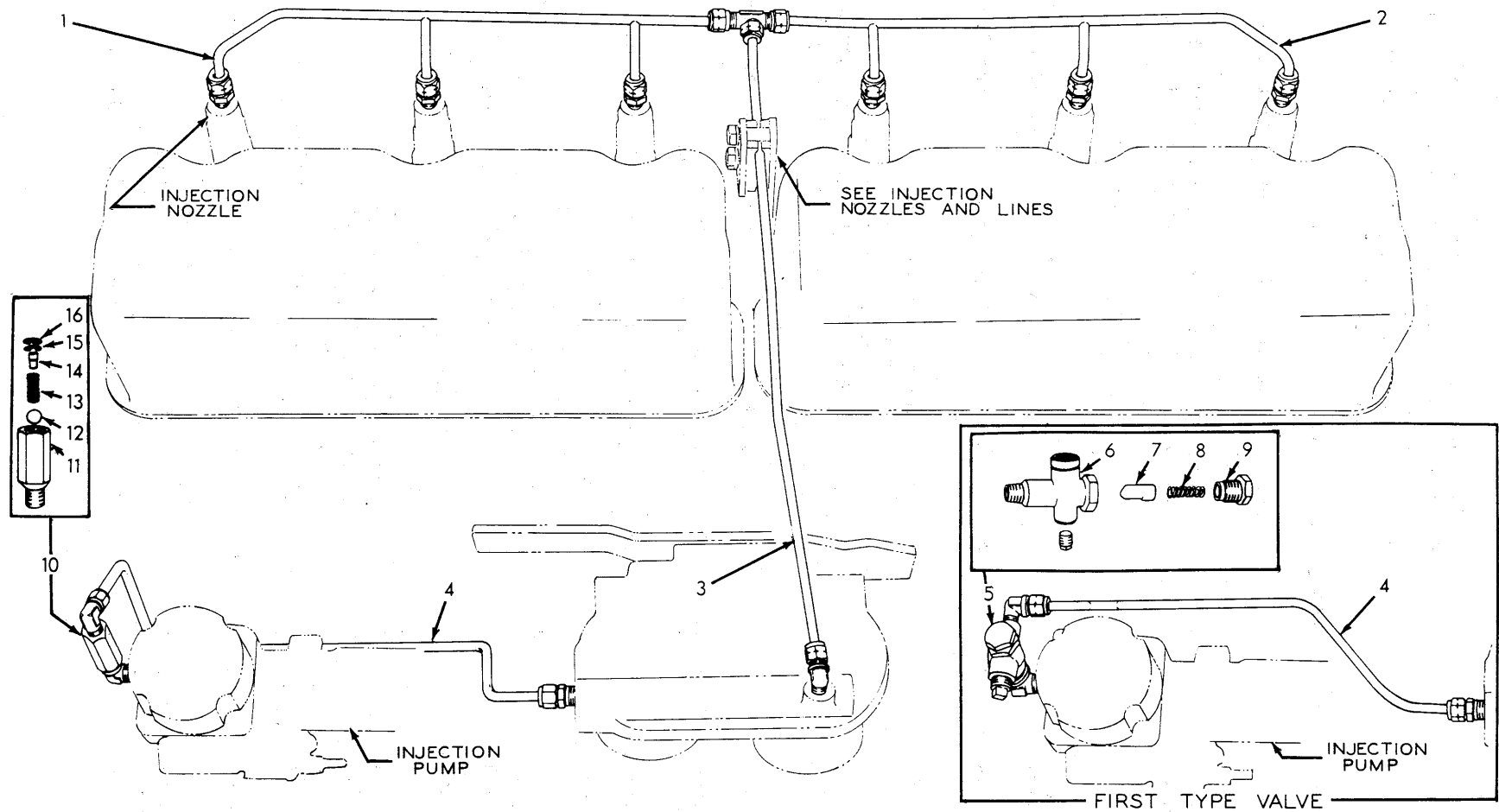
USAGE: Model HD11G tractors prior to serial No. 6427 (516 series engine)

* Used prior to engine serial No. 10-3871

** Used on engines serial No. 10-3871 thru 10-4331
(Tractor No. 4415)

*** Effective with engine serial No. 10-4332
(Tractor No. 4415)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	4347915	1	-	-	MANIFOLD ASSEMBLY (Includes NUTS and SLEEVES indented below)
	911437	7	-	-	NUT, compression fitting, 1/4" tube
	911435	7	-	-	SLEEVE, compression fitting, 1/4" tube
	914626	1	-	-	CONNECTOR, compression type, 1/4" tube, 1/8"NPT male
2	4349376	6	-	-	ELBOW, compression type, 1/4" tube, 1/8"NPT male
3	4040718	1	-	-	VALVE ASSEMBLY, pressure relief
	914588	1	-	-	ELBOW, street, brass, 90°, 1/4"NPT
4	4335146	-	1	-	MANIFOLD ASSEMBLY (Includes NUTS and SLEEVES indented below)
	917809	-	5	-	NUT, Imperial, 1/4" tube
	918804	-	1	-	NUT, Imperial, 5/16" tube
	917806	-	5	-	SLEEVE, Imperial, 1/4" tube
	918802	-	1	-	SLEEVE, Imperial, 5/16" tube
	919040	-	5	-	ELBOW, Imperial, 1/4" tube, 1/8"NPT male
5	4335164	-	1	-	TEE, service, Imperial, 5/16" tube, 1/8"NPT male, 1/4"NPT female
6	4348705	-	1	1	ELBOW ASSEMBLY (Restricted, Includes NUT and SLEEVE indented below)
	918804	-	1	1	NUT, Imperial, 5/16" tube
	918802	-	1	1	SLEEVE, Imperial, 5/16" tube
7	4335932	-	-	1	TUBE ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	917809	-	-	2	NUT, Imperial, 1/4" tube
	918804	-	-	1	NUT, Imperial, 5/16" tube
	917806	-	-	2	SLEEVE, Imperial, 1/4" tube
	918802	-	-	1	SLEEVE, Imperial, 5/16" tube
	919800	-	-	2	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
8	4335913	-	-	1	TUBE ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)
	917809	-	-	3	NUT, Imperial, 1/4" tube
	918804	-	-	2	NUT, Imperial, 5/16" tube
	917806	-	-	3	SLEEVE, Imperial, 1/4"
	918802	-	-	2	SLEEVE, Imperial, 5/16"
	919800	-	-	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
	921143	-	-	1	CONNECTOR, Imperial, 5/16" tube, 1/8"NPT male
9	4349644	-	-	1	TUBE ASSEMBLY, manifold tubes to filter (Includes NUTS and SLEEVES indented below)
	918804	-	-	2	NUT, Imperial, 5/16" tube
	918802	-	-	2	SLEEVE, Imperial, 5/16" tube
	919798	-	-	1	TEE, union, Imperial, 5/16" tube
	920548	-	-	1	CONNECTOR, Imperial, 5/16" tube, 1/4"NPT male



INJECTION FUEL RETURN LINES (Second type)

T-32107

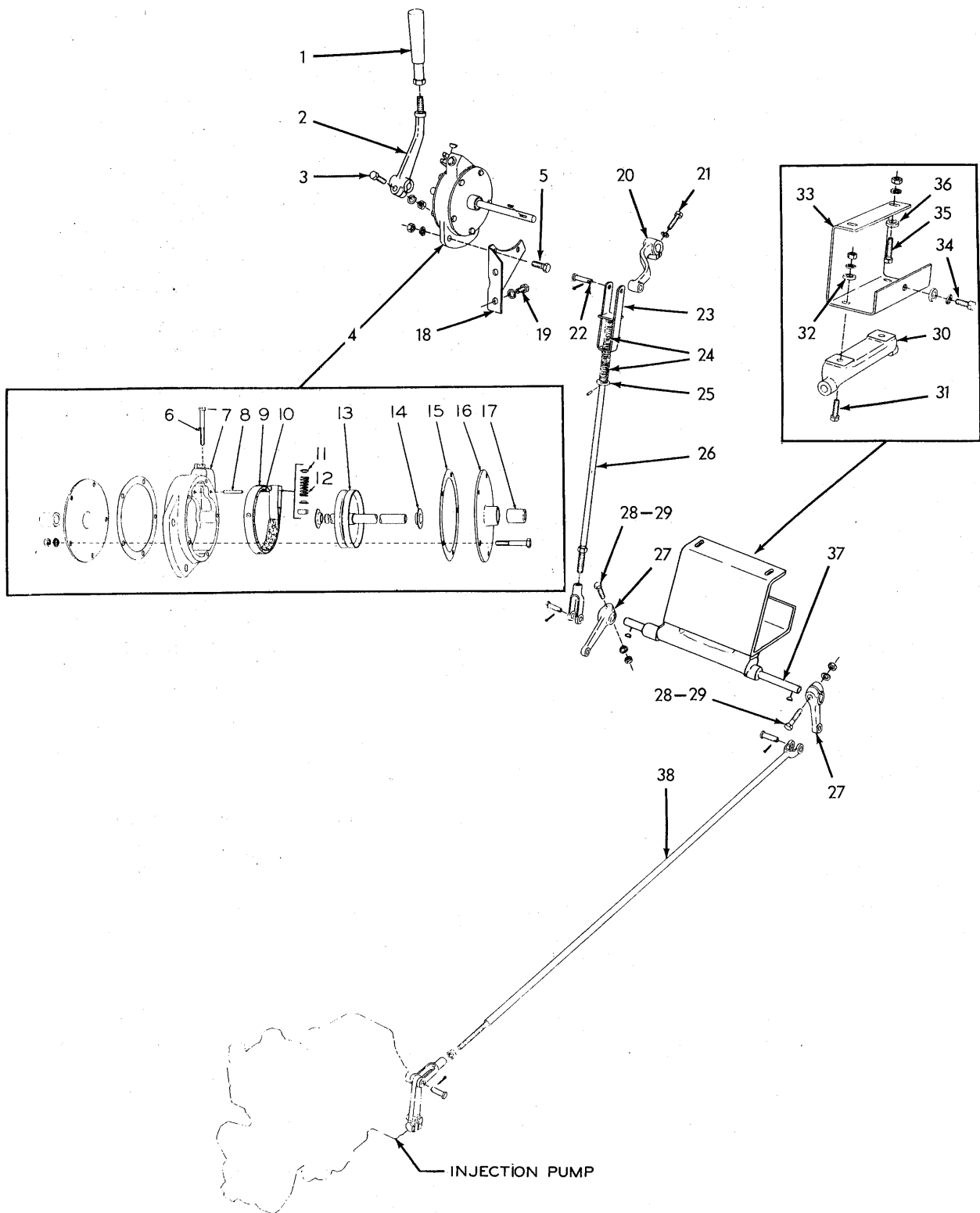
INJECTION FUEL RETURN LINES

USAGE: Tractors serial No. 6427 and up (10000 series engine)

* Engines prior to serial No. 10-6781

** Engines serial No. 10-6781 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4336546	1	1	MANIFOLD ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	917809	4	4	NUT, Imperial, 1/4" tube
	917806	4	4	SLEEVE, Imperial, 1/4" tube
	919800	3	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
2	4336547	1	1	MANIFOLD ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)
	917809	4	4	NUT, Imperial, 1/4" tube
	917806	4	4	SLEEVE, Imperial, 1/4" tube
	919800	3	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
3	4336687	1	1	TUBE ASSEMBLY, manifolds to filter (Includes NUTS and SLEEVES indented below)(Used prior to engine #10-7563)
	4338463	-	1	TUBE ASSEMBLY, manifolds to filter (Includes NUTS and SLEEVES indented below)(Eff. with engine #10-7563)
	917809	2	2	NUT, Imperial, 1/4" tube
	917806	2	2	SLEEVE, Imperial, 1/4" tube
	919797	1	1	TEE, union, Imperial, 1/4" tube
	919481	1	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male
	919481	1	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male
4	4336549	1	-	TUBE ASSEMBLY, pump to filter (Includes NUTS and SLEEVES indented below)
	919040	1	-	ELBOW, Imperial, 1/4" tube, 1/8"NPT male
	4337223	-	1	TUBE ASSEMBLY, pump to filter (Includes NUTS and SLEEVES indented below)
	919481	-	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male
	917809	2	2	NUT, Imperial, 1/4" tube
	917806	2	2	SLEEVE, Imperial, 1/4" tube
	920242	1	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
	920242	1	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
5	4515304	1	-	VALVE ASSEMBLY, pressure relief (Consists of items 6 thru 9)
	914588	1	-	ELBOW, street, brass, 90°, 1/4"NPT
6	-----	1	-	BODY, relief valve (Not serviced separately)
	901651	1	-	PLUG, pipe, 1/8"NPT
7	4041015	1	-	VALVE, pressure relief
8	4050685	1	-	SPRING, pressure relief valve
9	4051304	1	-	SCREW, pressure relief valve
10	4337015	-	1	VALVE ASSEMBLY, pressure relief (Consists of items 11 thru 16)
	914588	-	1	ELBOW, street, brass, 90°, 1/4"NPT
11	-----	-	1	BODY, relief valve (Not serviced separately)
12	4337022	-	1	BALL, relief valve
13	4337023	-	1	SPRING, relief valve
14	4337019	-	1	STOP, relief valve
15	4255017	-	1	E-RING, relieve valve stop
16	4255020	-	1	RING, snap, relief valve



THROTTLE CONTROL (First type)

THROTTLE CONTROL

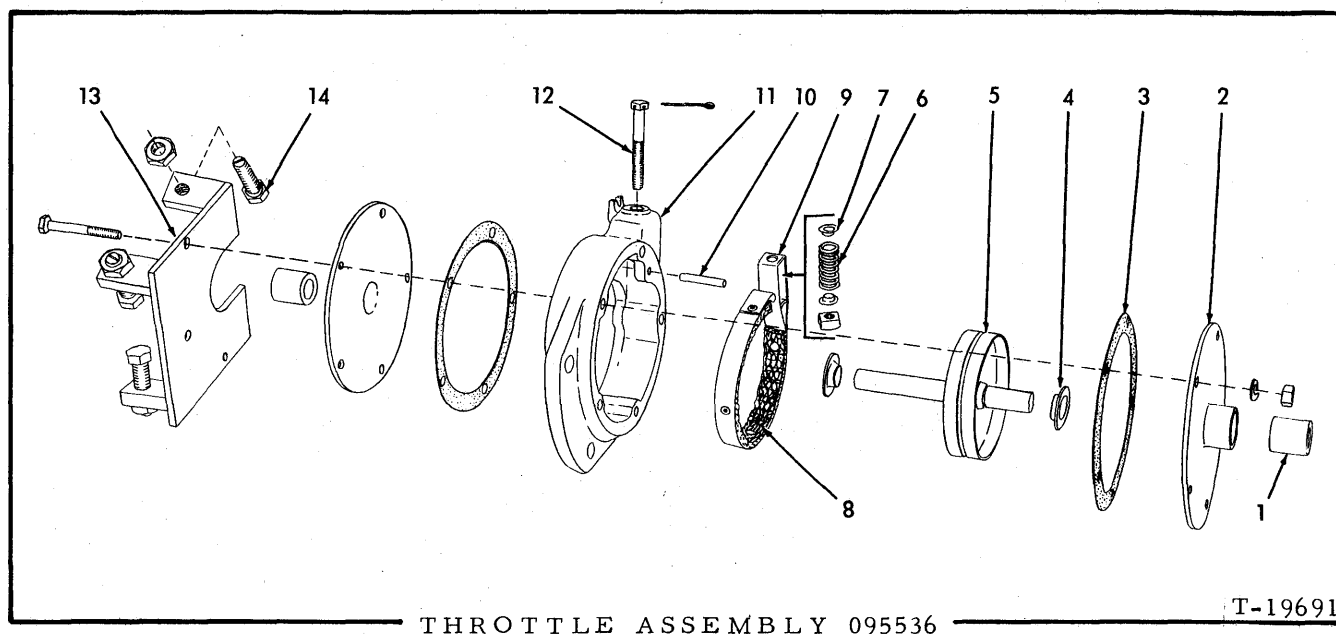
USAGE: Model HD11G tractors prior to serial No. 6427

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	078620	1	GRIP, operating lever
2	076544	1	LEVER, operating
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
3	203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
4	087290	1	THROTTLE ASSEMBLY (Consists of items 6 thru 17)
5	036034	2	CAPSCREW, 3/8"NF x 1"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
6	068862	1	CAPSCREW, friction band adjustment
	904020	1	PIN, cotter, 1/16" x 1"
	901150	1	NUT, square, 1/4"NC
7	068859	1	HOUSING
8	068869	1	PIN, friction band
9	068861	1	BAND ASSEMBLY, friction (Includes item 10)
10	068864	1	LINING, friction band
	915707	4	RIVET, tubular, brass, 3/16" x 9/64"
11	069349	2	COLLAR, friction band spring
12	068911	1	SPRING, friction band
13	087291	1	DRUM AND SHAFT
14	069996	2	WASHER, thrust
15	068865	2	GASKET, housing cover plate
16	068866	2	PLATE ASSEMBLY, housing cover (Includes item 17)
	914892	5	CAPSCREW, 1/4"NF x 1-3/4"
	904204	5	LOCKWASHER, 1/4"
	911040	5	NUT, 1/4"NF
17	071800	2	BUSHING, throttle shaft
18	087262	1	BRACKET, throttle mounting
19	036032	2	CAPSCREW, 3/8"NF x 3/4"
	904206	2	LOCKWASHER, 3/8"
20	084659	1	LEVER, throttle shaft
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
21	037450	1	CAPSCREW, 5/16"NC x 1-1/4"
	904205	1	LOCKWASHER, 5/16"
22	082875	1	PIN, vertical rod, upper yoke
	900942	1	PIN, cotter, 3/32" x 5/8"
23	078967	1	YOKE, vertical rod, upper
24	035910	2	SPRING, vertical rod

(Continued)

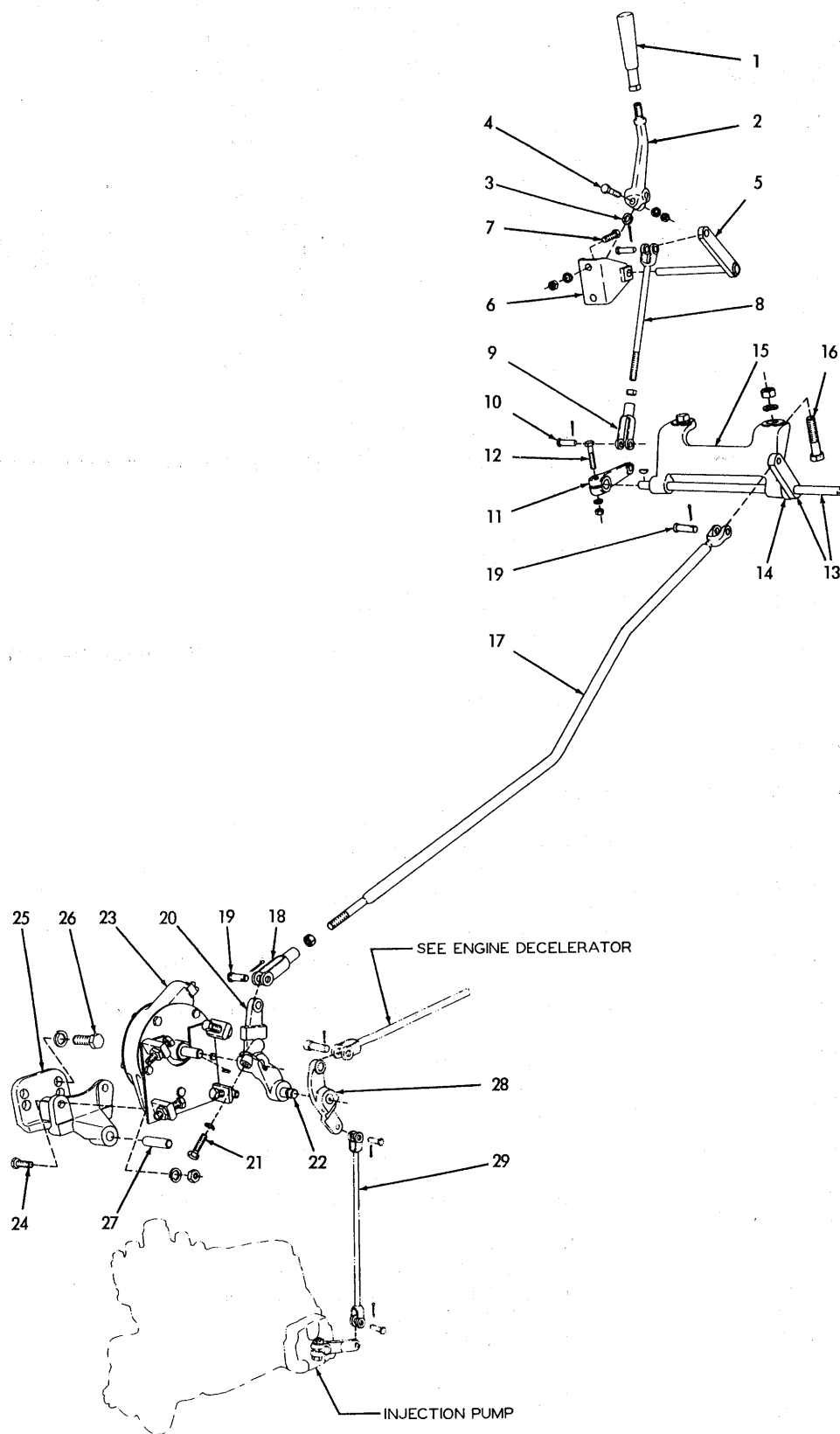
THROTTLE CONTROL (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION	
25	044973	1	WASHER, vertical rod	
26	084513	1	ROD, vertical	
	911041	1	NUT, 3/8"NF	
	916202	1	PIN, roll, 1/8" x 7/8"	
	628736	1	YOKE, rod end, adjustable, 3/8"NF	
	078810	1	PIN, yoke, 3/8" diam.	
	900942	1	PIN, cotter, 3/32" x 5/8"	
27	081619	2	LEVER, cross shaft (When replacing on tractors #2111 thru #2366 also order item 28)	
	905121	2	KEY, #5 woodruff, 1/8" x 5/8"	
28	041981	2	CAPSCREW, 5/16"NF x 1-1/2"	Used on all tractors except Nos. 2111 thru 2366.
	904205	2	LOCKWASHER, 5/16"	
	913636	2	NUT, 5/16"NF	Used on tractors #2111 thru #2366 only.
29	203188	2	CAPSCREW, 3/8"NF x 1-1/2"	
	904206	2	LOCKWASHER, 3/8"	
	911041	2	NUT 3/8"NF	
30	084580	1	BRACKET, cross shaft	
31	012992	2	CAPSCREW, 3/8"NF x 1-1/4"	
32	044973	2	WASHER, plain	
	904206	2	LOCKWASHER, 3/8"	
	911041	2	NUT 3/8"NF	
33	087403	1	BRACKET, mounting, cross shaft bracket	
34	035439	1	CAPSCREW, 3/8"NC x 1"	
35	036039	2	CAPSCREW, 3/8"NF x 1-3/8"	
36	044973	3	WASHER, plain	
	904206	3	LOCKWASHER, 3/8"	
	911041	2	NUT, 3/8"NF	
37	084731	1	SHAFT, cross	
38	084453	1	ROD, horizontal	
	911040	1	NUT, 1/4"NC	
	628737	1	YOKE, rod end, adjustable, 1/4"NF	
	078810	1	PIN, yoke, 3/8" diam. (rear)	
	628738	1	PIN, yoke, 1/4" diam. (front)	
	900942	1	PIN, cotter, 3/32" x 5/8"	
	900970	1	PIN, cotter, 1/16" x 1/2"	



USAGE: See page 91

ITEM	PART NO.	QTY.	DESCRIPTION
1	071800	2	BUSHING, throttle shaft
2	068866	2	PLATE ASSEMBLY, housing cover (Includes item 1)
3	068865	2	GASKET, cover plate
4	069996	2	WASHER, thrust
5	095535	1	DRUM AND SHAFT
6	068911	1	SPRING, friction band
7	069349	2	COLLAR, friction band spring
8	068864	1	LINING, friction band
	915707	4	RIVET, tubular, brass, 1/4" x 9/64"
9	068861	1	BAND ASSEMBLY, friction (Includes item 8)
10	068869	1	PIN, friction band
11	068859	1	HOUSING
12	068862	1	CAPSCREW, friction band adjustment
	904020	1	PIN, cotter, 1/16" x 1"
	901150	1	NUT, square, 1/4"NC
13	094990	1	PLATE, stop
	916933	3	CAPSCREW, 1/4"NF x 2"
	914892	2	CAPSCREW, 1/4"NF x 1-3/4"
	904204	5	LOCKWASHER, 1/4"
	911040	5	NUT, 1/4"NF
14	094290	4	CAPSCREW, stop (3/8"NC x 1-1/2")
	911034	4	NUT, jam, 3/8"NC

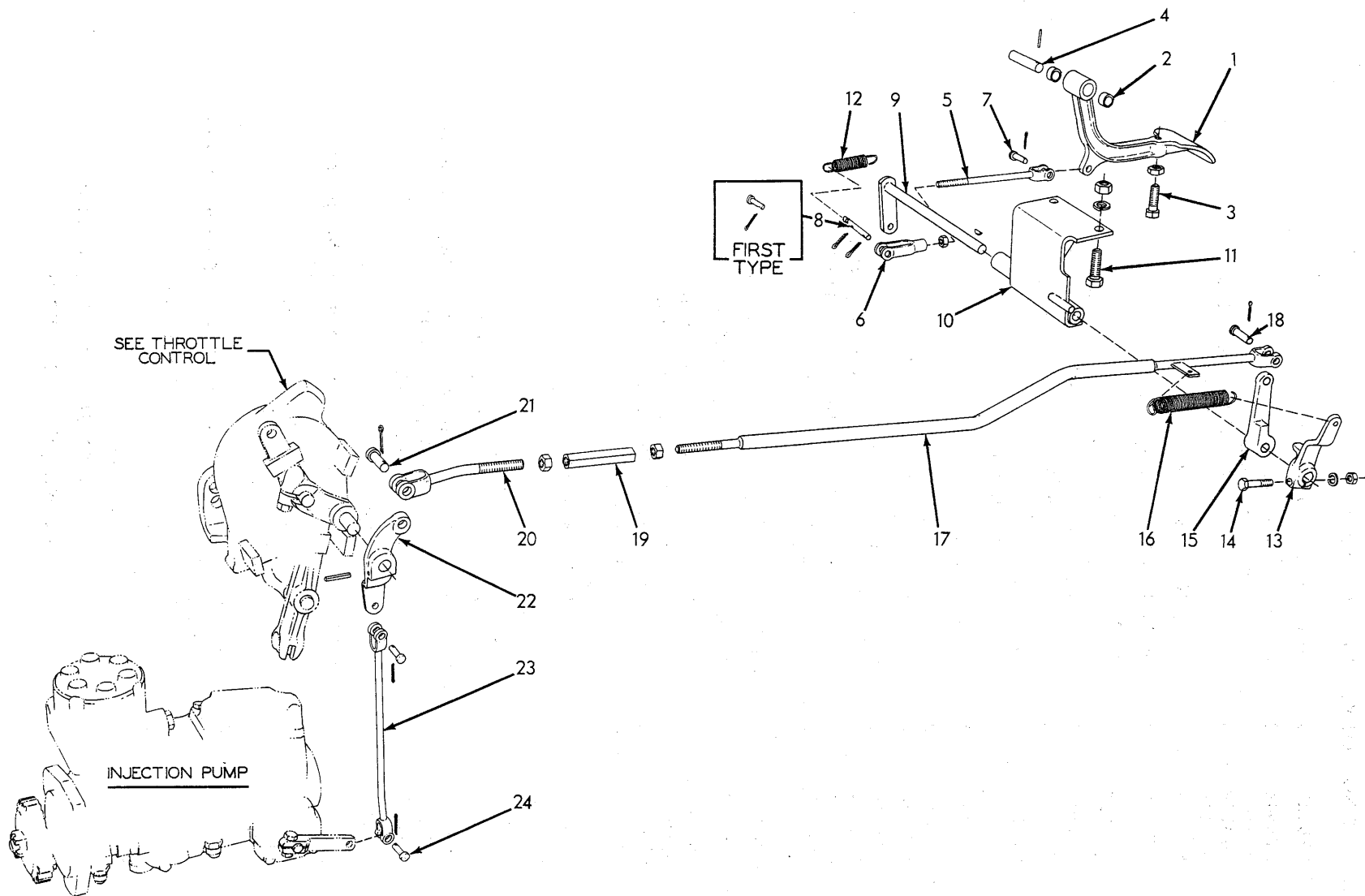


THROTTLE CONTROL (Second type)

THROTTLE CONTROL

USAGE: Tractors serial No. 6427 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	078620	1	GRIP, operating lever
2	076544	1	LEVER, operating
3	620544	1	WASHER, locking
4	203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
5	620080	1	SHAFT, operating lever
6	620393	1	BRACKET, shaft supporting
7	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
8	073116	1	ROD, rear
	911041	1	NUT, 3/8"NF
9	628736	1	YOKE, rear rod
10	078810	2	PIN, yoke, rear rod
	900942	2	PIN, cotter, 3/32" x 5/8"
11	081619	1	LEVER, cross shaft
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
12	041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	LOCKWASHER, 5/16"
	913636	1	NUT, 5/16"NF
13	620069	1	SHAFT, cross
14	620543	1	WASHER, spacing, cross shaft lever
15	095399	1	BRACKET, cross shaft supporting
16	035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
17	620077	1	ROD, front
	911041	1	NUT, 3/8"NF
18	628736	1	YOKE, front rod
19	078810	2	PIN, yoke, front rod
	900942	2	PIN, cotter, 3/32" x 5/8"
20	095555	1	BELLCRANK ASSEMBLY, throttle (Includes item 22)
21	045295	1	CAPSCREW, 5/16"NC x 1"
	904205	1	LOCKWASHER, 5/16"
22	096258	1	PIN, bellcrank
23	095536	1	THROTTLE ASSEMBLY (See page 89 for parts)
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
24	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
25	094997	1	BRACKET ASSEMBLY, throttle supporting (Includes item 27)
26	035733	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	2	LOCKWASHER, 1/2"
27	094998	1	PIN, throttle bracket
28	-----	-	BELLCRANK (See ENGINE DECELERATOR)
29	-----	-	ROD (See ENGINE DECELERATOR)

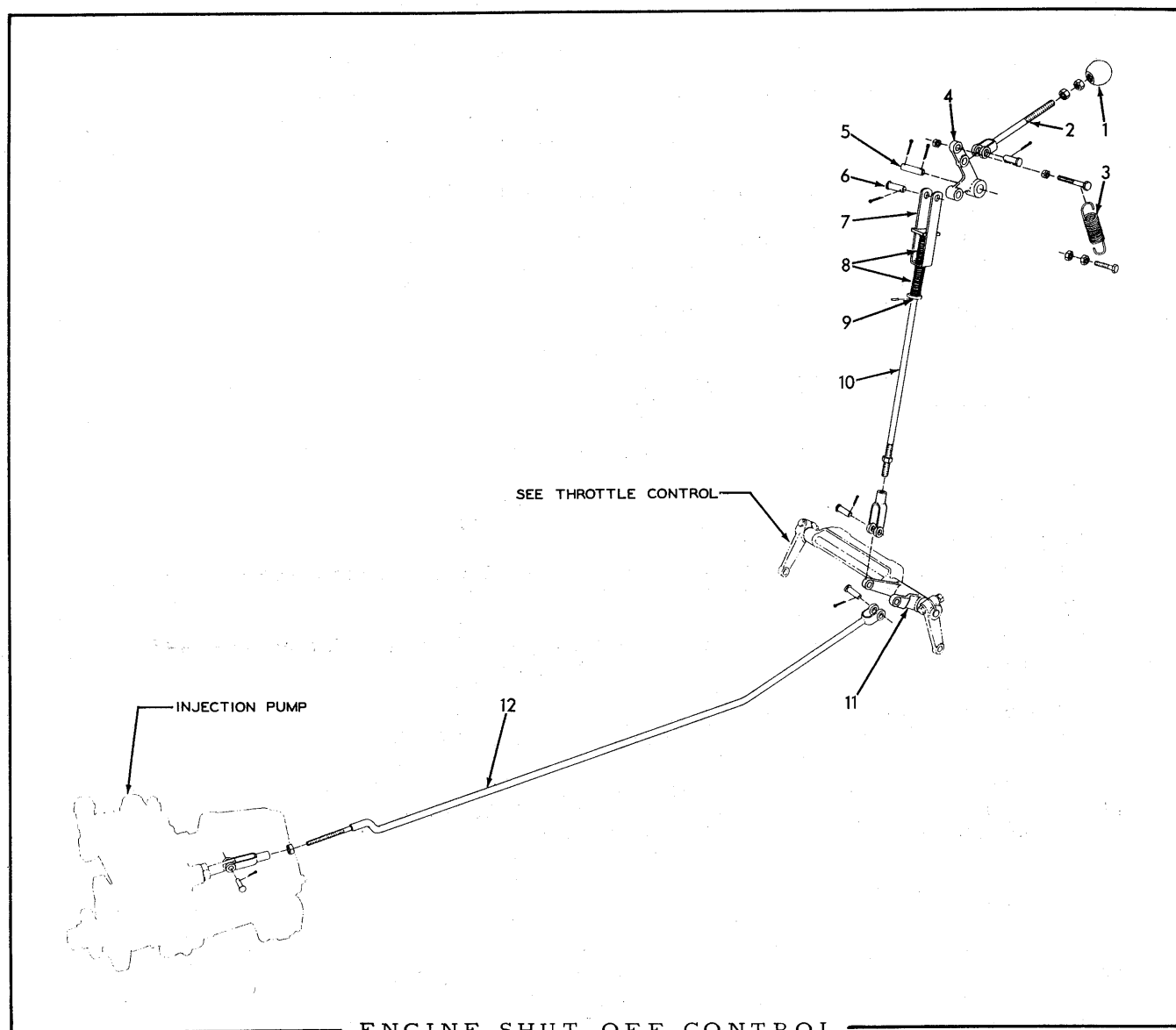


ENGINE DECELERATOR

ENGINE DECELERATOR

USAGE: Tractors serial No. 6427 and up

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	092871	1	PEDAL ASSEMBLY (Includes item 2)
2	049988	2	BUSHING, decelerator pedal
3	035190	1	CAPSCREW, pedal stop (1/2"NC x 1-1/2")
	911035	1	NUT, jam, 1/2"NC
4	095435	1	SHAFT, pedal
	918111	1	PIN, roll, 1/8" x 1"
5	092881	1	ROD, pedal lever
	911041	1	NUT, 3/8"NF
6	628736	1	YOKE, pedal lever rod
7	078810	1	PIN, yoke, pedal lever rod
	900942	1	PIN, cotter, 3/32" x 5/8"
8	078810	1	PIN, pedal lever rod yoke (Used prior to tractor # 7447)
	900942	1	PIN, cotter, 3/32" x 5/8"
	088566	1	PIN, pedal lever rod yoke (Effective with tractor # 7447)
	900942	2	PIN, cotter, 3/32" x 5/8"
9	620099	1	SHAFT, cross
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
10	620094	1	BRACKET, cross shaft
11	035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
12	634503	1	SPRING, cross shaft
13	097646	1	LEVER, cross shaft
14	041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	LOCKWASHER, 5/16"
	913636	1	NUT, 5/16"NF
15	095525	1	LEVER, cross shaft
16	072438	1	SPRING, cross shaft lever
17	620119	1	ROD, control adjustment, rear
	919763	1	NUT, 3/8"NF, left hand thread
18	078810	1	PIN, yoke, rear control rod
	900942	1	PIN, cotter, 3/32" x 5/8"
19	095421	1	NUT, control adjustment
20	620100	1	ROD, control adjustment, front
	911041	1	NUT, 3/8"NF
21	083625	1	PIN, front control rod
	900942	1	PIN, cotter, 3/32" x 5/8"
22	095213	1	BELLCRANK, control rod
	916001	1	PIN, roll, 3/16" x 1"
23	094287	1	ROD, bellcrank to pump
24	628738	2	PIN, yoke, bellcrank to pump rod
	900970	2	PIN, cotter, 1/16" x 1/2"



ENGINE SHUT-OFF CONTROL

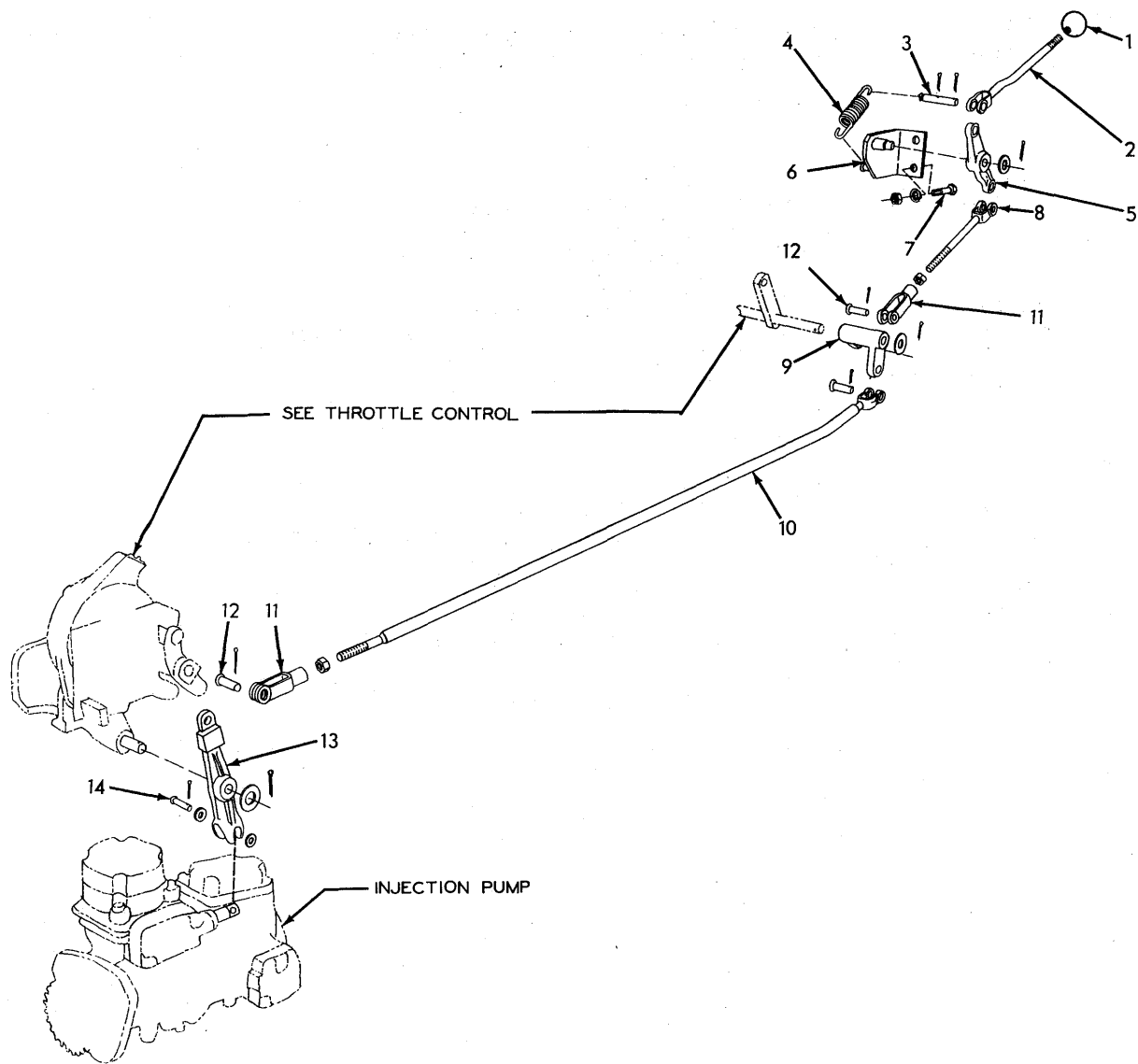
USAGE: Model HD11G tractors prior to serial No. 6427

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	091855	1	KNOB, engine shut-off rod
2	084526	1	ROD, upper
	078810	1	PIN, yoke, 3/8" diam.
	900942	1	PIN, cotter, 3/32" x 5/8"
	911048	2	NUT, jam, 3/8"NF
3	034253	1	SPRING, upper lever
	912177	1	CAPSCREW, 1/4"NF x 1-1/4"
	916933	1	CAPSCREW, 1/4"NF x 2"
	911040	4	NUT, 1/4"NF
4	084729	1	LEVER, upper
5	084741	1	PIN, upper lever
	910967	2	PIN, cotter, 1/8" x 7/8"

(Continued)

ENGINE SHUT-OFF CONTROL (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
6	082875	1	PIN, intermediate rod upper yoke
	900942	1	PIN, cotter, 3/32" x 5/8"
7	078967	1	YOKE, intermediate rod, upper
8	035910	2	SPRING, intermediate rod
9	044973	1	WASHER, intermediate rod
10	084524	1	ROD, intermediate
	911041	1	NUT, 3/8"NF
	916202	1	PIN, roll, 1/8" x 7/8"
	628736	1	YOKE, rod end, adjustable, 3/8"NF
	078810	1	PIN, yoke, 3/8" diam.
	900942	1	PIN, cotter, 3/32" x 5/8"
11	087303	1	LEVER, lower
12	087349	1	ROD, lower
	911040	1	NUT, 1/4"NF
	628737	1	YOKE, rod end, adjustable, 1/4"NF
	628738	1	PIN, yoke, 1/4" diam.
	900970	1	PIN, cotter, 1/16" x 1/2"
	078810	1	PIN, yoke, 3/8" diam.
	900942	1	PIN, cotter, 3/32" x 5/8"



ENGINE SHUT-OFF CONTROL

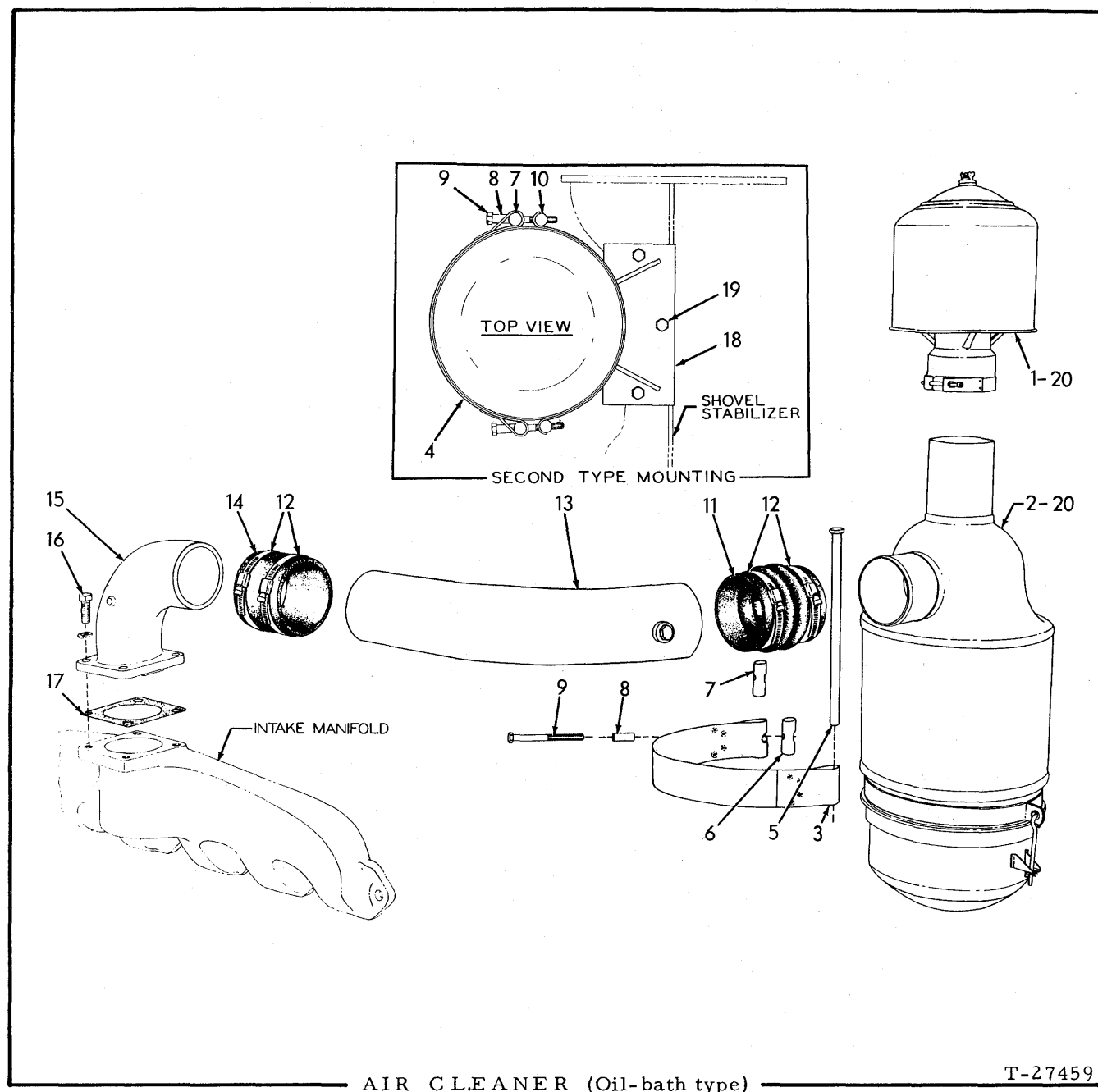
USAGE: Tractors serial No. 6427 and up

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	091855	1	KNOB
2	620111	1	ROD, rear
3	088566	1	PIN, rear rod
	900942	2	PIN, cotter, 3/32" x 5/8"
4	088428	1	SPRING, bellcrank

(Continued)

ENGINE SHUT-OFF CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	094285	1	BELLCRANK, rear
	910244	1	WASHER, plain, SAE std., 1/2"
	910967	1	PIN, cotter, 1/8" x 7/8"
6	097705	1	ANGLE, supporting, rear bellcrank
7	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
8	084526	1	ROD, intermediate
	911041	1	NUT, 3/8"NF
9	620066	1	LEVER, cross shaft
	910244	1	WASHER, plain, SAE std., 1/2"
	900801	1	PIN, cotter, 3/32" x 3/4"
10	620075	1	ROD, front
	911041	1	NUT, 3/8"NF
11	628736	2	YOKE, front and intermediate rod
12	078810	4	PIN, yoke, front and intermediate rod
	900942	4	PIN, cotter, 3/32" x 5/8"
13	094987	1	BELLCRANK, front
	910244	1	WASHER, plain, SAE std., 1/2"
	910967	1	PIN, cotter, 1/8" x 7/8"
14	088470	1	PIN, front bellcrank
	911114	2	WASHER, plain, SAE std., 1/4"
	900970	1	PIN, cotter, 1/16" x 1/2"



USAGE: Standard equipment on tractors prior to serial No. 7481 excluding Nos. 7466 and 7473; optional on later units. See page 101 for dry type cleaner

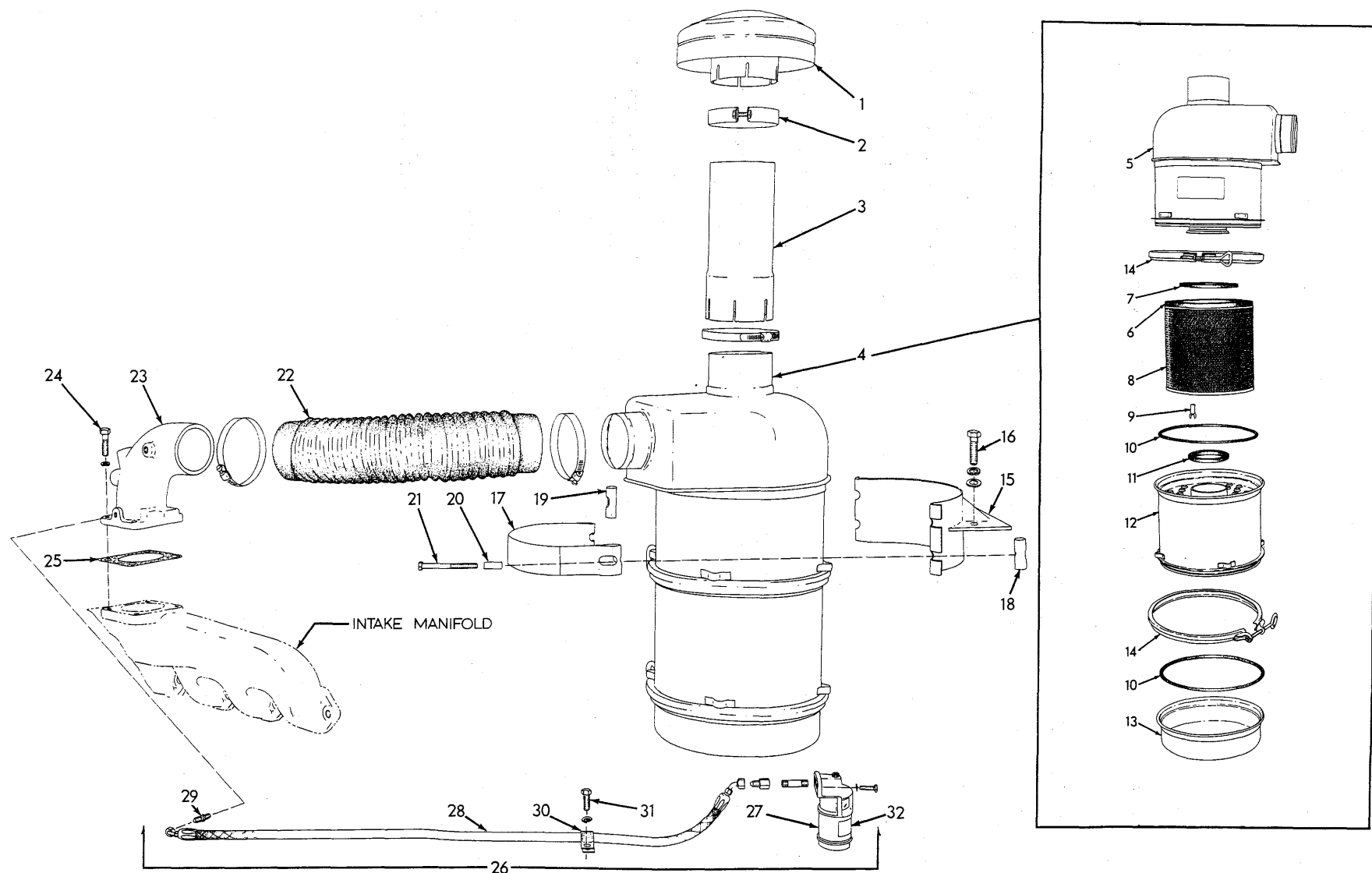
* Tractors prior to serial No 6427
 ** Tractors serial No. 6427 thru 7480
 *** Tractors serial No. 7481 and up

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	074099	1	1	1	PRE-CLEANER ASSEMBLY, air (See page 102 for parts)
2	089646	1	1	1	CLEANER ASSEMBLY, air (See page 102 for parts)

(Continued)

AIR CLEANER (Oil-bath)(Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
3	087385	2	-	-	BAND, air cleaner mounting (3" wide)
	620342	-	2	-	BAND, air cleaner mounting (2" wide)
4	622884	-	-	2	BAND, air cleaner mounting
5	084915	1	1	-	PIN, anchor, mounting band
6	052970	2	2	-	PIN, mounting band (threaded hole, 3" long)
7	052969	2	-	-	PIN, mounting band (plain hole, 3" long)
	081795	-	2	4	PIN, mounting band (plain hole, 2" long)
8	053667	2	2	4	SPACER, mounting band capscrew
9	082937	2	-	-	CAPSCREW, mounting band (3/8"NC x 4-1/2")
	086238	-	2	4	CAPSCREW, mounting band (3/8"NC x 3-3/4")
10	081796	-	-	4	PIN, mounting band (threaded hole, 2" long)
11	084508	1	1	1	HOSE, rear
12	921916	4	4	4	CLAMP, hose, adjustable, 3-7/8" to 4-3/4" diam.
13	084859	1	1	1	TUBE, air
	919840	1	1	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when Engine Primer is installed)
14	084421	1	1	1	HOSE, front
15	084385	1	1	1	ELBOW, air inlet (Also see pages 109, 113 and 117 for special elbow used with Engine Air Heater)
16	035061	4	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	4	4	LOCKWASHER, 1/2"
17	084868	1	1	4	GASKET, air inlet elbow
18	622889	-	-	1	SADDLE, air cleaner
19	035061	-	-	3	CAPSCREW, 1/2"NC x 1-1/4"
	904208	-	-	3	LOCKWASHER, 1/2"
20	-----	-	-	-	TRANSFERS (See PAINTING AND MARKING)



AIR CLEANER (Dry-type)

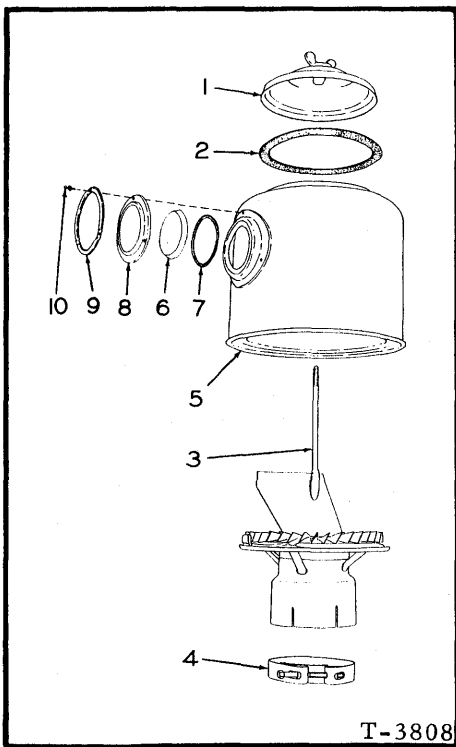
AIR CLEANER (Dry-type)

USAGE: Tractors serial No. 7481 and up including Nos. 7466 and 7473.
See page 98 for optional oil-bath type

ITEM	PART NO.	QTY.	DESCRIPTION
1	621979	1	CAP, rain (Includes item 2)
2	632650	1	CLAMP ASSEMBLY, rain cap (Includes bolt and nut)
3	622685	1	TUBE, air inlet
	921916	1	CLAMP, adjustable, 3-7/8" to 4-3/4" diam.
4	621980	1	CLEANER ASSEMBLY, air (Includes items 5 thru 14)
5	622892	1	BODY, upper
6	-----	1	GASKET, filter element, upper (Not serviced separately)
7	-----	1	GASKET, filter element, lower (Not serviced separately)
8	622893	1	ELEMENT ASSEMBLY, filter (Includes items 6 and 7)
9	620719	3	NUT, wing, element retaining
10	622895	2	GASKET, air pre-cleaner, outer
11	622898	1	GASKET, air pre-cleaner, inner
12	622894	1	PRE-CLEANER ASSEMBLY, air (Serviced only as a unit)
13	622896	1	CUP, dust
14	622897	2	CLAMP ASSEMBLY (Includes screw)
15	622890	1	SADDLE, air cleaner mounting
16	035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
	064531	3	WASHER, plain
17	622884	2	BAND, air cleaner mounting
18	081796	4	PIN, mounting band (threaded hole)
19	081795	4	PIN, mounting band (plain hole)
20	053667	4	SPACER, mounting band capscrew
21	086238	4	CAPSCREW, mounting band (3/8"NC x 3-3/4")
22	622590	1	HOSE, air
	921916	2	CLAMP, adjustable, 3-7/8" to 4-3/4" diam.
23	622432	1	ELBOW, air inlet (Also see page 117 for special elbow used with Engine Air-Heater)
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when Engine Primer is installed)
	919134	1	PLUG, pipe, hex-hd., 1/8"NPT (Not used when Air Restriction Indicator is installed)
24	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
25	084868	1	GASKET, air inlet elbow
26	633826	1	INDICATOR KIT, air restriction (Consists of items 27 thru 31)(Special equipment)
27	631564	1	INDICATOR, air restriction
	912327	2	CAPSCREW, 1/4"NC x 7/8"
	904204	2	LOCKWASHER, 1/4"
28	632147	1	HOSE ASSEMBLY, restriction indicator (See page 6 for parts)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	901468	1	NIPPLE, pipe, 1/8"NPT x 1-1/2"
29	631769	1	FITTING, safety, restriction indicator hose
30	094527	1	CLIP, restriction indicator hose
31	035439	1	CAPSCREW, 3/8"NC x 1"
	904206	1	LOCKWASHER, 3/8"
32	651894	1	TRANSFER, instruction

AIR PRE-CLEANER ASSEMBLY 074099

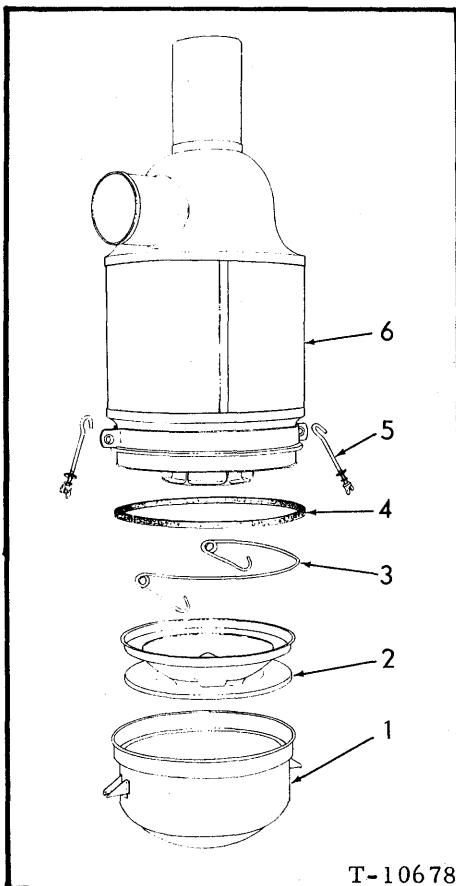
USAGE: See page 98



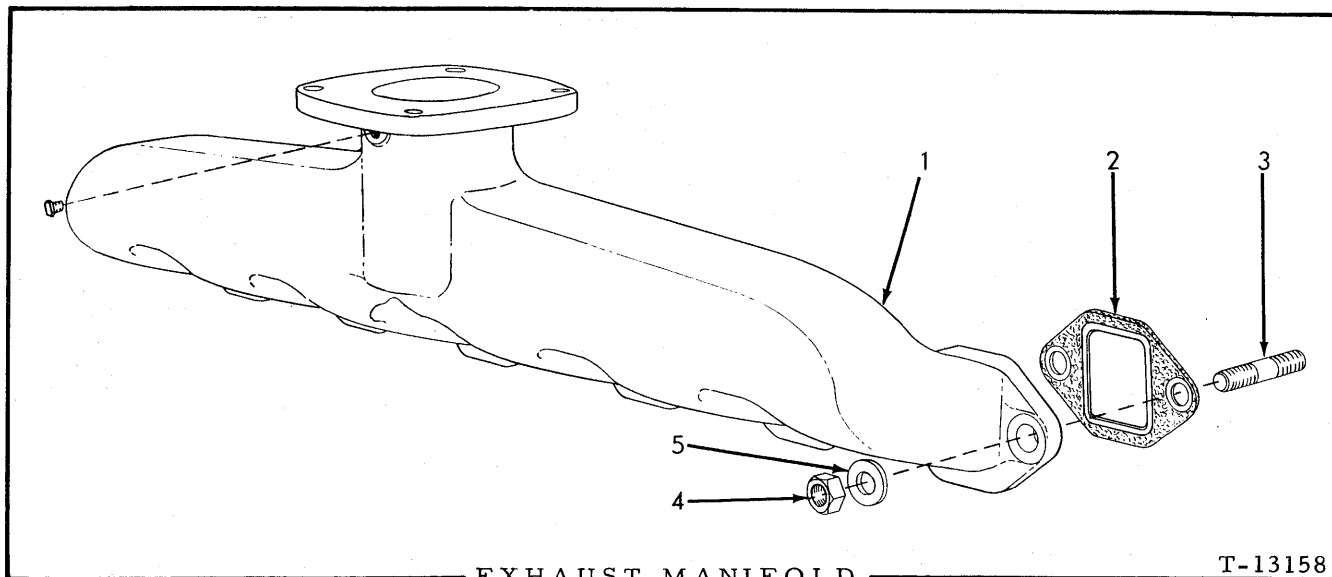
ITEM	PART NO.	QTY.	DESCRIPTION
1	044255	1	CAP ASSEMBLY (Includes wing nut)
2	044256	1	GASKET, cap
3	074100	1	BODY
4	065413	1	CLAMP ASSEMBLY (Includes screw)
5	058723	1	SHELL ASSEMBLY (Includes items 6 thru 10)
6	043860	1	GLASS, window
7	043852	1	GASKET, window glass
8	043853	1	RETAINER, window glass
9	043991	1	RING, window glass retainer
10	043856	3	SCREW ASSEMBLY (Includes lockwasher)

AIR CLEANER ASSEMBLY 089646

USAGE: See page 98



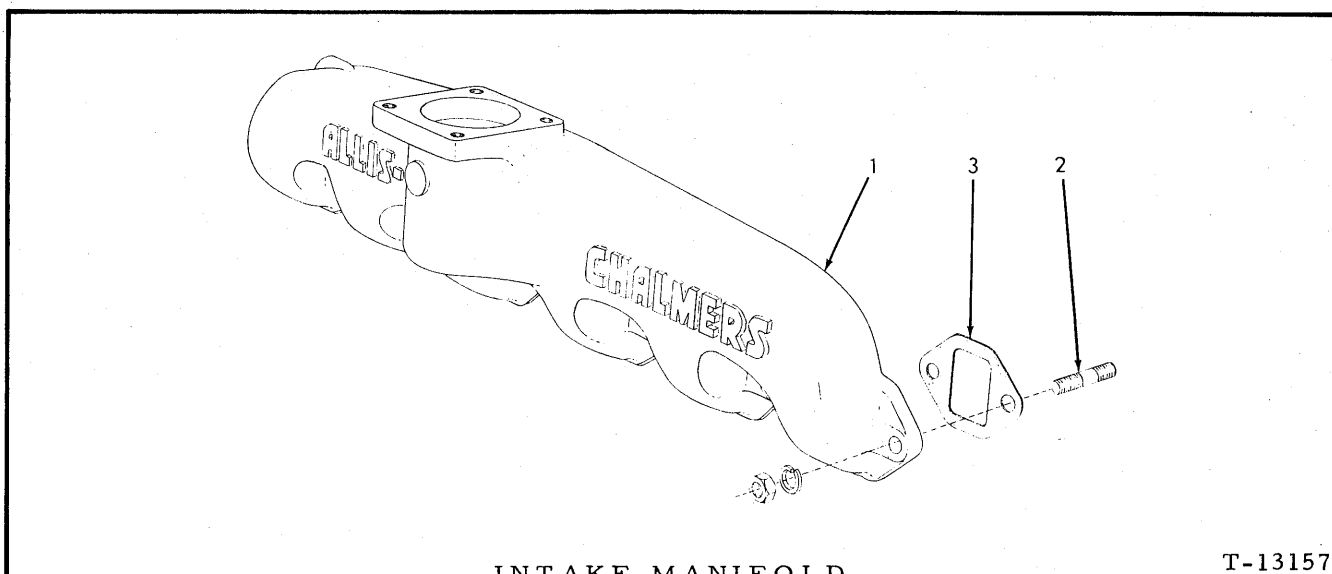
1	073536	1	CUP, oil
2	078904	1	BAFFLE, air
3	059149	1	RING, air baffle retaining
4	059144	1	GASKET, oil cup
5	059294	2	BOLT ASSEMBLY, oil cup (Includes nut and washers)
6	-----	1	BODY (Not serviced separately)



EXHAUST MANIFOLD

T-13158

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339515 919840	1 1	MANIFOLD, exhaust PLUG, pipe, hex-hd., 1/4"NPT
2	4338511	6	GASKET, exhaust manifold
3	4346208	12	STUD, exhaust manifold
4	4253270	12	NUT, manifold stud
5	4371107	12	WASHER, plain, manifold stud nut

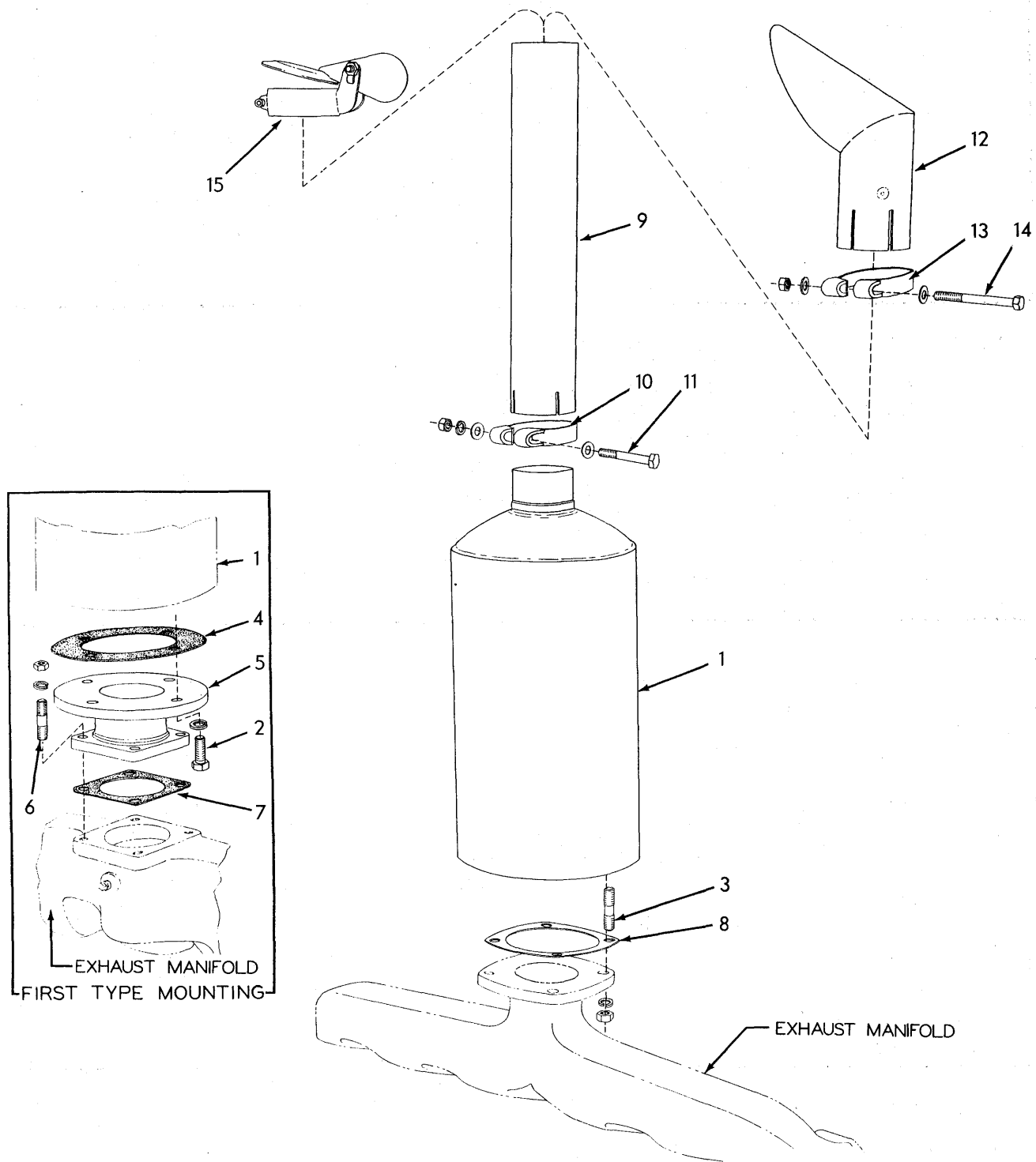


INTAKE MANIFOLD

T-13157

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336202 901652	1 3	MANIFOLD, intake PLUG, pipe, 1/4"NPT (Used prior to engine #10-4995)
2	4346208 904208 910325	12 12 12	STUD, intake manifold LOCKWASHER, 1/2" NUT, 1/2"NC
3	4346138	6	GASKET, intake manifold

Also see PACKAGED PARTS



MUFFLER (First type)

MUFFLER

USAGE: Model HD11G tractors prior to serial No. 6427

* Used prior to tractor serial No. 1192

** Effective with tractor serial No. 1192

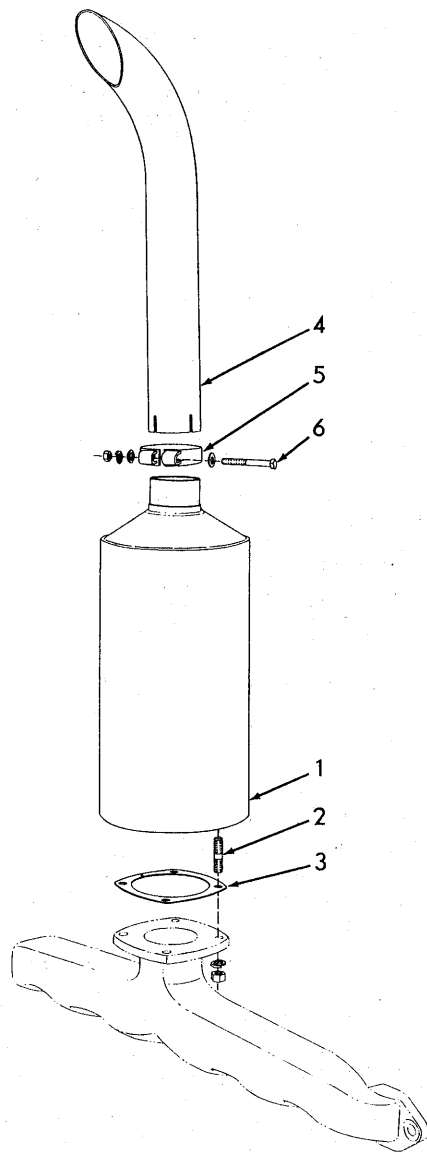
ITEM	PART NUMBER	QTY. * **	DESCRIPTION
------	----------------	--------------	-------------

NOTE: See page 335 for special exhaust pipe extension

1	087748	1	1	MUFFLER
2	035061	4	-	CAPSCREW, 1/2"NC x 1-1/4"
3	4346208	-	4	STUD (1/2" diam.)
	904208	4	4	LOCKWASHER, 1/2"
	917260	-	4	NUT, brass, 1/2"NC
4	084884	1	-	GASKET, muffler to adapter
5	084501	1	-	ADAPTER, muffler to manifold
6	4346208	4	-	STUD (1/2" diam.)
	904208	4	-	LOCKWASHER, 1/2"
	917260	4	-	NUT, brass, 1/2"NC
7	084885	1	-	GASKET, adapter to manifold
8	4366244	-	1	GASKET, muffler to manifold
9	084890	1	1	PIPE, exhaust
10	084887	1	1	CLAMP, exhaust pipe
11	041913	1	1	CAPSCREW, 3/8"NF x 2-7/8"
	911115	2	2	WASHER, plain, SAE std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF

NOTE: The following items are Special Equipment

12	085280	1	1	SHIELD, rain, exhaust pipe
13	084887	1	1	CLAMP, exhaust pipe rain shield
14	053619	1	1	CAPSCREW, 3/8"NF x 3-3/4"
	911115	2	2	WASHER, plain, SAE std., 3/8"
	911041	1	1	NUT, 3/8"NF
15	085088	1	1	RAINCAP, exhaust pipe



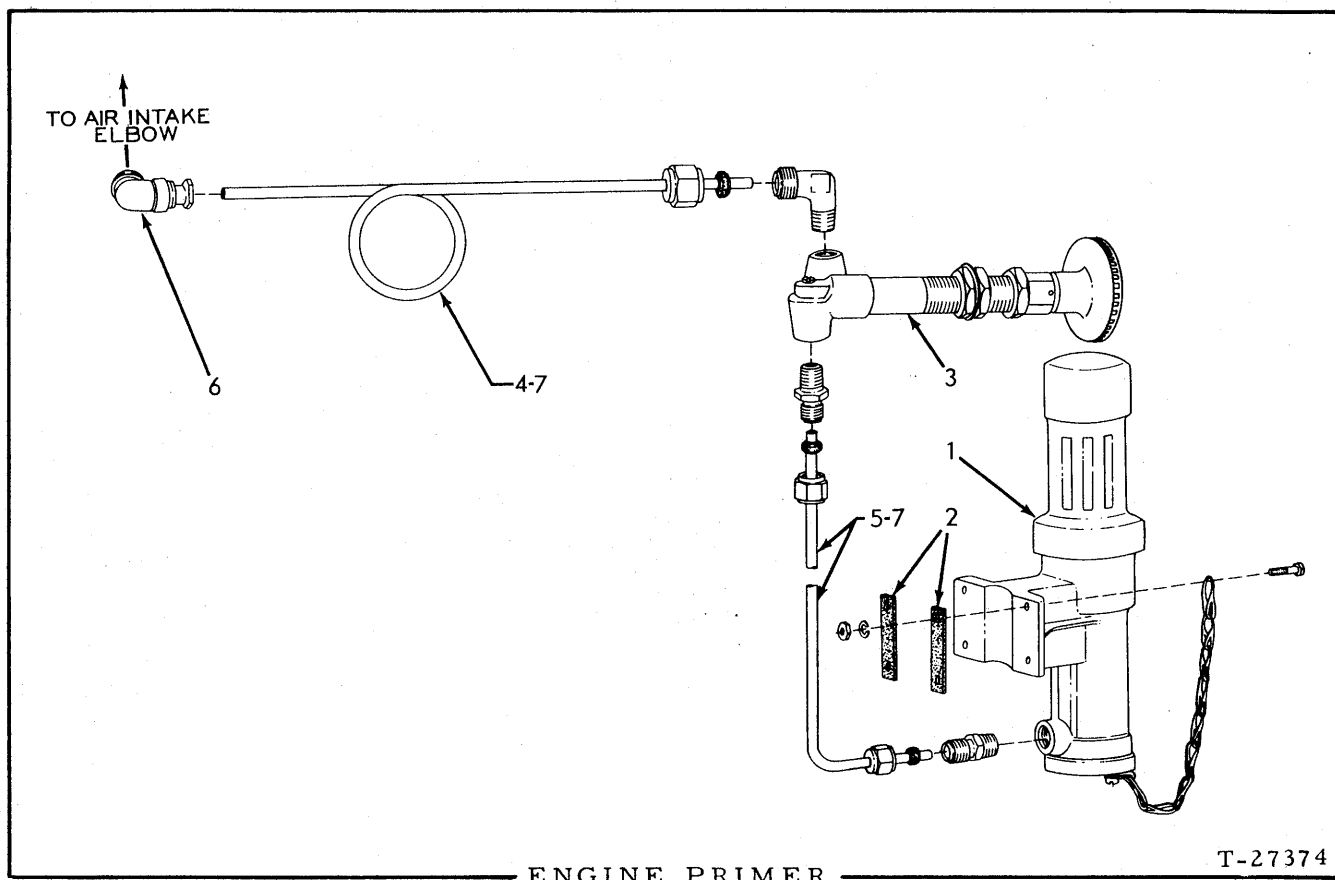
MUFFLER

USAGE: Tractors serial No. 6427 and up

ITEM	PART NUMBER	QTY.	DESCRIPTION
------	----------------	------	-------------

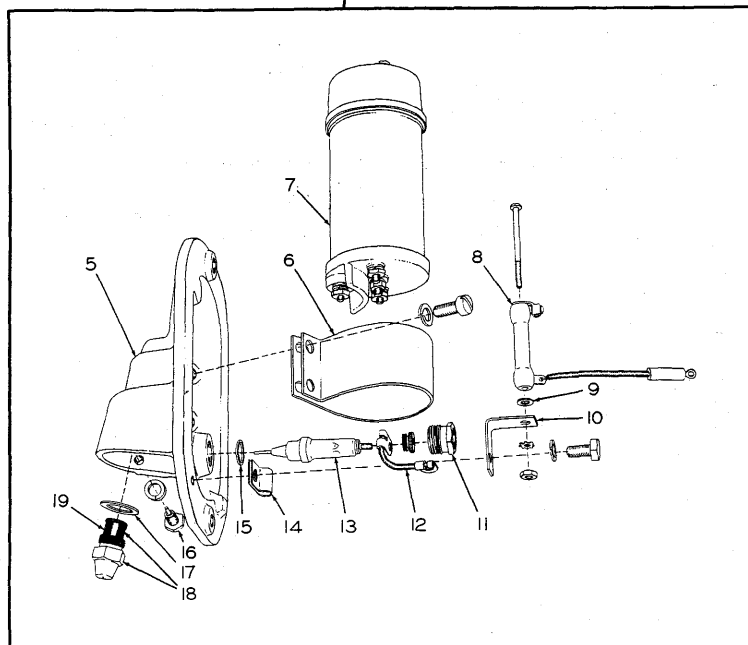
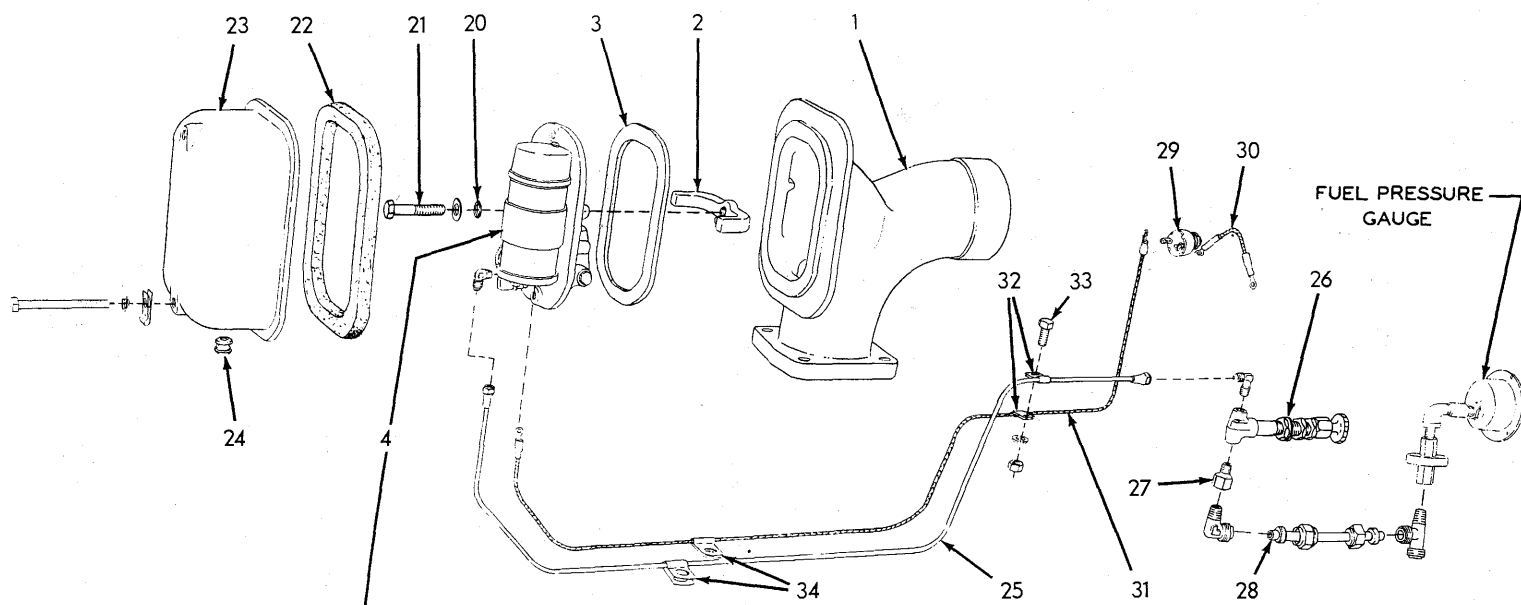
NOTE: See page 335 for special exhaust pipe extension

1	087748	1	MUFFLER
2	4346208	4	STUD (1/2" diam.)
	904208	4	LOCKWASHER, 1/2"
	917260	4	NUT, brass, 1/2"NC
3	4366244	1	GASKET, muffler to manifold
4	620332	1	PIPE, exhaust
5	084887	1	CLAMP, exhaust pipe
6	041913	1	CAPSCREW, 3/8"NF x 2-7/8"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF



USAGE: Special equipment. For all units except those equipped with Air Heater

ITEM	PART NO.	QTY.	DESCRIPTION
1	075771	1	DISPENSER ASSEMBLY, priming fuel (See page 111 for parts)
	913464	4	CAPSCREW, #10-24NC x 7/8"
	904203	4	LOCKWASHER, #10
	901310	4	NUT, #10-24NC
2	066261	6	GASKET, dispenser mounting
3	092160	1	PUMP ASSEMBLY (See page 115 for parts)
4	094698	1	TUBE (18" long. flared end) (Early units only)
	919100	1	NUT, flare type, 1/8" tube
	919099	1	SLEEVE, flare type, 1/8" tube
	919093	1	ELBOW, flare type, 90°, 1/8" tube, 1/8"NPT male
4	-----	1	TUBE (Order item 7)
	915488	1	NUT, Sealastic, 1/8" tube
	915486	1	RING, Sealastic, 1/8" tube (Includes ferrule)
	915557	1	ELBOW, Sealastic, 1/8" tube, 1/8"NPT male
5	094699	1	TUBE ASSEMBLY (18" long. Includes nuts) (Early units only)
	919094	2	CONNECTOR, flare type, 1/8" tube, 1/8"NPT male
5	-----	1	TUBE (Order item 7)
	915488	2	NUT, Sealastic, 1/8" tube
	915486	2	RING, Sealastic, 1/8" tube (Includes ferrule)
	915556	2	CONNECTOR, Sealastic, 1/8" tube, 1/8"NPT male
6	066517	1	ELBOW ASSEMBLY, fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit)
7	066253	1	TUBING, copper, 1/8"O.D., 10 ft. roll (Use as req'd)



AIR HEATER (First type)

AIR HEATER

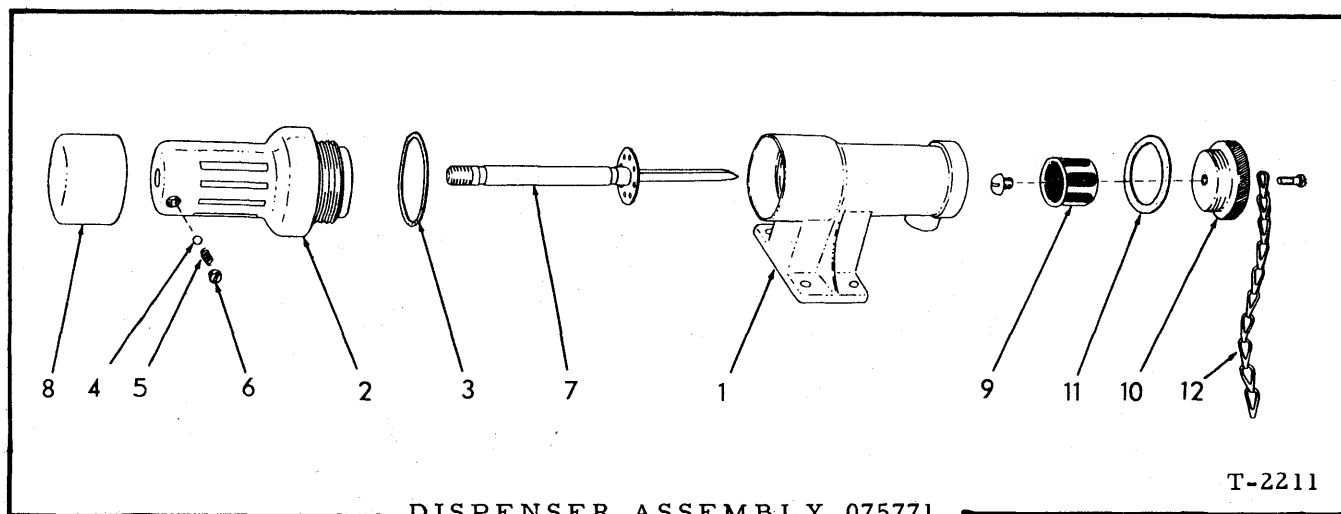
USAGE: Optional Equipment in place of Engine Primer prior to April 1958

ITEM	PART NO.	QTY.	DESCRIPTION
1	086667	1	ELBOW, air intake (Replaces standard air cleaner elbow)
2	5183129	1	CLAMP, air heater
3	5150020	1	GASKET, air heater to air intake elbow
4	075471	1	HEATER ASSEMBLY, engine air (Consists of items 5 thru 19)
5	5153385	1	BODY, air heater
6	631199	1	BRACKET, ignition coil mounting
	912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	2	LOCKWASHER, 1/4"
7	097026	1	COIL, ignition (Serviced only as a unit)
8	630830	1	RESISTOR
	915922	1	SCREW, machine, #8-32 x 2-1/4"
	907154	1	NUT, #8-32
	915923	1	WASHER, external teeth, #8
9	631198	1	WASHER, insulating
10	630829	1	BRACKET, resistor mounting
	919288	1	CAPSCREW, 1/4"NC x 3/8"
	904204	1	LOCKWASHER, 1/4"
11	630828	1	NUT, insulator retaining
12	5154125	1	LEAD, coil to insulator (high tension)
13	631226	1	INSULATOR PACKAGE (Includes terminal nut and item 15)
14	238136	1	CLIP, fuel tube (3/16" diam., 9/32" bolt-hole)
15	631566	1	GASKET, insulator
16	630827	1	SCREW ASSEMBLY, electrode (1 screw, 1 electrode)
	904204	1	LOCKWASHER, 1/4"
17	630787	1	WASHER, spray nozzle
18	631224	1	NOZZLE ASSEMBLY, spray (Includes item 19)
19	631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
20	040400	1	GASKET, heater attaching capscrew
21	013059	1	CAPSCREW, heater attaching (3/8"NC x 2")
	911115	1	WASHER, plain, SAE std., 3/8"
22	5154066	1	GASKET, air heater cover (felt)

(Continued)

AIR HEATER (Continued)

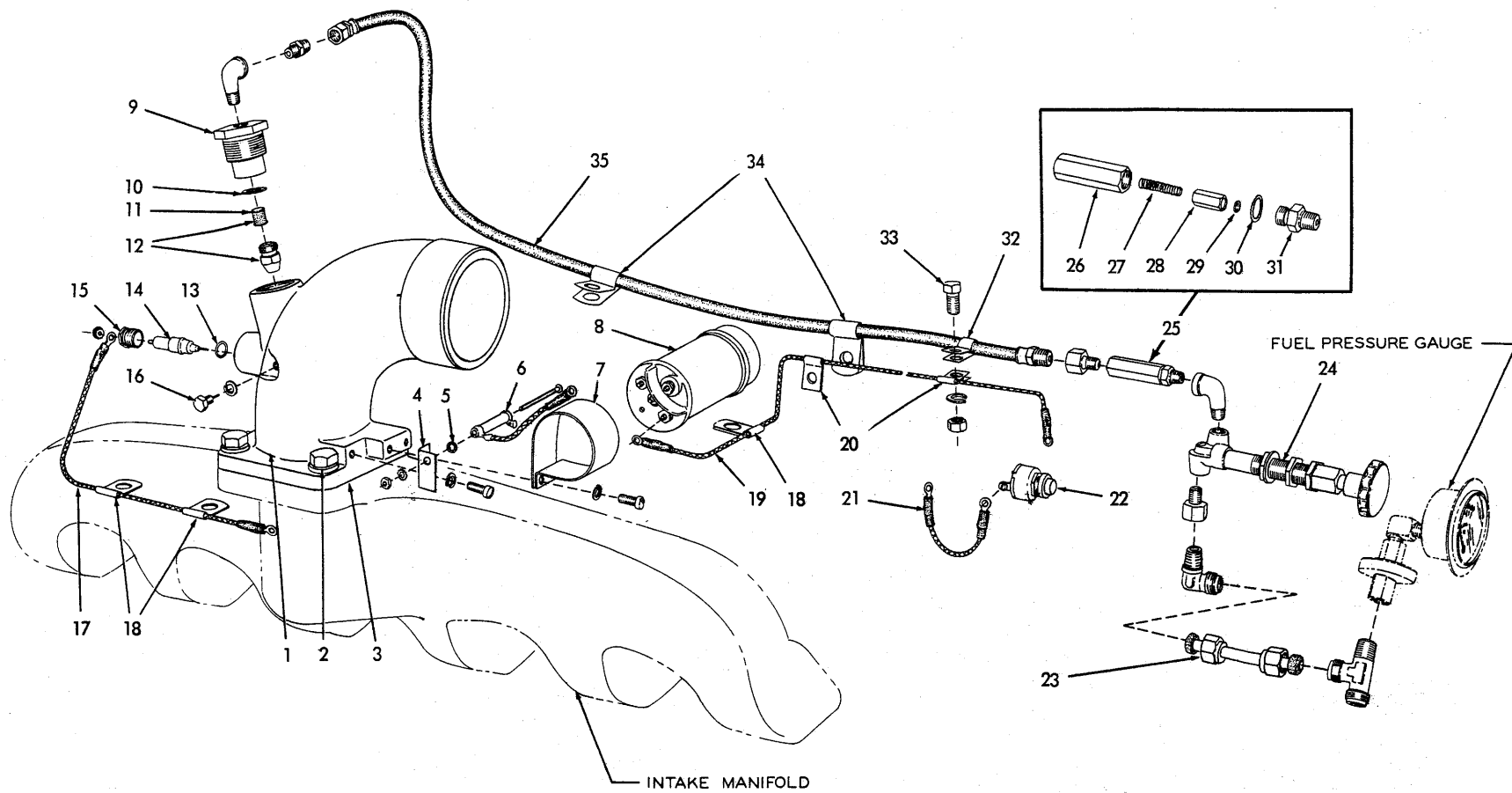
ITEM	PART NO.	QTY.	DESCRIPTION
23	5158071	1	COVER, air heater
	913189	2	CAPSCREW, 5/16"NC x 2-1/2"
	904205	2	LOCKWASHER, 5/16"
24	023176	1	GROMMET, air heater cover (rubber)
25	050767	1	TUBE ASSEMBLY, pump to heater (Includes 2 NUTS 913676)(Used prior to November 1956)
	913676	2	NUT, flare type, 3/16" tube
	910268	2	ELBOW, flare type, 3/16" tube, 1/8"NPT male
	088471	1	HOSE, pump to heater (36" long)(Effective November 1956)
	910161	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	907059	1	ELBOW, street, 90°, 1/8"NPT
	910856	1	ADAPTER, reducing, 1/4"NPT female to 1/8"NPT male
26	092160	1	PUMP ASSEMBLY (See page 115 for parts)
27	910856	1	ADAPTER, reducing (1/4"NPT female to 1/8"NPT male)
28	088483	1	TUBE, pump to fuel pressure gauge line
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915369	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	915859	1	TEE, service, Sealastic, 3/8" tube
29	031337	1	SWITCH, push button (Includes mounting nut)
30	051006	1	CABLE, air heater switch to light switch (4-1/2" long)
31	084520	1	CABLE, switch to air heater (46" long)
32	200479	5	CLIP, tube and cable supporting (3/16" diam., 13/32" bolt-hole)(2 less used effective November 1956)
	040796	1	CLIP, hose supporting (3/8" diam., 13/32" bolt-hole) (Effective November 1956)
33	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
34	223502	2	CLIP, tube and cable supporting (3/16" diam., 17/32" bolt-hole)(1 less used effective November 1956)
	034152	2	CLIP, hose supporting (7/16" diam., 17/32" bolt-hole) (Effective November 1956)



USAGE: See page 107

ITEM PART NO. QTY. DESCRIPTION

1	068878	1	BODY, fuel dispenser
2	068879	1	CHAMBER, fuel dispenser
3	069164	1	GASKET, fuel dispenser chamber
4	905357	1	BALL, steel, 3/16" diam.
5	066251	1	SPRING, plunger locking ball
6	066252	1	PLUG, retaining, locking ball spring
7	066255	1	PLUNGER, fuel dispenser
8	068881	1	KNOB, fuel dispenser plunger
9	068875	1	STRAINER, fuel dispenser
	915432	1	SCREW, machine, 1/4"NC x 5/16"
10	075770	1	PLUG, fuel dispenser strainer
11	068876	1	GASKET, fuel dispenser strainer plug
12	075769	1	CHAIN, strainer plug retaining
	901781	1	SCREW, machine, fil-hd., #10-32NF x 1/2"



- AIR HEATER (Second type)

AIR HEATER

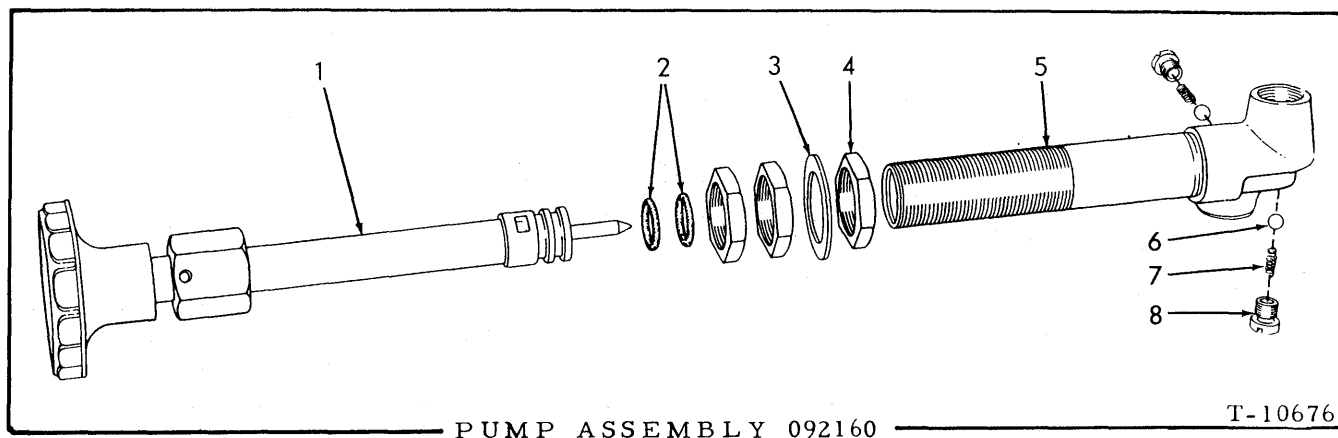
USAGE: Effective April 1958. Used on tractors prior to serial No. 4415 only. Optional equipment in place of Engine Primer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	ELBOW, air intake(Replaces standard air cleaner elbow)(Order 1 each ELBOW 622433, PLUG 901651 and PLUG 901652)
2	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
3	084868	1	GASKET, air intake elbow
4	644133	1	BRACKET, resistor mounting
	912226	1	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
5	631198	1	WASHER, insulating
6	630830	1	RESISTOR
	915922	1	SCREW, machine, #8-32 x 2-1/4"
	915923	1	LOCKWASHER, external teeth, #8
	907154	1	NUT, #8-32
7	631199	1	BRACKET, ignition coil mounting
	912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	2	LOCKWASHER, 1/4"
8	097026	1	COIL, ignition (Serviced only as a unit)
9	088038	1	BUSHING spray nozzle
10	630787	1	WASHER, spray nozzle
11	631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
12	631224	1	NOZZLE ASSEMBLY, spray (Includes item 11)
13	631566	1	GASKET, insulator
14	631226	1	INSULATOR PACKAGE (Includes terminal nut and item 13)
15	630828	1	NUT, insulator retaining
16	630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	904204	1	LOCKWASHER, 1/4"
17	074887	1	CABLE, coil to insulator
18	223502	3	CLIP, cable supporting (3/16" diam., 17/32" bolt-hole)
19	084520	1	CABLE, switch to coil
20	200479	2	CLIP, supporting, switch cable (3/16" diam., 13/32" bolt-hole)
21	051006	1	CABLE, air heater switch to light switch
22	031337	1	SWITCH, push-button
23	088483	1	TUBE, pump to fuel pressure gauge line
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	915369	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	915859	1	TEE, service, Sealastic, 3/8" tube

(Continued)

AIR HEATER (Continued)

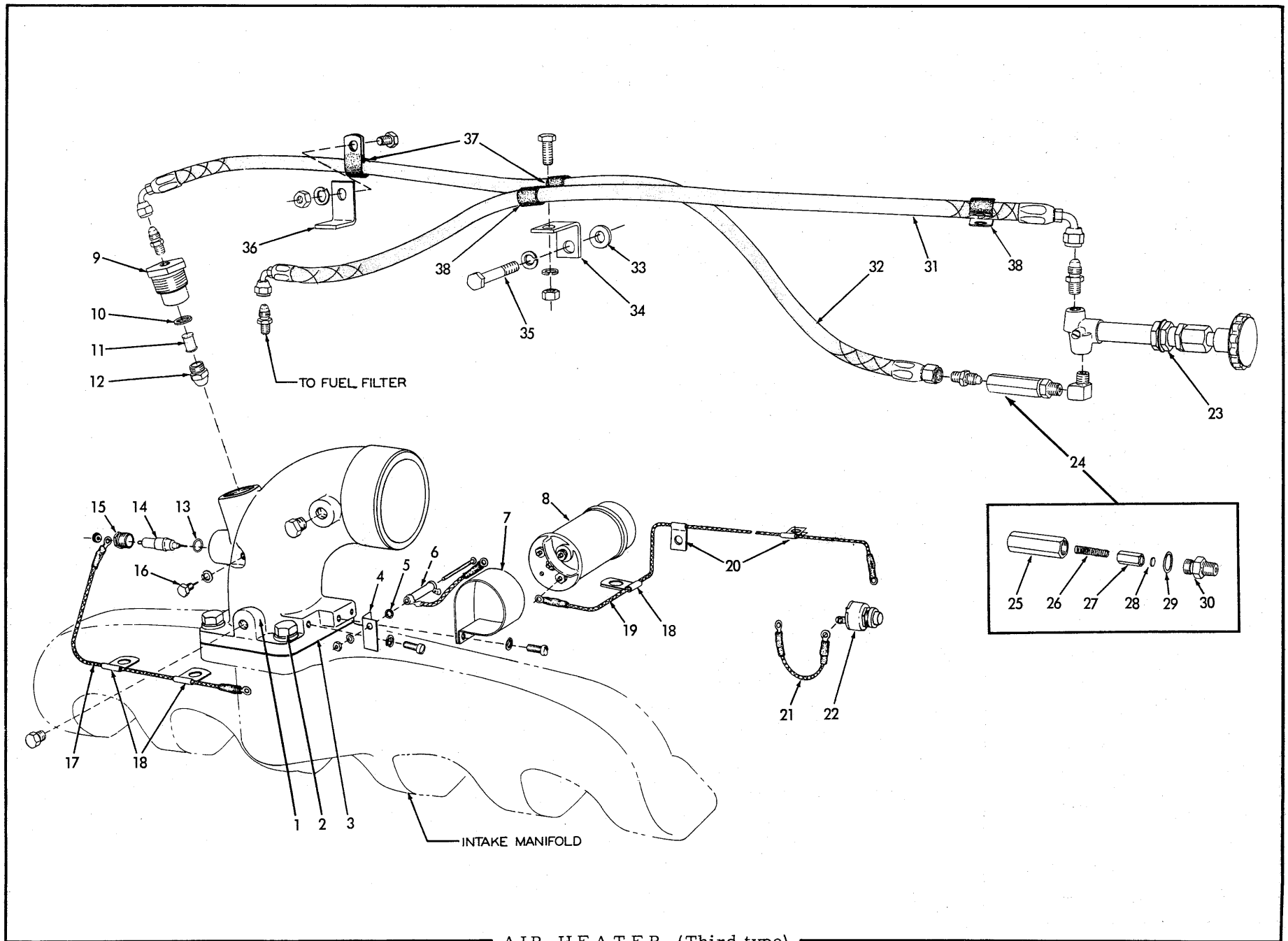
ITEM	PART NUMBER	QTY.	DESCRIPTION
24	092160	1	PUMP ASSEMBLY (See page 115 for parts)
	907059	1	ELBOW, street, 90°, 1/8"NPT
	910856	1	ADAPTER, reducing, 1/4"NPT female to 1/8"NPT male
25	094642	1	VALVE ASSEMBLY, check (Consists of items 26 thru 31)
26	094890	1	BODY, check valve
27	048603	1	SPRING, check valve
28	048608	1	PLUNGER, check valve
29	048606	1	DISC, check valve
30	630713	1	WASHER, check valve
31	092793	1	CONNECTOR, check valve
32	040796	1	CLIP, hose supporting (3/8" diam., 13/32" bolt-hole)
33	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
34	034152	2	CLIP, hose supporting (7/16" diam., 17/32" bolt-hole)
35	088471	1	HOSE, pump to nozzle
	907059	1	ELBOW, street, 90°, 1/8"NPT
	910141	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	910856	1	ADAPTER, reducing, 1/4"NPT female to 1/8"NPT male



USAGE: See pages 107, 109, 113 and 117

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	PISTON ASSEMBLY (Not serviced separately)
2	923560	2	O-RING, plunger
3	066873	1	WASHER, mounting
4	066872	3	NUT, mounting
5	-----	1	BARREL ASSEMBLY (Not serviced separately)
6	066876	2	BALL, check valve (5/32" diam.)
7	066875	2	SPRING, check valve
8	066874	2	RETAINER, check valve



AIR HEATER (Third type)

AIR HEATER

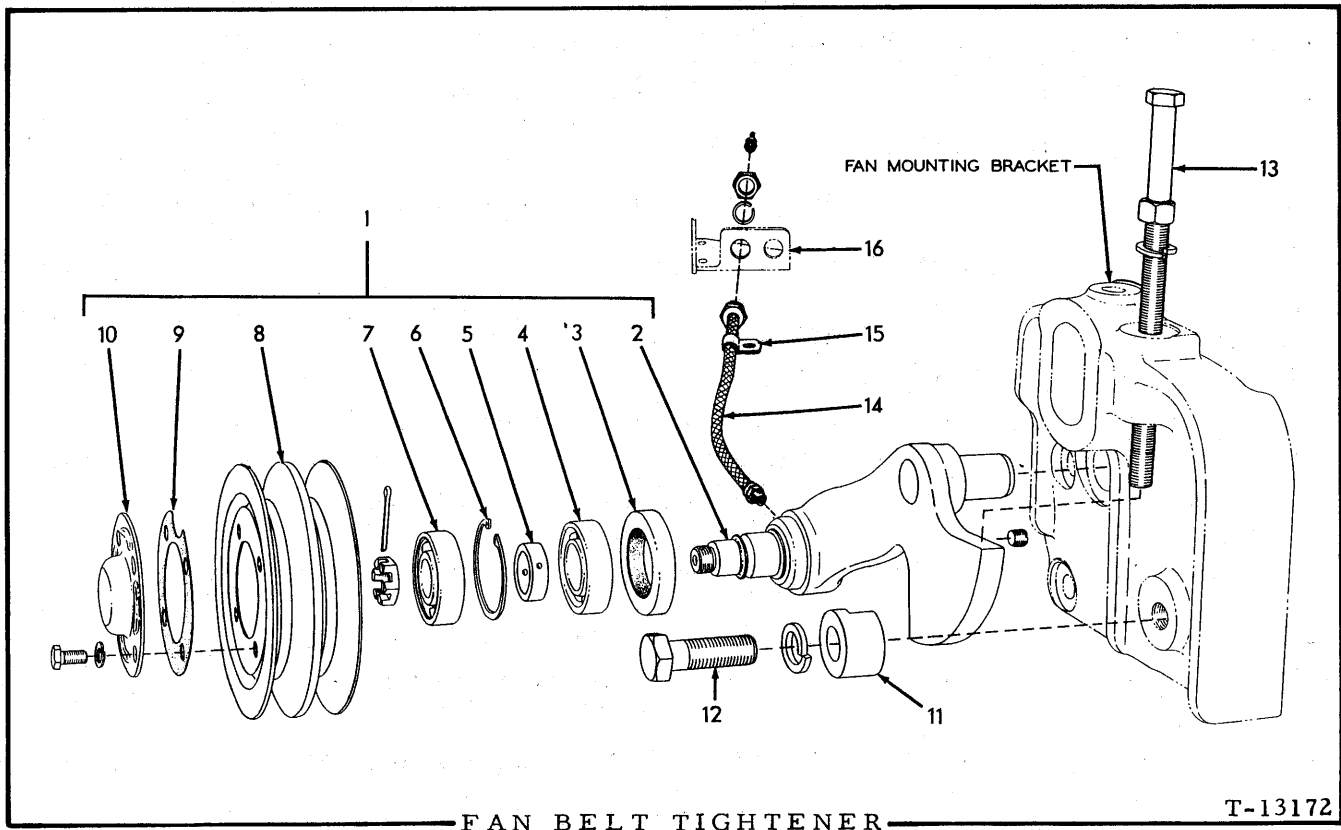
USAGE: Effective with tractor serial No. 4415. Optional equipment in place of Engine Primer

ITEM	PART NO.	QTY.	DESCRIPTION
1	622433	1	ELBOW, air intake (Replaces standard air cleaner elbow) (If for tractors prior to #6473, also order PLUG 901651 and PLUG 901652)
	901651	1	PLUG, pipe, 1/8"NPT
	901652	1	PLUG, pipe, 1/4"NPT
2	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
3	084868	1	GASKET, air intake elbow
4	644133	1	BRACKET, resistor mounting
	912226	1	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
5	631198	1	WASHER, insulating
6	630830	1	RESISTOR
	915922	1	SCREW, machine, #8-32 x 2-1/4"
	915923	1	LOCKWASHER, external teeth, #8
	907154	1	NUT, #8-32
7	631199	1	BRACKET, ignition coil mounting
	912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	2	LOCKWASHER, 1/4"
8	097026	1	COIL, ignition (Serviced only as a unit)
9	088038	1	BUSHING, spray nozzle
10	630787	1	WASHER, spray nozzle
11	631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
12	631224	1	NOZZLE ASSEMBLY, spray (Includes item 11)
13	631566	1	GASKET, insulator
14	631226	1	INSULATOR PACKAGE (Includes terminal nut and item 13)
15	630828	1	NUT, insulator retaining
16	630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	904204	1	LOCKWASHER, 1/4"
17	074887	1	CABLE, coil to insulator
18	223502	3	CLIP, cable supporting (3/16" diam., 17/32" bolt-hole)
19	084520	1	CABLE, switch to coil
20	200479	2	CLIP, supporting, switch cable (3/16" diam., 13/32" bolt-hole)
21	051006	1	CABLE, air heater switch to light switch (Used prior to tractor #6473)
22	031337	1	SWITCH, push-button (Used prior to tractor #6473)
23	092160	1	PUMP ASSEMBLY (See page 111 for parts)
	915399	1	ELBOW, street, brass, 90°, 1/8"NPT
24	094642	1	VALVE ASSEMBLY, check (Consists of items 25 thru 30)

(Continued)

AIR HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	094890	1	BODY, check valve
26	048603	1	SPRING, check valve
27	048608	1	PLUNGER, check valve
28	048606	1	DISC, check valve
29	630713	1	WASHER, check valve
30	092793	1	CONNECTOR, check valve
31	096138	1	HOSE ASSEMBLY, fuel filter to pump (See page 6 for parts)
	919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
32	094674	1	HOSE ASSEMBLY, pump to nozzle (See page 6 for parts)
	919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
33	044973	1	WASHER, spacing, supporting angle
34	094867	1	ANGLE, hose and cable supporting
35	058936	1	CAPSCREW, 3/8"NC x 2-3/4" (Replaces standard capscREW on engine breather)
	904206	1	LOCKWASHER, 3/8"
36	094875	1	ANGLE, hose supporting
37	094527	3	CLIP, supporting, pressure hose
	036032	2	CAPSCREW, 3/8"NF x 3/4"
	035167	1	CAPSCREW, 3/8"NF x 7/8"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF
38	094527	2	CLIP, supporting, suction hose (1/2" diam.)(Tractors prior to #8941)
	644006	2	CLIP, supporting, suction hose (9/16" diam.)(Tractors #8941 and up)

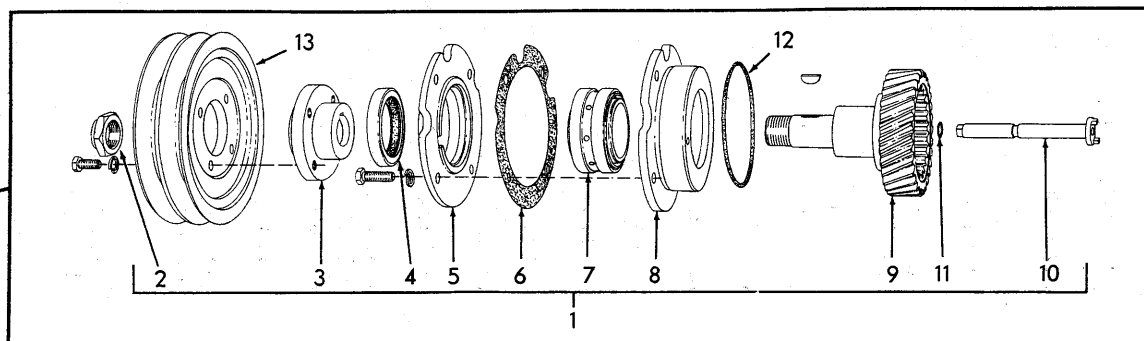
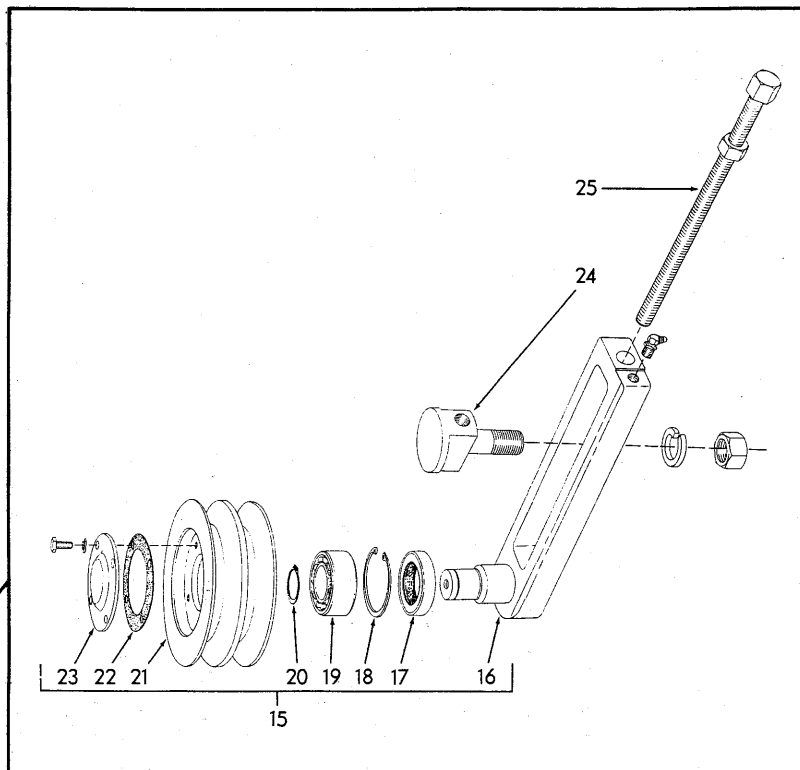
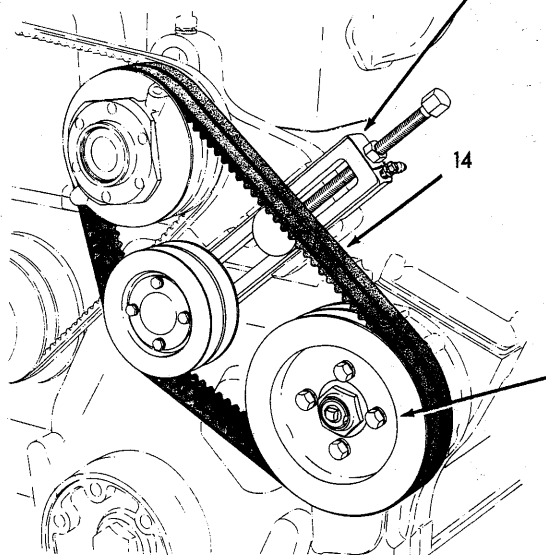


FAN BELT TIGHTENER

USAGE: Engines prior to serial No. 10-4855

ITEM PART NO. QTY. DESCRIPTION

1	4348419	1	PULLEY ASSEMBLY, fan belt tightener (Consists of items 2 thru 10)
2	4348420	1	ARM ASSEMBLY (Includes PLUG and FITTING indented below)
	910230	1	PLUG, pipe, slotted-hd., 1/8"NPT
	914465	1	FITTING, lubricating, straight, 1/8"NPT (Used prior to tractor #994)
	913470	1	NUT, jam, slotted, 5/8"NF
	900807	1	PIN, cotter, 1/8" x 1-1/4"
3	4253765	1	SEAL, oil
4	4253862	1	BEARING, ball, rear
5	4348121	1	SPACER, bearing
6	4252137	1	RING, snap, pulley retaining
7	042979	1	BEARING, ball, front
8	4348421	1	PULLEY
9	4348122	1	GASKET, pulley cover
10	4348118	1	COVER, pulley
	915809	4	CAPSCREW, 5/16"NC x 3/4"
	904205	4	LOCKWASHER, 5/16"
11	4348442	1	CLAMP, locking
12	4347842	1	CAPSCREW, locking clamp (5/8"NC x 2")
	904209	1	LOCKWASHER, 5/8"
13	4348205	1	SCREW, belt adjustment (1/2"NC x 8")
	904208	1	LOCKWASHER, 1/2"
	910510	1	NUT, jam, 1/2"NC
14	045507	1	HOSE, fan belt tightener lubrication (Effective with tractor #994)
	915276	1	FITTING, lubricating, 90°, 1/8"NPT
	904209	1	LOCKWASHER, 5/8"
	911049	1	NUT, jam, 5/8"NF
15	040796	1	CLIP, hose supporting (Effective with tractor #994)
16	-----	1	BRACKET (See GENERATOR)



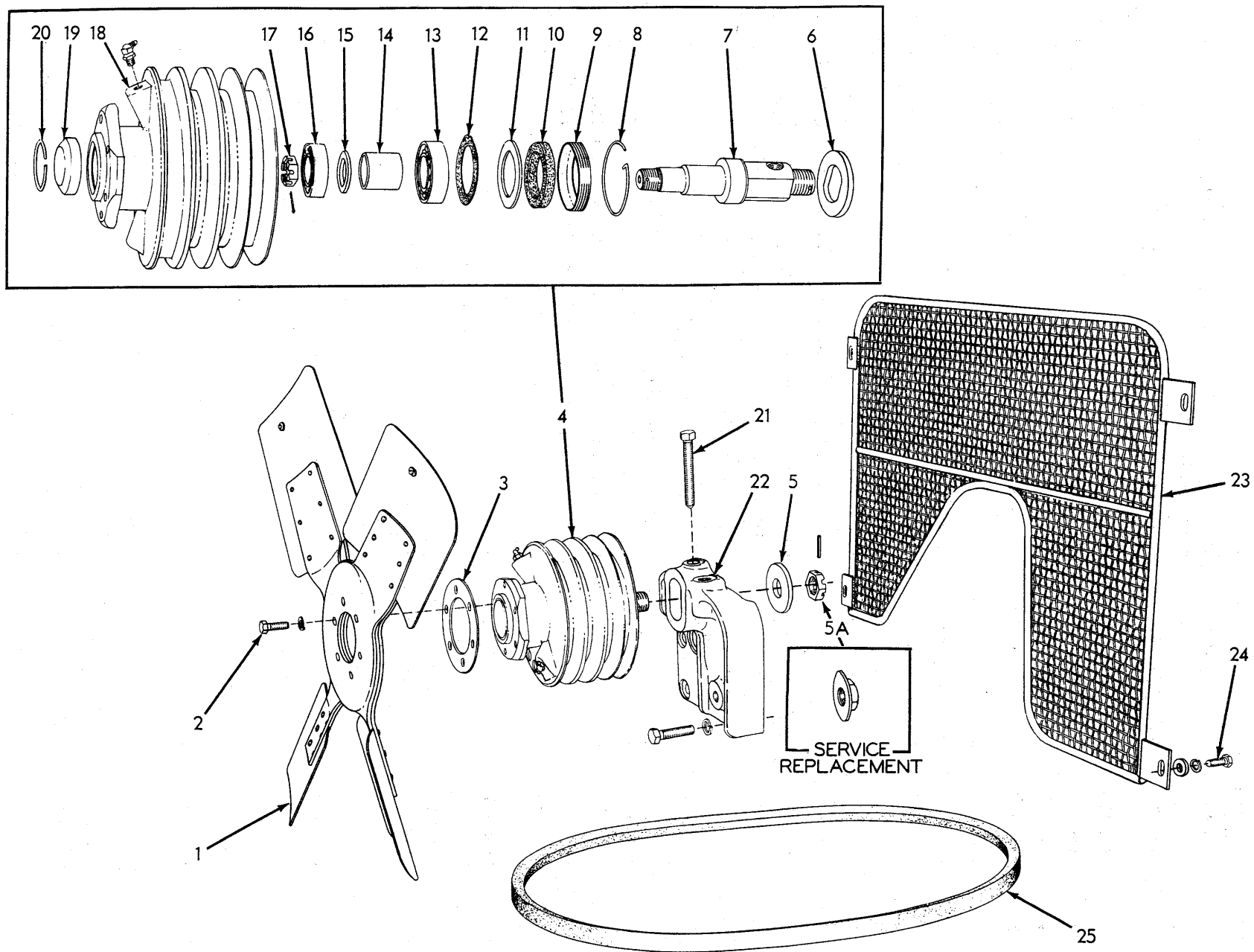
FAN DRIVE

FAN DRIVE

USAGE: Effective with engine serial No. 10-4855

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336259	1	DRIVE ASSEMBLY (Consists of items 2 thru 11)(Used prior to engine #10-6779)
	4337416	1	DRIVE ASSEMBLY (hardened gear)(Consists of items 2 thru 11)(Effective with engine #10-6779)
2	4335476	1	NUT, flange retaining
3	4336257	1	FLANGE, pulley mounting
4	4349736	1	SEAL, oil
5	4349674	1	FLANGE, seal retaining
	916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
6	4349011	1	□ GASKET, seal retaining flange
7	4253825	1	BEARING, roller
8	4349014	1	RETAINER, bearing
9	4335443	1	GEAR, fan drive (Used prior to engine #10-6779)
	4337189	1	GEAR, fan drive (hardened)(Effective with engine #10-6779)
	917755	1	KEY, #91 woodruff, 1/4" x 3/4"
10	-----	1	SHAFT, pump timing
11	-----	1	O-RING, pump timing shaft
12	923589	1	□ O-RING, drive mounting
13	4336258	1	PULLEY, fan drive
	916225	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
14	4349778	2	BELT, fan drive (Supplied in matched sets)(Model HD11G)
	4337757	2	BELT, fan drive (Supplied in matched sets)(Model HD11GC)
15	4349660	1	IDLER ASSEMBLY, belt tightening (Consists of item 16 thru 23)
16	4336587	1	SLIDE, fan idler
	915275	1	FITTING, lubricating, 65°, 1/8"NPT
17	4254670	1	SEAL, oil
18	4254100	1	RING, snap, rear
19	4255031	1	BEARING, ball
20	4254673	1	RING, snap, front (Beveled type)(Used prior to engine #11-5656)
	4253555	1	RING, snap, front (Straight type)(Effective with engine #11-5656)
21	4349662	1	PULLEY
22	4347752	1	GASKET, pulley cover
23	4347751	1	COVER, pulley
	915343	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"
24	4349666	1	BOLT, clamping, fan idler slide
	904369	1	LOCKWASHER, 3/4"
	910175	1	NUT, 3/4"NF
25	4349667	1	CAPSCREW, fan belt adjustment
	910325	1	NUT, 1/2"NC

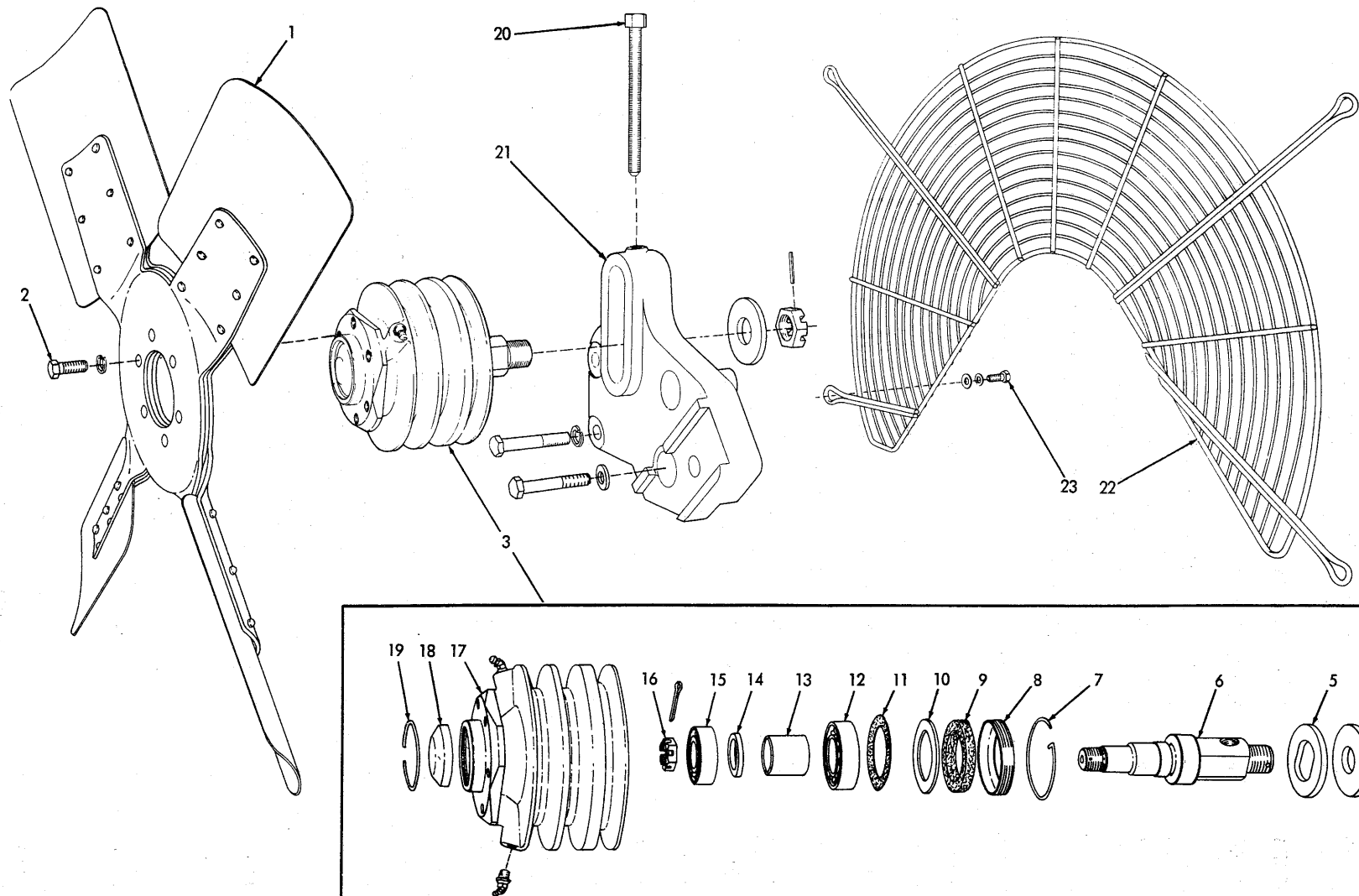
□Also see PACKAGED PARTS



FAN

USAGE: Engines prior to serial No. 10-4855

ITEM	PART NO.	QTY.	DESCRIPTION
1	085288	1	FAN (Push type)
2	044249	6	CAPSCREW, 3/8"NC x 1-1/8"
	904206	6	LOCKWASHER, 3/8"
3	098324	1	SPACER, fan
4	4339464	1	HUB ASSEMBLY (Consists of items 6 thru 20)
5	4371703	1	WASHER, plain, spindle clamping, rear
5A	911174	1	NUT, jam, slotted, 1"NF PIN, roll, 5/32" x 1-1/4" } Original equipment
	915946	1	
	4339459	1	NUT, flanged (Service replacement. Discard WASHER 4371703 when installing)
6	4056232	1	WASHER, plain, spindle clamping, front
7	4056068	1	SPINDLE (When making first replacement also order NUT 4339459)
8	4371707	1	LOCKWIRE, snap, fan hub
9	4040386	1	RETAINER, spindle sealing washer
10	4040385	1	WASHER, spindle sealing (cork)
11	4040384	1	WASHER, retaining, rear bearing
12	4640976	1	GASKET, bearing retaining washer
13	4253863	1	BEARING, ball, rear
14	4040383	1	SPACER, spindle bearings
15	4640978	1	WASHER, spacing, front bearing
16	4253862	1	BEARING, ball, front
17	4348502	1	NUT, spindle
	911064	1	PIN, cotter, 1/8" x 1-3/8"
18	4337046	1	HUB, fan
	914465	1	FITTING, lubricating, straight, 1/8"NPT (Used prior to engine #93088)
	915274	2	FITTING, lubricating, 45°, 1/8"NPT (Effective with engine #93088)
19	088561	1	CAP, hub
20	4042081	1	RING, snap, cap retaining (Effective with engine #93088)
21	4003603	1	SCREW, fan belt adjustment
22	4348423	1	BRACKET, fan mounting
	916314	4	CAPSCREW, 1/2"NC x 2"
	904208	4	LOCKWASHER, 1/2"
23	-----	1	GUARD, fan (Order GUARD 098166)
24	036034	4	CAPSCREW, 3/8"NF x 1"
	044973	4	WASHER, plain
	904206	4	LOCKWASHER, 3/8"
25	4335452	2	BELT, fan driving (Furnished in matched pairs)



FAN (Second type)

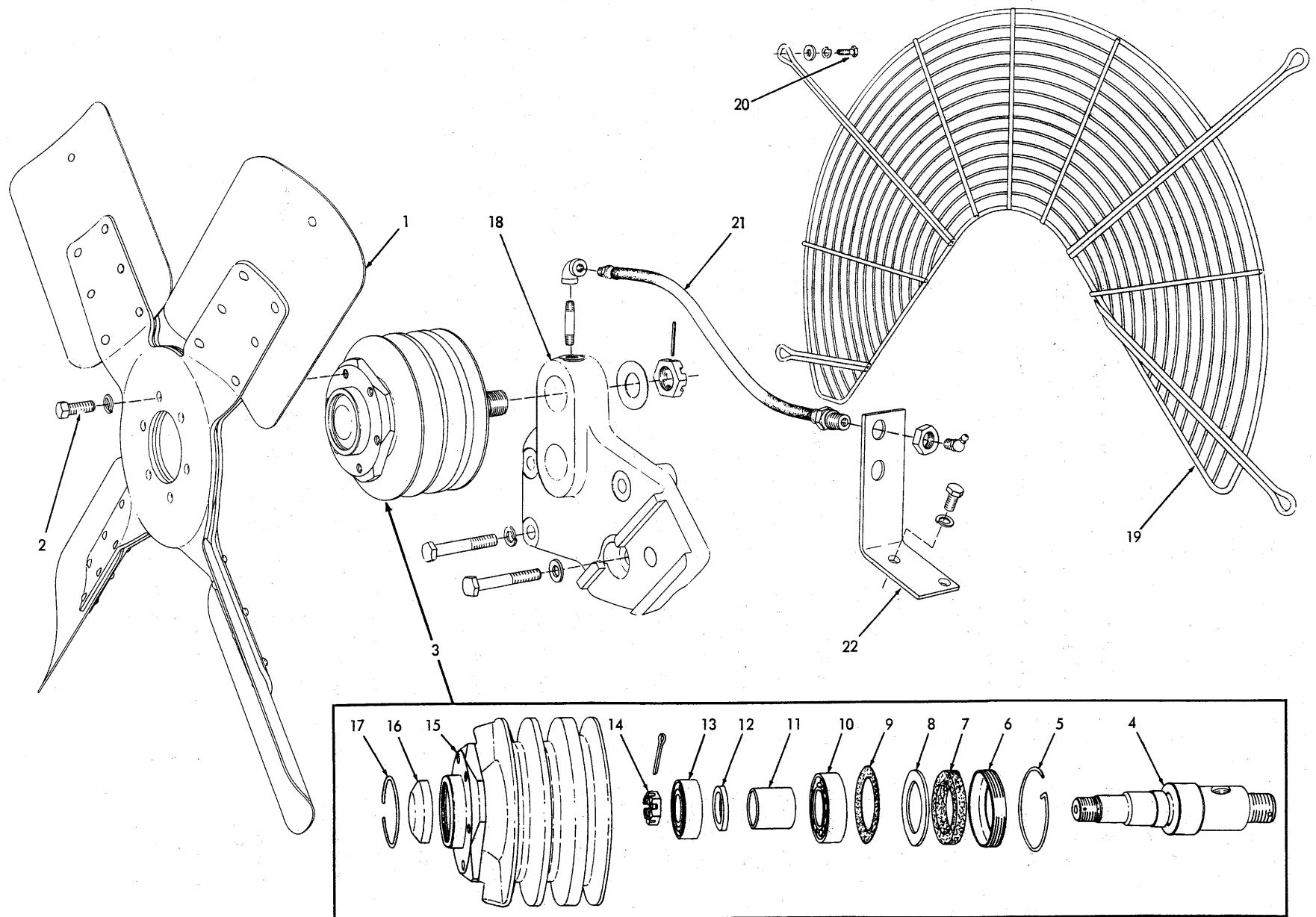
FAN

USAGE: Engines serial No. 10-4855 thru 10-5895

ITEM PART NO. QTY. DESCRIPTION

NOTE: See FAN DRIVE for fan belt

1	085288	1	FAN (Push type)
2	035439	6	CAPSCREW, 3/8"NC x 1"
	904206	6	LOCKWASHER, 3/8"
3	4349668	1	HUB ASSEMBLY (Consists of items 4 thru 19)
4	4371703	1	WASHER, plain, spindle clamping, rear
5	4056232	1	WASHER, plain, spindle clamping, front
6	4349670	1	SPINDLE
	911174	1	NUT, jam, slotted, 1"NF (rear)
	915946	1	PIN, roll, 5/32" x 1-1/4"
7	4371707	1	LOCKWIRE, snap, fan hub
8	4040386	1	RETAINER, spindle sealing washer
9	4040385	1	WASHER, spindle sealing (cork)
10	4040384	1	WASHER, retaining, rear bearing
11	4640976	1	GASKET, bearing retaining washer
12	4253863	1	BEARING, ball, rear
13	4040383	1	SPACER, spindle bearings
14	4640978	1	WASHER, spacing, front bearing
15	4253862	1	BEARING, ball, front
16	4348502	1	NUT, spindle
	911064	1	PIN, cotter, 1/8" x 1-3/8"
17	4349669	1	HUB, fan
	915274	2	FITTING, lubricating, 45°, 1/8"NPT
18	088561	1	CAP, hub
19	4042081	1	RING, snap, cap retaining
20	4349671	1	SCREW, fan adjustment
21	-----	1	BRACKET, fan mounting (Order BRACKET 4336522)
	915969	4	CAPSCREW, 1/2"NC x 3"
	904208	3	LOCKWASHER, 1/2"
	913432	1	WASHER, plain
22	098166	1	GUARD, fan
23	036034	4	CAPSCREW, 3/8"NF x 1"
	044973	4	WASHER, plain
	904206	4	LOCKWASHER, 3/8"



FAN (Third type)

FAN

USAGE: Effective with engine serial No. 10-5896

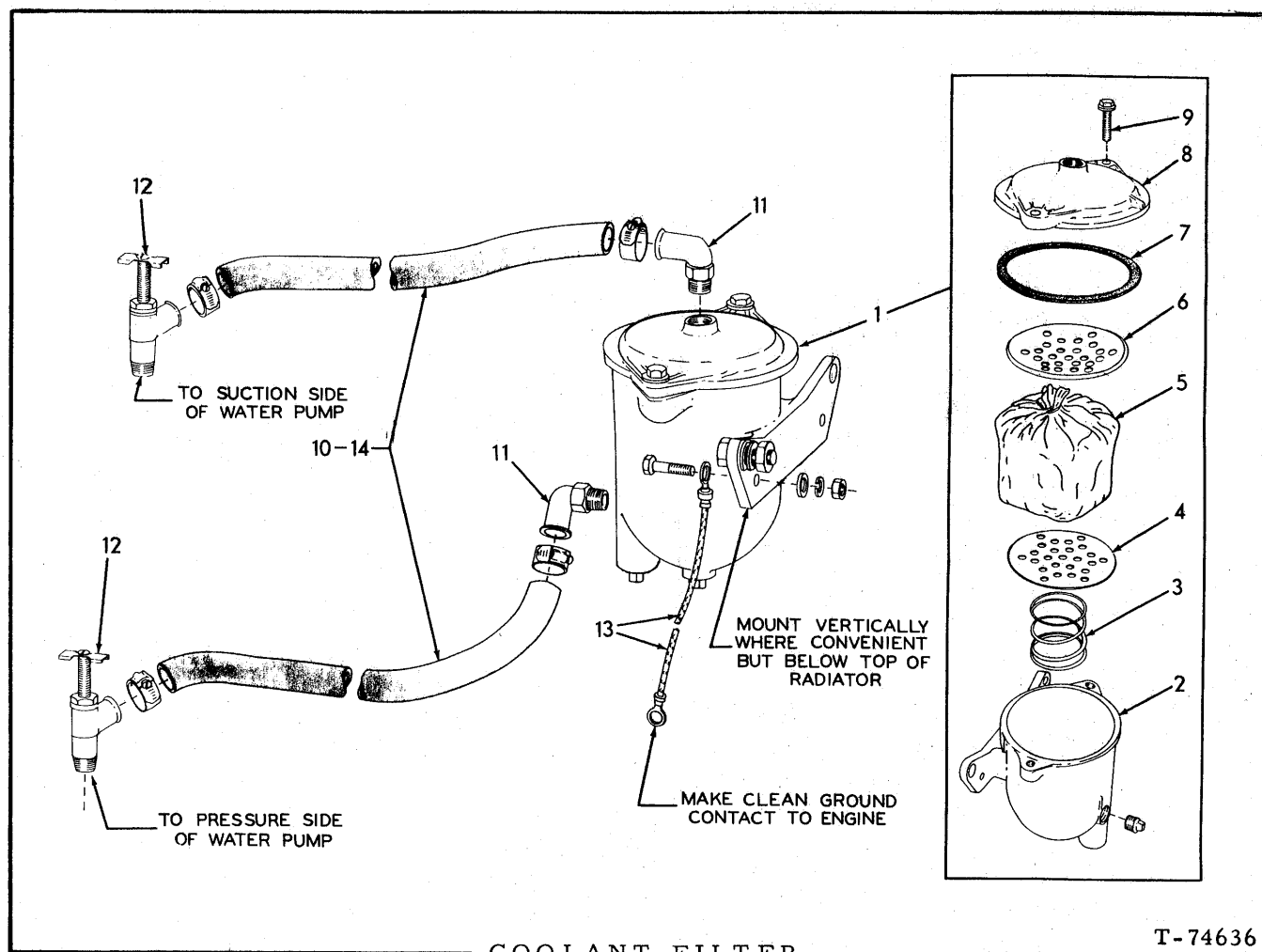
* Model HD11G
 ** Model HD11GC

ITEM	PART NO.	QTY. * **	DESCRIPTION
NOTE: See FAN DRIVE for fan belt			
1	085288	1 -	FAN (Push type, 4-blade)
	648751	- 1	FAN (Push type, 6-blade) (Standard)
	648752	- 1	FAN (Suction type, 6-blade) (Special)
2	035439	6 6	CAPSCREW, 3/8"NC x 1"
	904206	6 6	LOCKWASHER, 3/8"
3	4336520	1 -	HUB ASSEMBLY (Consists of items 4 thru 17)
	4337728	- 1	HUB ASSEMBLY (Consists of items 4 thru 17)
	911174	1 1	NUT, jam, slotted, 1"NF (rear)
	911159	1 1	WASHER, plain, SAE std., 1"
	915946	1 1	PIN, roll, 5/32" x 1-1/4"
4	4336521	1 1	SPINDLE
5	4371707	1 1	LOCKWIRE, snap, fan hub
6	4040386	1 1	RETAINER, spindle sealing washer
7	4040385	1 1	WASHER, spindle sealing (cork)
8	4040384	1 1	WASHER, retaining, rear bearing
9	4640976	1 1	GASKET, bearing retaining washer
10	4253863	1 1	BEARING, ball, rear
11	4040383	1 1	SPACER, spindle bearings
12	4640978	1 1	WASHER, spacing, front bearing
13	4253862	1 1	BEARING, ball, front
14	4348502	1 1	NUT, spindle
	911064	1 1	PIN, cotter, 1/8" x 1-3/8"
15	4336529	1 -	HUB, fan (6-1/8" diam.)
	4337729	- 1	HUB, fan (7-1/2" diam.)
16	088561	1 1	CAP, hub
17	4042081	1 1	RING, snap, cap retaining
18	4336522	1 1	BRACKET, fan mounting
	915969	4 4	CAPSCREW, 1/2"NC x 3"
	904208	3 3	LOCKWASHER, 1/2"
	913432	1 1	WASHER, plain

(Continued)

FAN (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
19	098166	1	1	GUARD, fan
20	036034	4	4	CAPSCREW, 3/8"NF x 1" (Early units)
	013058	-	4	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	044973	4	4	WASHER, plain
	904206	4	4	LOCKWASHER, 3/8"
21	4336526	1	1	HOSE, lubricating (14-1/2" long)
	915405	1	1	NIPPLE, pipe, 1/8"NPT x 1-3/4"
	901676	1	1	ELBOW, pipe, 1/8"NPT
	915274	1	1	FITTING, lubricating, 45°, 1/8"NPT
	911049	1	1	NUT, jam, 5/8"NF
22	4336523	1	1	BRACKET, lubricating hose
	915408	1	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	1	LOCKWASHER, 3/8"



COOLANT FILTER

T-74636

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	4357825	1	FILTER KIT (Consists of items 1 thru 13)
1	4387474	1	FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)
	916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	910325	2	NUT, 1/2"NC
	914670	2	CAPSCREW, 5/16"NC x 1-1/8"
	910335	2	WASHER, plain, SAE std. 5/16"
	904205	2	LOCKWASHER, 5/16"
	910323	2	NUT, 5/16"NC
2	4055031	1	BODY, filter
	920131	2	PLUG, pipe, 3/8"NPT
3	4054569	1	SPRING, filter element
4	4054568	1	PLATE, filter element, lower

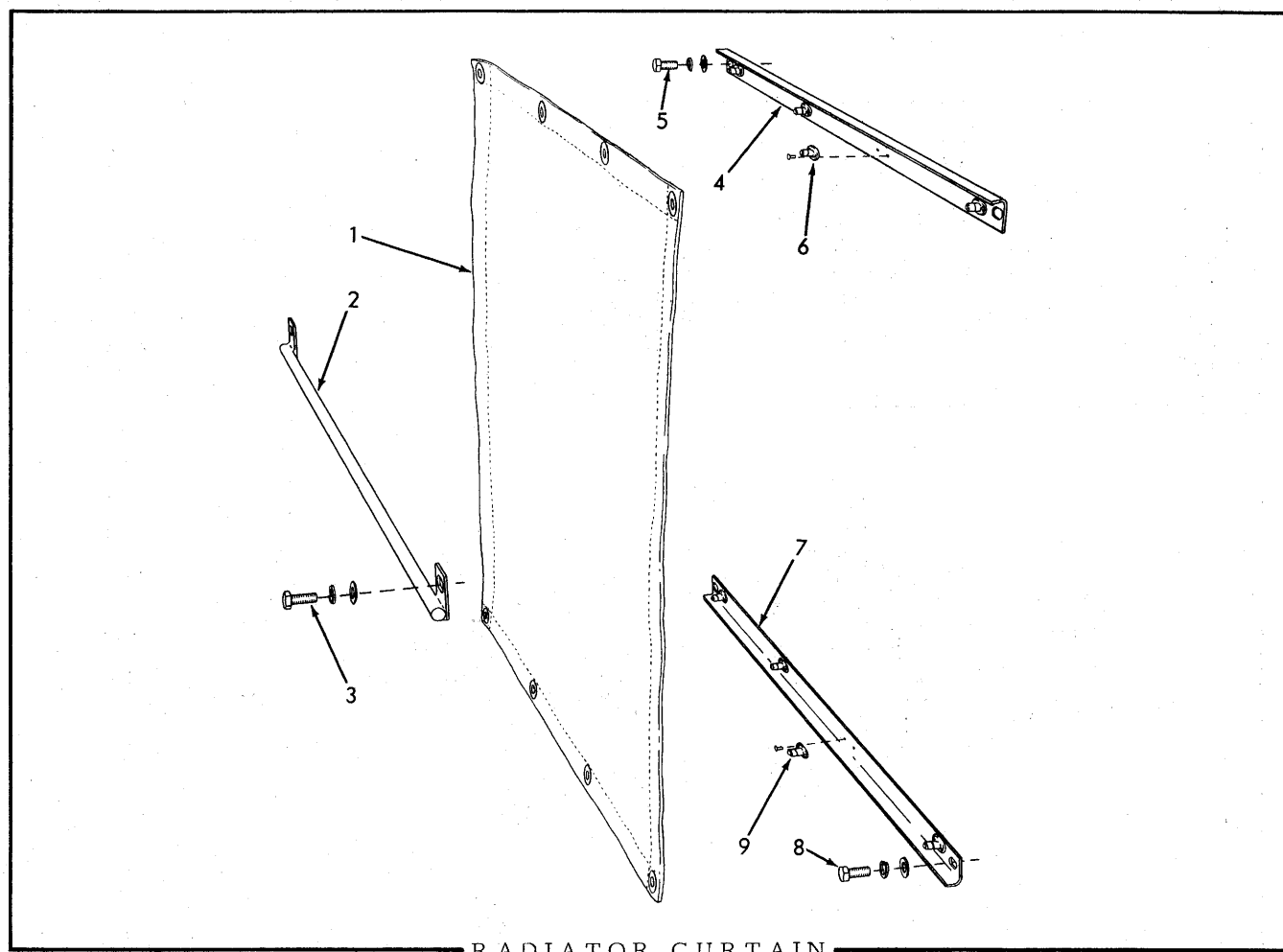
(Continued)

(Added July 1968)

COOLANT FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	4058830	1	ELEMENT KIT, filter (Includes item 9)(Cannot be used with permanent anti-freeze)
	4058831	1	ELEMENT KIT, filter (Includes item 9)(Can be used with permanent anti-freeze)
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	-----	1	HOSE (86" length. Cut to suit installation)(For service replacement order item 14)
	921911	4	CLAMP, hose, 11/16" to 1-1/4" diam.
11	4255286	2	ELBOW, water hose (90°, 5/8" nipple, 3/8"NPT)
12	4255772	2	VALVE, water shut-off (90°, 5/8" nipple, 3/8"NPT)
13	4059367	1	CABLE, ground
14	920722	-	HOSE, rubber, 5/8"I. D. , 25 ft. roll (Use as required)

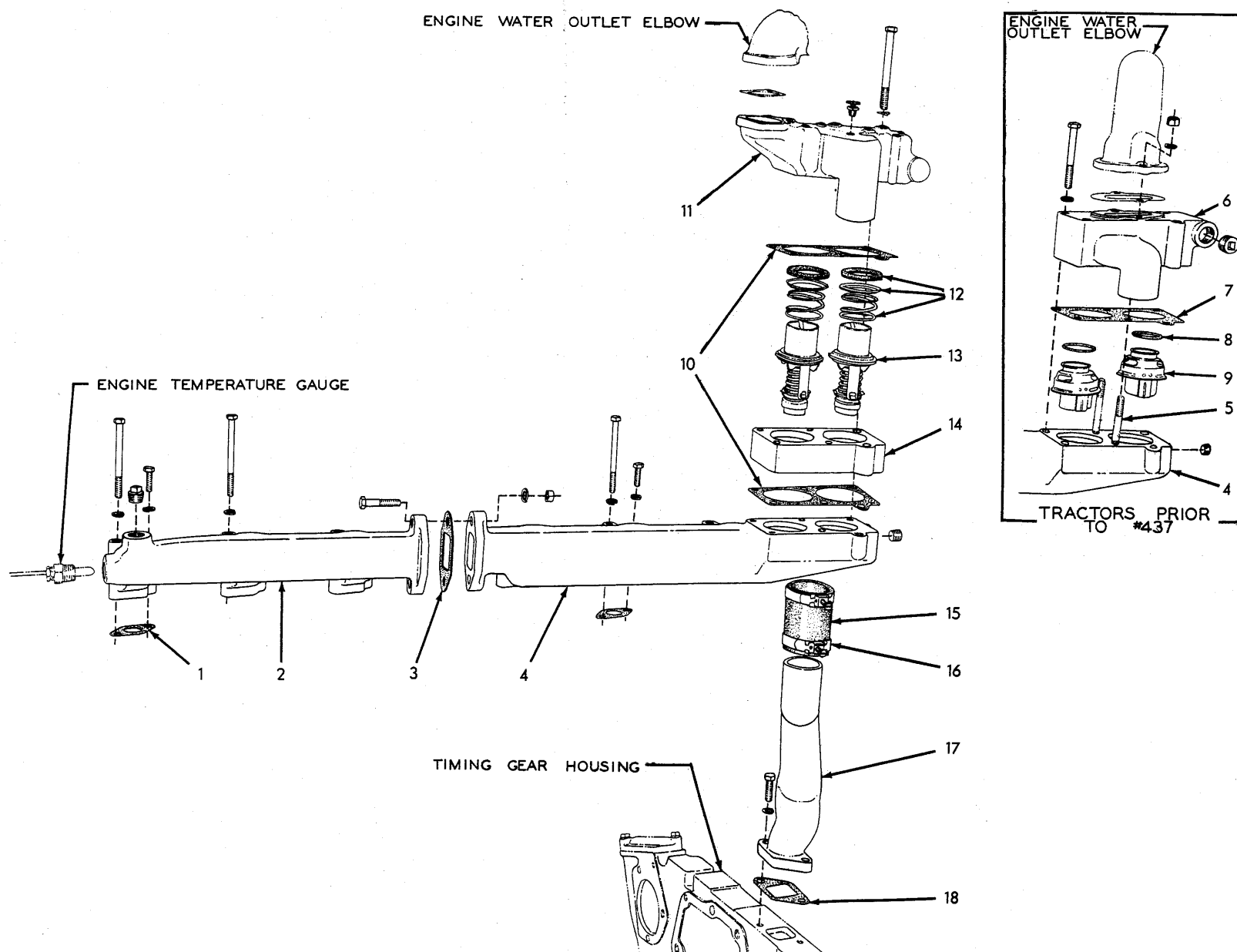
(Added July 1968)



RADIATOR CURTAIN

USAGE: Special Equipment. Used only on tractors equipped with special suction fan.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	085136	1	CURTAIN
2	085135	1	ROD, curtain supporting
3	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER plain
4	085131	1	BRACKET ASSEMBLY, curtain attaching, upper (Includes item 6)
5	012992	2	CAPSCREW 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
6	066661	4	FASTENER, curtain (short type)
	912839	8	RIVET, ctsk-hd., 1/8" x 1/4"
7	085132	1	BRACKET ASSEMBLY, curtain attaching, lower (Includes item 9)
8	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
9	066662	4	FASTENER, curtain (long type)
	912839	8	RIVET, ctsk-hd., 1/8" x 1/4"



WATER OUTLET MANIFOLD (First type)

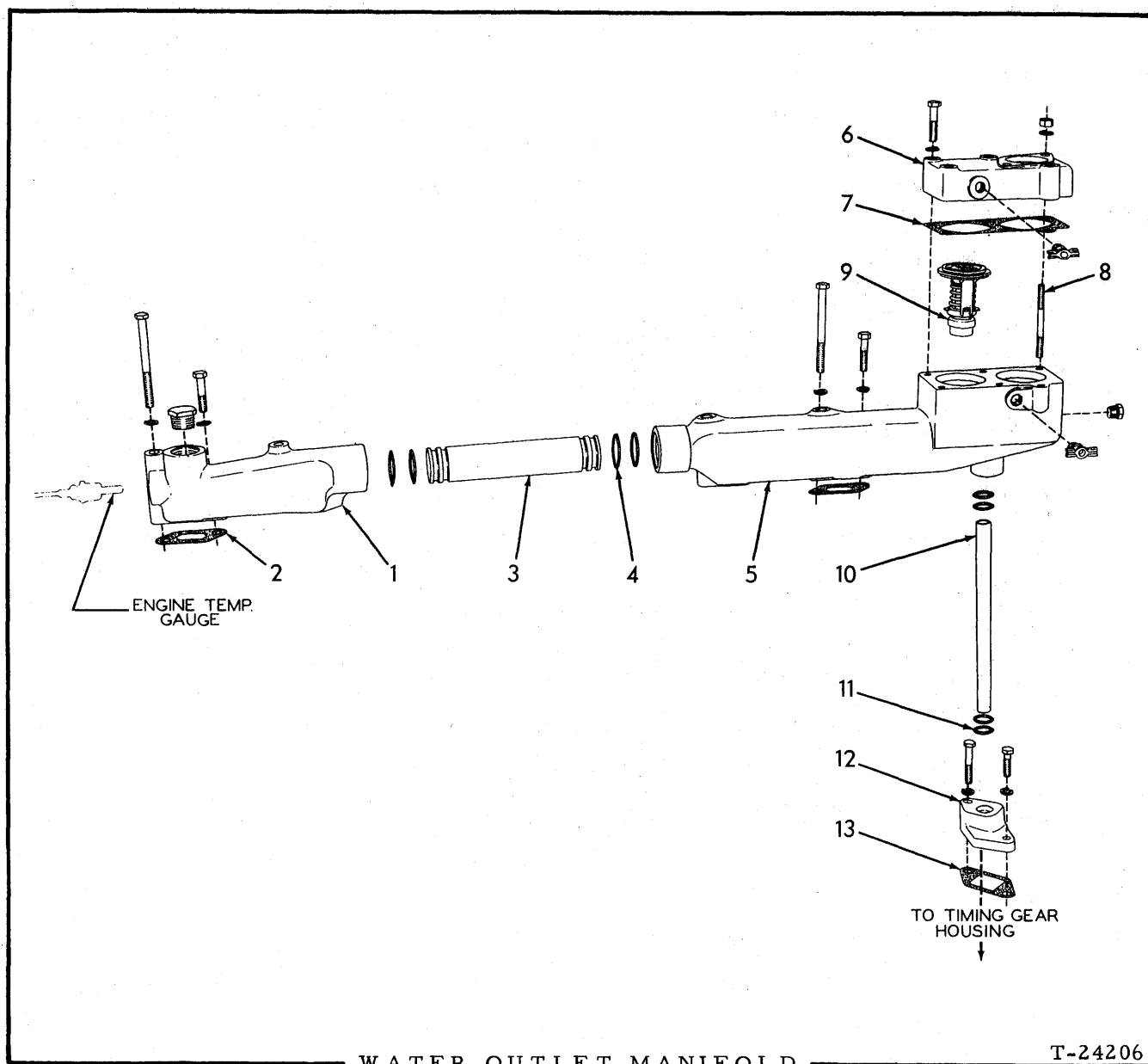
WATER OUTLET MANIFOLD

USAGE: Model HD11G tractors prior to serial No. 6427

* Used prior to tractor serial No. 437

** Effective with tractor serial No. 437

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4348278	6	6	□GASKET, water manifold
2	4349296	1	1	MANIFOLD, water outlet, rear
	912726	1	1	PLUG, pipe, 3/4"NPT
	914392	3	3	CAPSCREW, 5/16"NC x 1"
	917016	1	1	CAPSCREW, 5/16"NC x 3-1/2"
	917277	2	2	CAPSCREW, 5/16"NC x 3-3/4"
	904205	6	6	LOCKWASHER, 5/16"
	914492	2	2	CAPSCREW, 3/8"NF x 1-7/8"
	904206	2	2	LOCKWASHER, 3/8"
	910123	2	2	NUT, 3/8"NF
3	4346330	1	1	□GASKET, water manifold connecting
4	4347509	1	1	MANIFOLD, water outlet, front
	904260	1	1	PLUG, pipe, ctsk-hd., 3/8"NPT
	914392	3	3	CAPSCREW, 5/16"NC x 1"
	917277	3	3	CAPSCREW, 5/16"NC x 3-3/4"
	904205	6	6	LOCKWASHER, 5/16"
5	-----	2	-	STUD, water outlet elbow (See RADIATOR)
6	4347537	1	-	HOUSING, thermostat
	904223	1	-	PLUG, pipe, ctsk-hd., 1/2"NPT
	920275	4	-	CAPSCREW, 3/8"NC x 3"
	904206	4	-	LOCKWASHER, 3/8"
7	4346332	1	-	GASKET, thermostat housing
8	4252855	2	-	RING, thermostat sealing
9	4512372	2	-	THERMOSTAT
10	4347940	-	2	□GASKET, thermostat housing
11	4335244	-	1	HOUSING ASSEMBLY, thermostat (Includes brass insert)
	918778	-	6	CAPSCREW, 3/8"NC x 4-3/4"
	904206	-	6	LOCKWASHER, 3/8"
	912415	-	1	COCK, T-handle, 1/4"NPT (Effective with engine #95968)
12	4375678	-	2	SEAL ASSEMBLY, thermostat (1 seal, 1 spring, 1 retainer. Serviced only as a unit)
13	4363280	-	2	THERMOSTAT
14	4347932	-	1	SPACER, thermostat housing
15	4337602	1	1	HOSE, water by-pass pipe
16	4255012	2	2	CLAMP, hose
17	4348097	1	1	PIPE, water by-pass
	919224	2	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	2	LOCKWASHER, 3/8"
18	4347031	1	1	□GASKET, water by-pass pipe
				□Also see PACKAGED PARTS



WATER OUTLET MANIFOLD

T-24206

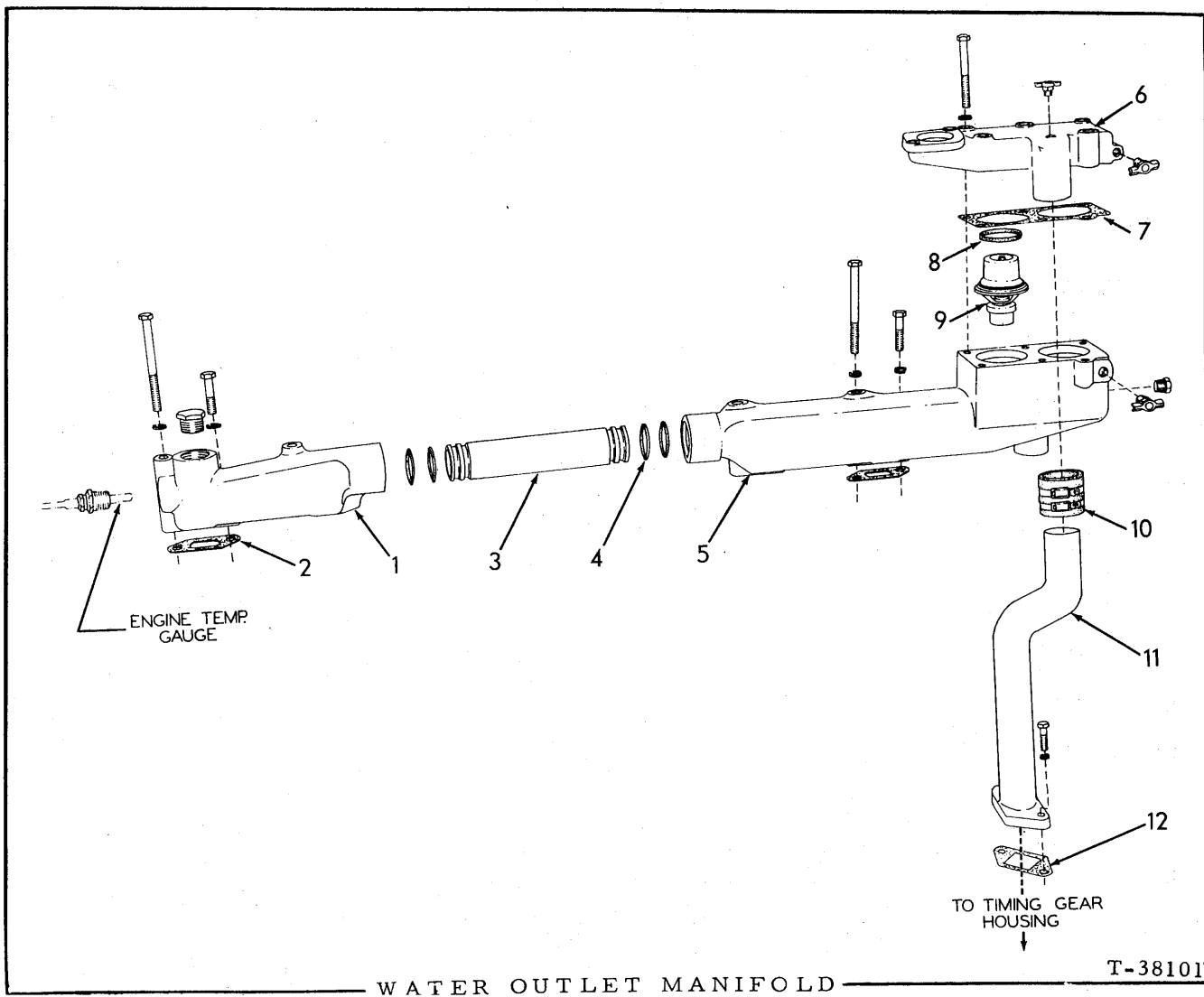
USAGE: Effective with tractor serial No. 6427 but later discontinued with engine serial No. 10-7976

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336506	1	MANIFOLD, water outlet, rear
	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
			□Also see PACKAGED PARTS

(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	4336260	1	MANIFOLD, water outlet, front
	920333	1	PLUG, pipe, hex-hd., 3/8"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"
	912415	1	COCK, T-handle, 1/4"NPT (air venting)
6	4336264	1	HOUSING, thermostat
	912415	1	COCK, T-handle, 1/4"NPT (air venting)
	916274	4	CAPSCREW, 3/8"NC x 2-1/4"
	904206	4	LOCKWASHER, 3/8"
7	4336263	1	□GASKET, thermostat housing
8	4336261	2	STUD, thermostat housing
	910123	2	NUT, 3/8"NF
	904206	2	LOCKWASHER, 3/8"
9	4379916	1	THERMOSTAT (170°)
	4378269	1	THERMOSTAT (180°)
10	4336268	1	TUBE, water by-pass
11	923574	4	□O-RING, water by-pass tube
12	4336267	1	FLANGE, water by-pass
	919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	910948	1	CAPSCREW, 3/8"NC x 2"
	904206	2	LOCKWASHER, 3/8"
13	4347031	1	□GASKET, water by-pass pipe
			□Also see PACKAGED PARTS



USAGE: Engine serial No. 10-7976 and up

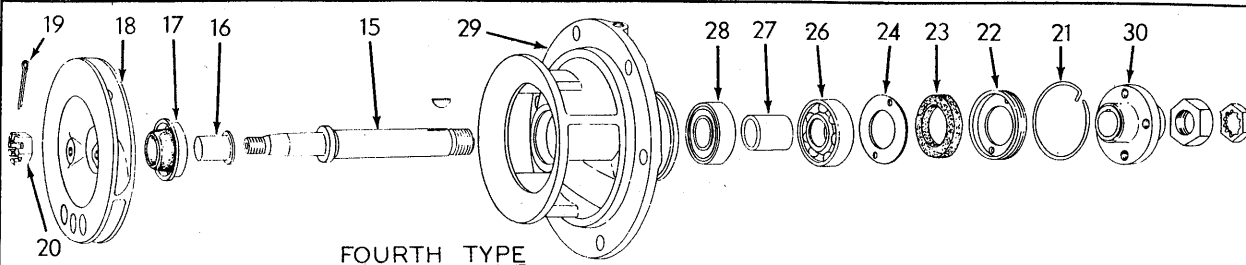
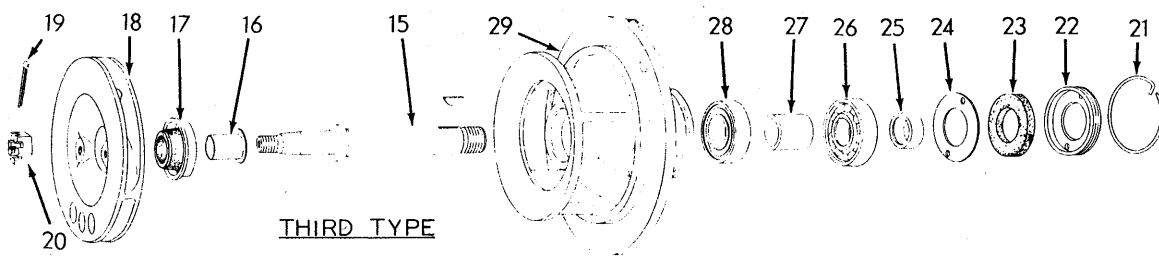
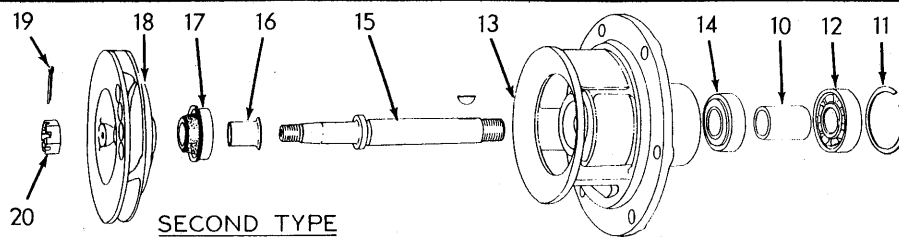
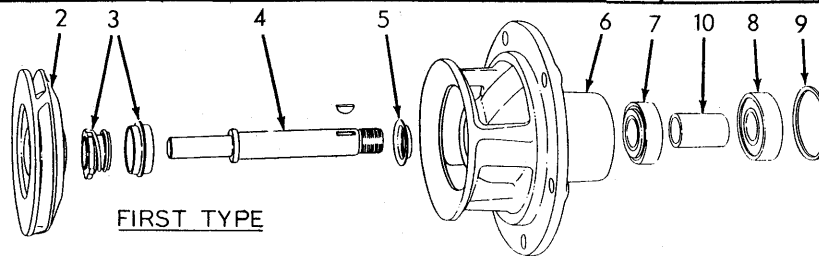
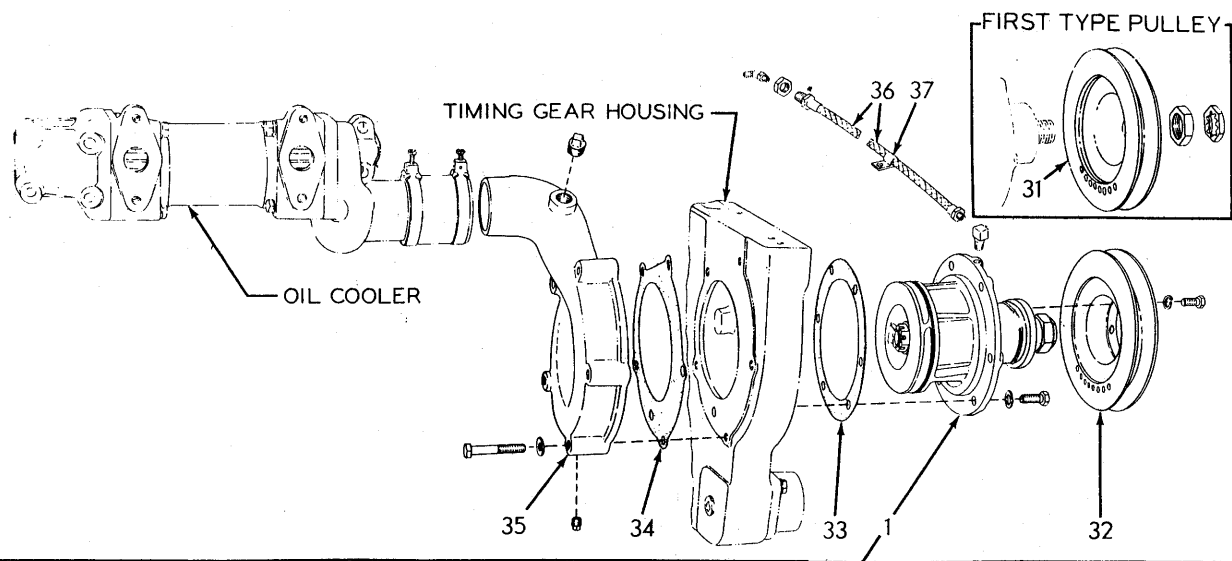
ITEM	PART NO.	QTY.	DESCRIPTION
1	4336506	1	MANIFOLD, water outlet, rear
	920525	1	PLUG, pipe, hex-hd., 3/4"NPT
	914847	2	CAPSCREW, 3/8"NC x 1-1/2"
	916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	904206	4	LOCKWASHER, 3/8"
2	4336182	4	☐ GASKET, water manifold
3	4336156	1	TUBE, water manifold connecting
4	4252796	4	☐ O-RING, water manifold connecting tube
5	4338243	1	MANIFOLD, water outlet, front
	920333	1	PLUG, hex-hd., 3/8"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"
	912415	1	COCK, T-handle, 1/4"NPT (air venting)

☐ Also see PACKAGED PARTS

(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	4354270	1	HOUSING ASSEMBLY, thermostat (Includes item 8)
	912415	2	COCK, T-handle, 1/4"NPT (air vent and drain)
	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
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			



WATER PUMP

* FIRST TYPE - Used prior to engine #77093
 ** SECOND TYPE - Used on engines #77093 thru #96166
 *** THIRD TYPE - Used on engines #96167 thru #10-4257
 **** FOURTH TYPE - Effective with engine #10-4258

ITEM	PART NO.	* QUANTITY	**	***	****	*****	DESCRIPTION
------	----------	------------	----	-----	------	-------	-------------

NOTE: See GENERATOR for listing of driving belt.

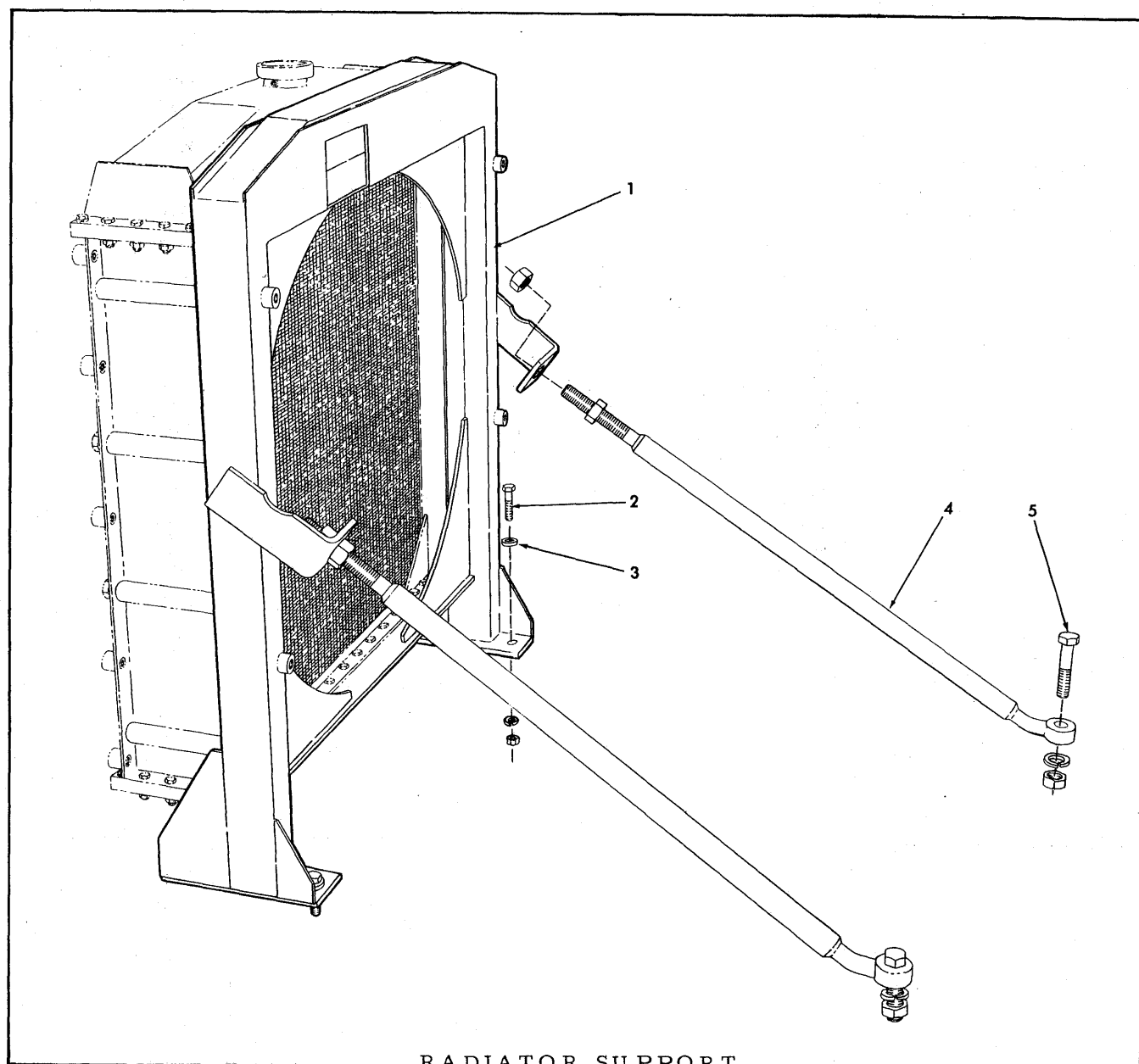
1	{	-----	1	1	1	-	PUMP ASSEMBLY (Order PUMP ASSY. 4338662, PULLEY 4335809, 4 CAPSCREWS 916206 and 4 LOCKWASHERS 904205)
4338662		-	-	-	-	1	PUMP ASSEMBLY (Consists of items 15 thru 24 and 26 thru 30)
916271		6	6	6	6		CAPSCREW, 3/8"NC x 1"
904206		6	6	6	6		LOCKWASHER, 3/8"
2		4346293	1	-	-	-	IMPELLER
3		4346296	1	-	-	-	SEAL ASSEMBLY (Serviced only as a unit)
4		4347431	1	-	-	-	SHAFT
		905121	1	-	-	-	KEY, #5 woodruff, 1/8" x 5/8"
5		4346952	1	-	-	-	RING, water slinger
6		4346953	1	-	-	-	HOUSING
7		4253478	1	-	-	-	BEARING, ball, rear
8		4253479	1	-	-	-	BEARING, ball, front
9		4347115	1	-	-	-	RING, snap, bearing retaining
10		4346951	1	1	-	-	SPACER, bearing
11		4041134	-	1	-	-	RING, snap
12		4253917	-	1	-	-	BEARING, ball, front
13		-----	-	1	-	-	HOUSING (Not serviced)
14		4253914	-	1	-	-	BEARING, ball, rear
15		4348757	-	1	1	1	SHAFT ASSEMBLY (Includes item 16)
		905121	-	1	1	1	KEY, #5 woodruff, 1/8" x 5/8"
16		4507084	-	1	1	1	FLINGER, water
17		4507091	-	1	1	1	SEAL ASSEMBLY (Serviced only as a unit)
18		4339103	-	1	1	1	IMPELLER ASSEMBLY (Includes ceramic insert)
19		4041097	-	1	1	1	PIN, cotter, impeller nut
20		4375686	-	1	1	1	NUT, impeller retaining
21		4371707	-	-	1	1	LOCKWIRE, snap, sealing washer retainer
22	{	4044206	-	-	1	-	RETAINER, sealing washer
		4335320	-	-	-	1	RETAINER, sealing washer

(Continued)

WATER PUMP (Continued)

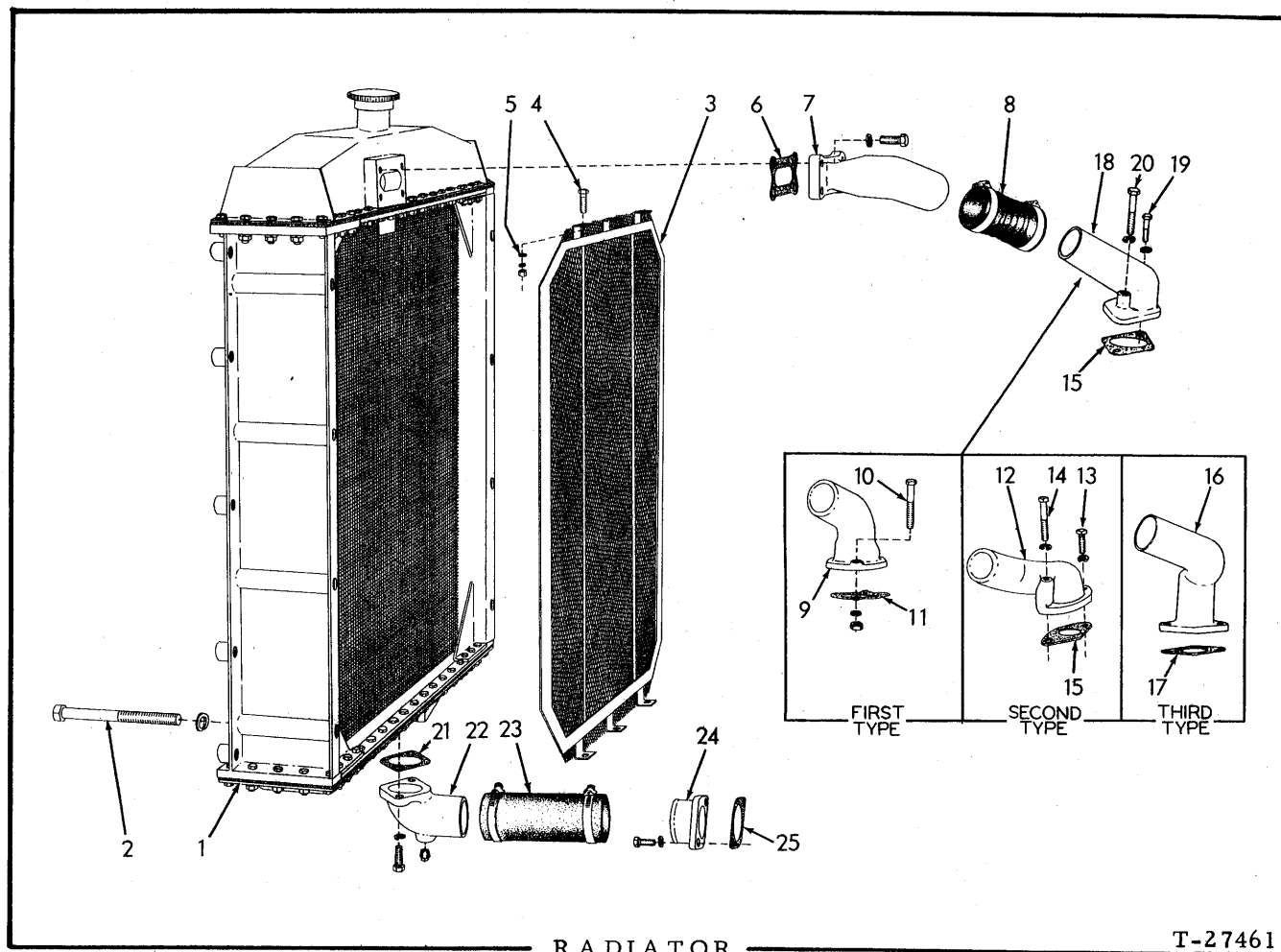
ITEM	PART NO.*	QUANTITY				DESCRIPTION
		**	***	****	*****	
23	4044205	-	-	1	-	WASHER, sealing
	4348825	-	-	-	1	WASHER, sealing
24	4044209	-	-	1	1	WASHER, retaining
25	4044207	-	-	1	-	SPACER, driving pulley
26	4044210	-	-	1	1	BEARING, ball, front
27	4044211	-	-	1	1	SPACER, bearing
28	4044212	-	-	1	1	BEARING, ball, rear
29	4338663	-	-	1	1	BODY, water pump
30	4335808	-	-	-	1	FLANGE, driving pulley
	910847	-	-	-	1	NUT, 3/4"NF
	917680	-	-	-	1	NUT, Pal locking, 3/4"NF
31	4348393	1	1	1	-	PULLEY
	910847	1	1	1	-	NUT, 3/4"NF
	917680	1	1	1	-	NUT, Pal locking, 3/4"NF
32	4335809	-	-	-	1	PULLEY, driving (7-1/8" diam.)(Used prior to engine #10-4855)
	4349675	-	-	-	1	PULLEY, driving (5-15/16" diam.)(Effective with engine #10-4855)
	916206	-	-	-	4	CAPSCREW, 5/16"NF x 7/8"
	904205	-	-	-	4	LOCKWASHER, 5/16"
33	4346744	1	1	1	1	□ GASKET, water pump
34	4335056	1	1	1	1	□ GASKET, water pump volute
35	4348330	1	1	-	-	VOLUTE (Has external drain)(Used prior to engine #91809)
	901651	1	1	-	-	PLUG, pipe, 1/8"NPT
	4349953	-	1	1	1	VOLUTE (Has internal drain)(Effective with engine #91809)
	920131	1	1	1	1	PLUG, pipe, 3/8"NPT
	916274	5	5	5	5	CAPSCREW, 3/8"NC x 2-1/4"
	904206	5	5	5	5	LOCKWASHER, 3/8"
36	045507	-	-	1	1	HOSE, lubricating (12-1/4" long)(Used prior to engine #10-5896)
	915276	-	-	1	1	FITTING, lubricating, 90°, 1/8"NPT
	914463	-	-	1	1	ADAPTER, 90°, 1/8"NPT male and female
	904209	-	-	1	1	LOCKWASHER, 5/8"
	911049	-	-	1	1	NUT, jam, 5/8"NF
	4336527	-	-	-	1	HOSE, lubricating (26-5/8" long)(Effective with engine #10-5896)
	914463	-	-	-	1	ADAPTER, 90°, 1/8"NPT male and female
	915274	-	-	-	1	FITTING, lubricating, 45°, 1/8"NPT
	911049	-	-	-	1	NUT, jam, 5/8"NF
37	4251849	-	-	-	1	CLIP, hose supporting (Effective with engine #10-5896)

□Also see PACKAGED PARTS



RADIATOR SUPPORT

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	096821	1	SUPPORT, radiator
2	035067	4	CAPSCREW, 1/2"NF x 2"
3	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
4	093583	2	ROD, bracing
	911046	4	NUT, 7/8"NF
	052527	2	CAPSCREW, 3/4"NF x 3-1/2" (Used prior to tractor #3906)
5	013465	2	CAPSCREW, 3/4"NF x 2-1/2" (Effective with tractor #3906)
	904369	2	LOCKWASHER, 3/4"
	911045	2	NUT, 3/4"NF



RADIATOR

T-27461

* Model HD11G
** Model HD11GC

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	093339	1	-	RADIATOR ASSEMBLY (Standard)
	095224	1	-	RADIATOR ASSEMBLY (Special. Has armored tubes at rear of core) (Used prior to tractor #8138. Order RADIATOR ASSY. 632164)
	624637	-	1	RADIATOR ASSEMBLY (Standard)
	627394	-	1	RADIATOR ASSEMBLY (Special. Has armored tubes at rear of core) (Used prior to tractor #8237. Order RADIATOR ASSY. 632164)
	632164	1	1	RADIATOR ASSEMBLY (Special. Has armored tubes at rear of core) (Effective with tractor #8138 on Model HD11G and tractor #8237 on Model HD11GC)
	644815	-	1	RADIATOR ASSEMBLY (Special. Has in-line core tubes to minimize clogging)
2	023574	8	-	CAPSCREW, 5/8"NF x 7-1/4"
	065468	-	8	CAPSCREW, 5/8"NF x 8-1/4"
	904209	8	8	LOCKWASHER, 5/8"

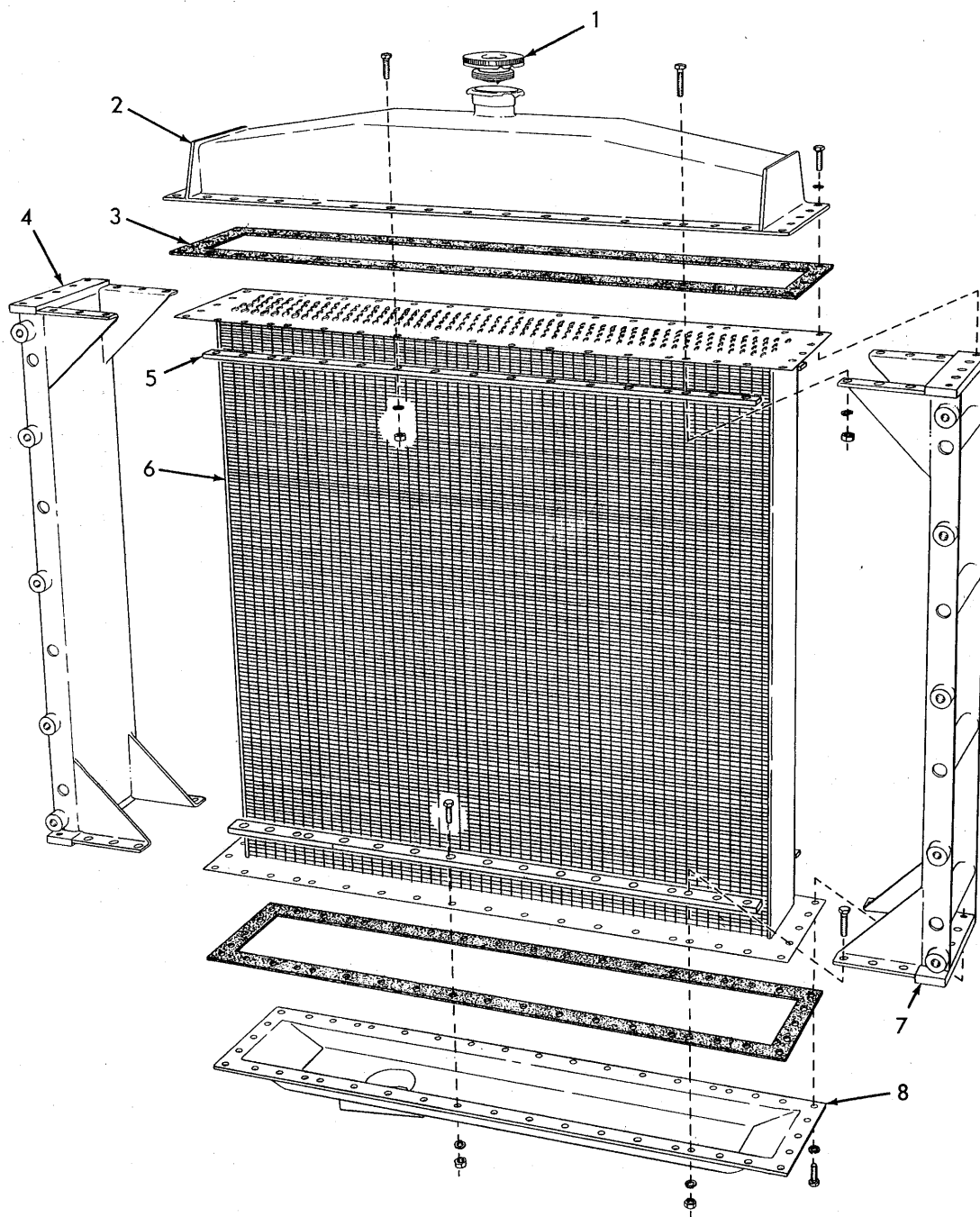
NOTE: See page 143 for radiator parts

(Continued)

RADIATOR (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
3	085039	1	1	SCREEN, radiator (Standard on tractors prior to #8237. Special equipment thereafter)
4	046321	6	6	CAPSCREW, 5/16"NC x 1-1/2"
5	092665	6	6	WASHER, plain
	904205	6	6	LOCKWASHER, 5/16"
	911025	6	6	NUT, 5/16"NC
6	084888	1	1	GASKET, radiator inlet elbow
7	084042	1	1	ELBOW, radiator inlet
	916197	4	4	CAPSCREW, 7/16"NC x 1-1/4"
	904207	4	4	LOCKWASHER, 7/16"
8	093628	1	-	HOSE, radiator inlet (Used prior to tractor #6427)
	088349	1	1	HOSE, radiator inlet (Effective with tractor #6427)
	921913	2	2	CLAMP, hose, adjustable, 1-7/8" to 2-3/4" diam.
9	084003	1	-	ELBOW, engine water outlet (Used prior to tractor #437)
10	919227	2	-	CAPSCREW, 3/8"NC x 3-1/4"
	904206	2	-	LOCKWASHER, 3/8"
	911041	2	-	NUT, 3/8"NF
11	4346656	1	-	GASKET, engine water outlet elbow (Used prior to tractor #437)
12	088326	1	-	ELBOW, engine water outlet (Used on tractors #437 thru #6426)
13	043886	1	-	CAPSCREW, 7/16"NC x 1"
14	088736	1	-	CAPSCREW, 7/16"NC x 3"
	904207	2	-	LOCKWASHER, 7/16"
15	4300145	1	-	□GASKET, engine water outlet elbow (Used on tractors #437 thru #6426; also tractors #7999 and up)
16	620334	1	1	ELBOW, engine water outlet (Used on tractors #6427 thru #7998)
17	4336266	1	1	□GASKET, engine water outlet (Used on tractors #6427 thru #7998)
18	634244	1	1	ELBOW, engine water outlet (Effective with tractor #7999)
19	043886	1	1	CAPSCREW, 7/16"NC x 1"
20	088736	1	1	CAPSCREW, 7/16"NC x 3"
	904207	2	2	LOCKWASHER, 7/16"
21	4310257	1	1	GASKET, radiator outlet elbow
22	084010	1	1	ELBOW, radiator outlet
	901652	1	1	PLUG, pipe, 1/4"NPT
	916197	2	2	CAPSCREW, 7/16"NC x 1-1/4"
	904207	2	2	LOCKWASHER, 7/16"
23	634378	1	1	HOSE, radiator outlet
	921914	2	2	CLAMP, hose, adjustable, 2-5/16" to 3-1/4" diam.
24	4347872	1	1	PIPE, engine water inlet
	916271	2	2	CAPSCREW, 3/8"NC x 1"
	904206	2	2	LOCKWASHER, 3/8"
25	4346456	1	1	□GASKET, water inlet pipe

□Also see PACKAGED PARTS



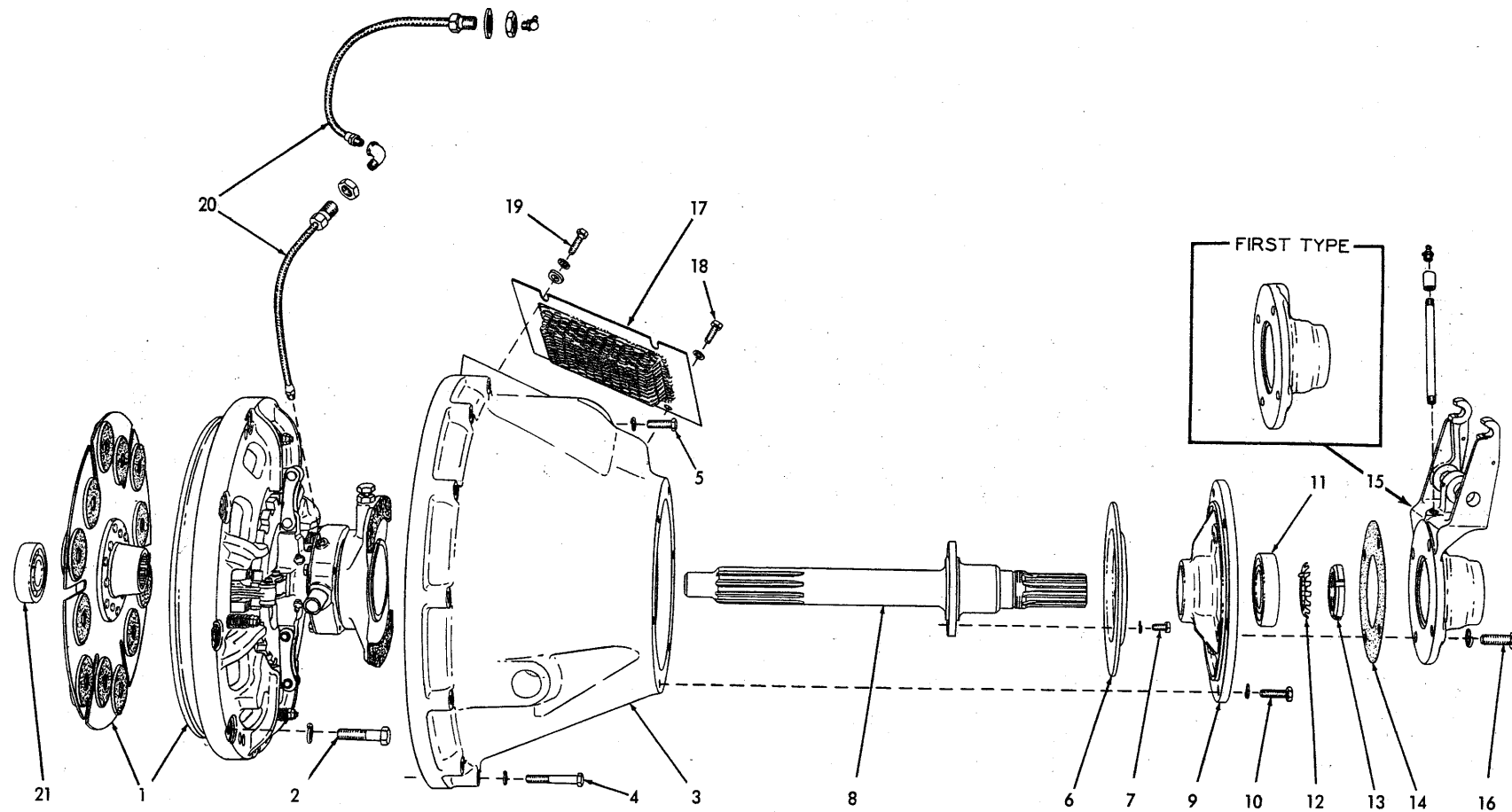
RADIATOR PARTS

T-13169

```
RADIATOR ASSEMBLY 093339
RADIATOR ASSEMBLY 095224
RADIATOR ASSEMBLY 624637
RADIATOR ASSEMBLY 627394
RADIATOR ASSEMBLY 632164
RADIATOR ASSEMBLY 644815
```

See page 140

ITEM	PART NO.	QUANTITY						DESCRIPTION
		093339	095224	624637	627394	632164	644815	
								RADIATOR ASSEMBLY 627394 RADIATOR ASSEMBLY 632164 RADIATOR ASSEMBLY 644815
1	{ 092028	1	1	-	-	-	-	CAP, pressure (4 lb.)
	{ 087528	-	-	1	1	1	1	CAP, pressure (7 lb.)
2	{ 087955	1	1	-	-	-	-	TANK, top
	{ 629064	-	-	1	1	1	1	TANK, top
	903773	38	38	38	38	38	38	CAPSCREW, 5/16"NC x 1-1/4"
	903772	6	6	6	6	6	6	CAPSCREW, 5/16"NC x 1"
	904205	44	44	44	44	44	44	LOCKWASHER, 5/16"
	911025	38	38	38	38	38	38	NUT, 5/16"NC
3	{ 087041	2	2	-	-	-	-	GASKET, core
	{ 629067	-	-	2	2	2	2	GASKET, core
4	{ 087043	1	1	-	-	-	-	SIDE, radiator core, right
	{ 629066	-	-	1	1	-	-	SIDE, radiator core, right
	{ 638792	-	-	-	-	1	1	SIDE, radiator core, right
5	087040	4	4	4	4	4	4	CLAMP, radiator core, flange
6	{ 087538	1	-	-	-	-	-	CORE
	{ -----	-	1	-	-	-	-	CORE (armored)(Discontinued. Order RADIATOR ASSEMBLY 632164. Can also replace with CORE 087538)
	{ 629069	-	-	1	-	-	-	CORE
	{ 632471	-	-	-	1	1	-	CORE (armored)
	{ 644814	-	-	-	-	-	1	CORE (In-line core tubes)(Interchangeable with standard CORE 629069)
7	{ 087042	1	1	-	-	-	-	SIDE, radiator core, left
	{ 629065	-	-	1	1	-	-	SIDE, radiator core, left
	{ 638791	-	-	-	-	1	1	SIDE, radiator core, left
8	{ 087044	1	1	-	-	-	-	TANK, bottom
	{ 629068	-	-	1	1	1	1	TANK, bottom
	903772	4	4	4	4	4	4	CAPSCREW, 5/16"NC x 1"
	903773	40	40	40	40	40	40	CAPSCREW, 5/16"NC x 1-1/4"
	904205	44	44	44	44	44	44	LOCKWASHER, 5/16"
	911025	40	40	40	40	40	40	NUT, 5/16"NC

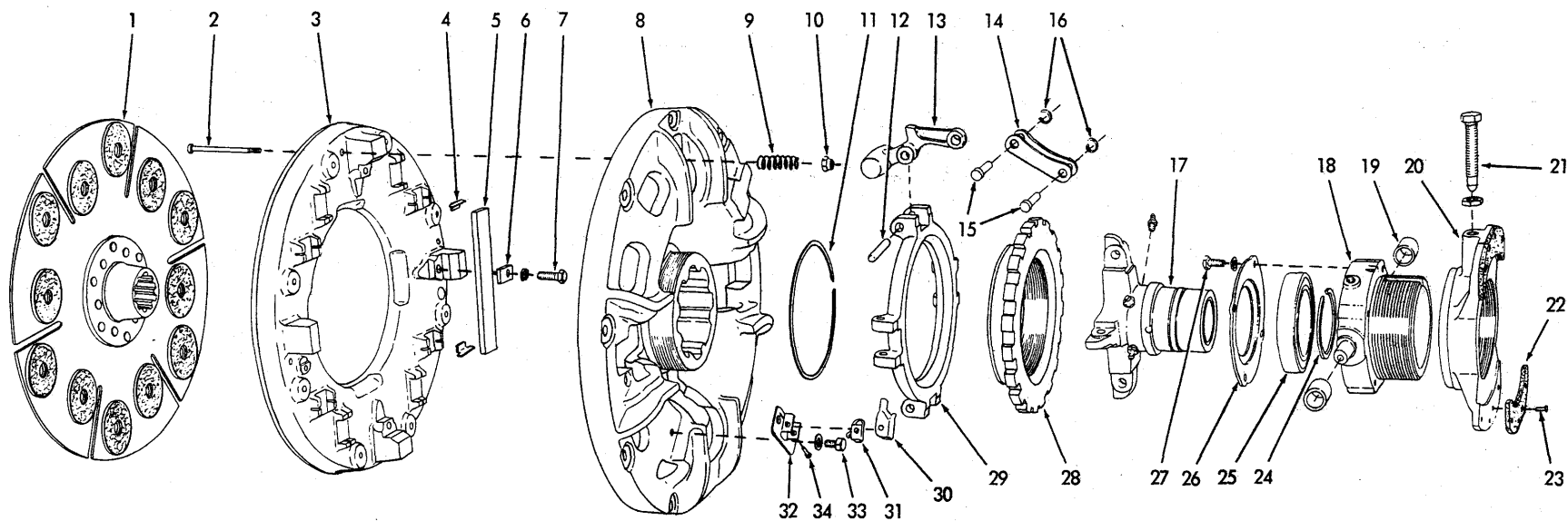


ENGINE CLUTCH AND HOUSING (Dry clutch for Model HD11G)

ENGINE CLUTCH AND HOUSING (Dry Clutch)

USAGE: Model HD11G tractors prior to serial No. 6911

ITEM	PART NO.	QTY.	DESCRIPTION
1	083870	1	CLUTCH ASSEMBLY (See page 143 for parts)
2	921556	9	CAPSCREW, 1/2"NC x 2"
	904208	9	LOCKWASHER, 1/2"
3	082716	1	HOUSING
4	056721	11	CAPSCREW, 3/8"NC x 2-1/2"
5	013058	1	CAPSCREW, 3/8"NC x 1-1/4"
	904206	12	LOCKWASHER, 3/8"
6	050579	1	DISC, brake
7	083270	6	CAPSCREW, 5/16"NF x 5/8"
	904205	6	LOCKWASHER, 5/16"
8	083091	1	SHAFT, clutch
9	083121	1	RETAINER, clutch shaft rear bearing
10	013058	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	6	LOCKWASHER, 3/8"
11	042847	1	BEARING, ball, clutch shaft, rear
12	030123	1	WASHER, locking, rear bearing nut
13	030107	1	NUT, clutch shaft rear bearing
14	050647	1	GASKET, rear bearing cap
15	051597	1	CAP, rear bearing (Used prior to tractor #6069)
	099546	1	CAP, rear bearing (Effective with tractor #6069)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
	901763	1	COUPLING, pipe, 1/8"NPT
	901475	1	NIPPLE, pipe, 1/8"NPT x 5"
16	035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
17	081140	1	PLATE, engine clutch inspection
18	035439	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"
19	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
20	053899	2	HOSE, lubricating, clutch shifting bearing (10-1/2" long)
	064810	1	WASHER, plain
	911049	2	NUT, jam, 5/8"NF
	915276	1	FITTING, lubricating, 90°, 1/8"NPT
	907059	1	ELBOW, street, 90°, 1/8"NPT
21	099133	1	BEARING, ball, clutch shaft, front

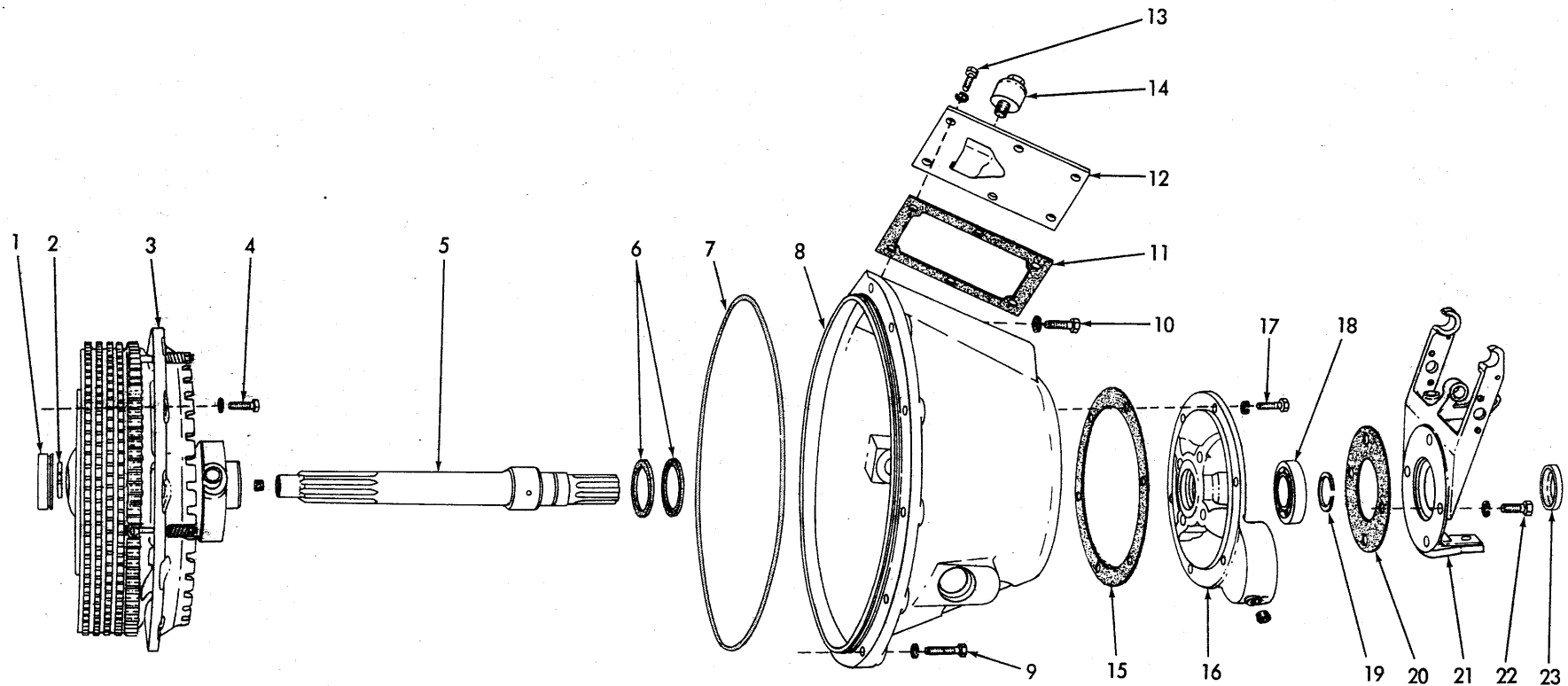


CLUTCH ASSEMBLY 083870

CLUTCH ASSEMBLY 083870

USAGE: See page 145 for listing of complete Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
1	082910	1	PLATE ASSEMBLY, drive (Has Ceramic friction discs)
2	073926	4	SCREW, retracting spring (fil-hd., 5/16"NF x 3-3/8")
3	073919	1	PLATE, pressure
4	073920	8	PAD, wear
5	073921	4	BEAM, actuating lever
6	073922	4	PLATE, beam retaining
7	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
8	073899	1	PLATE, back
9	078667	4	SPRING, pressure plate retracting
10	073927	4	NUT, retracting spring screw (self-locking, 5/16"NF)
11	073916	1	RING, plate retaining
12	073918	4	PIN, actuating lever
13	073917	4	LEVER, actuating
14	073923	4	LINK, actuating lever
15	073924	8	PIN, actuating lever link
16	073925	8	RING, pin retaining
17	083145	1	SLEEVE ASSEMBLY, shifting (Includes 2 bushings which are not serviced separately and 4 FITTINGS 914465)
	914465	4	FITTING, lubricating, straight, 1/8"NPT
18	083143	1	CARRIER ASSEMBLY, shifter bearing (Includes item 19)
19	056864	2	RACE, shifting yoke needle bearing
20	083135	1	PLATE ASSEMBLY, clutch brake (Includes item 22)
21	083149	1	SCREW, brake plate locking
	913830	1	NUT, jam, 1/2"NF
22	083134	1	FACING KIT, brake plate (Includes item 23)
23	083136	8	RIVET, brake plate facing
24	073908	1	RING, snap, bearing retaining
25	061490	1	BEARING, ball, clutch shifting
26	073907	1	PLATE, bearing retaining
27	045312	4	CAPSCREW, 5/16"NC x 3/4"
	904205	4	LOCKWASHER, 5/16"
28	073914	1	RING, adjusting
29	073915	1	PLATE, adjusting ring
30	073901	1	LOCK, adjustment
31	048375	1	SPRING, adjustment lock
32	073903	1	BRACKET, adjustment lock
33	035979	2	CAPSCREW, 3/8"NF x 5/8"
	911115	2	WASHER, plain, SAE std., 3/8"
34	073902	1	PIN, adjustment lock



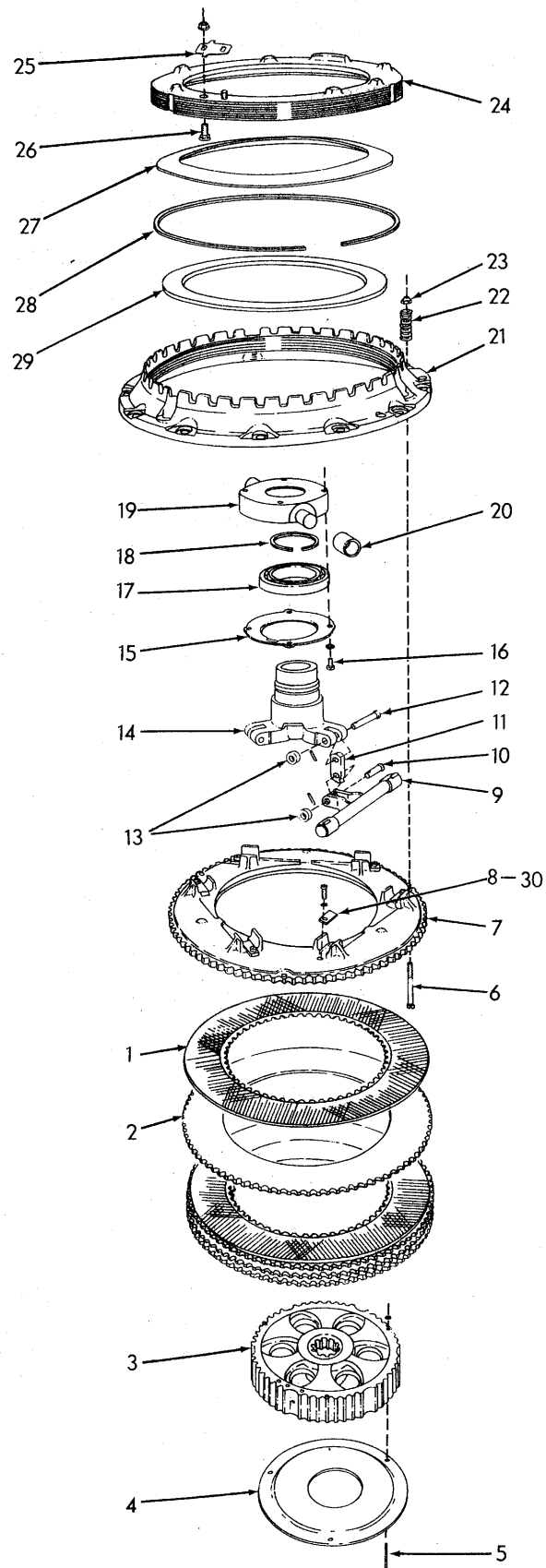
ENGINE CLUTCH AND HOUSING (Oil Clutch for Model HD11G)

T-72054

ENGINE CLUTCH AND HOUSING
(Oil Clutch)

USAGE: Model HD11G tractors serial No. 6911 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	097088	1	BEARING, ball, clutch shaft, front
2	642216	1	RING, snap, clutch thrust (Effective with tractor #8778)
3	645450	1	CLUTCH ASSEMBLY, engine (See page 151 for parts)
4	035439	12	CAPSCREW, 3/8"NC x 1"
	904206	12	LOCKWASHER, 3/8"
5	642218	1	SHAFT, clutch
	915739	1	PLUG, pipe, sq-socket, 3/8"NPT
6	620279	2	SEAL, oil, clutch shaft
7	620471	1	O-RING, clutch housing
8	629968	1	HOUSING, engine clutch
9	041914	9	CAPSCREW, 3/8"NC x 1-7/8"
	013059	2	CAPSCREW, 3/8"NC x 2" (Also attaches hose support)
10	040382	1	CAPSCREW, 3/8"NC x 1-3/8"
	904206	12	LOCKWASHER, 3/8"
11	629972	1	GASKET, access cover
12	629973	1	COVER, clutch access
13	035439	6	CAPSCREW, 3/8"NC x 1"
	904206	6	LOCKWASHER, 3/8"
14	050748	1	BREATHER, clutch housing
15	078814	1	GASKET, rear bearing retainer
16	634156	1	RETAINER, clutch shaft rear bearing
	915739	1	PLUG, pipe, sq-socket, 3/8"NPT
17	013058	3	CAPSCREW, 3/8"NC x 1-1/4"
	904206	3	LOCKWASHER, 3/8"
18	042847	1	BEARING, ball, clutch shaft, rear
19	050293	1	RING, snap, clutch shaft
20	050647	1	GASKET, steering control bracket
21	633046	1	BRACKET, steering control
22	035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
23	096761	1	SEAL, oil, clutch shaft, rear



OIL CLUTCH PARTS

T-72028

OIL CLUTCH PARTS

USAGE: See page 149

ITEM	PART NO.	QTY.	DESCRIPTION
1	645451	5	DISC, friction, inner
2	642453	4	DISC, friction, outer
3	{ 630803	1	CENTER, splined (Used prior to tractor #8778)
	{ 642215	1	CENTER, splined (Effective with tractor #8778)
4	{ 630809	1	COVER, splined center (Used prior to tractor #8778)
	{ 644297	1	COVER, splined center (Effective with tractor #8778)
5	{ 630804	3	SCREW, cover retaining (Used prior to tractor #8778)
	{ 910243	3	WASHER, plain, SAE std., 3/16"
	{ 623466	3	LOCKNUT, (elastic)
	{ 642217	3	RIVET, cover retaining (Effective with tractor #8778)
	{ 645706	3	WASHER, plain
6	623456	3	CAPSCREW, retracting spring
7	638621	1	PLATE ASSEMBLY, pressure (Includes item 8)
8	223585	6	BLOCK, cam (Recommend replacement in sets. See item 30)
	901226	6	SCREW, machine, fil-hd., 1/4"NC x 1/2"
	914593	6	LOCKWASHER, external teeth, 1/4"
9	638651	3	CAMSHAFT ASSEMBLY (Recommend replacement in sets. Includes 6 rollers which are not serviced separately and PIN indented below)
	917466	3	PIN, roll, 3/16" x 1-1/8"
10	{ 040221	3	PIN, connecting link, short (Used prior to tractor #7780)
	{ 901165	3	WASHER, plain, U. S. std., 5/16"
	{ 913984	3	PIN, cotter, 1/8" x 5/8"
	{ 638649	3	PIN, connecting link, short (Effective with tractor #7780)
	{ 919180	3	PIN, roll, 1/8" x 5/8"
11	630808	3	LINK, connecting
12	{ 040220	3	PIN, connecting link, long (Used prior to tractor #7780)
	{ 901165	3	WASHER, plain, U. S. std., 5/16"
	{ 913984	3	PIN, cotter, 1/8" x 5/8"
	{ 638648	3	PIN, connecting link, long (Effective with tractor #7780)
	{ 919180	3	PIN, roll, 1/8" x 5/8"
13	638650	6	COLLAR, connecting link pin (Effective with tractor #7780)
14	630805	1	SLEEVE ASSEMBLY, shifting (Includes 2 bushings which are not serviced separately)
15	630806	1	PLATE, bearing carrier
16	045312	4	CAPSCREW, 5/16"NC x 5/8"
	904205	4	LOCKWASHER, 5/16"
17	057773	1	BEARING, ball, shifting sleeve

(Continued)

OIL CLUTCH PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	073908	1	RING, retaining, shifting sleeve bearing
19	630807	1	CARRIER ASSEMBLY, bearing (Includes item 20)
20	056864	2	RACE, inner, shifting yoke needle bearing
21	623449	1	PLATE, back
22	078667	3	SPRING, pressure plate retracting (light type)(Used prior to December 1962)
	639751	3	SPRING, pressure plate retracting (heavy type)(Effective December 1962)
23	073927	3	NUT, retracting spring screw (self-locking)
24	624669	1	RING, adjusting
25	646825	1	LOCK, adjustment
26	042767	2	SCREW, (fl-hd., 3/8"NC x 1/2")
	911048	2	NUT, jam, 3/8"NF
	639752	2	SCREW, (fl-hd., 3/8"NF x 7/8")
	639750	2	NUT, flanged (3/8"NF)
27	624670	1	WASHER, pressure
28	623452	1	RING, washer retaining
29	623453	1	PLATE, adjusting ring
30	043397	1	BLOCK KIT, clutch camshaft (Full set of blocks and attaching parts listed under item 8 above)

Used prior to December 1962

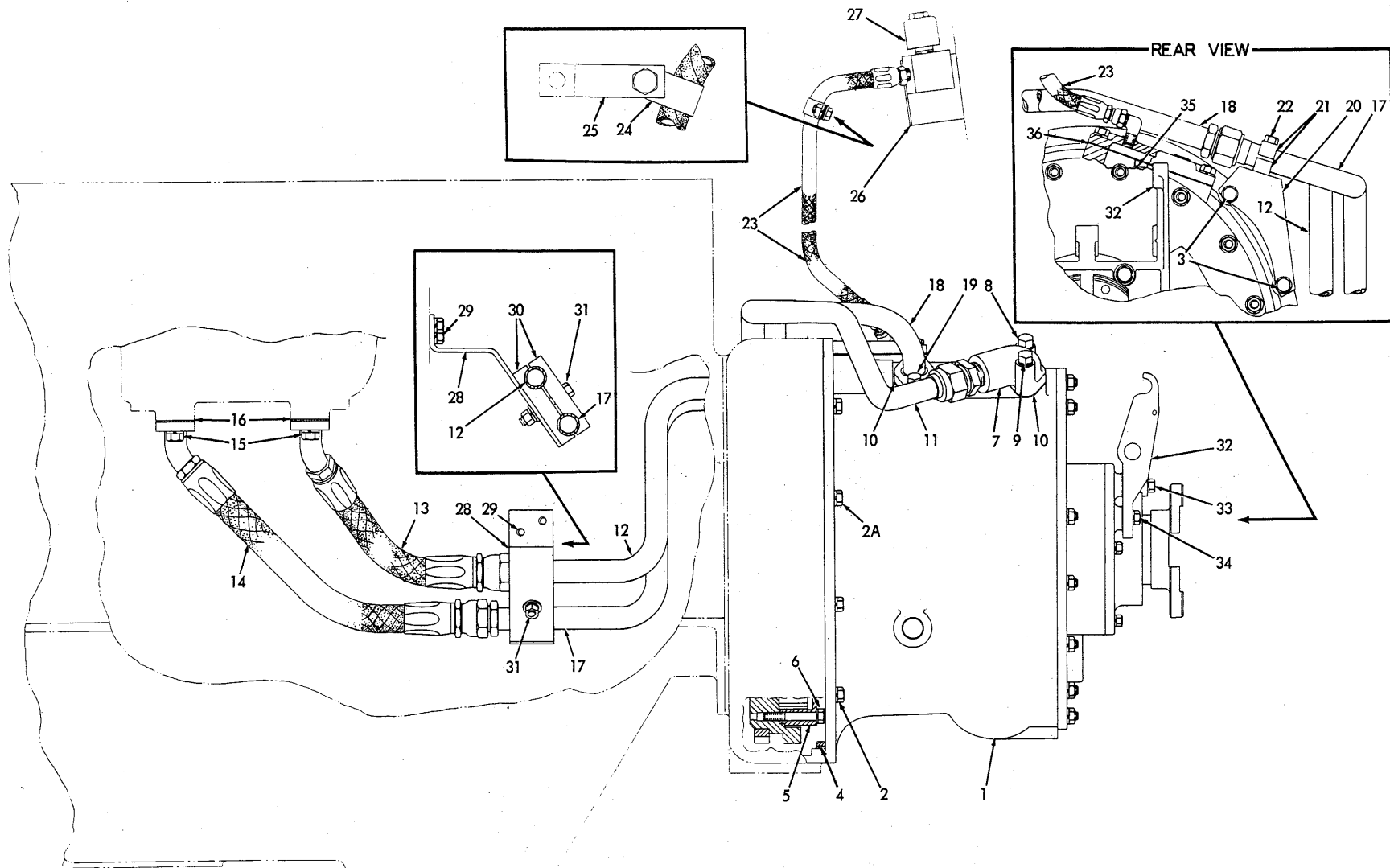
Effective December 1962

TORQUE CONVERTER AND CLUTCH

USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	621462	1	CONVERTER ASSEMBLY, torque (See page 157 for parts)(Includes engine clutch throwout mechanism)
2	035439	9	CAPSCREW, 3/8"NC x 1"
2A	013058	1	CAPSCREW, 3/8"NC x 1-1/4" (Also attaches fuel line supporting angle)
3	044249	2	CAPSCREW, 3/8"NC x 1-1/8" (Also attaches PLATE 623088)
	904206	12	LOCKWASHER, 3/8"
4	620471	1	O-RING, torque converter to flywheel housing
5	645465	1	CLUTCH ASSEMBLY, engine (See page 161 for parts)
6	056721	12	CAPSCREW, 3/8"NC x 2-1/2"
	904206	12	LOCKWASHER, 3/8"
7	620826	1	ELBOW, discharge tube
8	040013	1	CAPSCREW, 7/16"NC x 1-3/4"
9	916257	1	CAPSCREW, 7/16"NC x 2-1/2"
	904207	2	LOCKWASHER, 7/16"
10	631078	2	GASKET, oil line
11	621205	1	TUBE ASSEMBLY, oil discharge, rear (Includes nut)
	919064	1	CONNECTOR, flare type, 1" tube, 1"NPT male
12	623089	1	TUBE ASSEMBLY, oil discharge, front (Includes nut)
13	647925	1	HOSE, oil discharge (See page 6)
14	647924	1	HOSE, oil return (See page 6)
15	041250	4	CAPSCREW, hose attaching (7/16"NC x 1-1/8")
	904207	4	LOCKWASHER, 7/16"
16	631078	2	GASKET, hose
17	623090	1	TUBE ASSEMBLY, oil return, front (Includes nut)
18	621582	1	TUBE ASSEMBLY, oil return, rear (Includes flange)
19	041250	2	CAPSCREW, 7/16"NC x 1-1/4"
	904207	2	LOCKWASHER, 7/16"
20	623088	1	PLATE, tube supporting, upper
21	623084	2	BLOCK, tube clamping, upper
22	099575	1	CAPSCREW, 3/8"NF x 2-1/4"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
23	629481	1	HOSE ASSEMBLY, breather (See page 6 for parts)
	919135	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT male
24	094422	1	CLIP, breather hose (5/8" diam.)(Used prior to tractor #8941)
	621304	1	CLIP, breather hose (3/4" diam.)(Effective with tractor #8941)
	035167	1	CAPSCREW, 3/8"NF x 7/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF

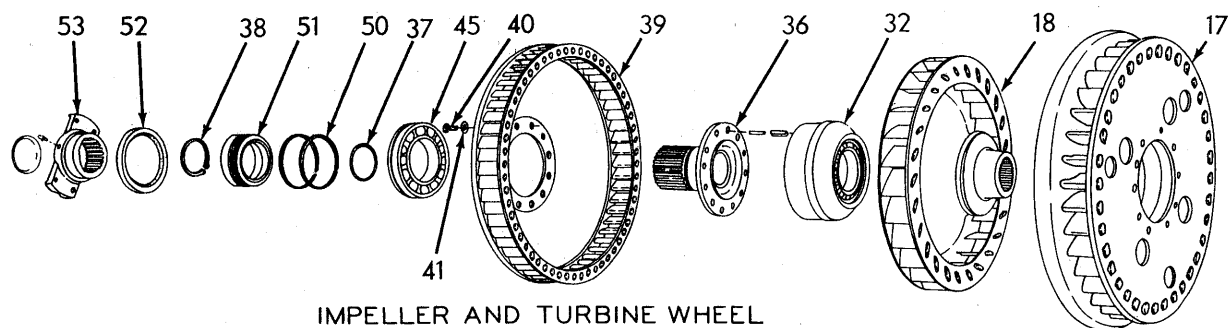
(Continued)



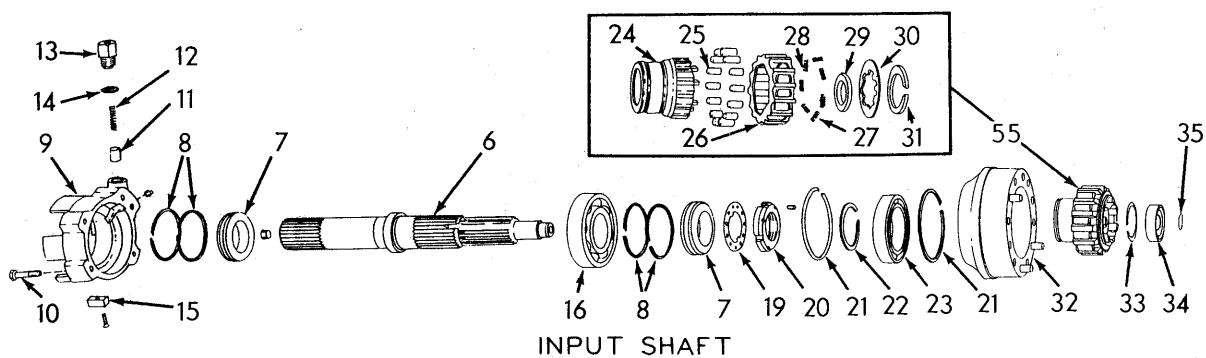
TORQUE CONVERTER AND CLUTCH

TORQUE CONVERTER AND CLUTCH (Continued)

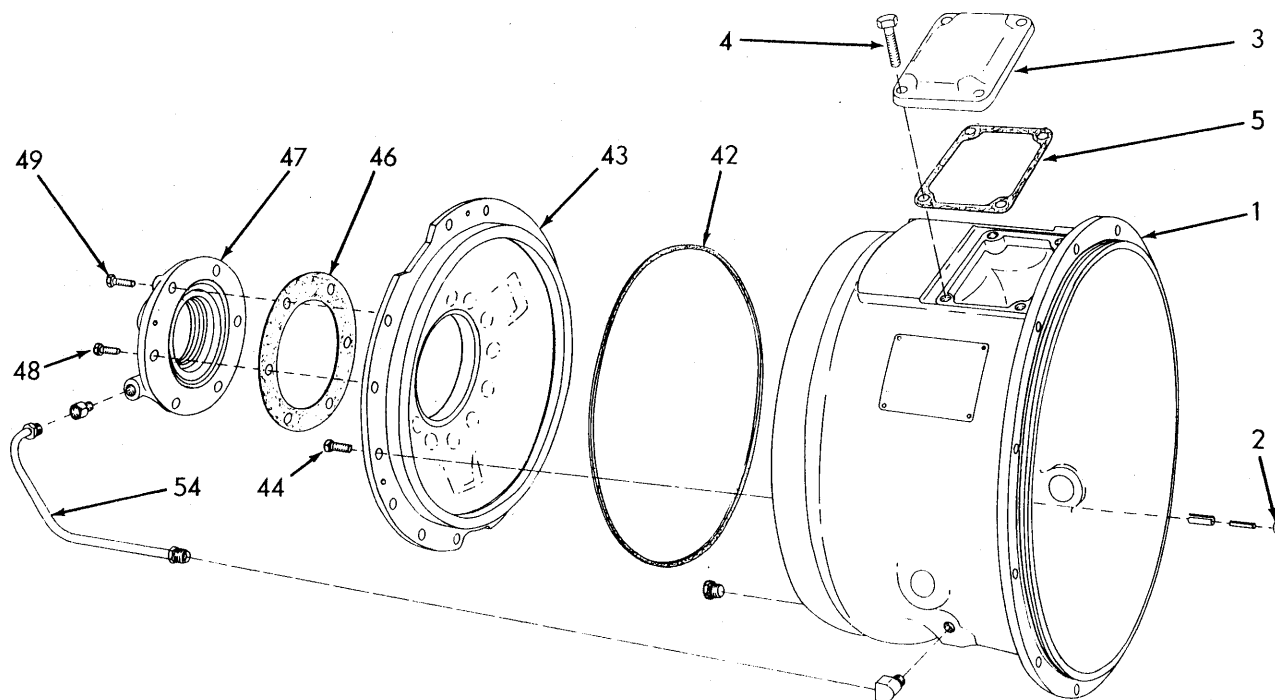
ITEM	PART NUMBER	QTY.	DESCRIPTION
25	098108	1	CLIP, supporting, breather hose
26	629725	1	BRACKET, breather
27	050748	1	BREATHER, torque converter
28	621198	1	BRACKET, tube supporting, lower
29	920539	2	CAPSCREW, 3/8"NC x 1" (Nyllok)
	904206	2	LOCKWASHER, 3/8"
30	621196	2	BLOCK, tube clamping, lower
31	099575	1	CAPSCREW, 3/8"NF x 2-1/4"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
32	620614	1	BRACKET, steering control
33	056721	2	CAPSCREW, 3/8"NC x 2-1/2"
34	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	4	LOCKWASHER, 3/8"
35	630175	1	BAFFLE, oil
36	628571	1	GASKET, oil baffle



T-37223



T-37217



T-37216

TORQUE CONVERTER ASSEMBLY 621462

USAGE: See page 153

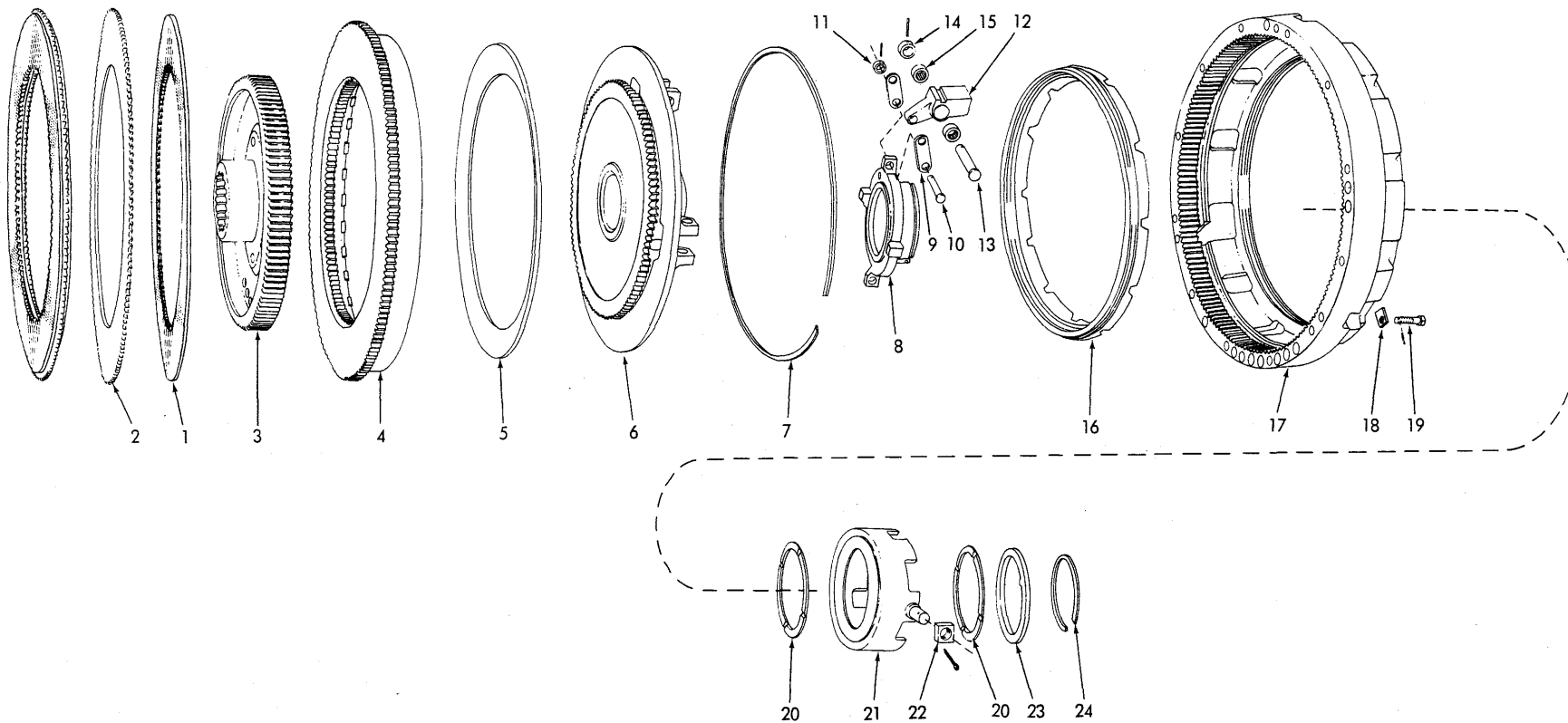
ITEM	PART NO.	QTY.	DESCRIPTION
1	628342	1	HOUSING
	651141	1	PLUG, pipe, hex-hd., 3/8"NPT
	919777	5	PIN, roll, 3/8" x 3/4"
	921019	5	PIN, roll, 7/32" x 3/4"
2	638767	5	PLUG, cup, roll pin holes (Effective with converter #203658)
3	628572	1	COVER, housing
4	035439	4	CAPSCREW, 3/8"NC x 1"
5	628571	1	GASKET, housing cover
6	628343	1	SHAFT, input
	907859	1	PLUG, pipe, hex-socket, 1/4"NPT
7	628344	2	CARRIER, front seal rings
8	628345	4	RING, sealing
9	628346	1	SUPPORT, input shaft front bearing
	910231	2	PLUG, pipe, hex-socket, 1/8"NPT
10	058936	4	CAPSCREW, 3/8"NC x 2-3/4"
11	628568	1	PISTON, relief valve
12	628569	1	SPRING, relief valve
13	628570	1	CAP, relief valve
14	638777	-	WASHER, relief valve cap (Use as req'd)
15	628367	1	KEY, front bearing support
	921465	1	CAPSCREW, flat-hd., hex-socket, #10-24NC x 3/4"
16	624652	1	BEARING, ball, input shaft, front
17	628348	1	WHEEL ASSEMBLY, guide (stationary)(Serviced only as a unit)
18	629533	1	WHEEL, impeller
19	628350	1	WASHER, impeller retaining
20	628351	1	NUT, impeller retaining
	921464	1	SETSCREW, hex-socket, dog-pt., 1/4"NC x 1/2"
21	628520	2	RING, snap, bearing retaining
22	628519	1	RING, snap, cam retaining
23	628518	1	BEARING, ball, turbine wheel, front
24	-----	1	CAM, over-running clutch (See item 55)
25	-----	14	ROLLER, over-running clutch (See item 55)

(Continued)

TORQUE CONVERTER ASSEMBLY 621462 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
26	-----	1	CAGE ASSEMBLY, clutch roller (Includes 2 spring guiding pins)	} See item 55
27	-----	2	SPRING, cage return	
28	-----	5	SPRING, bumper	
29	628510	1	SPACER, over-running clutch washer	
30	628511	1	WASHER, retaining, over-running clutch cage	
31	628509	1	RING, snap, over-running clutch cam	
32	628515	1	RACE, over-running clutch	
	918113	6	PIN, roll, 3/8" x 1"	
	921469	6	PIN, roll, 7/32" x 1"	
33	628363	1	RING, snap, bearing retaining	
34	628365	1	BEARING, roller, input shaft, rear	
35	628364	1	RING, snap, input shaft	
36	628354	1	FLANGE, turbine wheel	
37	628362	1	O-RING, turbine wheel flange	
38	628361	1	RING, snap, turbine wheel flange	
39	628478	1	WHEEL, turbine	
40	650399	6	SCREW, self-locking, 3/8"NF x 7/8"	
41	638768	6	WASHER, plain	
42	628516	1	GASKET, rear end plate	
43	628479	1	PLATE, rear end	
44	035439	14	CAPSCREW, 3/8"NC x 1"	
45	628355	1	BEARING, ball, turbine wheel, rear (Includes snap ring)	
46	628366	1	GASKET, rear bearing retainer	
47	628356	1	RETAINER, turbine wheel rear bearing	
48	035439	4	CAPSCREW, 3/8"NC x 1"	
49	013058	2	CAPSCREW, 3/8"NC x 1-1/4"	
50	628359	2	RING, sealing	
51	628358	1	CARRIER, rear seal rings	
52	628357	1	SEAL, oil, rear end	
53	629439	1	YOKE ASSEMBLY, drive shaft (Includes PLUG and FITTING indented below)	
	910011	1	PLUG, expansion, 2-1/2" diam.	
	914465	1	FITTING, lubricating, straight, 1/8"NPT	
54	628567	1	TUBE ASSEMBLY, drain, rear seal (Includes nuts)	
	914466	1	CONNECTOR, inverted flare, 3/8" tube, 1/4"NPT male	
	914328	1	ELBOW, inverted flare, 3/8" tube, 1/4"NPT male	
55	628503	1	CLUTCH KIT, over-running, torque converter (Consists of items 24 thru 31)	

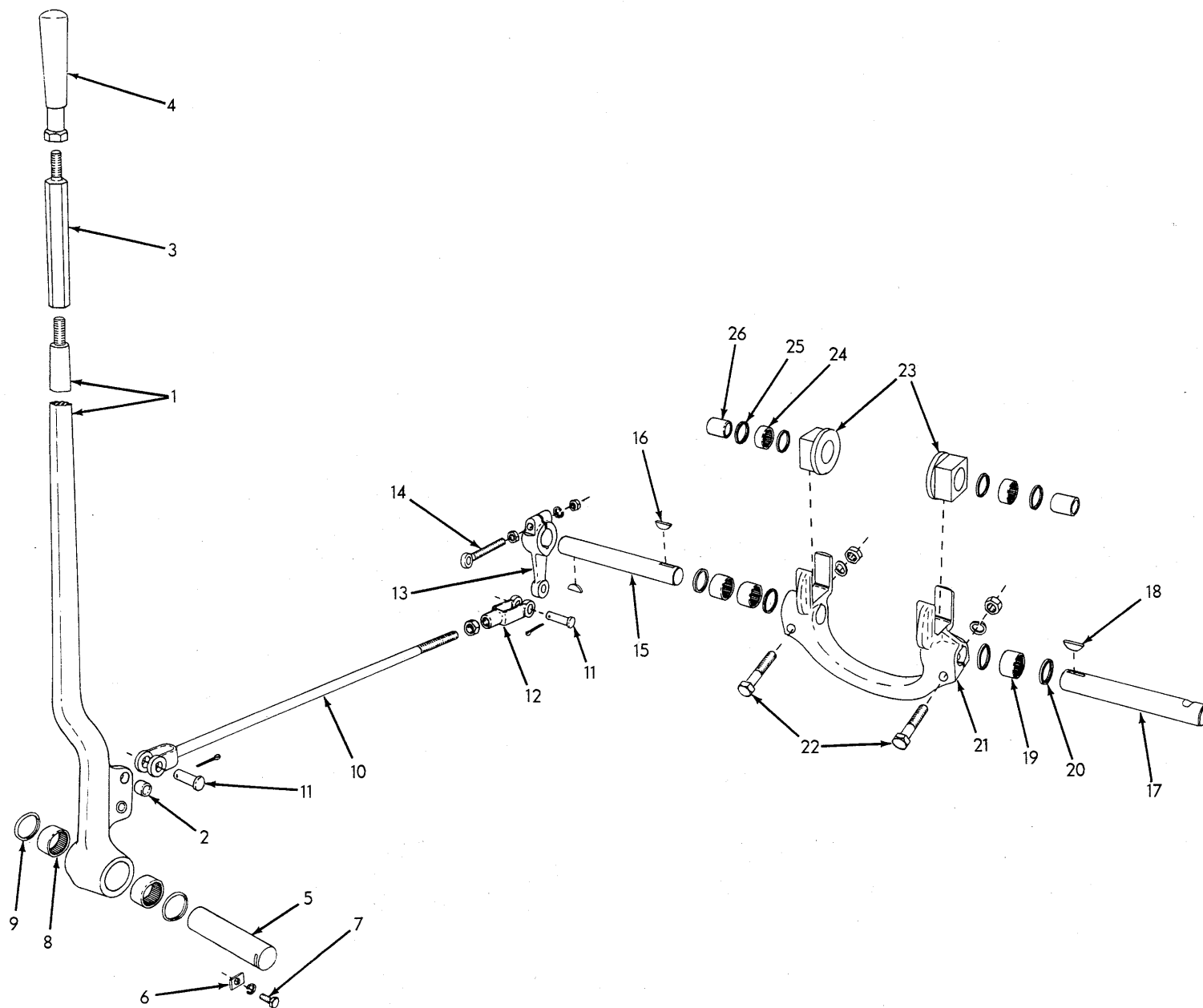
MEMO



CLUTCH ASSEMBLY 645465

USAGE: See page 153

ITEM	PART NO.	QTY.	DESCRIPTION
1	628213	3	PLATE, friction (bi-metallic)
2	628214	2	PLATE, friction (steel)
3	628212	1	HUB, clutch
4	645460	1	PLATE, pressure
5	628215	1	SPRING, belleville, pressure plate
6	628223	1	CARRIER, shifting sleeve
7	628231	1	RING, snap, pressure plate
8	628222	1	SLEEVE, shifting
9	628225	6	LINK, connecting
10	628224	6	PIN, connecting link
11	094483	6	COLLAR, connecting link pin
	919180	6	PIN, roll, 1/8" x 5/8"
12	628227	3	LEVER, actuating
13	628226	3	PIN, actuating lever
14	628233	3	COLLAR, actuating lever pin
	916202	3	PIN, roll, 1/8" x 7/8"
15	628228	6	BEARING, needle, actuating lever
16	628217	1	RING, adjusting
17	628232	1	COVER ASSEMBLY, clutch (Includes items 18 and 19)
18	628230	1	LOCK, adjusting ring
19	628229	1	CAPSCREW, drilled-end, 3/8"NC x 1-1/2"
	917735	1	PIN, roll, 3/32" x 9/16"
20	628219	2	WASHER, thrust, shifting collar
21	628218	1	COLLAR, shifting
	900938	2	PIN, cotter, 3/16" x 1"
22	054459	2	BLOCK, shifting collar
23	628220	1	PLATE, thrust, shifting sleeve
24	628221	1	RING, snap, shifting sleeve



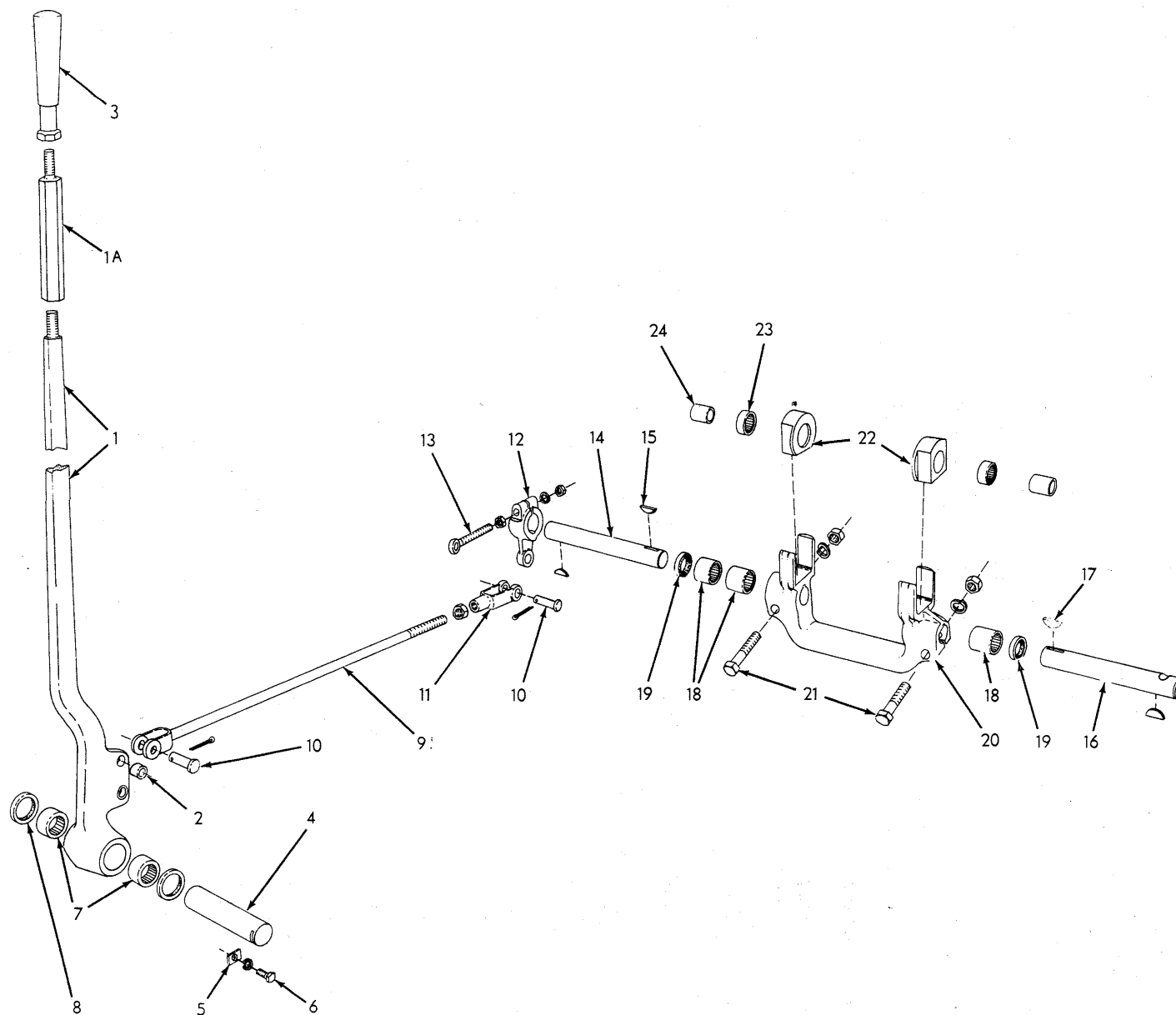
ENGINE CLUTCH CONTROL (Dry Clutch for Model HD11G)

ENGINE CLUTCH CONTROL (Dry Clutch)

USAGE: Model HD11G tractors prior to serial No. 6911

ITEM	PART NO.	QTY.	DESCRIPTION
1	620862	1	LEVER ASSEMBLY, clutch operating (Includes 2 BUSHING 049988)
2	049988	1	BUSHING, clutch operating lever
3	089182	1	EXTENSION, operating lever
4	078620	1	GRIP, operating lever
5	056945	1	SHAFT, pivot, operating lever
6	050221	1	BLOCK, shaft locking
7	047478	1	CAPSCREW, 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
8	051513	2	BEARING, needle, operating lever shaft
9	053926	2	SEAL, dust, needle bearing
10	084476	1	ROD, operating lever
	911043	1	NUT, 1/2"NF
11	049993	2	PIN, yoke
	900805	2	PIN, cotter, 1/8" x 3/4"
12	068389	1	YOKE, operating rod
13	068511	1	LEVER, shifting yoke shaft
14	080704	1	BOLT, eye
	904206	1	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
15	056872	1	SHAFT, clutch shifting yoke, left
16	036997	2	KEY, #13 woodruff, 3/16" x 1", hardened
17	056871	1	SHAFT, clutch shifting yoke, right
18	036997	1	KEY, #13 woodruff, 3/16" x 1", hardened
19	051513	3	BEARING, needle, shifting yoke shaft
20	053926	4	SEAL, dust, needle bearing
21	056873	1	YOKE, clutch shifting
22	035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
23	056865	2	BLOCK, sliding, shifting yoke (Used on all tractors except Nos. 4071 thru 4568)
	-----	2	BLOCK, sliding, shifting yoke (Used on tractors No. 4071 thru 4568. Order BLOCK 056865 and items 24 and 25)
24	050442	2	BEARING, needle, shifting yoke
25	053927	4	SEAL, dust, needle bearing
26	-----	2	RACE, inner, needle bearing (See CLUTCH ASSEMBLY 083870)

Used on all tractors
except Nos. 4071 thru 4568

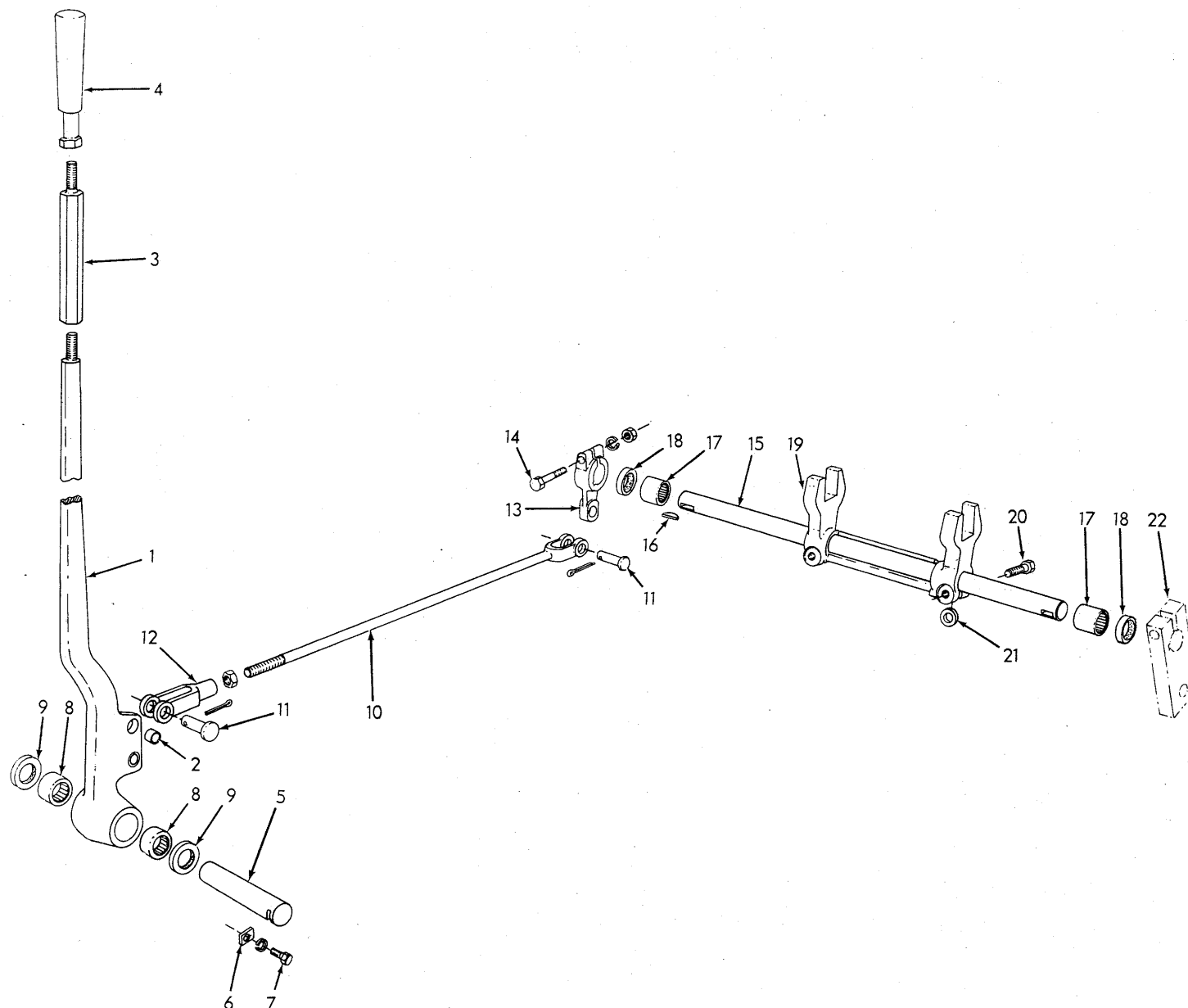


ENGINE CLUTCH CONTROL (Oil Clutch for Model HD11G)

ENGINE CLUTCH CONTROL (Oil Clutch)

USAGE: Model HD11G tractors serial No. 6911 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	620862	1	LEVER ASSEMBLY, clutch operating (Includes 2 BUSHING 049988)
1A	089182	1	EXTENSION, operating lever
2	049988	1	BUSHING, clutch operating lever
3	078620	1	GRIP, operating lever
4	056945	1	SHAFT, pivot, operating lever
5	050221	1	BLOCK, shaft locking
6	047478	1	CAPSCREW, 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
7	051513	2	BEARING, needle, operating lever shaft
8	053926	2	SEAL, dust, needle bearing
9	630050	1	ROD, operating lever
	911043	1	NUT, 1/2"NF
10	049993	2	PIN, yoke
	900805	2	PIN, cotter, 1/8" x 3/4"
11	068389	1	YOKE, operating rod
12	097784	1	LEVER, shifting yoke shaft
13	080704	1	BOLT, eye
	904206	1	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
14	630508	1	SHAFT, clutch shifting yoke, left
15	036997	2	KEY, #13 woodruff, 3/16" x 1", hardened
16	632719	1	SHAFT, clutch shifting yoke, right
17	036997	2	KEY, #13 woodruff, 3/16" x 1", hardened
18	604925	3	BEARING, needle, shifting yoke shaft
19	603010	2	SEAL, oil, shifting yoke shaft
20	632082	1	YOKE, clutch shifting
21	035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
22	053929	2	BLOCK, sliding, shifting yoke
23	050442	2	BEARING, needle, shifting yoke
24	-----	2	RACE, inner, needle bearing (See OIL CLUTCH PARTS)

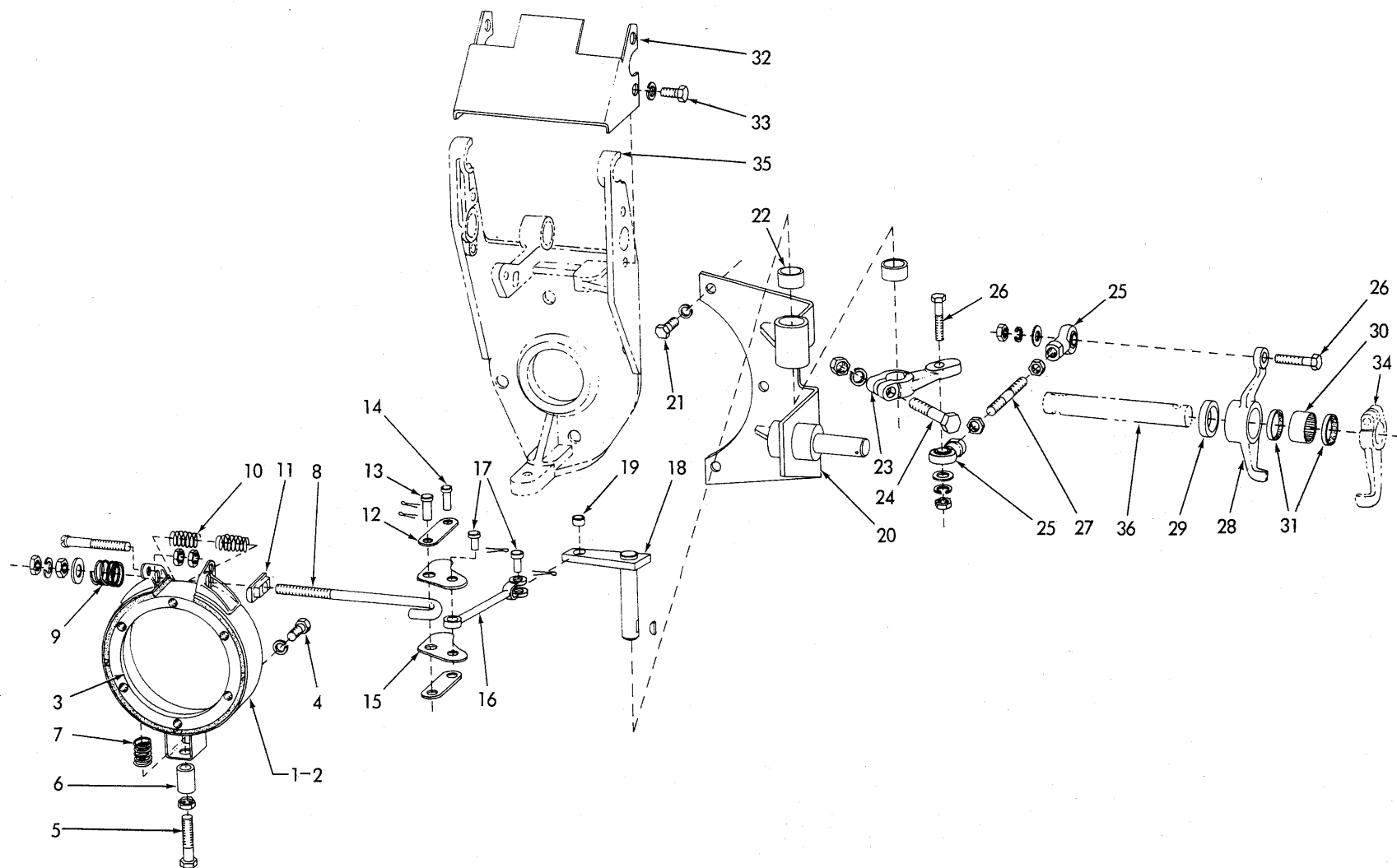


ENGINE CLUTCH CONTROL (Model HD11GC)

ENGINE CLUTCH CONTROL

USAGE: Model HD11GC only

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	620862	1	LEVER ASSEMBLY, clutch operating (Includes 2 BUSHING 049988)
2	049988	1	BUSHING, clutch operating lever
3	089182	1	EXTENSION, operating lever
4	078620	1	GRIP, operating lever
5	056945	1	SHAFT, pivot, operating lever
6	050221	1	BLOCK, shaft retaining
7	047478	1	CAPSCREW, 1/2"NC x 5/8"
	904204	1	LOCKWASHER, 5/8"
8	051513	2	BEARING, needle, operating lever shaft
9	053926	2	SEAL, dust, needle bearing
10	084476	1	ROD, operating lever
	911043	1	NUT, 1/2"NF
11	049993	2	PIN, yoke
	900805	2	PIN, cotter, 1/8" x 3/4"
12	068389	1	YOKE, operating rod
13	621021	1	LEVER, shifting fork shaft
14	046419	1	CAPSCREW, 3/8"NF x 2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
15	621055	1	SHAFT, clutch shifting fork
16	036997	1	KEY, #13 woodruff, 3/16" x 1", hardened
17	604925	2	BEARING, needle, shifting fork shaft
18	628125	2	SEAL, oil, shifting fork shaft
19	628368	1	FORK, clutch shifting
20	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
21	052747	2	KEY, clutch shifting fork
22	-----	-	LEVER, shifting lock (See GEAR SHIFT)



ENGINE CLUTCH BRAKE

T-72055

ENGINE CLUTCH BRAKE

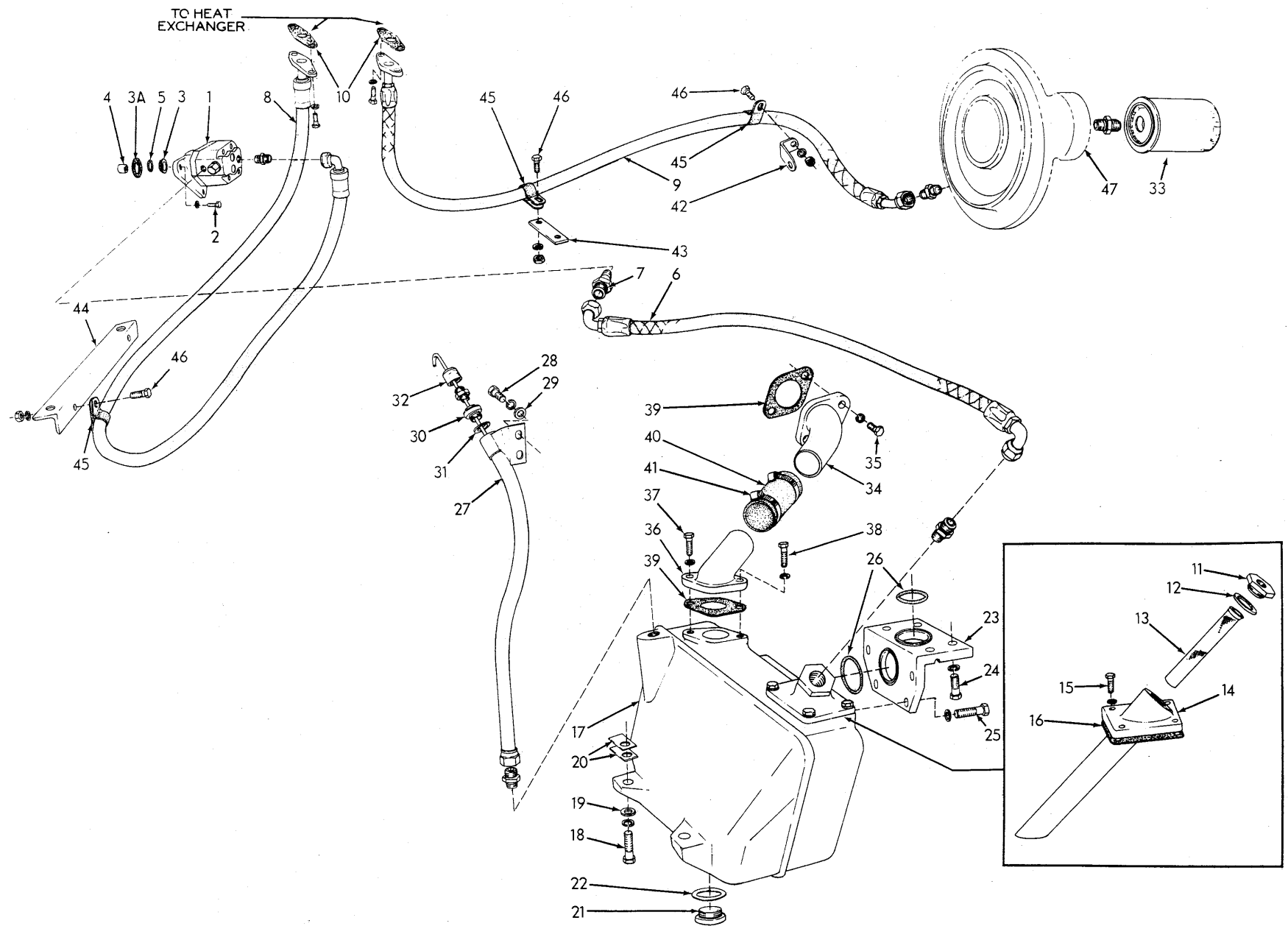
USAGE: Model HD11G tractors serial No. 6911 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	630169	1	BAND ASSEMBLY, brake (Includes item 2)
	907620	1	SCREW, machine, fil-hd., 1/4"NC x 2-3/4"
	911024	2	NUT, 1/4"NC
2	-----	4	LINING, brake band (Not serviced separately)
3	630040	1	DRUM, brake
4	035439	6	CAPSCREW, 3/8"NC x 1"
	904206	6	LOCKWASHER, 3/8"
5	630493	1	CAPSCREW, band supporting
	911025	1	NUT, 5/16"NC
6	630498	1	SPACER, band supporting screw
7	059981	1	SPRING, band supporting
8	630510	1	BOLT, band adjusting
	912298	1	WASHER, plain, SAE std., 7/16"
	904207	1	LOCKWASHER, 7/16"
	914879	2	NUT, jam, 7/16"NC
9	050972	1	SPRING, band adjusting bolt
10	619260	2	SPRING, band expanding
11	059973	1	SHOE, cam lever
12	059971	2	LINK, cam lever
13	049993	1	PIN, cam lever link, rear
	900805	1	PIN, cotter, 1/8" x 3/4"
14	094317	1	PIN, cam lever link, front
	900805	1	PIN, cotter, 1/8" x 3/4"
15	059969	2	LEVER, cam (Used prior to tractor #8150)
	639974	2	LEVER, cam (Effective with tractor #8150)
16	630446	1	LINK, connecting
17	078810	2	PIN, connecting link
	900802	2	PIN, cotter, 3/32" x 1"
18	-----	1	LEVER, brake control, upper (Includes item 19)(Used prior to tractor #7833. Order LEVER 638788)
	638788	1	LEVER, brake control, upper (Used on tractors #7833 thru #8149)
	639954	1	LEVER, brake control, upper (Effective with tractor #8150)
19	624584	1	BUSHING, brake control lever (Used prior to tractor #7833)
20	630521	1	BRACKET ASSEMBLY, lever supporting (Includes item 22)
21	070960	3	CAPSCREW, 3/8"NC x 1-1/2"
	904206	3	LOCKWASHER, 3/8"

(Continued)

ENGINE CLUTCH BRAKE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	052669	2	BUSHING, lever supporting bracket
23	{ 055416	1	LEVER, brake control, intermediate (Used prior to tractor #8150)
	{ 639952	1	LEVER, brake control, intermediate (Effective with tractor #8150)
24	{ 905121	1	KEY, #5 woodruff, 1/8" x 5/8"
	{ 037450	1	CAPSCREW, 5/16"NC x 1-1/4"
	{ 904205	1	LOCKWASHER, 5/16"
	{ 035336	1	CAPSCREW, 3/8"NF x 1-3/4"
	{ 904206	1	LOCKWASHER, 3/8"
	{ 911041	1	NUT, 3/8"NF
25	617932	2	END, control rod
26	{ 203188	2	CAPSCREW, 3/8"NF x 1-1/2" (Used prior to tractor #8150)
	{ 035336	2	CAPSCREW, 3/8"NF x 1-3/4" (Effective with tractor #8150)
	{ 911115	2	WASHER, plain, SAE std., 3/8"
	{ 904206	2	LOCKWASHER, 3/8"
	{ 911041	2	NUT, 3/8"NF
27	630484	1	ROD, control
	911048	2	NUT, jam, 3/8"NF
28	630437	1	LEVER, brake control, lower
29	632072	1	SPACER, brake control lever
30	051513	1	BEARING, needle, brake control lever
31	053926	2	SEAL, dust, needle bearing
32	633047	1	COVER, dirt shielding (Effective with tractor #7561)
33	035244	4	CAPSCREW, 3/8"NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
34	-----	-	LEVER (See SPEED SELECTION GEAR SHIFT)
35	-----	-	BRACKET (See ENGINE CLUTCH AND HOUSING)
36	-----	-	SHAFT, shifting yoke (See ENGINE CLUTCH CONTROL)



ENGINE CLUTCH OILING SYSTEM

ENGINE CLUTCH OILING SYSTEM

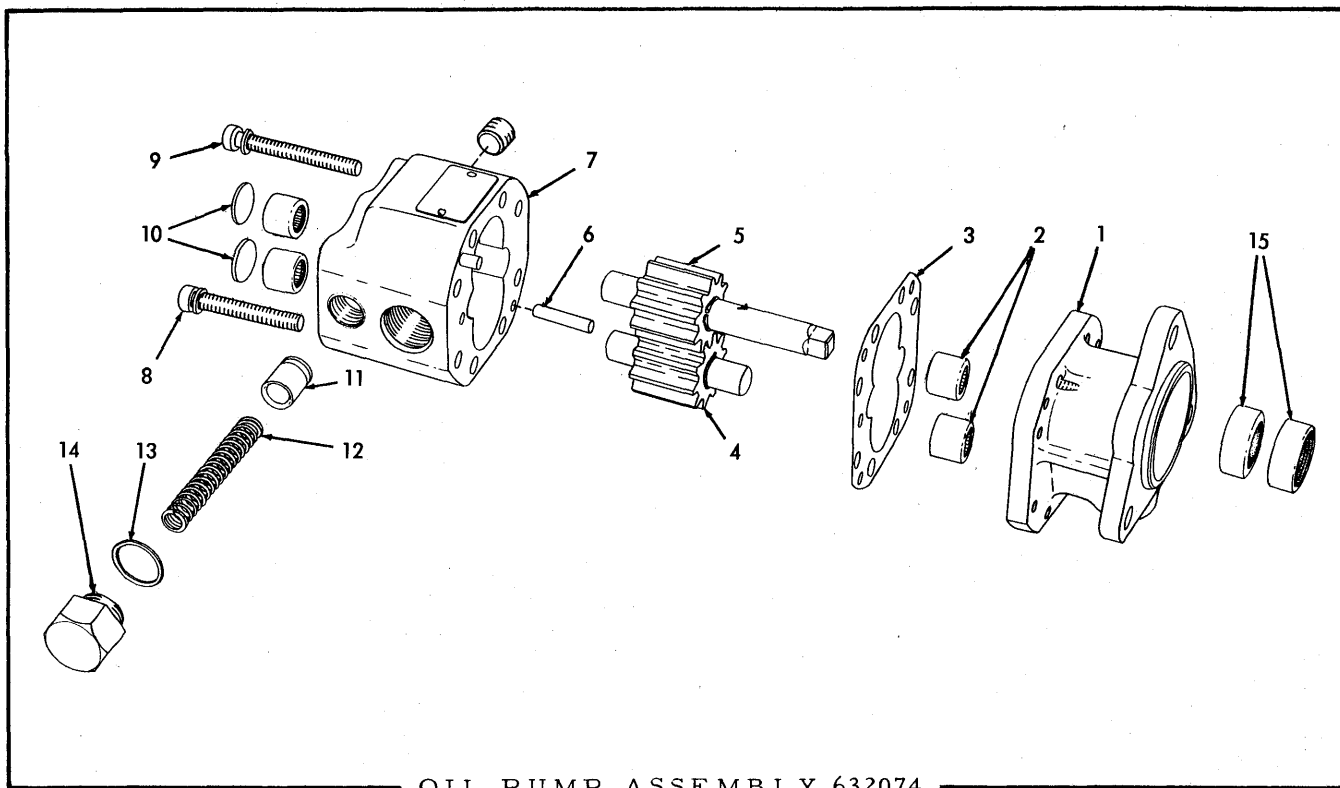
USAGE: Model HD11G tractors serial No. 6911 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	632074	1	PUMP ASSEMBLY, oil (See page 175 for parts)
2	054130	3	CAPSCREW, 5/16"NC x 7/8"
	904205	3	LOCKWASHER, 5/16"
3	621485	1	RING, pump adapting
3A	633459	1	GASKET, pump adapting ring
4	624122	1	COUPLING, pump drive
5	099941	1	O-RING, pump sealing
6	630215	1	HOSE ASSEMBLY, tank to pump (See page 6 for parts)
	919246	1	CONNECTOR, flare type, 1" tube, 3/4"NPT male
7	630216	1	CONNECTOR, hose adapting
8	643989	1	HOSE, pump to heat exchanger (See page 6)
	919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
9	630241	1	HOSE ASSEMBLY, heat exchanger to filter (See page 6 for parts)
	919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
10	630407	2	GASKET, hose flange
11	620072	1	ADAPTOR, oil tank
12	035249	1	GASKET, oil tank adaptor
13	621039	1	SCREEN, oil
14	623328	1	COVER, oil tank
15	013058	4	CAPSCREW, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
16	623329	1	GASKET, oil tank cover
17	630033	1	TANK, oil
18	035236	2	CAPSCREW, 1/2"NC x 1-3/4"
	904208	2	LOCKWASHER, 1/2 "
19	064531	2	WASHER, plain
20	622520	2	SHIM, tank mounting (1/16" thick. Use as req'd)
	622521	6	SHIM, tank mounting (1/32" thick. Use as req'd)
21	035250	1	PLUG, oil drain
22	035249	1	GASKET, oil drain plug
23	620348	1	ELBOW, connecting, flywheel housing to tank
24	035061	4	CAPSCREW, 1/2 "NC x 1-1/4"
25	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"

(Continued)

ENGINE CLUTCH OILING SYSTEM (Continued)

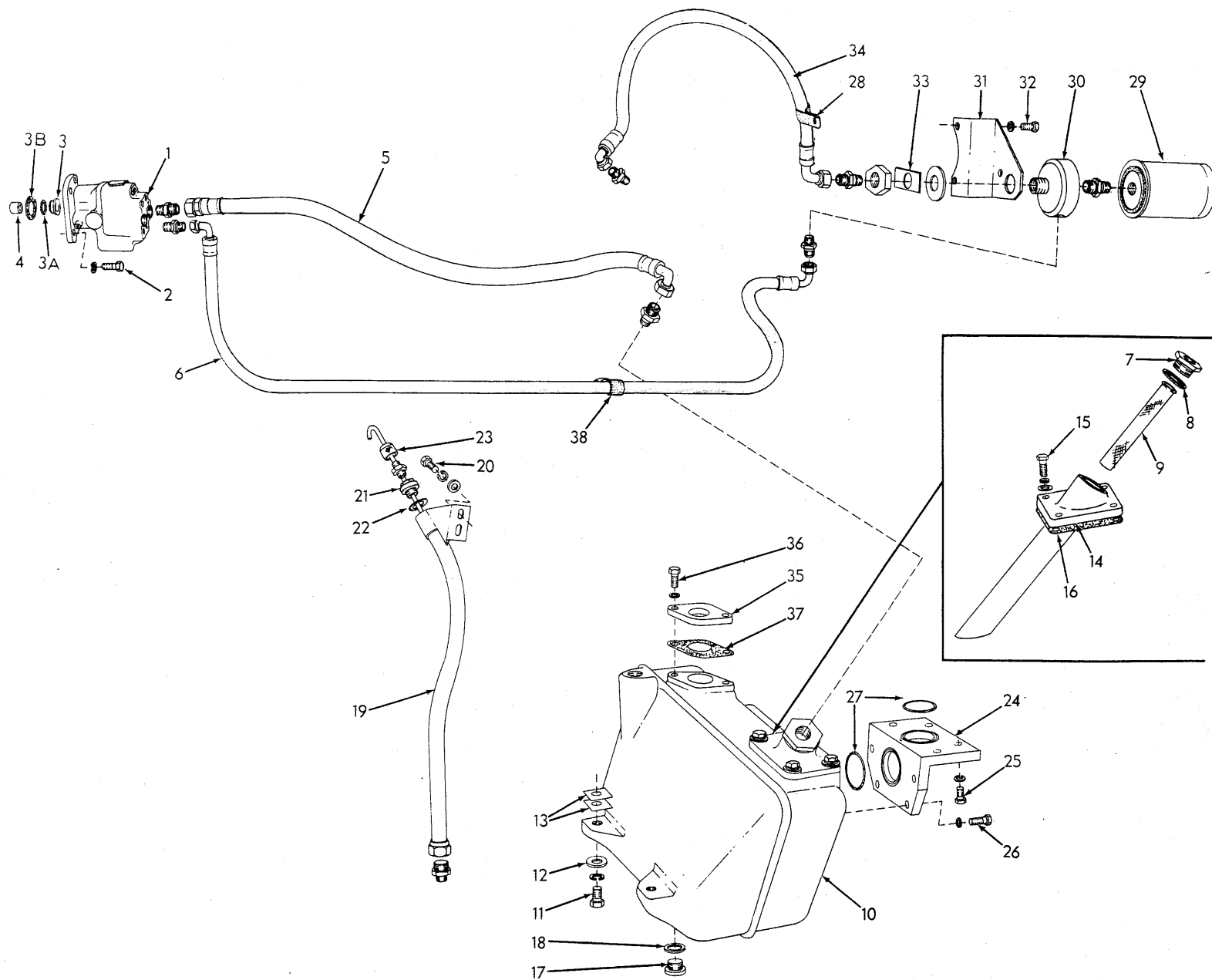
ITEM	PART NO.	QTY.	DESCRIPTION
26	923814	2	O-RING, oil return elbow
27	630096	1	TUBE ASSEMBLY, oil filler (Includes nut)
	919246	1	CONNECTOR, flare type, 1" tube, 3/4"NPT male
28	035733	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	2	LOCKWASHER, 1/2"
29	064531	2	WASHER, plain
30	621183	1	PLUG, oil filler
31	035249	1	GASKET, oil filler plug
32	629183	1	GAUGE, oil level
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
33	4511629	1	FILTER ASSEMBLY, oil (Serviced only as a unit)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
34	630046	1	ELBOW, oil return, upper
35	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
36	630035	1	ELBOW, oil return, lower
37	040382	1	CAPSCREW, 3/8"NC x 1-3/8" (Also attaches hose supporting clip)
38	013058	1	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
39	630030	2	GASKET, oil return elbow
40	623234	1	HOSE, oil return
41	921913	2	CLAMP, oil return hose
42	628821	1	SUPPORT, hose
43	098108	1	PLATE, hose supporting clip
44	630494	1	ANGLE, hose supporting
45	621451	4	CLIP, hose supporting
46	036032	4	CAPSCREW, 3/8"NF x 3/4"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8"NF
47	-----	-	RETAINER (See ENGINE CLUTCH AND HOUSING)



OIL PUMP ASSEMBLY 632074

USAGE: See page 173

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	-----	1	STATOR (Not serviced separately)
2	077241	4	BEARING, needle
3	621363	1	GASKET, pump housing
4	098394	1	SHAFT ASSEMBLY, idler (Includes gear. Serviced only as a unit)
5	623845	1	SHAFT ASSEMBLY, driving (Includes gear. Serviced only as a unit)
6	4048000	2	PIN, dowel, pump housing
7	-----	1	HOUSING, gear (Not serviced separately)
	910231	1	PLUG, pipe, hex-socket, 1/8"NPT
8	622083	4	SCREW ASSEMBLY, short (Includes lockwasher)
9	623834	4	SCREW ASSEMBLY, long (Includes lockwasher)
10	092107	2	PLUG, expansion, 11/16" diam.
11	623835	1	PLUNGER, pressure relief valve
12	623838	1	SPRING, pressure relief valve
13	623837	1	GASKET, pressure relief valve cap
14	623836	1	CAP, pressure relief valve
15	4047783	2	SEAL, pump shaft



TORQUE CONVERTER OIL SUPPLY

TORQUE CONVERTER OIL SUPPLY

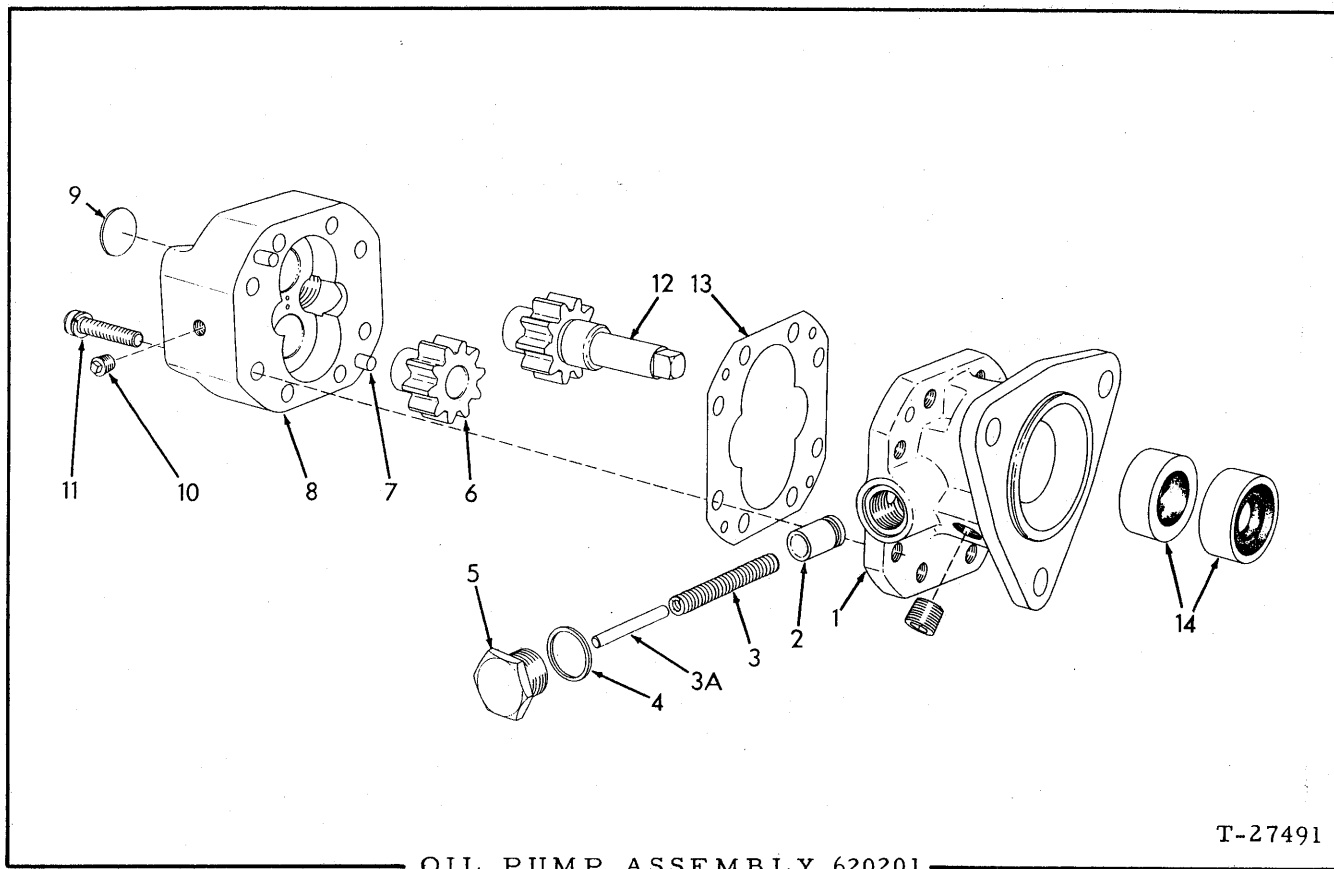
USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	620201	1	PUMP ASSEMBLY, oil (See page 179 for parts)
2	054130	3	CAPSCREW, 5/16"NC x 7/8"
	904205	3	LOCKWASHER, 5/16"
3	621485	1	RING, pump adapting
3A	099941	1	O-RING, pump sealing
3B	633459	1	GASKET, pump adapting ring
4	624122	1	COUPLING, pump drive
5	644003	1	HOSE, tank to pump (See page 6)
	919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
6	644004	1	HOSE, pump to filter (See page 6)
	919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
7	620072	1	ADAPTOR, oil tank
8	035249	1	GASKET, oil tank adaptor
9	621039	1	SCREEN, oil
10	623325	1	TANK, oil (Used prior to tractor #6798)(Order 1 TANK 630033, 1 PLATE 630059, 1 GASKET 630030, 2 CAPSCREW 044249 and 2 LOCKWASHER 904206)
	630033	1	TANK, oil (Effective with tractor #6798)
	907856	1	PLUG, pipe, hex-socket, 3/8"NPT (Used prior to tractor #6798)
11	035236	2	CAPSCREW, 1/2"NC x 1-3/4"
	904208	2	LOCKWASHER, 1/2"
12	064531	2	WASHER, plain
13	622520	2	SHIM, tank mounting (1/16" thick. Use as required)
	622521	6	SHIM, tank mounting (1/32" thick. Use as required)
14	623328	1	COVER, oil tank
15	013058	4	CAPSCREW, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
16	623329	1	GASKET, oil tank cover
17	035250	1	PLUG, oil drain'
18	035249	1	GASKET, oil drain plug
19	630096	1	TUBE ASSEMBLY, oil filler (Includes nut)
	919246	1	CONNECTOR, flare type, 1" tube, 3/4"NPT male
20	035733	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain

(Continued)

TORQUE CONVERTER OIL SUPPLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	621183	1	PLUG, oil filler
22	035249	1	GASKET, oil filler plug
23	629183	1	GAUGE, oil level
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
24	620348	1	ELBOW, oil return
25	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
26	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
27	923814	2	O-RING, oil return elbow
28	094467	1	CLIP, hose supporting (3/4" diam.)(Used prior to tractor #8941)
	644713	1	CLIP, hose supporting (7/8" diam.)(Effective with tractor #8941)
29	4511629	1	FILTER ASSEMBLY, oil (Serviced only as a unit)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
30	620877	1	HEAD, filter
	911159	1	WASHER, plain, SAE std., 1"
	911051	1	NUT, jam, 1"NF
31	620857	1	BRACKET, filter mounting
32	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
33	620730	1	LOCK, filter head nut
34	647930	1	HOSE, filter to torque converter (See page 6)
	919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
35	630059	1	PLATE, cover, oil tank (Effective with tractor #6798)
36	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
37	630030	1	GASKET, oil tank cover plate (Effective with tractor #6798)
38	094467	1	CLIP, hose supporting (3/4" diam.)(Used prior to tractor #8941)
	643932	1	CLIP, hose supporting (13/16" diam.)(Effective with tractor #8941)

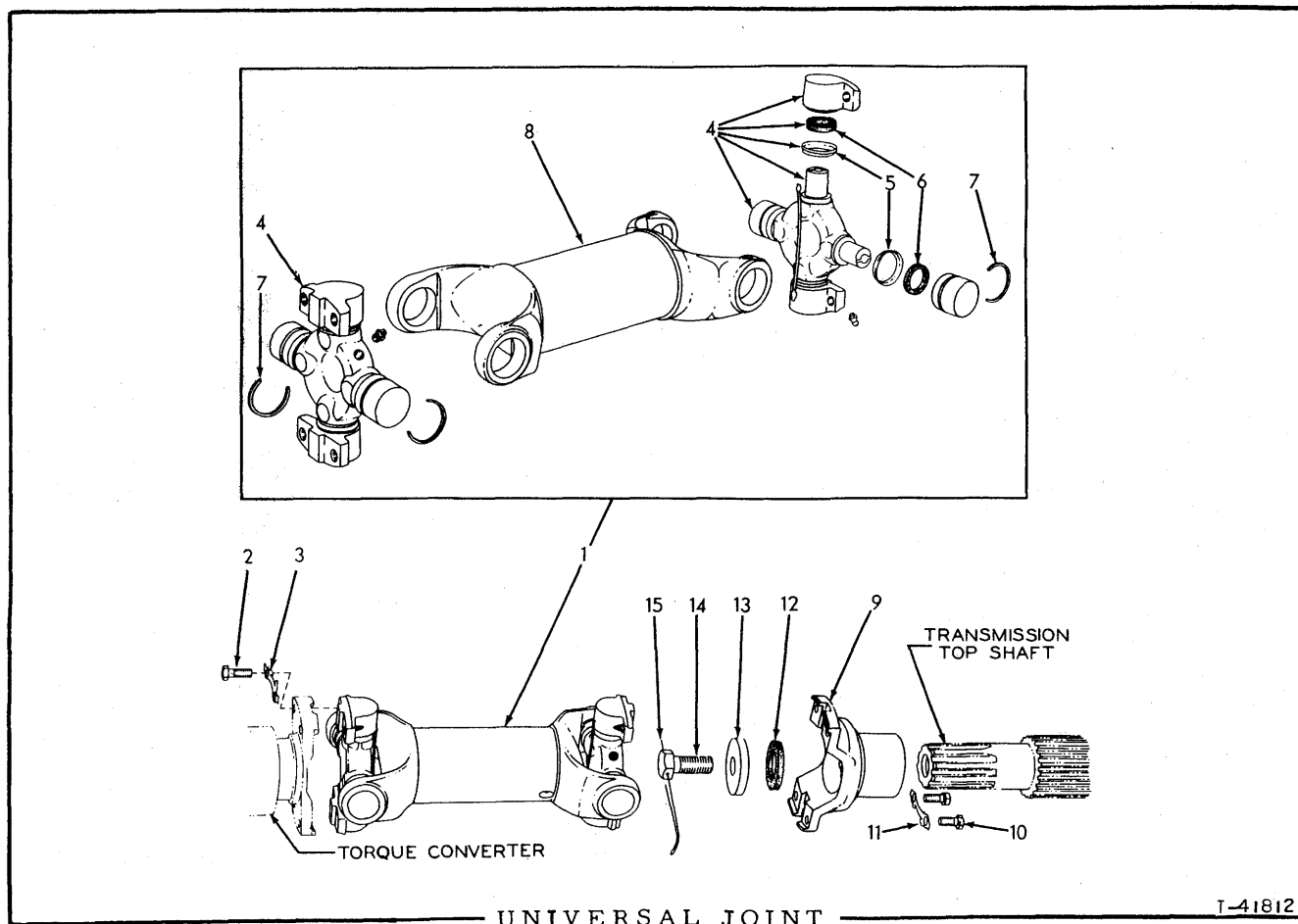


OIL PUMP ASSEMBLY 620201

T-27491

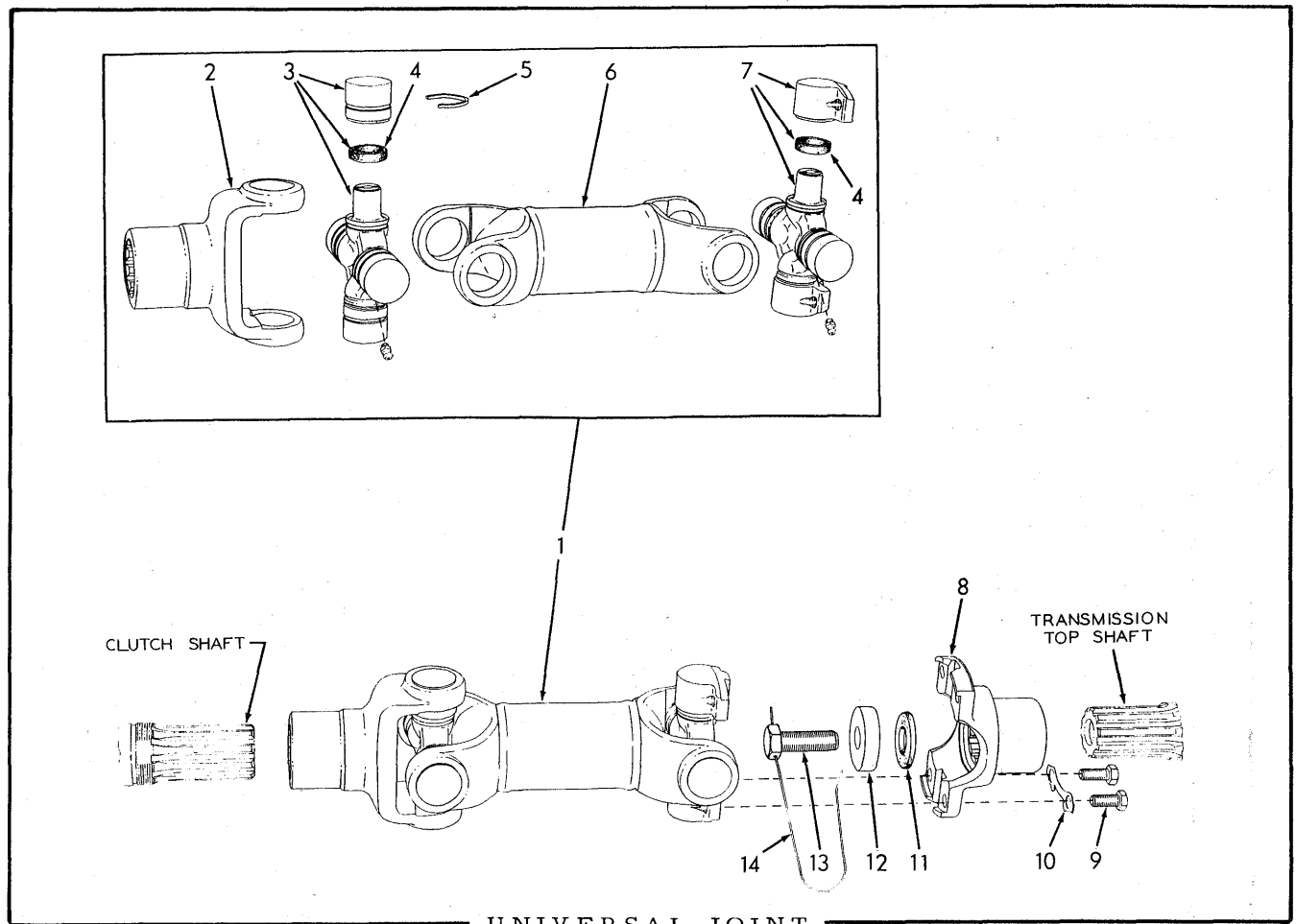
USAGE: See page 177

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	STATOR (Not serviced separately)
	910231	2	PLUG, pipe, hex-socket, 1/8"NPT
2	4047994	1	PLUNGER, pressure relief
3	076259	1	SPRING, pressure relief plunger
3A	4047993	1	PIN, pressure relief spring
4	4048002	1	GASKET, pressure relief spring plug
5	4048001	1	PLUG, pressure relief spring
6	621315	1	GEAR, driven
7	4048000	2	PIN, dowel, stator to housing
8	-----	1	HOUSING (Not serviced separately)
9	092107	2	PLUG, expansion, 11/16" diam.
10	628468	1	PLUG, pipe, 1/16"NPT
11	077239	8	SCREW ASSEMBLY (Includes lockwasher)
12	621316	1	SHAFT ASSEMBLY (Includes driving gear)
13	621363	1	GASKET, pump housing
14	4047783	2	SEAL, pump shaft



USAGE: Model HD11GC

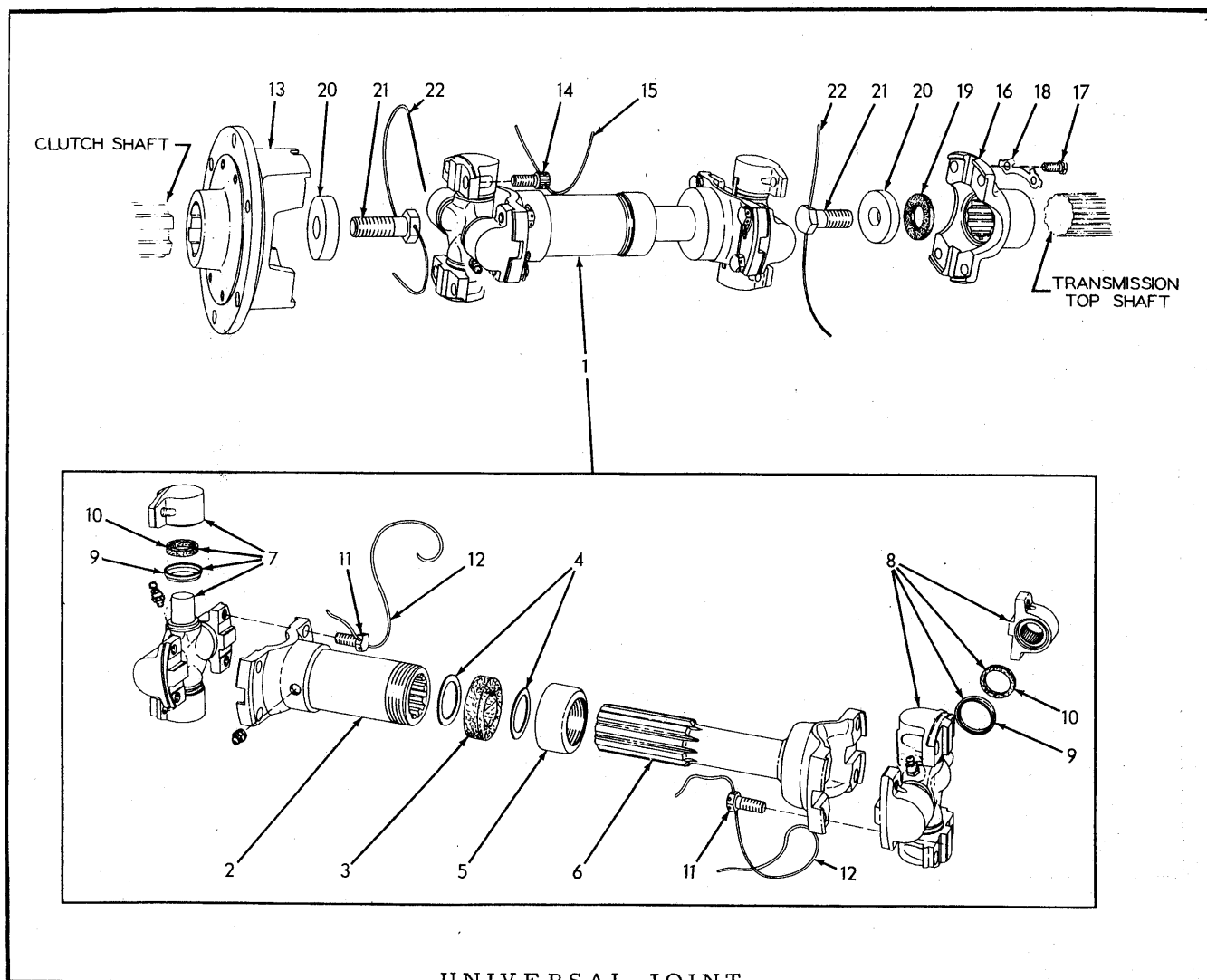
ITEM	PART NO.	QTY.	DESCRIPTION
1	620945	1	JOINT ASSEMBLY, universal (Consists of items 4 thru 8)
2	036034	4	CAPSCREW, 3/8"NF x 1"
3	059876	2	LOCK, capscREW
4	084435	2	SPIDER ASSEMBLY, universal joint (Includes bearings, items 5 and 6)
	914687	2	FITTING indented below. Serviced only as a unit)
			FITTING, lubricating, straight, 1/4"NF
5	059873	8	SHIELD, dust
6	076461	8	WASHER, sealing, spider bearing (cork)
7	059879	4	RING, snap, bearing retaining
8	620942	1	TUBE, connecting
9	624528	1	YOKE, rear
10	035167	4	CAPSCREW, 3/8"NF x 7/8"
11	059876	2	LOCK, capscREW
12	059813	1	SEAL, yoke (rubber)
13	078314	1	WASHER, yoke retaining
14	075950	1	CAPSCREW, yoke retaining
15	023633	1	WIRE, locking (1/16" x 12")



UNIVERSAL JOINT

USAGE: Model HD11G tractors prior to serial No. 6911

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	084334	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 7)
2	084528	1	YOKE, front
3	084537	1	SPIDER ASSEMBLY, front (Includes bearings, item 4, and FITTING indented below. Serviced only as a unit)
	914687	1	FITTING, lubricating, straight, 1/4"NF
4	076461	8	WASHER, sealing, spider bearing (cork)
5	059879	6	RING, snap, bearing retaining
6	084536	1	TUBE, connecting
7	084545	1	SPIDER ASSEMBLY, rear (Includes bearings, item 4, and FITTING indented below. Serviced only as a unit)
	914687	1	FITTING, lubricating, straight, 1/4"NF
8	084586	1	YOKE, rear
9	035167	4	CAPSCREW, 3/8"NF x 7/8"
10	059876	2	LOCK, capscrew
11	050548	1	SEAL, rear yoke (rubber)
12	050547	1	WASHER, rear yoke retaining
13	070162	1	CAPSCREW, rear yoke retaining
14	023633	1	WIRE, locking (1/16" x 12")



UNIVERSAL JOINT

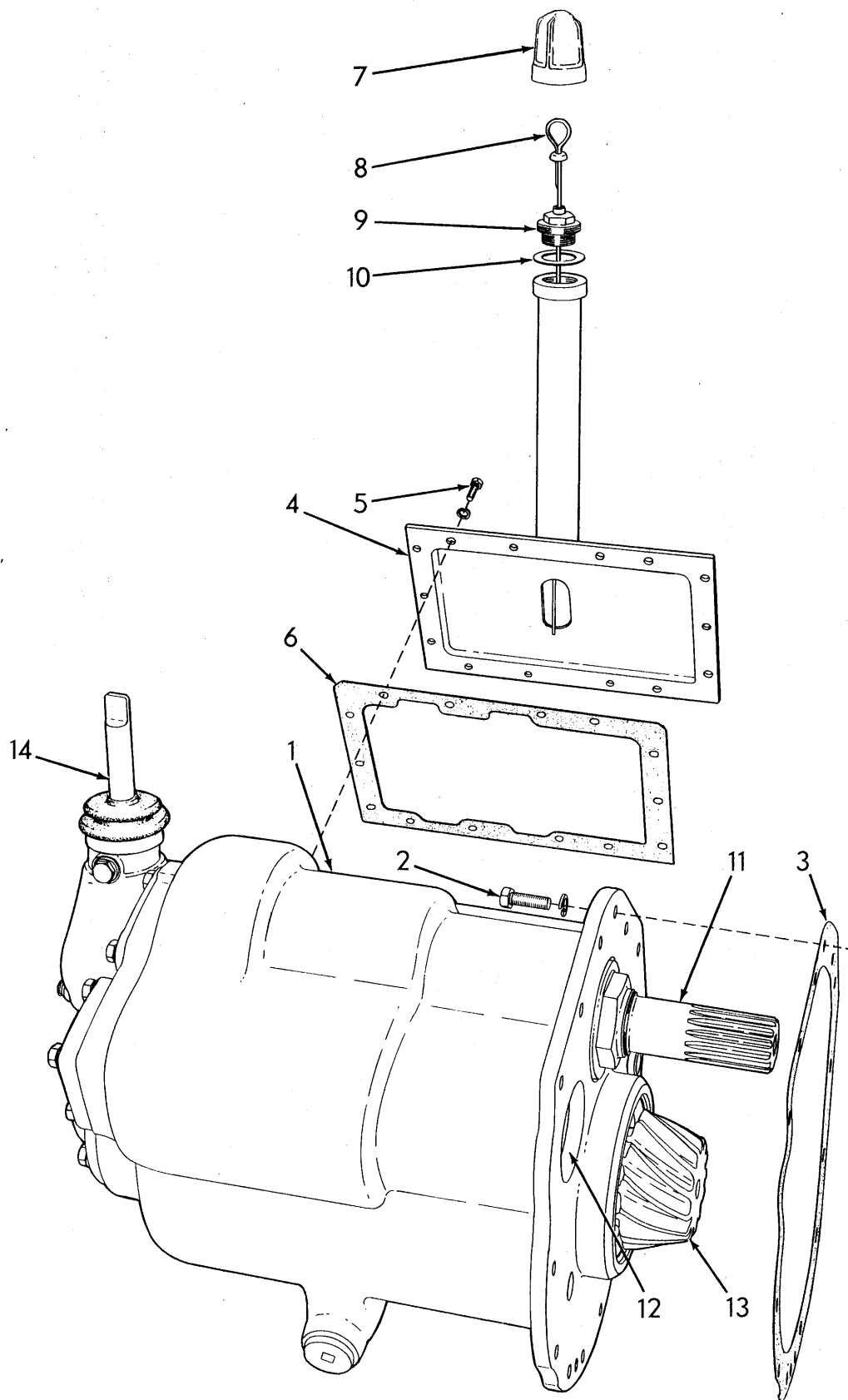
USAGE: Model HD11G tractors serial No. 6911 and up. Used with oil master clutch

ITEM	PART NO.	QTY.	DESCRIPTION
1	630029	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 12)
2	631359	1	YOKE, slip (front)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
3	631355	1	WASHER, sealing, slip yoke (felt)
4	631356	2	WASHER, slip yoke seal (steel)
5	631358	1	RETAINER, sealing washer
6	631357	1	YOKE, stub (rear)
7	086752	1	SPIDER ASSEMBLY, front (Includes bearings, items 9 and 10 and FITTING indented below) (Serviced only as a unit)
	912808	1	FITTING, lubricating, straight, 1/4"NF

(Continued)

UNIVERSAL JOINT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	086747	1	SPIDER ASSEMBLY, rear (Includes bearings, items 9 and 10 and FITTING indented below)(Serviced only as a unit)
	912808	1	FITTING, lubricating, straight, 1/4"NF
9	059873	8	SHIELD, dust
10	076461	8	WASHER, sealing (cork)
11	074155	8	CAPSCREW, coupling
12	023633	4	WIRE, locking (1/16" x 12")
13	630023	1	YOKE, front
14	620778	4	CAPSCREW
15	023633	2	WIRE, locking (1/16" x 12")
16	084586	1	YOKE, rear
17	035167	4	CAPSCREW, 3/8"NF x 7/8"
18	059876	2	LOCK, capscREW
19	050548	1	SEAL, rear yoke (rubber)
20	050547	2	WASHER, yoke retaining
21	070162	2	CAPSCREW, yoke retaining
22	023633	2	WIRE, locking (1/16" x 12")

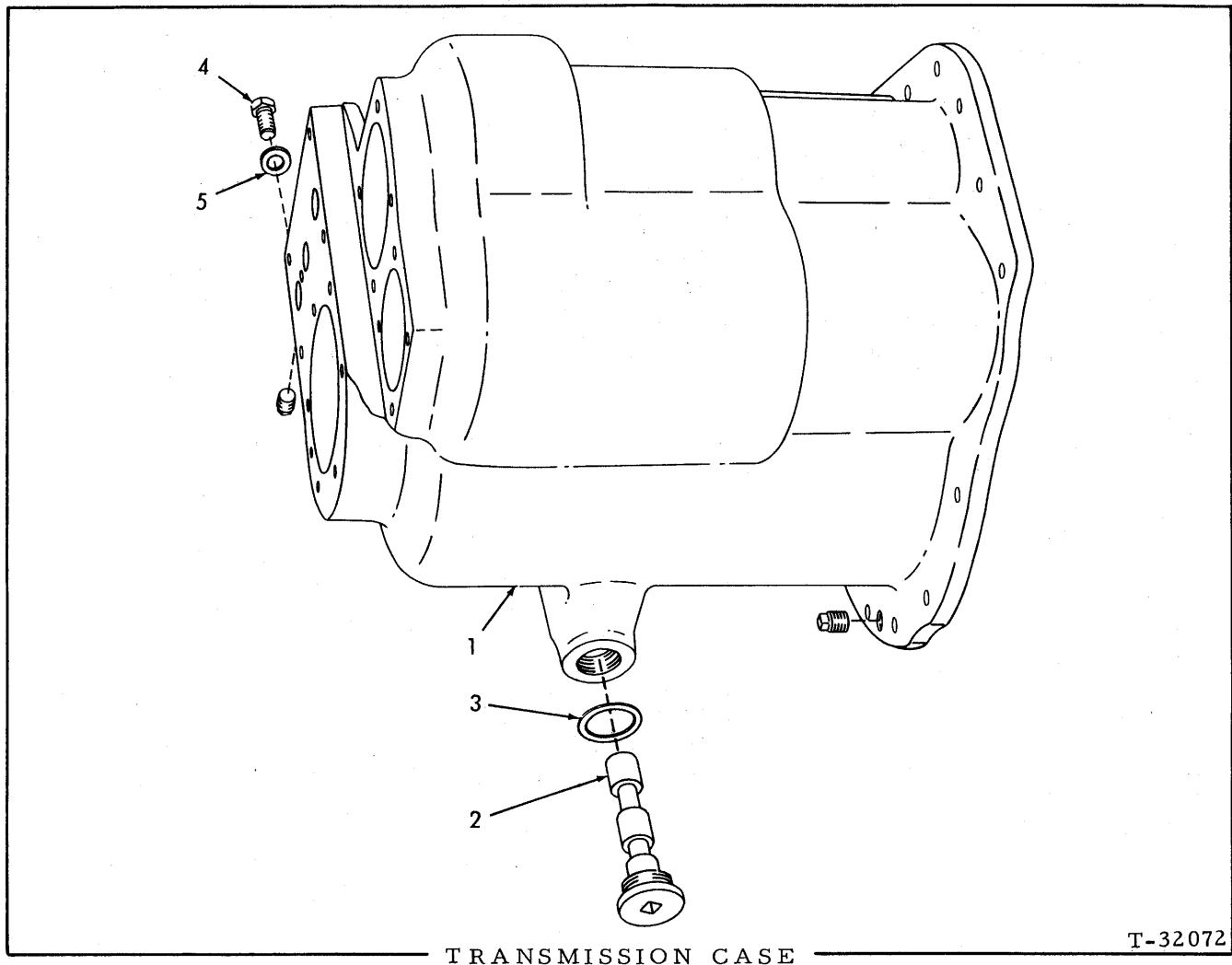


TRANSMISSION ASSEMBLY (Model HD11GC)

TRANSMISSION ASSEMBLY

USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	621177	1	TRANSMISSION ASSEMBLY (Includes Gears, Shafts and Forks)
2	035018	14	CAPSCREW, 1/2"NF x 1-1/2"
	904208	14	LOCKWASHER, 1/2"
3	623618	1	GASKET, case to steering clutch housing
4	630061	1	COVER, side
5	035439	11	CAPSCREW, 3/8"NC x 1"
	904206	11	LOCKWASHER, 3/8"
6	075391	1	GASKET, side cover
7	034265	1	CAP, oil level gauge rod
8	630063	1	ROD, gauge, transmission oil level
9	089814	1	PLUG, transmission oil filling hole
10	034269	1	GASKET, oil level gauge rod cap
11	-----	-	See TRANSMISSION TOP SHAFT
12	-----	-	See TRANSMISSION REVERSE SHAFT
13	-----	-	See TRANSMISSION PINION SHAFT
14	-----	-	See GEAR SHIFT

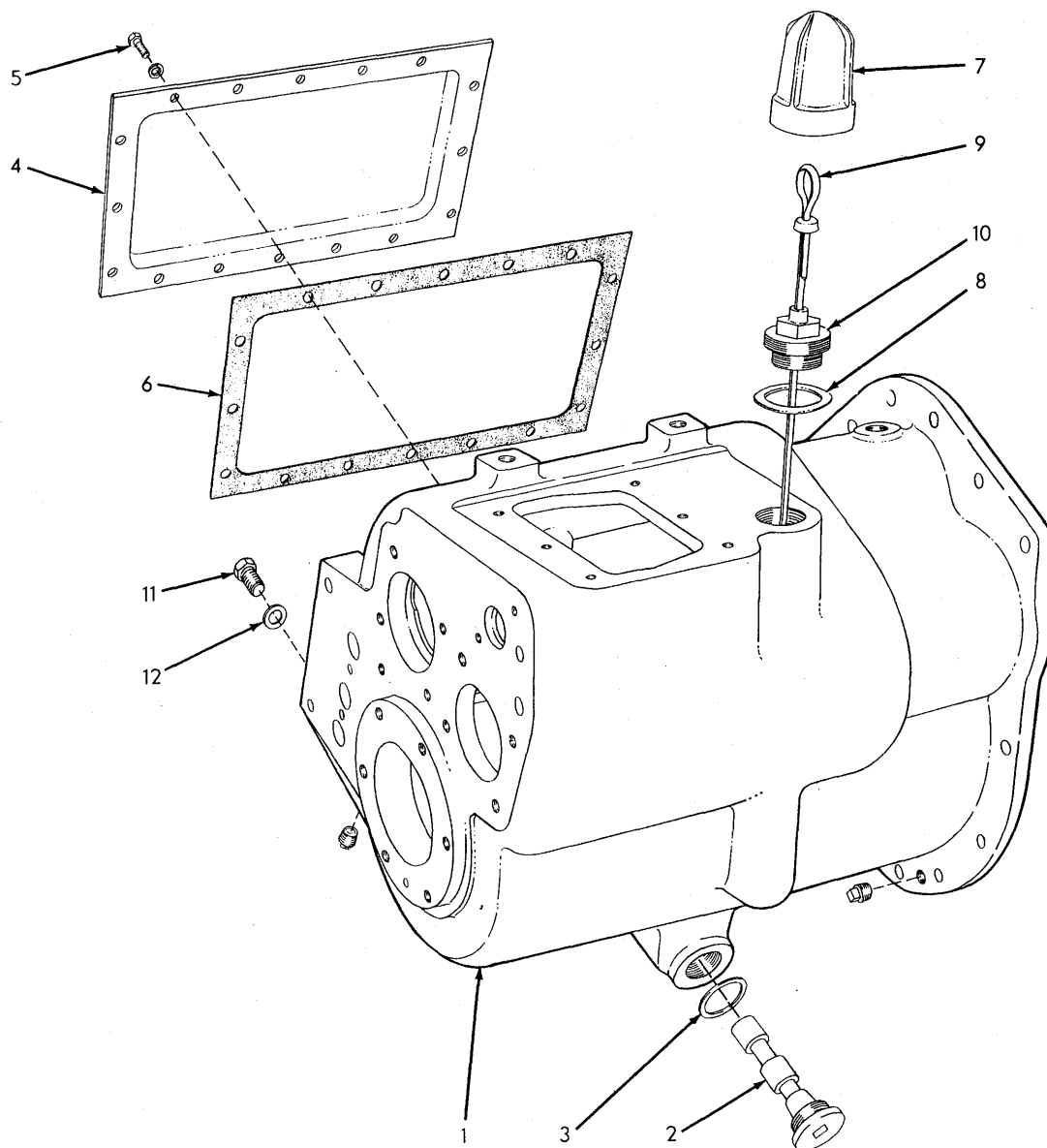


USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	623862	1	CASE, transmission
	901653	2	PLUG, pipe, 3/8"NPT (1 less used effective with tractor #8915)
2	067543	1	PLUG, drain hole (magnetic)
3	035249	1	GASKET, drain plug
4	035159	3	CAPSCREW, hole plugging (5/8"NF x 1")
5	049918	3	WASHER, hole plugging capscrow (copper)

TRANSMISSION ASSEMBLY (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
3	623618	1	GASKET, case to steering clutch housing
4	-----	-	See TRANSMISSION TOP SHAFT
5	-----	-	See TRANSMISSION INTERMEDIATE SHAFT
6	-----	-	See TRANSMISSION PINION SHAFT
7	-----	-	See FORWARD HIGH-LOW GEAR SHIFT
8	-----	-	See SPEED SELECTION GEAR SHIFT

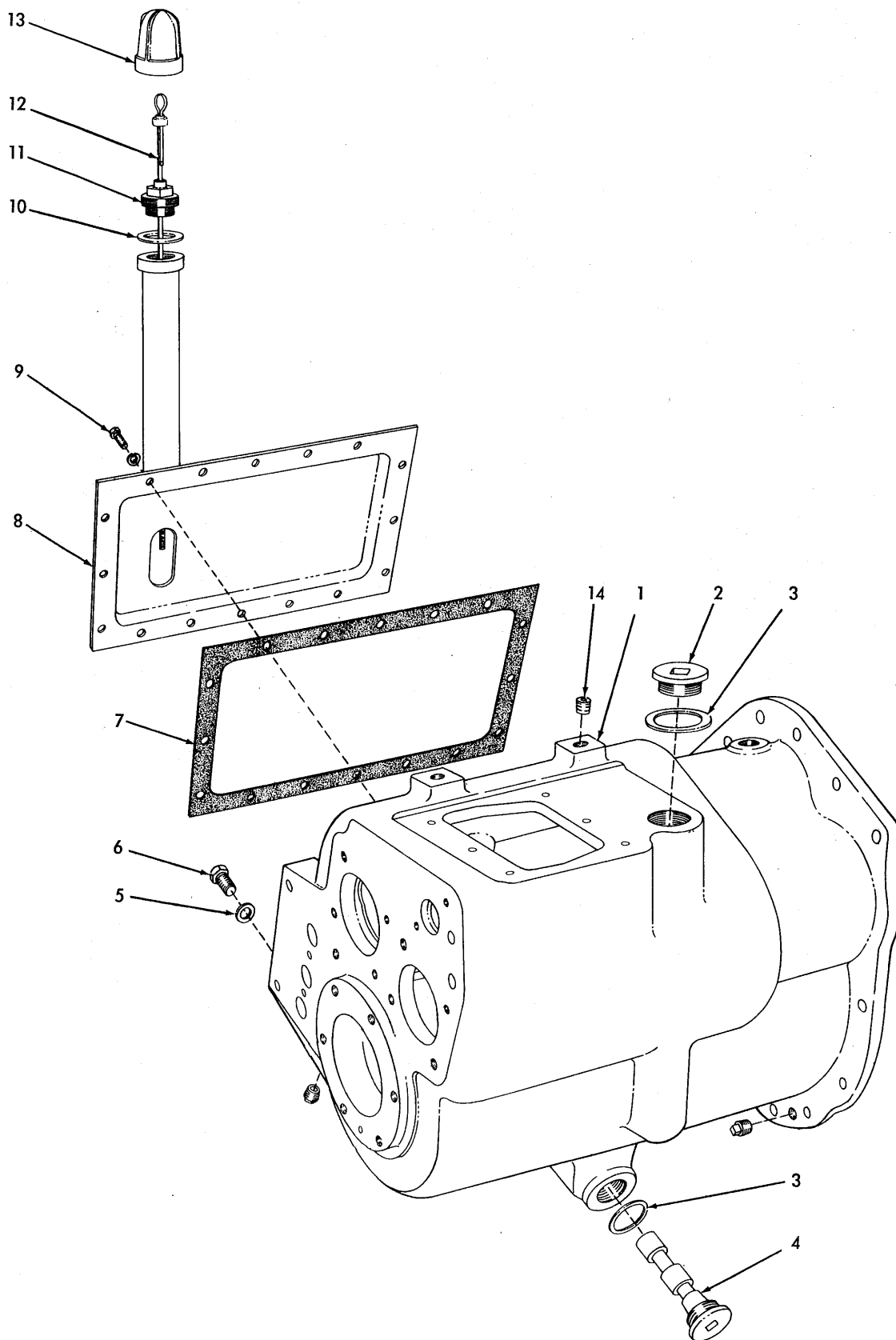


TRANSMISSION CASE (First type. Model HD11G)

TRANSMISSION CASE

USAGE: Model HD11G tractors prior to serial No. 838

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	621360	1	CASE, transmission
	901653	2	PLUG, pipe, 3/8"NPT
2	067543	1	PLUG, drain (magnetic)
3	035249	1	GASKET, drain plug
4	078521	1	COVER, side
5	035439	16	CAPSCREW, 3/8"NC x 1"
	904206	16	LOCKWASHER, 3/8"
6	057432	1	GASKET, cover plate
7	034265	1	CAP, oil level gauge rod
8	034269	1	GASKET, oil level gauge rod cap
9	069492	1	ROD, gauge, oil level
10	034268	1	PLUG, oil filling hole
11	035159	3	CAPSCREW, hole plugging (5/8"NF x 1")
12	049918	3	WASHER, hole plugging capscREW (copper)

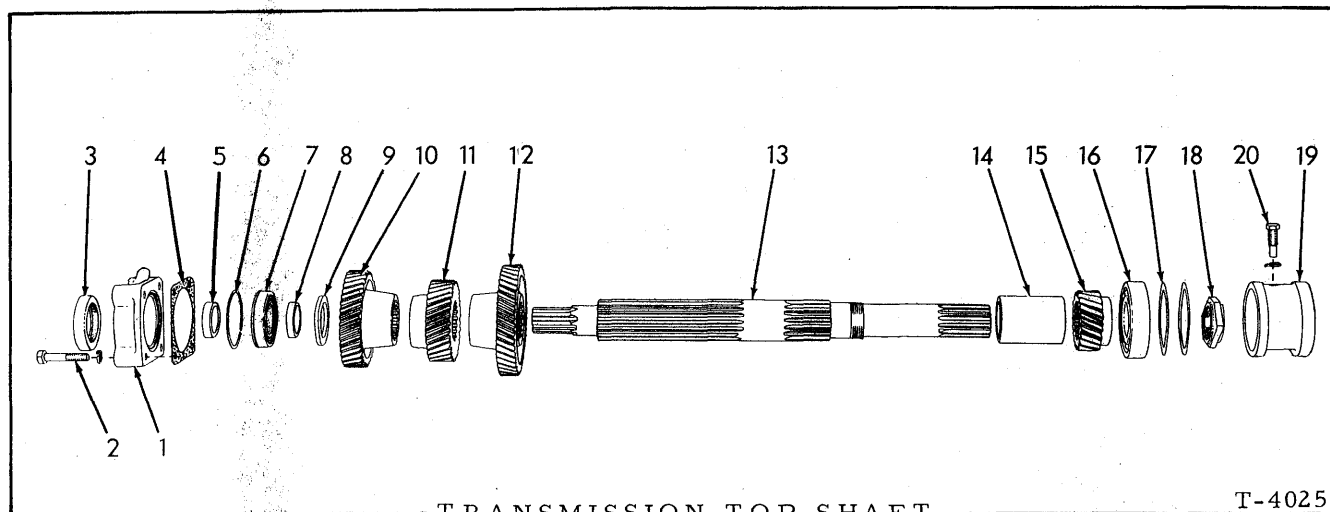


TRANSMISSION CASE (Second type. Model HD11G)

TRANSMISSION CASE

USAGE: Model HD11G tractors serial No. 838 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	621360	1	CASE, transmission
	901653	2	PLUG, pipe, 3/8"NPT (1 less used effective with tractor #8915)
2	035250	1	PLUG, top hole
3	035249	2	GASKET, plug
4	067543	1	PLUG, drain hole (magnetic)
5	049918	3	WASHER, hole plugging capscrew (copper)
6	035159	3	CAPSCREW, hole plugging (5/8"NF x 1")
7	057432	1	GASKET, side cover
8	088341	1	COVER, side (Includes oil filling tube)
9	035439	16	CAPSCREW, 3/8"NC x 1"
	904206	16	LOCKWASHER, 3/8"
			} 4 less used effective with tractor #6473
10	034269	1	GASKET, oil level gauge rod cap
11	034268	1	PLUG, oil filling hole (Used prior to tractor #1710, excluding tractor #1675)
	089814	1	PLUG, oil filling hole (Effective with tractor #1710, including tractor #1675)
12	088383	1	ROD, gauge, oil level
13	034265	1	CAP, oil level gauge rod
14	099570	2	SETSCREW, hole plugging (Effective with tractor #6069)

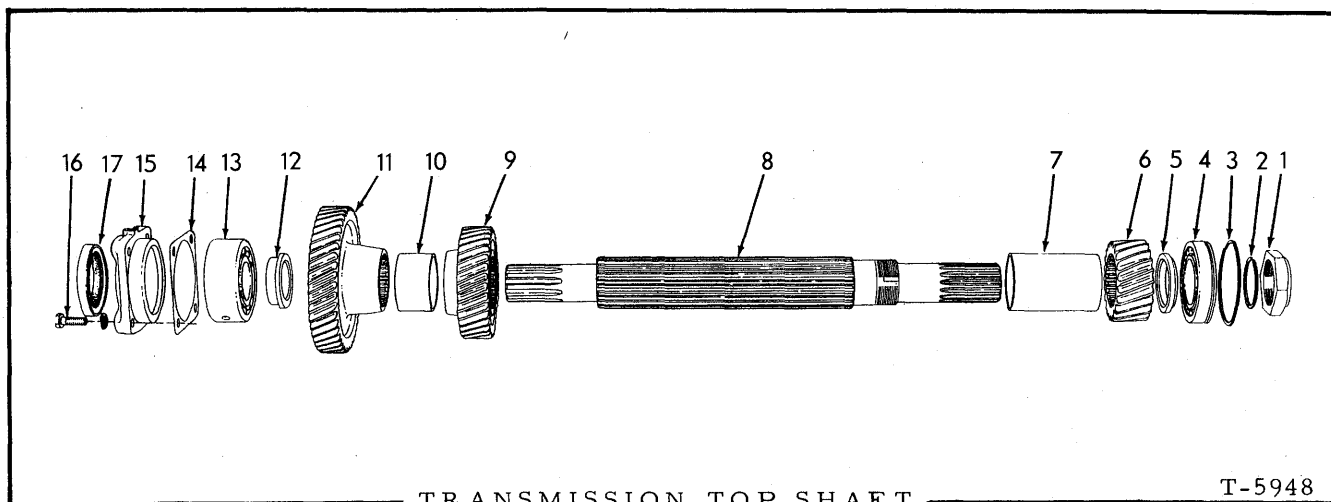


TRANSMISSION TOP SHAFT

T-4025

USAGE: Model HD11G

ITEM	PART NO.	QTY.	DESCRIPTION
1	057291	1	RETAINER, front bearing (Used prior to tractor #6473)
	623411	1	RETAINER, front bearing (Effective with tractor #6473)
2	028979	4	CAPSCREW, 1/2"NC x 2-1/2"
	904208	4	LOCKWASHER, 1/2"
3	628823	1	SEAL, oil front bearing retainer
4	059261	1	GASKET, front bearing retainer
5	069463	1	SPACER, front bearing (1/2" thick)
6	057289	1	RING, snap, top shaft front bearing
7	057282	1	BEARING, roller, top shaft, front
8	069459	1	SLEEVE, spacing, front bearing
9	069461	1	SPACER, hi-range and 2nd reverse gear (3/8" thick)
10	069233	1	GEAR, hi-range and 2nd reverse (41 teeth)
11	643486	1	GEAR, lo-range (34 teeth)
12	069235	1	GEAR, 3rd reverse (46 teeth)
13	621678	1	SHAFT, top
14	069456	1	SLEEVE, spacing (3-7/8" long)
15	069240	1	GEAR, 1st reverse (21 teeth)
16	069428	1	BEARING, ball, top shaft, rear
17	069452	4	SHIM, bearing adjusting (.005" thick. Use as req'd)
18	078864	1	NUT, top shaft
19	069403	1	SLEEVE, rear bearing
20	621330	1	SCREW, sleeve locking
	904209	1	LOCKWASHER, 5/8"

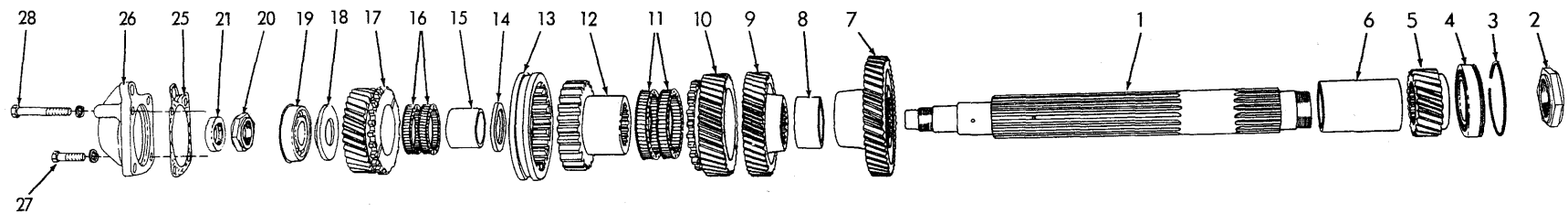


TRANSMISSION TOP SHAFT

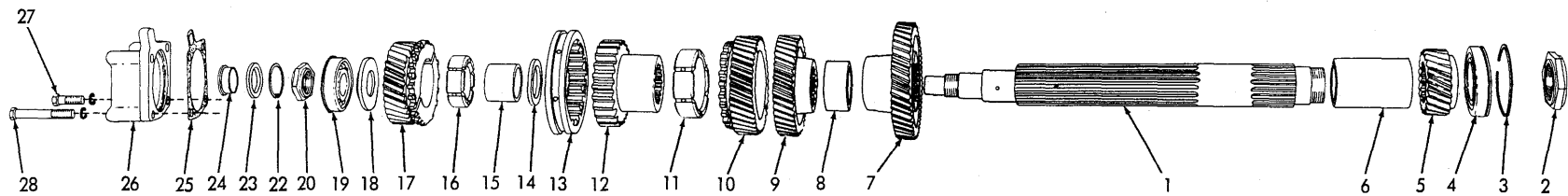
T-5948

USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	078862	1	NUT
2	065512	1	RING, snap, rear bearing (small)
3	040831	1	RING, snap, rear bearing (large)
4	058135	1	BEARING, roller, rear
5	074818	1	SPACER, rear bearing
6	073808	1	GEAR, 1st speed (22 teeth)
7	069444	1	SLEEVE, spacing (4-9/16" long)
8	095960	1	SHAFT
9	073733	1	GEAR, 2nd speed and reverse (36 teeth)
10	069443	1	SLEEVE, spacing (1-3/4" long)
11	074838	1	GEAR, 3rd speed (46 teeth)
12	093713	1	SPACER, front bearing
13	074822	1	BEARING, ball, front
14	074842	7	SHIM, front bearing retainer (.003" thick. Use as required)
15	-----	1	RETAINER, front bearing (Used prior to tractor #6679. Order RETAINER 629041 and SEAL 629040)
	629041	1	RETAINER, front bearing (Effective with tractor #6679)
16	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	904208	4	LOCKWASHER, 1/2"
17	-----	1	SEAL, oil, front bearing retainer (5/8" wide)(Used prior to tractor #6679. Order SEAL 629040)
	629040	1	SEAL, oil, front bearing retainer (1/2" wide)(Effective with tractor #6679)



FIRST TYPE



SECOND TYPE

TRANSMISSION INTERMEDIATE SHAFT (Model HD11G)

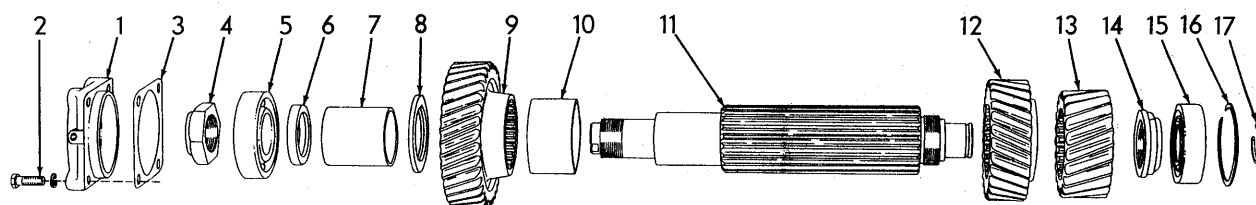
TRANSMISSION INTERMEDIATE SHAFT

USAGE: Model HD11G

* Tractors prior to serial No. 6473

** Tractors serial No. 6473 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	621679	1	-	SHAFT, intermediate
	099026	-	1	SHAFT, intermediate
2	078864	1	1	NUT, intermediate shaft, rear
3	042121	1	1	RING, snap, rear bearing
4	057281	1	1	BEARING, roller, rear
5	069236	1	1	GEAR, 1st and 2nd speeds (22 teeth)
6	069457	1	1	SLEEVE, gear spacing (4-1/8" long)
7	069235	1	1	GEAR, 4th and 6th speeds (46 teeth)
8	069460	1	1	SLEEVE, gear spacing (1-5/16" long)
9	069239	1	1	GEAR, 3rd and 5th speeds (41 teeth)
10	069238	1	1	GEAR, low range (40 teeth)
11	069382	2	-	BEARING, roller, low range gear
	623667	-	1	BUSHING, low range gear
12	069254	1	1	HUB, shifting collar and low range gear
13	069243	1	-	COLLAR, shifting
	099899	-	1	COLLAR, shifting (7/16" groove)(Original equipment)
	647321	-	1	COLLAR, shifting (5/8" groove)(Service replacement transmission)
14	069458	1	1	WASHER, spacing, high-range gear
15	069389	1	1	RACE, inner, high-range gear
16	069384	2	-	BEARING, roller, high-range gear
	623666	-	1	BUSHING, high-range gear
17	069237	1	1	GEAR, high-range (32 teeth)
18	069465	1	1	WASHER, spacing, front bearing
19	054229	1	1	BEARING, ball, front (Includes snap ring)
20	078860	1	1	NUT, intermediate shaft, front
21	044741	1	-	SEAL, oil retaining
22	621446	-	1	RING, snap
23	621332	-	1	RING, oil sealing, outer
24	621333	-	1	RING, oil sealing, inner
25	069514	1	1	GASKET, bearing retainer
26	069401	1	-	COVER, front bearing
	099023	-	1	RETAINER, front bearing
27	035061	3	1	CAPSCREW, 1/2"NC x 1-1/4"
28	041877	1	-	CAPSCREW, 1/2"NC x 3"
	061631	-	3	CAPSCREW, 1/2"NC x 3-1/2"
	904208	4	4	LOCKWASHER, 1/2"



TRANSMISSION REVERSE SHAFT

USAGE: Model HD11GC

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	098968	1	RETAINER, front bearing
2	035712	4	CAPSCREW, 1/2"NC x 2-1/4"
	904208	4	LOCKWASHER, 1/2"
3	074841	7	SHIM, adjusting (.003" thick. Use as req'd)
4	079234	1	NUT, front
5	090645	1	BEARING, ball, front
6	074817	1	SPACER, front bearing
7	074814	1	SLEEVE, gear retaining (2-1/2" long)
8	074815	1	WASHER, gear retaining
9	073733	1	GEAR, 2nd reverse (36 teeth)
10	069443	1	SLEEVE, gear spacing (1-3/4" long)
11	098958	1	SHAFT, reverse
12	073738	1	GEAR, reverse (28 teeth)
13	073808	1	GEAR, 1st reverse (22 teeth)
14	079256	1	NUT, rear
15	052049	1	BEARING, roller, rear
16	052374	1	RING, snap, rear bearing
17	052225	1	RING, snap, reverse shaft

TRANSMISSION PINION SHAFT

USAGE: Model HD11G

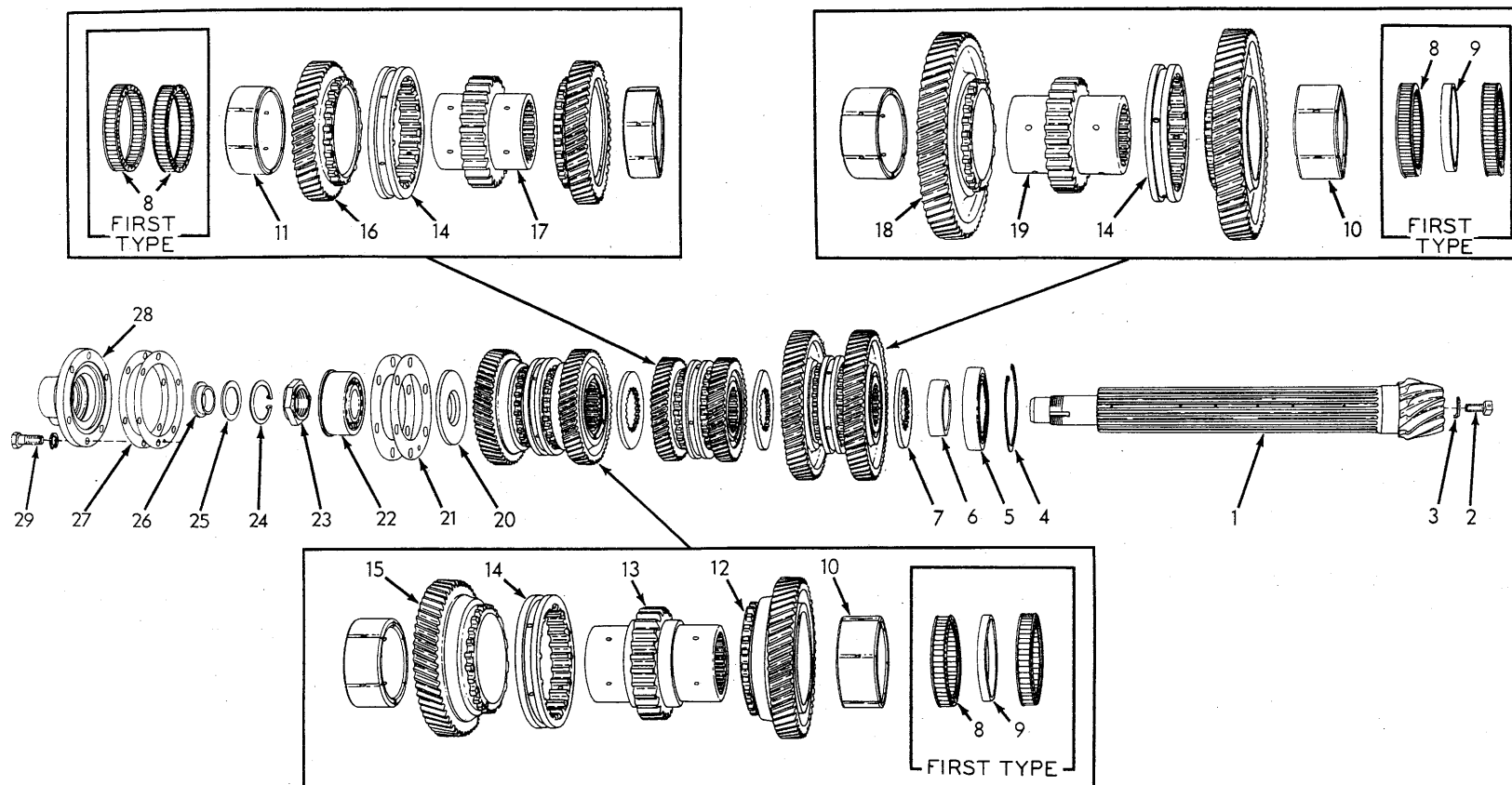
* Tractors prior to serial No. 6473

** Tractors serial No. 6473 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	095725	1	-	PINION, bevel (11 teeth)(If for tractors prior to #4529, equipped with Odometer, also order 1 PLATE 095673, 1 NUT 095675, 2 SPACER 095676 and 2 CAPSCREW 011089)
	098998	-	1	
2	098996	-	1	PLUG, pinion oil hole
3	098997	-	1	LOCK, pinion oil hole plug
4	067627	1	1	RING, snap, rear bevel pinion bearing
5	057283	1	1	BEARING, roller, bevel pinion, rear
6	069469	1	1	SPACER, rear bevel pinion bearing (1" long)
7	069454	3	3	WASHER, gear spacing
8	069385	12	-	BEARING, roller, pinion shaft gears
9	069462	4	-	SPACER, gear bearing (7/16" long)
10	623668	-	4	BUSHING, pinion shaft gears (2" long)
11	623669	-	2	BUSHING, pinion shaft gears (1-9/16" long)
12	069245	1	1	GEAR, 3rd and 5th speed (55 teeth)
13	069242	1	-	HUB, 2nd reverse and 3rd and 5th speed gears
	099003	-	1	HUB, 2nd reverse and 3rd and 5th speed gears
14	069244	3	-	COLLAR, shifting
	099897	-	3	COLLAR, shifting (7/16" groove)(Original equipment)
	650696	-	3	COLLAR, shifting (5/8" groove)(Service replacement transmission)
15	643487	1	1	GEAR, 2nd reverse (55 teeth)
16	069246	2	2	GEAR, 3rd reverse and 4th and 6th speed (48 teeth)
17	069247	1	-	HUB, 3rd reverse and 4th and 6th speed gears
	099002	-	1	HUB, 3rd reverse and 4th and 6th speed gears
18	069248	2	2	GEAR, 1st reverse and 1st and 2nd speed (62 teeth)
19	069249	1	-	HUB, 1st reverse and 1st and 2nd speed gears
	099001	-	1	HUB, 1st reverse and 1st and 2nd speed gears
20	069455	1	1	WASHER, spacing, pinion front bearing

} Used prior to tractor #8827

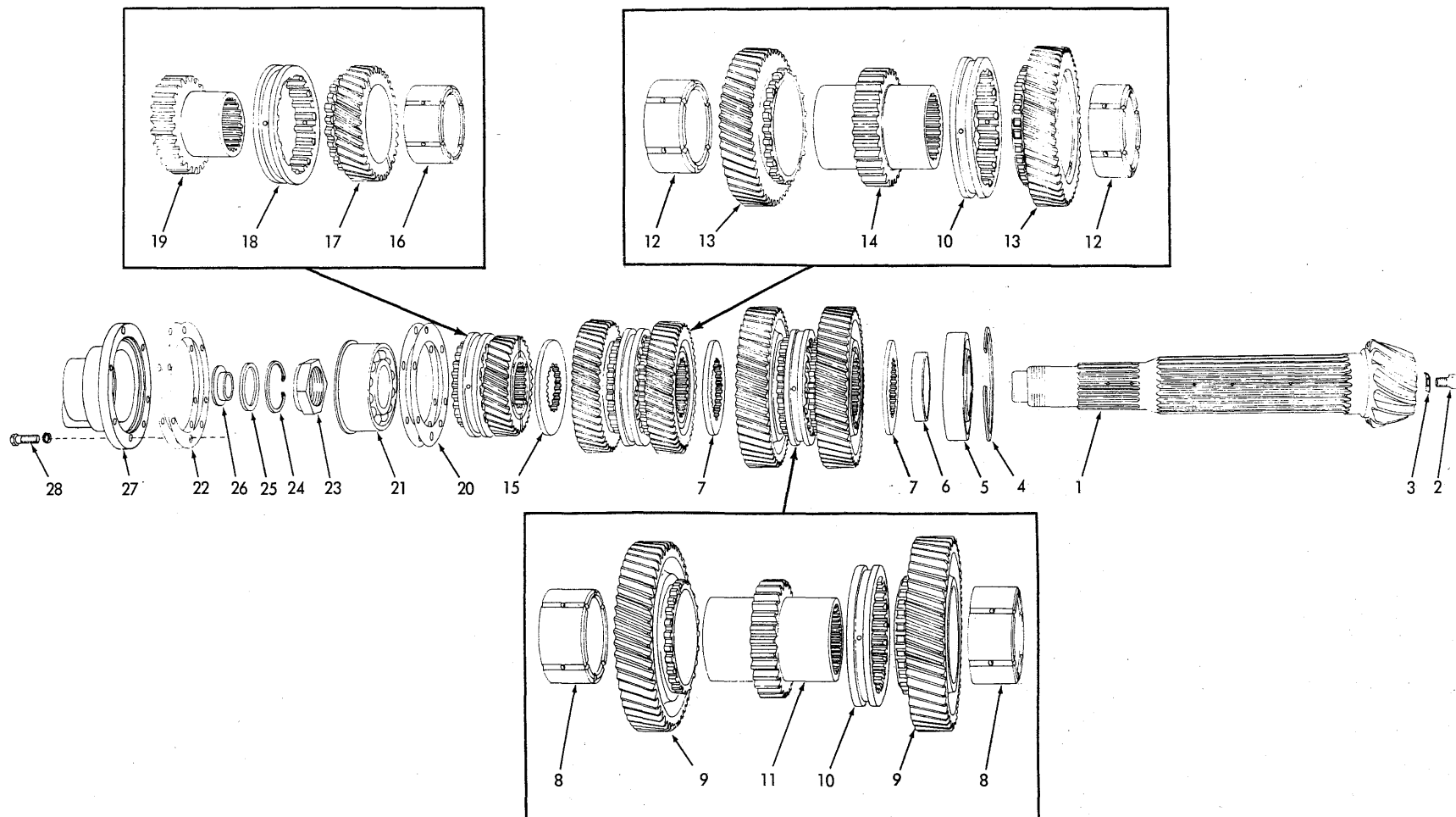
(Continued)



TRANSMISSION PINION SHAFT (Model HD11G)

TRANSMISSION PINION SHAFT (Continued)

ITEM	PART NUMBER	QTY. * **		DESCRIPTION
21	069511	1	1	SHIM, adjusting (.005" thick. Use as req'd)
	069512	8	8	SHIM, adjusting (.010" thick. Use as req'd)
22	043890	1	1	BEARING, ball, bevel pinion, front (Includes snap ring)
23	078861	1	1	NUT, bevel pinion
24	621445	-	1	RING, snap
25	621334	-	1	RING, oil sealing, outer
26	621335	-	1	RING, oil sealing, inner
27	069445	3	3	SHIM, adjusting (.007" thick. Use as req'd)
	069446	3	3	SHIM, adjusting (.005" thick. Use as req'd)
28	069366	1	-	COVER, front bearing (Also see ODOMETER for special cover)
	099021	-	1	COVER, front bearing (Also see ODOMETER for special cover)
29	035190	6	6	CAPSCREW, 1/2"NC x 1-1/2"
	904208	6	6	LOCKWASHER, 1/2"

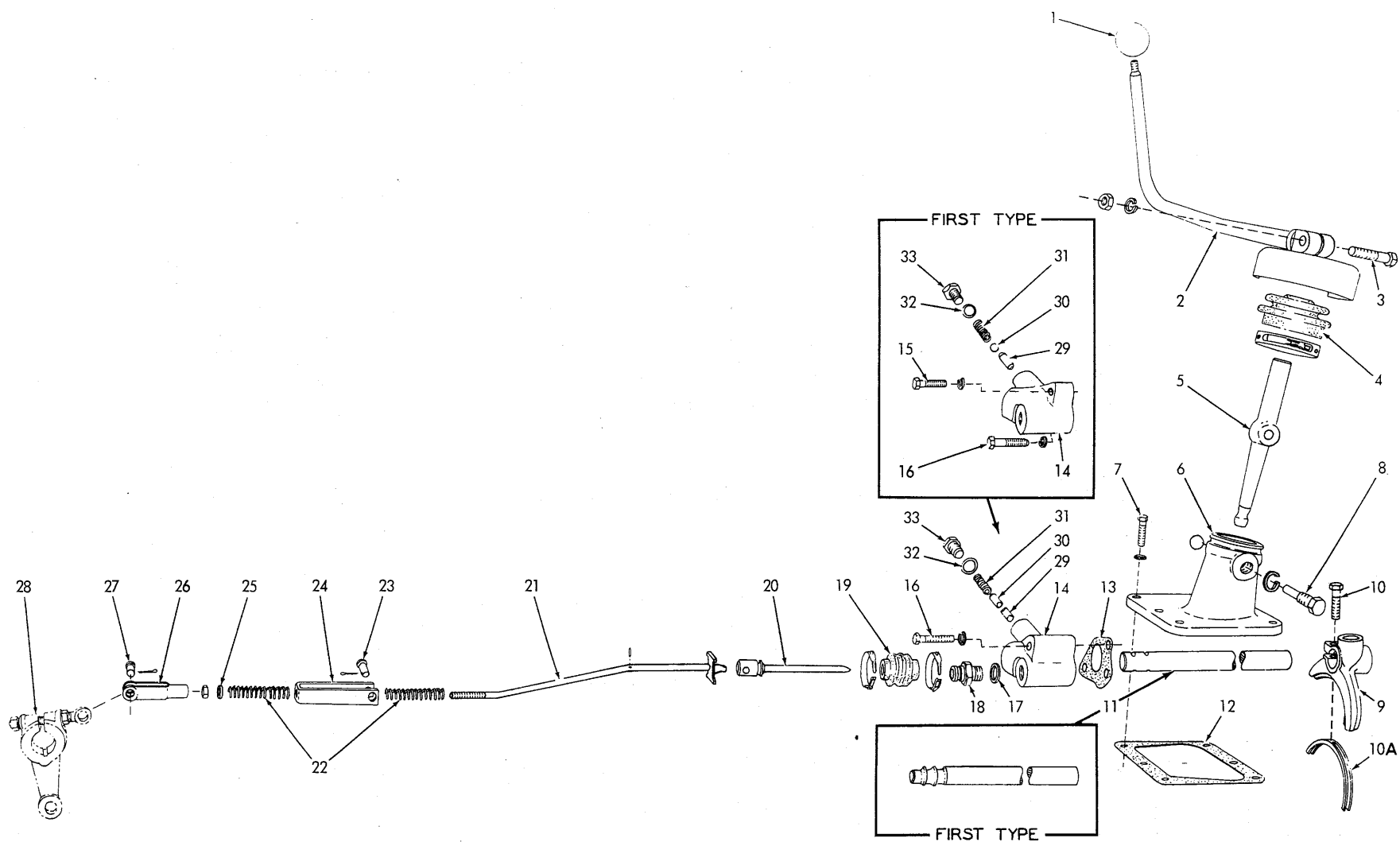


TRANSMISSION PINION SHAFT (Model HD11GC)

TRANSMISSION PINION SHAFT

USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	620753	1	PINION, bevel (11 teeth)
2	098996	1	PLUG, pinion oil hole
3	098997	1	LOCK, pinion plug
4	059589	1	RING, snap, rear bearing
5	059328	1	BEARING, roller, rear
6	069427	1	SPACER, rear bearing
7	069386	2	WASHER, gear retaining
8	623334	2	BUSHING, 1st speed gear
9	081202	2	GEAR, 1st reverse and 1st speed (51 teeth)
10	{ 099898	2	COLLAR, shifting (7/16" groove)(Used prior to tractor #9004)
	{ 650745	2	COLLAR, shifting (5/8" groove)(Effective with tractor #9004)
11	098957	1	HUB, 1st reverse and 1st speed gears
12	623338	2	BUSHING, 2nd speed gear
13	081200	2	GEAR, 2nd reverse and 2nd speed (48 teeth)
14	098956	1	HUB, 2nd reverse and 2nd speed gears
15	074824	1	WASHER, gear retaining
16	623667	1	BUSHING, 3rd speed gear
17	081201	1	GEAR, 3rd speed (35 teeth)
18	{ 099899	1	COLLAR, shifting, 3rd speed (7/16" groove)(Used prior to tractor #9004)
	{ 647321	1	COLLAR, shifting, 3rd speed (5/8" groove)(Effective with tractor #9004)
19	098955	1	HUB, 3rd speed gear
20	{ 069447	4	SHIM, adjusting, pinion depth (.005" thick. Use as req'd)
	{ 069448	6	SHIM, adjusting, pinion depth (.010" thick. Use as req'd)
21	048698	1	BEARING, ball, front (Includes snap ring)
22	{ 069445	7	SHIM, cover adjusting (.007" thick. Use as req'd)
	{ 069446	7	SHIM, cover adjusting (.005" thick. Use as req'd)
23	078862	1	NUT, bevel pinion (Also see ODOMETER for special nut)
24	621445	1	RING, snap
25	621334	1	RING, oil sealing, outer
26	621335	1	RING, oil sealing, inner
27	098923	1	COVER, bearing
28	035190	6	CAPSCREW, 1/2"NC x 1-1/2"
	904208	6	LOCKWASHER, 1/2"



FORWARD HIGH-LOW GEAR SHIFT (Model HD11G)

FORWARD HIGH-LOW GEAR SHIFT

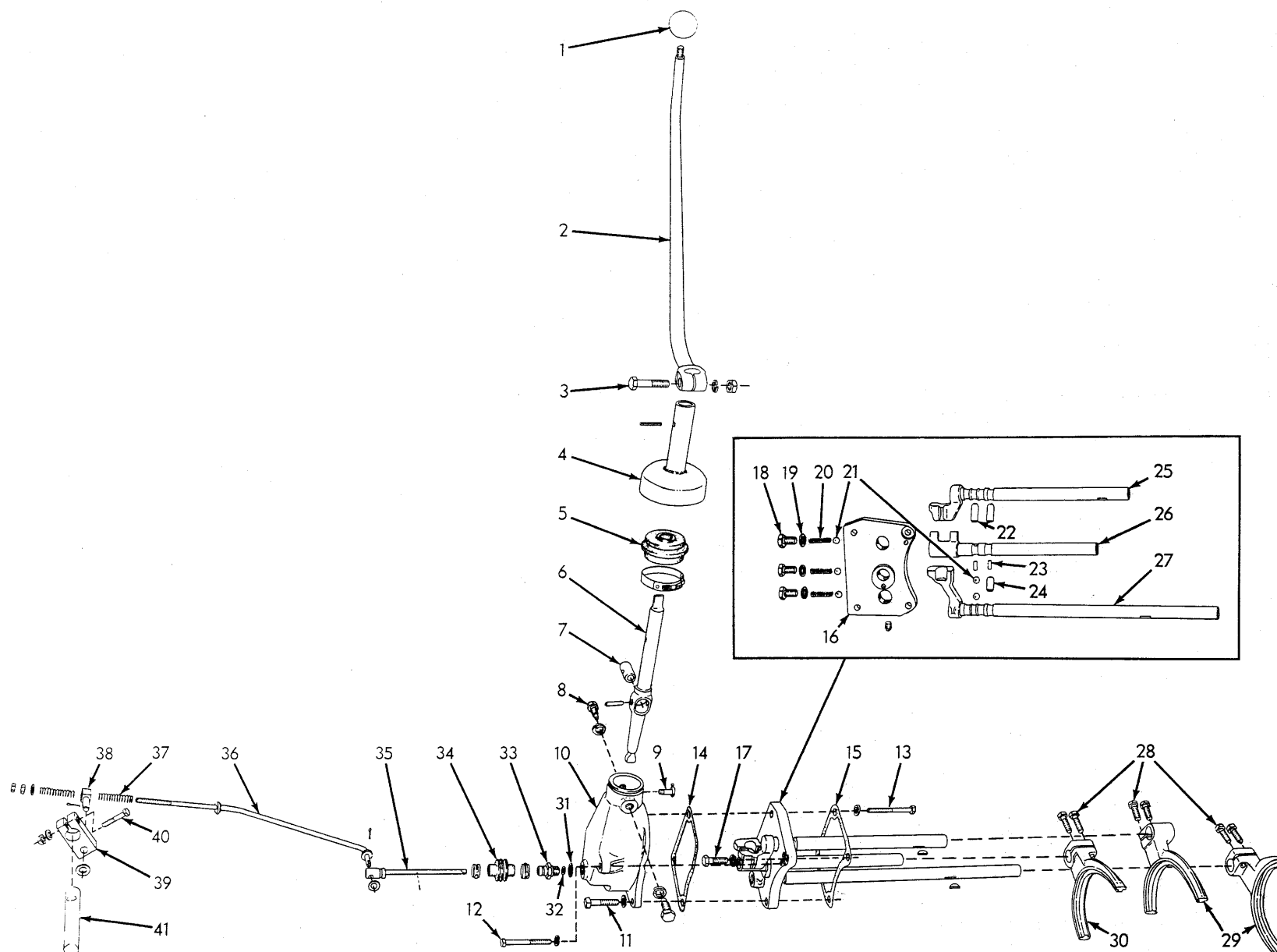
USAGE: Model HD11C

* Tractors prior to serial No. 6473

** Tractors serial No. 6473 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	091862	1	1	KNOB, extension lever
2	620406	1	1	LEVER, extension
3	035068	1	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	1	LOCKWASHER, 1/2"
	911043	1	1	NUT, 1/2"NF
4	078742	1	1	BOOT, shift lever
	916995	1	1	CLAMP, hose
5	069339	1	1	LEVER, high-low shift
6	069477	1	1	HOUSING ASSEMBLY (Includes 1 PLUG 910002)
	910002	1	1	PLUG, expansion, 3/4" diam.
7	013058	6	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	6	6	LOCKWASHER, 3/8"
8	621331	1	1	SCREW, pivot, high-low shift lever
	904209	1	1	LOCKWASHER, 5/8"
9	080943	1	1	FORK, shifting (Original equipment)
	646256	-	1	FORK, shifting (Service replacement transmissions)
10	035018	2	2	CAPSCREW, 1/2"NF x 1-1/2"
10A	647908	-	1	COLLAR, wear, shifting fork (Service replacement transmissions)
11	081270	1	-	SHAFT, shifting fork
	620968	-	1	SHAFT, shifting fork (Used prior to tractor #8774)
	643045	-	1	SHAFT, shifting fork (Effective with tractor #8774)
12	057407	1	1	GASKET, housing to case
13	069468	1	1	GASKET, interlock housing
14	069404	1	-	HOUSING, gear shift interlock
	643046	-	1	HOUSING, gear shift interlock
15	013058	1	-	CAPSCREW, 3/8"NC x 1-1/4"
16	053616	1	2	CAPSCREW, 3/8"NC x 1-3/4"
	904206	2	2	LOCKWASHER, 3/8"
17	050267	1	1	WASHER, plunger sleeve (copper)
18	076846	1	-	SLEEVE, shifting lock plunger (15/32" hole)
	620975	-	1	SLEEVE, shifting lock plunger (13/32" hole)
19	080166	1	1	BOOT, locking plunger
	916897	2	2	CLAMP, hose, 1" diam.
20	084495	1	1	PLUNGER, shifting lock (Used prior to tractor #8774)
	643044	-	1	PLUNGER, shifting lock (Effective with tractor #8774)

(Continued)



SPEED SELECTION GEAR SHIFT (First type. Model HD11G)

FORWARD HIGH-LOW GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
21	084401	1	1	ROD, shifting lock plunger (15-1/8" long)(Used prior to tractor #6911)
	630594	-	1	ROD, shifting lock plunger (15-3/4" long)(Effective with tractor #6911)
	916202	1	1	PIN, roll, 1/8" x 7/8"
	911041	1	1	NUT, 3/8"NF
22	035910	2	2	SPRING, plunger rod
23	082875	1	1	PIN, plunger rod yoke
	900942	1	1	PIN, cotter, 3/32" x 5/8"
24	078967	1	1	YOKE, plunger rod (4-1/4" long)
25	044973	1	1	WASHER, plunger rod
26	628736	1	1	YOKE, plunger rod (3/8"NF)
27	078810	1	1	PIN, yoke, 3/32" x 5/8"
	900942	1	1	PIN, cotter, 3/32" x 5/8"
28	-----	1	1	LEVER ASSEMBLY (See ENGINE CLUTCH CONTROL)
29	905362	2	-	BALL, steel, 1/2" diam. (Used prior to tractor #4354. Order PIN 096809)
	096809	1	-	PIN, interlock (Used on tractors #4354 thru #6472)
	-----	-	1	PIN, interlock (Used prior to tractor #8774. Order PIN 643040 and PLUNGER 643044)
	643040	-	1	PIN, interlock (Effective with tractor #8774)
30	905362	1	-	BALL, steel, 1/2" diam.
	641356	-	1	PLUNGER, shaft locating
31	096922	1	1	SPRING, shifting shaft interlock
32	049918	1	1	WASHER, interlock spring capscrew (copper)
33	035159	1	1	CAPSCREW, interlock spring (5/8"NF x 1")

SPEED SELECTION GEAR SHIFT

USAGE: Model HD11G tractors prior to serial No. 6473

ITEM	PART NO.	QTY.	DESCRIPTION
1	091862	- 1	KNOB, extension lever
2	634285	1	LEVER, extension
3	035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
4	082638	1	GUARD, shift lever boot
	915989	1	PIN, roll, 3/16" x 1-3/8"
5	078742	1	BOOT, shift lever
	916995	1	CLAMP, hose
6	084525	1	LEVER, speed selection shift
	915500	1	PIN, roll, 3/8" x 1-3/4"

(Continued)

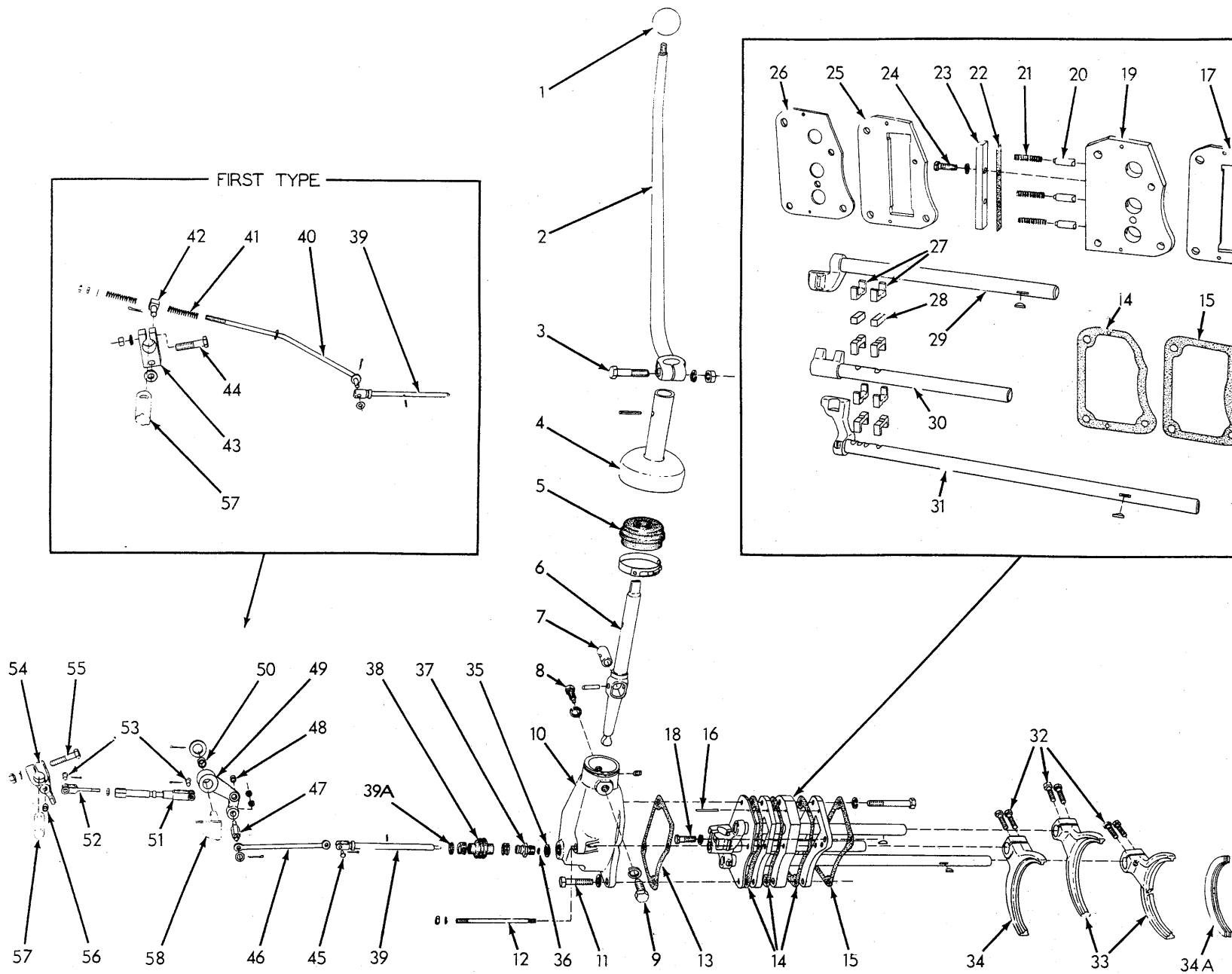
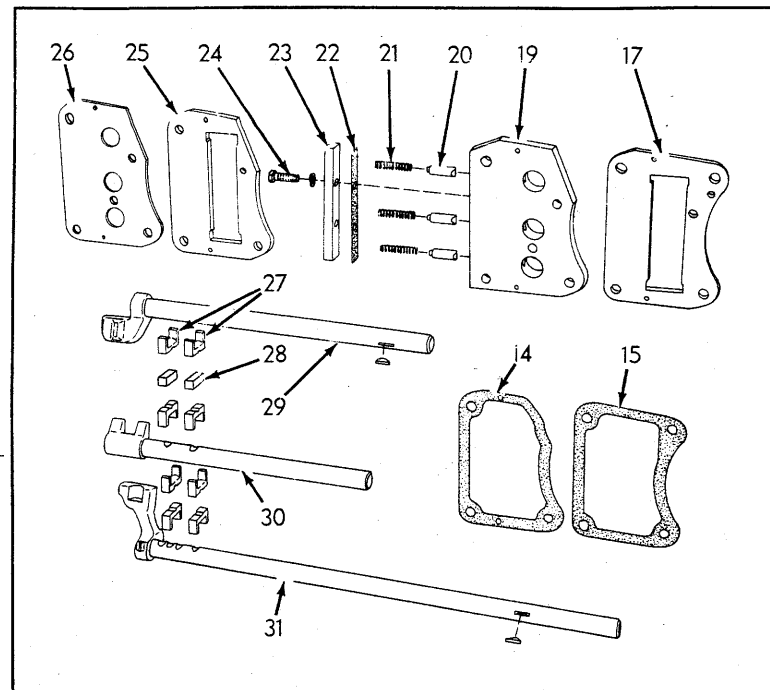
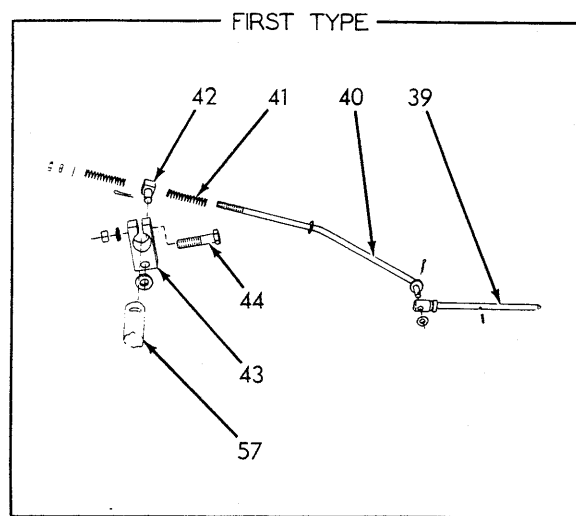
SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
7	622080	1	SHAFT, shift lever pivot
8	621330	2	SCREW, set, shift lever pivot shaft
	904209	2	LOCKWASHER, 5/8"
9	{ 051447	1	BREATHER ASSEMBLY, shift lever housing (Used on tractors #1710 thru #3997)
	{ 901651	1	PLUG, pipe, 1/8"NPT (Effective with tractor #3998)
10	089829	1	HOUSING, shift lever (When required for tractors prior to #1710, excluding #1675, also order BREATHER ASSEMBLY 051447. If for tractors prior to #354 add 1 GASKET 085877, 1 CAPSCREW 035236, 1 CAPSCREW 053617 and 1 LOCKWASHER 904206)
11	035712	2	CAPSCREW, 1/2"NC x 2-1/4" }
	904208	2	LOCKWASHER, 1/2" }
12	053617	1	CAPSCREW, 3/8"NF x 4-3/4" }
	904206	1	LOCKWASHER, 3/8" }
13	061631	1	CAPSCREW, 1/2"NC x 3-1/2"
	904208	1	LOCKWASHER, 1/2"
14	{ 085878	1	GASKET, shift lever housing (Used prior to tractor #354)
	{ 085877	1	GASKET, shift lever housing (Effective with tractor #354)
15	085878	1	GASKET, gear shift lock plate
16	083573	1	PLATE, gear shift lock
	901653	1	PLUG, pipe, 3/8"NPT
17	035236	1	CAPSCREW, 1/2"NC x 1-3/4" }
	904208	1	LOCKWASHER, 1/2" }
18	035159	3	CAPSCREW, interlock spring (5/8"NF x 1")
19	049918	3	WASHER, interlock spring capscREW (copper)
20	096922	3	SPRING, shifting shaft interlock
21	905362	5	BALL, steel, 1/2" diam.
22	{ 905362	6	BALL, steel, 1/2" diam. (Used prior to tractor #4354. Order PIN 096808)
	{ 096808	2	PIN, interlock (1-1/2" long) (Effective with tractor #4354)
23	055349	2	PIN, shifting shaft interlock (1 used prior to tractor #791)
24	{ 905362	2	BALL, steel, 1/2" diam. (Used on tractors #791 thru #4354. Order PIN 096809)
	{ 096809	1	PIN, interlock (1" long) (Effective with tractor #4354)
25	088932	1	SHAFT, shifting fork, upper
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
26	088930	1	SHAFT, shifting fork, center

(Continued)

SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
27	088928	1	SHAFT, shifting fork, lower
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
28	035018	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
29	080866	2	FORK, center and rear
30	080865	1	FORK, front
31	050267	1	WASHER, plunger sleeve (copper)
32	078402	1	WASHER, shifting lock plunger
33	076846	1	SLEEVE, shifting lock plunger
34	080166	1	BOOT, locking plunger
	916897	2	CLAMP, hose, 1" diam.
35	083598	1	PLUNGER, shifting lock
	916146	1	PIN, roll, 3/32" x 1/2"
36	084442	1	ROD, shifting lock plunger
	911115	2	WASHER, plain, SAE std., 3/8"
	900942	1	PIN, cotter, 3/32" x 5/8"
	911041	2	NUT, 3/8"NF
37	035910	2	SPRING, plunger rod
38	050265	1	SWIVEL, shifting lock plunger rod
	910244	1	WASHER, plain, SAE std., 1/2"
	910967	1	PIN, cotter, 1/8" x 7/8"
39	050566	1	LEVER, plunger rod operating
40	035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
41	-----	1	SHAFT, operating (See ENGINE CLUTCH CONTROL)



SPEED SELECTION GEAR SHIFT (Second type. Model HD11G)

SPEED SELECTION GEAR SHIFT

USAGE: Model HD11G tractors serial No. 6473 and up

* Used with dry master clutch only. Standard equipment on tractors prior to serial No. 6911; optional thereafter
 ** Used with oil master clutch only. Standard equipment on tractors serial No. 6911 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	091862	1	1	KNOB, extension lever
2	634285	1	1	LEVER, extension
3	035068	1	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	1	LOCKWASHER, 1/2"
	911043	1	1	NUT, 1/2"NF
4	082638	1	1	GUARD, shift lever boot
	915989	1	1	PIN, roll, 3/16" x 1-3/8"
5	078742	1	1	BOOT, shift lever
	916995	1	1	CLAMP, hose
6	084525	1	1	LEVER, speed selection shift
	915500	1	1	PIN, roll, 3/8" x 1-3/4"
7	622080	1	1	SHAFT, shift lever pivot
8	620313	1	1	SCREW, shift lever pivot, right
	904209	1	1	LOCKWASHER, 5/8"
9	621330	1	1	SCREW, shift lever pivot, left
	904209	1	1	LOCKWASHER, 5/8"
10	089829	1	1	HOUSING, shift lever
	901651	1	1	PLUG, pipe, 1/8"NPT
	919232	1	1	CAPSCREW, 1/2"NC x 4-3/4"
	904208	1	1	LOCKWASHER, 1/2"
11	035712	2	2	CAPSCREW, 1/2"NC x 2-1/4"
	904208	2	2	LOCKWASHER, 1/2"
12	621262	1	1	STUD, shift lever housing
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
13	085877	1	1	GASKET, shift lever housing
14	620980	3	3	GASKET, shaft locking plates
15	085878	1	1	GASKET, shaft rear locking plate
16	620981	2	2	PIN, dowel, shaft locking plates
17	623902	1	1	PLATE, shaft locking, rear
18	035190	1	1	CAPSCREW, 1/2"NC x 1-1/2"
	904208	1	1	LOCKWASHER, 1/2"
19	623903	1	1	PLATE, shifting shaft plunger
20	641356	3	3	PLUNGER, shifting shaft
21	096922	3	3	SPRING, shifting shaft interlock

(Continued)

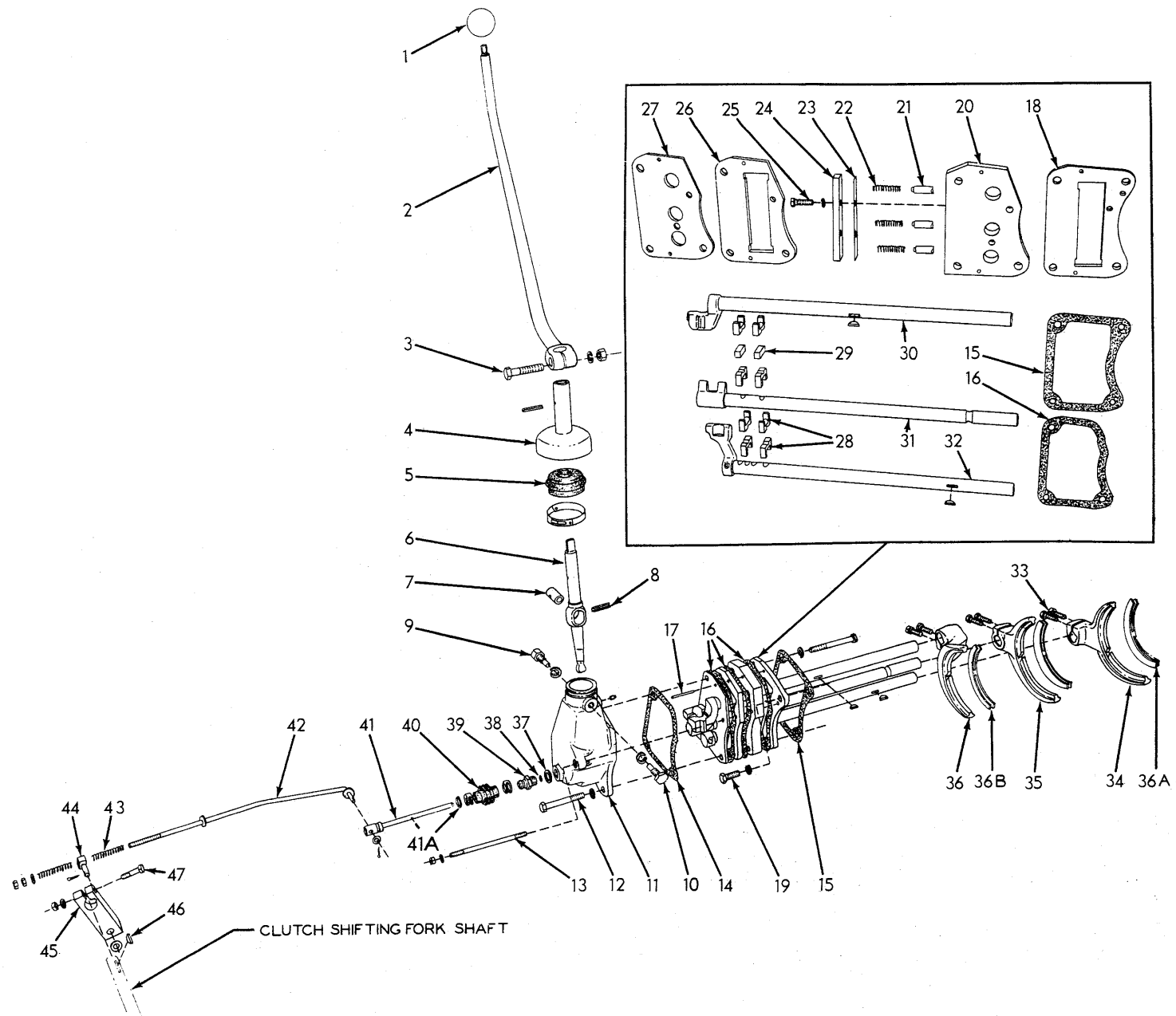
SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
22	620974	1	1	GASKET, plunger retaining bar
23	620982	1	1	BAR, plunger retaining
24	013058	2	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	2	LOCKWASHER, 3/8"
25	623904	1	1	PLATE, shaft locking, front
26	623905	1	1	PLATE, shaft guiding
27	638953	8	8	DETENT, shifting shaft interlock
28	620964	2	2	BLOCK, spacing, interlock detent
29	620957	1	1	SHAFT, shifting fork, upper
	911233	1	1	KEY, #11 woodruff, 3/16" x 7/8"
30	620961	1	1	SHAFT, shifting fork, center
31	620147	1	1	SHAFT, shifting fork, lower
	911233	1	1	KEY, #11 woodruff, 3/16" x 7/8"
32	035018	6	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
33	080866	2	2	FORK, center and rear (Original equipment)
	650697	2	2	FORK, center and rear (Service replacement transmission)
34	080865	1	1	FORK, front (Original equipment)
	650698	1	1	FORK, front (Service replacement transmission)
34A	650695	3	3	COLLAR, wear, shifting fork (Service replacement transmissions)
35	050267	1	1	WASHER, plunger sleeve (copper)
36	078402	1	1	WASHER, shifting lock plunger
37	620975	1	1	SLEEVE, shifting lock plunger (Tractors prior to #7689)
	635081	1	1	SLEEVE, shifting lock plunger (Tractors #7689 and up)
38	080166	1	1	BOOT, locking plunger (Used prior to tractor #7689)
	635082	1	1	BOOT, locking plunger (Effective with tractor #7689)
	916897	2	2	CAMP, hose, 1" diam.
39	-----	1	-	PLUNGER, shifting lock (Used prior to tractor #7689. Order PLUNGER 638094, SLEEVE 635081 and O-RING 923560)
	638094	1	-	PLUNGER, shifting lock (Effective with tractor #7689)
	-----	-	1	PLUNGER, shifting lock (Used prior to tractor #7689. Order PLUNGER 644324, SLEEVE 635081 and O-RING 923560)
	644324	-	1	PLUNGER, shifting lock (Effective with tractor #7689)
	916146	1	1	PIN, roll, 3/32" x 1/2"
39A	923560	1	1	O-RING, shifting lock plunger (Tractors #7689 and up)

(Continued)

SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
40	620145	1	-	ROD, shifting lock plunger
	911115	2	-	WASHER, plain, SAE std., 3/8"
	900942	1	-	PIN, cotter, 3/32" x 5/8"
	911041	2	-	NUT, 3/8"NF
41	035910	2	-	SPRING, plunger rod
42	050265	1	-	SWIVEL, shifting lock plunger rod
	910244	1	-	WASHER, plain, SAE std., 1/2"
	910967	1	-	PIN, cotter, 1/8" x 7/8"
43	050566	1	-	LEVER, plunger rod operating
44	035068	1	-	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	-	LOCKWASHER, 1/2"
	911043	1	-	NUT, 1/2"NF
45	627451	-	1	PIN, shifting lock plunger
	900942	-	1	PIN, cotter, 3/32" x 5/8"
46	630499	-	1	ROD, shifting lock plunger
47	630485	-	1	STUD, plunger rod
	911048	-	2	NUT, jam, 3/8"NF
	911115	-	1	WASHER, plain, SAE std., 3/8"
	900942	-	1	PIN, cotter, 3/32" x 5/8"
48	624584	-	1	BUSHING, intermediate lever (small)
49	632774	-	1	LEVER ASSEMBLY, intermediate (Includes item 48) (If for tractors prior to #7119 also order 2 BEARING 052643 and 2 SEAL 052662)
	910255	-	1	WASHER, plain, SAE std., 3/4"
	910302	-	1	PIN, cotter, 5/32" x 1-1/4"
	623164	-	2	BUSHING, intermediate lever (large) (Used prior to tractor #7119)
50	052643	-	2	BEARING, needle, intermediate lever (Effective with tractor #7119)
	052662	-	2	SEAL, dirt, intermediate lever bearing (Effective with tractor #7119)
51	630486	-	1	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
52	628748	-	1	END, yoke
	911048	-	1	NUT, jam, 3/8"NF
53	078810	-	2	PIN, yoke end
	900802	-	2	PIN, cotter, 3/32" x 1"
54	632765	-	1	LEVER ASSEMBLY, plunger rod operating (Includes item 56)
55	035068	-	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	-	1	LOCKWASHER, 1/2"
	911043	-	1	NUT, 1/2"NF
56	624584	-	1	BUSHING, operating lever
57	-----	1	1	SHAFT, operating (See ENGINE CLUTCH CONTROL)
58	-----	-	1	BRACKET (See ENGINE CLUTCH BRAKE)



GEAR SHIFT (Model HD11GC)

GEAR SHIFT

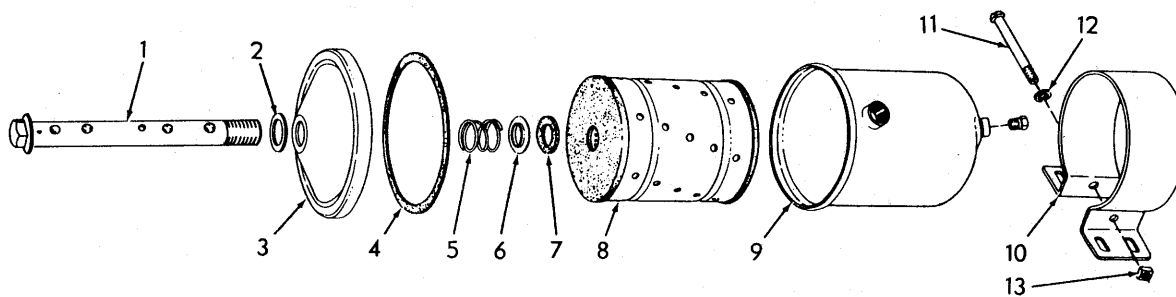
USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> See FLOOR for shift lever guide plate			
1	091862	1	KNOB, extension lever
2	634285	1	LEVER, extension
3	035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
4	082638	1	GUARD, shift lever boot
	915989	1	PIN, roll, 3/16" x 1-3/8"
5	078742	1	BOOT, shift lever
	916995	1	CLAMP, hose, 3" I.D.
6	084525	1	LEVER, shift
7	622080	1	SHAFT, shift lever pivot
8	915500	1	PIN, roll (3/8" x 1-3/4")
9	620313	1	SCREW, shift lever pivot shaft, outer
	904209	1	LOCKWASHER, 5/8"
10	621330	1	SCREW, shift lever pivot shaft, inner
	904209	1	LOCKWASHER, 5/8"
11	089829	1	HOUSING, shift lever
	901651	1	PLUG, pipe, 1/8"NPT
	919232	1	CAPSCREW, 1/2"NC x 4-3/4"
12	045253	2	CAPSCREW, 1/2"NC x 3-3/4"
	904208	3	LOCKWASHER, 1/2"
13	621262	1	STUD, shift lever housing
	911041	1	NUT, 3/8"NF
	904206	1	LOCKWASHER, 3/8"
14	085877	1	GASKET, shift lever housing
15	085878	1	GASKET, shaft rear locking plate
16	620980	3	GASKET, shaft locking plates
17	620981	2	PIN, dowel, shaft locking plates
18	623902	1	PLATE, shaft locking, rear
19	035190	1	CAPSCREW, 1/2"NC x 1-1/2"
	904208	1	LOCKWASHER, 1/2"
20	623903	1	PLATE, shifting shaft plunger
21	641356	3	PLUNGER, shifting shaft interlock
22	096922	3	SPRING, shifting shaft interlock
23	620974	1	GASKET, plunger retaining bar

(Continued)

GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	620982	1	BAR, plunger retaining
25	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
26	623904	1	PLATE, shaft locking, front
27	623905	1	PLATE, shaft guiding
28	638953	8	DETENT, shifting shaft interlock
29	620964	2	BLOCK, spacing, interlock detent
30	620240	1	SHAFT, shifting fork, upper
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
31	620238	1	SHAFT, shifting fork, center
32	620242	1	SHAFT, shifting fork, lower
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
33	035018	6	CAPSCREW, shifting fork (1/2"NF x 1-1/2")
34	{ 080867	1	FORK, gear shifting, rear (Used prior to tractor #9004)
	650743	1	FORK, gear shifting, rear (Effective with tractor #9004)
35	{ 080882	1	FORK, gear shifting, center (Used prior to tractor #9004)
	650742	1	FORK, gear shifting, center (Effective with tractor #9004)
36	{ 080939	1	FORK, gear shifting, front (Used prior to tractor #9004)
	650741	1	FORK, gear shifting, front (Effective with tractor #9004)
36A	650744	2	COLLAR, wear, rear and center shifting forks
36B	647908	1	COLLAR, wear, front shifting fork
			} Effective with tractor #9004
37	050267	1	WASHER, plunger sleeve (copper)
38	078402	1	WASHER, shifting lock plunger
39	{ 620975	1	SLEEVE, shifting lock plunger (Tractors prior to #7808)
	635081	1	SLEEVE, shifting lock plunger (Tractors #7808 thru #9044)
	651580	1	SLEEVE, shifting lock plunger (Tractors #9045 and up)
40	{ 080166	1	BOOT, locking plunger (Used prior to tractor #7808)
	635082	1	BOOT, locking plunger (Effective with tractor #7808)
	916897	2	CLAMP, hose, 1" diam.
41	{ -----	1	PLUNGER, shifting lock (Used prior to tractor #7808)(Order PLUNGER 638094, SLEEVE 635081 and O-RING 923560)
	638094	1	PLUNGER, shifting lock (Effective with tractor #7808)
	916146	1	PIN, roll, 3/32" x 1/2"
41A	{ 923560	1	O-RING, shifting lock plunger (Tractors #7808 thru #9044)
	651725	1	SEAL, shifting lock plunger (Tractors #9045 and up)
42	620939	1	ROD, shifting lock
	911115	2	WASHER, plain, SAE std., 3/8"
	900942	1	PIN, cotter, 3/32" x 5/8"
	911041	2	NUT, 3/8"NF
43	035910	2	SPRING, plunger rod
44	050265	1	SWIVEL, shifting lock plunger rod
	910244	1	WASHER, plain, SAE std., 1/2"
	900805	1	PIN, cotter, 1/8" x 3/4"
45	620937	1	LEVER, shifting lock
46	036997	1	KEY, #13 woodruff, 3/16" x 1", hardened
47	046419	1	CAPSCREW, 3/8"NF x 2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF

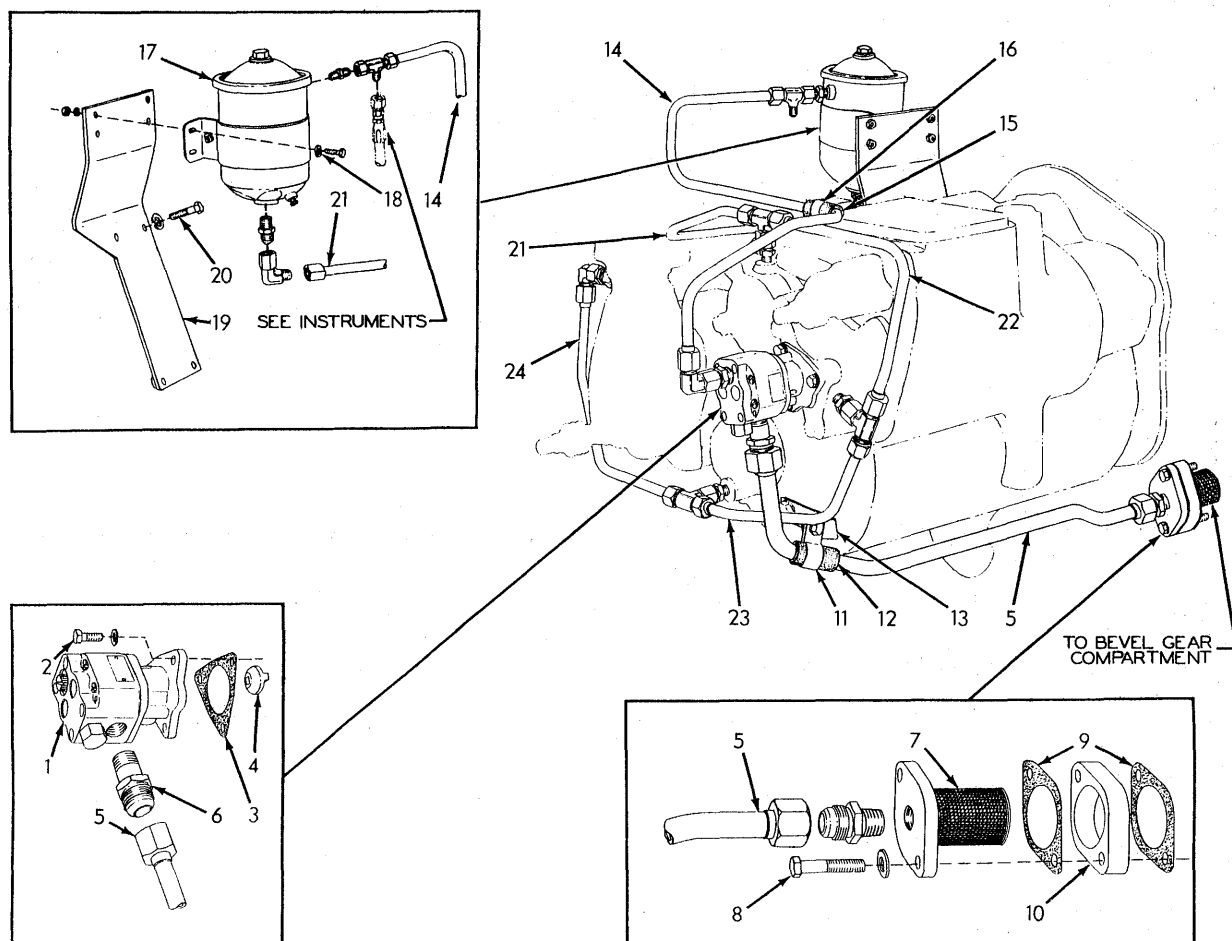


OIL FILTER ASSEMBLY 623609

T-27496

USAGE: See pages 216 and 218

ITEM	PART NO.	QTY.	DESCRIPTION
1	623608	1	BOLT ASSEMBLY (Includes check valve. Serviced only as a unit)
2	4049469	1	GASKET, cover bolt
3	4049471	1	COVER, filter body
4	4049470	1	GASKET, filter body cover
5	4048793	1	SPRING, cartridge retaining
6	4048794	1	WASHER, cartridge gasket
7	4041209	1	GASKET, cartridge
8	4372517	1	CARTRIDGE ASSEMBLY (Includes items 2, 4 and 7)
9	4049472	1	BODY, oil filter
	917426	1	PLUG, pipe, hex-hd., 1/8"NPT
10	4506165	1	CLAMP, mounting
11	4371974	1	BOLT, mounting clamp
12	4371973	1	LOCKWASHER
13	4371795	1	NUT



TRANSMISSION OIL PUMP

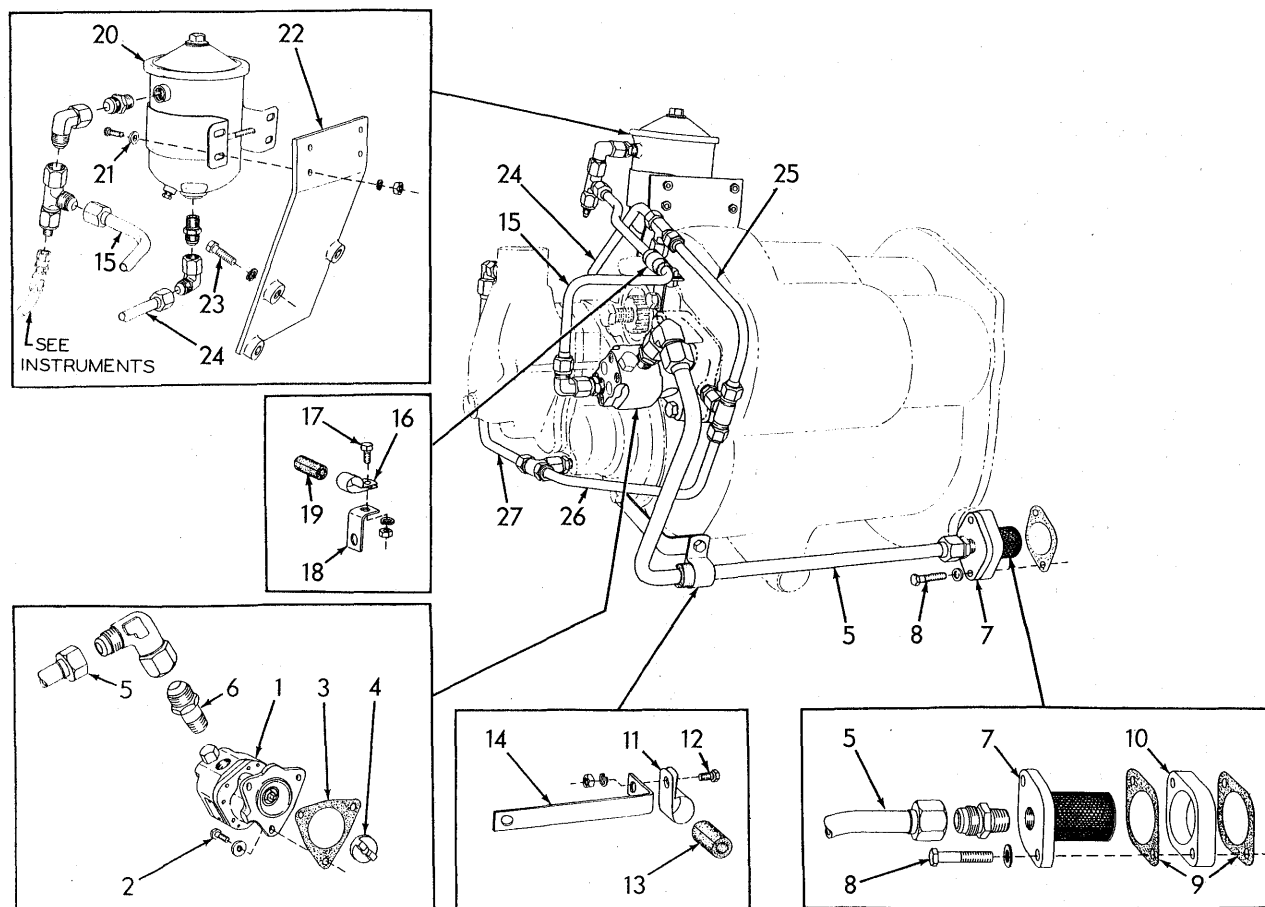
USAGE: Model HD11G tractors serial No. 6473 and up

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	623316	1	PUMP ASSEMBLY (See page 220 for parts)
2	054130	3	CAPSCREW, 5/16"NC x 7/8"
	917330	3	WASHER, plain, copper, 5/16"
3	4376605	1	GASKET, oil pump
4	099005	1	COUPLING, pump drive
5	623407	1	TUBE ASSEMBLY, suction (Includes nuts)
	919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
6	623310	1	CONNECTOR, suction tube

(Continued)

TRANSMISSION OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	098940	1	SCREEN, oil
8	046419	2	CAPSCREW, 3/8"NF x 1-1/4"
	917264	2	WASHER, plain, copper, 3/8"
9	098941	2	GASKET, oil screen
10	099069	1	SPACER, oil screen
11	054034	1	CLIP, suction tube
	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
12	097611	1	BOOT, suction tube (rubber)
13	623410	1	ANGLE, suction tube supporting
14	629647	1	TUBE ASSEMBLY, pump to filter (Includes nuts)
	919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	921298	1	TEE, flare type, swivel nut, 1/2" tube
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
15	093752	1	BOOT, tube protecting (rubber)
16	097534	1	CLIP, tube supporting
17	623609	1	FILTER ASSEMBLY (See page 215 for parts)
	912327	4	CAPSCREW, 1/4"NC x 7/8"
18	092635	4	WASHER, plain
	904204	4	LOCKWASHER, 1/4"
	911024	4	NUT, 1/4"NC
19	629645	1	BRACKET, filter mounting
20	053616	4	CAPSCREW, 3/8"NC x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
21	629646	1	TUBE ASSEMBLY, filter to top shaft (Includes nuts)
	624826	1	CONNECTOR, flare type, restricted, 1/2" tube, 3/8"NPT male
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
22	623625	1	TUBE ASSEMBLY, top shaft to intermediate shaft (Includes nuts)
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
23	623626	1	TUBE ASSEMBLY, intermediate shaft to pinion shaft (Includes nuts)
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
24	623605	1	TUBE ASSEMBLY, pinion shaft to shift housing (Includes nuts)
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male



TRANSMISSION OIL PUMP

T-32110

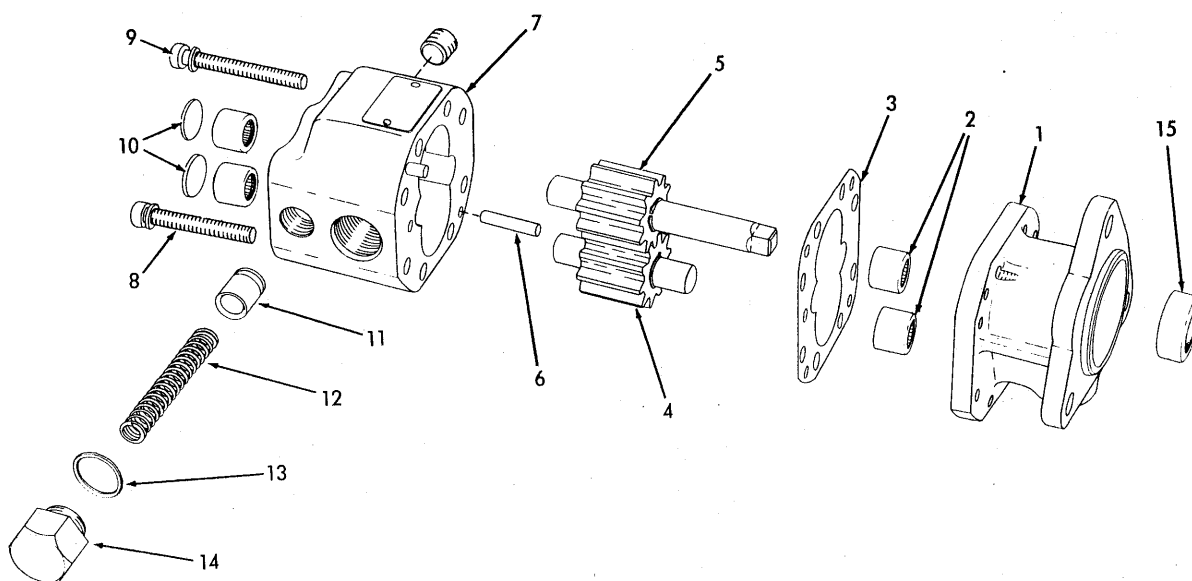
USAGE: Model HD11GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	623316	1	PUMP ASSEMBLY (See page 220 for parts)
2	054130	3	CAPSCREW, 5/16"NC x 7/8"
	917330	3	WASHER, plain, copper, 5/16"
3	4376605	1	GASKET, oil pump
4	099005	1	COUPLING, pump drive
5	623884	1	TUBE ASSEMBLY, suction (Includes nuts)
	919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	919624	1	ELBOW, flare type, swivel nut, 3/4" tube
6	623310	1	CONNECTOR, suction tube (pump end)

(Continued)

TRANSMISSION OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	098940	1	SCREEN, oil
8	046419	2	CAPSCREW, 3/8"NF x 1-1/4"
	917264	2	WASHER, plain, copper, 3/8"
9	098941	2	GASKET, oil screen
10	099069	1	SPACER, oil screen
11	054034	1	CLIP, suction tube
12	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
13	097611	1	BOOT, protecting, suction tube (rubber)
14	623883	1	ANGLE, suction tube supporting
15	630545	1	TUBE ASSEMBLY, pump to filter (Includes nuts)
	921279	2	ELBOW, flare type, swivel nut, 1/2" tube
	921298	1	TEE, flare type, swivel nut, 1/2" tube
	919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
16	097534	1	CLIP, tube supporting
17	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
18	623309	1	ANGLE, tube supporting clip
19	093752	1	BOOT, tube protecting (rubber)
20	623609	1	FILTER ASSEMBLY (See page 215 for parts)
	912327	4	CAPSCREW, 1/4"NC x 7/8"
21	092635	4	WASHER, plain
	904204	4	LOCKWASHER, 1/4"
	911024	4	NUT, 1/4"NC
22	621282	1	PLATE, filter mounting
23	053616	3	CAPSCREW, 3/8"NC x 1-3/4"
	904206	3	LOCKWASHER, 3/8"
24	630544	1	TUBE ASSEMBLY, filter to top shaft (Includes nuts)
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
25	623599	1	TUBE ASSEMBLY, top shaft to reverse shaft (Includes nuts)
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
26	623601	1	TUBE ASSEMBLY, reverse shaft to pinion shaft (Includes nuts)
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
27	623642	1	TUBE ASSEMBLY, pinion shaft to shift housing (Includes nuts)
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male

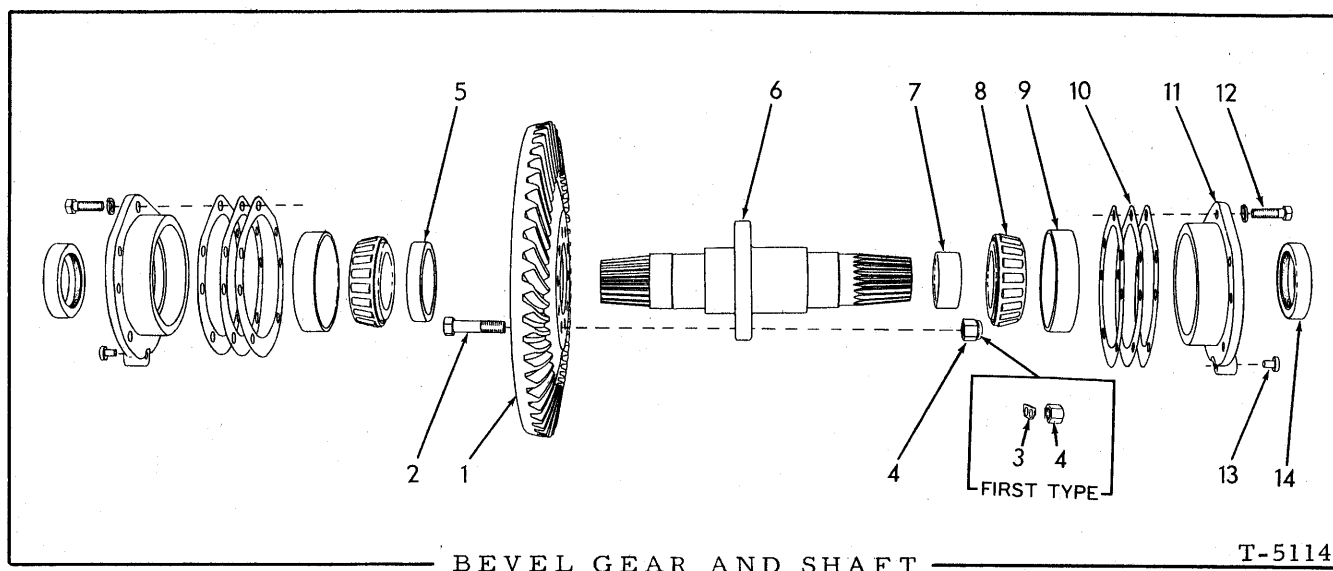


OIL PUMP ASSEMBLY 623316

T-30900

USAGE: See pages 216 and 218.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	STATOR (Not serviced separately)
2	077241	4	BEARING, needle
3	621363	1	GASKET, pump housing
4	098394	1	SHAFT ASSEMBLY, idler (Includes gear. Serviced only as a unit)
5	623845	1	SHAFT ASSEMBLY, driving (Includes gear. Serviced only as a unit)
6	4048000	2	PIN, dowel, pump housing
7	-----	1	HOUSING, gear (Not serviced separately)
	910231	1	PLUG, pipe, hex-socket, 1/8"NPT
8	622083	4	SCREW ASSEMBLY, short (Includes lockwasher)
9	623834	4	SCREW ASSEMBLY, long (Includes lockwasher)
10	092107	2	PLUG, expansion, 11/16" diam.
11	623835	1	PLUNGER, pressure relief valve
12	623838	1	SPRING, pressure relief valve
13	623837	1	GASKET, pressure relief valve cap
14	623836	1	CAP, pressure relief valve
15	4047783	1	SEAL, oil (Not used on early units)

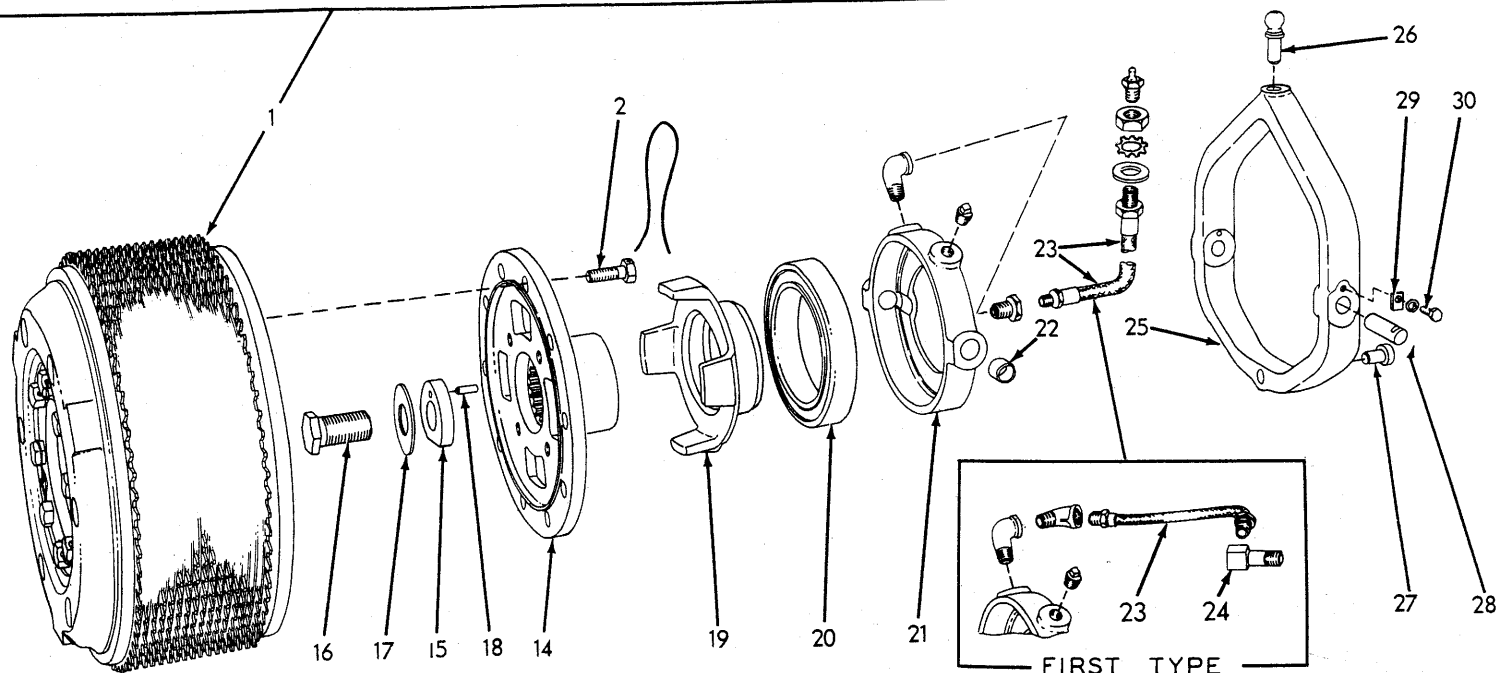
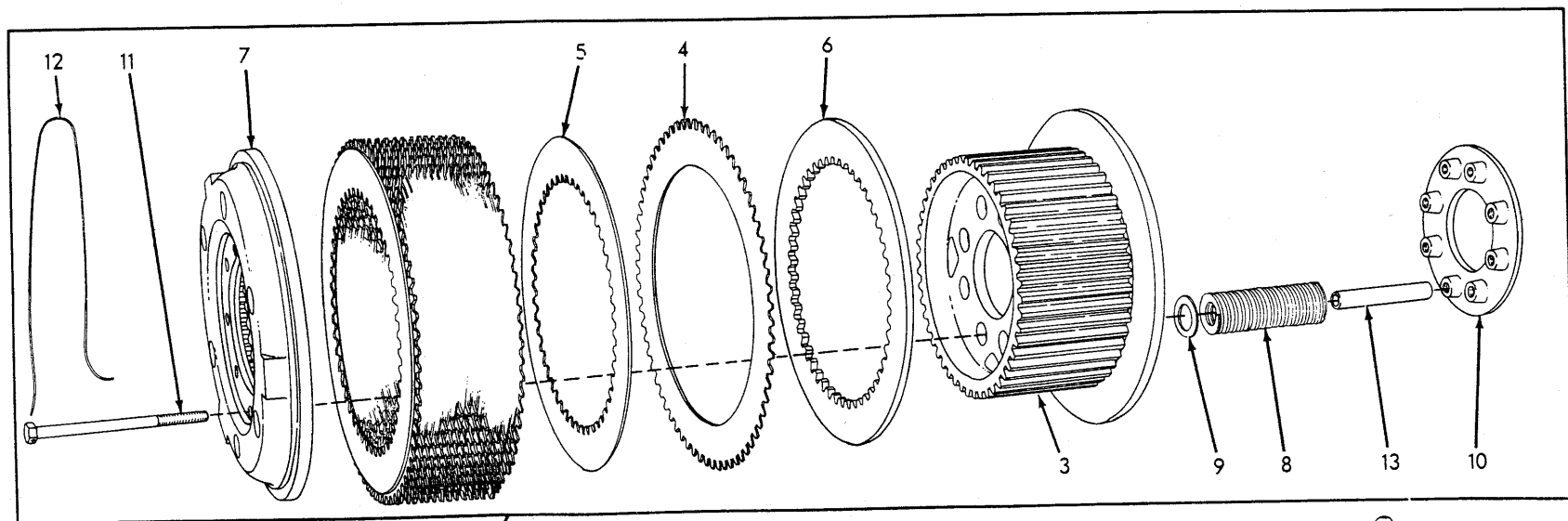


BEVEL GEAR AND SHAFT

T-5114

* Model HD11G
** Model HD11GC

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	056780	1	-	GEAR, spiral bevel (50 teeth, 15-3/4" diam.)
	620752	-	1	GEAR, spiral bevel (50 teeth, 16-3/4" diam.)
2	052270	10	-	BOLT, 5/8"NF x 2-1/2"
	067680	-	10	BOLT, 5/8"NF x 2-3/4"
3	067618	5	5	LOCK, nut
4	072366	10	10	NUT, high
	645320	10	10	NUT, elastic stop, 5/8"NF (Effective with tractor #8941)
5	067577	1	-	RING, bolt locking
	627279	-	1	RING, bolt locking
6	056778	1	1	SHAFT ASSEMBLY (Includes item 7)
7	069409	2	2	SLEEVE, shaft oil seal
8	069656	2	2	CONE ASSEMBLY, bearing
9	604406	2	2	CUP, bearing
10	056797	12	12	SHIM, bearing adjusting (.005" thick. Use as req'd)
	056798	12	12	SHIM, bearing adjusting (.007" thick. Use as req'd)
	056799	10	10	SHIM, bearing adjusting (.010" thick. Use as req'd)
11	082278	2	2	CAGE ASSEMBLY, bearing (Includes item 13)
12	633569	10	10	CAPSCREW, Nylok, 1/2"NF x 1-1/2"
	904208	10	10	LOCKWASHER, 1/2"
13	051291	2	2	PIN, wear, bearing cage
14	629040	2	2	SEAL, oil

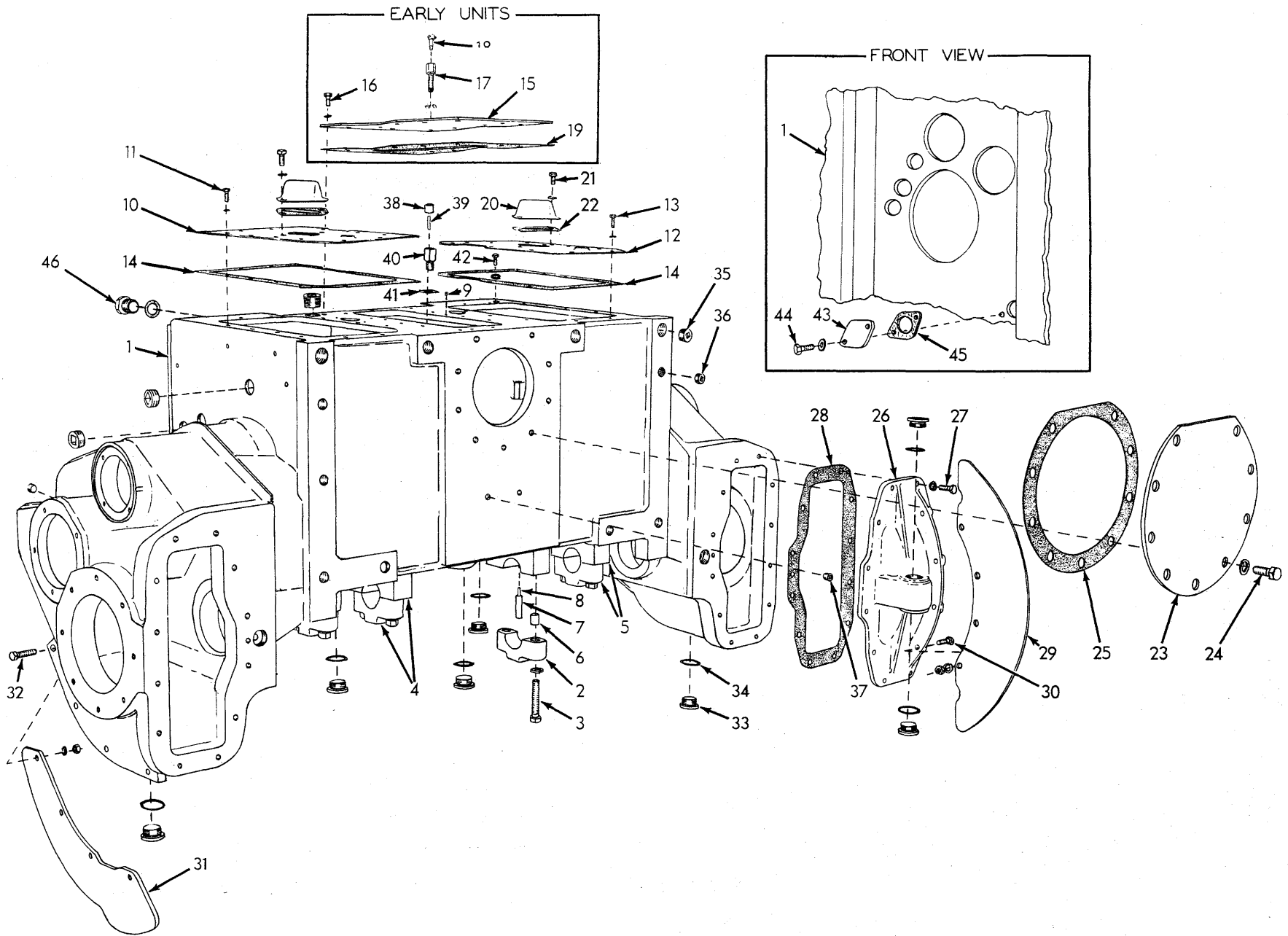


STEERING CLUTCHES

T-5113

STEERING CLUTCHES

ITEM	PART NO.	QTY.	DESCRIPTION
1	056790	2	CLUTCH ASSEMBLY, steering (Consists of items 3 thru 13)
2	090767	20	CAPSCREW, drilled-hd., 1/2"NC x 1-3/16"
	023633	10	WIRE, locking, 1/16" x 12"
3	056791	2	HUB, clutch
4	057375	30	DISC, friction (bi-metallic)
	093996	4	DISC, friction (bi-metallic, tapered thickness)
5	624562	34	DISC, friction (steel)(Use as req'd)
6	056792	2	PLATE, back
7	056793	2	PLATE, pressure
8	087958	16	SPRING, pressure
9	034300	16	WASHER, spring insulating
10	050214	2	PLATE, throwout
11	056817	16	CAPSCREW, throwout plate (1/2"NC x 6")
12	023756	4	WIRE, locking, 1/16" x 26"
13	056794	16	SPACER, throwout plate
14	069220	2	HUB, driving
15	637932	2	WASHER ASSEMBLY, hub retaining (Includes item 18)
16	630045	2	CAPSCREW, thin-hd., 1"NF x 1-3/4"
17	651745	2	WASHER, locking
18	035793	2	PIN, hub retaining washer
19	082262	2	SLEEVE, throwout
20	050440	2	BEARING, ball, throwout sleeve
21	050249	2	CAGE ASSEMBLY, throwout bearing (Includes item 22)
	901652	2	PLUG, pipe, 1/4"NPT
22	050227	4	BUSHING, pivot, throwout bearing (steel)
	082785	2	HOSE, lubricating, throwout bearing (9-3/4" long)(Used prior to tractor #6821)
	901722	2	ELBOW, pipe, street, 90°, 1/4"NPT
	907058	2	ELBOW, pipe, street, 45°, 1/4"NPT
23	061133	2	HOSE, lubricating, throwout bearing (16" long)(Effective with tractor #6821)
	901722	2	ELBOW, pipe, street, 90°, 1/4"NPT
	901825	2	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
	911100	2	WASHER, plain, SAE std., 5/8"
	910543	2	LOCKWASHER, ext-tooth, 5/8"
	911049	2	NUT, jam, 5/8"NF
	914465	2	FITTING, lubricating, straight, 1/8"NPT
24	042538	2	ELBOW, throwout bearing hose (90°, 1/4"NPT male and female, long type)(Used prior to tractor #6821)
25	620712	2	YOKE ASSEMBLY, clutch throwout (Includes items 26 and 27)
26	035878	2	BALL, throwout yoke
27	050220	2	PIN, wear, throwout yoke
28	050222	4	PIN, trunnion
29	050221	4	BLOCK, trunnion pin locking
30	047478	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"



STEERING CLUTCH AND FINAL DRIVE HOUSING

STEERING CLUTCH AND FINAL DRIVE HOUSING

* Tractors prior to serial No. 8941
 ** Tractors serial No. 8941 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	HOUSING ASSY. (Order HOUSING ASSY. 643969. If for tractors prior to #6821, also order 2 each HOSE 061133, BUSHING 901825, LOCKWASHER 910543, NUT 911049 and WASHER 91100. If for tractors #6025 thru #6195 including #6211, add 2 CAGE 093256, 4 SHIM 093249, 4 SHIM 093250, 10 CAPSCREW 023465, 10 LOCKWASHER 904209 and 14 SHIM 093248. If for tractors prior to #4179, include 2 PLUG 904223. If for tractors prior to #2502, also add 2 COVER 091571 and 2 O-RING 923817. If for tractors prior to #1237, also include 2 PIN 089320.
	643969	-	1	HOUSING ASSEMBLY (Includes items 2 thru 8 and 43 thru 46)
	907070	2	-	PLUG, pipe, ctsk-hd., 1/4"NPT (Used on tractors #4044 thru #4178)
	904223	4	4	PLUG, pipe, ctsk-hd., 1/2"NPT
	904224	2	-	PLUG, pipe, ctsk-hd., 3/4"NPT (Used prior to tractor #4044)
	901667	4	7	PLUG, pipe, ctsk-hd., 1-1/4"NPT
2	060552	4	4	CAP, truck frame pivot shaft (Also see items 4 and 5)
3	052527	8	8	CAPSCREW, 3/4"NF x 3-1/2"
	904369	8	8	LOCKWASHER, 3/4"
4	096210	2	2	CAP ASSEMBLY, truck frame pivot shaft, inner
5	096209	2	2	CAP ASSEMBLY, truck frame pivot shaft, outer
<u>NOTE:</u> Each Cap Assembly listed above includes items 2, 3 and 6; also upper block which requires welding to housing				
6	075053	8	8	DOWEL, hollow, pivot shaft cap
7	076726	2	2	WICK ASSEMBLY, pivot shaft lubricating (Consists of 1 PIN and 1 WICK 050357. Also serves as dowel PIN for pivot shaft)
8	050357	2	2	WICK, pivot shaft lubricating (felt)
9	099549	2	2	SETSCREW, hole plugging (1/2"NF x 3/4", Nylok)(Effective with tractor #6069)
10	630189	1	-	COVER, left steering clutch compartment
	643995	-	1	COVER, left steering clutch compartment
11	036032	11	11	CAPSCREW, 3/8"NF x 3/4"
	904206	11	11	LOCKWASHER, 3/8"
12	630190	1	1	COVER, right steering clutch compartment
13	036032	11	11	CAPSCREW, 3/8"NF x 3/4"
	904206	11	11	LOCKWASHER, 3/8"
14	638709	2	2	GASKE T, steering clutch compartment covers

(Continued)

STEERING CLUTCH AND FINAL DRIVE HOUSING (Continued)

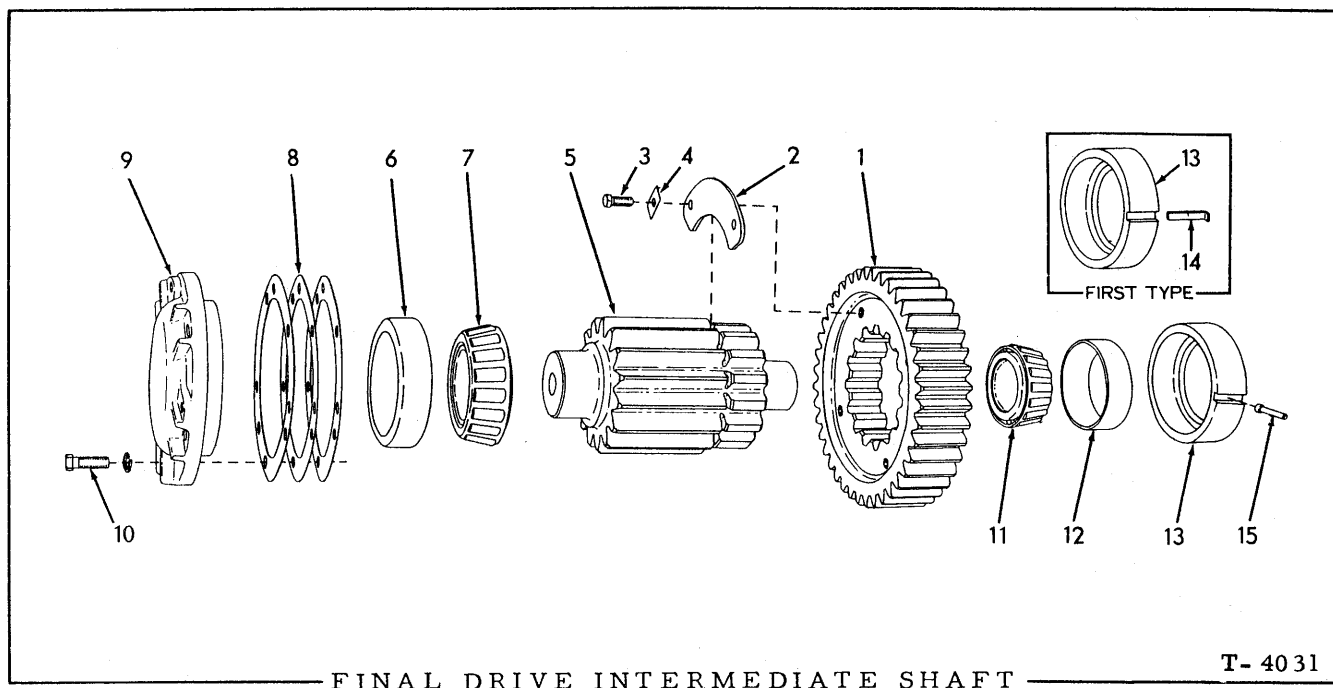
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
15	067620	1	-	COVER, bevel gear compartment, top (Used prior to tractor #6069)
16	070467	13	-	CAPSCREW, 1/2"NF x 1" (1 additional used prior to tractor #3998)
17	094543	1	-	CAPSCREW (drilled for breather)(Effective with tractor #3998)
	904208	14	-	LOCKWASHER, 1/2"
18	051447	1	-	BREATHER ASSEMBLY (Used on tractors #3998 thru #6068)
19	067621	1	-	GASKET, bevel gear compartment top cover (Used prior to tractor #6069)
20	052922	2	2	COVER, brake band adjustment
21	070467	4	4	CAPSCREW, 1/2"NF x 1"
	904208	4	4	LOCKWASHER, 1/2"
22	066596	2	2	GASKET, brake band adjustment cover
23	052977	1	1	COVER, bevel gear compartment, rear (Removed when Power Take-off is installed)
24	035392	9	9	CAPSCREW, 5/8"NC x 1-1/4"
	904209	9	9	LOCKWASHER, 5/8"
25	052976	1	1	GASKET, bevel gear compartment rear cover
26	064374	2	2	COVER, final drive compartment
27	035018	26	26	CAPSCREW, 1/2"NF x 1-1/2"
	904208	26	26	LOCKWASHER, 1/2"
28	064377	2	2	GASKET, final drive compartment cover
29	069648	2	2	GUARD, track sprocket, upper (Standard type)
	083085	2	2	GUARD, track sprocket, upper (Special heavy-duty reinforced type)
30	035073	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	8	LOCKWASHER, 1/2"
	911043	8	8	NUT, 1/2"NF
31	064376	2	-	GUARD, track sprocket, lower (Standard type)
	644294	-	2	GUARD, track sprocket, lower (Standard type)
	083083	1	-	GUARD, track sprocket, lower left
	644419	-	1	GUARD, track sprocket, lower left
	083084	1	-	GUARD, track sprocket, lower right
	644420	-	1	GUARD, track sprocket, lower right
32	035073	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	8	LOCKWASHER, 1/2"
	911043	8	8	NUT, 1/2"NF
33	035250	9	9	PLUG, bevel gear and final drive compartment
34	035249	9	9	GASKET, plug
35	052979	4	4	PLUG, thread protecting (1-1/4"NF)

Special heavy-duty reinforced type

(Continued)

STEERING CLUTCH AND FINAL DRIVE HOUSING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
36	053421	2	2	PLUG, thread protecting (3/4"NPT)
37	051496	2	2	PLUG, thread protecting (5/8"NC)
38	082726	2	-	WICK, oiling, steering clutch throwout bearing, upper (Used prior to tractor #6821)
39	082727	2	-	WICK, oiling, steering clutch throwout bearing, lower (Used prior to tractor #6821)
40	075434	2	-	HOLDER, oiling wick (Used prior to tractor #6821)
41	075432	2	-	LOCK, oiling wick holder (Used prior to tractor #6821)
42	036032	1	1	CAPSCREW, 3/8"NF x 3/4" (Plugs open hole in housing)
	904206	1	1	LOCKWASHER, 3/8"
43	621310	-	1	PLATE, cover
44	012992	-	2	CAPSCREW, 3/8"NF x 1-1/4"
	917264	-	2	WASHER, copper, 3/8"
45	098941	-	1	GASKET, cover plate
46	920107	-	1	PLUG, housing (Includes O-RING indented below)
	921206	-	1	O-RING, plug sealing



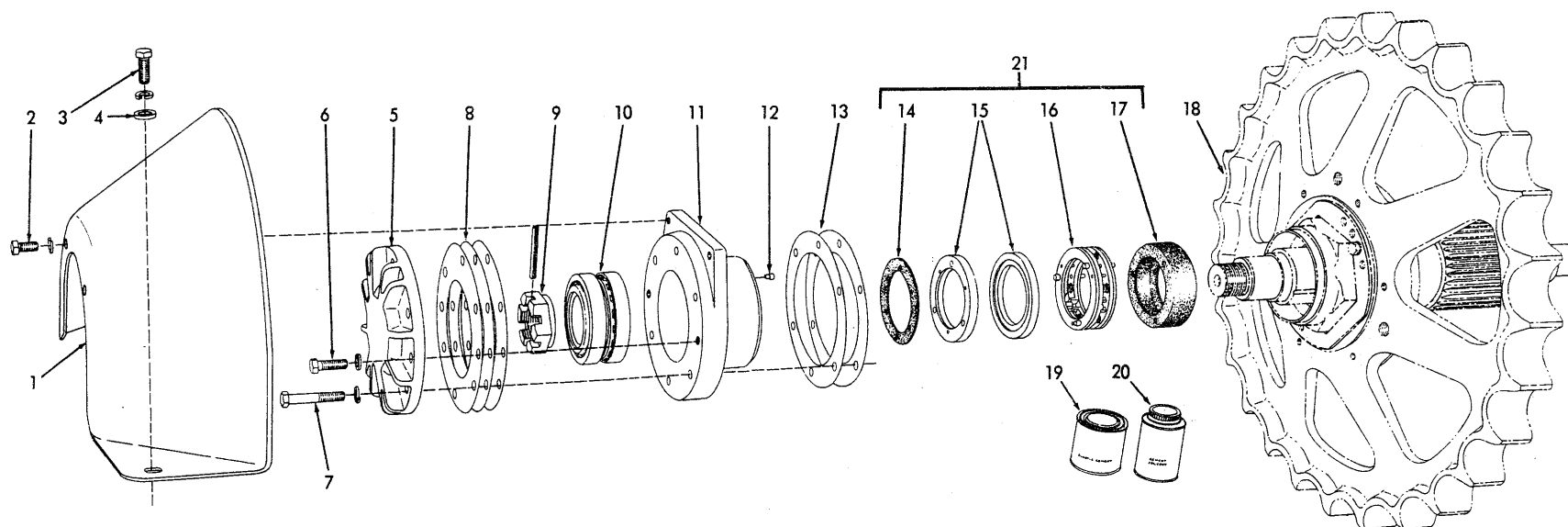
ITEM PART NO. QTY. DESCRIPTION

1	642642	2	GEAR (40 teeth)	
2	056508	4	LOCK, gear retaining	
3	035439	8	CAPSCREW, 3/8"NC x 1"	
4	052444	8	LOCK, capscREW	
5	642640	2	PINION (15 teeth)	
6	069328	2	CUP, outer bearing	
7	069441	2	CONE ASSEMBLY, outer bearing	
8	093250	4	SHIM, bearing adjustment (.005" thick. Use as req'd)	Not used on trac- tors #6025 thru #6195, including #6211
	093249	4	SHIM, bearing adjustment (.007" thick. Use as req'd)	
	093248	14	SHIM, bearing adjustment (.010" thick. Use as req'd)	
	621619	4	SHIM, bearing adjustment (.005" thick. Use as req'd)	Used on tractors #6025 thru #6195 only, including #6211
	621620	4	SHIM, bearing adjustment (.007" thick. Use as req'd)	
	621621	14	SHIM, bearing adjustment (.010" thick. Use as req'd)	

(Continued)

FINAL DRIVE INTERMEDIATE SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	084901	2	CAGE, outer bearing (Used prior to tractor #3998)
	621593	2	CAGE, outer bearing (Used on tractors #6025 thru #6195 only, including #6211)
	621601	8	PIN, dowel, 5/8" x 1-5/8"
	093256	2	CAGE, outer bearing (Effective with tractor #3998)(Not used on tractors #6025 thru #6195, including #6211)
	622036	2	CAGE KIT, outer bearing (Consists of 1 CAGE with 1/8" oversize O. D. , 4 DOWELS 621601 and set of SHIMS. Use to salvage final drive housings with worn bore. Cage must have O. D. finish-machined for tight fit in housing bore.
10	035018	10	CAPSCREW, 1/2"NF x 1-1/2"
	904208	10	LOCKWASHER, 1/2"
	023465	10	CAPSCREW, 5/8"NF x 1-3/4"
	904209	10	LOCKWASHER, 5/8"
11	211582	2	CONE ASSEMBLY, inner bearing
12	211581	2	CUP, inner bearing
13	084297	2	CAGE, inner bearing
14	084335	2	KEY, locking, inner bearing cage (Used prior to tractor #1237)
15	089320	2	PIN, locking, inner bearing cage (Effective with tractor #1237)

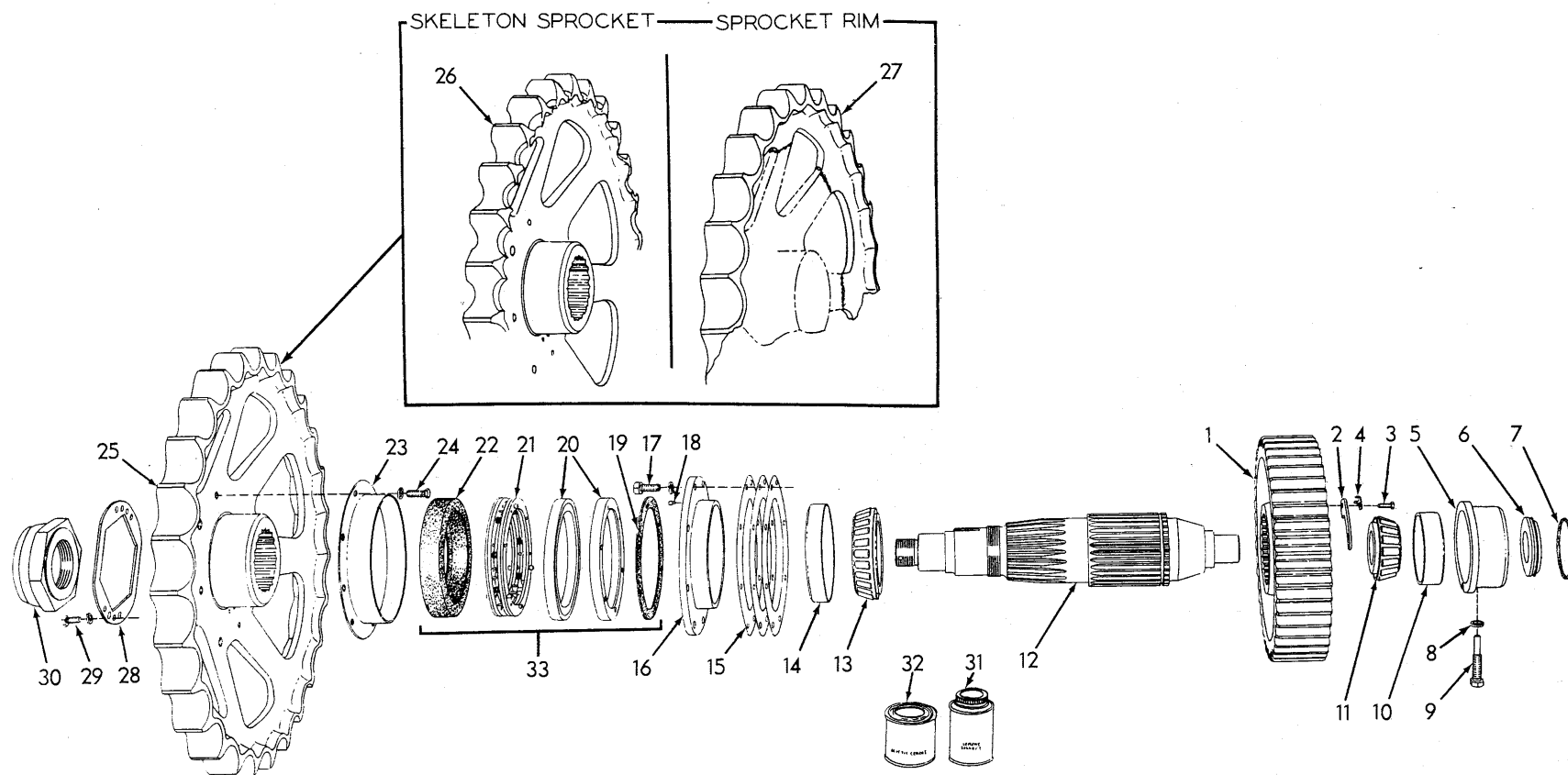


FINAL DRIVE OUTBOARD BEARING AND SEAL

FINAL DRIVE OUTBOARD BEARING AND SEAL

ITEM PART NO. QTY. DESCRIPTION

1	084326	2	GUARD, sprocket	
2	035221	4	CAPSCREW, 1/2"NC x 1"	
3	070469	4	CAPSCREW, 1/2"NF x 1-1/4"	
4	064531	4	WASHER, plain	
	904208	8	LOCKWASHER, 1/2"	
5	084303	2	COVER, outboard bearing	
6	035018	4	CAPSCREW, 1/2"NF x 1-1/2"	
7	070403	12	CAPSCREW, 1/2"NF x 3"	
	904208	16	LOCKWASHER, 1/2"	
8	084313	4	SHIM, outer bearing cap (.005" thick. Use as req'd)	
	084312	4	SHIM, outer bearing cap (.007" thick. Use as req'd)	
	084311	14	SHIM, outer bearing cap (.010" thick. Use as req'd)	
9	058925	2	NUT, retaining, outer bearing	
	917904	2	PIN, roll, 5/16" x 3"	
10	058702	2	BEARING, roller, outboard (Each consists of 1 roller assembly and 2 cups. Serviced only as a unit)	
11	084271	2	CAGE, outboard bearing	
12	084432	6	PIN, outer seal ring (See item 21)	
13	069080	12	SHIM, outboard bearing cage (.015" thick. Use as req'd)	
14	069106	2	GASKET, seal ring	
15	081787	4	RING, outer seal	
16	084337	2	FOLLOWER ASSEMBLY, outer seal (Serviced only as a unit)	See item 21
17	058814	2	BOOT, outer seal	
18	-----	-	SPROCKET (See page 233)	
19	033288	-	CEMENT, neoprene, 1/2" pint can	For cementing boots and gaskets
20	054890	-	SOLVENT, neoprene cement, 1/2 pint can	
21	091972	2	SEAL KIT (Includes parts for one (1) side only; items 12 and 14 thru 17)	



FINAL DRIVE SPROCKET, SHAFT AND GEAR

I-16297

FINAL DRIVE SPROCKET, SHAFT AND GEAR

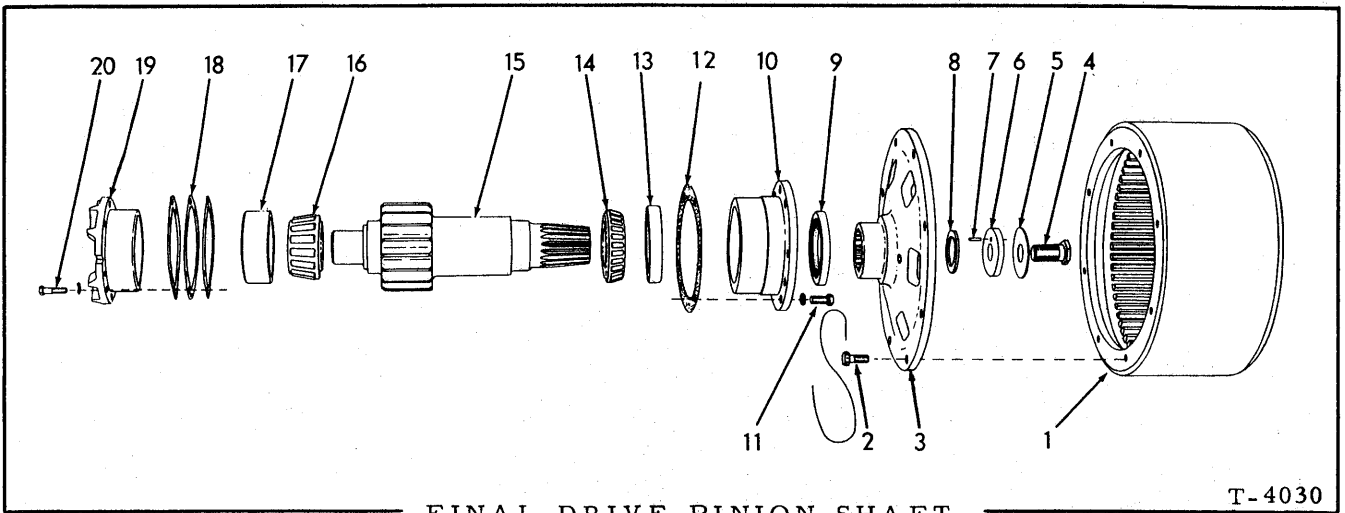
ITEM	PART NO.	QTY.	DESCRIPTION
1	642643	2	GEAR, driving
2	058826	4	LOCK, gear retaining
3	035439	8	CAPSCREW, 3/8"NC x 1"
4	052444	8	LOCK, capscrew
5	084289	2	CAGE, inner bearing cup
6	057273	2	COVER, inner bearing (Used prior to tractor #2502)
	091571	2	COVER, inner bearing (Effective with tractor #2502)
	923829	2	O-RING, inner bearing cover (Used prior to tractor #2502)
7	923817	2	O-RING, inner bearing cover (Effective with tractor #2502)
8	049918	2	WASHER, bearing cage setscrew (copper)
9	084278	2	SETSCREW, bearing cage (hex-hd., dog-pt., 5/8"NF x 3-3/8")
10	052070	2	CUP, inner bearing
11	084277	2	CONE ASSEMBLY, inner bearing
12	622135	2	SHAFT, sprocket
13	069615	2	CONE ASSEMBLY, intermediate bearing
14	069614	2	CUP, intermediate bearing
15	056971	8	SHIM, bearing adjustment (.005" thick. Use as req'd)
	056970	4	SHIM, bearing adjustment (.007" thick. Use as req'd)
	056969	24	SHIM, bearing adjustment (.010" thick. Use as req'd)
16	084349	2	CAGE ASSEMBLY, intermediate bearing (Includes item 18)
17	035018	16	CAPSCREW, 1/2"NF x 1-1/2"
	904208	16	LOCKWASHER, 1/2"
18	084432	6	PIN, locating, seal ring
19	058807	2	GASKET, seal ring
20	081788	4	RING, inner seal
21	058796	2	FOLLOWER ASSEMBLY, inner seal (Serviced only as a unit)
22	058806	2	BOOT, inner seal

See
item
33

(Continued)

FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

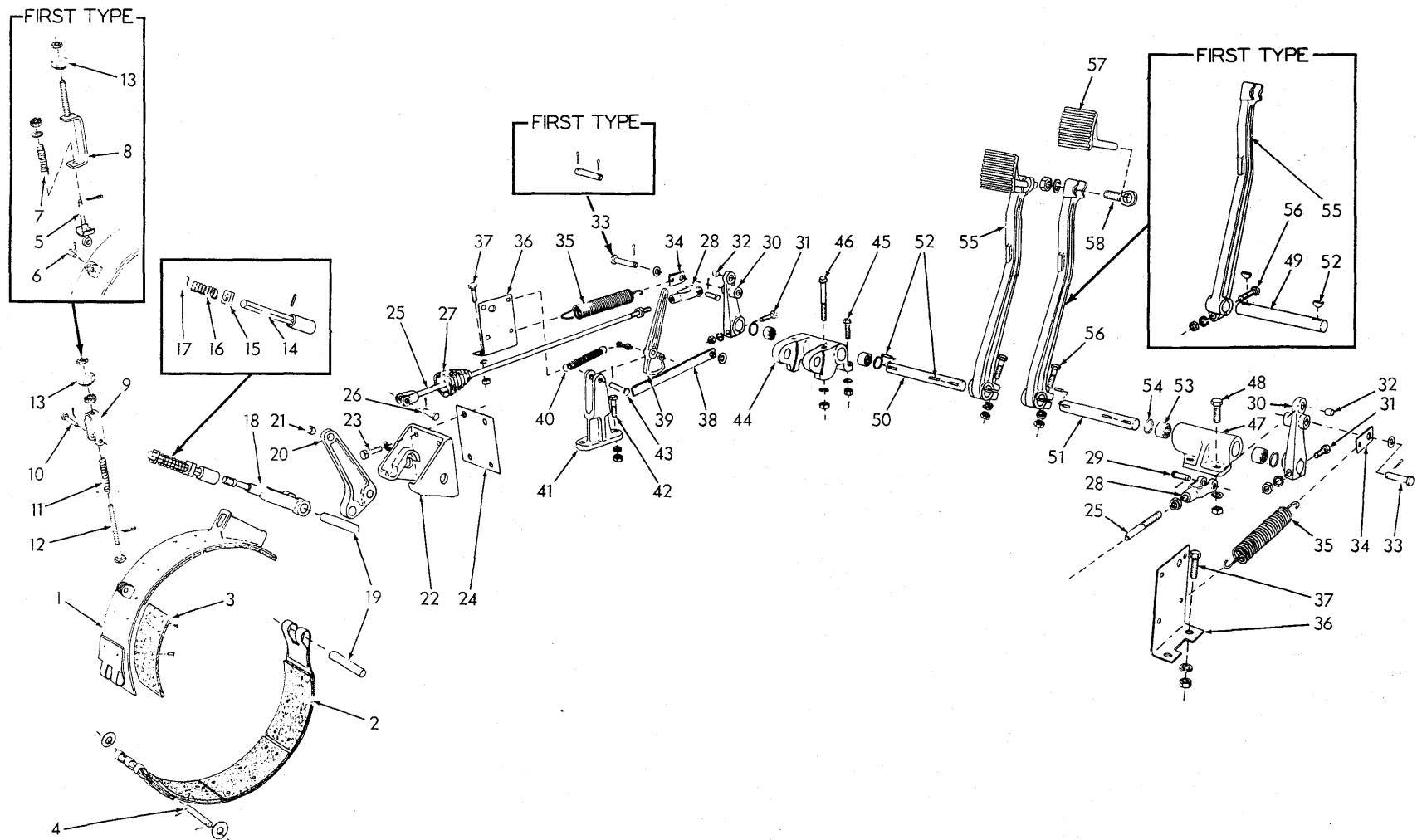
ITEM	PART NO.	QTY.	DESCRIPTION
23	084333	2	GUARD, seal (Used prior to tractor #5351)
	056966	2	GUARD, seal (Effective with tractor #5351)
24	035221	12	CAPSCREW, 1/2"NC x 1"
	904208	12	LOCKWASHER, 1/2"
	035061	8	CAPSCREW, 1/2"NC x 1-1/4"
	904208	8	LOCKWASHER, 1/2"
25	629048	2	SPROCKET, track (Standard. Has flat-tooth base)(Used prior to tractor #8941. If for tractors prior to #5351, also order GUARD 056966)
	643970	2	SPROCKET, track (Standard. Has flat-tooth base)(Effective with tractor #8941)
26	629267	2	SPROCKET, track (Special. Has skeleton tooth-base to minimize packing of track)(Used prior to tractor #8941. If for tractors prior to #5351, also order GUARD 056966)
	643856	2	SPROCKET, track (Special. Has skeleton tooth-base to minimize packing of track)(Effective with tractor #8941)
27	629270	2	RIM, track sprocket (Used prior to tractor #8941)
	644100	2	RIM, track sprocket (Effective with tractor #8941)
28	084299	2	LOCK, sprocket retaining nut
29	035221	4	CAPSCREW, 1/2"NC x 1"
	904208	4	LOCKWASHER, 1/2"
30	084236	2	NUT, sprocket retaining
31	054890	-	SOLVENT, neoprene cement, 1/2 pint can
32	033288	-	CEMENT, neoprene, 1/2 pint can
33	091973	2	SEAL KIT (Includes parts for one (1) side only; items 19 thru 22)



FINAL DRIVE PINION SHAFT

T-4030

ITEM	PART NO.	QTY.	DESCRIPTION
1	056801	2	DRUM, brake
2	090767	16	CAPSCREW, drilled-hd., 1/2"NC x 1-3/16"
	023756	4	WIRE, locking, 1/16" x 26"
3	056522	2	HUB, brake drum
4	630 045	2	CAPSCREW, hub retaining (1"NF x 1-3/4")
5	630 052	2	LOCK, hub retaining capscREW
6	623783	2	WASHER ASSEMBLY, hub retaining (Includes item 7)
7	035793	2	PIN, hub retaining washer
8	056513	2	WASHER, sealing, brake drum hub
9	628940	2	SEAL, oil
10	056788	2	CAGE, inner bearing
11	070469	12	CAPSCREW, 1/2"NF x 1-1/4"
	904208	12	LOCKWASHER, 1/2"
12	056512	2	GASKET, inner bearing cage
13	057005	2	CUP, inner bearing
14	057006	2	CONE ASSEMBLY, inner bearing
15	642641	2	PINION (16 teeth)
16	057004	2	CONE ASSEMBLY, outer bearing
17	057003	2	CUP, outer bearing
18	084905	4	SHIM, bearing adjustment (.005" thick. Use as req'd)
	084904	4	SHIM, bearing adjustment (.007" thick. Use as req'd)
	084903	14	SHIM, bearing adjustment (.010" thick. Use as req'd)
19	084319	2	CAGE, outer bearing
20	012992	8	CAPSCREW, 3/8"NF x 1-1/4"
	904206	8	LOCKWASHER, 3/8"



BRAKES

ITEM	PART NO.	QTY.	DESCRIPTION
1	057381	2	BAND ASSEMBLY, top section (4" wide)(Original equipment)
	654825	2	BAND ASSEMBLY, top section (5-1/2" wide)(Optional equipment)
2	057382	2	BAND ASSEMBLY, bottom section (4" wide)(Original equipment)
	654821	2	BAND ASSEMBLY, bottom section (5-1/2" wide)(Optional equipment)
<u>NOTE:</u> Each Band Assembly includes linings and rivets			
3	057208	12	LINING, brake band (4" wide)(Original equipment. See item 59)
	654827	12	LINING, brake band (5-1/2" wide)(For optional replacement bands only)
	911097	60	RIVET, tubular, brass, fl-hd., 3/16" x 3/8"
	915639	12	RIVET, tubular, brass, fl-hd., 3/16" x 21/32"
4	057207	2	PIN, hinge, brake band
	910244	4	WASHER, plain, SAE std., 1/2"
	900805	4	PIN, cotter, 1/8" x 3/4"
<u>NOTE:</u> Items 5 thru 8 comprise the FIRST TYPE BAND SUPPORT used prior to tractor serial No. 4304			
5	060772	2	BOLT, eye, band supporting
	900817	2	WASHER, plain, U.S. std., 3/8"
	910863	2	NUT, slotted, 3/8"NF
	900802	2	PIN, cotter, 3/32" x 1"
6	078810	2	PIN, eye bolt
	900942	2	PIN, cotter, 3/32" x 5/8"
7	060668	2	SPRING, band supporting eye bolt
8	060770	2	SUPPORT, band adjustment
	913830	2	NUT, jam, 1/2"NF
<u>NOTE:</u> Items 9 thru 12 comprise the SECOND TYPE BAND SUPPORT effective with tractor serial No. 4304			
9	095216	2	YOKE, band support
10	085038	2	PIN, band support yoke
	900942	2	PIN, cotter, 3/32" x 5/8"
11	095214	2	SPRING, band supporting
12	095215	2	BOLT, band supporting
	910867	2	NUT, slotted, 1/2"NF
	900807	2	PIN, cotter, 1/8" x 1-1/4"
	913830	2	NUT, jam, 1/2"NF
13	060774	2	NUT, band adjustment support
14	-----	2	ADJUSTER, brake band (6-7/16" long)(Used prior to tractor #2722. Order ADJUSTER 090960 and BLOCK 090958)
	090960	2	ADJUSTER, brake band (6-7/8" long)(Effective with tractor #2722)
	916227	2	PIN, roll, 1/4" x 1"

(Continued)

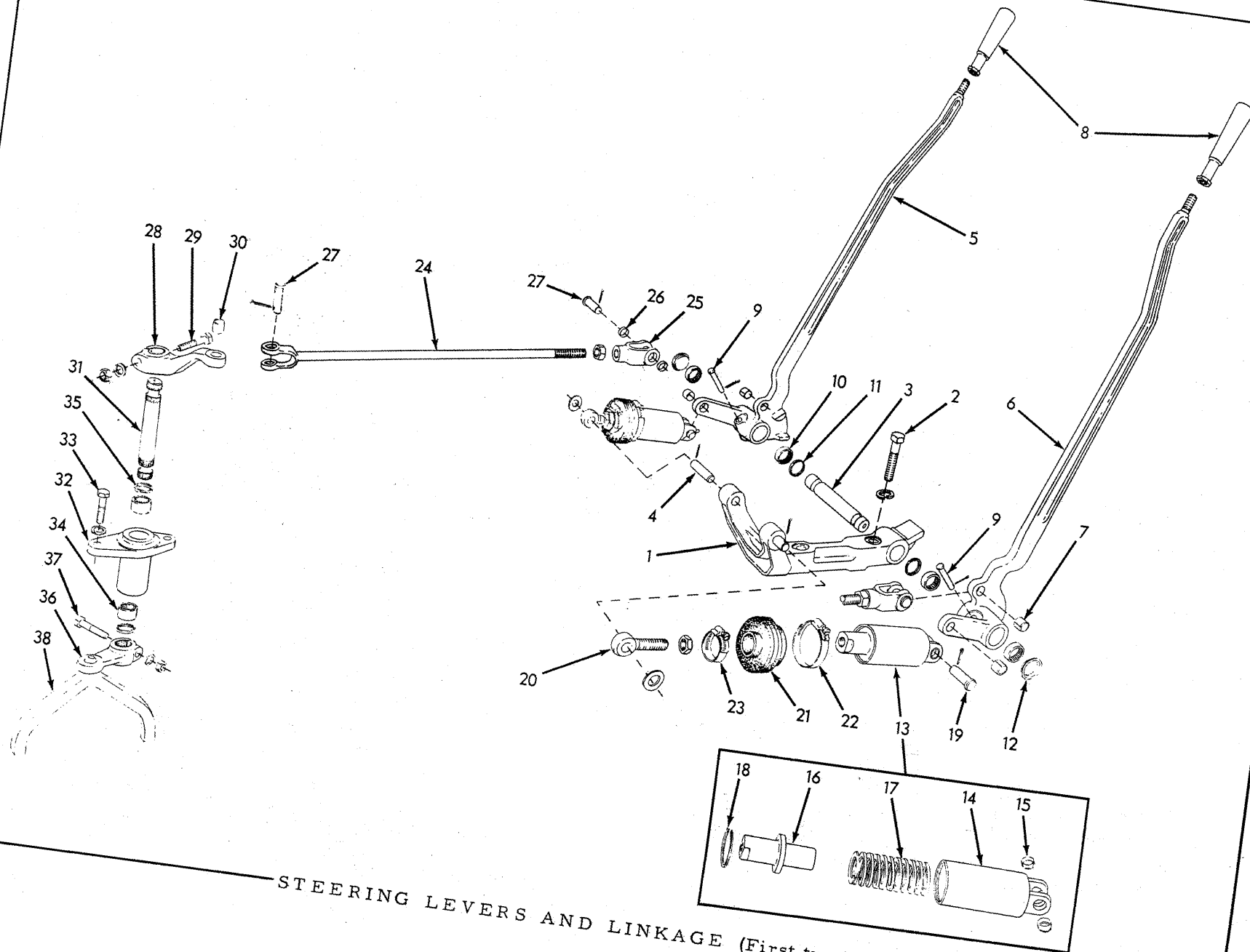
BR A K E S (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
15	-----	2	BLOCK, adjuster spring (17/32" thick)(Used prior to tractor #2722. Order BLOCK 090958 and ADJUSTER 090960)
	090958	2	BLOCK, adjuster spring (5/16" thick)(Effective with tractor #2722)
16	079203	2	SPRING, adjuster
17	079229	2	WASHER, adjuster spring
18	623488	2	YOKE, band adjusting
19	057200	4	PIN, band end
20	084359	2	LEVER ASSEMBLY, brake band (Includes item 21)
21	049988	2	BUSHING, band lever
22	057197	2	BRACKET, band
23	035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
24	060953	2	SHIM, band bracket (Use as req'd)
25	057195	2	ROD, control
	911043	2	NUT, 1/2"NF
26	049993	2	PIN, control rod
	900805	2	PIN, cotter, 1/8" x 3/4"
27	078908	2	BOOT, control rod
28	068389	2	YOKE, control rod
29	049993	2	PIN, control rod yoke
	900805	2	PIN, cotter, 1/8" x 3/4"
30	621539	2	LEVER ASSEMBLY, brake shaft (Includes item 32)
31	035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
32	049988	2	BUSHING, brake shaft lever
33	057191	2	PIN, brake shaft lever (press-fit)(Used prior to tractor #4911)
	900805	4	PIN, cotter, 1/8" x 3/4"
	910244	4	WASHER, plain, SAE std., 1/2"
	053077	2	PIN, brake shaft lever (loose-fit)(Effective with tractor #4911)
	900805	2	PIN, cotter, 1/8" x 3/4"
	910244	4	WASHER, plain, SAE std., 1/2"
34	079742	2	CLIP, spring attachment
35	035942	2	SPRING, pedal retracting

(Continued)

BRAKES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
36	621540	2	CLIP, spring attachment
37	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
38	057193	2	BAR, latching
39	084548	2	LOCK, parking brake
	905666	2	CAPSCREW, 5/16"NC x 2-1/2"
	906652	2	NUT, jam, 5/16"NC
40	043881	2	SPRING, brake lock
41	057196	2	BRACKET, parking brake lock
42	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
43	033074	2	PIN, parking brake lock
	900805	2	PIN, cotter, 1/8" x 3/4"
44	057187	1	BRACKET, left pedal lever
45	035018	2	CAPSCREW, 1/2"NF x 1-1/2"
46	057517	2	CAPSCREW, 1/2"NF x 4"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
47	620148	1	BRACKET, right pedal lever
48	{ 035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	035073	1	CAPSCREW, 1/2"NF x 1-3/4"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
49	084357	2	SHAFT, pedal (Used prior to tractor #6473)
50	646485	1	SHAFT, left pedal (Effective with tractor #6473)
51	621450	1	SHAFT, right pedal (Effective with tractor #6473)
52	036997	4	KEY, #13 woodruff, 3/16" x 1"
53	051513	4	BEARING, needle, pedal bracket
54	053926	4	SEAL, dust, pedal bracket
55	{ 089899	2	LEVER, pedal (Used prior to tractor #6473)
	620149	2	LEVER, pedal (Effective with tractor #6473)
56	035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
57	082636	2	PEDAL
58	050433	2	BOLT, eye
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
59	076123	2	LINING KIT, brake band (Includes linings and attaching rivets for one (1) side only; See item 3)



STEERING LEVERS AND LINKAGE (First type)

STEERING LEVERS AND LINKAGE

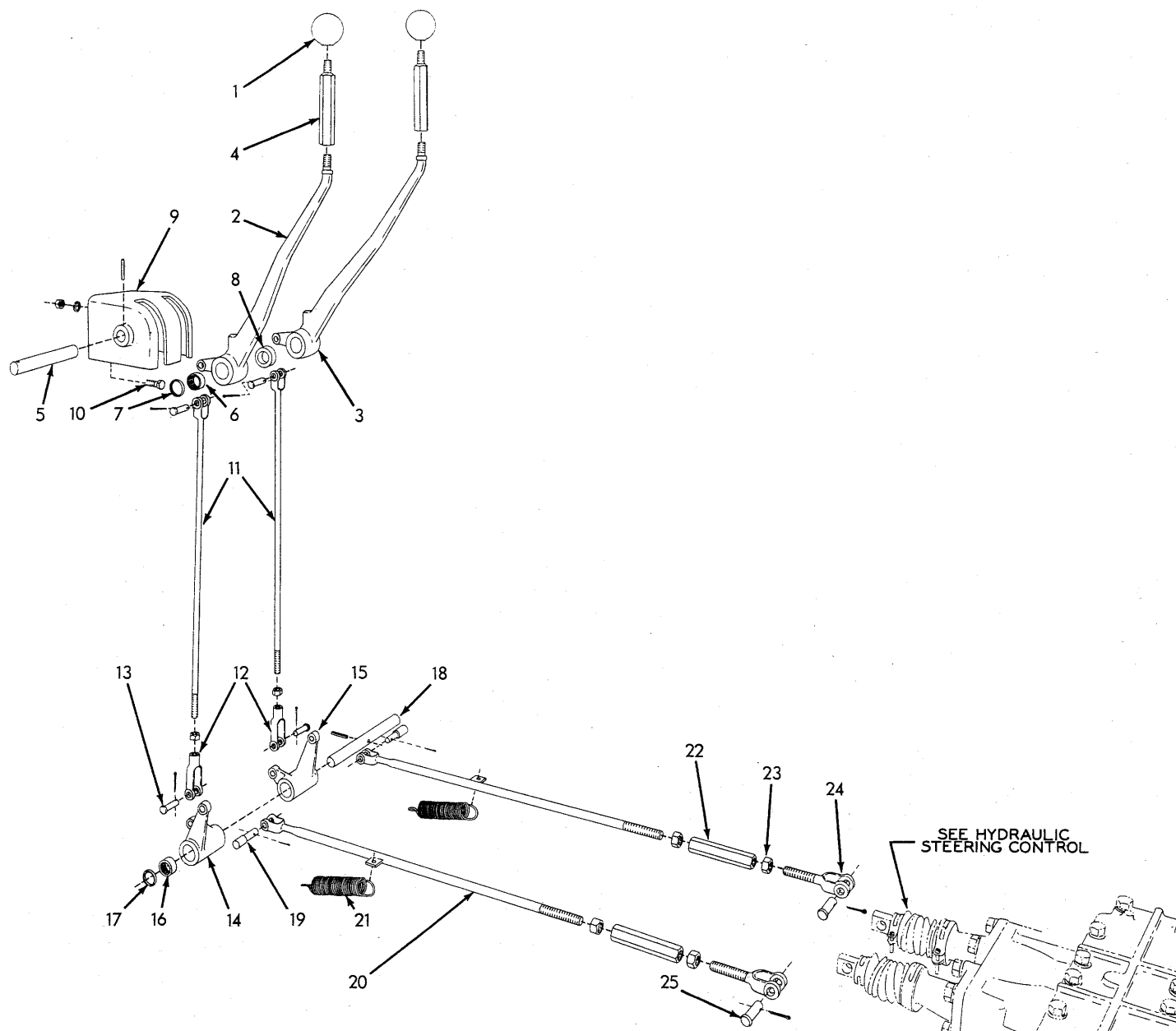
USAGE: Model HD11G tractors prior to serial No. 6069

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	084539	1	BRACKET ASSEMBLY, operating lever (Includes items 3 and 4)
2	037573	2	CAPSCREW, 5/8"NC x 2-3/4"
	904209	2	LOCKWASHER, 5/8"
3	049994	1	SHAFT, pivot, operating levers
4	069521	2	PIN, booster pivot
	900806	2	PIN, cotter, 1/8" x 1"
	911100	2	WASHER, plain, SAE std., 5/8"
5	{ 069489	1	LEVER ASSEMBLY, operating, left (Includes item 7)(Used prior to tractor #1077)
	{ 088963	1	LEVER ASSEMBLY, operating, left (Includes item 7)(Effective with tractor #1077)
6	{ 069490	1	LEVER ASSEMBLY, operating, right (Includes item 7)(Used prior to tractor #1077)
	{ 088964	1	LEVER ASSEMBLY, operating, right (Includes item 7)(Effective with tractor #1077)
7	052669	4	BUSHING, operating lever
8	078620	2	GRIP, operating lever
9	031854	2	PIN, retaining, operating lever
	900942	2	PIN, cotter, 3/32" x 5/8"
10	058322	4	BEARING, needle, operating lever
11	053926	2	SEAL, dust, operating lever
12	064942	2	COVER, operating lever
13	068166	2	BOOSTER ASSEMBLY, operating lever (Consists of items 14 thru 18)
14	068169	2	TUBE ASSEMBLY, booster (Includes item 15)
15	096142	4	BUSHING, booster tube yoke
16	096019	2	SLEEVE, booster
17	087958	2	SPRING, booster
18	068173	2	RING, snap, booster
19	052671	2	PIN, booster pivot
	900806	2	PIN, cotter, 1/8" x 1"
20	068163	2	BOLT, eye, booster pivot
	911049	2	NUT, jam, 5/8"NF
21	068165	2	BOOT, booster
22	921913	2	CLAMP, hose, adjustable, 1-7/8" diam. to 2-3/4" diam.
23	921912	2	CLAMP, hose, adjustable, 1-1/16" diam. to 2" diam.

(Continued)

STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
24	096062	2	ROD, control
	911044	2	NUT, 5/8"NF
25	052620	2	YOKE ASSEMBLY, control rod (Includes item 26)
26	096142	4	BUSHING, yoke
27	052671	4	PIN, control rod yoke
	900806	4	PIN, cotter, 1/8" x 1"
28	067623	2	LEVER ASSEMBLY, control rod (Includes item 30)
29	035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
30	052669	2	BUSHING, control rod lever
31	067622	2	SHAFT, lever
32	067619	2	CAGE, lever shaft bearing
33	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
34	051513	4	BEARING, needle, lever shaft
35	053926	4	SEAL, dust, lever shaft bearing
36	057842	2	LEVER, lower
37	035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
38	-----	-	YOKE ASSEMBLY (See STEERING CLUTCH)

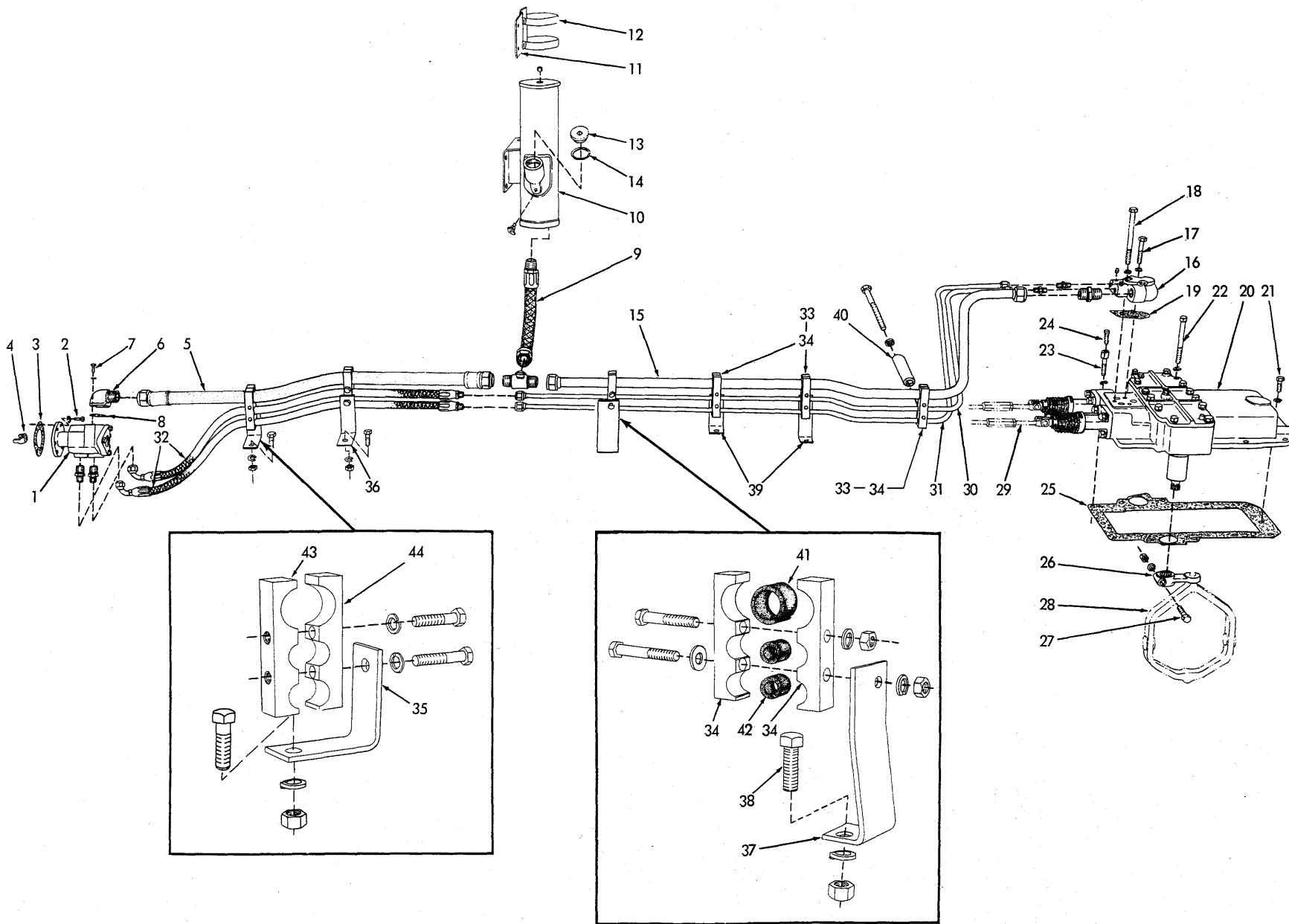


STEERING LEVERS AND LINKAGE (Second type)

STEERING LEVERS AND LINKAGE

USAGE: Tractors serial No. 6069 and up

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	091862	2	KNOB, steering lever
2	099529	1	LEVER, steering, left
3	099530	1	LEVER, steering, right
4	099583	2	EXTENSION, steering lever
5	099538	1	SHAFT, steering lever
	915989	1	PIN, roll, 3/16" x 1-3/8"
6	052643	4	BEARING, needle, steering lever
7	052662	4	SEAL, dust, steering lever bearing
8	610138	1	COLLAR, spacing, steering lever
9	099528	1	BRACKET, steering lever
10	203188	3	CAPSCREW, 3/8"NF x 1-1/4"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF
11	081534	2	ROD, vertical (20-1/2" long) (Model HD11GC; also Model HD11G tractors prior to #6911)
	630574	2	ROD, vertical (19-1/2" long) (Model HD11G tractors #6911 and up)
	911041	2	NUT, 3/8"NF
12	628736	2	YOKE, vertical rod
13	078810	4	PIN, vertical rod
	900801	4	PIN, cotter, 3/32" x 3/4"
14	099521	1	LEVER, bellcrank, left
15	099522	1	LEVER, bellcrank, right
16	052643	4	BEARING, needle, bellcrank lever
17	052662	4	SEAL, dust, bellcrank lever bearing
18	099537	1	SHAFT, bellcrank lever
	915989	1	PIN, roll, 3/16" x 1-3/8"
19	052564	2	PIN, stop, horizontal rod
	900801	2	PIN, cotter, 3/32" x 3/4"
20	099526	2	ROD, horizontal (21-1/2" long) (For all units except Model HD11G tractors #6911 and up)
	630564	2	ROD, horizontal (24" long) (Model HD11G tractors #6911 and up)
	911043	2	NUT, 1/2"NF
21	043881	2	SPRING, retracting
22	052601	2	NUT, adjusting
23	053005	2	NUT, control rod yoke (1/2"NF left hand thread)
24	073034	2	YOKE, control rod
25	049993	2	PIN, control rod yoke
	900805	2	PIN, cotter, 1/8" x 3/4"



STEERING CONTROL

STEERING CONTROL

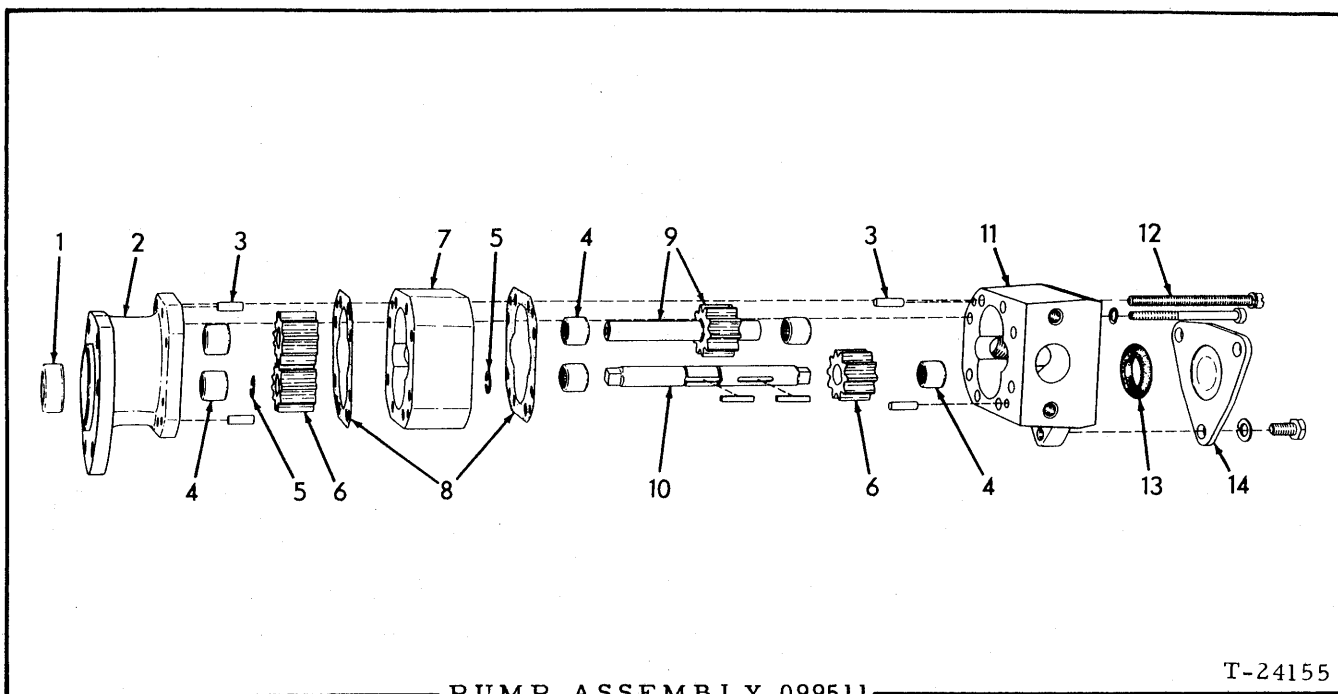
USAGE: Tractors serial No. 6069 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	099511	1	PUMP ASSEMBLY, hydraulic (See page 249 for parts)
2	921194	6	CAPSCREW, Nylok, 5/16"NC x 7/8"
	904205	6	LOCKWASHER, 5/16"
3	099510	1	GASKET, hydraulic pump
4	630914	1	COUPLING, pump drive
5	644013	1	HOSE, oil return (See page 6)
6	099534	1	ELBOW, oil return
7	045312	2	CAPSCREW, 5/16"NC x 3/4"
	904205	2	LOCKWASHER, 5/16"
8	099533	1	GASKET, oil return elbow
9	099527	1	HOSE ASSEMBLY, oil tank (13-7/8" long. See page 6 for parts)(Used prior to tractor #6427)
	621749	1	HOSE ASSEMBLY, oil tank (12-5/8" long. See page 6 for parts)(Effective with tractor #6427)
	920490	1	TEE, union, flare type, 1" tube
10	621989	1	TANK, oil
	912319	1	COCK, drain, 1/4"NPT
	907856	1	PLUG, pipe, hex-socket, 3/8"NPT
11	621828	1	BRACKET, hour meter mounting
12	921916	2	CLAMP, hour meter bracket
13	035250	1	PLUG, oil tank
14	035249	1	GASKET, oil tank plug
15	621991	1	TUBE ASSEMBLY, oil return (Includes nuts)
	919064	1	CONNECTOR, flare type, 1" tube, 1"NPT male
16	099524	1	MANIFOLD, oil tube connecting
	901651	2	PLUG, pipe, 1/8"NPT
17	028979	2	CAPSCREW, 1/2"NC x 2-1/2"
18	057984	1	CAPSCREW, 1/2 NF x 5-3/4"
	904208	3	LOCKWASHER, 1/2"
19	057841	1	GASKET, oil manifold
20	099865	1	VALVE ASSEMBLY, control (See page 251 for parts)
21	070469	6	CAPSCREW, 1/2"NF x 1-1/4"
22	037461	4	CAPSCREW, 1/2"NF x 4-3/4"
23	094543	1	CAPSCREW, 1/2"NF x 2" (drilled for breather)
	904208	11	LOCKWASHER, 1/2"
24	051447	1	BREATHER
25	057836	1	GASKET, control valve
26	057842	2	LEVER, actuating
27	035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
28	-----	-	YOKE (See STEERING CLUTCHES)

(Continued)

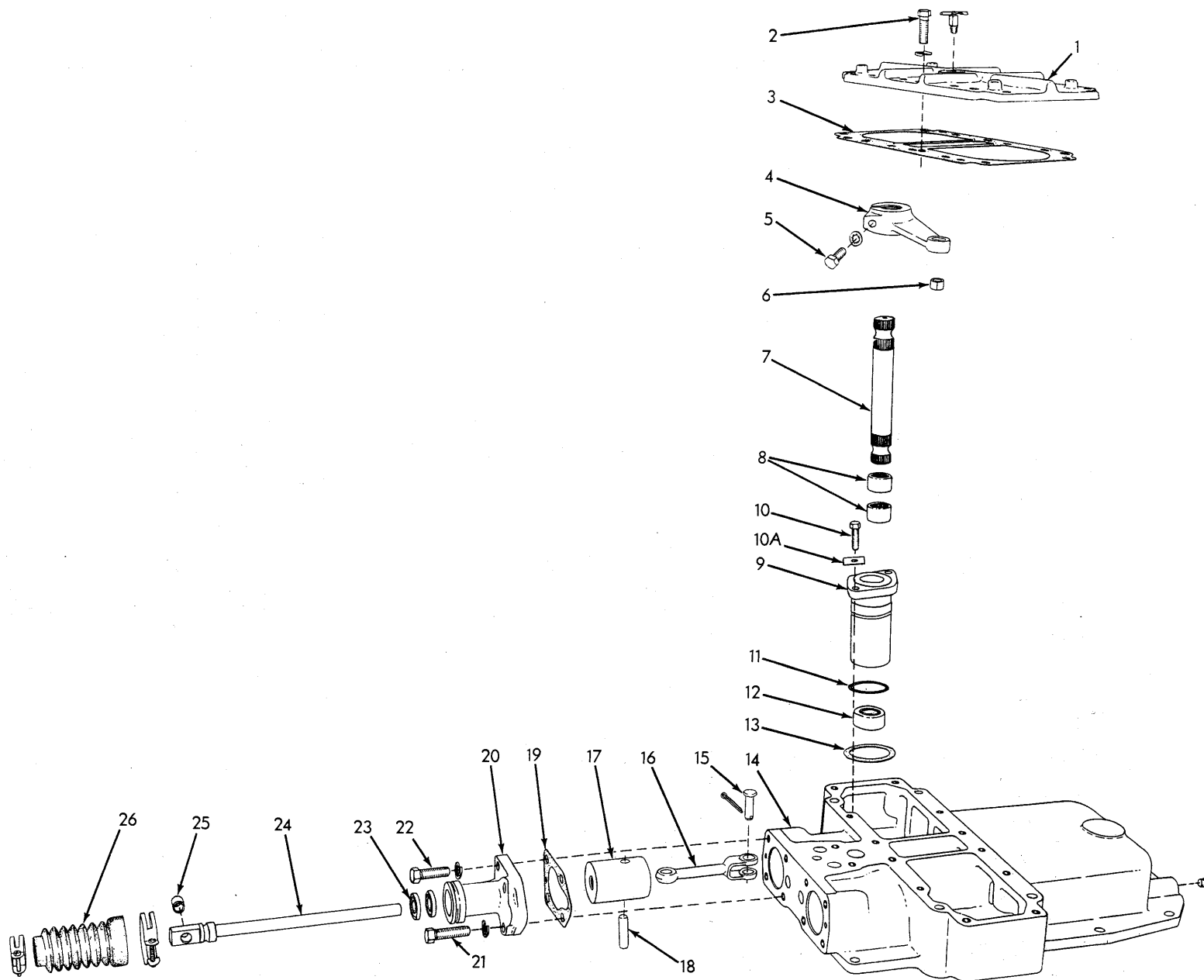
STEERING CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	-----	-	ROD (See STEERING LEVERS AND LINKAGE)
30	099581	1	TUBE ASSEMBLY, oil supply, left (Includes nuts)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
31	099582	1	TUBE ASSEMBLY, oil supply, right (Includes nuts)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
32	644012	2	HOSE, oil supply (See page 6)
	919128	2	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
33	099532	3	CLAMP, half (threaded holes)
34	099531	5	CLAMP, half (plain holes)
	046419	2	CAPSCREW, 3/8"NF x 2"
	035336	3	CAPSCREW, 3/8"NF x 1-3/4"
	620253	1	CAPSCREW, 3/8"NF x 2-3/4"
	911115	1	WASHER, plain, SAE std., 3/8"
	099575	1	CAPSCREW, 3/8"NF x 2-1/4"
	053619	1	CAPSCREW, 3/8"NF x 3-3/4"
	904206	8	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
35	099515	1	ANGLE, hose supporting, front (Model HD11GC; also HD11G tractors prior to #6911)
	099516	1	ANGLE, hose supporting, front (Model HD11G tractors #6911 and up)
	035073	1	CAPSCREW, 1/2"NF x 1-3/4" (Also attaches starter ground strap on tractors equipped with oil clutch)
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
36	099516	1	ANGLE, hose supporting, rear
	035073	1	CAPSCREW, 1/2"NF x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
37	621988	1	ANGLE, tube supporting, front
38	035073	1	CAPSCREW, 1/2"NF x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
39	099578	2	ANGLE, tube supporting, intermediate
40	622141	1	SPACER, tube supporting clamp
41	099535	4	BOOT, protecting, oil return tube
42	099536	8	BOOT, protecting, oil supply tubes
43	099532	2	CLAMP, half (threaded holes)(Tractors prior to #8941)
	643999	2	CLAMP, half (threaded holes)(Tractors #8941 and up)
44	099531	2	CLAMP, half (plain holes)(Tractors prior to #8941)
	644000	2	CLAMP, half (plain holes)(Tractors #8941 and up)
	046419	2	CAPSCREW, 3/8"NF x 2"
	035336	2	CAPSCREW, 3/8"NF x 1-3/4"
	904206	4	LOCKWASHER, 3/8"



USAGE: See page 247

ITEM	PART NO.	QTY.	DESCRIPTION
1	4047783	1	SEAL, pump shaft
2	-----	1	STATOR (Not serviced separately)
3	4048000	4	PIN, dowel
4	077241	6	BEARING, needle
5	099949	2	RING, snap, drive shaft
6	099944	3	GEAR
7	-----	1	HOUSING, front (Not serviced separately)
8	621363	2	GASKET, front housing
9	622173	1	SHAFT ASSEMBLY, driven (Includes gear and snap rings. Serviced only as a unit)
10	099945	1	SHAFT, drive
	920994	2	KEY, straight, 1/8" x 1/8" x 3/4"
11	-----	1	HOUSING, rear (Not serviced separately)
	903747	6	SCREW, fil-hd., 1/4"NC x 3"
	904204	6	LOCKWASHER, 1/4"
12	081802	2	SCREW, fil-hd., 1/4"NC x 3-1/2" (Includes lockwasher)
13	099941	1	O-RING, rear cover
14	099939	1	CAP, rear (Removed when oil circulating pump is installed)
	916277	3	CAPSCREW, 5/16"NC x 5/8"
	904205	3	LOCKWASHER, 5/16"

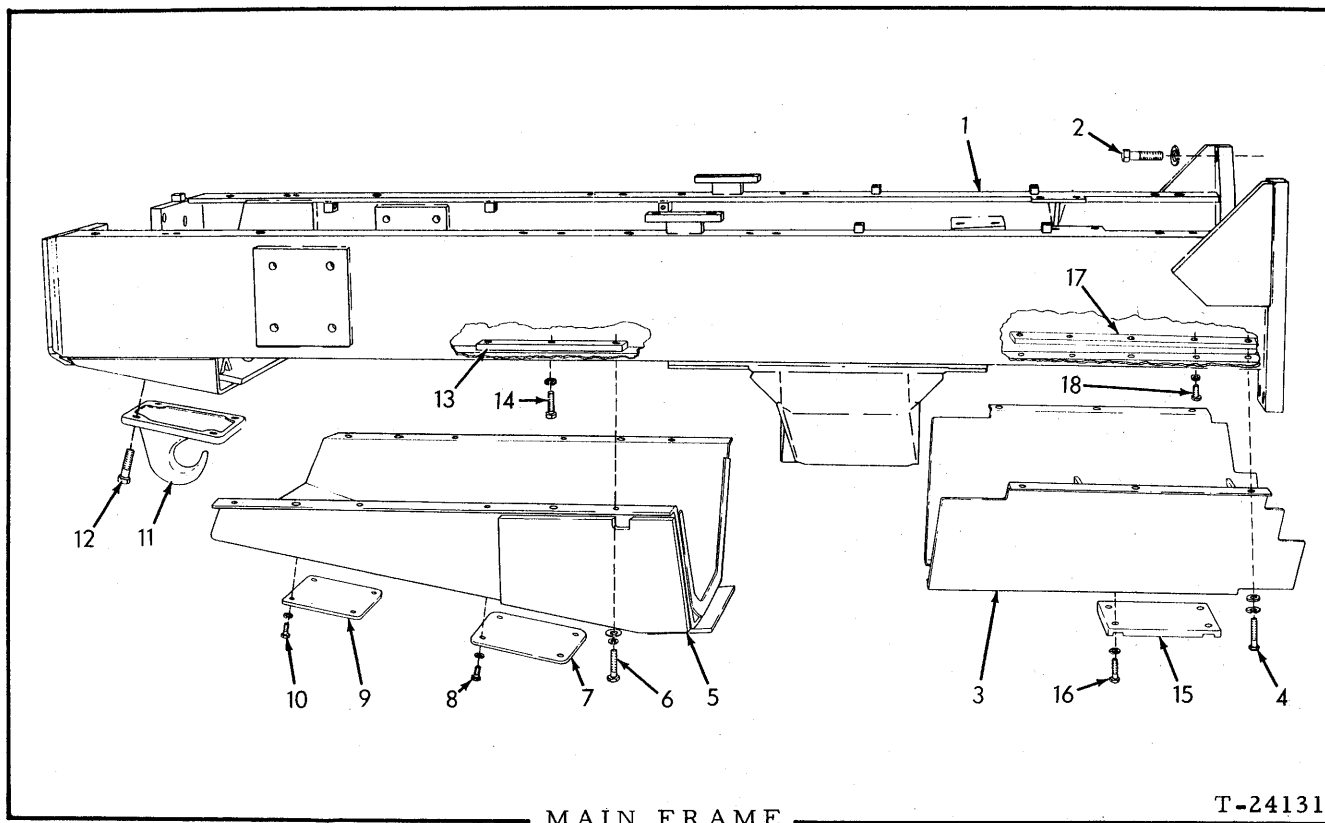


CONTROL VALVE ASSEMBLY 099865

CONTROL VALVE ASSEMBLY 099865

USAGE: See page 247

ITEM	PART NO.	QTY.	DESCRIPTION
1	057838	1	COVER, housing
	914453	1	COCK, vent, T-handle, 1/8"NPT
2	035061	12	CAPSCREW, 1/2"NC x 1-1/4"
	904208	12	LOCKWASHER, 1/2"
3	057839	1	GASKET, housing cover
4	080514	2	LEVER ASSEMBLY, actuating (Includes item 6)
5	035236	2	CAPSCREW, 1/2"NC x 1-3/4"
	906961	2	LOCKWASHER, internal teeth, 1/2"
6	049988	2	BUSHING, actuating lever
7	057843	2	SHAFT, actuating lever
8	051513	4	BEARING, needle, actuating lever shaft
9	075955	2	RETAINER, actuating lever shaft bearing
10	035439	4	CAPSCREW, 3/8"NC x 1"
10A	621453	4	LOCK, capscREW
11	923577	2	O-RING, bearing retainer
12	057848	2	SEAL, oil, actuating lever shaft
13	057846	2	GASKET, lever shaft bearing retainer
14	057852	1	HOUSING, control mechanism
	907859	1	PLUG, pipe, hex-socket, 1/4"NPT
15	049993	2	PIN, connecting rod
	910967	2	PIN, cotter, 1/8" x 7/8"
16	080513	2	ROD, connecting
17	099863	2	PISTON, control
18	052459	2	PIN, piston
19	059883	2	GASKET, valve spool bracket
20	099862	2	BRACKET, valve spool
21	036203	4	CAPSCREW, 1/2"NC x 1-3/4"
22	035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	904208	8	LOCKWASHER, 1/2"
23	099856	4	SEAL, oil, valve spool
24	099864	2	SPOOL ASSEMBLY, valve (Includes item 25)
25	049988	2	BUSHING, valve spool (steel)
26	079421	2	BOOT, valve spool
	913232	2	CLAMP, hose, 1-3/8" diam. (front)
	914503	2	CLAMP, hose, 2-3/16" diam. (rear)



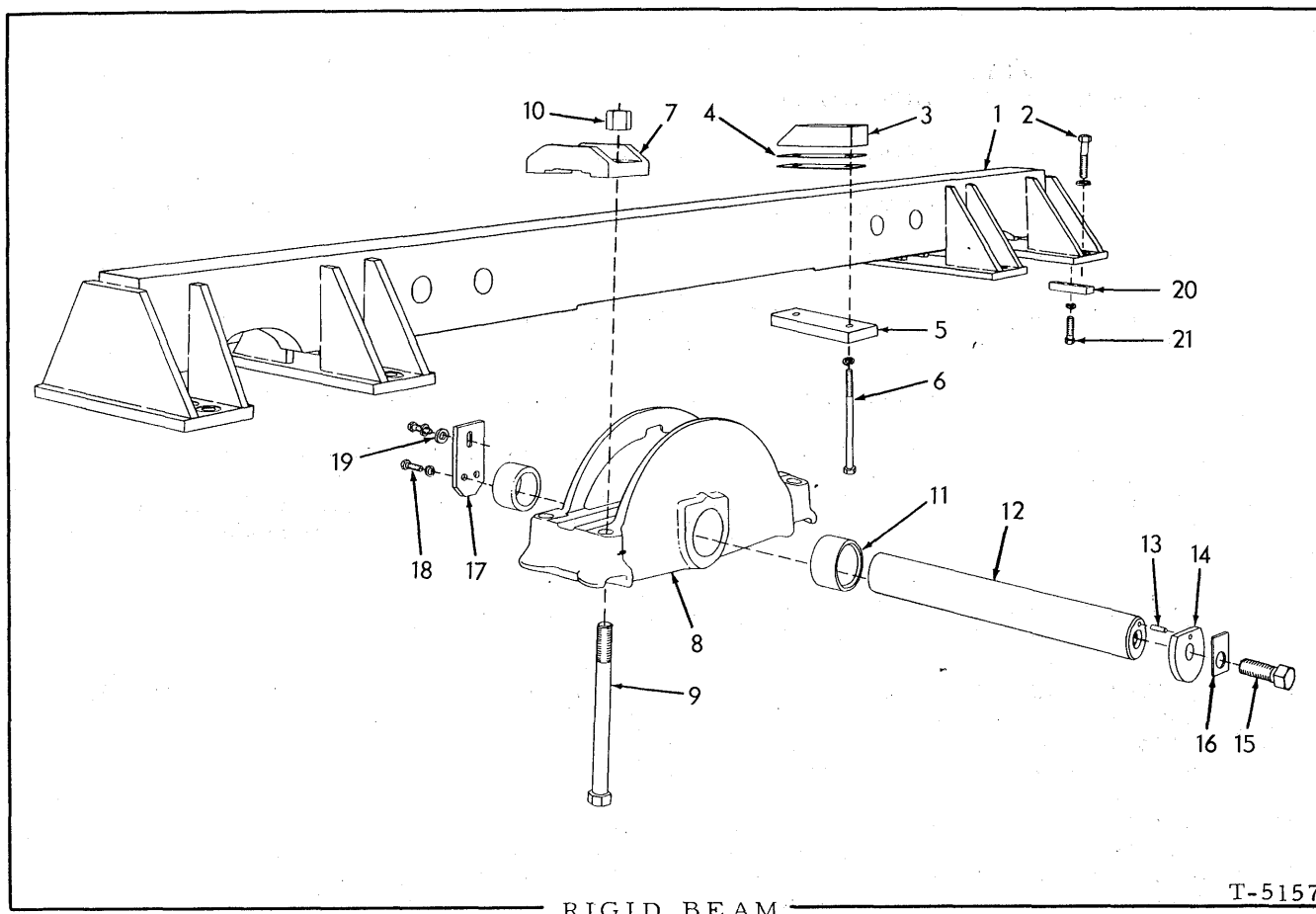
* Tractors prior to serial No. 8930
 ** Tractors serial No. 8930 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	087184	1	1	FRAME, main
2	012762	8	8	CAPSCREW, 7/8"NF x 3-1/4"
	905347	8	8	LOCKWASHER, 7/8"
3	-----	1	-	SHIELD, transmission (Order GUARD 643773, 1 PLATE 643770, 4 CAPSCREW 035018 and 4 LOCKWASHER 904208)
	643773	-	1	GUARD, transmission
4	035073	6	-	CAPSCREW, 1/2"NF x 1-3/4"
	035067	-	6	CAPSCREW, 1/2"NF x 2"
	064531	6	6	WASHER, plain
	904208	6	6	LOCKWASHER, 1/2"
	911043	6	6	NUT, 1/2"NF (Used prior to tractor #8998)
5	084425	1	-	GUARD ASSEMBLY, crankcase (Includes items 7 thru 10)(Used prior to tractor #4060)
	646117	1	1	GUARD ASSEMBLY, crankcase (Includes items 7 thru 10) (Effective with tractor #4060)
6	035073	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	064531	8	8	WASHER, plain
	904208	8	8	LOCKWASHER, 1/2"
	911043	4	-	NUT, 1/2"NF (4 additional used prior to tractor #6435)

(Continued)

MAIN FRAME (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
7	057777	1	-	COVER, crankcase drain hole (Used prior to tractor #6473)
	623576	1	-	COVER, crankcase drain hole (Effective with tractor #6473)
	646501	-	1	COVER, crankcase drain hole
8	070467	4	4	CAPSCREW, 1/2"NF x 1"
	904208	4	4	LOCKWASHER, 1/2"
9	073437	1	-	COVER, water drain hole (Used prior to tractor #4060)
	057777	1	1	COVER, water drain hole (Effective with tractor #4060)
10	070467	4	4	CAPSCREW, 1/2"NF x 1"
	904208	4	4	LOCKWASHER, 1/2"
				} 2 less used prior to tractor #4060
11	050543	1	1	HOOK, front pull
12	012984	4	4	CAPSCREW, 3/4"NF x 2-3/4"
	012767	4	4	NUT, high, 3/4"NF
13	621722	2	4	BLOCK, tapped, guard attaching (Effective with tractor #6435)
14	035073	2	-	CAPSCREW, 1/2"NF x 1-3/4"
	614478	-	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	2	4	LOCKWASHER, 1/2"
15	643770	-	1	COVER, transmission drain hole
16	035018	-	4	CAPSCREW, 1/2"NF x 1-1/2" (Early units)
	035190	-	4	CAPSCREW, 1/2"NC x 1-1/2" (Late units)
	904208	-	4	LOCKWASHER, 1/2"
17	646591	-	2	BAR, tapped, guard attaching (Effective with tractor #8998)
18	614478	-	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	-	4	LOCKWASHER, 1/2"

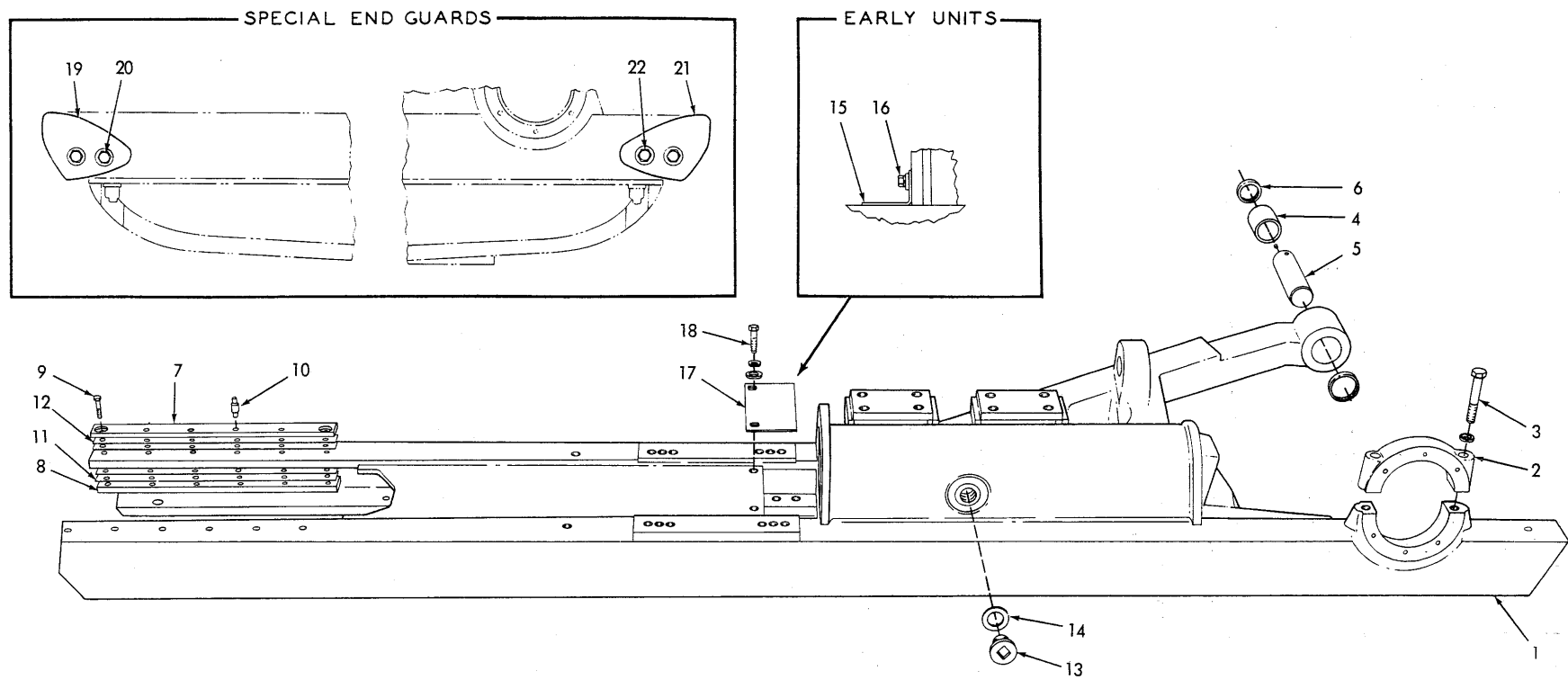


ITEM	PART NO.	QTY.	DESCRIPTION
1	073806	1	BEAM, rigid
2	012526	16	CAPSCREW, 3/4"NF x 3-1/4"
	904369	16	LOCKWASHER, 3/4"
3	087353	2	BLOCK, spacing
4	087355	6	SHIM, spacing (1/32" thick. Use as req'd)
	087356	6	SHIM, spacing (1/16" thick. Use as req'd)
5	093152	2	BLOCK, clamping
6	087357	4	CAPSCREW, 1/2"NF x 7"
	904208	4	LOCKWASHER, 1/2"
7	056421	2	SADDLE, beam capscREW
8	065872	1	SADDLE ASSEMBLY (Includes item 11)
9	070861	4	CAPSCREW, beam saddle (1"NF x 10-1/2")
10	600236	4	NUT, high, 1"NF
11	056413	2	BUSHING, saddle
12	056420	1	PIN, saddle

(Continued)

RIGID BEAM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	056418	1	PIN, dowel, cover plate
14	056417	1	PLATE, pivot pin cover
15	049662	1	CAPSCREW, 7/8"NF x 2"
16	037693	1	LOCK, capscREW
17	056441	1	PLATE, pivot pin retaining
18	035018	3	CAPSCREW, 1/2"NF x 1-1/2"
19	064531	1	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
20	054968	8	BLOCK, tapped (tapered section) (Used prior to tractor #7609)
	631666	8	BLOCK, tapped (straight section) (Effective with tractor #7609)
21	035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	LOCKWASHER, 1/2"



• TRUCK FRAME (First type)

TRUCK FRAME

USAGE: Tractors prior to serial No. 7609

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	FRAME ASSEMBLY, left (Used prior to tractor #4629. Order TRUCK FRAME KIT 634823)
	-----	1	FRAME ASSEMBLY, left (Effective with tractor #4629. Order TRUCK FRAME KIT 631991; if for tractors prior to #6473 also order 1 SHAFT 622847, 2 RETAINER 622850 and 2 RETAINER 622855)
	-----	1	FRAME ASSEMBLY, right (Used prior to tractor #4629. Order TRUCK FRAME KIT 634824)
	-----	1	FRAME ASSEMBLY, right (Effective with tractor #4629. Order TRUCK FRAME KIT 631992; if for tractors prior to #6473 also order 1 SHAFT 622847, 2 RETAINER 622850 and 2 RETAINER 622855)

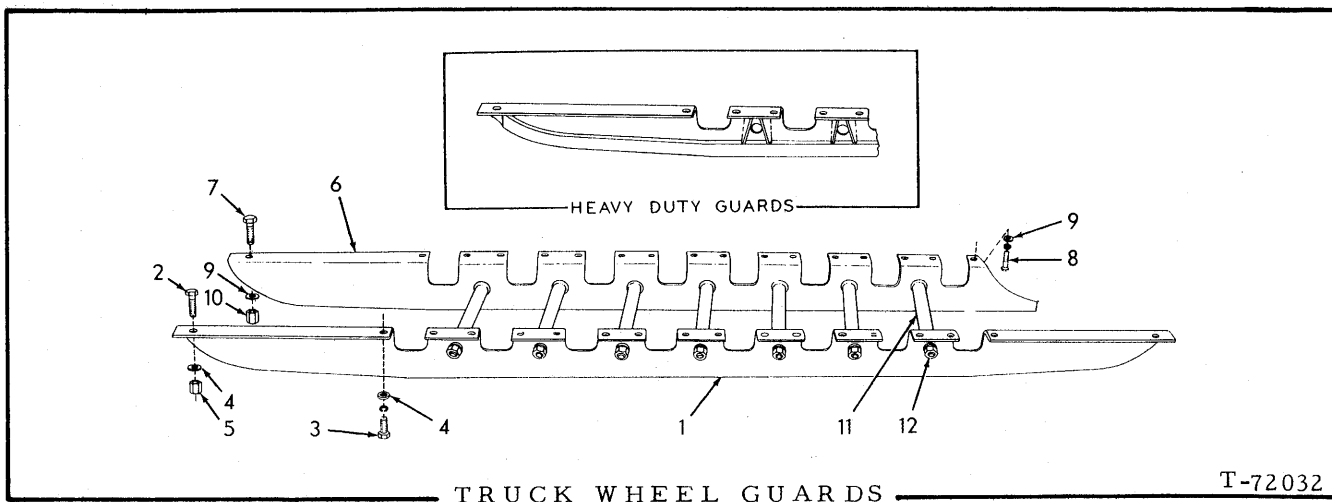
NOTE: Each Frame Assembly listed above includes items 2 thru 4

2	056895	2	CAP, sprocket shaft bearing
3	071014	4	CAPSCREW, 3/4"NF x 4-1/2"
	904369	4	LOCKWASHER, 3/4"
4	056261	2	BUSHING, pivot shaft
5	056260	2	SHAFT, pivot
	907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT
6	629733	4	SEAL, pivot shaft
7	077672	4	BAR, slide, track idler, upper (1-3/4" wide)(Used prior to tractor #6473)
	622848	4	BAR, slide, track idler, upper (2" wide)(Effective with tractor #6473)
8	077673	4	BAR, slide, track idler, lower
9	056590	8	CAPSCREW, 3/8"NF x 1-5/8" (Used prior to tractor #4312)
	046419	8	CAPSCREW, 3/8"NF x 2" (Effective with tractor #4312)
10	054824	16	PIN, dowel, track idler slide bar (1-1/2" long)(Used prior to tractor #4312)
	094952	16	PIN, dowel, track idler slide bar (1- 7/8" long)(Effective with tractor #4312)
11	056909	16	SHIM, adjusting, lower slide bar (1-3/4" wide. Use as req'd)
12	056909	8	SHIM, adjusting, upper slide bar (1-3/4" wide. Use as req'd)(Used prior to tractor #6473)
	622849	8	SHIM, adjusting, upper slide bar (2" wide. Use as req'd)(Effective with tractor #6473)
13	035250	2	PLUG, filler, release spring compartment

(Continued)

TRUCK FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	035249	2	GASKET, filler plug
<u>NOTE:</u> Items 15 and 16 comprise the first type closure arrangement used as Special Equipment prior to tractor #4610			
15	094693	2	PLATE, dirt closure
16	035306	4	CAPSCREW, 5/8"NF x 3-1/4"
	904209	4	LOCKWASHER, 5/8"
	064810	4	WASHER, plain
<u>NOTE:</u> Items 17 and 18 comprise the second type closure arrangement used as Standard Equipment effective with tractor #4610			
17	097332	2	PLATE, dirt closure
18	012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
<u>NOTE:</u> Items listed below are Special Equipment			
19 {	083163	3	GUARD, end, left hand (Used prior to tractor #4312)
	094985	3	GUARD, end, left hand (Effective with tractor #4312)
20 {	023465	6	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #4312)
	035229	6	CAPSCREW, 5/8"NF x 2" (Effective with tractor #4312)
	904209	6	LOCKWASHER, 5/8"
	911044	6	NUT, 5/8"NF
21 {	083164	3	GUARD, end, right hand (Used prior to tractor #4312)
	094986	3	GUARD, end, right hand (Effective with tractor #4312)
22 {	023465	6	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #4312)
	035229	6	CAPSCREW, 5/8"NF x 2" (Effective with tractor #4312)
	904209	6	LOCKWASHER, 5/8"
	911044	6	NUT, 5/8"NF



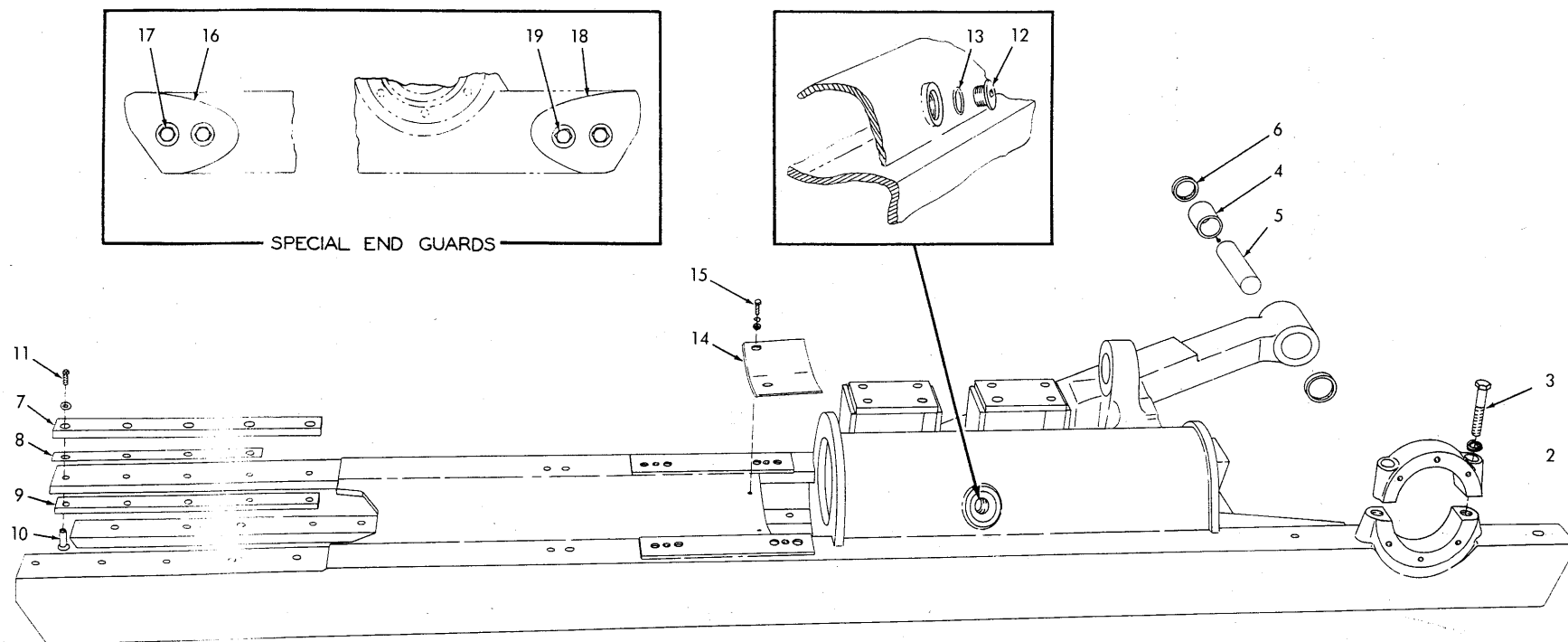
T-72032

USAGE: Tractors prior to serial No. 7609

* Standard equipment

** Special equipment (Heavy-duty)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	621697	1	-	GUARD, outer, left side
	621698	1	-	GUARD, outer, right side
	092431	-	1	GUARD, outer, left side
	092432	-	1	GUARD, outer, right side
2	023618	4	-	CAPSCREW, 5/8"NF x 2-1/2"
3	070161	32	36	CAPSCREW, 5/8"NF x 2-3/4"
	904209	32	32	LOCKWASHER, 5/8"
4	064810	36	36	WASHER, plain
5	072366	4	4	NUT, high, 5/8"NF
6	621695	1	-	GUARD, inner, left side
	621696	1	-	GUARD, inner, right side
	092437	-	1	GUARD, inner, left side
	092438	-	1	GUARD, inner, right side
7	023618	2	-	CAPSCREW, 5/8"NF x 2-1/2"
8	070161	32	34	CAPSCREW, 5/8"NF x 2-3/4"
	904209	32	32	LOCKWASHER, 5/8"
9	064810	34	34	WASHER, plain
10	072366	2	2	NUT, high, 5/8"NF
11	621687	14	-	SPACER, guard bracing (Effective with tractor #6427)
	083150	-	14	SPACER, guard bracing
12	621686	14	-	CAPSCREW, guard bracing (7/8"NF x 11-1/8")(Effective with tractor #6427)
	083165	-	14	CAPSCREW, guard bracing (7/8"NF x 11-1/2")
	905347	14	14	LOCKWASHER, 7/8"
	070400	14	14	NUT, high, 7/8"NF



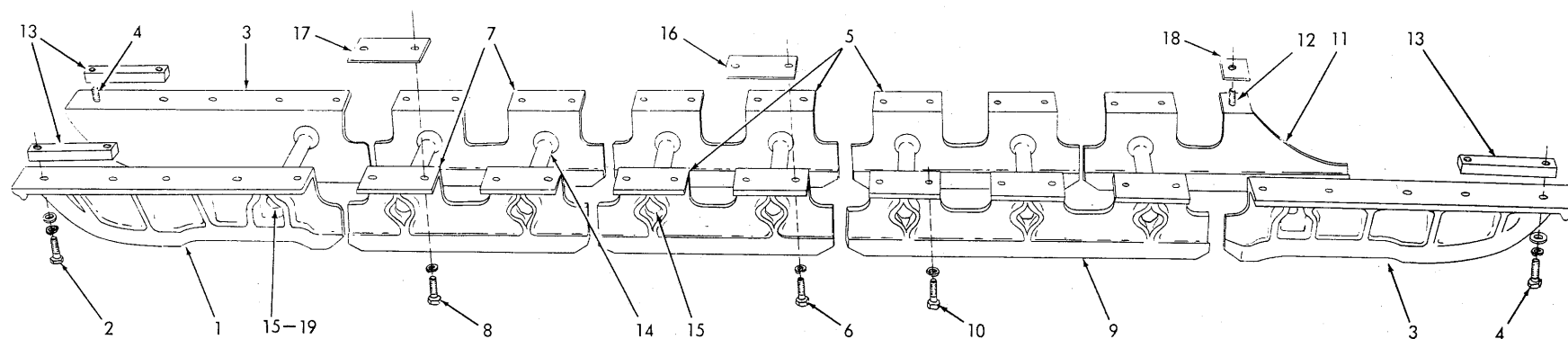
TRUCK FRAME (Second type)

TRUCK FRAME

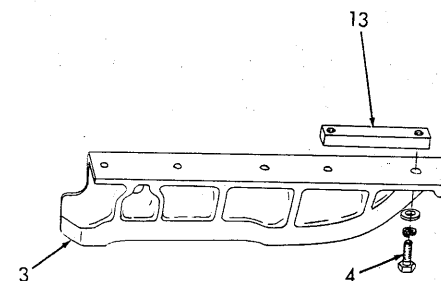
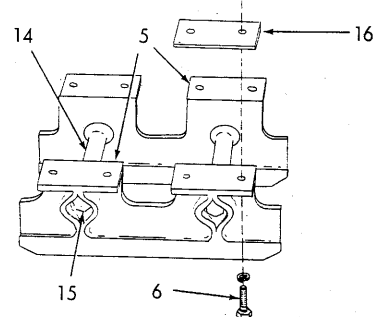
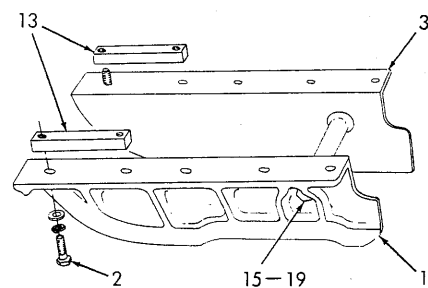
USAGE: Tractors serial No. 7609 and up

ITEM	PART NO.	QTY.	DESCRIPTION	
1	631863	1	FRAME ASSEMBLY, left (Includes items 2 thru 4 and 7 thru 11)	} Tractors prior to #8941
	631864	1	FRAME ASSEMBLY, right (Includes items 2 thru 4 and 7 thru 11)	
	648471	1	FRAME ASSEMBLY, left (Includes items 2 thru 4)	} Tractors #8941 and up
	648472	1	FRAME ASSEMBLY, right (Includes items 2 thru 4)	
2	056895	2	CAP, sprocket shaft bearing	
3	071014	4	CAPSCREW, 3/4"NF x 4-1/2"	
	904369	4	LOCKWASHER, 3/4"	
4	056261	2	BUSHING, pivot shaft	
5	056260	2	SHAFT, pivot	
	907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT	
6	629733	4	SEAL, pivot shaft	
7	631668	4	BAR, slide, track idler, upper (Tractors prior to #8941)	
	642979	4	BAR, slide, track idler, upper (Tractors #8941 and up)	
8	637735	4	SHIM, slide bar (Use as required)	
9	631680	4	BAR, slide, track idler, lower (Tractors prior to #8941)	
	643837	4	BAR, slide, track idler, lower (Tractors #8941 and up)	
10	631687	20	DOWEL, tapped, slide bar retaining	
11	646164	20	CAPSCREW, Nylok, 3/8"NF x 7/8"	
	647080	20	WASHER, plain (hardened)	
12	035250	2	PLUG, oil filler, release spring compartment	
13	035249	2	GASKET, oil filler plug	
14	097332	2	PLATE, dirt closure	
15	012992	4	CAPSCREW, 3/8"NF x 1-1/4"	
	904206	4	LOCKWASHER, 3/8"	
	044973	4	WASHER, plain	
<u>NOTE:</u> Items listed below are Special Equipmntt				
16	094985	3	GUARD, end, left hand	
17	035229	6	CAPSCREW, 5/8"NF x 2"	
	904209	6	LOCKWASHER, 5/8"	
	911044	6	NUT, 5/8"NF	
18	094986	3	GUARD, end, right hand	
19	035229	6	CAPSCREW, 5/8"NF x 2"	
	904209	6	LOCKWASHER, 5/8"	
	911044	6	NUT, 5/8"NF	

FULL GUARDING
(SPECIAL)



PARTIAL GUARDING
(STANDARD)



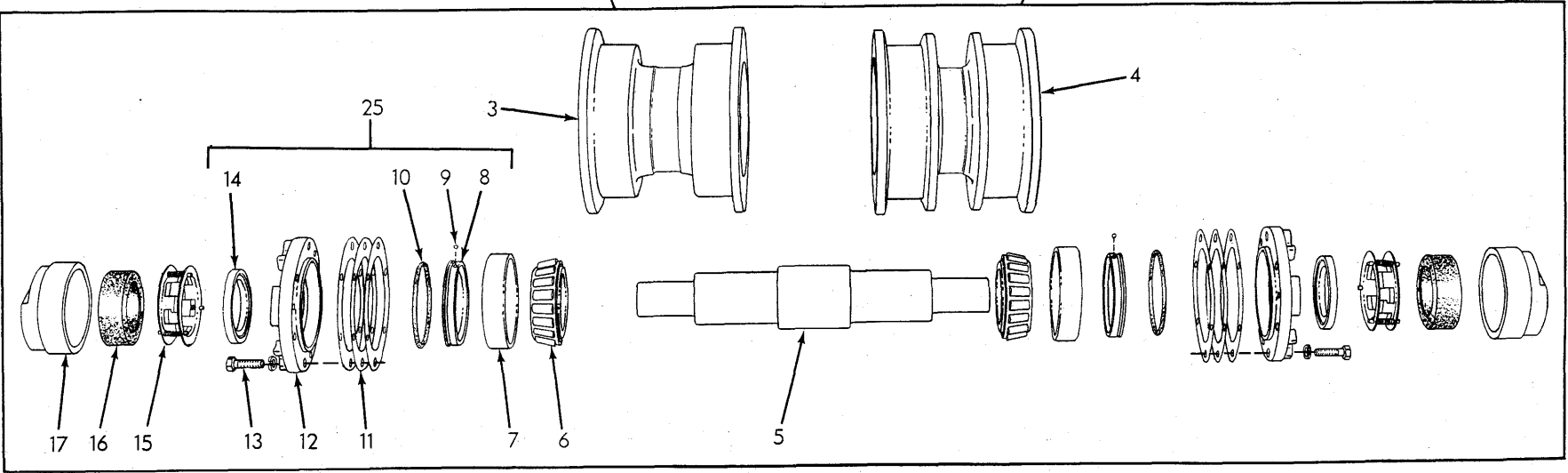
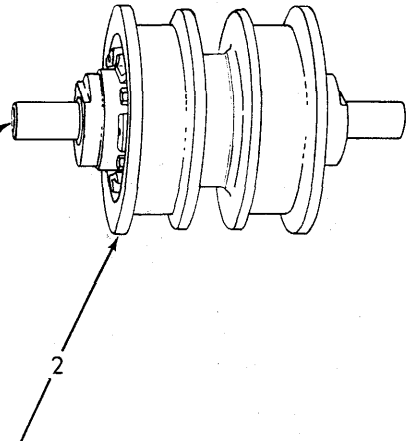
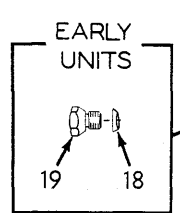
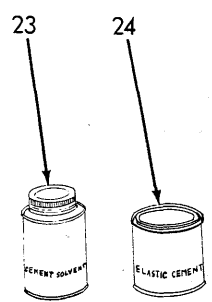
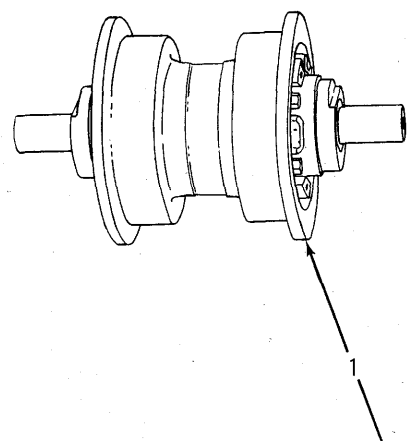
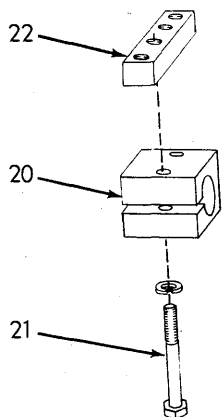
TRUCK WHEEL GUARDS

USAGE: Tractors serial No. 7609 and up

* Partial guarding. Standard equipment
 ** Full guarding. Special equipment
 Δ Partial guarding. Standard equipment
 ΔΔ Full guarding. Special equipment

Tractors prior to #8941
 Tractors #8941 and up

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
1	632437	3	3	-	-	GUARD, end section, left hand
	649103	-	-	3	3	GUARD, end section, left hand
2	013467	15	15	15	15	CAPSCREW, 5/8"NF x 3"
	904209	15	15	15	15	LOCKWASHER, 5/8"
	064810	15	15	15	15	WASHER, plain
3	632438	3	3	-	-	GUARD, end section, right hand
	649104	-	-	3	3	GUARD, end section, right hand
4	013467	15	15	15	15	CAPSCREW, 5/8"NF x 3"
	904209	15	15	15	15	LOCKWASHER, 5/8"
	064810	15	15	15	15	WASHER, plain
5	632488	4	6	-	-	GUARD, intermediate section
	648438	-	-	4	6	GUARD, intermediate section
6	023618	16	24	-	-	CAPSCREW, 5/8"NF x 2-1/2"
	070161	-	-	16	24	CAPSCREW, 5/8"NF x 2-3/4"
	904209	16	24	16	24	LOCKWASHER, 5/8"
7	632787	-	4	-	-	GUARD, intermediate, front section
	648441	-	-	-	4	GUARD, intermediate, front section
8	023618	-	16	-	-	CAPSCREW, 5/8"NF x 2-1/2"
	070161	-	-	-	16	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	16	-	16	LOCKWASHER, 5/8"
9	632691	-	2	-	-	GUARD, intermediate rear section, outer
	648436	-	-	-	2	GUARD, intermediate rear section, outer
10	023618	-	12	-	-	CAPSCREW, 5/8"NF x 2-1/2"
	070161	-	-	-	12	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	12	-	12	LOCKWASHER, 5/8"
11	632523	-	1	-	-	GUARD, rear inner section, left side
	648439	-	-	-	1	GUARD, rear inner section, left side
	632524	-	1	-	-	GUARD, rear inner section, right side
	648440	-	-	-	1	GUARD, rear inner section, right side
12	023618	-	6	-	-	CAPSCREW, 5/8"NF x 2-1/2"
	070161	-	-	-	6	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	6	-	6	LOCKWASHER, 5/8"
13	632769	12	12	12	12	BLOCK, tapped, end guard attachment
14	083150	6	16	-	-	SPACER, guard bracing
	644112	-	-	6	16	SPACER, guard bracing
15	083165	6	16	-	-	CAPSCREW, guard bracing (7/8"NF x 11-1/2")
	644179	-	-	6	16	CAPSCREW, guard bracing (7/8"NF x 12-1/8")
	905357	6	16	6	16	LOCKWASHER, 7/8"
	922041	6	16	6	16	NUT, high, 7/8"NF
16	650220	-	-	8	20	PLATE, guard spacing, intermediate
17	650221	-	-	-	8	PLATE, guard spacing, front
18	650222	-	-	-	2	PLATE, guard spacing, rear
19	638341	-	-	4	4	WASHER, guard bracing capscrow



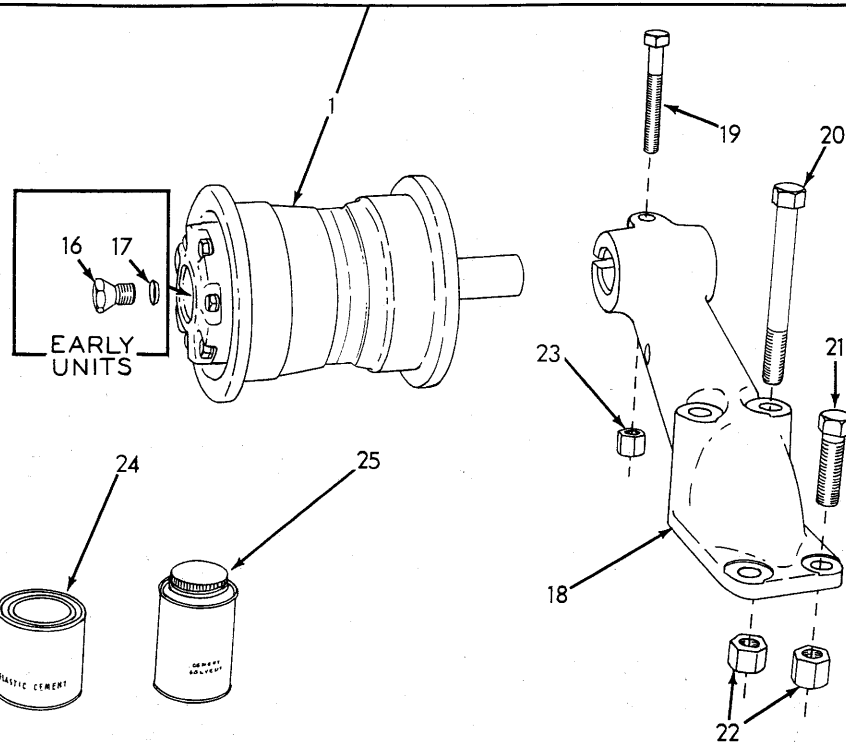
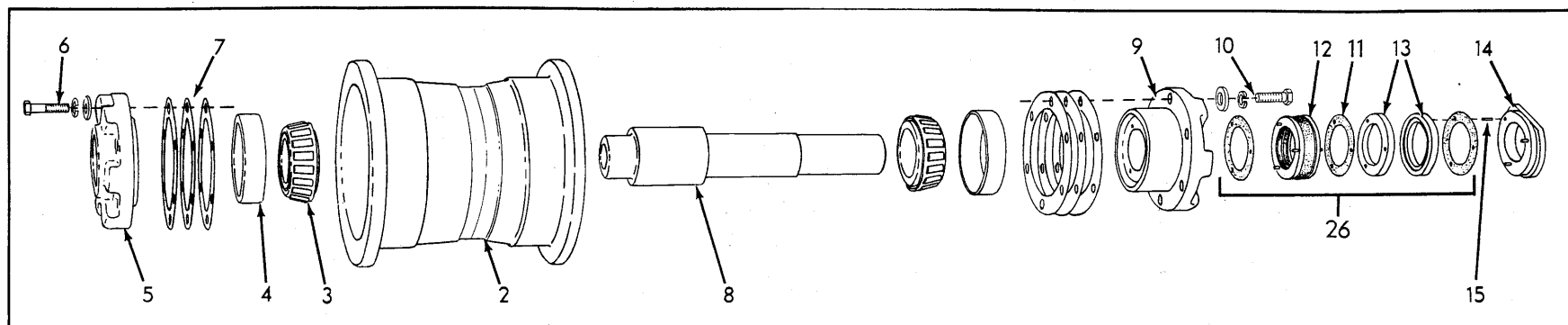
TRUCK WHEEL

TRUCK WHEEL

ITEM	PART NO.	QTY.	DESCRIPTION
1	622666	16	WHEEL ASSEMBLY, single flange (Consists of items 3 and 5 thru 17) (Used prior to tractor #8941. 4 less used prior to tractor #6299)
	645648	16	WHEEL ASSEMBLY, single flange (Consists of items 3 and 5 thru 17) (Effective with tractor #8941)
2	622667	4	WHEEL ASSEMBLY, double flange (Consists of items 4 thru 17) (Used prior to tractor #6299)
3	074571	16	WHEEL, single flange (Used prior to tractor #8941. 4 less used prior to tractor #6299)
	645612	16	WHEEL, single flange (Effective with tractor #8941)
4	074573	4	WHEEL, double flange (Used prior to tractor #6299)
5	622663	16	SHAFT
6	073112	32	CONE ASSEMBLY, bearing
7	073111	32	CUP, bearing
8	066693	32	RING, seal, inner
9	905357	32	BALL, steel, 3/16" diam.
10	923585	32	O-RING, seal ring
11	074567	64	SHIM, bearing adjustment (.007" thick. Use as required)
	074568	64	SHIM, bearing adjustment (.010" thick. Use as required)
	074569	32	SHIM, bearing adjustment (.032" thick. Use as required)
12	074565	32	RETAINER, bearing
13	012992	192	CAPSCREW, 3/8"NF x 1-1/4"
	904206	192	LOCKWASHER, 3/8"
14	049110	32	RING, seal, outer (See item 25)
15	049111	32	SPRING ASSEMBLY, seal (Serviced only as a unit)
16	049109	32	BOOT, seal spring
17	074566	32	RETAINER, seal
18	034043	16	GASKET, shaft oil hole plug (Used prior to tractor #6448)
19	034042	16	PLUG, shaft oil hole (Used prior to tractor #6448)
20	056346	32	BRACKET, attaching (2-7/8" wide)(Used prior to tractor #6448)
	093805	32	BRACKET, attaching (2-7/16" wide)(Effective with tractor #6448)
21	045524	64	CAPSCREW, 5/8"NF x 4-1/2"
	904209	64	LOCKWASHER, 5/8"
22	056802	32	BLOCK, tapped, attaching capscrews (tapered section)(Used prior to tractor #7609)
	631617	32	BLOCK, tapped, attaching capscrews (straight section)(Effective with tractor #7609)
23	054890	-	SOLVENT, neoprene cement, 1/2 pint can
24	033288	-	CEMENT, neoprene, 1/2 pint can
25	083208	1	SEAL KIT (Includes parts for one (1) wheel only; items 8, 9, 10 and 14)

See item 25

For cementing boots

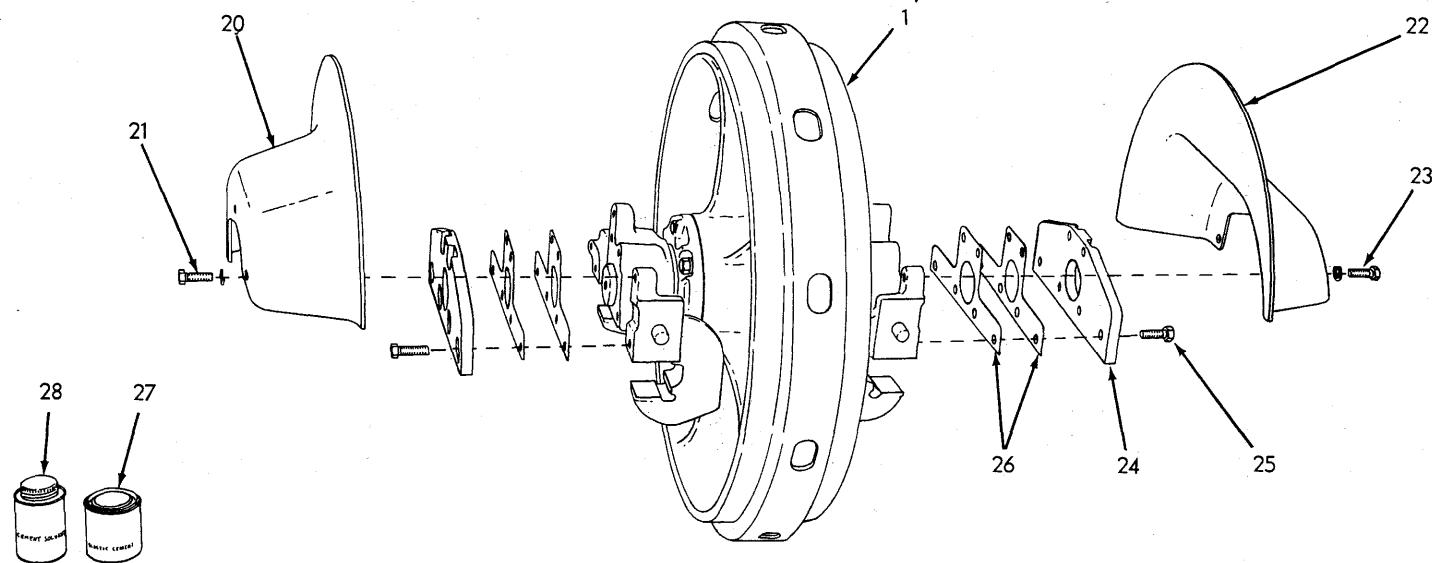
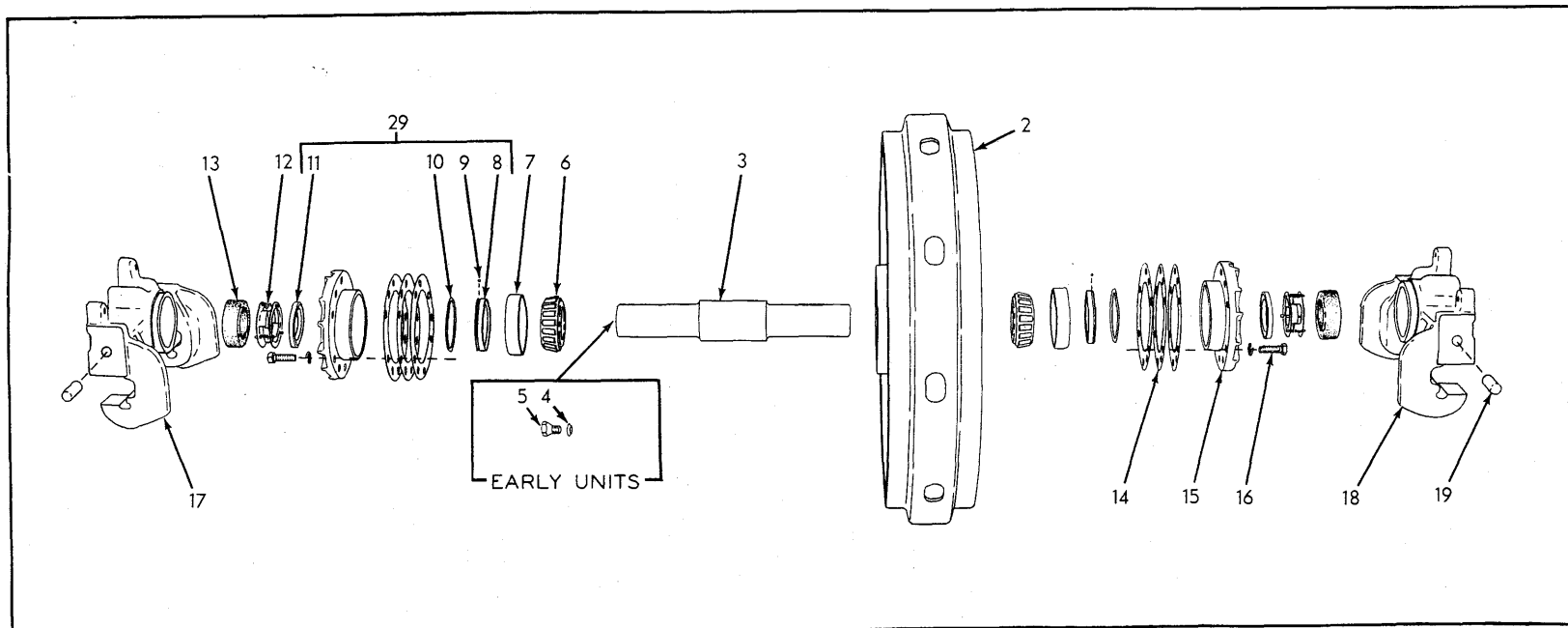


TRACK SUPPORTING ROLLER

TRACK SUPPORTING ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	622662	4	ROLLER ASSEMBLY (Consists of items 2 thru 15)(Used prior to tractor #8941)
	643966	4	ROLLER ASSEMBLY (Consists of items 2 thru 15)(Effective with tractor #8941)
2	056313	4	ROLLER, (Used prior to tractor #8941)
	643959	4	ROLLER (Effective with tractor #8941)
3	042888	8	CONE ASSEMBLY, bearing
4	042887	8	CUP, bearing
5	622612	4	RETAINER, outer bearing
6	012992	24	CAPSCREW, 3/8"NF x 1-1/4"
	904206	24	LOCKWASHER, 3/8"
	911115	24	WASHER, plain, SAE std., 3/8"
7	051484	8	SHIM, bearing adjustment (.007" thick. Use as required)
	051483	20	SHIM, bearing adjustment (.010" thick. Use as required)
	051482	12	SHIM, bearing adjustment (.032" thick. Use as required)
8	056312	4	SHAFT
9	051478	4	RETAINER, inner bearing
10	012992	24	CAPSCREW, 3/8"NF x 1-1/4"
	904206	24	LOCKWASHER, 3/8"
	911115	24	WASHER, plain, SAE std., 3/8"
11	047605	12	GASKET, seal ring (See item 26)
12	047581	4	SPRING ASSEMBLY, seal (Serviced only as a unit)(See item 26)
13	047151	8	RING, seal (See item 26)
14	051429	4	GUARD ASSEMBLY, seal (Includes item 15)
15	049877	12	PIN, seal guard
16	034042	4	PLUG, oiling hole (Used prior to tractor #6475)
17	034043	4	GASKET, oiling hole plug (Used prior to tractor #6475)
18	056881	4	BRACKET
19	070299	4	CAPSCREW, 5/8"NF x 4"
20	067559	8	CAPSCREW, 3/4"NF x 6-1/4"
21	013465	8	CAPSCREW, 3/4"NF x 2-1/2"
22	012767	16	NUT, high, 3/4"NF
23	072366	4	NUT, high, 5/8"NF
24	033288	-	CEMENT, neoprene, 1/2 pint can
25	054890	-	SOLVENT, neoprene cement, 1/2 pint can
26	083536	2	SEAL KIT, (Includes parts for two (2) roller assemblies; items 11 thru 13)

} For cementing boots and gaskets



TRACK IDLER (First type)

TRACK IDLER

USAGE: Model HD11G Tractors prior to serial No. 6473

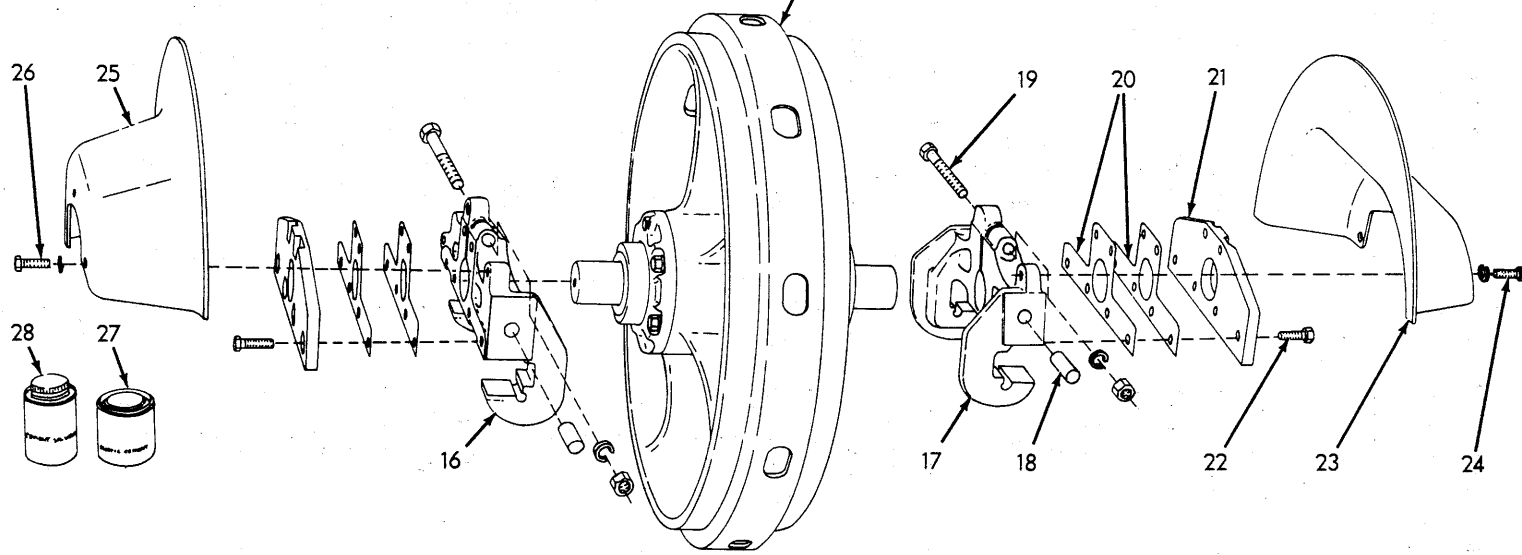
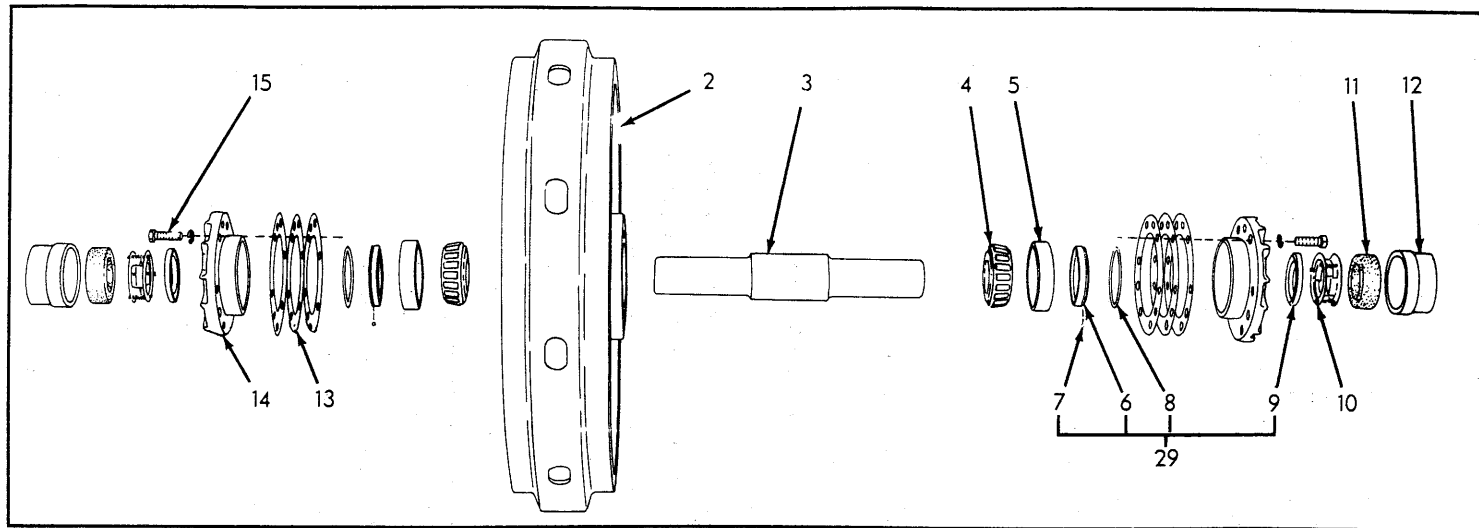
* Used prior to tractor serial No. 4312

** Effective with tractor serial No. 4312

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	081471	2	-	IDLER ASSEMBLY (Consists of items 2, 3 and 6 thru 19)
	-----	-	2	IDLER ASSEMBLY (Order 1 each IDLER ASSEMBLY 622851, BRACKET ASSEMBLY 637763, BRACKET ASSEMBLY 637764; 2 each slide BAR 622848, CAPSCREW 071987, LOCKWASHER 904209, NUT 911044; and 6 SHIM 622849)
2	621812	2	2	IDLER
3	622669	2	2	SHAFT
4	034043	2	2	GASKET, shaft oil hole plug (Original equipment)
5	034042	2	2	PLUG, shaft oil hole (Original equipment)
6	073112	4	4	CONE ASSEMBLY, bearing
7	073111	4	4	CUP, bearing
8	066693	4	4	RING, idler seal, inner
9	905357	4	4	BALL, steel, 3/16" diam.
10	923585	4	4	O-RING, seal ring
11	049110	4	4	RING, idler seal, outer
12	049111	4	4	SPRING ASSEMBLY, seal (Serviced only as a unit)
13	049109	4	4	BOOT, seal spring
14	073160	6	6	SHIM, bearing adjustment (.007" thick. Use as required)
	073161	6	6	SHIM, bearing adjustment (.010" thick. Use as required)
	073162	6	6	SHIM, bearing adjustment (.032" thick. Use as required)
15	073165	4	4	RETAINER, bearing
16	035018	24	24	CAPSCREW, 1/2"NF x 1-1/2"
	904208	24	24	LOCKWASHER, 1/2"
17	077727	2	-	BRACKET ASSEMBLY, left (Includes item 19)
	094983	-	2	BRACKET ASSEMBLY, left (Includes item 19)
18	077728	2	-	BRACKET ASSEMBLY, right (Includes item 19)
	094984	-	2	BRACKET ASSEMBLY, right (Includes item 19)
19	056585	4	4	PIN, dowel, idler bracket to release yoke
20	081407	2	2	GUARD, left
21	070469	6	6	CAPSCREW, 1/2"NF x 1-1/4"
	904208	6	6	LOCKWASHER, 1/2"
22	081408	2	2	GUARD, right
23	070469	6	6	CAPSCREW, 1/2"NF x 1-1/4"
	904208	6	6	LOCKWASHER, 1/2"
24	643840	4	4	PLATE, guide
25	035014	24	24	CAPSCREW, 5/8"NF x 1-1/2"
26	078981	20	20	SHIM, guide adjusting (Use as required)
27	033288	-	-	CEMENT, neoprene, 1/2 pint can
28	054890	-	-	SOLVENT, neoprene cement, 1/2 pint can
29	083208	2	2	SEAL KIT (Includes parts for one (1) idler only; items 8 thru 11)

See item 29

For cementing boots



TRACK IDLER (Second type)

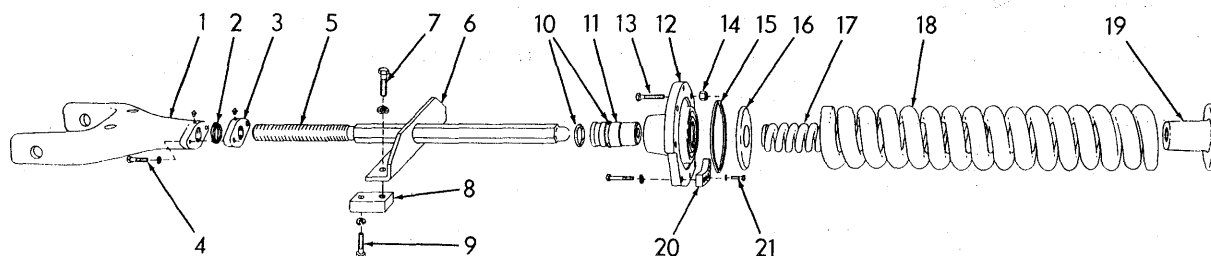
TRACK IDLER

USAGE: Tractors serial No. 6473 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	622851	2	IDLER ASSEMBLY (Consists of items 2 thru 15)(Used prior to tractor #8941)
	644068	2	IDLER ASSEMBLY (Consists of items 2 thru 15)(Effective with tractor #8941)
2	621812	2	IDLER (Used prior to tractor #8941)
	644067	2	IDLER (Effective with tractor #8941)
3	622847	2	SHAFT
4	073112	4	CONE ASSEMBLY, bearing
5	073111	4	CUP, bearing
6	066693	4	RING, idler seal, inner
7	905357	4	BALL, steel, 3/16" diam.
8	923585	4	O-RING, seal ring
9	049110	4	RING, idler seal, outer
10	049111	4	SPRING ASSEMBLY, seal (Serviced only as a unit)
11	049109	4	BOOT, seal spring
12	622855	4	RETAINER, seal
13	073160	4	SHIM, bearing adjustment (.007" thick. Use as required)
	073161	6	SHIM, bearing adjustment (.010" thick. Use as required)
	073162	4	SHIM, bearing adjustment (.032" thick. Use as required)
14	622850	4	RETAINER, bearing
15	035018	24	CAPSCREW, 1/2"NF x 1-1/2"
	904208	24	LOCKWASHER, 1/2"
16	637763	2	BRACKET ASSEMBLY, left (Includes item 18)
17	637764	2	BRACKET ASSEMBLY, right (Includes item 18)
18	056585	4	PIN, dowel, idler bracket to release yoke
19	638796	4	CAPSCREW, bracket clamping (5/8"NF x 5")
	904209	4	LOCKWASHER, 5/8"
	911044	4	NUT, 5/8"NF
20	078981	16	SHIM, guide adjusting (Use as required)
21	643840	4	PLATE, guide
22	035014	24	CAPSCREW, 5/8"NF x 1-1/2" (Used prior to tractor #7559)
	070590	24	CAPSCREW, 5/8"NF x 1-1/8" (Effective with tractor #7559)
23	081408	2	GUARD, right
24	035525	6	CAPSCREW, 1/2"NF x 1-1/8"
	904208	6	LOCKWASHER, 1/2"
25	081407	2	GUARD, left
26	035525	6	CAPSCREW, 1/2"NF x 1-1/8"
	904208	6	LOCKWASHER, 1/2"
27	033288	-	CEMENT, neoprene, 1/2 pint can
28	054890	-	SOLVENT, neoprene cement, 1/2 pint can
29	083208	2	SEAL KIT (Includes parts for one (1) idler only; items 6 thru 9)

See item 29

For cementing boots



TRACK RELEASE

T-24128

ITEM PART NO. QTY. DESCRIPTION

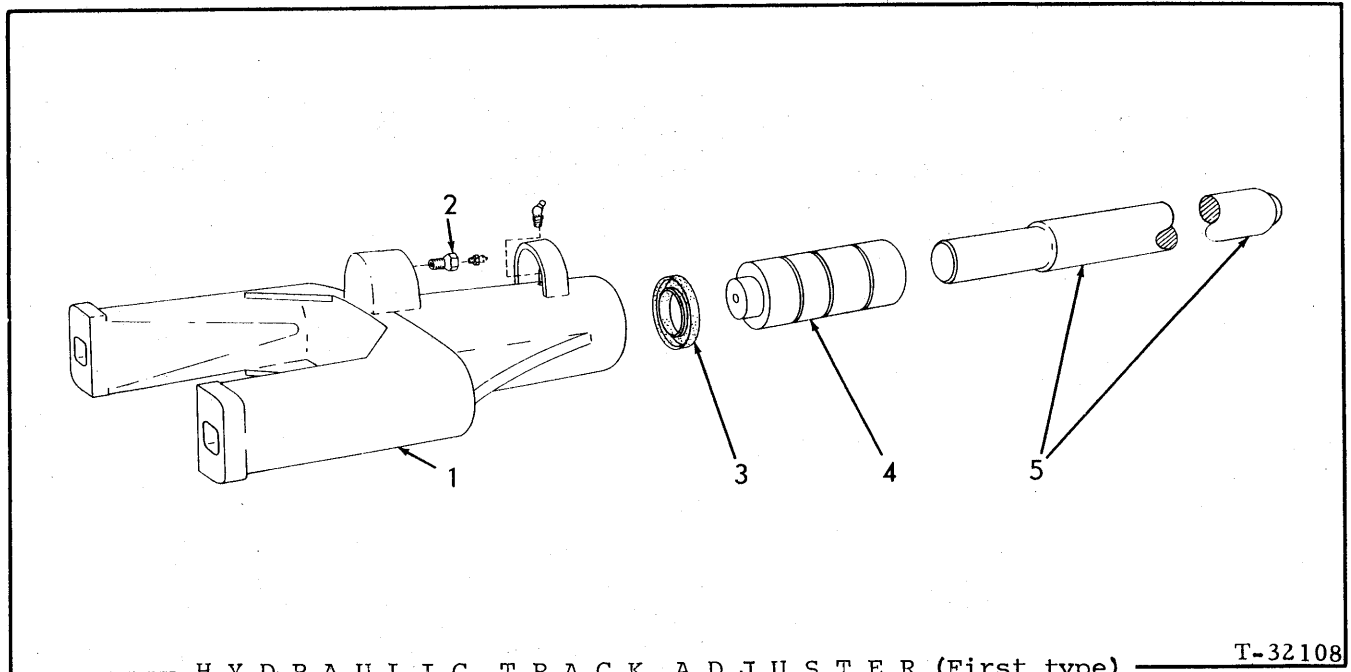
NOTE: See page 273 for optional Hydraulic Track Adjuster

1	637800	2	YOKE
	914465	2	FITTING, lubricating, straight, 1/8"NPT
2	066068	2	SEAL, protecting, adjustment screw threads (rubber)
3	056614	2	LOCK, adjustment screw
	914465	2	FITTING, lubricating, straight, 1/8"NPT
4	035067	4	CAPSCREW, 1/2"NF x 2"
	904208	4	LOCKWASHER, 1/2"
5	095281	2	SCREW, adjustment
6	093389	2	BRACKET, supporting, adjustment screw (2-1/2" hole) (Used on tractors #3830 thru #4568)
	095280	2	BRACKET, supporting, adjustment screw (2-3/4" hole) (Effective with tractor #4569)
7	023618	4	CAPSCREW, 5/8"NF x 2-1/2"
	904209	4	LOCKWASHER, 5/8"
8	093982	4	BLOCK, tapped (tapered section)(Used prior to tractor #7609)
	631665	4	BLOCK, tapped (straight section)(Effective with trac- tor #7609)
9	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	904208	4	LOCKWASHER, 1/2"
10	041076	2	SEAL, crosshead (square section)(Used prior to tractor #6615)
	923827	4	O-RING, crosshead (circular section)(Effective with tractor #6615)
11	-----	2	CROSSHEAD (Used prior to tractor #6615. Order CROSSHEAD 621300 and 2 O-RING 923827)
	621300	2	CROSSHEAD (Effective with tractor #6615)

(Continued)

TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	056652	2	COVER, release spring chamber
13	070161	16	CAPSCREW, 5/8"NF x 2-3/4"
	904209	6	LOCKWASHER, 5/8"
14	072366	10	NUT, high, 5/8"NF
15	056645	2	SEAL, release spring chamber cover
16	098121	2	WASHER, release spring
17	098123	2	SPRING, inner (If for tractors prior to #5790 also order items 16 and 19)
18	098122	2	SPRING, outer (If for tractors prior to #5790 also order items 16, 17 and 19)
19	098124	2	SEAT, release spring
20	645545	2	BLOCK, tapped
21	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	904208	4	LOCKWASHER, 1/2"

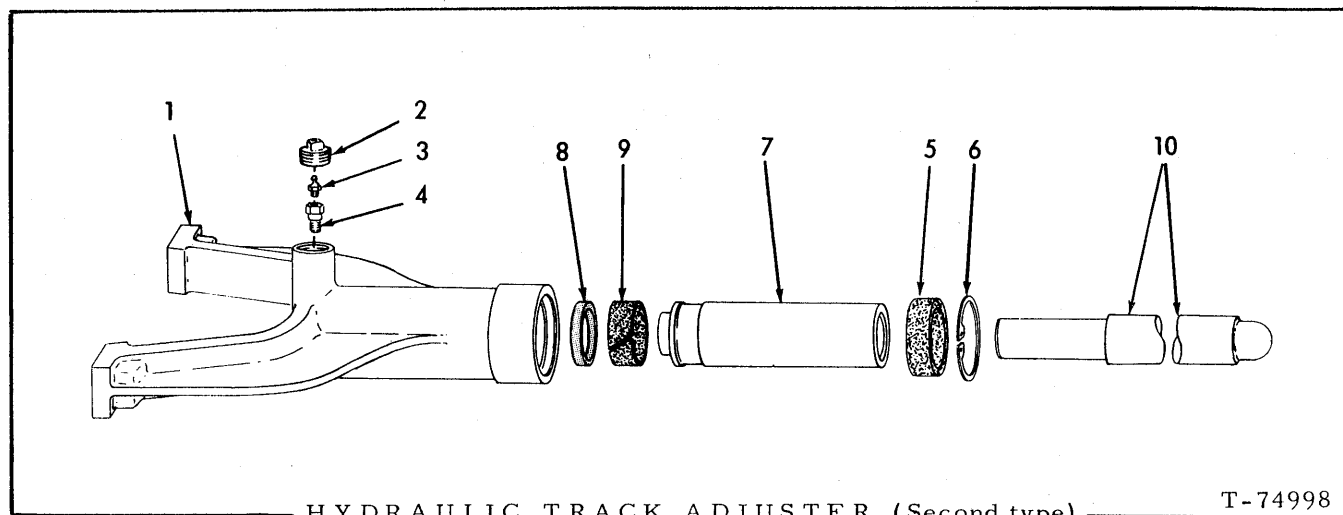


HYDRAULIC TRACK ADJUSTER (First type)

T-32108

USAGE: Special equipment. Used prior to September 1968

ITEM	PART NO.	QTY.	DESCRIPTION
1	624206	2	YOKE ASSEMBLY (Includes items 2 thru 4 and FITTINGS indented below)
	915275	2	FITTING, lubricating, 65°, 1/8"NPT
2	628915	2	VALVE ASSEMBLY, relief (Serviced only as a unit)
	912808	2	FITTING, straight, 1/4"-28NF (pressurizing)
3	628934	2	SEAL, piston
4	628933	2	PISTON, adjusting
5	624565	2	BAR, push

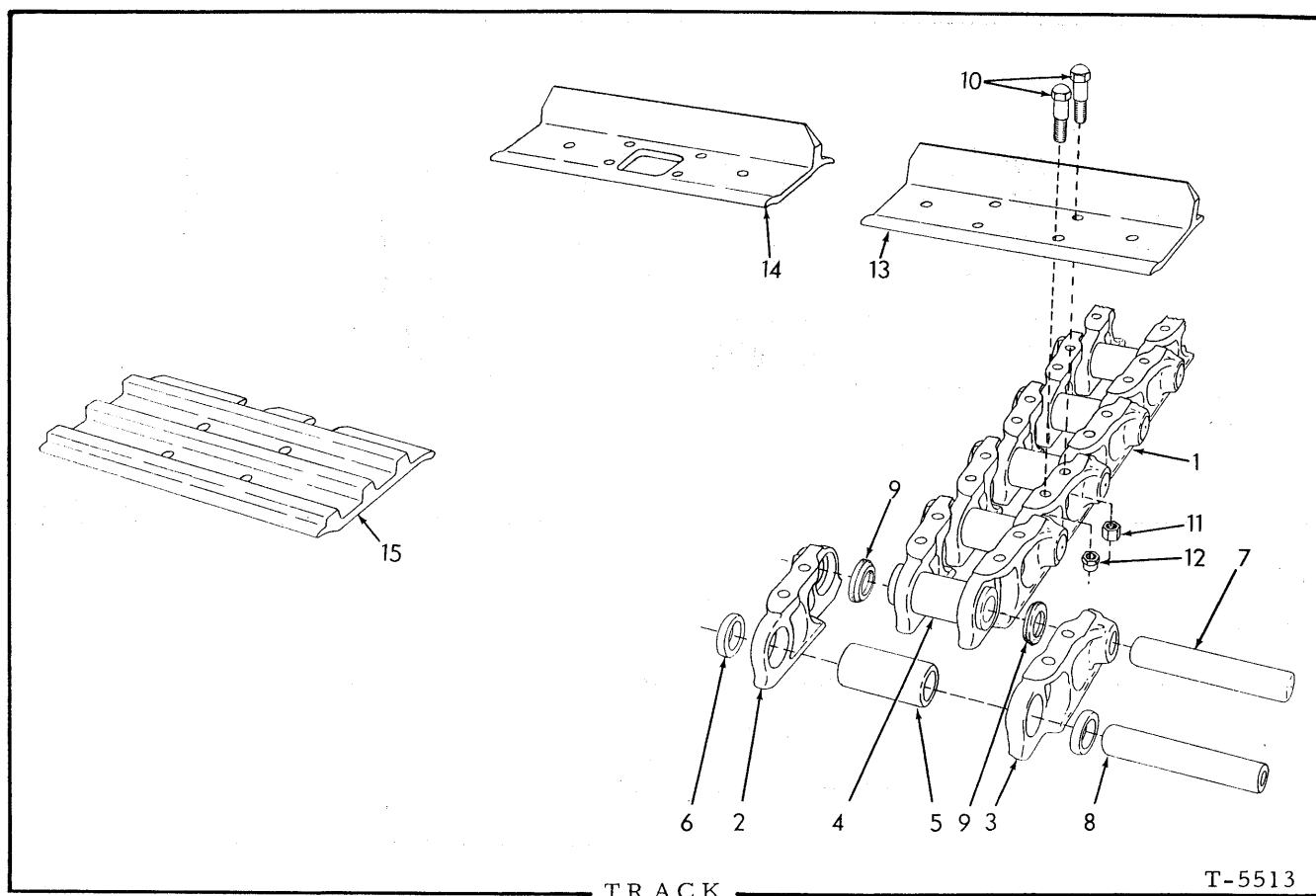


HYDRAULIC TRACK ADJUSTER (Second type)

T-74998

USAGE: Special equipment. Effective September 1968

ITEM	PART NO.	QTY.	DESCRIPTION
1	665044	2	YOKE ASSEMBLY (Includes items 2 thru 9)
2	666367	2	PLUG, yoke
3	666407	2	FITTING, pressurizing
4	628915	2	VALVE ASSEMBLY, check (Serviced only as a unit)
5	666621	2	RING, wear, release yoke
6	659058	2	RING, snap
7	665043	2	PISTON, adjusting
8	628934	2	SEAL, piston
9	666620	2	RING, wear, adjusting piston
10	666622	2	BAR, push (28-3/8" long)



USAGE: Tractors prior to serial No. 8941

* Original equipment
 ** Service replacement (Sealed-type)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	2	-	RAIL ASSEMBLY (44 links)(Consists of items 2 thru 8)(Order RAIL ASSEMBLY 647251)
	647251	-	2	RAIL ASSEMBLY (44 links)(Consists of items 2 thru 5 and 7 thru 9)
2	078701	88	86	BAR, left
	645985	-	2	BAR, master, left
3	078702	88	86	BAR, right
	645986	-	2	BAR, master, right
4	086495	86	-	BUSHING (5-3/4" long)
	645970	-	86	BUSHING (4-15/16" long)
5	079529	2	-	BUSHING, master (4-5/8" long)
	645971	-	2	BUSHING, master (4-5/8" long)
6	086520	4	-	SPACER, master bushing

(Continued)

TRACK (Continued)

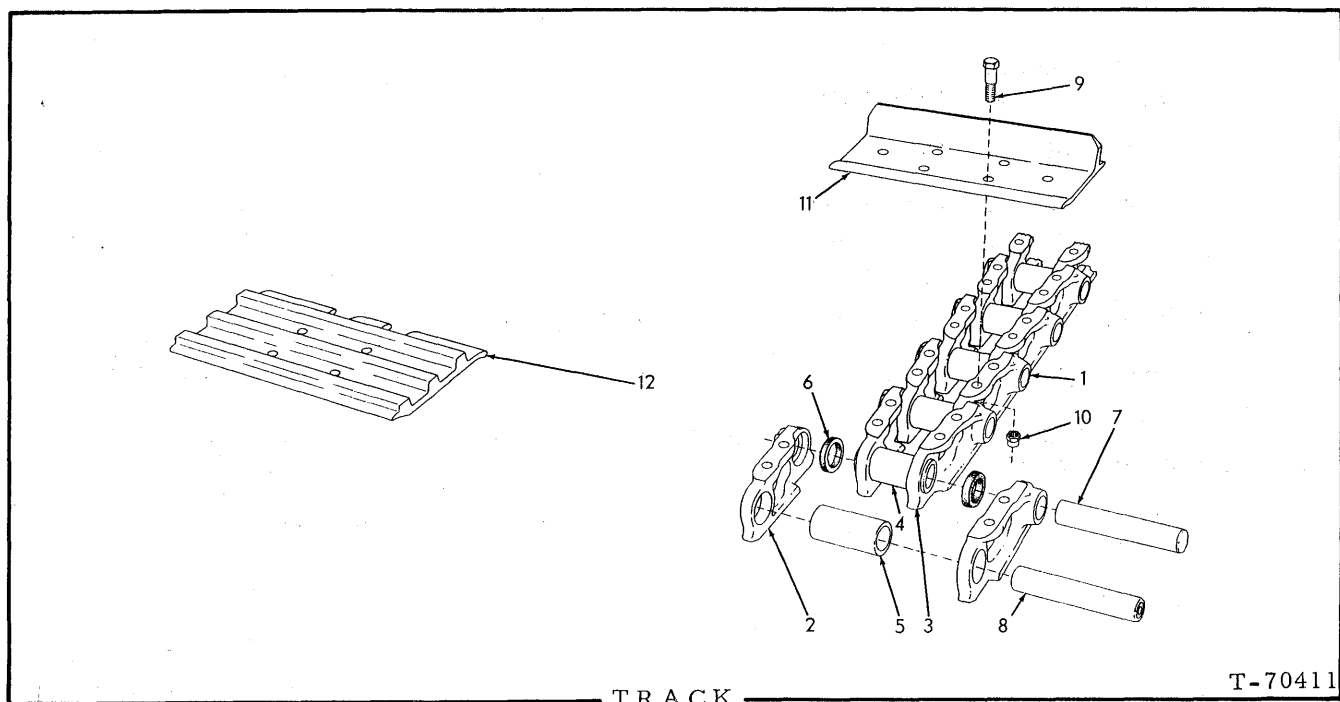
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
7	079533	86	86	PIN
8	621312	2	2	PIN, master
9	645969	-	176	SEAL
10	097282	352	352	BOLT, track shoe (5/8"NF x 2-1/8")(Standard)
	624546	352	352	BOLT, track shoe (5/8"NF x 2-7/16")(Special. Used with SHOE 624497 only)
11	084342	176	176	NUT, high, 5/8"NF
12	086479	176	176	NUT, tapered, 5/8"NF
12A	651370	-	-	LUBRICANT, track pin, 1 gal. can (Not illustrated)

TRACK SHOES

COMPLETE TRACK
ASSEMBLIES WITH
SHOES (2 Required)

* **

13	073553	88	88	SHOE, grouser, 16".....	-----	
14	073592	88	88	SHOE, grouser, cut-out, 16".....	-----	
15	079815	88	88	SHOE, semi-grouser, 16" (Standard).....	086867	 647250
	624497	88	88	SHOE, semi-grouser, 16" (Heavy-duty. For steel mill).....	-----	 647273



USAGE: Tractors serial No. 8941 and up

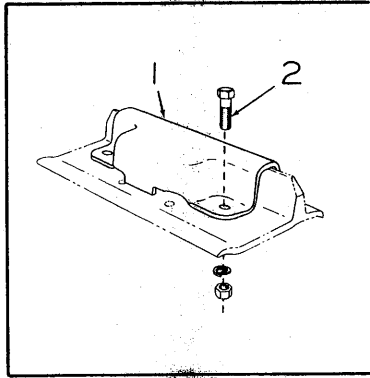
ITEM PART NO. QTY. DESCRIPTION

1	645698	2	RAIL ASSEMBLY (44 links)(Consists of items 2 thru 8)
2	643841	86	BAR, left
	645441	2	BAR, master, left
3	643842	86	BAR, right
	645442	2	BAR, master, right
4	643967	86	BUSHING (5-5/16" long)
5	643973	2	BUSHING, master (5" long)
6	645148	176	SEAL
7	643924	86	PIN
8	644051	2	PIN, master
9	097282	352	BOLT, track shoe
10	084342	352	NUT, track shoe bolt
10A	651370	-	LUBRICANT, track pin, 1 gal. can (Not illustrated)

TRACK SHOES

COMPLETE TRACK ASSEMBLIES
WITH SHOES (2 Required)
(44 Links)

11	643963	88	SHOE, grouser, 16"..... 651494
12	644062	88	SHOE, semi-grouser, 16"..... 645699

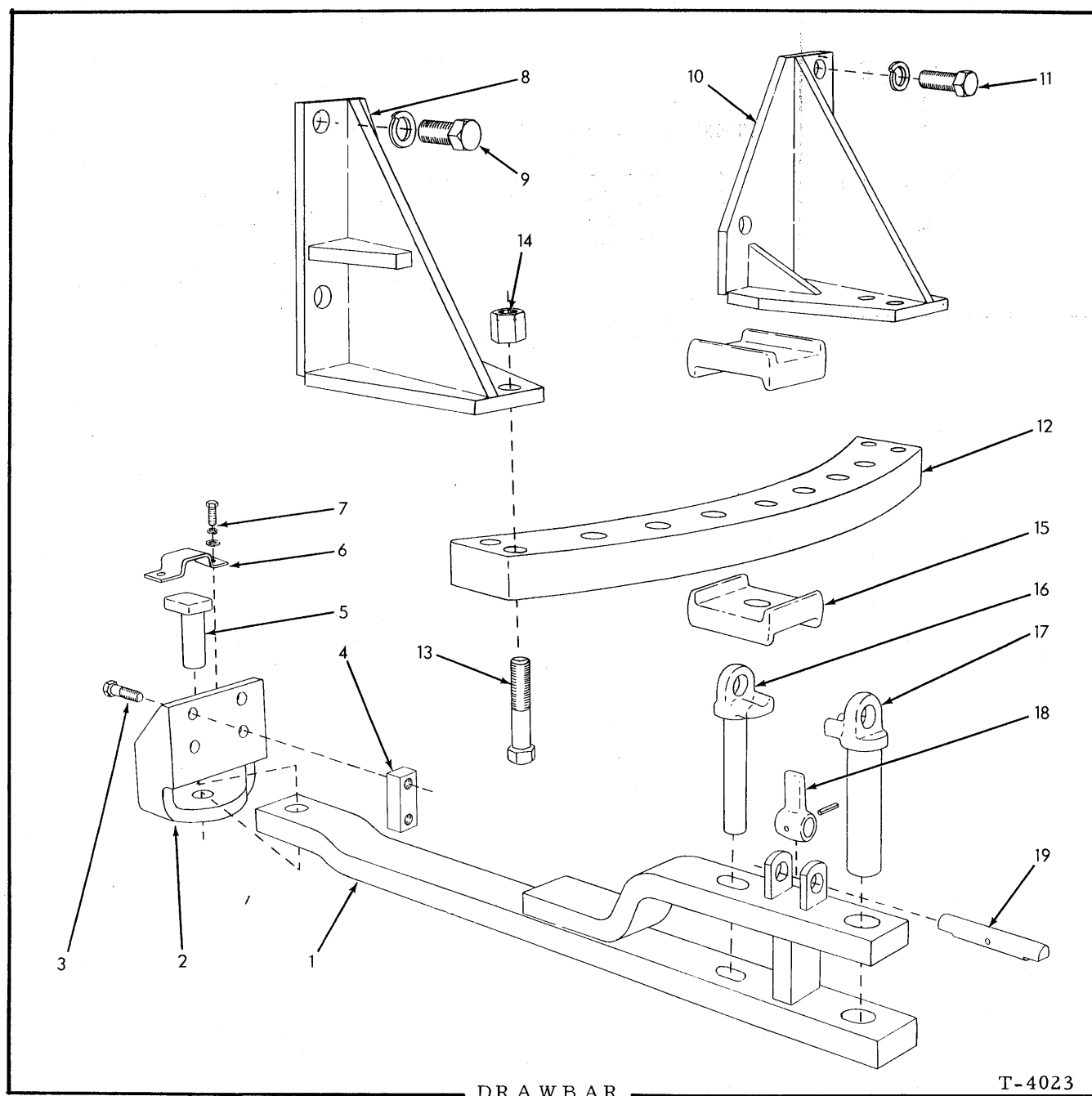


STREET PLATE

USAGE: Special equipment for grouser shoes only

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	073558	1	PLATE, street
2	035014	2	CAPSCREW, 5/8"NF x 1-1/2"
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF

NOTE: Quantities indicated are for one (1) shoe only



DRAWBAR

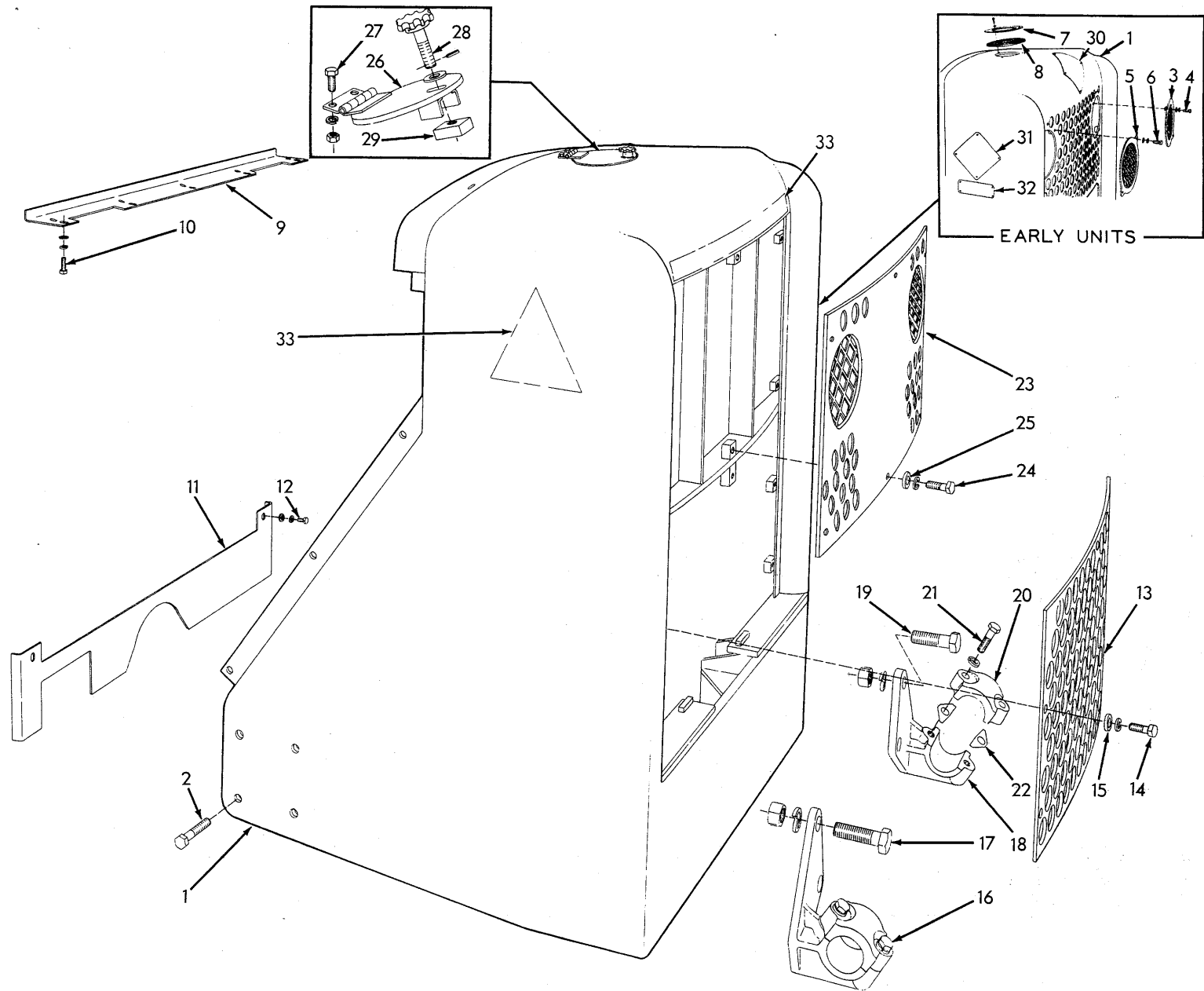
T-4023

ITEM	PART NO.	QTY.	DESCRIPTION
1	056711	1	DRAWBAR
2	647923	1	BRACKET, hinge pin
3	012984	4	CAPSCREW, 3/4"NF x 2-3/4"
4	012767	4	NUT, high, 3/4"NF (Tractors prior to #8960)
	647922	2	BLOCK, tapped (Tractors #8960 and up)
5	080667	1	PIN, hinge
6	050447	1	PLATE, hinge pin retaining
7	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
	910244	2	WASHER, plain, SAE std., 1/2"

(Continued)

DRAW BAR (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
8	064413	1	BRACKET, supporting plate, left
9	073468	3	CAPSCREW, 1"NF x 2-1/2"
	910916	3	LOCKWASHER, 1"
10	064414	1	BRACKET, supporting plate, right
11	073468	3	CAPSCREW, 1"NF x 2-1/2"
	910916	3	LOCKWASHER, 1"
12	058759	1	PLATE, supporting
13	036546	4	CAPSCREW, 1"NF x 4-1/4"
14	600236	4	NUT, high, 1"NF
15	056706	2	SHOE, wear
16	056702	1	PIN, drawbar locking
17	059007	1	PIN, drawbar coupling
18	051352	1	ARM, locking, drawbar pins
	915504	1	PIN, roll, 5/16" x 1-3/4"
19	078867	1	SHAFT, locking arm



RADIATOR GUARD

RADIATOR GUARD

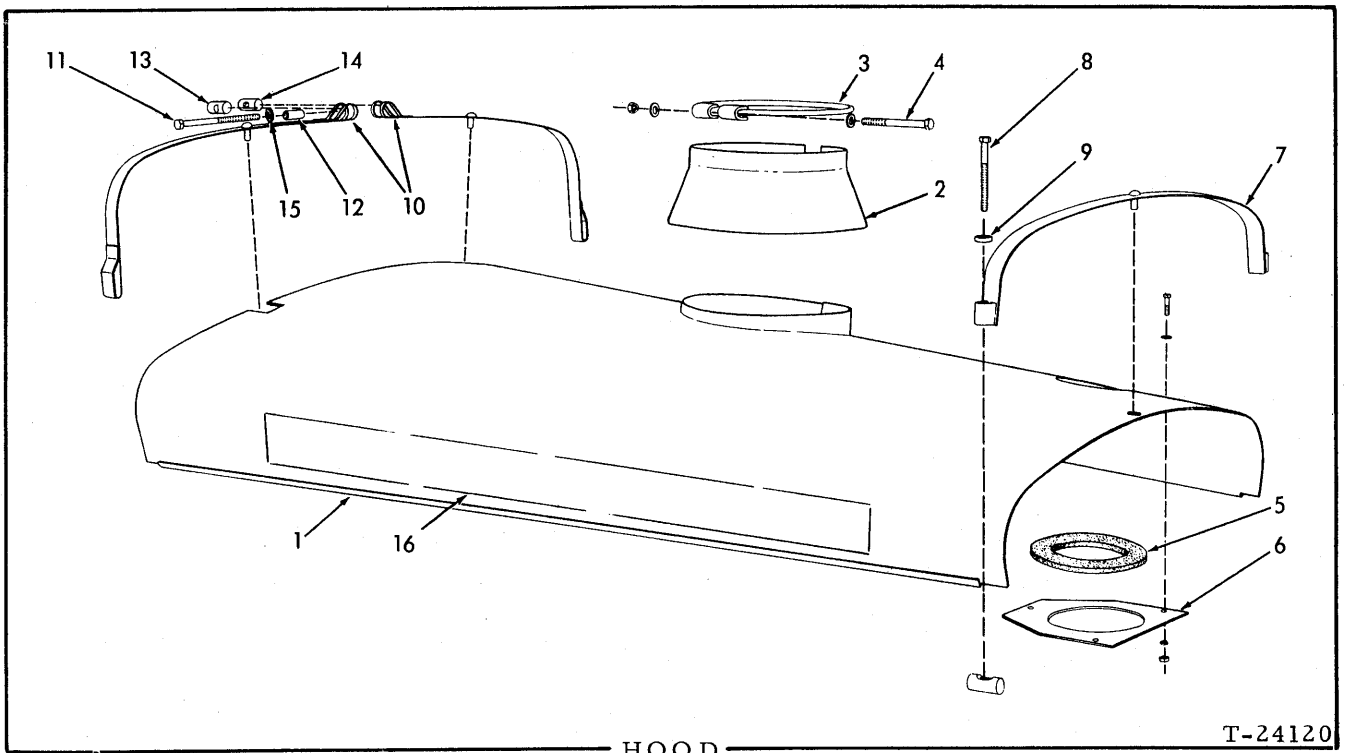
* Used prior to tractor serial No. 5480
 ** Effective with tractor serial No. 5480

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	GUARD ASSEMBLY (Order GUARD 093605 and items 24 thru 30)
	093605	-	1	GUARD, radiator
2	070161	8	8	CAPSCREW, 5/8"NF x 2-3/4"
	904209	8	8	LOCKWASHER, 5/8"
	911044	8	8	NUT, 5/8"NF
3	089227	1	-	PLATE, guard, left headlight (Effective with tractor #1764)
4	012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	-	LOCKWASHER, 3/8"
	911115	2	-	WASHER, plain, SAE std., 3/8"
5	089228	1	-	PLATE, guard, right headlight (Effective with tractor #1764)
6	012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	-	LOCKWASHER, 3/8"
	911115	2	-	WASHER, plain, SAE std., 3/8"
7	087258	1	-	PLATE, seal retaining
	916780	3	-	SCREW, thread-cutting, hex-hd., 1/4"NC x 3/4"
	900816	3	-	WASHER, plain, U.S. std., 1/4"
8	087259	1	-	SEAL, radiator neck
9	624758	1	1	BAFFLE, air, upper (3-5/8" wide)(Used prior to tractor #7999)
	641490	-	1	BAFFLE, air, upper (4-1/8" wide)(Effective with tractor #7999)
10	012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	904206	5	5	LOCKWASHER, 3/8"
	044973	5	5	WASHER, plain
11	087930	1	1	BAFFLE, air, lower
12	036034	2	2	CAPSCREW, 3/8"NF x 1"
	904206	2	2	LOCKWASHER, 3/8"
	044973	2	2	WASHER, plain
13	087112	1	-	PLATE, front closure, lower
	093561	-	1	PLATE, front closure, lower
14	614478	5	-	CAPSCREW, 1/2"NF x 1-3/8"
	035733	-	5	CAPSCREW, 1/2"NC x 1-3/8"
	904208	5	5	LOCKWASHER, 1/2"
15	064531	5	5	WASHER, plain
16	087106	1	1	BRACKET ASSEMBLY, mounting, right side (Includes items 20 thru 22)
17	035420	2	2	CAPSCREW, 1"NF x 3-1/4"
	910916	2	2	LOCKWASHER, 1"
	911047	2	2	NUT, 1"NF
18	087105	1	1	BRACKET ASSEMBLY, mounting, left side (Includes items 20 thru 22)
19	035420	2	2	CAPSCREW, 1"NF x 3-1/4"
	910916	2	2	LOCKWASHER, 1"
	911047	2	2	NUT, 1"NF

(Continued)

RADIATOR GUARD (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
20	-----	2	2	CAP, pivot, guard mounting bracket (Not serviced separately)
21	023618	4	4	CAPSCREW, 5/8"NF x 2-1/2"
	904209	4	4	LOCKWASHER, 5/8"
22	087104	12	12	SHIM, cap adjustment (Use as required)
23	093564	-	1	PLATE, front closure, upper
24	035733	-	6	CAPSCREW, 1/2"NC x 1-3/8"
	904208	-	6	LOCKWASHER, 1/2"
25	064531	-	6	WASHER, plain
26	091942	-	1	PLATE, top closure (Includes hinge)
27	035167	-	2	CAPSCREW, 3/8"NF x 7/8"
	904206	-	2	LOCKWASHER, 3/8"
	911041	-	2	NUT, 3/8"NF
28	624487	-	1	KNOB, top closure plate
	910244	-	1	WASHER, plain, SAE std., 1/2"
	916202	-	1	PIN, roll, 1/8" x 7/8"
29	624488	-	1	BLOCK, tapped
30	623525	1	1	MONOGRAM, "A-C", front (Used prior to May 1963)
	918370	4	4	RIVET, drive, 3/16" x 9/32" (Not original equipment)
31	623524	22	2	MONOGRAM, "A-C", side (Used prior to May 1963)
	918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
32	-----	2	2	MONOGRAM, "HD11G" (Not available)
	918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
33	-----	1	1	TRANSFER, "ALLIS-CHALMERS" (See PAINTING AND MARKING)



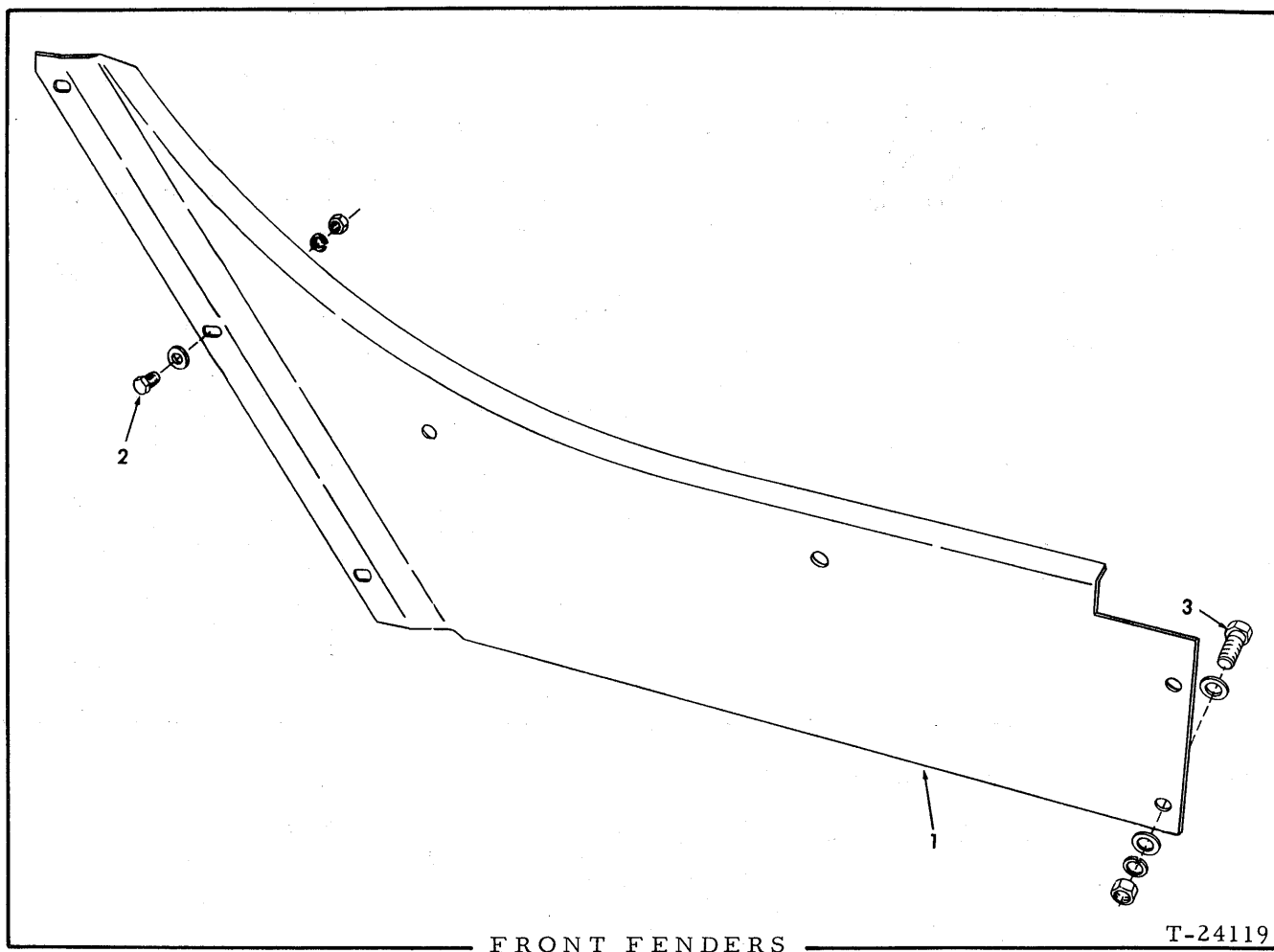
HOOD

T-24120

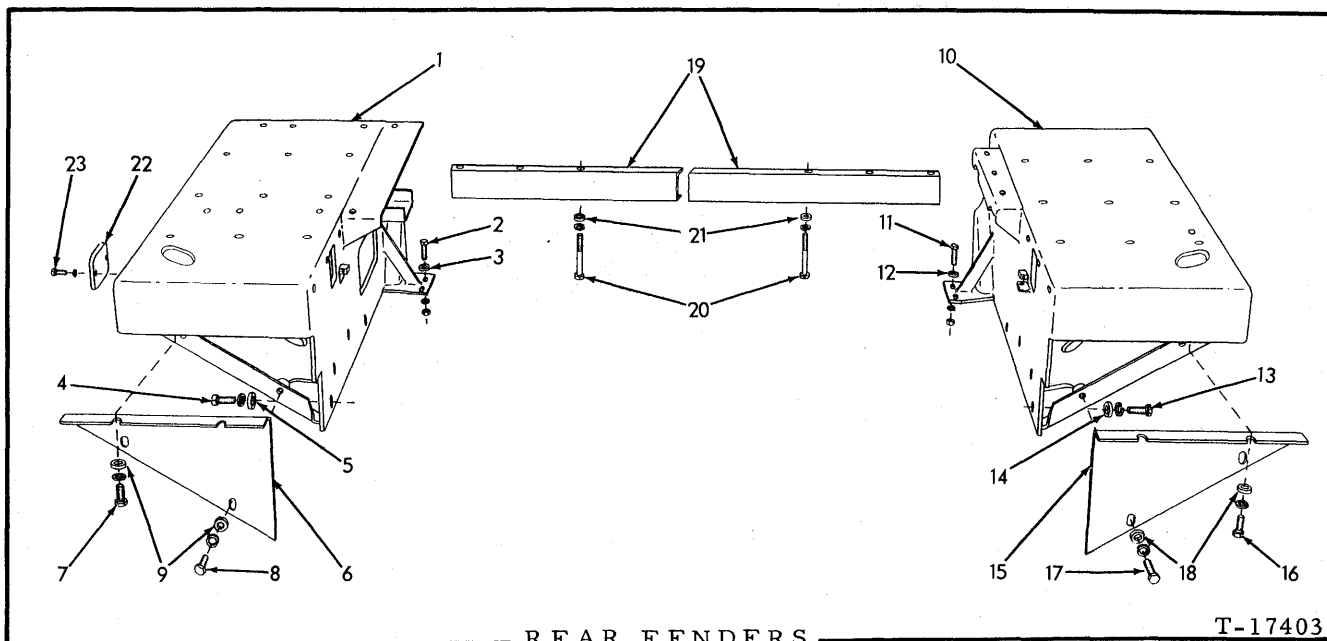
ITEM PART NO. QTY. DESCRIPTION

NOTE: See AIR PRE-CLEANER EXTENSION for listing of optional hood and straps

1	087326	1	HOOD, engine
2	622258	1	SHIELD, dirt, exhaust pipe
3	087307	1	CLAMP, exhaust pipe dirt shield
4	052016	1	CAPSCREW, 3/8"NF x 4"
	911115	2	WASHER, plain, SAE std., 3/8"
	911041	1	NUT, 3/8"NF
5	078840	1	SEAL, air stack (rubber, 3-3/4" hole)(Used with oil-bath air cleaner only)
	623263	1	SEAL, air stack (rubber, 4-5/8" hole)(Used with dry-type air cleaner only)
6	087111	1	PLATE, retaining, air stack seal
	903625	3	CAPSCREW, 1/4"NC x 3/4"
	900816	3	WASHER, plain, U.S. std., 1/4"
	904204	3	LOCKWASHER, 1/4"
	911024	3	NUT, 1/4"NC
7	083388	1	STRAP, hold-down, rear
8	088559	2	CAPSCREW, 3/8"NC x 3"
9	044973	2	WASHER, plain
10	090597	2	STRAP, hold-down, front
11	087159	1	CAPSCREW, front strap (3/8"NC x 5-1/2")
12	053667	1	SPACER, front strap cap screw
13	050735	1	PIN, front strap (plain hole)
14	050734	3	PIN, hood strap (threaded hole)
15	044973	1	WASHER, plain
16	-----	-	TRANSFER (See PAINTING AND MARKING)



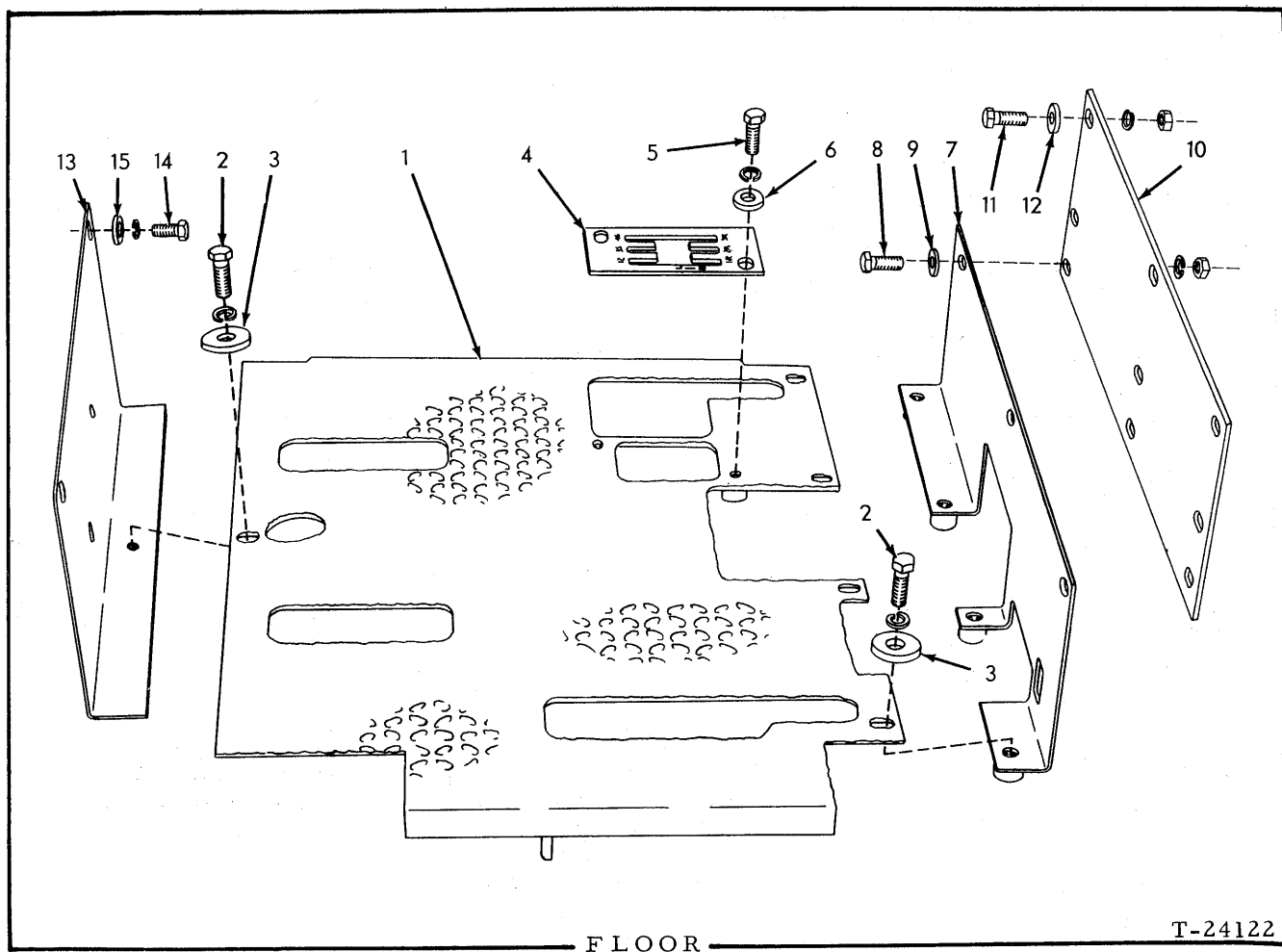
ITEM	PART NO.	QTY.	DESCRIPTION
1	087107	1	FENDER, left side
	087108	1	FENDER, right side
2	070469	6	CAPSCREW, 1/2"NF x 1-1/4"
3	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	064531	14	WASHER, plain
	904208	14	LOCKWASHER, 1/2"
	911043	14	NUT, 1/2"NF



REAR FENDERS

T-17403

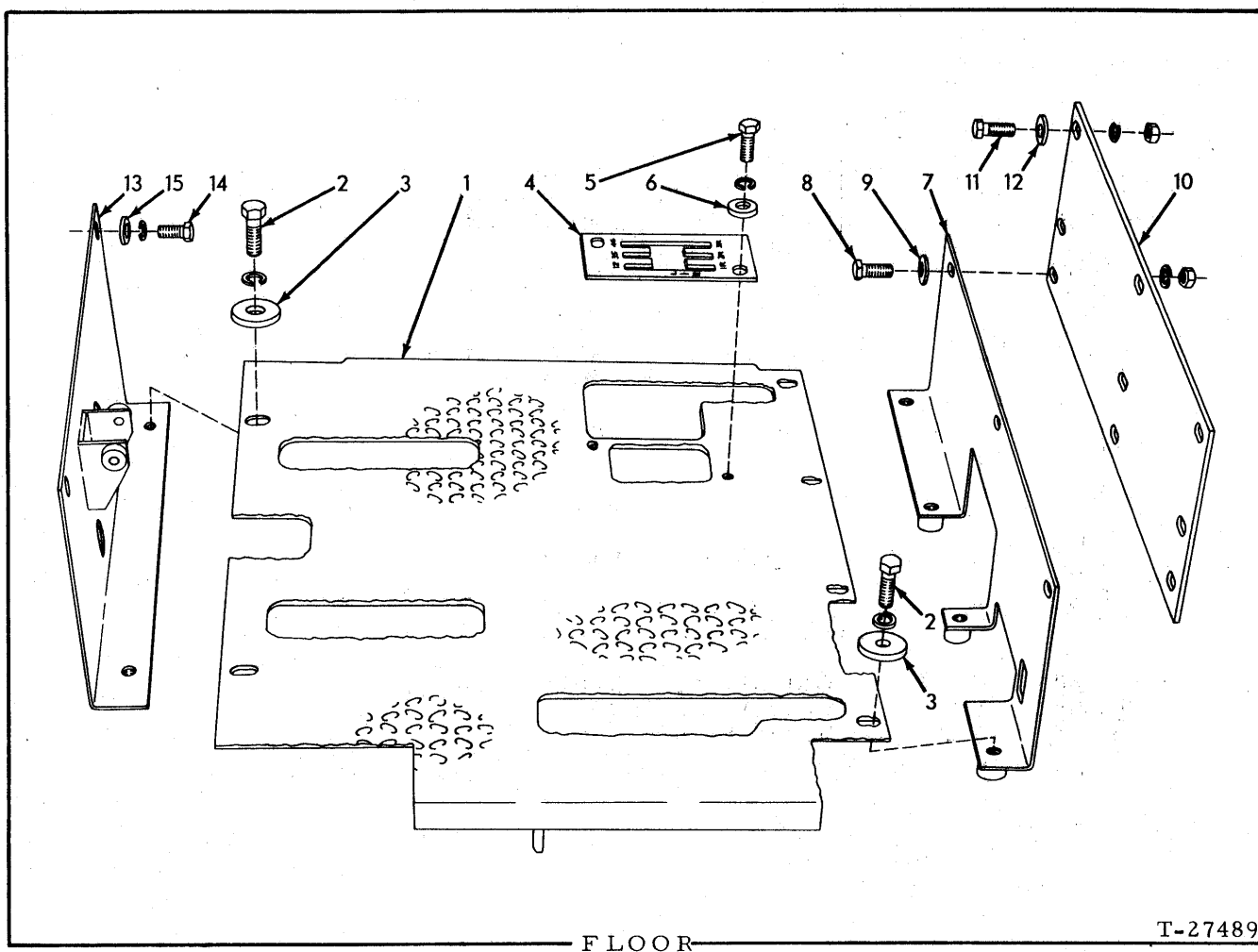
ITEM	PART NO.	QTY.	DESCRIPTION
1	095185	1	FENDER, left
2	{ 035073	2	CAPSCREW, 1/2"NF x 1-3/4" (Used prior to tractor #6069)
	035067	2	CAPSCREW, 1/2"NF x 2" (Effective with tractor #6069)
3	064531	1	WASHER, plain (1 additional used prior to tractor #6069)
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
4	648714	4	CAPSCREW, Nylok, 5/8"NF x 2"
	904209	4	LOCKWASHER, 5/8"
5	064810	4	WASHER, plain
6	090279	1	PLATE, closure, left
7	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
8	{ 035073	2	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	035236	2	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
	904208	4	LOCKWASHER, 1/2"
9	064531	4	WASHER, plain
10	095186	1	FENDER, right
11	{ 035073	2	CAPSCREW, 1/2"NF x 1-3/4" (Used prior to tractor #6069)
	035067	2	CAPSCREW, 1/2"NF x 2" (Effective with tractor #6069)
12	064531	2	WASHER, plain
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
13	648714	4	CAPSCREW, Nylok, 5/8"NF x 2"
	904209	4	LOCKWASHER, 5/8"
14	064810	4	WASHER, plain
15	090280	1	PLATE, closure, right
16	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
17	{ 035073	2	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	035236	2	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
	904208	4	LOCKWASHER, 1/2"
18	064531	4	WASHER, plain
19	089904	3	CHANNEL, fender supporting
20	057517	18	CAPSCREW, 1/2"NF x 4"
	904208	18	LOCKWASHER, 1/2"
21	064531	18	WASHER, plain
22	087482	3	COVER, channel access
23	035439	6	CAPSCREW, 3/8"NC x 1"
	904206	6	LOCKWASHER, 3/8"



USAGE: Model HD11G tractors prior to serial No. 6069

ITEM PART NO. QTY. DESCRIPTION

1	087456	1	PLATE, floor
2	035190	5	CAPSCREW, 1/2"NC x 1-1/2"
	904208	5	LOCKWASHER, 1/2"
3	{ 064531	5	WASHER, plain (1-1/8" O. D.)(Early units)
	092163	5	WASHER, plain (1-3/4" O. D.)(Late units)
4	083674	1	GUIDE, gear shift lever
5	035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	904208	2	LOCKWASHER, 1/2"
6	064531	2	WASHER, plain
7	088668	1	PLATE, floor supporting, rear
8	035525	3	CAPSCREW, 1/2"NF x 1-1/8"
9	064531	3	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
	911043	3	NUT, 1/2"NF
10	088666	1	PLATE (Used with PLATE 088668 to support floor when seat is in raised position. Effective with tractor #834)
11	035525	3	CAPSCREW, 1/2"NF x 1-1/8"
12	064531	3	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
	911043	3	NUT, 1/2"NF
13	087460	1	PLATE, floor supporting, front
14	035220	2	CAPSCREW, 1/2"NC x 1-1/8"
	904208	2	LOCKWASHER, 1/2"
15	064531	2	WASHER, plain



USAGE: Tractors serial No. 6069 and up

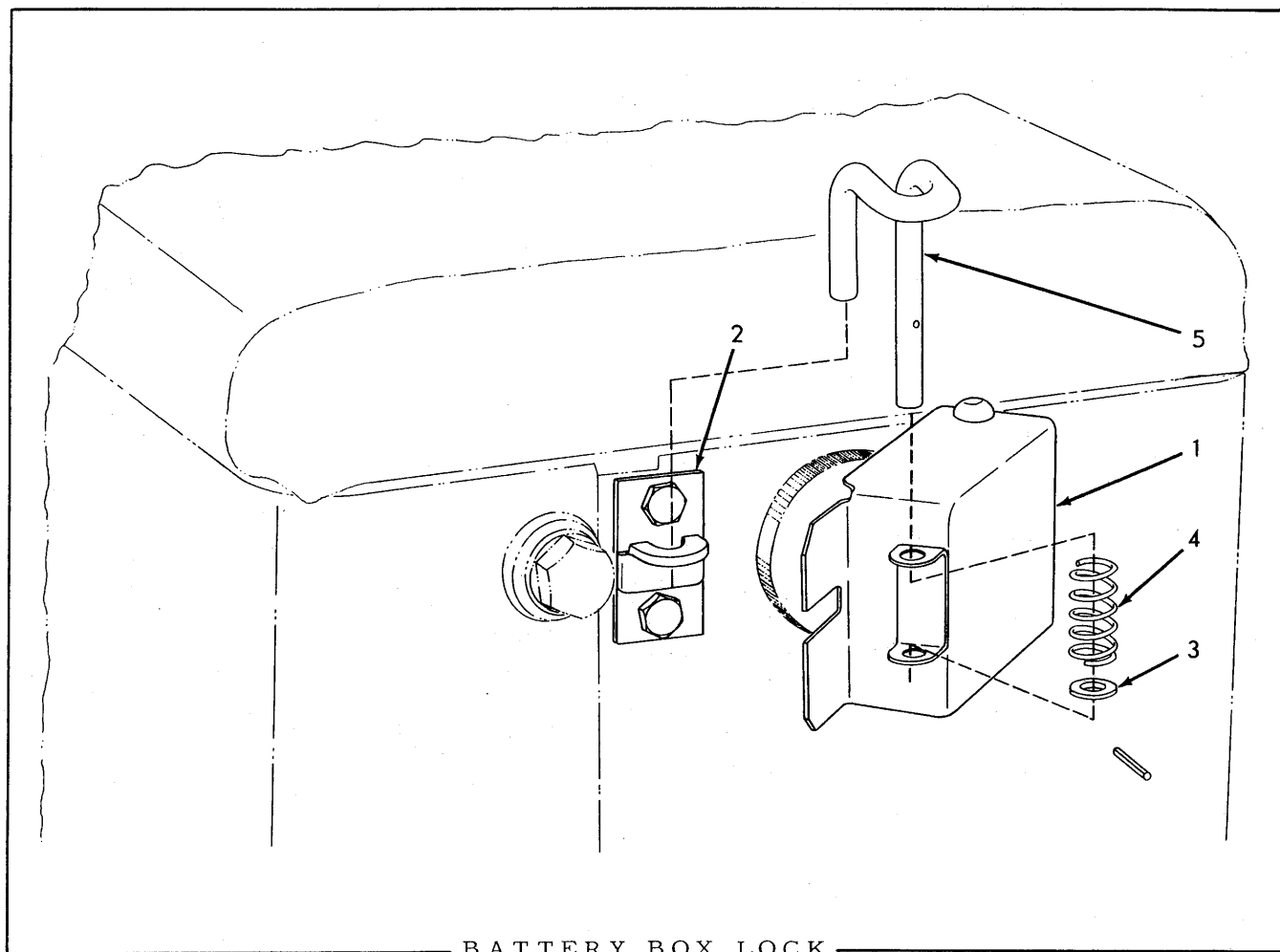
* Model HD11G
** Model HD11GC

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	099595	1	-	PLATE, floor (Used prior to tractor #6473)
	621424	1	-	PLATE, floor (Effective with tractor #6473)
	620850	-	1	PLATE, floor
2	035190	6	6	CAPSCREW, 1/2"NC x 1-1/2"
	904208	6	6	LOCKWASHER, 1/2"
3	092163	6	6	WASHER, plain
4	083674	1	-	GUIDE, gear shift lever
	620856	-	1	GUIDE, gear shift lever
5	035190	2	2	CAPSCREW, 1/2"NC x 1-1/2"
	904208	2	2	LOCKWASHER, 1/2"
6	064531	2	2	WASHER, plain

(Continued)

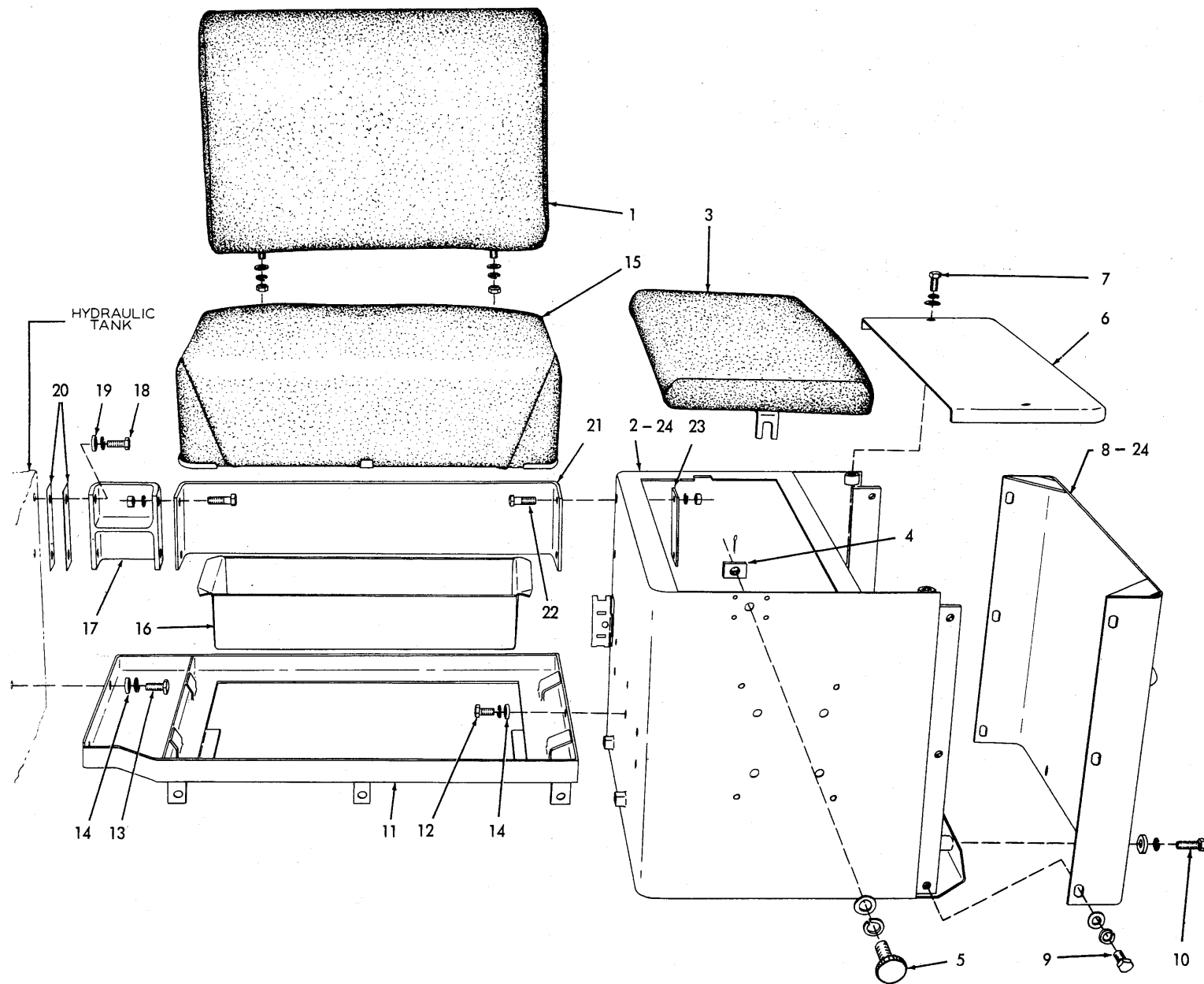
FLOOR (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
7	088668	1	-	PLATE, floor supporting, rear
	621522	-	1	PLATE, floor supporting, rear
8	035525	3	3	CAPSCREW, 1/2"NF x 1-1/8"
9	064531	3	3	WASHER, plain
	904208	3	3	LOCKWASHER, 1/2"
	911043	3	3	NUT, 1/2"NF
10	088666	1	1	PLATE (Supports floor with seat in raised position)
11	035525	3	3	CAPSCREW, 1/2"NF x 1-1/8"
12	064531	3	3	WASHER, plain
	904208	3	3	LOCKWASHER, 1/2"
	911043	3	3	NUT, 1/2"NF
13	099593	1	-	PLATE, floor supporting, front (Used prior to tractor #6427)
	620127	1	1	PLATE, floor supporting, front (Used on tractors #6427 thru #6910)
	630793	1	1	PLATE, floor supporting, front (Effective with tractor #6911)
14	035220	2	2	CAPSCREW, 1/2"NC x 1-1/8"
15	904208	2	2	LOCKWASHER, 1/2"
	064531	2	2	WASHER, plain



USAGE: Special equipment. Padlock is required to complete the installation.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	620474	1	COVER, retaining knob
	914330	2	CAPSCREW, 1/4"NF x 5/8"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
2	620472	1	PLATE, latching, retaining knob cover
	914330	2	CAPSCREW, 1/4"NF x 5/8"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
3	607414	1	WASHER, latching spring
4	035916	1	SPRING, latching rod
5	621201	1	ROD, latching
	916146	1	PIN, roll, 3/32" x 1/2"



SEAT

				SEAT
ITEM	PART NO.	QTY.	DESCRIPTION	
1	084315	1	CUSHION, back (Includes 2 NUTS 911028)	
	910244	2	WASHER, plain, SAE std., 1/2"	
	904208	2	LOCKWASHER, 1/2"	
	911028	2	NUT, 1/2"NC	
2	084797	1	BOX, battery	
	035018	3	CAPSCREW, 1/2"NF x 1-1/2"	} To fuel tank. Used prior to tractor #4713
	064531	3	WASHER, plain	
	904208	3	LOCKWASHER, 1/2"	
	911043	3	NUT, 1/2"NF	
3	083263	1	CUSHION, arm	
4	050551	1	BLOCK, arm cushion retaining (1/2"NF) (Used prior to tractor #6069)	
	624488	1	BLOCK, arm cushion retaining (1/2"NC) (Effective with tractor #6069)	
5	050510	1	CAPSCREW, arm cushion retaining (1/2"NF x 1-1/2") (Used prior to tractor #6069)	
	091976	1	KNOB, arm cushion retaining (1/2"NC) (Effective with tractor #6069)	
	904208	1	LOCKWASHER, 1/2"	
	910244	1	WASHER, plain, SAE std., 1/2"	
	900802	1	PIN, cotter, 3/32" x 1"	
6	089336	1	COVER, battery box top	
7	070469	2	CAPSCREW, 1/2"NF x 1-1/4" (Early units)	
	035061	2	CAPSCREW, 1/2"NC x 1-1/4" (Late units)	
	904208	2	LOCKWASHER, 1/2"	
	900818	2	WASHER, plain, U.S. std., 1/2"	
8	080207	1	COVER, battery box side	
9	035525	6	CAPSCREW, 1/2"NF x 1-3/8"	
10	035018	2	CAPSCREW, 1/2"NF x 1-1/2"	
	904208	8	LOCKWASHER, 1/2"	
	064531	8	WASHER, plain	
11	087146	1	FRAME, seat cushion	
12	614478	3	CAPSCREW, 1/2"NF x 1-3/8"	
13	035018	2	CAPSCREW, 1/2"NF x 1-1/2"	
	904208	5	LOCKWASHER, 1/2"	
14	064531	5	WASHER, plain	
15	084314	1	CUSHION, seat	
16	093005	1	BOX, tool (Used prior to tractor #8346)	
17	087475	1	CHANNEL, hydraulic tank attaching	
18	070469	2	CAPSCREW, 1/2"NF x 1-1/4"	
	035073	2	CAPSCREW, 1/2"NF x 1-3/4" (To fuel tank. Used prior to tractor #4713)	
19	904208	2	LOCKWASHER, 1/2"	} 2 additional used prior to tractor #4713
	064531	2	WASHER, plain	
	911043	2	NUT, 1/2"NF (Used prior to tractor #4713)	
20	087472	4	SHIM, hydraulic tank spacing (Use as req'd)	
21	096951	1	BRACE, battery box (Effective with tractor #4713)	
22	614478	4	CAPSCREW, 1/2"NF x 1-3/8"	
	904208	4	LOCKWASHER, 1/2"	
	911043	4	NUT, 1/2"NF	
23	096939	1	PLATE, reinforcing, battery box (Effective with tractor #4713)	
24	-----	-	PLATE and TRANSFERS (See PAINTING AND MARKING)	

PAINTING AND MARKING

* Model HD11G
 ** Model HD11GC

ITEM	PART NO.	QTY. * **	DESCRIPTION
<u>NOTE:</u> Approximately 3-1/2 gallons paint required for spraying			
1	921094	- -	ENAMEL, persian orange, quart can
	922983	- -	ENAMEL, A-C yellow, quart can
2	921093	- -	ENAMEL, persian orange, gallon can
	922984	- -	ENAMEL, A-C yellow, gallon can
3	922985	- -	ENAMEL, A-C yellow, 5-gallon can
4	921092	- -	ENAMEL, persian orange, 12 oz. pressurized spray-type can
	922982	- -	ENAMEL, A-C yellow, 12 oz. pressurized spray-type can
5	621786	1 -	PLATE, tractor-shovel lubrication and service guide (7" x 10") (Attached to shovel frame on tractors prior to #6911)
	630687	1 -	PLATE, tractor-shovel lubrication and service guide (7" x 10") (Attached to shovel frame on tractors #6911 and up)
	624733	- 1	PLATE, tractor-shovel lubrication and service guide (7" x 10") (Attached to shovel frame)
	034076	4 4	SCREW, thread-cutting, #8 x 1/2"
6	623241	1 -	PLATE, tractor lubrication and service guide (multi-language, 7" x 10")(Attached to shovel frame on tractors prior to #6911)
	623073	1 1	PLATE, shovel lubrication and service guide (Multi-language, 6-1/2" x 7")(Attached to shovel frame on tractors prior to #6911)
	034076	4 4	SCREW, thread-cutting, #8 x 1/2"
7	630860	1 -	PLATE, tractor-shovel lubrication and service guide (multi- language, 8-3/4" x 12")(Attached to battery box on tractors #6911 and up)
	631762	- 1	PLATE, tractor-shovel lubrication and service guide (multi- language, 8-3/4" x 12")(Attached to battery box)
	034076	6 6	SCREW, thread-cutting, #8 x 1/2"
8	059698	1 -	PLATE, gear shift positions (2-5/8" x 3-1/2")(Attached to dash)
	077888	- 1	PLATE, gear shift positions (2-5/8" x 3-1/2")(Attached to dash)
	034076	4 4	SCREW, thread-cutting, #8 x 1/2"
9	621357	1 1	TRANSFER, lubrication certification (3-7/8" x 6-3/4", pressure- sensitive type)(Applied to dash)
10	631293	1 1	TRANSFER, instruction, engine operation (2-1/4" x 4-1/2", pressure-sensitive type)(Applied to dash)

(Continued)

PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
11	634284	1	1	TRANSFER, "ALLIS-CHALMERS" (1-3/8" x 30", pressure-sensitive type)(Applied to rear of fuel tank)
12	634330	2	2	TRANSFER, "ALLIS-CHALMERS" (1-3/4" x 39", pressure-sensitive type)(Applied to engine hood)
13	634376	3	3	TRANSFER, "ALLIS-CHALMERS" (1-1/8" x 20", pressure-sensitive type)(Applied to sides of seat and front of radiator guard)
14	638489	3	3	TRANSFER "HD11G" (11-1/4" x 12-1/4", pressure-sensitive type) (Applied to sides of seat and rear of fuel tank)
15	-----	-	2	TRANSFER, "TORQUE CONVERTER" design (Discontinued)
16	924320	1	1	TRANSFER, trademark (6-3/4", orange and black)(Applied to rear of fuel tank)
	924541	1	1	TRANSFER, trademark (6-3/4", white)(Applied to rear of fuel tank)
17	924306	2	2	TRANSFER, trademark (7-3/4", orange and black)(Applied to side of radiator guard)
	924463	2	2	TRANSFER, trademark (7-3/4", white)(Applied to sides of radiator guard)
18	644625	1	1	TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4", pressure-sensitive type)(Applied to 1st stage fuel filter)
	632389	1	1	TRANSFER, instruction, fuel filter (multi-language, 2-3/4" x 3-1/4", pressure-sensitive type)(Applied to 1st stage fuel filter)
19	644593	1	1	TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4", pressure-sensitive type)(Applied to 2nd stage fuel filter)
	632390	1	1	TRANSFER, instruction, fuel filter (multi-language, 1-3/4" x 5-1/2", pressure-sensitive type)(Applied to 2nd stage fuel filter)
20	621343	1	1	TRANSFER, instruction, oil filter (2-5/16" x 3-1/4", pressure-sensitive type)(Applied to filter)
	633627	1	1	TRANSFER, instruction, oil filter (multi-language, 4" x 4-3/4", pressure-sensitive type)(Applied to filter)
21	634516	1	1	TRANSFER, instruction, shovel hydraulic system (4" x 6-3/8", pressure-sensitive type)(Applied to hydraulic tank)
22	050842	1	1	TRANSFER, instruction, air cleaner (1-1/2" x 3-1/4")(Applied to oil bath air cleaner only)
	074578	1	1	ΔTRANSFER, instruction, air cleaner (Spanish translation, 1-5/8" x 4")(Applied to oil bath air cleaner only)
23	050838	1	1	TRANSFER, instruction, air pre-cleaner (Applied to air pre-cleaner)
	074577	1	1	ΔTRANSFER, instruction, air pre-cleaner (Spanish translation, 1-5/8" x 4")(Applied to air pre-cleaner)

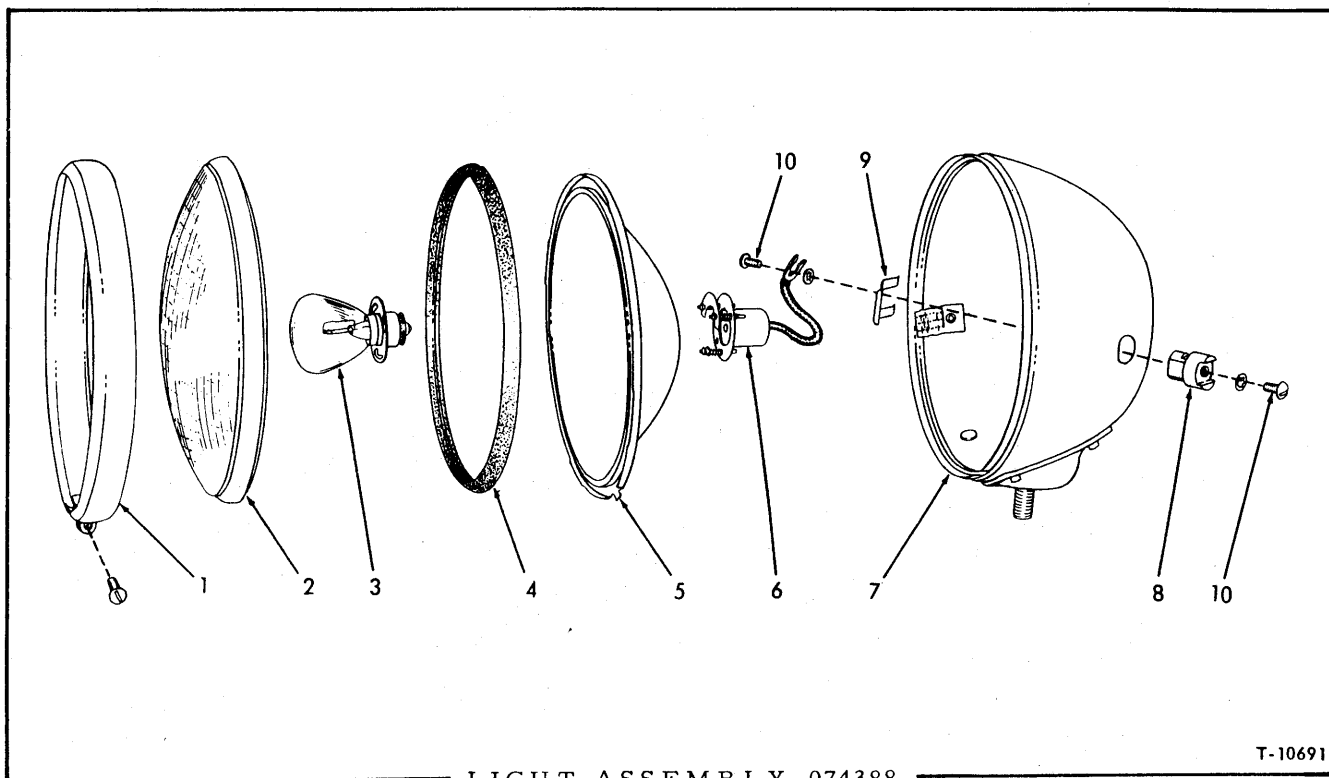
ΔIndicates permanent-type transfer. See item 29

(Continued)

PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
24	621342	1	1	TRANSFER, instruction, engine primer (1-3/4" x 6", pressure-sensitive type)(Applied to dash)
25	621338	1	1	TRANSFER, instruction, air heater operation (2" x 6", pressure-sensitive type)(Applied to dash)
	074579	1	1	ΔTRANSFER, instruction, air heater operation (Spanish translation, 2" x 6")(Applied to dash)
26	621399	1	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10", pressure-sensitive type. Includes Portuguese translation)(Applied to filter)
	621400	1	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10", pressure-sensitive type. French and Spanish translation)(Applied to filter)
27	629967	1	-	TRANSFER, instruction, oil clutch (1-3/8", pressure-sensitive type)(Applied to dash on tractors #6911 and up)
28	622014	1	1	TRANSFER KIT (Consists of one each TRANSFERS 924320, 050838, 050842, 621342, 621343, 634284, 634376, 644593, 644625; 2 TRANSFERS 924306 and 3 TRANSFERS 638489)
29	067937	-	-	CEMENT, transfer application, 1/2 pint jar (Makes solution by adding 4 parts of water. Required to apply transfers indicated by (Δ) above)

ΔIndicates permanent-type transfer. See item 29



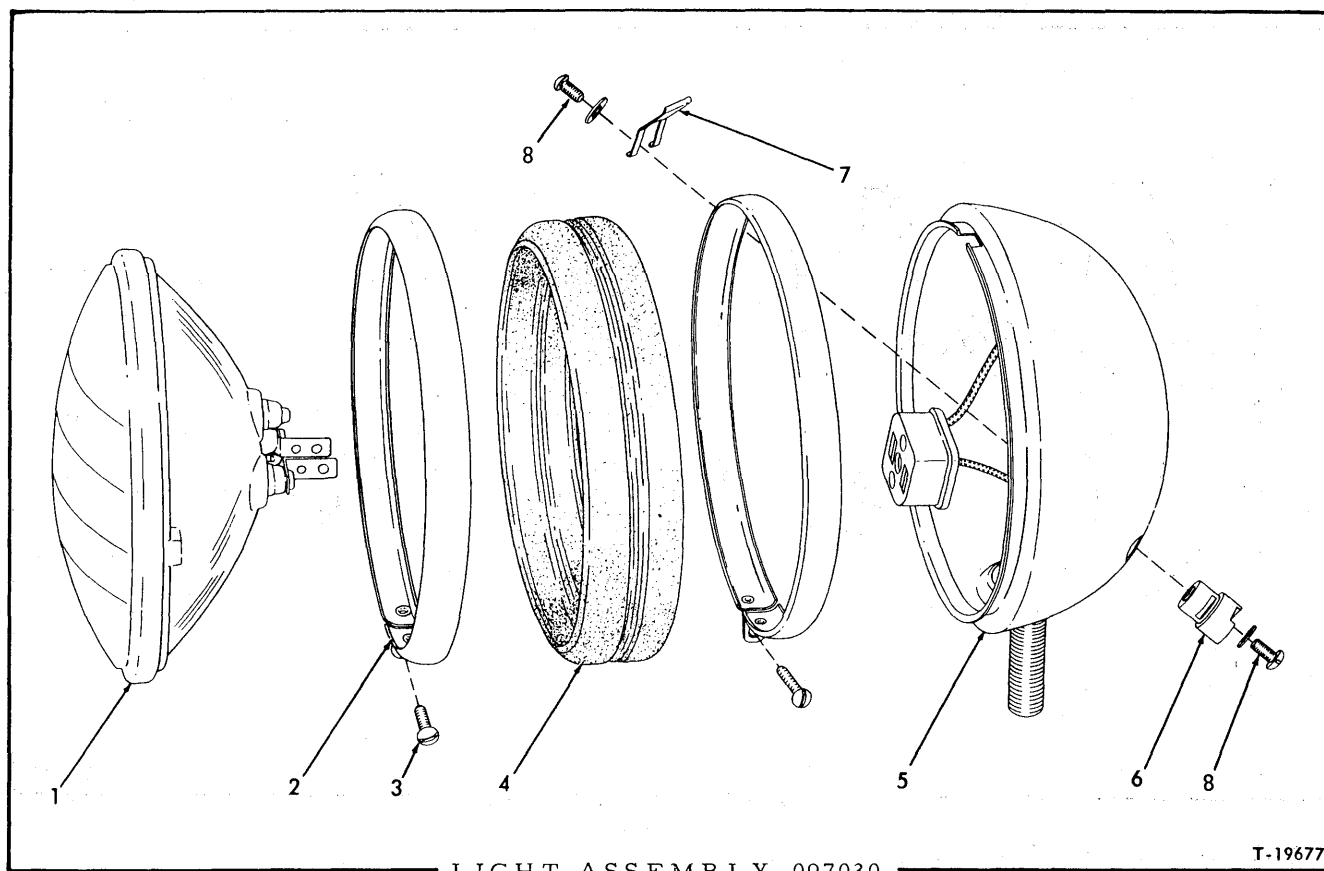
USAGE: See pages 298 and 326

ITEM PART NO. QTY. DESCRIPTION

NOTE: Quantities indicated are for one (1) light only.

1	058827	1	MOLDING
	915872	1	SCREW, machine, brass, #8-32NC x 5/8"
2	-----	1	LENS (glass)
3	074387	1	BULB (Single contact, 32 c.p., 24 volt)
4	058828	1	GASKET, lens
5	-----	1	REFLECTOR ASSEMBLY (Includes item 4)
6	058831	1	WIRING ASSEMBLY (Includes socket)
7	-----	1	BODY
8	055589	1	TERMINAL KIT (Includes items 9 and 10)
9	048922	1	SPRING, retaining, terminal bushing
10	034076	2	SCREW, terminal
	912739	2	LOCKWASHER, internal teeth, #8

NOTE: Items listed above without part number are no longer available. Replace entire unit with sealed-beam Light Assembly 638283.



LIGHT ASSEMBLY 097030

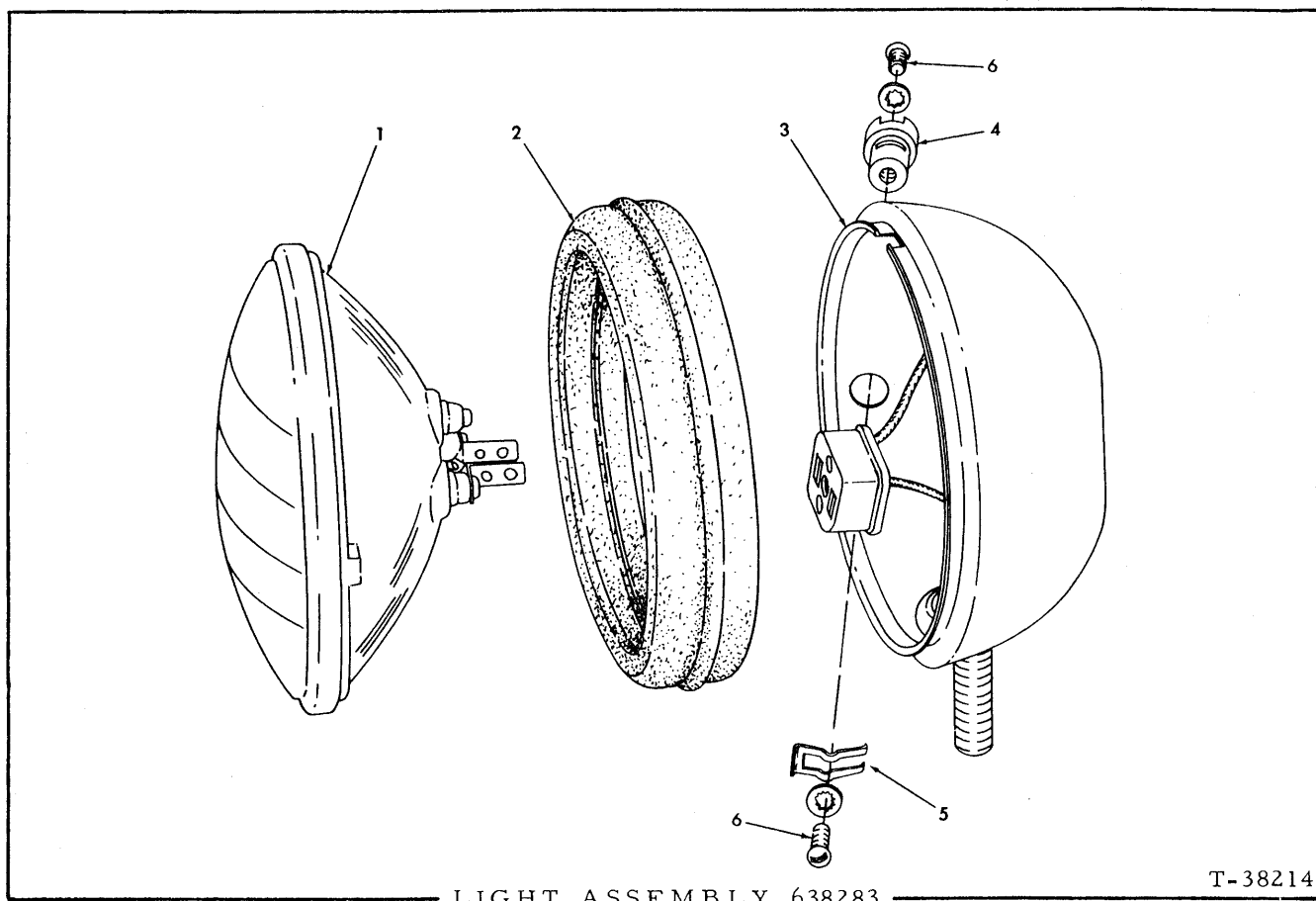
T-19677

USAGE: See pages 298, 301 and 326

ITEM PART NO. QTY. DESCRIPTION

NOTE: Quantities indicated are for one (1) light only

1	182763	1	SEALED BEAM (24 volt)
2	097046	2	MOLDING
3	622729	2	SCREW, molding
4	097048	1	RING, cushion
5	-----	1	BODY ASSEMBLY (Includes wiring. Not serviced separately)
6	055589	1	TERMINAL KIT (Includes items 7 and 8)
7	048922	1	SPRING, retaining, terminal bushing
8	034076	2	SCREW, terminal
	912739	2	LOCKWASHER, internal teeth, #8

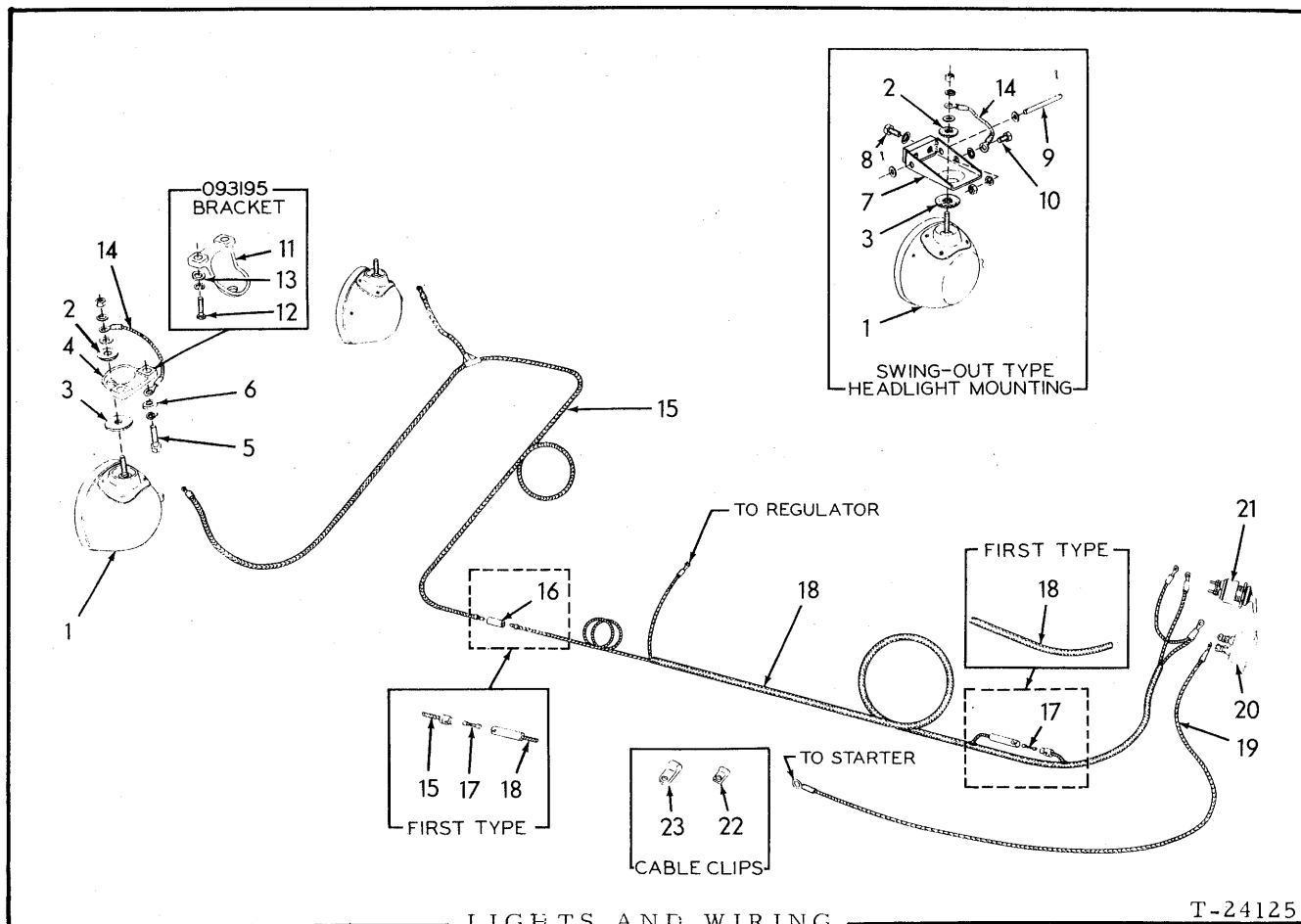


USAGE: See pages 301 and 326

ITEM PART NO. QTY. DESCRIPTION

NOTE: Quantities indicated below are for one (1) light only

1	182763	1	SEALED BEAM (24 volt)
2	638282	1	RING, retaining (rubber)
3	-----	1	BODY ASSEMBLY (Includes wiring. Not serviced separately)
4	055589	1	TERMINAL KIT (Includes items 5 and 6)
5	048922	1	SPRING, retaining, terminal bushing
6	034076	2	SCREW, terminal
	912739	2	LOCKWASHER, internal teeth, #8



USAGE: Model HD11G tractors prior to serial No. 6069

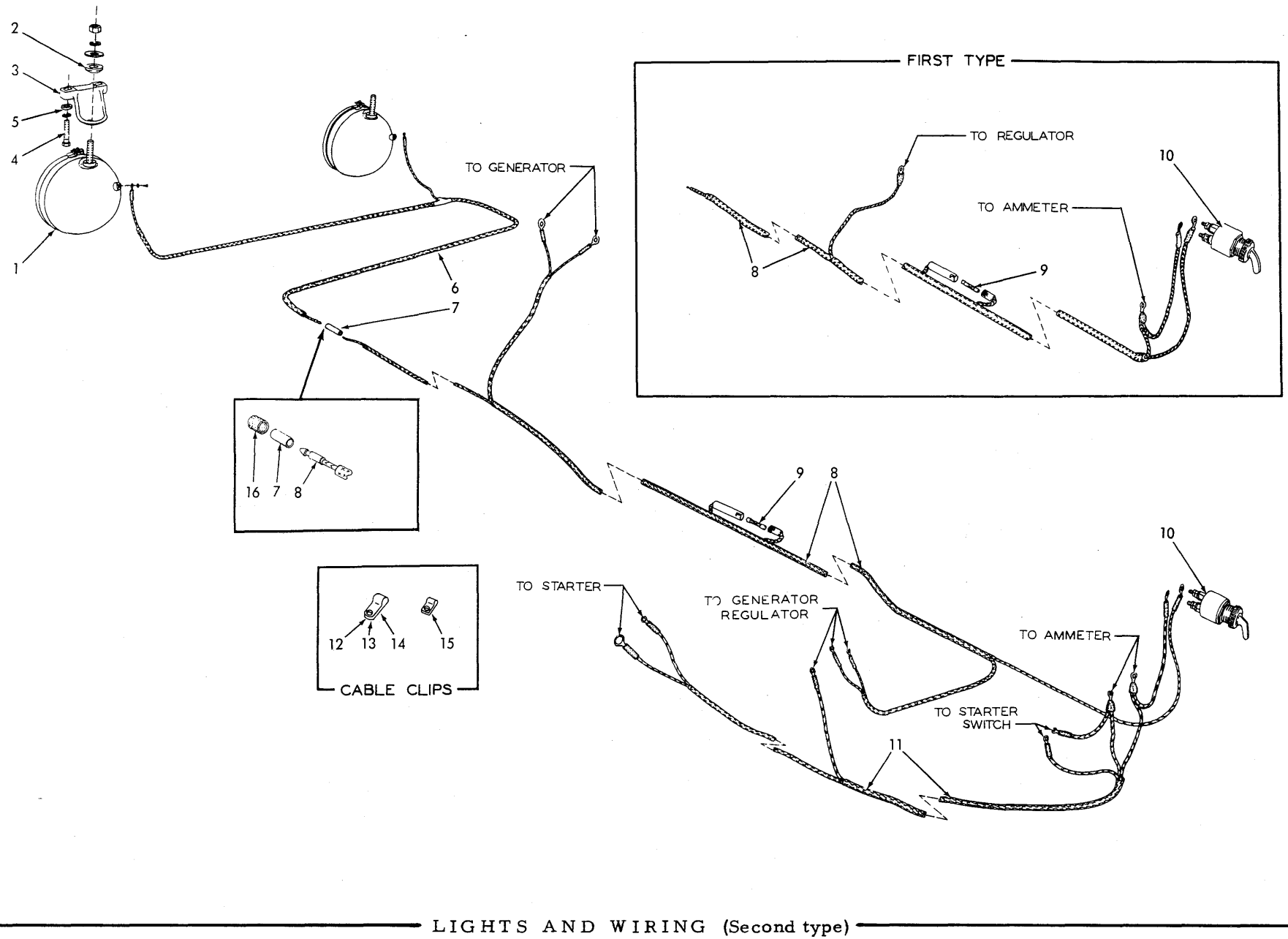
ITEM PART NO. QTY. DESCRIPTION

1	074388	2	LIGHT ASSEMBLY, head (See page 295 for parts)(Original equipment. Order 1 each LIGHT ASSEMBLY 638283, WASHER 075535, WASHER 900818, LOCKWASHER 904208 and NUT 911043)
	900817	2	WASHER, plain, U.S. std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	911026	2	NUT, 3/8"NC
	097030	2	LIGHT ASSEMBLY, head (See page 296 for parts)(Service replacement. Order LIGHT ASSEMBLY 638283)
	900818	2	WASHER, plain, U.S. std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
2	075854	2	WASHER, headlight mounting (rubber, beveled)
3	075853	2	WASHER, headlight mounting (rubber, flat)
4	075429	2	BRACKET, mounting (Used prior to tractor #1764)
5	203188	4	CAPSCREW, 3/8"NF x 1-1/2"
	904206	4	LOCKWASHER, 3/8"
6	044973	4	WASHER, plain
NOTE: Items 7 thru 10 comprise the SWING-OUT TYPE HEADLIGHT MOUNTING used on tractors serial No. 1764 thru 5479)			
7	089152	2	BRACKET, mounting
8	036034	4	CAPSCREW, 3/8"NF x 1"
	906960	4	LOCKWASHER, int-tooth, 3/8"

(Continued)

LIGHTS AND WIRING (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
9	089147	2	PIN, hinge, mounting bracket
	910335	4	WASHER, plain, SAE std., 5/16"
	904001	4	PIN, cotter, 3/32" x 1/2"
10	035979	2	CAPSCREW, ground cable
	906960	2	LOCKWASHER, int-tooth, 3/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
11	093195	2	BRACKET, mounting (Effective with tractor #5480)
12	035336	4	CAPSCREW, 3/8"NF x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
13	044973	4	WASHER, plain
14	077279	2	CABLE, headlight ground
15	084789	1	CABLE, headlights to main wiring harness (Used prior to tractor #3004)
	091172	1	CABLE, headlights to main wiring harness (Effective with tractor #3004)
16	048142	1	CONNECTOR, headlight cable (Effective with tractor #3004)
17	208960	1	FUSE, 1/4" x 1-1/4", 20 amp.
18	091161	1	HARNESS, main wiring (If for tractors prior to #3004 also order 1 CABLE 091172 and 1 CONNECTOR 048142)
19	084801	1	CABLE, starter to ammeter (54" long)
20	-----	1	AMMETER (See INSTRUMENTS)
21	083920	1	SWITCH (Includes mounting nuts)
22	235794	10	CLIP, cable supporting (1/4" diam., 13/32" bolt-hole)
	035979	10	CAPSCREW, 3/8"NF x 5/8"
	904206	10	LOCKWASHER, 3/8"
23	040796	5	CLIP, harness supporting (3/8" diam., 13/32" bolt-hole)
	035979	3	CAPSCREW, 3/8"NF x 5/8"
	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	5	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF



LIGHTS AND WIRING

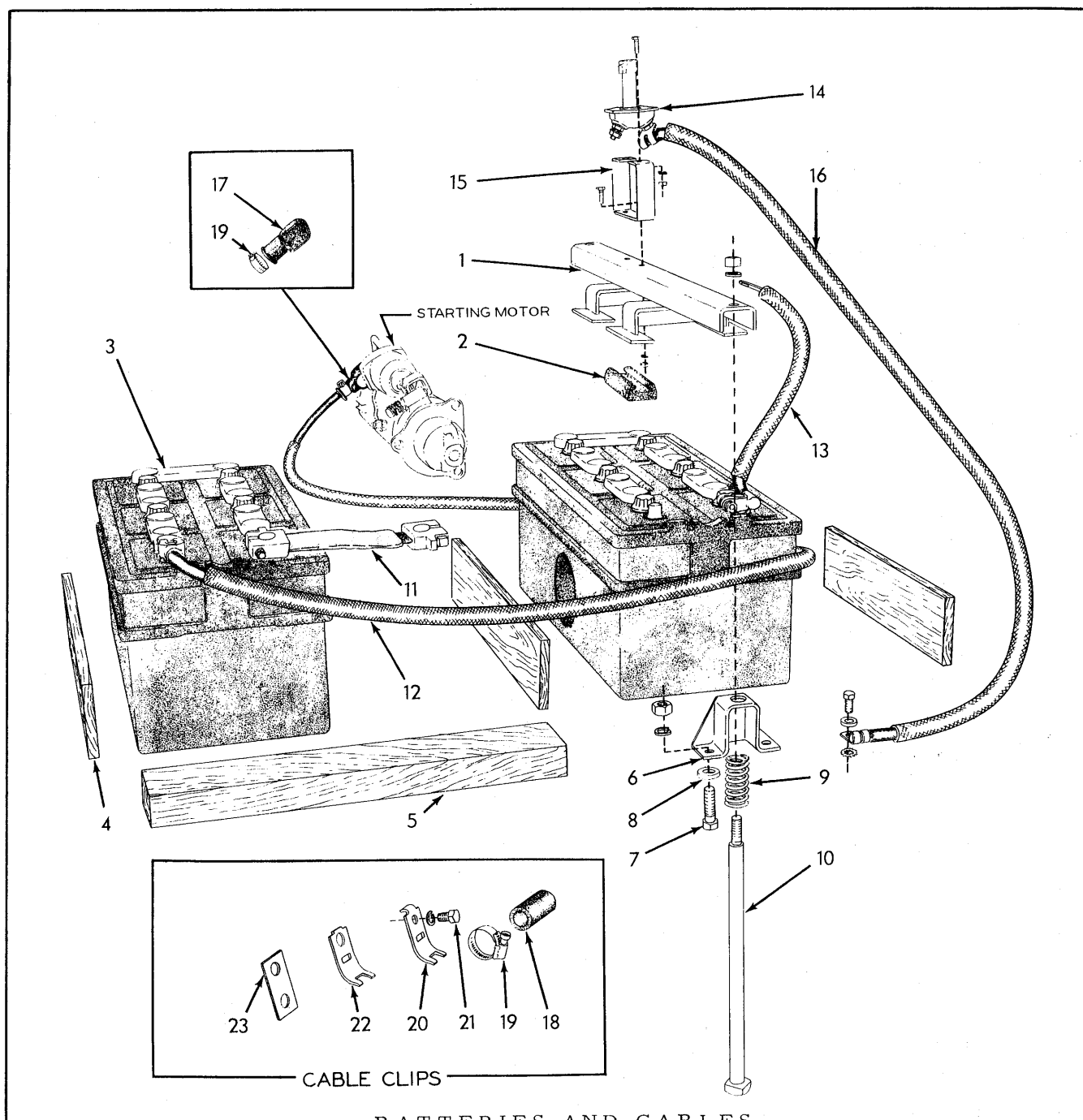
USAGE: Tractors serial No. 6069 and up

* Used prior to tractor serial No. 6427

** Effective with tractor serial No. 6427

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	097030	2	2	ΔLIGHT ASSEMBLY, head (See page 296 for parts)(Used prior to August 1963. Order LIGHT ASSEMBLY 638283)
	638283	-	2	ΔLIGHT ASSEMBLY, head (See page 297 for parts)(Effective August 1963)
	900818	2	2	ΔWASHER, plain, U. S. std., 1/2"
	904208	2	2	ΔLOCKWASHER, 1/2"
	911043	2	2	ΔNUT, 1/2"NF
2	075535	2	2	ΔWASHER, head light mounting
3	093195	2	2	ΔBRACKET, head light mounting
4	035336	4	4	ΔCAPSCREW, 3/8"NF x 1-3/4"
	904206	4	4	ΔLOCKWASHER, 3/8"
5	044973	4	4	ΔWASHER, plain, head light bracket capscREW
6	091172	1	1	ΔCABLE, head lights to main wiring harness
7	048142	1	1	CONNECTOR, head light cable
8	091161	1	-	HARNESS, main wiring
	620323	-	1	HARNESS, wiring, lights and generator
9	208960	1	1	FUSE, 1/4" x 1-1/4", 20 amp.
10	083920	1	1	SWITCH (Includes mounting nuts)
11	620324	-	1	HARNESS, wiring, starter and instruments
12	047381	-	3	CLIP, wiring harness (5/8" diam., 13/32" bolt-hole)
	035979	-	1	CAPSCREW, 3/8"NF x 5/8"
	904206	-	1	LOCKWASHER, 3/8"
13	043344	-	1	CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
	905274	-	1	CAPSCREW, 1/2"NC x 3/4"
	904208	-	1	LOCKWASHER, 1/2"
14	040796	5	5	CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)
	035979	4	3	CAPSCREW, 3/8"NF x 5/8" (Early units)
	903628	-	3	CAPSCREW, 3/8"NC x 5/8" (Late units)
	036039	1	1	CAPSCREW, 3/8"NF x 1-3/8"
	904206	5	4	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
15	235794	6	7	CLIP, head light cable (1/4" diam., 13/32" bolt-hole)
	035979	4	5	CAPSCREW, 3/8"NF x 5/8"
	904206	4	5	LOCKWASHER, 3/8"
16	638243	-	1	TIP, cable socket (rubber)(Used only on units without headlights)

NOTE: Items indicated by triangle (Δ) above are optional equipment effective May 1963

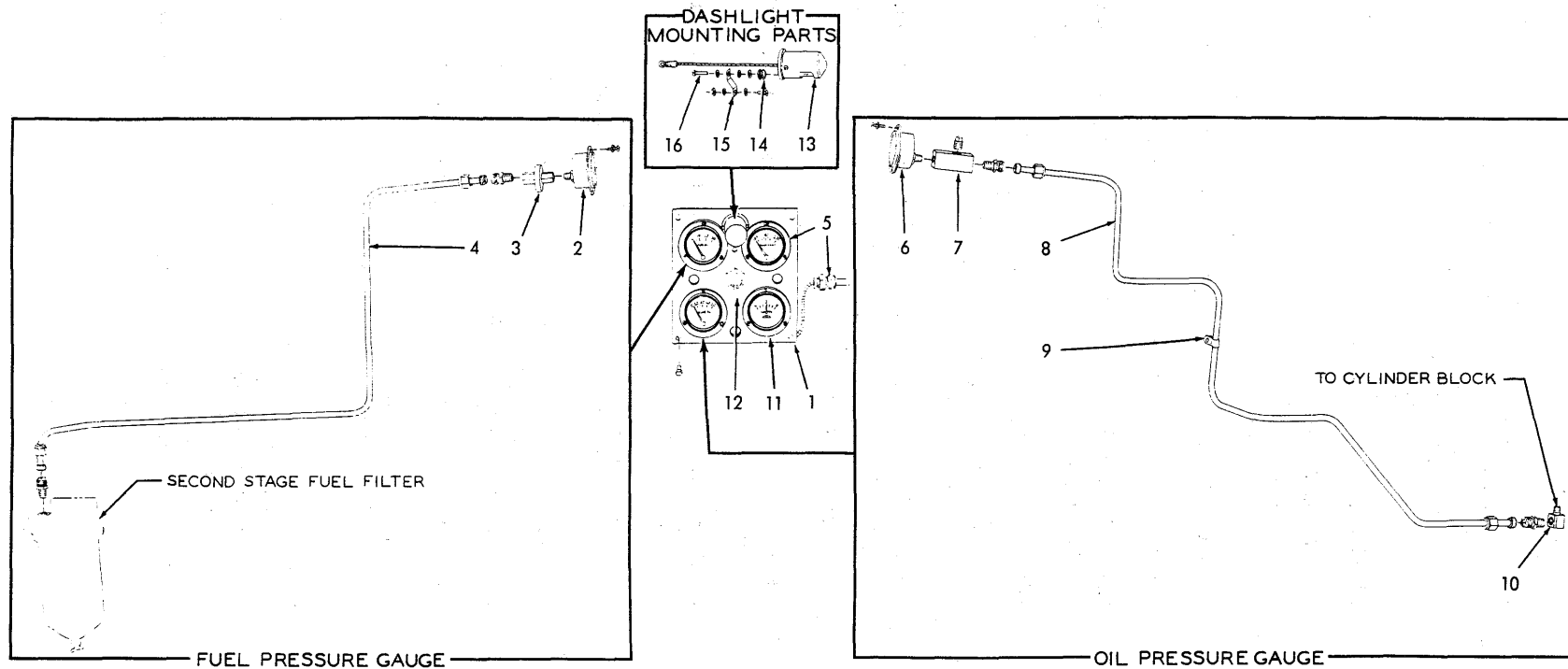


ITEM	PART NUMBER	QTY.	DESCRIPTION
1	052782	2	HOLD-DOWN, battery
2	052791	8	BLOCK, hold-down (rubber)
3	-----	2	BATTERY, storage, 12 volts, 21 plates (AUTOLITE #6DA-172. Order from local battery dealer)
4	-----	-	BOARD, side (Procure locally as required)
5	-----	-	BOARD, bottom (Procure locally as required)

(Continued)

BATTERIES AND CABLES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	081867	4	BRACKET, hold-down bolt
7	035236	8	CAPSCREW, 1/2"NC x 1-3/4"
8	064531	8	WASHER, plain
	904208	8	LOCKWASHER, 1/2"
	911028	8	NUT, 1/2"NC
9	081404	4	SPRING, hold-down bolt
10	075322	4	BOLT, hold-down
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
11	644648	1	STRAP, battery connecting (6-1/2" long)
12	089642	1	CABLE, battery to starter (112" long)
13	096918	1	CABLE, battery to master switch (15-1/2" long) (Effective with tractor #6069)
14	096908	1	SWITCH ASSY., master (Serviced only as a unit)(Effective with tr. #6069)
	912789	2	CAPSCREW, 1/4"NF x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
15	096913	1	BRACKET, master switch (Effective with tractor #6069)
	912789	2	CAPSCREW, 1/4"NF x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
16	089641	1	CABLE, battery to ground (36" long)(Used prior to tractor #6069)
	097063	1	CABLE, master switch to ground (49" long)(Effective with tractor #6069)
	900817	1	WASHER, plain, U.S. std., 3/8"
	915898	1	LOCKWASHER, int-ext-tooth, 3/8"
17	076572	1	BOOT, protecting, starter terminal
18	076469	9	BOOT, cable protecting
19	921912	10	CLAMP, cable boot (adjustable, 1-1/16" to 2")
20	633653	3	CLIP, cable supporting
21	903628	1	CAPSCREW, 3/8"NC x 5/8"
	904206	1	LOCKWASHER, 3/8"
22	084895	4	CLIP, cable supporting
	070467	1	CAPSCREW, 1/2"NF x 1"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
23	621995	1	PLATE, cable supporting (Effective with tractor #6069)

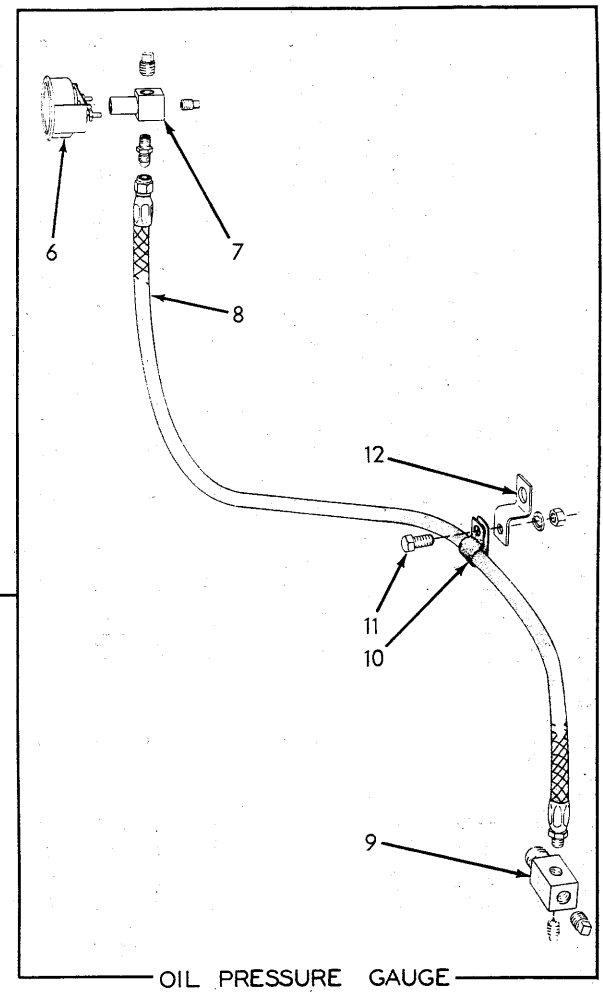
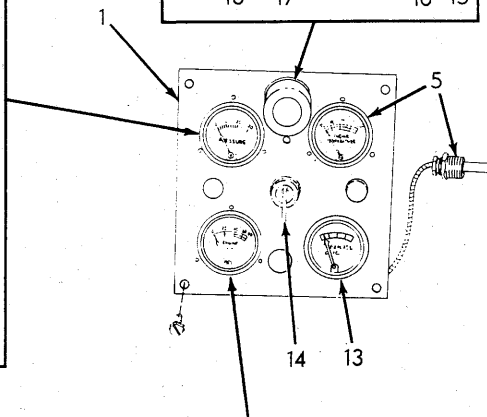
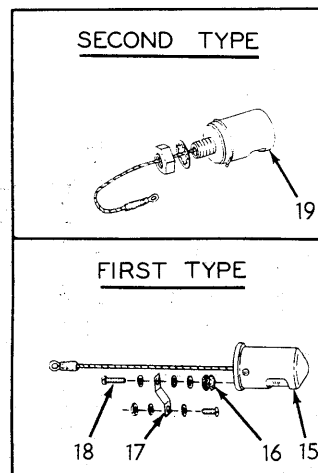
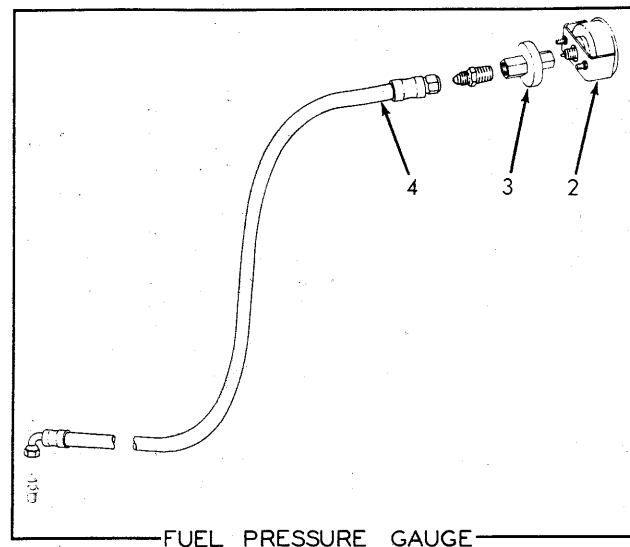


INSTRUMENTS (First type)

INSTRUMENTS

USAGE: Model HD11G tractors prior to serial No. 4415

ITEM	PART NO.	QTY.	DESCRIPTION
1	084909	1	PLATE, instrument mounting
	917803	4	SCREW, thread-cutting, 1/4"NC x 5/8" (Includes lockwasher)
	921113	1	PLUG, button, 11/16" hole-diam. (Not used when Engine Primer or Air Heater is installed)
2	-----	1	GAUGE, fuel pressure (Order GAUGE 091589)
	918210	3	SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)
3	069674	1	RESTRICTOR, fuel pressure gauge line
4	{ 087368	1	TUBE, fuel pressure gauge (Used prior to tractor #1955)
		1	TUBE, fuel pressure gauge (Effective with tractor #1955)
	915368	2	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
5	-----	1	GAUGE, engine temperature (Order GAUGE 630792)
	918210	3	SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)
6	-----	1	GAUGE, engine oil pressure (Order GAUGE 091585)
	918210	3	SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)
7	-----	1	TEE, oil pressure gauge (female, 1/4"NPT side, 1/4"NPT and 1/8"NPT ends)(Order 1 each, TEE 094450, PLUG 901651 and ADAPTER 910856)
	901652	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
8	087369	1	TUBE, oil pressure gauge
	915368	2	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	918325	2	NUT, Sealastic, 3/8" tube
	915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
9	052917	1	CLIP, oil pressure gauge tube (3/8" diam., 17/32" bolt-hole)
10	047852	1	ELBOW, oil pressure gauge tube (90°, 1/8"NPT male, 1/4"NPT female)
11	-----	1	AMMETER (Order AMMETER 091588)
	918210	3	SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)
12	-----	1	SWITCH (See LIGHTS AND WIRING)
13	083990	1	LIGHT ASSEMBLY, instrument panel (See page 310 for parts)(Order 1 each LIGHT ASSEMBLY 095257, LOCKWASHER 910334 and NUT 911049)
14	083987	3	GROMMET, panel light mounting (rubber)
15	083989	1	STRAP, panel light ground
	900558	1	SCREW, machine, #10-32NF x 1/2"
	906957	2	LOCKWASHER, internal teeth, #10
	910251	1	NUT, machine screw, #10-32NF
16	083988	3	SCREW, panel light mounting
	910243	3	WASHER, plain, SAE std., #10
	906957	4	LOCKWASHER, internal teeth, #10



INSTRUMENTS (Second type)

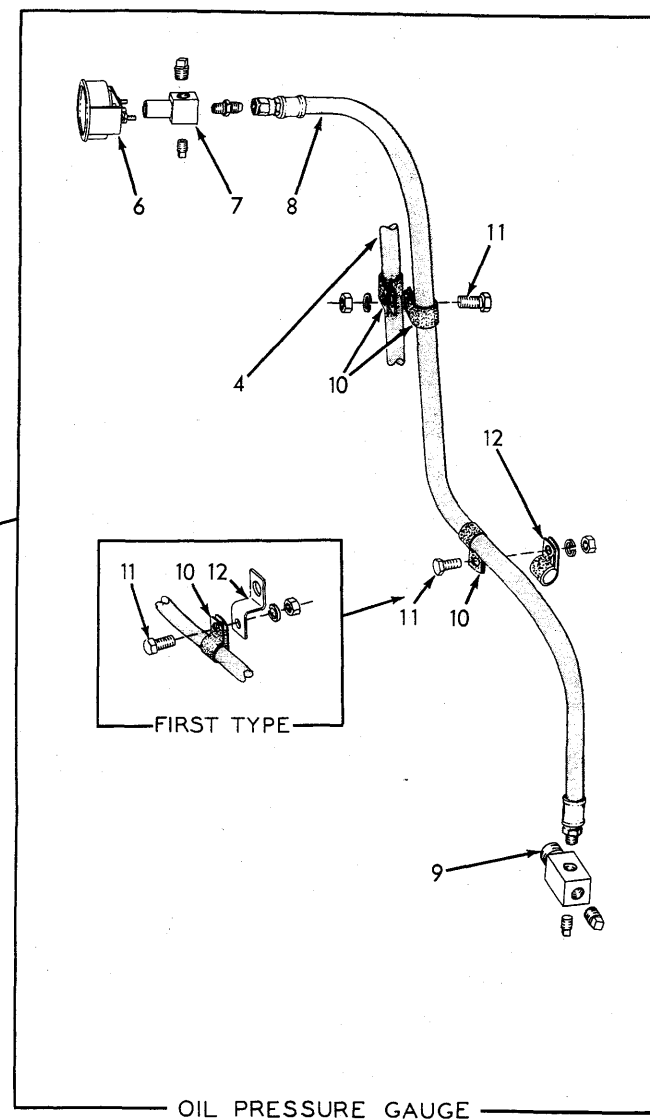
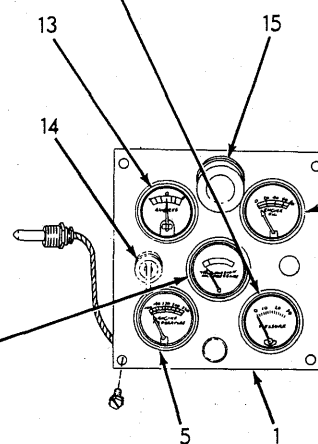
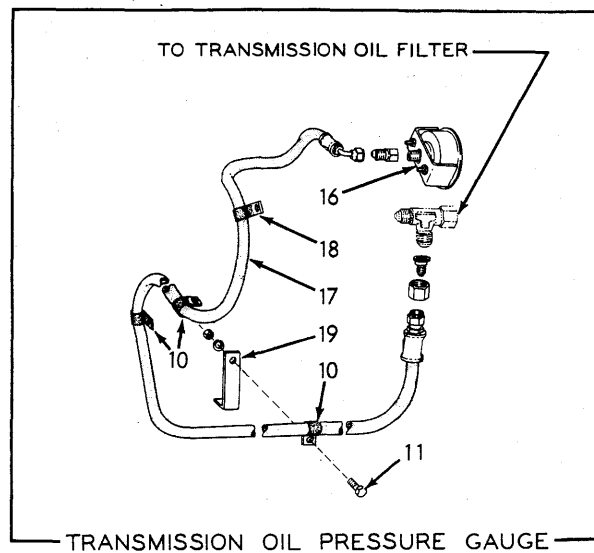
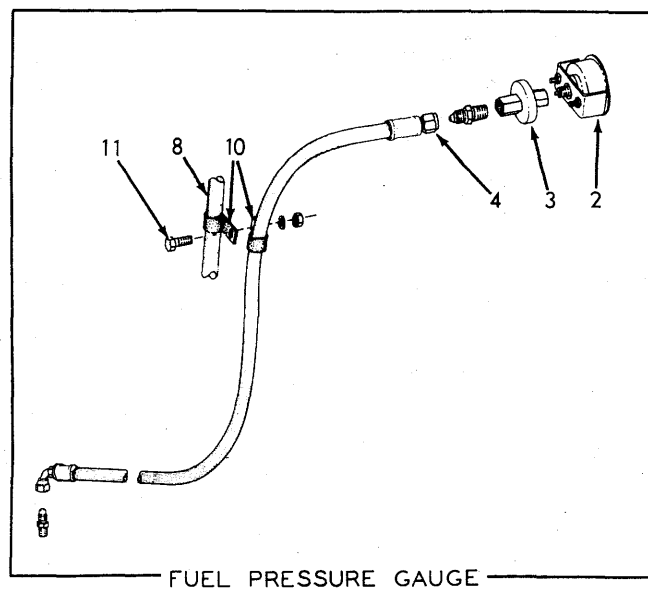
INSTRUMENTS

USAGE: Model HD11G tractors serial No. 4415 thru No. 6472

ITEM	PART NO.	QTY.	DESCRIPTION
1	084909	1	PLATE, instrument mounting
	917803	4	SCREW, thread-cutting, 1/4"NC x 5/8" (Includes lockwasher)
	921113	1	PLUG, button, 11/16" hole-diam. (Not used when Engine Primer or Air Heater is installed)
2	091589	1	GAUGE, fuel pressure (Includes mounting clamp)
3	069674	1	RESTRICTOR, fuel pressure gauge line
4	644697	1	HOSE, fuel pressure gauge (See page 6)
	919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
5	630792	1	GAUGE, engine temperature (Includes mounting clamp)
6	091585	1	GAUGE, engine oil pressure (Includes mounting clamp)
7	094450	1	TEE, oil pressure gauge
	901652	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
	901651	1	PLUG, pipe, 1/8"NPT
8	094703	1	HOSE ASSEMBLY, oil pressure gauge (See page 6 for parts)
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
9	096067	1	TEE, oil pressure gauge hose (at cylinder block)
	901652	1	PLUG, pipe, 1/4"NPT
	901651	1	PLUG, pipe, 1/8"NPT
10	094527	3	CLIP, hose supporting
11	036032	2	CAPSCREW, 3/8"NF x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
12	094692	1	BRACKET, supporting, oil pressure gauge hose
13	091588	1	AMMETER (Includes mounting clamp)
14	-----	1	SWITCH (See LIGHTS AND WIRING)

NOTE: Items 15 thru 18 comprise the FIRST TYPE PANEL LIGHT used prior to tractor serial No. 4535

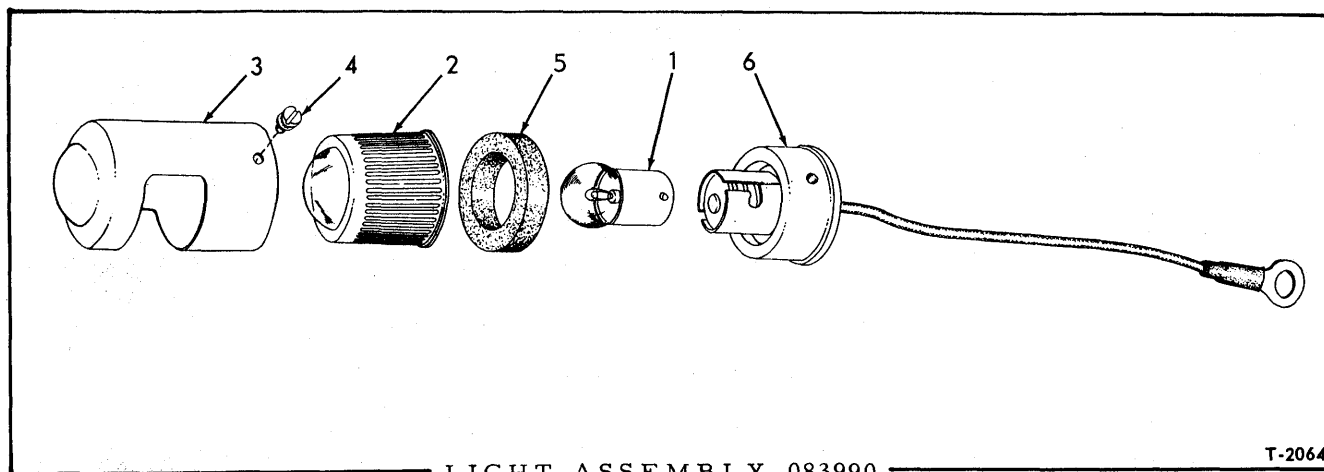
15	083990	1	LIGHT ASSEMBLY, instrument panel (See page 310 for parts)(Order 1 each LIGHT ASSEMBLY 095257, LOCKWASHER 910334 and NUT 911049)
16	083987	3	GROMMET, panel light mounting (rubber)
17	083989	1	STRAP, panel light ground
	900558	1	SCREW, machine, #10-32NF x 1/2"
	906957	2	LOCKWASHER, internal teeth, #10
	910251	1	NUT, machine screw, #10-32NF
18	083988	3	SCREW, panel light mounting
	910243	3	WASHER, plain, SAE std., #10
	906957	4	LOCKWASHER, internal teeth, #10
19	095257	1	LIGHT ASSEMBLY, instrument panel (See page 310 for parts)(Effective with tractor serial No. 4535)
	910334	1	LOCKWASHER, internal teeth, 5/8"
	911049	1	NUT, jam, 5/8"NF



INSTRUMENTS

USAGE: Tractors serial No. 6473 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	621976	1	PLATE, instrument mounting
	917803	4	SCREW, thread cutting, 1/4" NC x 5/8" (Includes lockwasher)
	921113	1	PLUG, button, 11/16" hole-diam. (Not used when Engine Primer or Air Heater is installed)
2	091589	1	GAUGE, fuel pressure (Includes mounting clamp)
3	069674	1	RESTRICTOR, fuel pressure gauge line
4	644697	1	HOSE, fuel pressure gauge (See page 6)
	919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
5	630792	1	GAUGE, engine temperature (Includes mounting clamp)
6	091585	1	GAUGE, engine oil pressure (Includes mounting clamp)
7	094450	1	TEE, oil pressure gauge
	901652	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
	901651	1	PLUG, pipe, 1/8"NPT
8	094703	1	HOSE ASSEMBLY, oil pressure gauge (See page 6 for parts)
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
9	096067	1	TEE, oil pressure gauge hose (at cylinder block)
	901652	1	PLUG, pipe, 1/4"NPT
	901651	1	PLUG, pipe, 1/8"NPT
10	094527	6	CLIP, hose supporting
11	036032	3	CAPSCREW, 3/8"NF x 3/4"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF
12	094692	1	BRACKET, hose supporting (Used prior to tractor #8311)
	635547	1	CLIP, hose supporting (Effective with tractor #8311)
13	091588	1	AMMETER (Includes mounting clamp)
14	-----	1	SWITCH (See LIGHTS AND WIRING)
15	095257	1	LIGHT ASSEMBLY, instrument panel (See page 310 for parts)
	910334	1	LOCKWASHER, internal teeth, 5/8"
	911049	1	NUT, jam, 5/8"NF
16	641809	1	GAUGE, transmission oil pressure (Includes mounting clamp)
17	647916	1	HOSE, transmission oil pressure gauge (See page 6)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	921277	1	REDUCER, flare type, 1/2" tube to 1/4" tube
	919068	1	NUT, flare type, 1/2" tube
18	622161	1	CLIP, transmission oil gauge hose (long type)
19	621984	1	ANGLE, supporting, transmission oil gauge hose

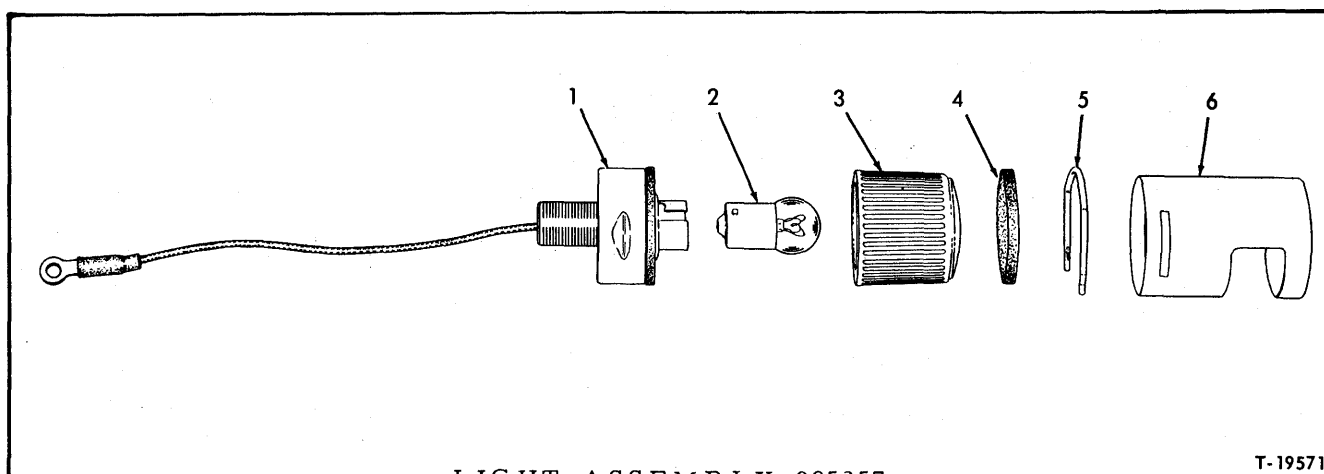


LIGHT ASSEMBLY 083990

T-2064

USAGE: See page 305 and 307

ITEM	PART NO.	QTY.	DESCRIPTION
1	074452	1	BULB, incandescent, single contact, 6 c.p., 24 volts
2	040974	1	GLASS
3	040973	1	COVER, bulb
4	044211	2	SCREW
5	040969	1	GASKET, bulb cover
6	-----	-	BASE ASSEMBLY (Not serviced separately)

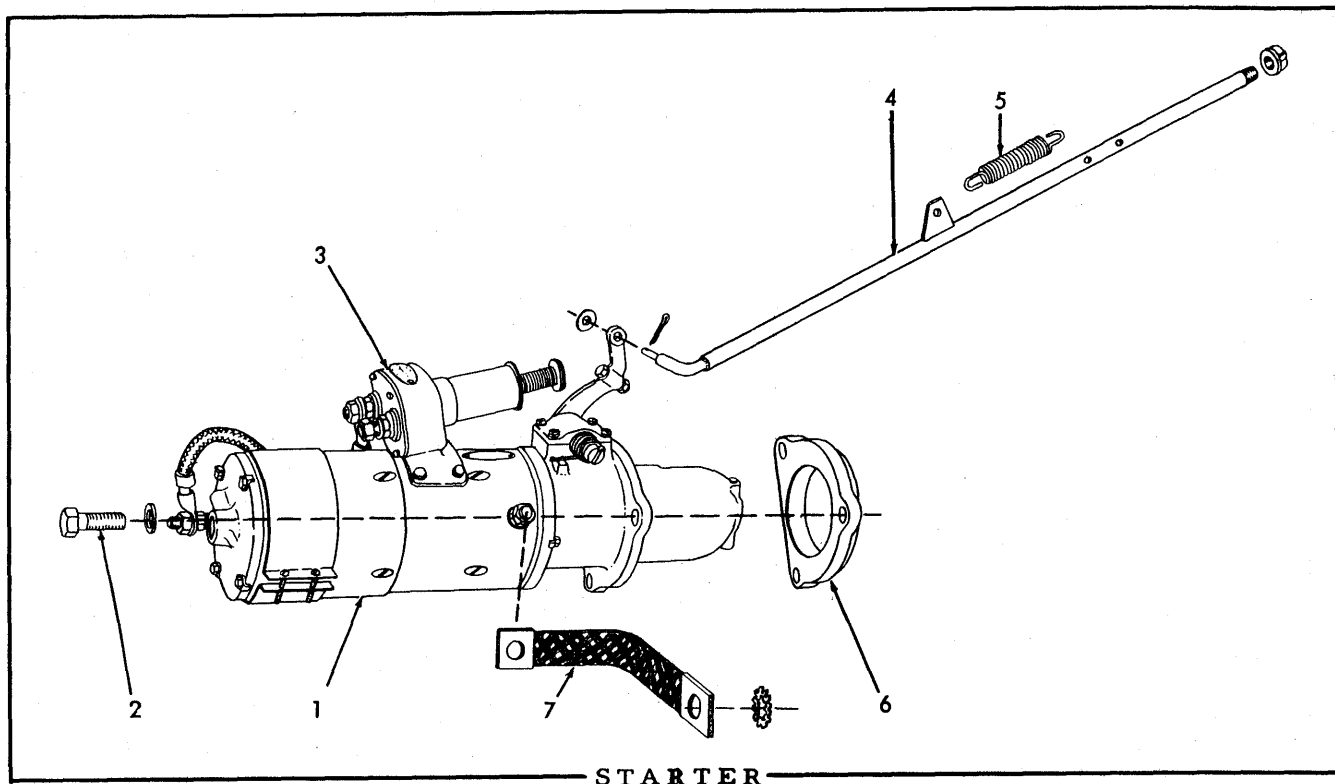


LIGHT ASSEMBLY 095257

T-19571

USAGE: See pages 307 and 309

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BASE ASSEMBLY (Not serviced separately)
2	074452	1	BULB, incandescent, single contact, 6c. p., 24 volts
3	095267	1	LENS
4	095268	1	GASKET
5	095265	1	SPRING, cover retaining
6	095269	1	COVER



USAGE: Model HD11G tractors prior to serial No. 6069

ITEM PART NO. QTY. DESCRIPTION

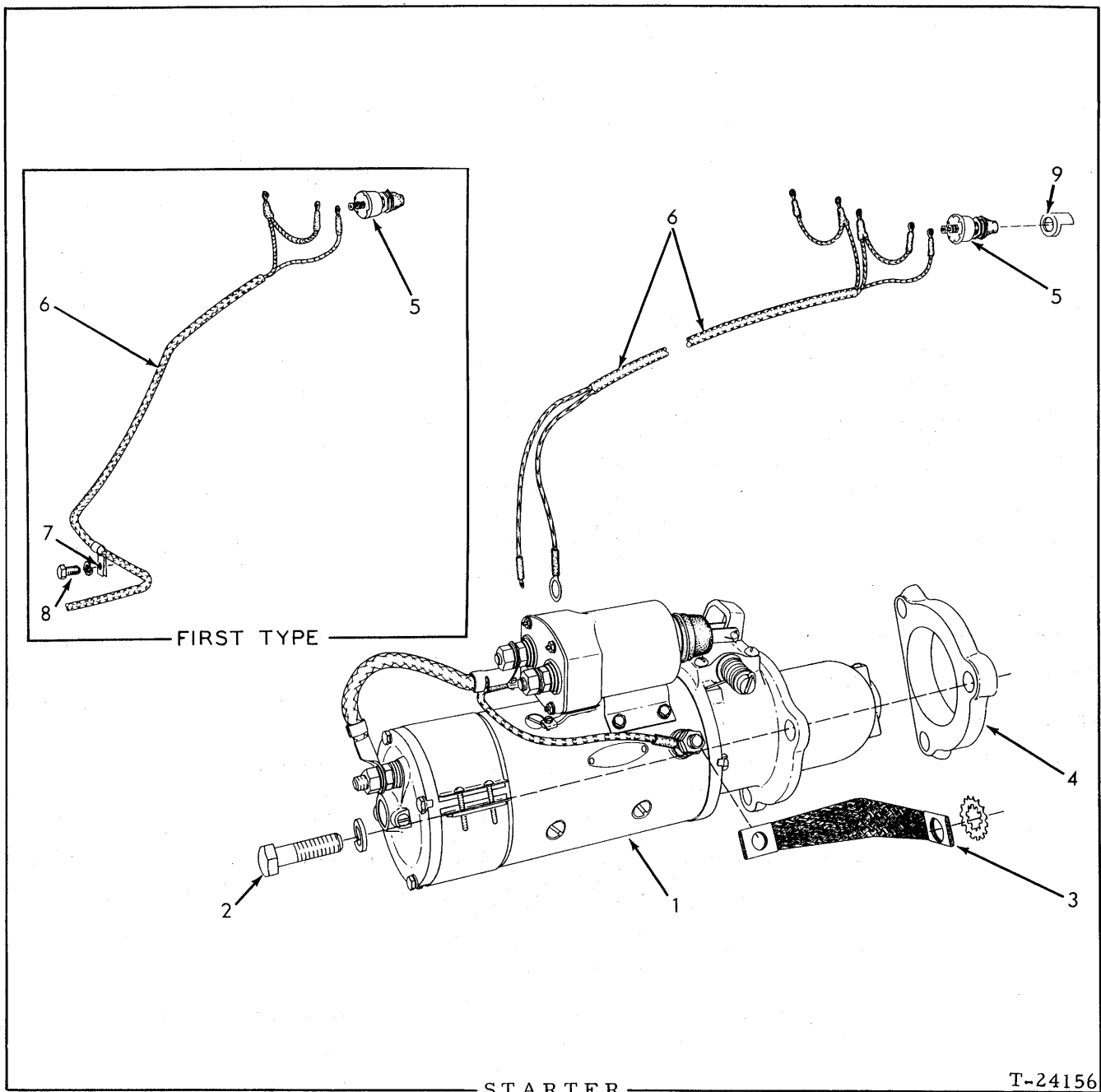
1	-----	1	MOTOR, starting (DELCO-REMY #1113737. Was formerly #1109881)(Used on tractors prior to #1215 and on tractors #1357 thru #1574)
	-----	1	MOTOR, starting (DELCO-REMY #1113715. Was formerly #1109862)(Used on tractors #1215 thru #1356; and 1575 and up)

Order STARTER
KIT 654507

2	023755	3	CAPSCREW, 5/8"NC x 2-1/4"
	904209	3	LOCKWASHER, 5/8"

NOTE: Each starting motor listed above includes item 3. Order parts from local United Motors Service Agency.

3	034924	1	SWITCH, starting motor (DELCO-REMY #1857074. Order parts from local United Motors Service Agency)
4	090466	1	ROD, operating
	901752	1	CAP, pipe, 3/8"NPT
	910335	1	WASHER, plain, SAE std., 5/16"
	904001	1	PIN, cotter, 3/32" x 1/2"
5	043881	1	SPRING, operating rod (Effective with tractor #1562)
6	4346320	1	ADAPTER, starting motor
7	082178	1	STRAP, starter to ground
	915942	1	LOCKWASHER, int-ext-tooth, 5/8"



USAGE: Model HD11G tractors serial No. 6069 thru No. 6573

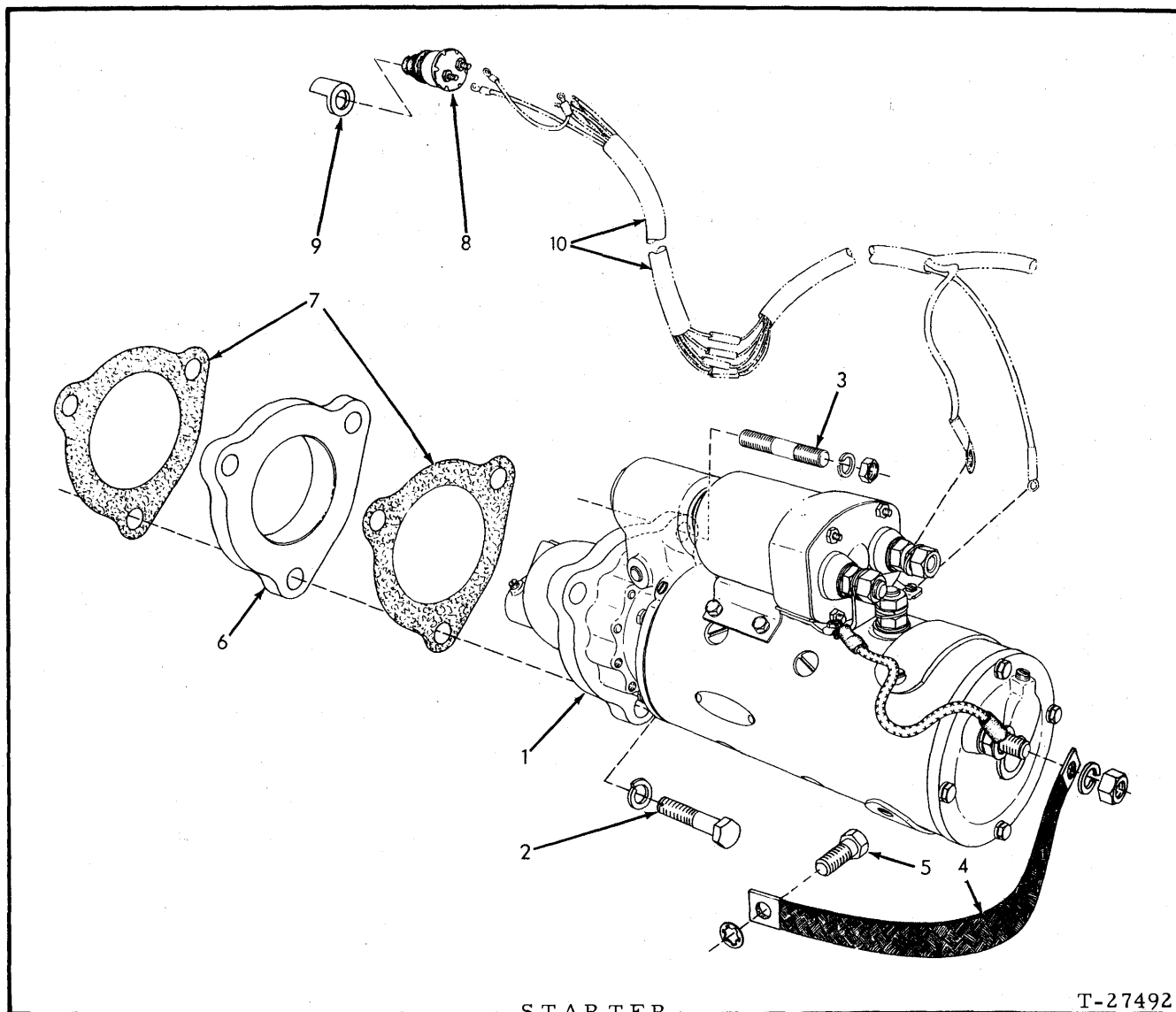
* Used prior to tractor serial No. 6427
 ** Effective with tractor serial No. 6427

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	MOTOR, starting (Delco-Remy No. 1113834. Order parts from local United Motors Service agency) (Order MOTOR 4387529)
2	023755	3	3	CAPSCREW, 5/8"NC x 2-1/4"
	904209	3	3	LOCKWASHER, 5/8"

(Continued)

STARTER (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
3	082178	1	1	STRAP, starter to ground (8" long) (Original equipment)
	633334	1	1	STRAP, starter to ground (16" long) (Not original equipment)
	915942	1	1	LOCKWASHER, int-ext-tooth, 5/8"
4	4346320	1	1	ADAPTER, starting motor
5	240962	1	1	SWITCH ASSEMBLY, push-button (Includes mounting nut)
6	098910	1	-	HARNESS, wiring
	-----	-	1	HARNESS, wiring (See LIGHTS AND WIRING)
7	040796	2	-	CLIP, wiring harness
8	036039	1	-	CAPSCREW, 3/8"NF x 1-3/8"
	904206	1	-	LOCKWASHER, 3/8"
	911041	1	-	NUT, 3/8"NF
9	634677	1	1	GUARD, starter switch



USAGE: All Model HD11GC tractors; also Model HD11G tractors serial No. 6574 and up

ITEM PART NO. QTY. DESCRIPTION

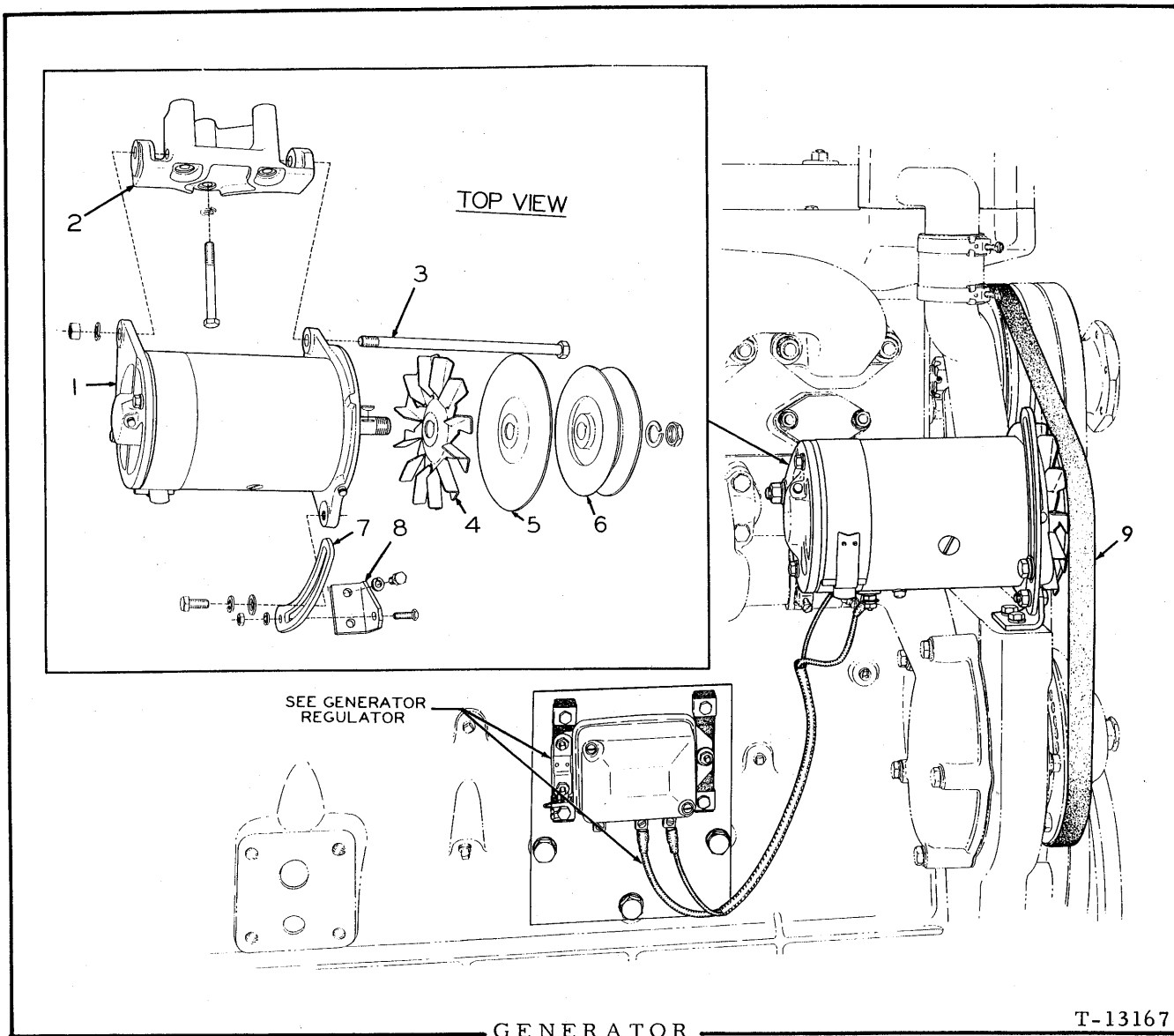
1	-----	1	MOTOR, starting (Delco-Remy No. 1113900)(Original equipment. Order MOTOR 4387529)
	4387529	1	MOTOR, starting (Delco-Remy No. 1113898. Was formerly No. 1113895)(Not original equipment)
2	621456	2	CAPSCREW, Nylok, 5/8"NC x 2-1/2
3	648262	1	STUD, Nylok, 5/8"NF x 3-1/8"
	911044	1	NUT, 5/8"NF
	904209	3	LOCKWASHER, 5/8"

NOTE: Order starting motor parts from local United Motors
Service agency

(Continued)

STARTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	623545	1	STRAP, starter to ground
	906961	1	LOCKWASHER, int-tooth, 1/2"
5	-----	-	CAPSCREW (See STEERING CONTROL)
6	621278	1	ADAPTER, starting motor
7	620420	2	GASKET, starting motor adapter
8	240962	1	SWITCH ASSEMBLY, push button (Includes mounting nut)
9	634677	1	GUARD, starter switch
10	-----	1	WIRING HARNESS (See LIGHTS AND WIRING)



T-13167

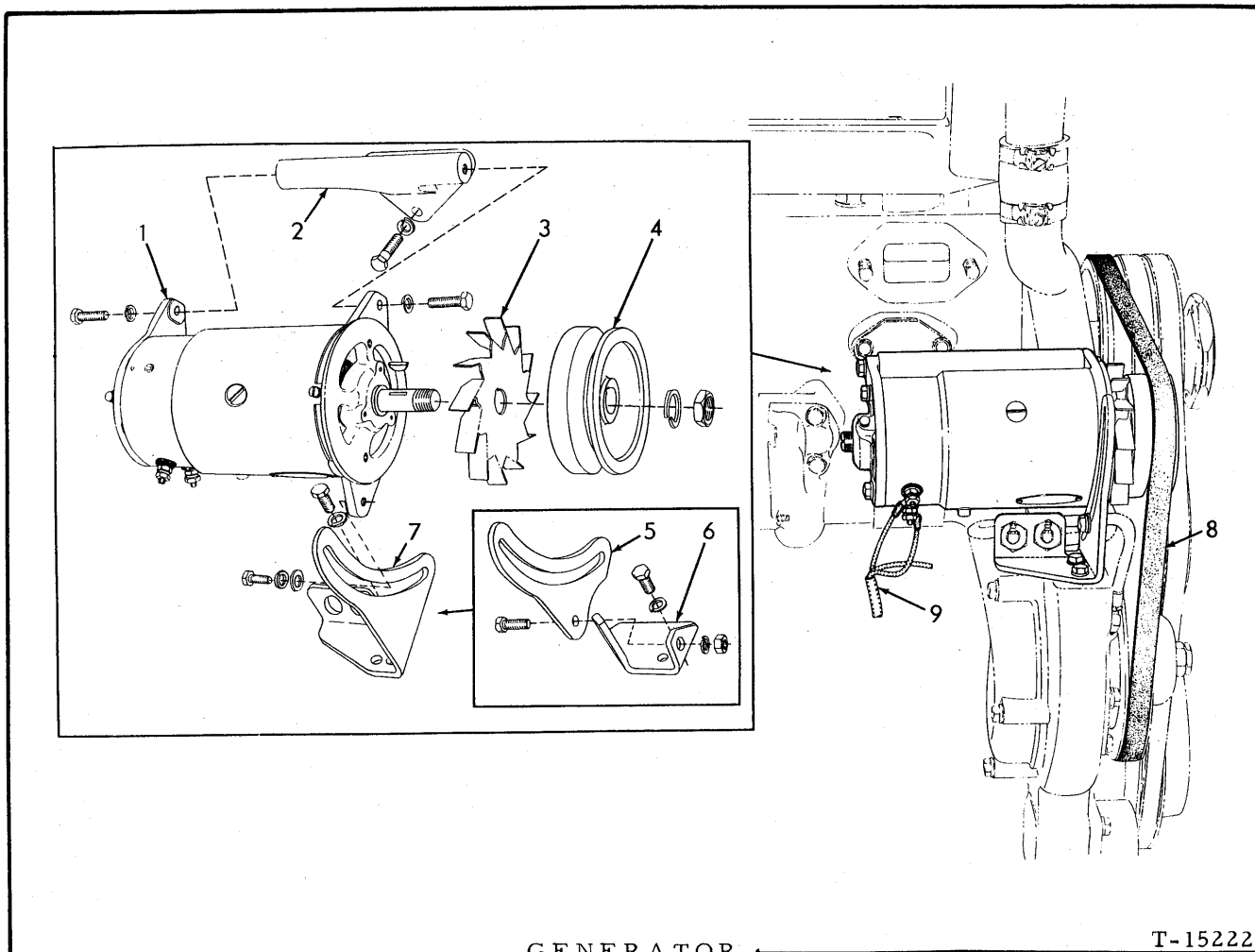
USAGE: Model HD11G only. Engines prior to serial No. 89498

ITEM	PART NO.	QTY.	DESCRIPTION
1	4347982	1	GENERATOR (Includes key, nut and washer for pulley)(DELCO-REMY #1105988. Was formerly #1105976. Order parts from local United Motors Service Agency)
2	4348145	1	BRACKET, generator mounting
	919227	3	CAPSCREW, 3/8"NC x 3-1/4"
	904206	3	LOCKWASHER, 3/8"
3	4348276	1	CAPSCREW, generator hinge (7/16"NF x 8-5/8")
	904207	1	LOCKWASHER, 7/16"
	910986	1	NUT, 7/16"NF
4	4374148	1	FAN, generator cooling
5	4373121	1	BAFFLE, generator cooling fan
6	4347998	1	PULLEY

(Continued)

GENERATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	4348163	1	LINK, belt adjustment
	915408	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	900817	1	WASHER, plain, U.S. std., 3/8"
	914392	1	CAPSCREW, 5/16"NC x 1"
	904205	1	LOCKWASHER, 5/16"
	911025	1	NUT, 5/16"NC
8	-----	1	BRACKET, belt adjustment link (Used prior to tractor #994. Order BRACKET 089644)(Illustrated)
	089644	1	BRACKET, belt adjustment link (Effective with tractor #994. Also supports fan belt tightener lubricating hose)(Not illustrated)
	915813	2	CAPSCREW, 5/16"NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
9	4335446	1	BELT, generator and water pump



USAGE: Engines serial No. 89498 thru No. 10-7013

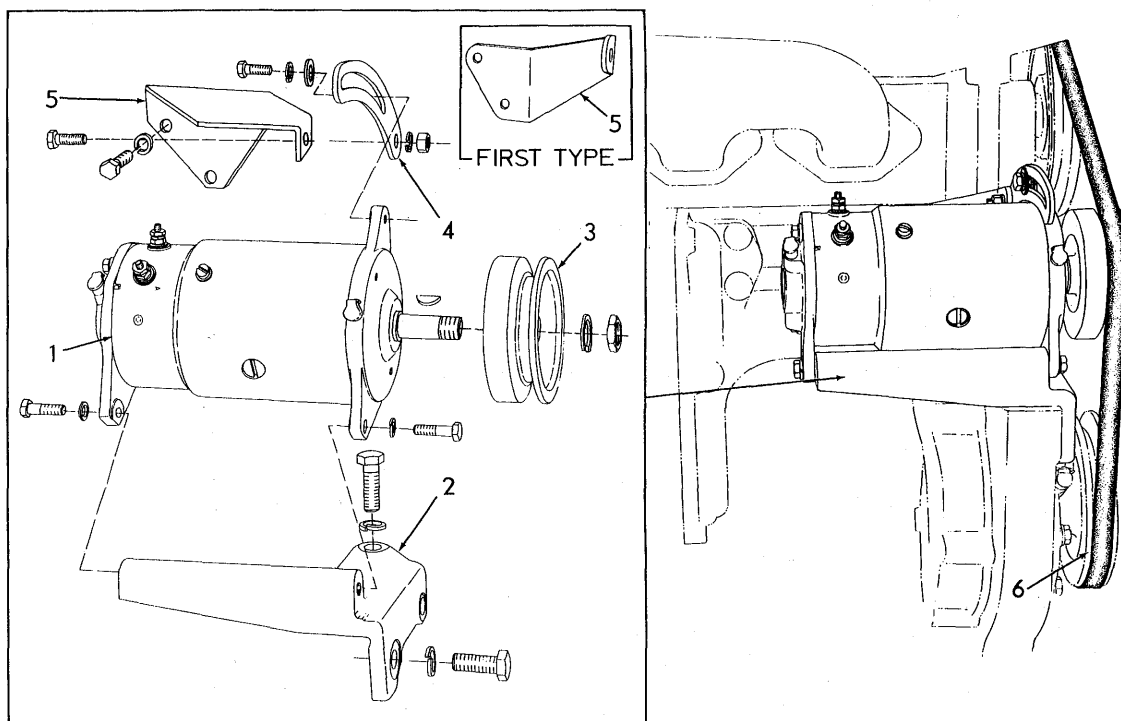
* Model HD11G
 ** Model HD11GC

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4336809	1	1	GENERATOR (10 amp.)(Includes key, nut and washer for pulley) (DELCO-REMY #1103019. Was formerly #1103014. Order parts from local United Motors Service Agency)
	914670	2	2	CAPSCREW, 5/16"NC x 1-1/8"
	904205	2	2	LOCKWASHER, 5/16"
2	4348609	1	1	BRACKET, generator mounting
	903632	3	3	CAPSCREW, 3/8"NC x 1-1/2"
	904206	3	3	LOCKWASHER, 3/8"
3	4513922	1	1	FAN, generator cooling
4	4348619	1	-	PULLEY (5" diam.)(Used prior to engine #11-4855)
	4349676	1	1	PULLEY (4-1/8" diam.)(Effective with engine #11-4855)

(Continued)

GENERATOR (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
5	-----	1	-	LINK, belt adjustment (Used prior to engine #95456. Order item 7)
	915809	1	-	CAPSCREW, 5/16"NC x 3/4"
	914392	1	-	CAPSCREW, 5/16"NC x 1"
	904205	2	-	LOCKWASHER, 5/16"
	901165	1	-	WASHER, plain, U.S. std., 5/16"
	911025	1	-	NUT, 5/16"NC
6	089644	1	-	BRACKET, belt adjustment link (Also serves as support for fan belt tightener lubricating hose) (Used prior to engine #95456)
	915813	2	-	CAPSCREW, 5/16"NC x 7/8"
	904205	2	-	LOCKWASHER, 5/16"
7	4335182	1	1	LINK, belt adjustment (Also serves as support for water pump and fan belt tightener lubricating hoses)(Effective with engine #95456)
	915813	2	2	CAPSCREW, 5/16"NC x 7/8"
	915809	1	1	CAPSCREW, 5/16"NC x 3/4"
	904205	3	3	LOCKWASHER, 5/16"
	901165	1	1	WASHER, plain, U. S. std., 5/16"
8	{	4335446	1 -	BELT, generator and water pump (Used prior to engine #11-4855)
		4349728	1 -	BELT, generator and water pump (Effective with engine #11-4855)
		4337727	- 1	BELT, generator and water pump
9	{	-----	1 -	HARNESS, wiring (Used prior to tractor #6427. See GENERATOR REGULATOR)
		-----	1 1	HARNESS, wiring (Effective with tractor #6427.. See LIGHTS AND WIRING)



GENERATOR

T-36167

USAGE: Engine serial No. 10-7014 and up

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	GENERATOR ASSEMBLY (Includes key, nut and washer for pulley. Delco-Remy #1103028)(Used prior to engine #10-12973. Order GENERATOR 4058931)
	914392	2	CAPSCREW, 5/16"NC x 1"
	904205	2	LOCKWASHER, 5/16"
	4058931	1	GENERATOR ASSEMBLY (Includes key, nut and washer for pulley. Delco-Remy #1103032)(Effective with engine #10-12973)
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"

NOTE: Order generator parts from local United Motors Service Agency

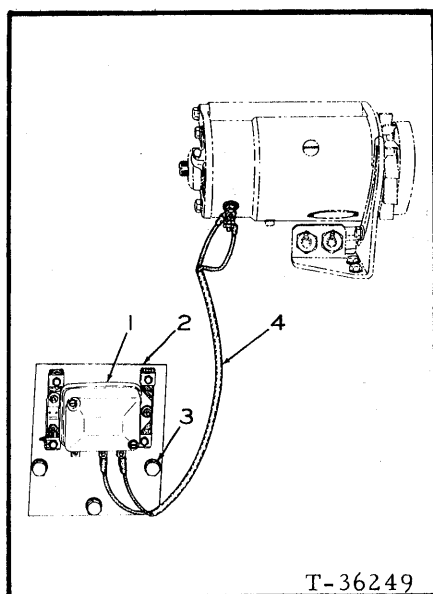
2	4338210	1	BRACKET, generator mounting (Used prior to engine #10-12973)
	4354582	1	BRACKET, generator mounting (Effective with engine #10-12973)
	918683	1	CAPSCREW, 1/2"NC x 1-1/8"
	919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	3	LOCKWASHER, 1/2"

3	4349676	1	PULLEY
---	---------	---	--------

4	4338269	1	BRACE, generator
	915809	2	CAPSCREW, 5/16"NC x 3/4"
	904205	2	LOCKWASHER, 5/16"
	901165	1	WASHER, plain, U.S. std., 5/16"
	910323	1	NUT, 5/16"NC

5	4336173	1	BRACKET, generator brace (Used prior to engine #10-7976)
	4338280	1	BRACKET, generator brace (Effective with engine #10-7976)
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"

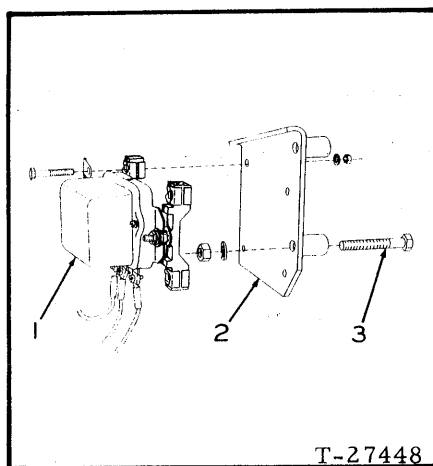
6	4317530	1	BELT, generator and water pump (Model HD11G)
	4338212	1	BELT, generator and water pump (Model HD11GC)



GENERATOR REGULATOR

USAGE: Model HD11G tractors prior to serial No. 6427

ITEM	PART NO.	QTY.	DESCRIPTION
1	184376	1	REGULATOR, voltage and current (Used prior to engine #89498)
	090048	1	REGULATOR, voltage and current (Delco-Remy #1119164. Order parts from local United Motors Service Agency)(Effective with engine #89498)
	912178	4	CAPSCREW, 1/4"NF x 1-1/2"
	904204	4	LOCKWASHER, 1/4"
	911040	4	NUT, 1/4"NF
2	084798	1	PLATE, mounting
3	035221	3	CAPSCREW, 1/2"NC x 1"
	904208	3	LOCKWASHER, 1/2"
4	084802	1	HARNESS, generator to regulator

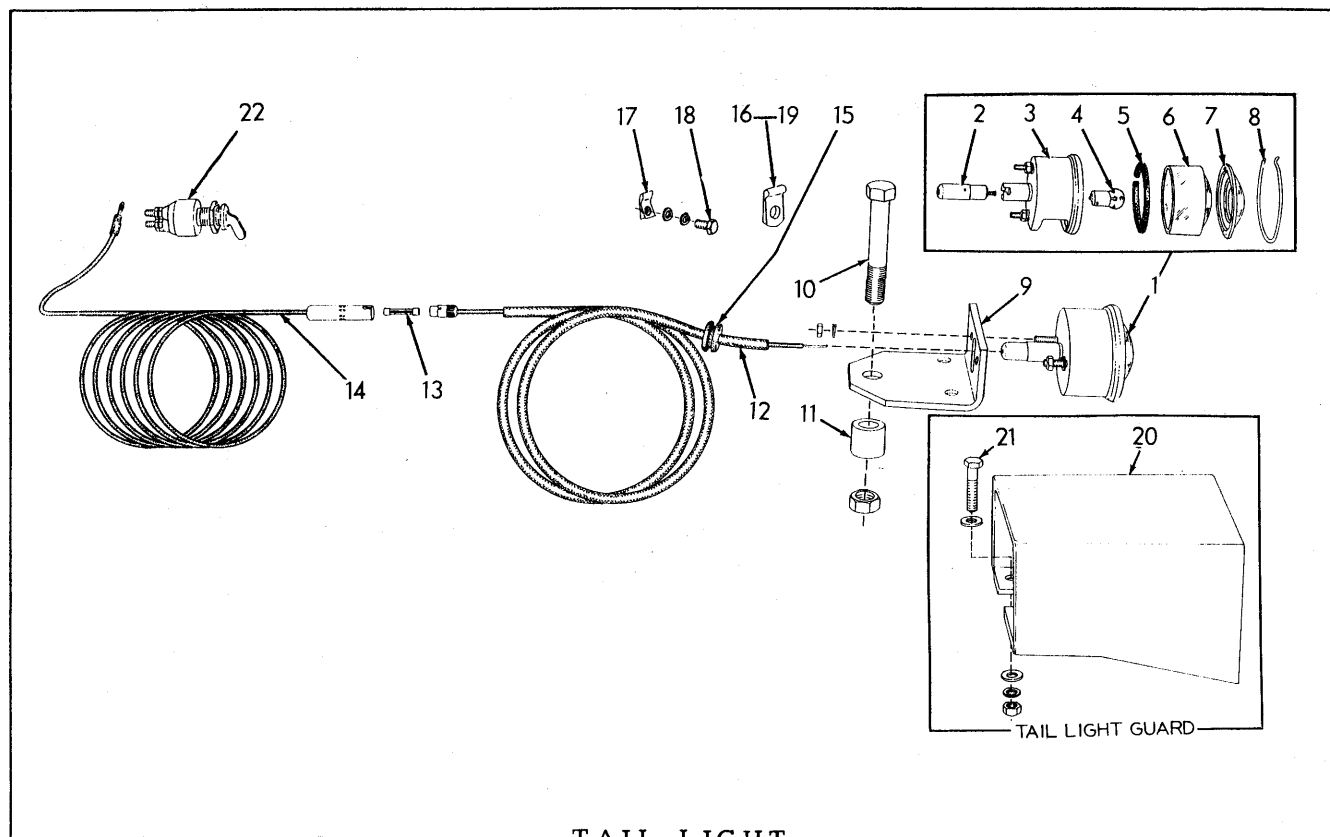


GENERATOR REGULATOR

USAGE: Tractors serial No. 6427 and up

* Model HD11G
** Model HD11GC

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	090048	1	1	REGULATOR, voltage and current (Delco-Remy #1119164. Order parts from local United Motors Service Agency)
	912178	4	4	CAPSCREW, 1/4"NF x 1-1/2"
	904204	4	4	LOCKWASHER, 1/4"
	911040	4	4	NUT, 1/4"NF
2	-----	1	-	PLATE, mounting (Order PLATE 630079 and 2 CAPSCREWS 045174)
	630079	-	1	PLATE, mounting
3	036039	2	-	CAPSCREW, 3/8"NF x 1-3/8"
	045174	-	2	CAPSCREW, 3/8"NF x 2-1/2"
	904206	2	2	LOCKWASHER, 3/8"
	911041	2	2	NUT, 3/8"NF



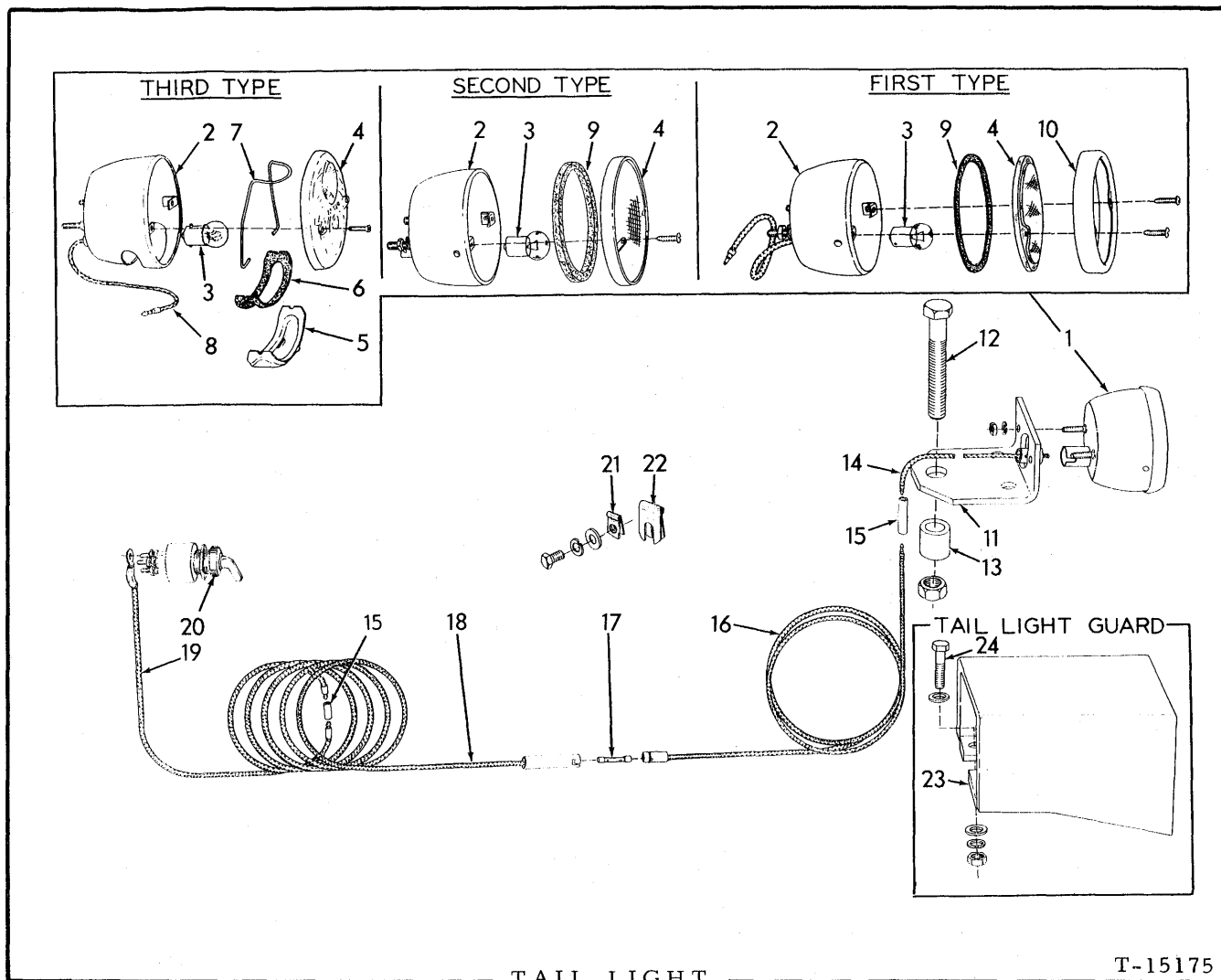
USAGE: Special equipment prior to June 1956. Applicable to all tractors except those equipped with Rear Flood Light

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8) (Order LIGHT ASSEMBLY 654652)
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
2	047307	1	PLUG, cable connecting
3	-----	1	BODY (Not serviced)
4	074452	1	BULB, incandescent, single contact, 6,c.p., 24 volt
5	043713	1	GASKET, glass cup
6	043716	1	CUP (glass)
7	034014	1	LENS (red)
8	212758	1	RING, lens retaining
9	067110	1	BRACKET, mounting
10	034440	1	CAPSCREW, 5/8"NF x 3-1/2"
	911044	1	NUT, 5/8"NF
11	067112	1	BLOCK, spacing, mounting bracket

(Continued)

TAIL LIGHT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	-----	1	CABLE, rear section (50" long)(Order CABLE 089292)
13	208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
14	085412	1	CABLE, front section (70" long)
15	-----	1	GROMMET, cable protecting (For tractors with Cab)
16	200479	2	CLIP, front cable (3/16" diam., 13/32" bolt-hole)
17	235794	1	CLIP, rear cable (1/4" diam., 13/32" bolt-hole)
18	035979	1	CAPSCREW, 3/8"NF x 5/8"
	904206	1	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
19	044044	1	CLIP, rear cable (1/4" diam., 17/32" bolt-hole)
20	647139	1	GUARD, tail light
21	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	044973	4	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
22	-----	1	SWITCH (See LIGHTS AND WIRING)



TAIL LIGHT

T-15175

USAGE: Special equipment effective June 1956. Applicable to all tractors except those equipped with Rear Flood Light

* Tractors prior to serial No. 6929

** Tractors serial No. 6929 and up. Discontinued approx. April 1966

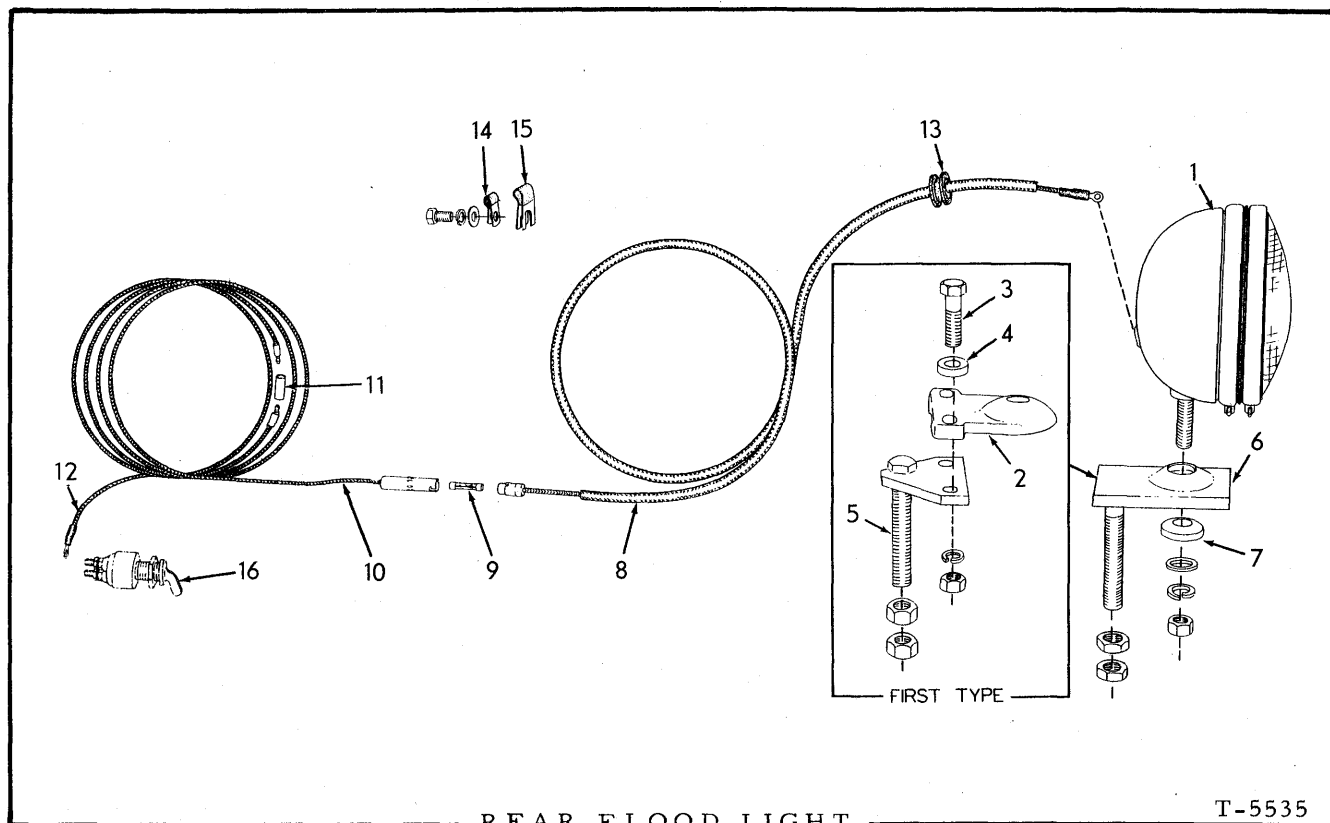
*** Effective approx. April 1966

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	-----	1	-	-	LIGHT ASSEMBLY, tail (Order LIGHT ASSEMBLY 654652)
	-----	-	1	-	LIGHT ASSEMBLY, tail (Order LIGHT ASSEMBLY 654652)
	654652	-	-	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8)
	904204	2	2	2	LOCKWASHER, 1/4"
	911024	2	2	2	NUT, 1/4"NC
2	-----	1	1	1	BODY ASSEMBLY, (Not serviced separately)
3	074452	1	1	1	BULB, incandescent, single contact, 6 c. p., 24 volt

(Continued)

TAIL LIGHT (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
4	068405	1	-	-	LENS, tail light (3-1/2" O. D.)
	629188	-	1	-	LENS, tail light (3-11/16" O. D.)
	917883	-	2	-	SCREW, thread-cutting, rd-hd., #8 x 5/8"
	654991	-	-	1	LENS, tail light (red)
	654990	-	-	2	SCREW, retaining
5	654988	-	-	1	LENS-SEGMENT, tail light (clear)
6	654989	-	-	1	GASKET, lens-segment
7	654987	-	-	1	CLIP, lens-segment retaining
8	654986	-	-	1	WIRE ASSEMBLY, tail light (Includes insulating bushing)
9	068399	1	-	-	GASKET, tail light lens (1/16" thick)
	629189	-	1	-	GASKET, tail light lens (3/16" thick)
10	068404	1	-	-	DOOR, tail light
	917883	2	-	-	SCREW, thread-cutting, rd-hd., #8 x 5/8"
11	067110	1	1	1	BRACKET, tail light mounting
12	034440	1	1	1	CAPSCREW, 5/8"NF x 3-1/2"
	911044	1	1	1	NUT, 5/8"NF
13	067112	1	1	1	BLOCK, spacing, mounting bracket
14	630148	-	1	-	CABLE ASSEMBLY, rear section (Includes plug)
15	048142	1	2	2	CONNECTOR, cable
16	089292	1	1	1	CABLE, rear intermediate section (50" long)
17	208960	1	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
18	641716	1	1	1	CABLE, front intermediate section (46" long)
19	641715	1	1	1	CABLE, front section (24" long)
20	-----	1	1	1	SWITCH (See LIGHTS AND WIRING)
21	639388	3	3	3	CLIP, tail light cable (1/8" diam., 13/32" bolt-hole)
	916268	1	1	1	CAPSCREW, 3/8"NC x 5/8"
	904206	1	1	1	LOCKWASHER, 3/8"
	911115	1	1	1	WASHER, plain, SAE std., 3/8"
22	639312	1	1	1	CLIP, rear cable (3/16" diam., 9/16" bolt-slot)
23	647139	1	1	1	GUARD, tail light
24	012992	2	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	044973	4	4	4	WASHER, plain
	904206	2	2	2	LOCKWASHER, 3/8"
	911041	2	2	2	NUT, 3/8"NF



USAGE: Special Equipment. Applicable to all tractors except those equipped with TAIL LIGHT

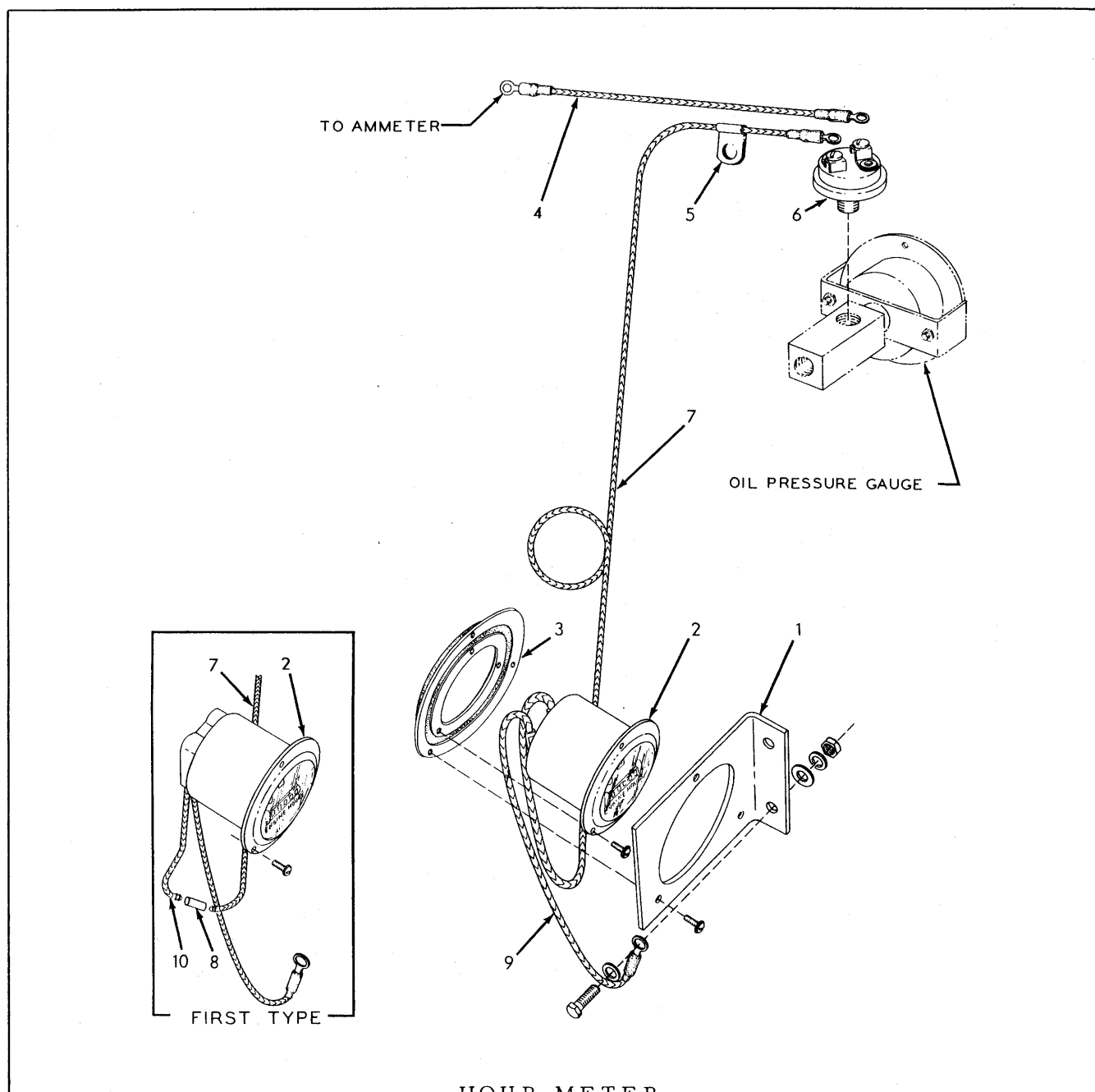
ITEM PART NO. QTY. DESCRIPTION

1	074388	1	LIGHT ASSEMBLY (See page 295 for parts)(Used prior to July 1959. Order 1 each LIGHT ASSEMBLY 638283, WASHER 075535, LOCKWASHER 900818, LOCKWASHER 904208 and NUT 911043)
	904206	1	LOCKWASHER, 3/8"
	911026	1	NUT, 3/8"NC
	097030	1	LIGHT ASSEMBLY (See page 296 for parts)(Effective July 1959. Original equipment. Order LIGHT ASSEMBLY 638283)
	638283	1	LIGHT ASSEMBLY (See page 297 for parts)(Service replacement)
	900818	1	WASHER, plain, U. S. std., 1/2"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
2	-----	1	BRACKET, mounting (Used prior to August 1958. Order item 6)
3	035067	2	CAPSCREW, 1/2"NF x 2"
4	064531	2	WASHER, plain
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
5	-----	1	PLATE, mounting (Used prior to August 1958. Order item 6)
	911044	2	NUT, 5/8"NF
6	094630	1	BRACKET, mounting (Effective August 1958)
	911044	2	NUT, 5/8"NF
7	053277	1	WASHER, mounting (For LIGHT ASSEMBLY 074388 only)
	075535	1	WASHER, mounting (For LIGHT ASSEMBLY 097030 and 638283)

(Continued)

REAR FLOOD LIGHT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	084238	1	CABLE, rear section (57" long)
9	208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
10	641716	1	CABLE, intermediate section (46" long)
11	048142	1	CONNECTOR, cable
12	641715	1	CABLE, front section (24" long)
13	-----	1	GROMMET, cable protecting (For tractors with Cab)
14	639388	3	CLIP, cable supporting (1/8" diam., 13/32" bolt-hole)
	916268	1	CAPSCREW, 3/8"NC x 5/8"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
15	639312	1	CLIP, rear cable (3/16" diam., 9/16" bolt-slot)
16	-----	1	SWITCH (See LIGHTS AND WIRING)



USAGE: Special equipment

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	069317	1	BRACKET, mounting
	910874	2	CAPSCREW, 1/4"NF x 1"
	911114	2	WASHER, plain, SAE std., 1/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF

(Continued)

HO U R M E T E R (Continued)

ITEM PART NO. QTY. DESCRIPTION

2	-----	1	METER, hour (24 volt)(Used prior to tractor #7337. Order METER 650299)
	650299	1	METER, hour (24 volt)(Effective with tractor #7337)
	918210	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)

NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Allis-Chalmers. Return "Hobbs" meter to nearest "Stewart-Warner" agency. Return "Hamilton" meter to Hamilton Watch Company, Industrial Products Division, Lancaster, Penna.

3	066467	1	DAMPER, vibration
	918210	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)

4	605808	1	CABLE, pressure switch to ammeter (10" long)
---	--------	---	--

5	040796	1	CLIP, hour meter cable (1/2" diam., 13/32" bolt-hole)(Used prior to tractor #4415)
	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF

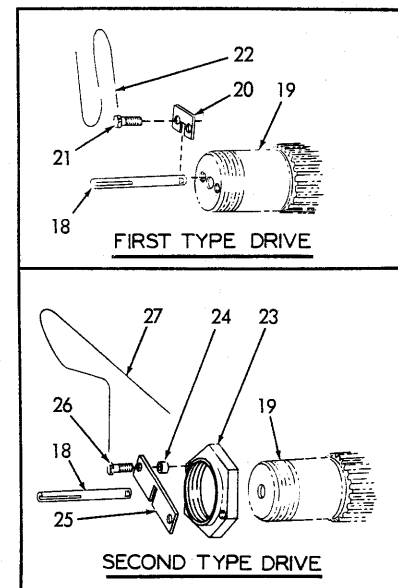
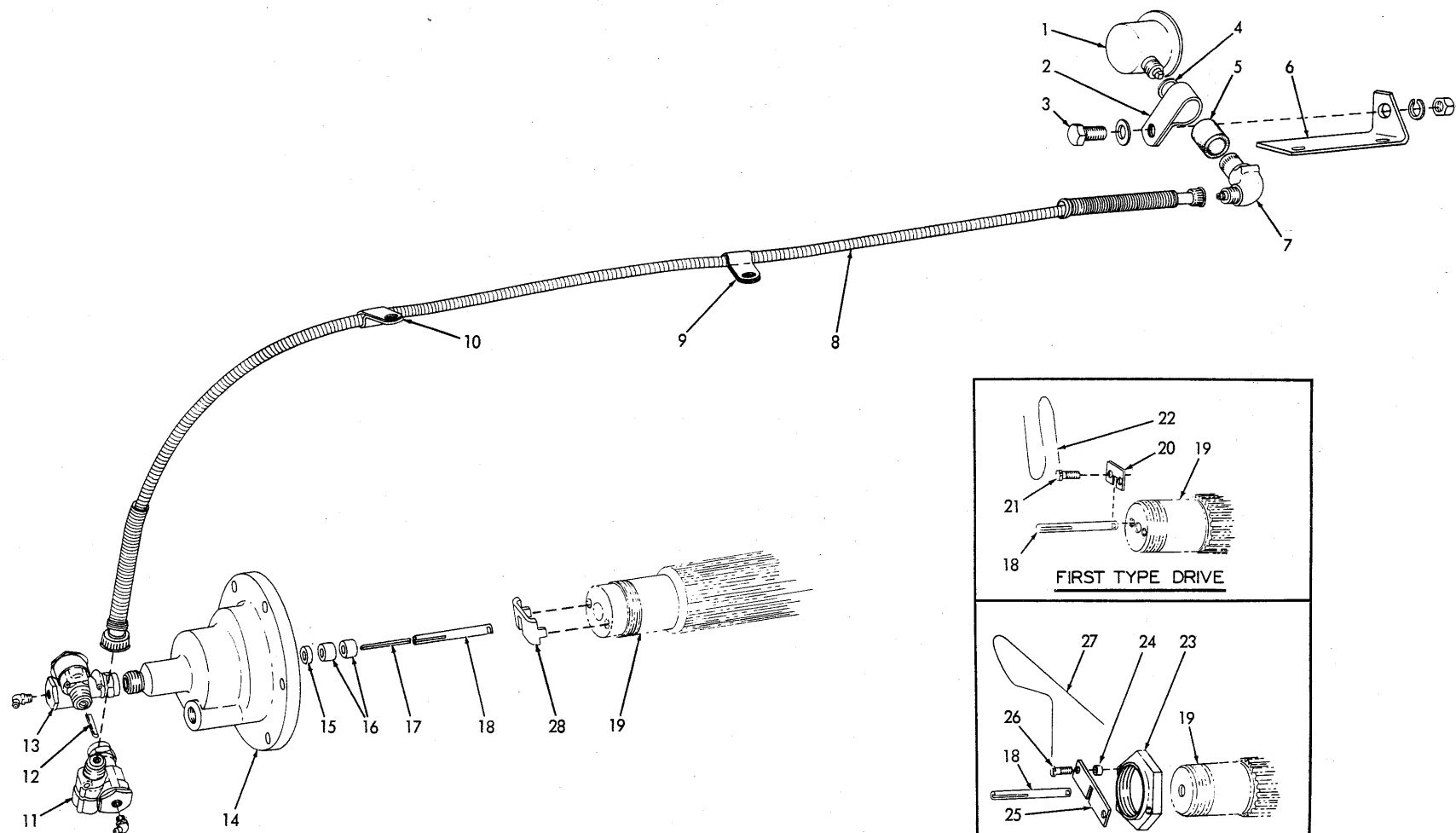
6	050288	1	SWITCH, pressure
---	--------	---	------------------

7	099219	1	CABLE, meter to pressure switch (28" long)(Used prior to tractor #7337)
	630626	1	CABLE, meter to pressure switch (34" long)(Effective with tractor #7337)

8	048142	1	CONNECTOR, meter cable (Used prior to tractor #7337)
---	--------	---	--

9	630917	1	CABLE, meter to ground (8" long)(Effective with tractor #7337)
---	--------	---	--

10	631639	1	CABLE, meter connecting (7-1/2" long)(Used only with item 2 when replacing early type meter)
----	--------	---	--



ODOMETER

ODOMETER

USAGE: Special Equipment. Model HD11G only

ITEM	PART NO.	QTY.	DESCRIPTION
1	047678	1	ODOMETER (registers miles) (Discontinued)
	057784	1	ODOMETER (registers kilometers)
2	055536	1	CLIP, odometer mounting (1" diam., 17/32" bolt-hole)
3	070467	1	CAPSCREW, 1/2"NF x 1"
	910244	1	WASHER, plain, SAE std., 1/2"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
4	630785	1	WASHER, spacing
5	084284	1	STRIP, cushion, odometer mounting (rubber)
6	084898	1	ANGLE, odometer mounting
7	077687	1	ADAPTER ASSEMBLY (90°, elbow, direct drive) (Serviced only as a unit)
8	084891	1	SHAFT ASSEMBLY, flexible (52-1/2" long) (Serviced only as a unit)
9	033043	1	CLIP, shaft supporting (7/16" diam., 13/32" bolt-hole)
10	034152	1	CLIP, shaft supporting (7/16" diam., 17/32" bolt-hole)
11	077682	1	ADAPTER ASSEMBLY (reduction ratio 1 to .167. In- cludes FITTING indented below. Serviced only as a unit)
	915275	1	FITTING, lubricating, 65°, 1/8"NPT
12	078407	1	KEY, adapter drive (1-9/16" long)
13	077680	1	ADAPTER ASSEMBLY (reduction ratio 1 to .266. In- cludes FITTING indented below. Serviced only as a unit)
	915275	1	FITTING, lubricating, 65°, 1/8"NPT
14	079538	1	COVER ASSEMBLY, pinion shaft (Includes items 15 and 16) (Replaces standard COVER 069366 on trac- tors prior to #6473)
	621439	1	COVER ASSEMBLY, pinion shaft (Includes items 15 and 16) (Replaces standard COVER 099021 on trac- tors #6473 and up)
15	069641	1	SEAL, oil, drive shaft
16	079536	2	BUSHING, drive shaft
17	079887	1	KEY, drive shaft
18	079534	1	SHAFT, drive
19	-----	1	PINION (See TRANSMISSION PINION SHAFT)

(Continued)

ODOMETER (Continued)

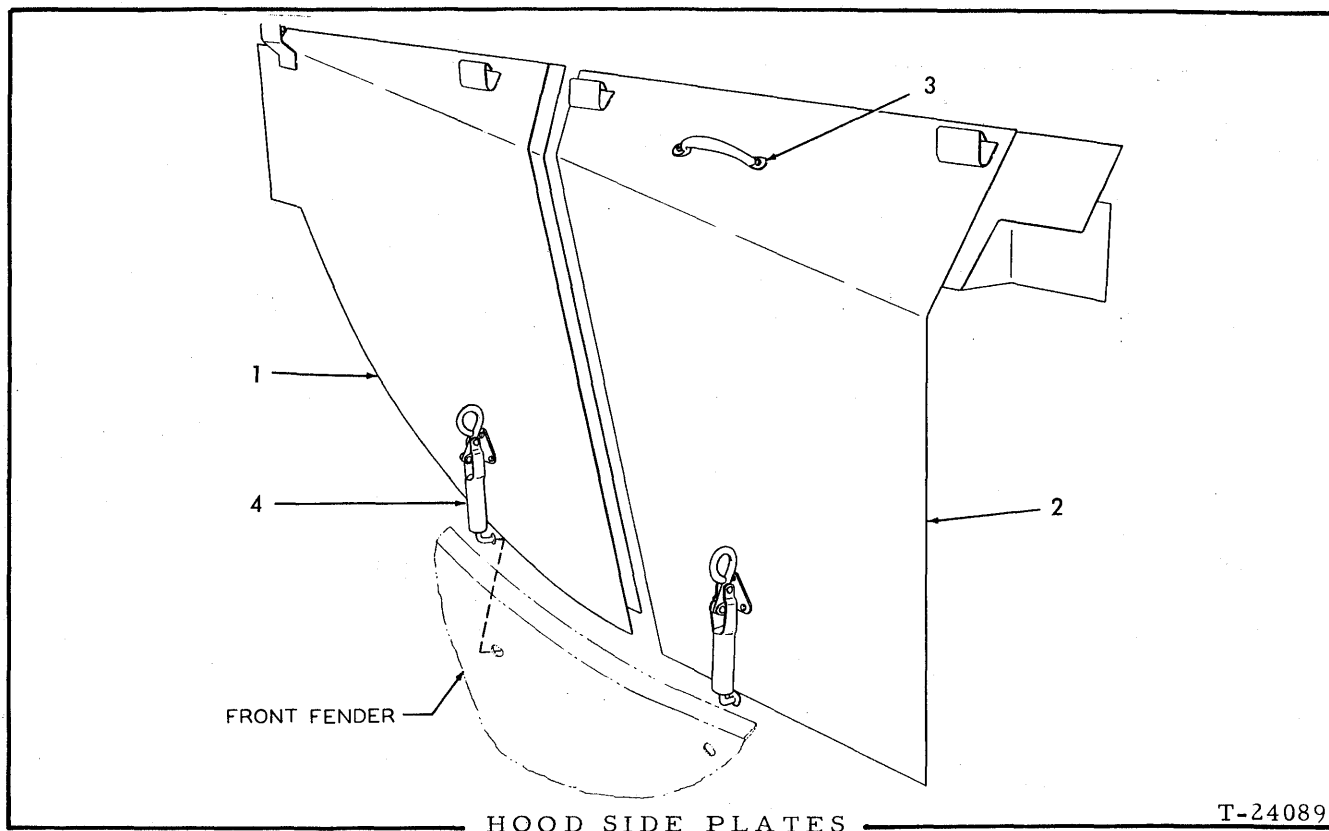
ITEM	PART NUMBER	QTY.	DESCRIPTION
------	----------------	------	-------------

NOTE: Items 20 thru 22 comprise the FIRST TYPE
DRIVE used prior to tractor serial No. 4529

20	079535	1	LOCK, drive shaft
21	012468	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
22	023633	1	WIRE, locking, 1/16" x 12"

NOTE: Items 23 thru 27 comprise the SECOND TYPE
DRIVE used on tractors serial No. 4529 thru
6472

23	095675	1	NUT, bevel pinion (Replaces standard NUT 078861)
24	095676	2	SPACER, driving plate
25	095673	1	PLATE, driving
26	011089	2	CAPSCREW, drilled-hd., 1/4"NF x 3/4"
27	023633	1	WIRE, locking, 1/16" x 12"
28	620515	1	COUPLING, drive (Effective with tractor #6473)



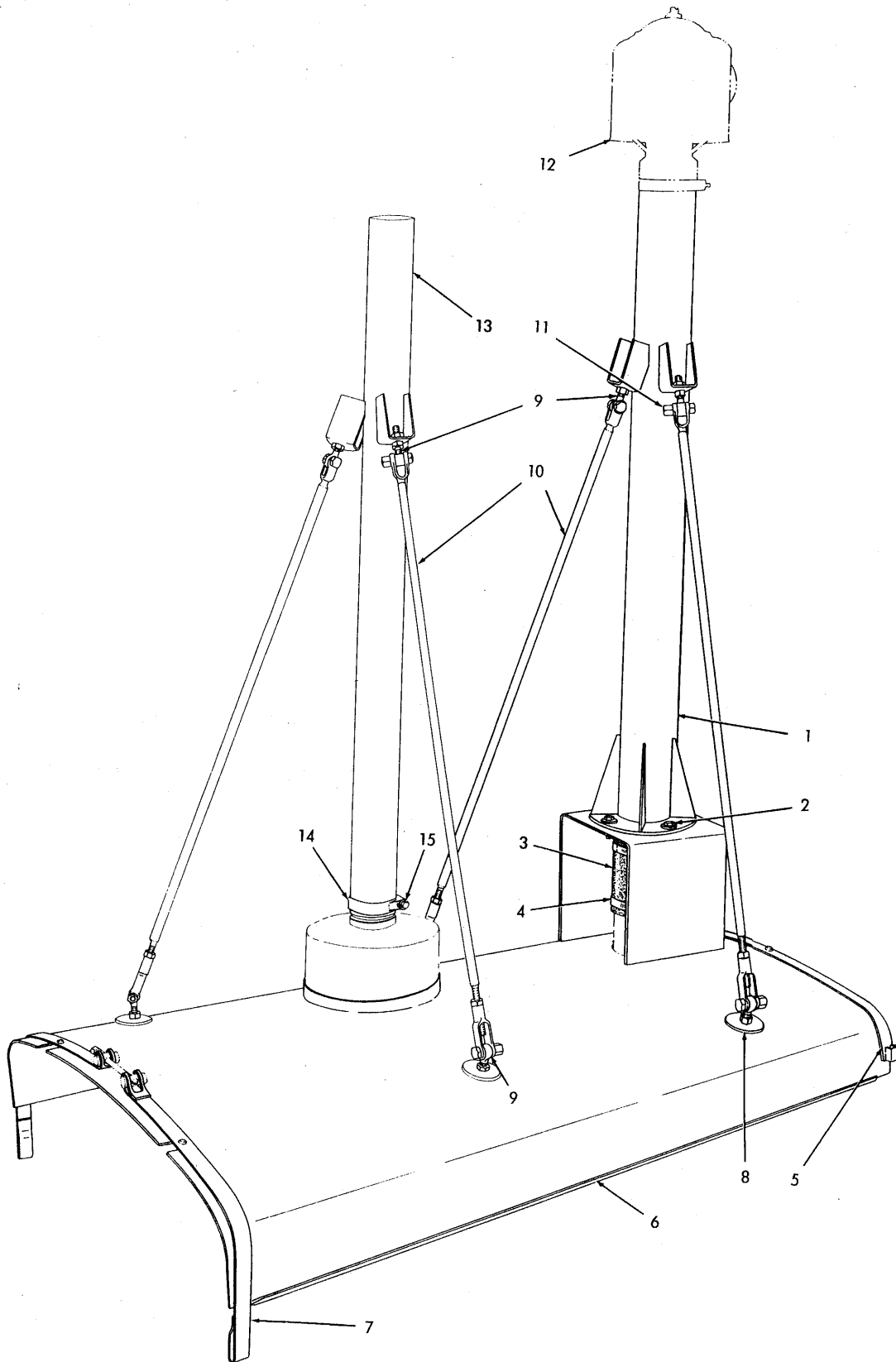
USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	PLATE ASSEMBLY, left side (Used prior to June 1959. Order PLATE ASSEMBLY 092839 and PLATE ASSEMBLY 092841)	} Effective June 1959
	-----	1	PLATE ASSEMBLY, right side (Used prior to June 1959. Order PLATE ASSEMBLY 092840 and PLATE ASSEMBLY 092842)	
2	092839	1	PLATE ASSEMBLY, front section, left side	
	092840	1	PLATE ASSEMBLY, front section, right side	
	092841	1	PLATE ASSEMBLY, rear section, left side	
	092842	1	PLATE ASSEMBLY, rear section, right side	

NOTE: Each Plate Assembly listed above includes items 3 and 4

3	032834	4	HANDLE, lifting
	900764	8	RIVET, fl-hd., 3/16" x 1/2"
4	033060	4	FASTENER
	900764	12	RIVET, fl-hd., 3/16" x 1/2"

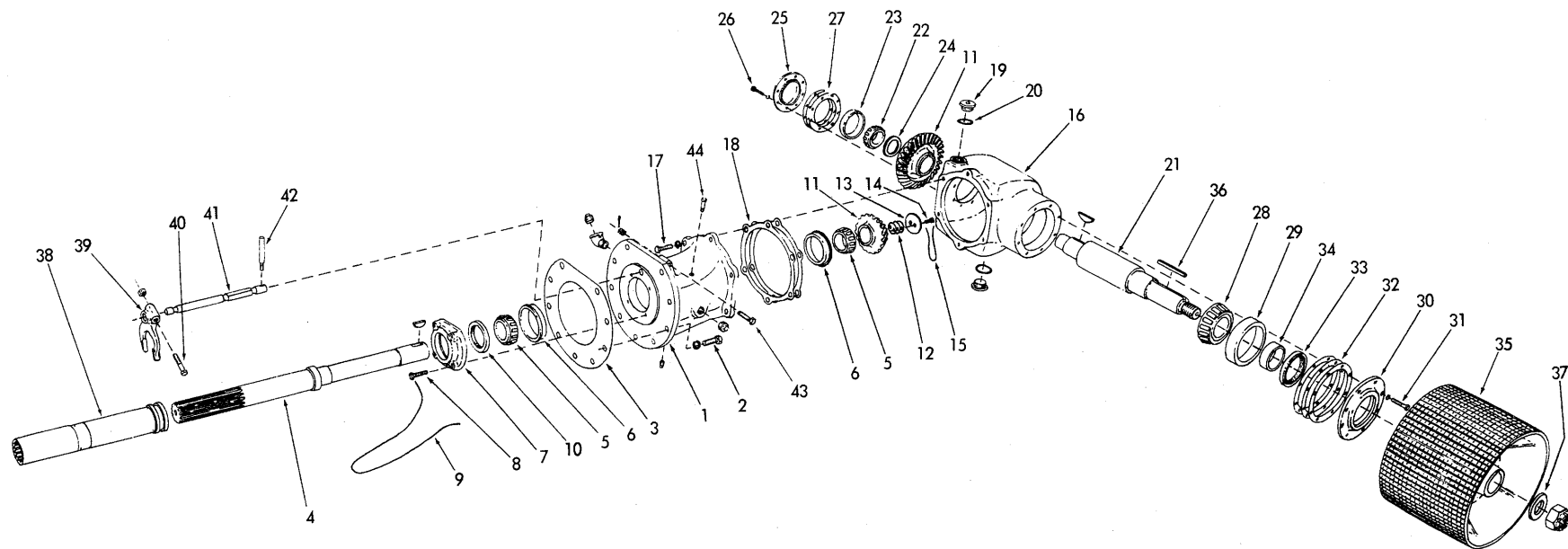


AIR PRE-CLEANER AND EXHAUST EXTENSIONS

AIR PRE-CLEANER AND EXHAUST EXTENSIONS

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	085464	1	TUBE, pre-cleaner extension
2	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	064531	8	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
3	620338	1	HOSE, extension tube
4	921916	2	CLAMP, hose, 3-13/16" to 4-3/4" diam.
5	090129	1	STRAP, hold-down, rear
6	090126	1	HOOD, engine
7	090649	2	STRAP, hold-down, front
8	085453	8	WASHER, hood reinforcing
9	067902	8	BOLT, eye
	911043	16	NUT, 1/2"NF
10	084227	4	ROD, extension tube bracing
	917666	4	YOKE, rod end, adjustable, 1/2"NF
	911043	4	NUT, 1/2"NF
	912192	8	CAPSCREW, 1/2"NF x 1-3/4"
11	038234	8	NUT, high, 1/2"NF
12	-----	-	PRE-CLEANER ASSEMBLY (See AIR CLEANER)
13	620275	1	TUBE, exhaust extension (Replaces standard exhaust pipe)
14	084887	1	CLAMP, exhaust extension tube
15	041913	1	CAPSCREW, 3/8"NF x 2-7/8"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF



POWER PULLEY

POWER PULLEY

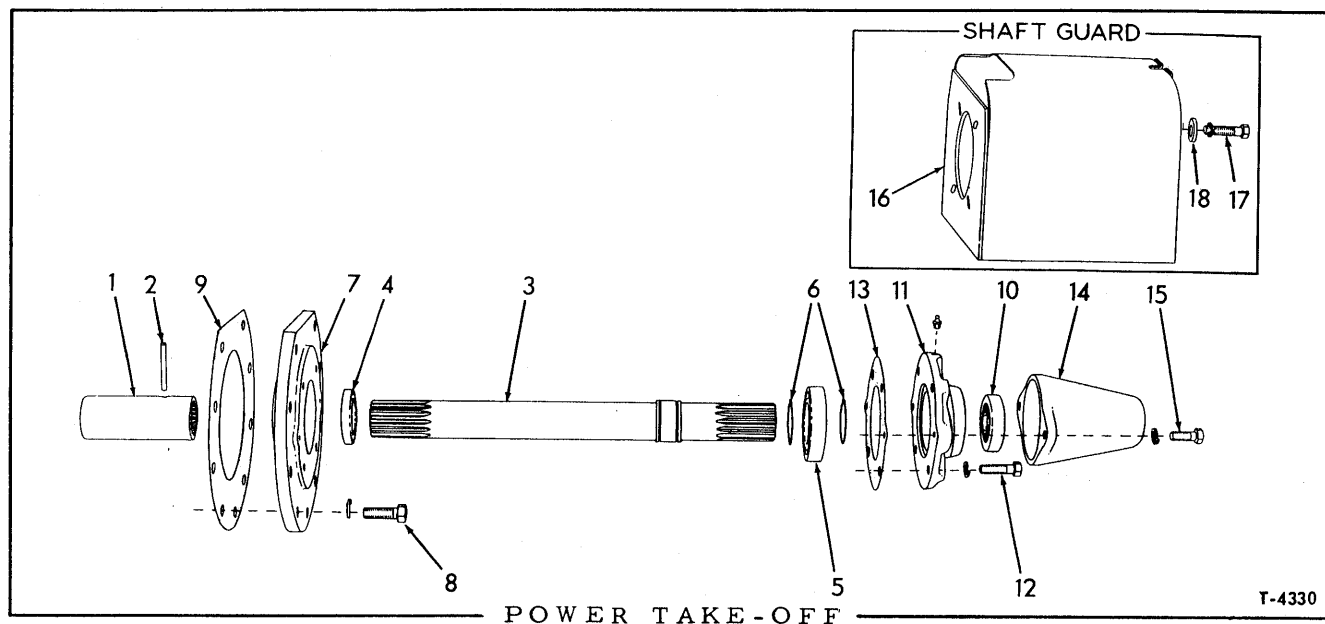
USAGE: Special Equipment

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	068631	1	SPACER
	910023	1	ELBOW, street, 45°, 3/4"NPT
	912726	2	PLUG, pipe, 3/4"NPT
	901652	1	PLUG, pipe, 1/4"NPT
2	036707	9	CAPSCREW, 5/8"NC x 1-3/4"
	904209	9	LOCKWASHER, 5/8"
3	068487	1	GASKET, spacer to transmission case
4	068630	1	SHAFT, input
5	043004	2	CONE ASSEMBLY, input shaft bearing
6	043003	2	CUP, input shaft bearing
7	032325	1	RETAINER, input shaft front bearing
8	021527	4	CAPSCREW, drilled-hd., 3/8"NC x 1-5/8"
9	023756	1	WIRE, locking, 1/16" x 26"
10	032347	1	SEAL, oil, input shaft
11	042658	1	GEAR SET (Consists of 1 PINION (18 teeth) and 1 GEAR (31 teeth))
	910851	1	KEY, #G woodruff, 3/8" x 1-1/2"
	911190	1	KEY, #T woodruff, 3/8" x 2-3/8"
12	{ 036093	3	SHIM, bearing adjustment (.005" thick. Use as req'd)
	{ 036094	3	SHIM, bearing adjustment (.010" thick. Use as req'd)
	{ 036095	4	SHIM, bearing adjustment (.020" thick. Use as req'd)
13	032358	1	WASHER, pinion retaining
14	013044	2	CAPSCREW, drilled-hd., 3/8"NC x 7/8"
15	023633	1	WIRE, locking, 1/16" x 12"
16	032335	1	CASE, output shaft
17	035236	6	CAPSCREW, 1/2"NC x 1-3/4"
	904208	6	LOCKWASHER, 1/2"
18	{ 032939	12	SHIM, pinion adjustment (.005" thick. Use as req'd)
	{ 032941	3	SHIM, pinion adjustment (.020" thick. Use as req'd)
19	035250	2	PLUG, filling and draining
20	035249	2	GASKET, filling and draining plug
21	042659	1	SHAFT, output
22	043004	1	CONE ASSEMBLY, output shaft bearing, inner
23	211567	1	CUP, output shaft bearing, inner
24	032336	1	SPACER, output shaft inner bearing

(Continued)

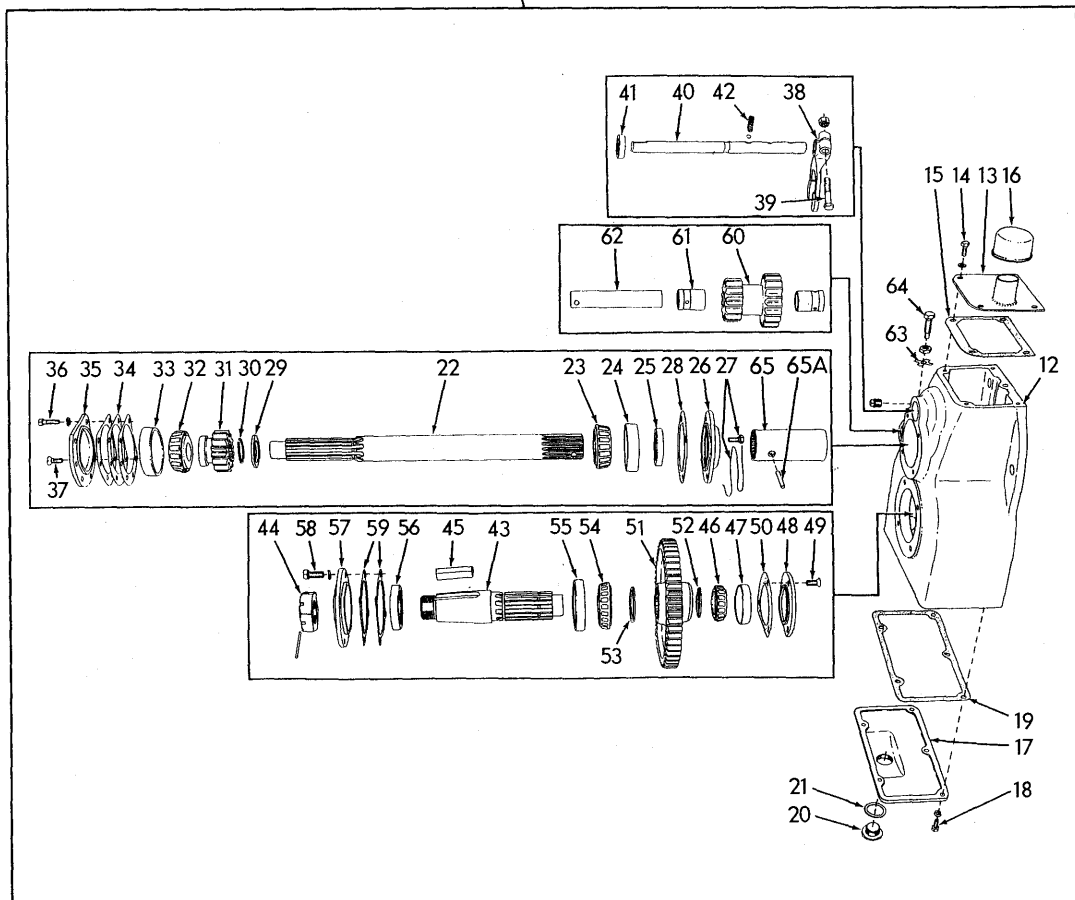
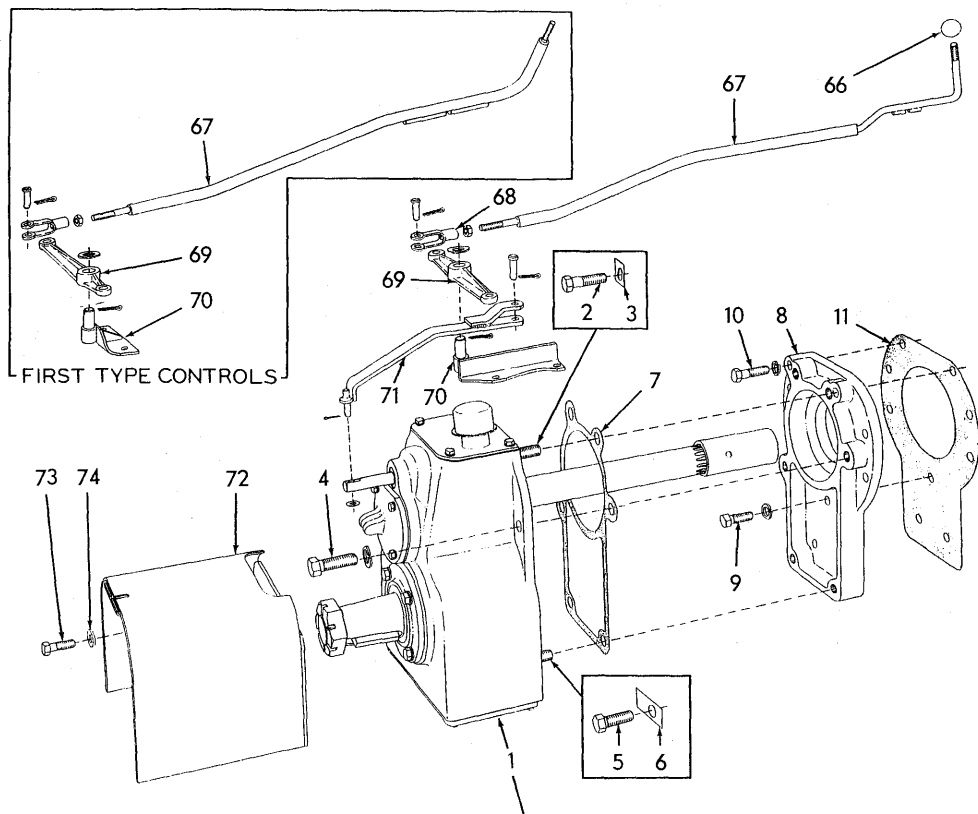
POWER PULLEY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	032331	1	RETAINER, output shaft inner bearing
26	013058	8	CAPSCREW, 3/8"NC x 1-1/4"
	904206	8	LOCKWASHER, 3/8"
27	036140	3	SHIM, gear adjustment (.005" thick. Use as req'd)
	036142	3	SHIM, gear adjustment (.010" thick. Use as req'd)
	036141	4	SHIM, gear adjustment (.020" thick. Use as req'd)
28	042873	1	CONE ASSEMBLY, output shaft bearing, outer
29	042898	1	CUP, output shaft bearing, outer
30	032312	1	RETAINER, output shaft outer bearing
31	013058	8	CAPSCREW, 3/8"NC x 1-1/4"
	904206	8	LOCKWASHER, 3/8"
32	028113	3	SHIM, bearing adjustment (.005" thick. Use as req'd)
	028115	5	SHIM, bearing adjustment (.010" thick. Use as req'd)
	028114	4	SHIM, bearing adjustment (.020" thick. Use as req'd)
33	032341	1	SEAL, oil, output shaft
34	032345	1	SPACER, output shaft outer bearing
35	077175	1	PULLEY, driving (13-3/8" diam.)
36	032342	1	KEY, driving pulley
37	071209	1	WASHER, pulley retaining
	911058	1	NUT, castle, 1-1/2"NF
	904006	1	PIN, cotter, 3/16" x 2-3/4"
38	068629	1	SHIFTER, coupling
39	068632	1	FORK, coupling shifter
40	046419	1	CAPSCREW, 3/8"NF x 2"
	913528	1	NUT, Elastic stop, 3/8"NF
41	032326	1	SHAFT, coupling shifter fork
42	038563	1	HANDLE, operating, shifter fork
43	035280	1	CAPSCREW, drilled end, 3/8"NF x 2"
	911053	1	NUT, castle, 3/8"NF
	900806	1	PIN, cotter, 1/8" x 1"
44	051447	1	BREATHING ASSEMBLY (Serviced only as a unit)



USAGE: Special equipment. Runs at engine speed.

ITEM	PART NO.	QTY.	DESCRIPTION
1	068388	1	COUPLING, front
2	621171	1	PIN, rivet, coupling retaining
3	068480	1	SHAFT, coupling
4	037676	1	SEAL, oil, inner
5	067566	1	BEARING, ball
6	058274	2	RING, snap
7	068488	1	CAGE, coupling shaft bearing
8	036707	9	CAPSCREW, 5/8"NC x 1-3/4"
	904209	9	LOCKWASHER, 5/8"
9	068487	1	GASKET, coupling shaft bearing cage
10	068491	1	SEAL, oil, outer
11	068490	1	RETAINER, oil seal
	914465	1	FITTING, lubricating, straight, 1/8"NPT
12	035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Replaced by 921556 CAPSCREW when coupling shaft guard is used. See item 16)
	904208	4	LOCKWASHER, 1/2"
13	068489	1	GASKET, oil seal retainer
14	055529	1	COVER, shaft protecting
15	035061	2	CAPSCREW, 1/2"NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
16	078482	1	GUARD, coupling shaft (When installed, item 14 is discarded)
17	921556	4	CAPSCREW, 1/2"NC x 2"
	904208	4	LOCKWASHER, 1/2"
18	064531	4	WASHER, plain



POWER TAKE-OFF

POWER TAKE-OFF

USAGE: Special Equipment. Operates at 485 rpm clockwise and 377 rpm counter-clockwise.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	059860	1	TAKE-OFF ASSEMBLY, power (Consists of items 12 thru 65A)
2	070792	2	CAPSCREW, 3/4"NC x 2-1/2"
3	011100	2	LOCK, capscrew
4	202283	2	CAPSCREW, 3/4"NC x 2-1/4"
	904369	2	LOCKWASHER, 3/4"
5	202283	2	CAPSCREW, 3/4"NC x 2-1/4"
6	012238	2	LOCK, capscrew
7	068324	1	GASKET, gear case to spacer
8	068329	1	SPACER, power take-off
9	036707	7	CAPSCREW, 5/8"NC x 1-3/4"
	904209	7	LOCKWASHER, 5/8"
10	023755	2	CAPSCREW, 5/8"NC x 2-1/4"
	904209	2	LOCKWASHER, 5/8"
11	068323	1	GASKET, spacer to steering clutch housing
12	044957	1	HOUSING, gear
	901653	1	PLUG, pipe, 3/8"NPT
13	033391	1	COVER, top
14	035244	4	CAPSCREW, 3/8"NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
15	033393	1	GASKET, top cover
16	200267	1	CAP, filler
17	044968	1	COVER, bottom
18	013058	5	CAPSCREW, 3/8"NC x 1-1/4"
	904206	5	LOCKWASHER, 3/8"
19	044969	1	GASKET, bottom cover
20	035250	1	PLUG, drain
21	035249	1	GASKET, drain plug
22	059869	1	SHAFT, input
23	061087	1	CONE ASSEMBLY, input shaft front bearing
24	061088	1	CUP, input shaft front bearing
25	037676	1	SEAL, input shaft front bearing
26	068326	1	RETAINER, front bearing
27	{ 013044	4	CAPSCREW, drilled-hd., 3/8"NC x 7/8"
	{ 023756	1	WIRE, locking, 1/16" x 26"
28	032754	1	GASKET, front bearing retainer
29	030965	1	SPACER, front bearing
30	050293	1	RING, snap, front bearing

(Continued)

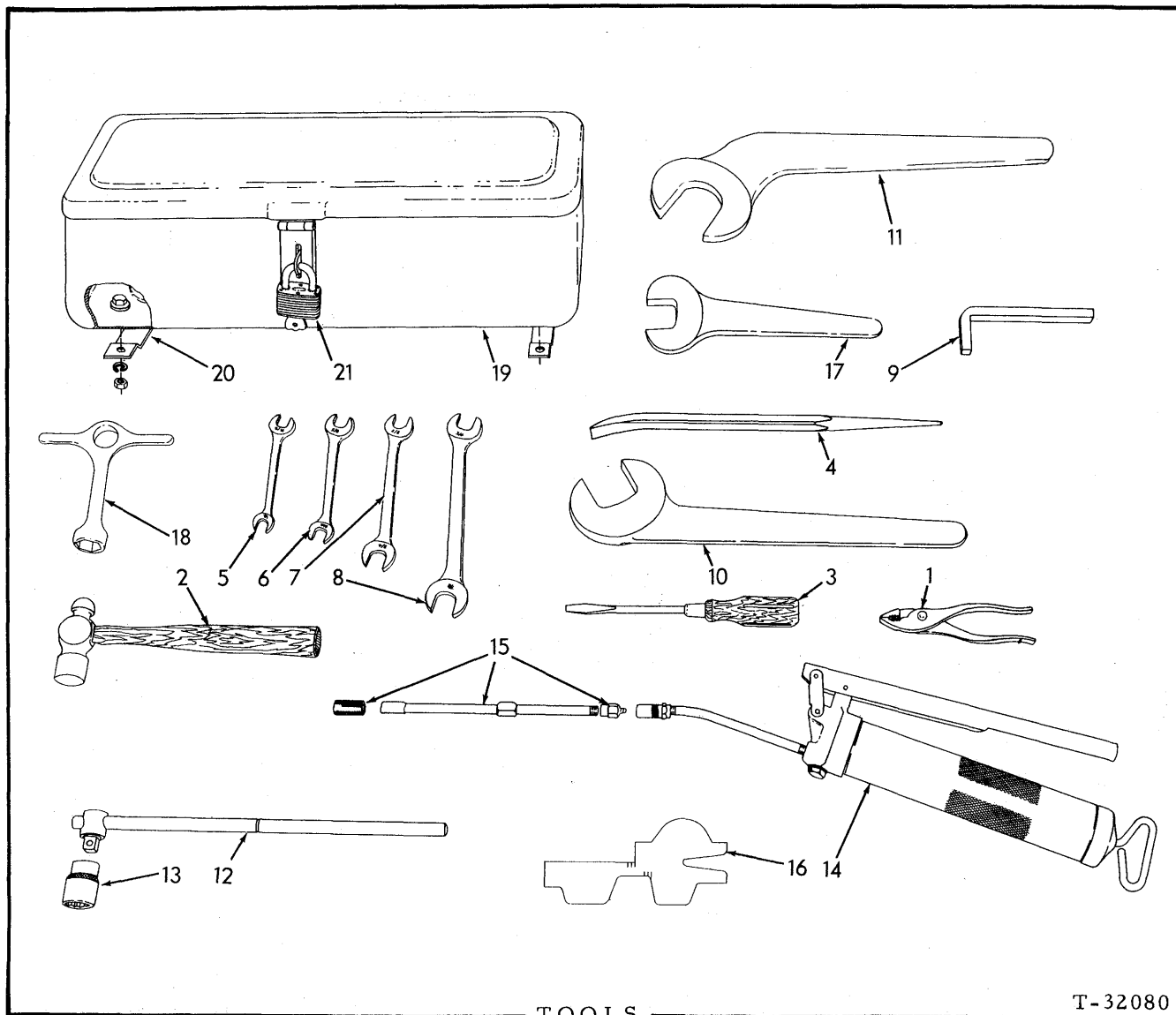
POWER TAKE-OFF (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
31	044979	1	PINION, input shaft (14 teeth)
32	043006	1	CONE ASSEMBLY, input shaft rear bearing
33	211567	1	CUP, input shaft rear bearing
34	032747	3	SHIM, input shaft bearing adjustment (.005" thick. Use as req'd)
	032748	5	SHIM, input shaft bearing adjustment (.010" thick. Use as req'd)
	032749	3	SHIM, input shaft bearing adjustment (.020" thick. Use as req'd)
35	047603	1	RETAINER, input shaft rear bearing
36	013058	3	CAPSCREW, 3/8"NC x 1-1/4"
	904206	3	LOCKWASHER, 3/8"
37	070192	1	CAPSCREW, flat-hd., 3/8"NC x 7/8"
38	044967	1	FORK, shifting
39	046419	1	CAPSCREW, shifting fork
	913528	1	NUT, elastic stop, 3/8"NF
40	044980	1	SHAFT, shifting fork
	905361	1	BALL, steel, 7/16" diam.
41	030504	1	SEAL, oil, shifting fork shaft
42	021537	1	SPRING, shifting shaft locking ball
43	044976	1	SHAFT, output
44	013207	1	NUT, output shaft (slotted, 2"EF thread)
	904007	1	PIN, cotter, 3/16" x 3"
45	032764	1	KEY, output shaft (1/16" x 3")
46	043000	1	CONE ASSEMBLY, output shaft front bearing
47	211608	1	CUP, output shaft front bearing
48	032751	1	RETAINER, output shaft front bearing
49	036283	3	CAPSCREW, flat-hd., 1/2"NC x 1-1/8"
50	032753	1	GASKET, bearing retainer
51	032780	1	GEAR, output shaft (52 teeth)
52	044978	1	RING, snap, output shaft gear
53	032762	1	RING, output shaft rear bearing (2 matched halves)
54	043002	1	CONE ASSEMBLY, output shaft rear bearing
55	043001	1	CUP, output shaft rear bearing
56	629040	1	SEAL, oil, output shaft rear bearing

(Continued)

POWER TAKE-OFF (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
57	032752	1	RETAINER, output shaft rear bearing
58	035061	4	CAPSCREW, 1/2"NC x 1-1/4" (Replaced by 035236 CAPSCREW when power shaft guard is used)(See item 72)
	904208	4	LOCKWASHER, 1/2"
59	{ 032946	12	SHIM, rear bearing adjustment (.005" thick. Use as req'd)
	{ 032944	3	SHIM, rear bearing adjustment (.020" thick. Use as req'd)
60	044982	1	GEAR ASSEMBLY, reverse (Includes item 61)
61	044984	2	BUSHING, reverse gear
62	044970	1	SHAFT, reverse gear
63	035196	1	LOCK, setscrew
64	035188	1	SETSCREW, hex-hd., taper pt., 1/2"NC x 1-5/8"
	911035	1	NUT, jam, 1/2"NC
65	068388	1	COUPLING, splined
65A	621171	1	PIN, rivet, coupling retaining
66	091862	1	KNOB, operating lever
67	{ 085390	1	ROD, control (Used prior to October 1958)
	{ 095659	1	ROD, control (Effective October 1958)
	911043	1	NUT, 1/2"NF
68	068389	1	YOKE, control rod
	917648	1	PIN, yoke, 1/2" diam.
	910967	1	PIN, cotter, 1/8" x 7/8"
69	{ 085327	1	LEVER, control, intermediate (Used prior to October 1958)
	{ 059872	1	LEVER, control, intermediate (Effective October 1958)
	917648	1	PIN, yoke, 1/2" diam.
	910967	1	PIN, cotter, 1/8" x 7/8"
70	{ 085328	1	BRACKET, pivot, intermediate control lever (Used prior to October 1958)
	{ 059857	1	BRACKET, pivot, intermediate control lever (Effective October 1958)
	910320	1	PIN, cotter, 5/32" x 1-1/2"
	910255	1	WASHER, plain, SAE std., 3/4"
71	059861	1	ARM, shifting
	911115	1	WASHER, plain, SAE std., 3/8"
	900942	1	PIN, cotter, 3/32" x 5/8"
72	078482	1	GUARD, power shaft
73	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
74	064531	4	WASHER, plain



ITEM PART NO. QTY. DESCRIPTION

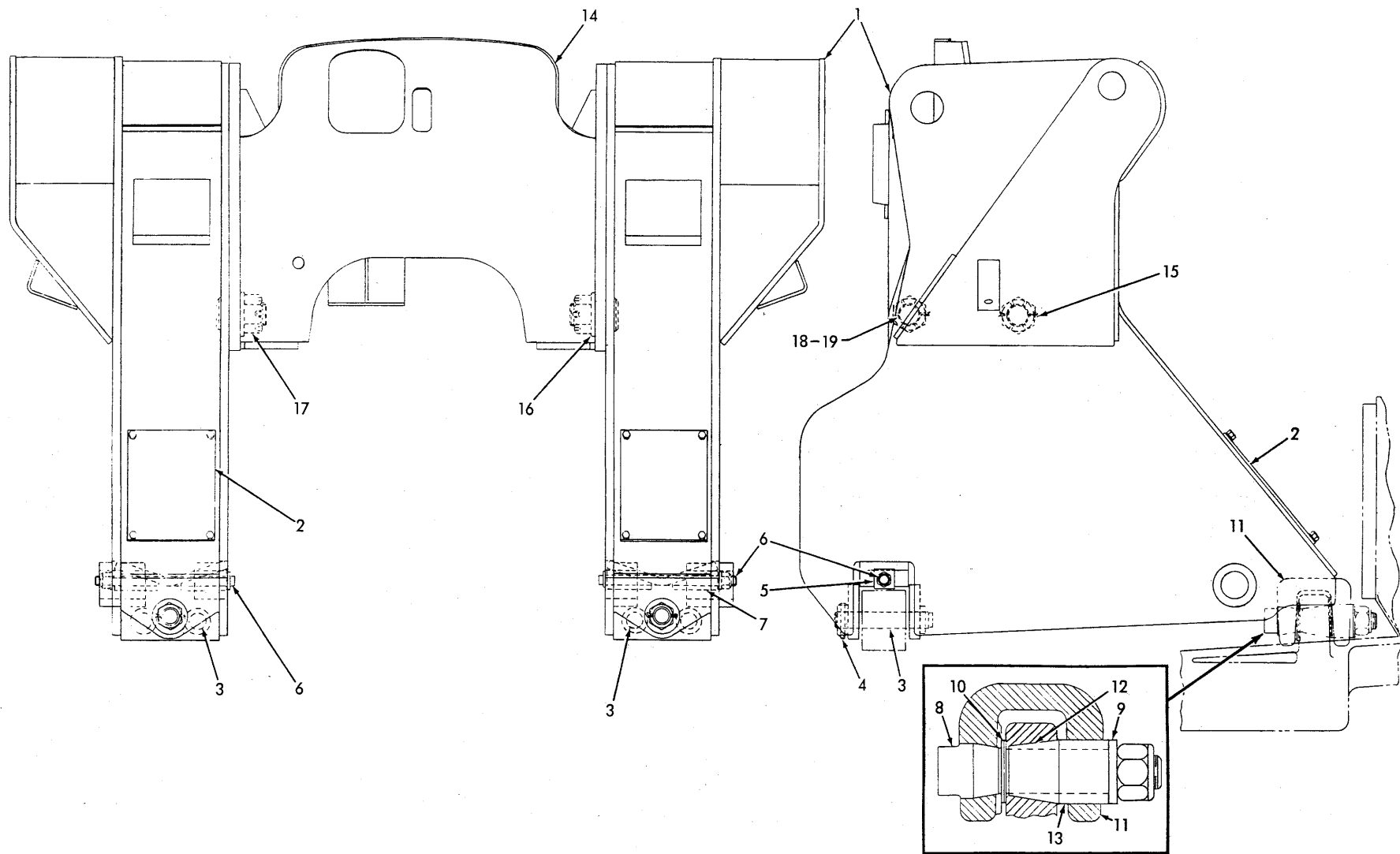
NOTE: For other recommended service tools, see Service Tool Manual Form 650850

-	089709	1	TOOL SET (Consists of items 1 thru 15; also 2 PLUGS 035250 and 2 GASKETS 035249)
1	012389	1	PLIERS, slip joint, 6"
2	012387	1	HAMMER, ball peen, 1 lb.
3	036268	1	SCREWDRIVER, 9-3/4" long
4	052371	1	BAR, pinch, 16" long
5	050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"

(Continued)

TOOLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	053423	1	WRENCH, open end, double head, 15°, 9/16" and 5/8"
7	050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
8	050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
9	043769	1	WRENCH, drain and filling plugs (90°, 1/2" square)
10	040736	1	WRENCH, track release adjustment (1-7/8" open end)(Early units)
11	095120	1	WRENCH, track release adjustment (2-1/8" open end)(Late units)
12	050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
13	914715	1	SOCKET, 1/2" square drive, 15/16" hex
14	073735	1	GUN, grease (high-pressure, lever type, 17 oz. capacity)
	907059	1	ELBOW, street, 90°, 1/8"NPT (For lubricating fan hub)
15	058937	1	NOZZLE ASSEMBLY, low pressure lubrication (Includes FITTING indented below)
	914767	1	FITTING, lubricating, straight, 1/8"NPT female
16	631352	1	GAUGE, wear (Provides maximum wear tolerances for track rails, grouser shoes, sprockets, idlers and truck wheels)
17	043421	1	WRENCH, fan spindle mounting nut (1-7/16" open end)
18	040272	1	WRENCH, grease hole plugs (For early units only)
19	604943	1	BOX, tool
	036034	2	CAPSCREW, 3/8"NF x 1"
	044973	2	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
20	095548	2	PLATE, box attaching
	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	044973	2	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
21	912484	1	PADLOCK



SHOVEL FRAME

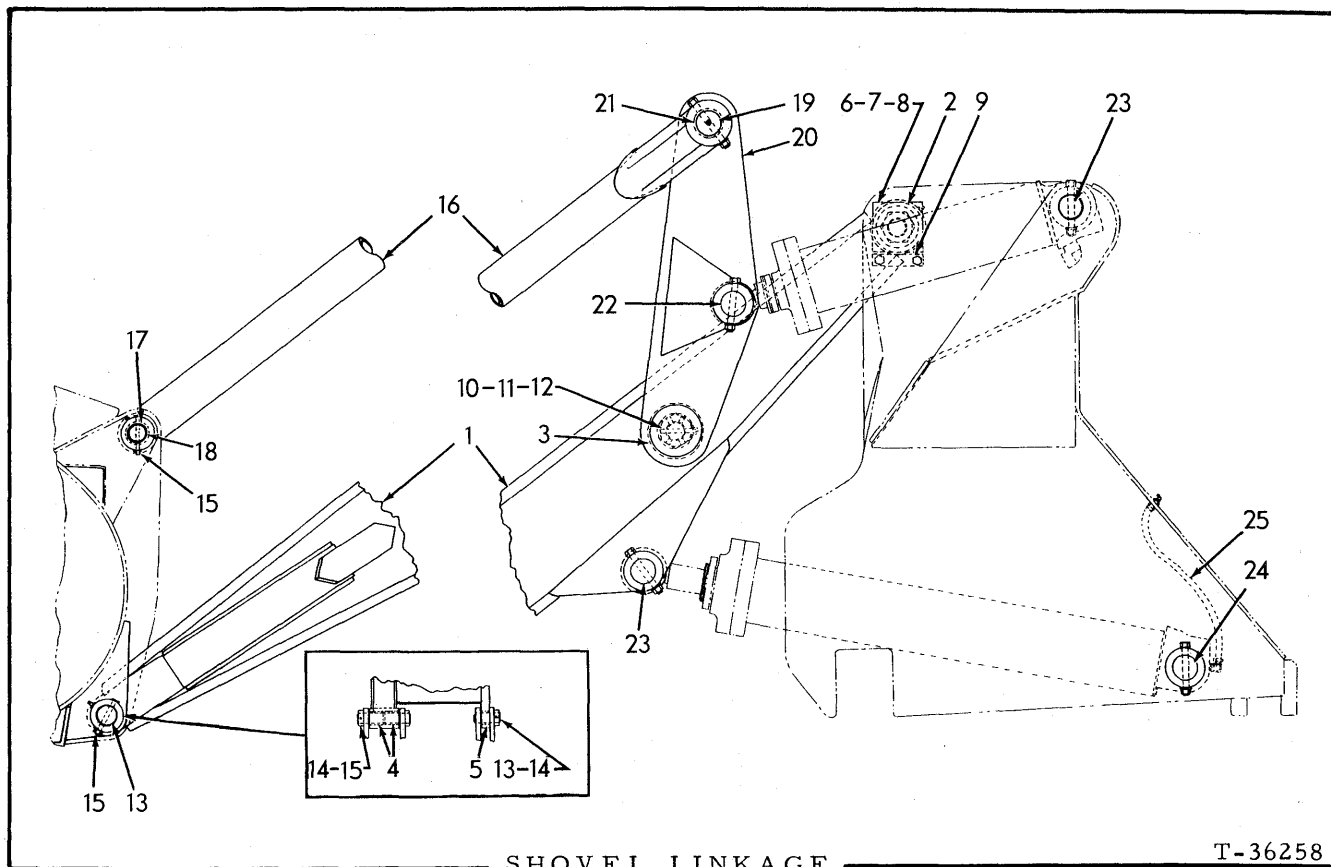
SHOVEL FRAME

* Used prior to shovel serial No. 1080

** Effective with shovel serial No. 1080

ITEM	PART NO.	QTY.	* **	DESCRIPTION
1	3012368	1	-	FRAME ASSEMBLY, left (Includes item 11)
	3012369	1	-	FRAME ASSEMBLY, right (Includes item 11)
	3023743	-	1	FRAME ASSEMBLY, left (Includes item 11)
	3023744	-	1	FRAME ASSEMBLY, right (Includes item 11)
2	3004664	2	2	PLATE, frame cover
	916310	8	8	CAPSCREW, 1/2"NC x 1"
	904208	8	8	LOCKWASHER, 1/2"
3	3001618	4	4	PIN, frame anchor, front
4	3001621	4	4	PIN, retaining, front anchor pin
	900806	4	4	PIN, cotter, 1/8" x 1"
5	3012376	4	4	WEDGE, frame anchor pin
6	3016029	2	2	BOLT, 7/8"NF x 12"
7	914488	2	2	NUT, elastic stop, 7/8"NF
	3012372	2	2	BLOCK, spacing
8	3017979	2	-	PIN, frame anchor, rear (For shovels prior to #331 also order 1 NUT 917778 when making first replacement)
	625827	-	2	PIN frame anchor, rear
9	3001559	2	2	WASHER, plain
	917778	2	2	NUT, elastic stop, 1-1/2"NF
10	634237	-	-	WASHER, shimming, rear anchor pin (1/16" thick. Use as req'd)
	625829	-	-	WASHER, shimming, rear anchor pin (1/8" thick. Use as req'd)
11	3004725	2	-	BRACKET, frame mounting (Requires welding to install)
	3023571	-	2	BRACKET, frame mounting (Requires welding to install)
12	625825	-	2	BUSHING, frame pivot (tapered)
13	625826	-	2	BUSHING, frame pivot (straight)
14	3016252	1	1	STABILIZER, frame
15	3009094	3	3	PIN (2"NF, long)
16	626543	3	3	WASHER, plain
17	918530	3	3	NUT, slotted, 2"NF
18	3009952	1	1	PIN (2"NF, short)
19	3009127	1	1	NUT, jam, slotted, 2"NF
	904015	4	4	PIN, cotter, 3/8" x 3-1/2"

left side only



SHOVEL LINKAGE

T-36258

USAGE: Shovels prior to serial No. 331

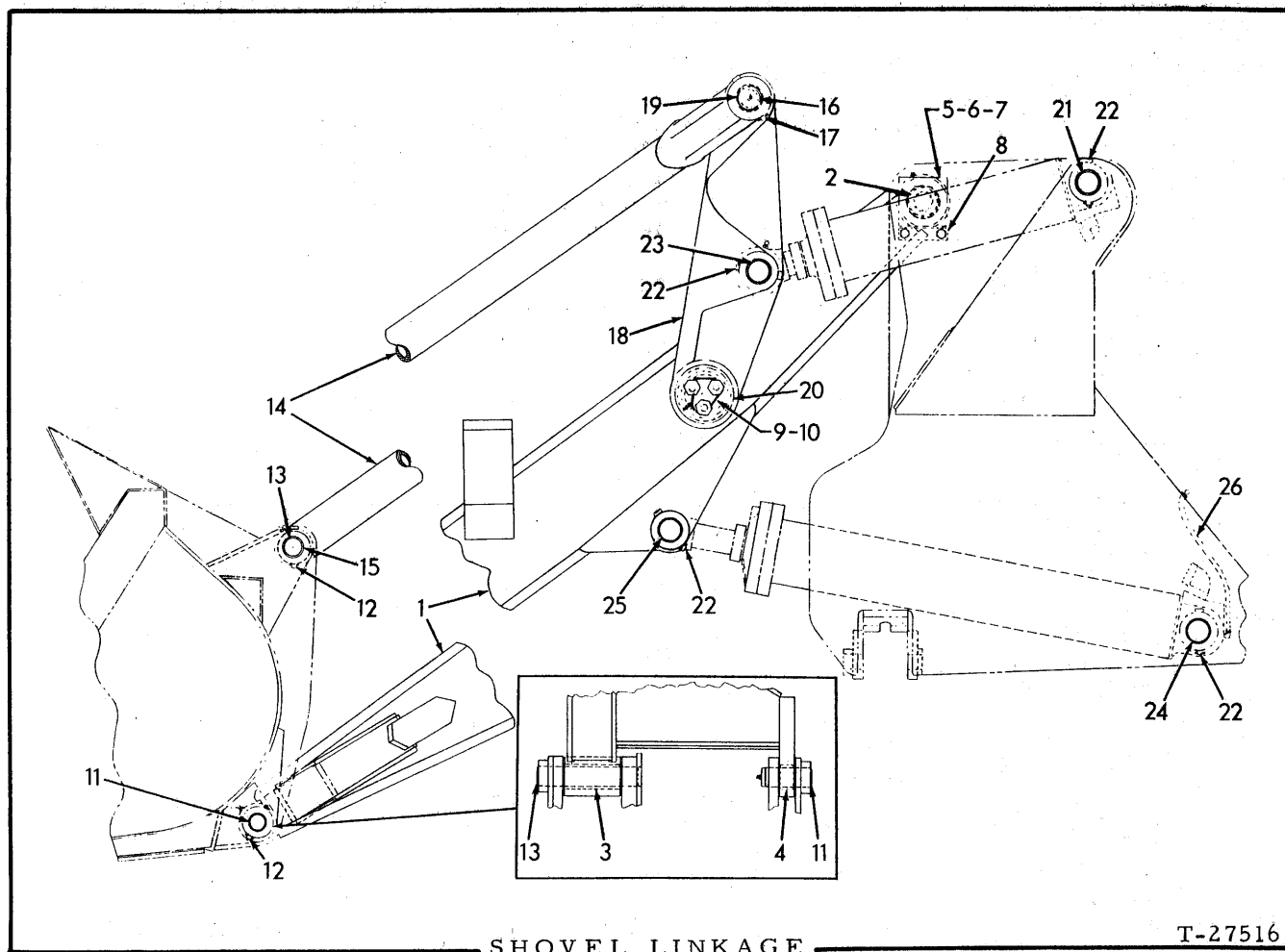
ITEM PART NO. QTY. DESCRIPTION

1	3011051	1	BOOM ASSEMBLY, left (Includes 2 BUSHING 626637, 2 BUSHING 625061, 1 BUSHING 3017731 and 1 BUSHING 3001066)
	3011052	1	BOOM ASSEMBLY, right (Includes 2 BUSHING 626637, 2 BUSHING 625061, 1 BUSHING 3017731 and 1 BUSHING 3001066)
	914465	2	FITTING, lubricating, straight, 1/8"NPT
2	626637	4	BUSHING, boom upper end
3	3017731	2	BUSHING, boom center
4	625061	4	BUSHING, boom lower end, inner
5	3001066	2	BUSHING, boom lower end, outer
6	3006440	2	PIN, boom pivot
	914465	2	FITTING, lubricating, straight, 1/8"NPT
7	626543	2	WASHER, plain
8	3016028	2	NUT, lock
9	3006890	2	BAR, retaining, boom pivot pin
	916021	4	CAPSCREW, 5/8"NF x 2"
	904209	4	LOCKWASHER, 5/8"
	911044	4	NUT, 5/8"NF

(Continued)

SHOVEL LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	3009124	2	PIN, cross link pivot (Requires welding to install)
	914465	2	FITTING, lubricating, straight, 1/8"NPT
11	3006124	2	WASHER, plain
12	3009127	2	NUT, jam, slotted, 2"NF
	904016	2	PIN, cotter, 3/8" x 3-3/4"
13	3019640	2	PIN, bucket pivot, outer
	914465	2	FITTING, lubricating, straight, 1/8"NPT
14	3006073	2	PIN, bucket pivot, inner
	914465	2	FITTING, lubricating, straight, 1/8"NPT
15	3001622	6	PIN, retaining, pivot pin
	900806	6	PIN, cotter, 1/8" x 1"
16	3009835	2	LINK ASSEMBLY, dump (Includes 2 BUSHING 625061)
	3015843	2	LINK ASSEMBLY, dump (For tip back bucket only)(Includes 2 BUSHING 625061)
17	625061	4	BUSHING, dump link
18	3006073	2	PIN, dump link, front
	914465	2	FITTING, lubricating, straight, 1/8"NPT
19	624997	2	PIN, dump link, rear
	914465	2	FITTING, lubricating, straight, 1/8"NPT
	916413	2	CAPSCREW, 5/8"NF x 5-1/4"
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
20	3009125	1	LINK ASSEMBLY, cross, left (Includes 1 PIN 3009124 and 1 BUSHING 3004785)
	3009126	1	LINK ASSEMBLY, cross, right (Includes 1 PIN 3009124 and 1 BUSHING 3004785)
21	3004785	2	BUSHING, cross link
22	3009850	2	PIN, dump cylinder pivot, front
	914465	2	FITTING, lubricating, straight, 1/8"NPT
	916412	2	CAPSCREW, 5/8"NF x 4-3/4"
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
23	625191	4	PIN, cylinder pivot
	916412	4	CAPSCREW, 5/8"NF x 4-3/4"
	904209	4	LOCKWASHER, 5/8"
	911044	4	NUT, 5/8"NF
24	3006370	2	PIN, lift cylinder pivot, rear
	916412	2	CAPSCREW, 5/8"NF x 2"
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
25	3004999	2	TUBE ASSEMBLY, lubricating (flexible)(Includes nuts)
	915276	2	FITTING, lubricating, 90°, 1/8"NPT
	911049	2	NUT, jam, 5/8"NF



SHOVEL LINKAGE

T-27516

USAGE: Effective with Shovel serial No. 331

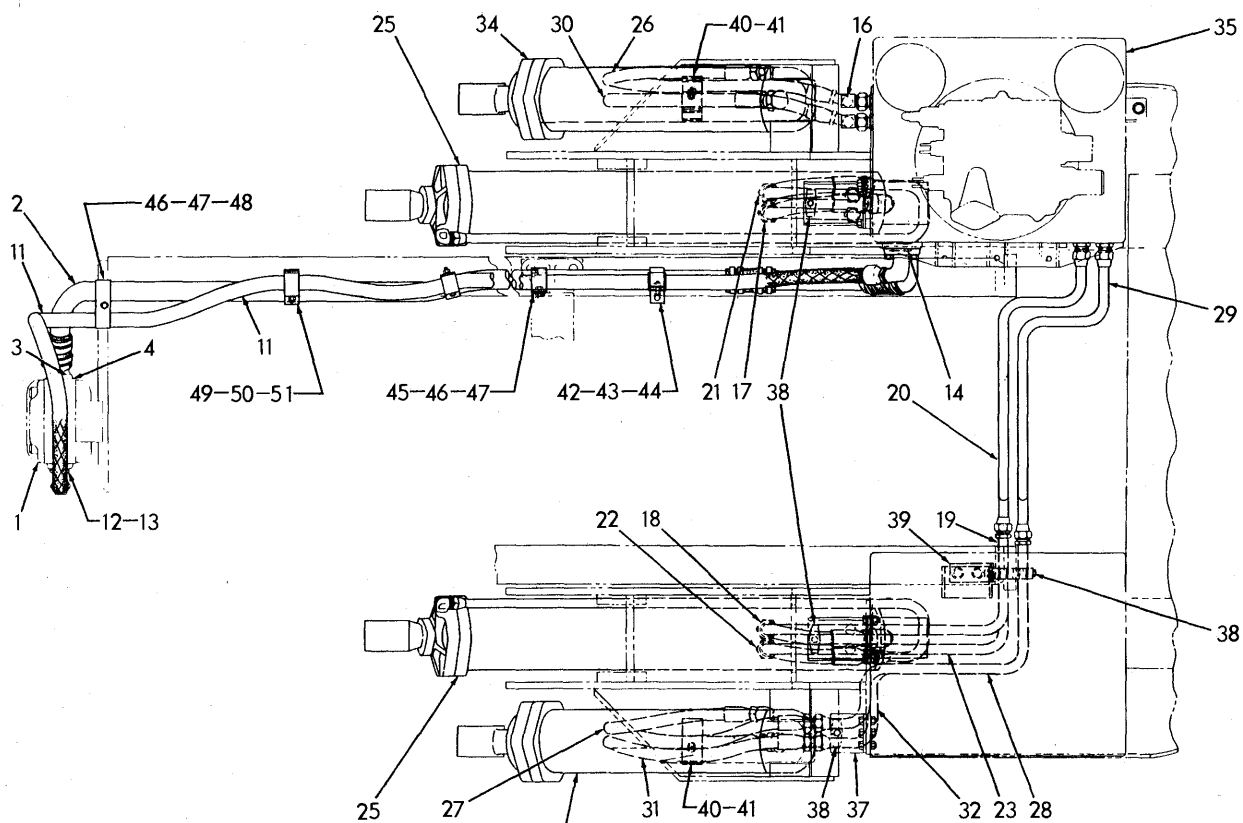
ITEM PART NO. QTY. DESCRIPTION

1	3017817	1	BOOM ASSEMBLY, left (Includes 2 BUSHING 625061, 2 BUSHING 626637, 1 BUSHING 3001066 and 1 PIN 3017726)
	3017818	1	BOOM ASSEMBLY, right (Includes 2 BUSHING 625061, 2 BUSHING 626637, 1 BUSHING 3001066 and 1 PIN 3017726)
2	626637	4	BUSHING, boom upper end
3	625061	4	BUSHING, boom lower end, inner
4	3001066	2	BUSHING, boom lower end, outer
5	3006440	2	PIN, boom pivot
6	914465	2	FITTING, lubricating, straight, 1/8"NPT
7	626543	2	WASHER, plain
8	3016028	2	NUT, lock
9	3006890	2	BAR, retaining, boom pivot pin
	916021	4	CAPSCREW, 5/8"NF x 2"
	904209	4	LOCKWASHER, 5/8"
	911044	4	NUT, 5/8"NF
9	3017726	2	PIN, cross link pivot (Requires welding to install)
	914465	2	FITTING, lubricating, straight, 1/8"NPT

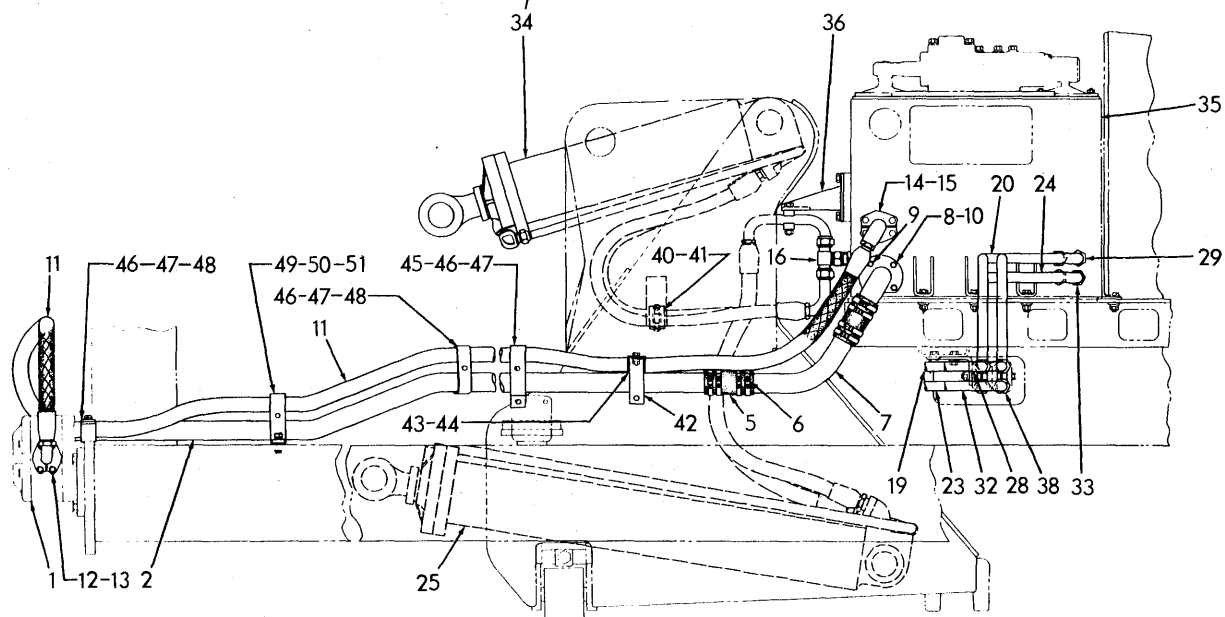
(Continued)

SHOVEL LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	3017730	2	PLATE, retaining, pivot pin
	3019643	6	CAPSCREW, 1"NF x 2-1/4"
	3013593	2	WIRE, locking, #14 x 11"
11	3019640	2	PIN, bucket pivot, outer
	914465	2	FITTING, lubricating, straight, 1/8"NPT
12	3001622	4	PIN, retaining, pivot pin
	900806	4	PIN, cotter, 3/16" x 1"
13	3006073	4	PIN, pivot, link and bucket
	914465	4	FITTING, lubricating, straight, 1/8"NPT
14	3009835	2	LINK ASSEMBLY, dump (Includes 2 BUSHING 625061)
	3015843	2	LINK ASSEMBLY, dump (For tip tack bucket only)(Includes 2 BUSHING 625061)
15	625061	4	BUSHING, dump link
16	624997	2	PIN, dump link, rear
	914465	2	FITTING, lubricating, straight, 1/8"NPT
17	3013568	2	PIN, retaining, pivot pin
	900810	2	PIN, cotter, 3/16" x 1-1/4"
18	3017842	1	LINK ASSEMBLY, cross, left (Includes 1 BUSHING 3017727 and 1 BUSHING 3004785)
	3017843	1	LINK ASSEMBLY, cross, right (Includes 1 BUSHING 3017727 and 1 BUSHING 3004785)
19	3004785	2	BUSHING, cross link, upper
20	3017727	2	BUSHING, cross link, lower
21	3009850	2	PIN, dump cylinder pivot, rear
22	3011625	8	PIN, retaining, pivot pin
	900810	8	PIN, cotter, 3/16" x 1-1/4"
23	3016462	2	PIN, dump cylinder pivot, front
	914465	2	FITTING, lubricating, straight, 1/8"NPT
24	3006370	2	PIN, lift cylinder pivot, rear
	914465	2	FITTING, lubricating, straight, 1/8"NPT
25	625191	2	PIN, lift cylinder pivot, front (Used prior to shovel #879)
	3020996	2	PIN, lift cylinder pivot, front (Effective with shovel #879)
26	3004999	2	TUBE ASSEMBLY, lubricating (flexible)(Includes nuts)
	915276	2	FITTING, lubricating, 90°, 1/8"NPT
	911049	2	NUT, jam, 5/8"NF



TOP VIEW



SIDE VIEW

HYDRAULIC CYLINDERS AND PIPING

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	PUMP AND DRIVE (See page 362 and 364)
2	3016489	1	TUBE, suction, pump to tank, front section
3	3016467	1	ADAPTER, suction tube
	913249	4	CAPSCREW, 1/2"NF x 1-1/4" (Used prior to shovel #1080)
	916311	4	CAPSCREW, 1/2"NC x 1-1/4" (Effective with shovel #1080)
	904208	4	LOCKWASHER, 1/2"
4	3011534	1	GASKET, adapter
5	3005005	3	HOSE, suction tube (2" I. D. x 5")
6	921913	12	CLAMP, hose, 1-13/16" to 2-3/4"
7	3010417	1	TUBE, suction, pump to tank, rear section
8	3012411	1	ELBOW, tube flange
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
9	917258	4	NUT, brass, 3/8"NC
10	626513	1	GASKET, tube elbow
11	3016481	1	HOSE ASSEMBLY, pressure, pump to tank (Consists of 122-1/2" of item 52 and parts listed on page 6)
12	923664	1	O-RING, pressure hose (pump end)
13	921117	2	FLANGE, split, hose attaching (half only)(pump end)
	916395	4	CAPSCREW, 7/16"NF x 1-1/4" (Used prior to shovel #1080)
	916197	4	CAPSCREW, 7/16"NC x 1-1/4" (Effective with shovel #1080)
	904207	4	LOCKWASHER, 7/16"
14	923578	1	O-RING, pressure hose (tank end)
15	921118	2	FLANGE, split, hose attaching (half only)(Tank end)
	913249	4	CAPSCREW, 1/2"NF x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
16	919625	4	ELBOW, swivel, 90° (Effective with shovel #533)
17	3016733	1	HOSE ASSEMBLY, lift cylinder raise, right (See page 6 for parts)
18	624973	1	HOSE ASSEMBLY, lift cylinder raise, left (See page 6 for parts)
19	3016736	1	TUBE ASSEMBLY, lift cylinder raise, left (front section. Includes nuts)
20	3016728	1	TUBE ASSEMBLY, lift cylinder raise, left (rear section, includes nuts)(Used prior to shovel #533)
	3019313	1	TUBE ASSEMBLY, lift cylinder raise, left (rear section, includes nuts)(Effective with shovel #533)

(Continued)

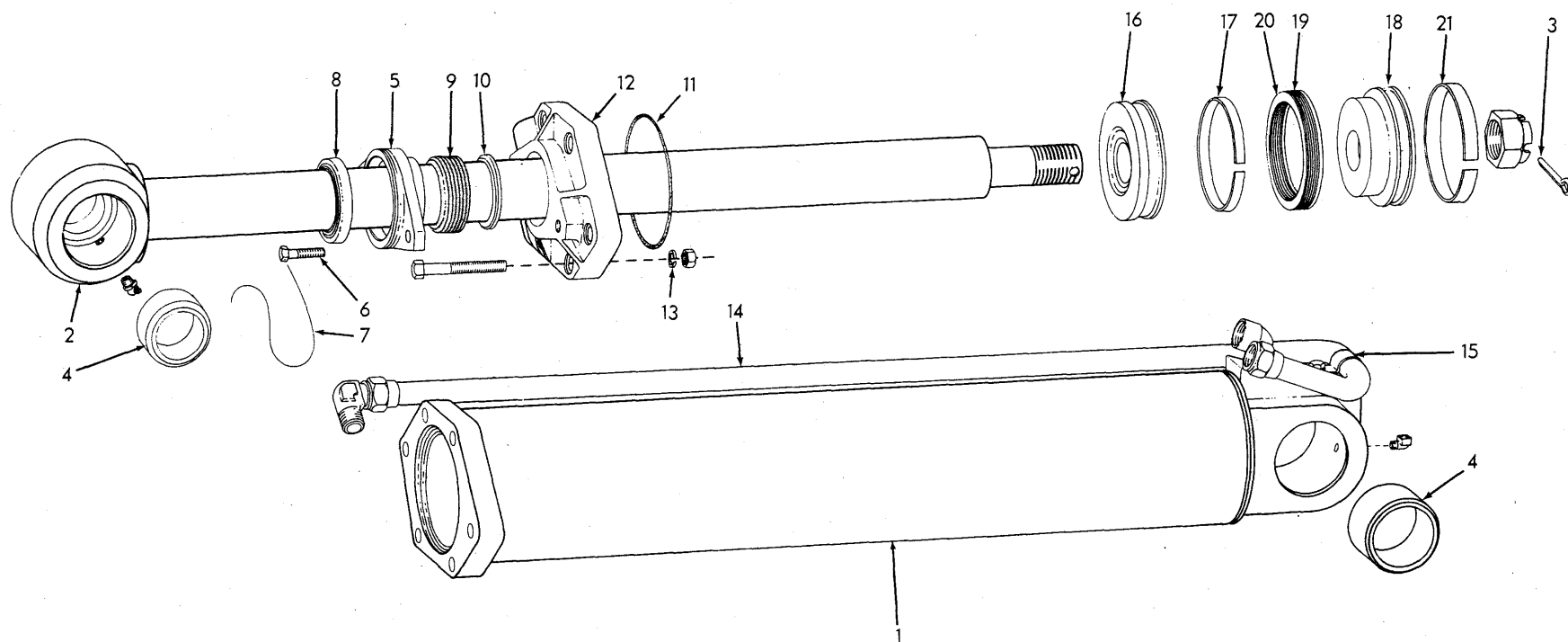
HYDRAULIC CYLINDERS AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	3016734	1	HOSE ASSEMBLY, lift cylinder drop, right (See page 6 for parts)
22	3012406	1	HOSE ASSEMBLY, lift cylinder drop, left (See page 6 for parts)
23	3016735	1	TUBE ASSEMBLY, lift cylinder drop, left (front section, includes nuts)
24	3016729	1	TUBE ASSEMBLY, lift cylinder drop, left (rear section, includes nuts)(Used prior to shovel #533)
	3019314	1	TUBE ASSEMBLY, lift cylinder drop, left (rear section, includes nuts)(Effective with shovel #533)
25	3006485	1	CYLINDER ASSEMBLY, lift, left (See page 357 for parts)(Used prior to shovel #1080)
	3019849	1	CYLINDER ASSEMBLY, lift, left (See page 359 for parts)(Effective with shovel #1080)
	3006486	1	CYLINDER ASSEMBLY, lift, right (See page 357 for parts)(Used prior to shovel #1080)
	3019850	1	CYLINDER ASSEMBLY, lift, right (See page 359 for parts)(Effective with shovel #1080)
26	3012403	1	HOSE ASSEMBLY, dump cylinder retracting, right (See page 6 for parts)
27	3012408	1	HOSE ASSEMBLY, dump cylinder retracting, left (See page 6 for parts)
28	3016807	1	TUBE ASSEMBLY, dump cylinder retracting, left (front section, includes nuts)
29	3016730	1	TUBE ASSEMBLY, dump cylinder retracting, left (rear section, includes nuts)(Used prior to shovel #533)
	3019315	1	TUBE ASSEMBLY, dump cylinder retracting, left (rear section, includes nuts)(Effective with shovel #533)
30	3012402	1	HOSE ASSEMBLY, right cylinder dump (See page 6 for parts)
31	3012407	1	HOSE ASSEMBLY, left cylinder dump (See page 6 for parts)
32	3016806	1	TUBE ASSEMBLY, left cylinder dump (front section, includes nuts)
33	3016731	1	TUBE ASSEMBLY, left cylinder dump (rear section, includes nuts) (Used prior to shovel #533)
	3019316	1	TUBE ASSEMBLY, left cylinder dump (rear section, includes nuts) (Effective with shovel #533)
34	3017819	2	CYLINDER ASSEMBLY, dump (See page 361 for parts)
35	-----	1	TANK (See Hydraulic Tank)
	913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	916028	4	CAPSCREW, 1/2"NF x 1-3/4"
	3011243	11	WASHER, plain
	904208	7	LOCKWASHER, 1/2"
	911043	7	NUT, 1/2"NF
	3011845	-	SPACER, bolt flange
	626658	-	SPACER, bolt flange
			} Use as required prior to shovel #533
36	3016881	2	BRACKET, supporting, hose clamp
	913249	4	CAPSCREW, 1/2"NF x 1-1/4"
	914875	4	CAPSCREW, 1/2"NF x 1"
	910244	8	WASHER, plain, SAE std., 1/2"
	904208	8	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF

(Continued)

HYDRAULIC CYLINDERS AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
37	3016882	1	BRACKET, supporting, hose clamp
	913249	3	CAPSCREW, 1/2"NF x 1-1/4"
	910244	3	WASHER, plain, SAE std., 1/2"
	904208	3	LOCKWASHER, 1/2"
	911043	3	NUT, 1/2"NF
38	624931	10	CLAMP, cylinder hose (half only)
	916428	1	CAPSCREW, 1/2"NF x 5"
	916423	3	CAPSCREW, 1/2"NF x 3"
	910244	4	WASHER, plain, SAE std., 1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
39	3016889	1	BRACKET, supporting, hose clamp
	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"NF
40	3012444	2	CLAMP, cylinder hose (half only)
	916420	2	CAPSCREW, 1/2"NF x 2-1/4"
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
41	3017307	2	SPACER, hose clamp
42	3016876	1	PLATE, supporting, hose clamp
	916225	1	CAPSCREW, 3/8"NF x 1"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
43	3016877	1	CLAMP, suction and pressure line
	916225	1	CAPSCREW, 3/8"NF x 1"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
44	625097	1	STRIP, spacing (rubber)
45	3016878	1	PLATE, supporting, hose clamp
	916313	1	CAPSCREW, 1/2"NC x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
46	3009838	3	CLAMP, suction and pressure line
	916387	1	CAPSCREW, 3/8"NF x 2-1/2"
	916388	1	CAPSCREW, 3/8"NF x 2-3/4"
	904206	2	LOCKWASHER, 3/8"
47	625099	3	SPACER, hose clamp
48	3009851	2	PLATE, supporting, hose clamp
	916313	1	CAPSCREW, 1/2"NC x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
49	3009969	1	BRACKET, supporting, hose clamp
	916385	1	CAPSCREW, 3/8"NF x 2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
50	3009989	1	CLAMP, suction and pressure line
	916388	1	CAPSCREW, 3/8"NF x 2-3/4"
	904206	1	LOCKWASHER, 3/8"
51	3009997	1	BLOCK, spacing, hose clamp
52	3016469	-	GUARD, hose, 1-15/32" O.D., 14 ft. roll (Use as required) (Not illustrated)



LIFT CYLINDER ASSEMBLIES 3006485 AND 3006486

T-36259

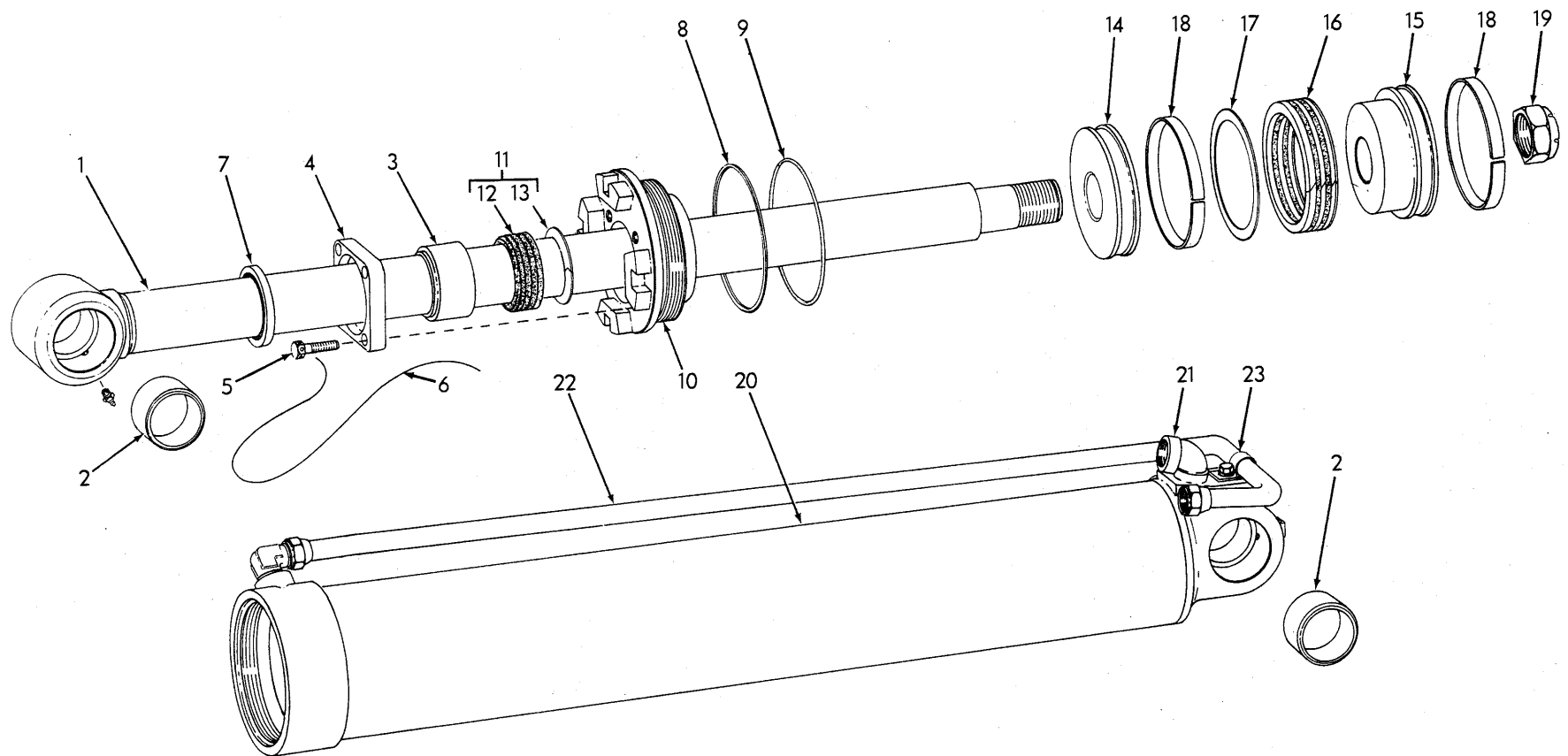
LIFT CYLINDER ASSEMBLIES 3006485 AND 3006486

USAGE: See page 353

ITEM PART NO. QTY. DESCRIPTION

NOTE: Quantities indicated are for one (1) cylinder only

1	3006491	1	TUBE ASSEMBLY, cylinder (Includes 2 BUSHING 3001119)
	915399	1	ELBOW, street, brass, 90°, 1/8"NPT
2	3006488	1	ROD ASSEMBLY, piston (Includes 2 BUSHING 3001119)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
	911058	1	NUT, castle, 1-1/2"NF
3	901345	1	PIN, cotter, 1/4" x 2-1/2"
4	3001119	4	BUSHING, piston rod and cylinder tube
5	625038	1	GLAND, rod packing
6	3001090	2	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4"
7	3001085	1	WIRE, locking, #16 x 17"
8	3001538	1	SEAL, piston rod wiping
9	3001545	1	PACKING SET, rod (Consists of 5 RING 3001534)
	3001534	5	RING, packing (duck)
10	3001532	1	RING, adapter, male
11	625037	1	O-RING, cylinder head
12	625041	1	HEAD, cylinder
	915985	6	CAPSCREW, 5/8"NF x 3-1/2"
13	904209	6	LOCKWASHER, 5/8"
	911044	6	NUT, 5/8"NF
14	3006501	1	TUBE ASSEMBLY, oil, left cylinder (Includes nuts)
	3006502	1	TUBE ASSEMBLY, oil, right cylinder (Includes nuts)
	920686	1	ELBOW, flare type, 1" tube, 1"NPT male
15	3011248	1	CLIP, tube supporting
	915408	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
16	3007991	1	PISTON, front
17	3001850	1	RING, bearing, front piston (1/2" wide)
18	3007992	1	PISTON, rear
19	3004549	1	PACKING SET, piston
20	3007809	-	SHIM, spacing (Use as required)
21	3004878	1	RING, bearing, rear piston (3/4" wide)
22	3013193	1	REPAIR KIT (Consists of items 3, 5 thru 11, 13, 17, 19 and 21) (Not illustrated)



LIFT CYLINDER ASSEMBLIES 3019849 AND 3019850

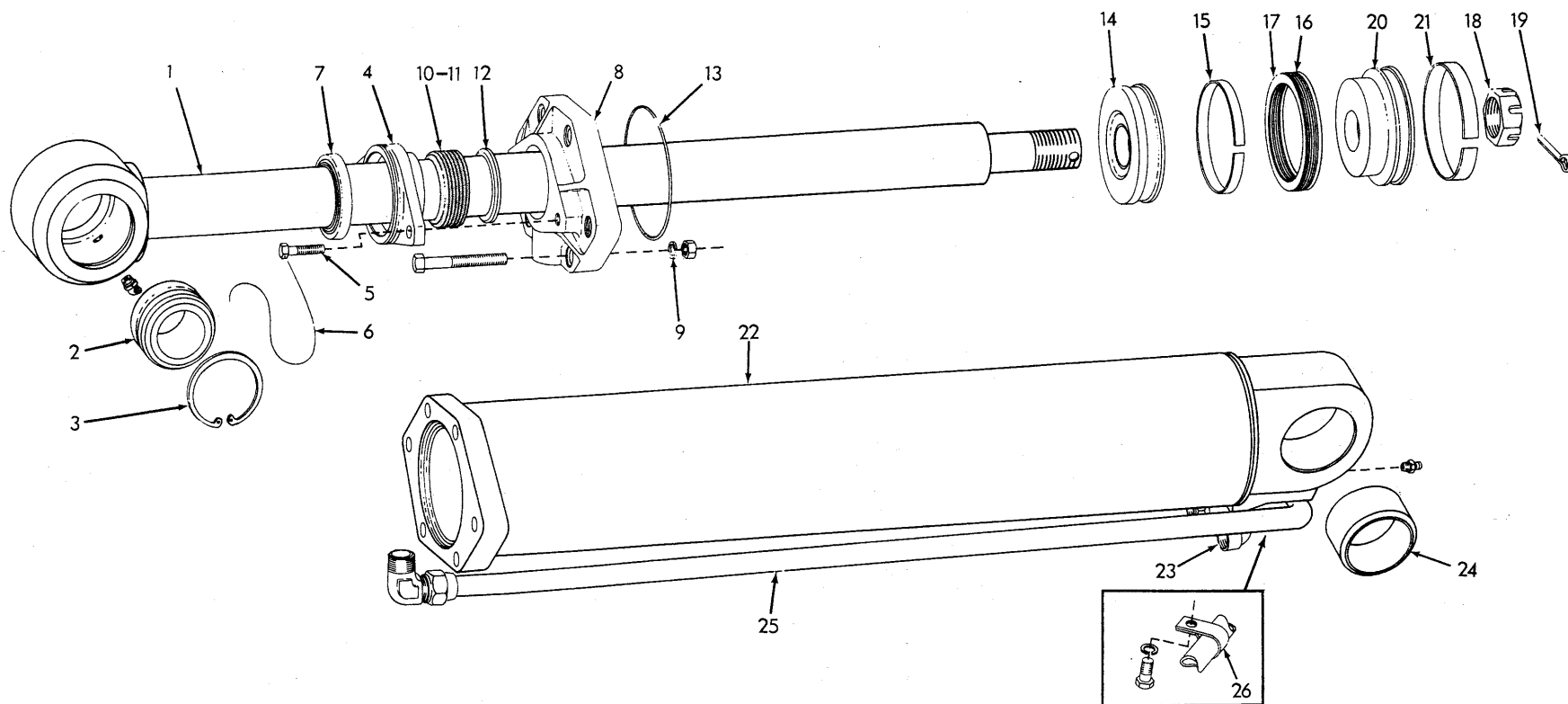
LIFT CYLINDER ASSEMBLIES 3019849 AND 3019850

USAGE: See page 353

ITEM PART NO. QTY. DESCRIPTION

NOTE: Quantities indicated are for one (1) cylinder only

1	3019847	1	ROD ASSEMBLY, piston (Includes 2 BUSHING 3001119)
	914465	4	FITTING, lubricating, straight, 1/8"NPT
2	3001119	4	BUSHING, piston rod and cylinder tube
3	3019891	1	GLAND, rod packing
4	3019937	1	PLATE, end
5	3001090	4	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4"
6	3001085	2	WIRE, locking, #16 x 17"
7	3008139	1	SEAL, piston rod wiping
8	3019839	1	RING, back up (Also order 1 O-RING 3011905)
9	3011905	1	O-RING, cylinder head (Also order 1 RING 3019839)
10	3019859	1	HEAD, cylinder
11	3021362	1	PACKING SET, rod (Consists of items 12 and 13)
12	3008146	4	RING, packing (duck)
13	3008147	1	RING, adapter, male
14	3019866	1	PISTON, front
15	3019867	1	PISTON, rear
16	3019835	1	PACKING SET, piston
17	3019833	-	SHIM, spacing (Use as required)
18	3019828	2	RING, bearing (3/4" wide)
19	3017556	1	NUT, locking (special)
20	3019861	1	TUBE ASSEMBLY, left cylinder (Includes ELBOW 3002073 and 2 BUSHING 3001119)
	3019862	1	TUBE ASSEMBLY, right cylinder (Includes ELBOW 3002073 and 2 BUSHING 3001119)
21	915399	1	ELBOW, street, brass, 90°, 1/8"NPT
	3002073	1	ELBOW, 90°, (requires welding to install)
22	3019897	1	TUBE ASSEMBLY, oil, left cylinder (Includes nuts)
	3019898	1	TUBE ASSEMBLY, oil, right cylinder (Includes nuts)
	920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT male
23	3011248	1	CLIP, tube supporting
	915408	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
24	3023544	1	REPAIR KIT (Consists of items 3, 5 thru 9, 12, 13, 16 and 18) (Not illustrated)

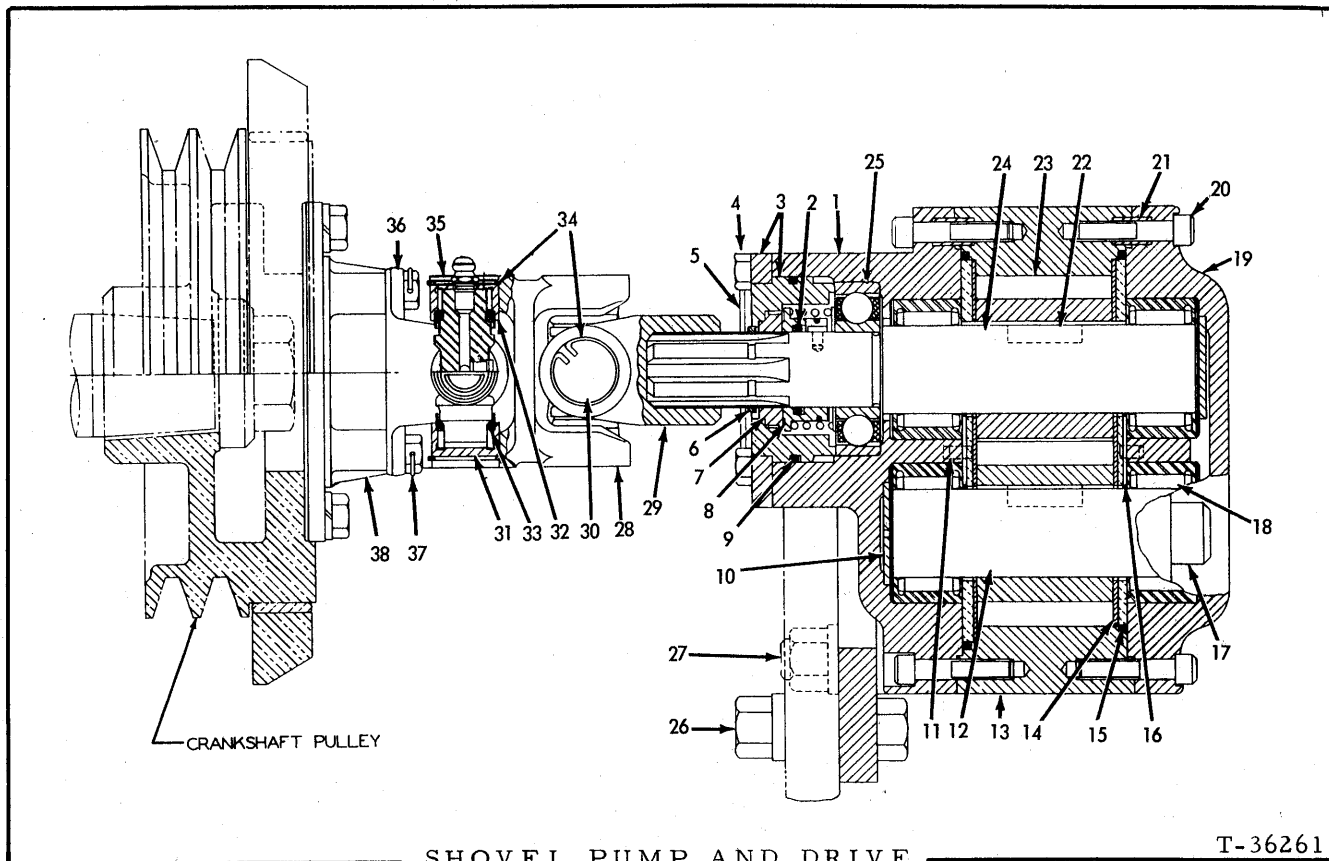


DUMP CYLINDER ASSEMBLY 3017819

DUMP CYLINDER ASSEMBLY 3017819

USAGE: See page 353

ITEM	PART NO.	QTY.	DESCRIPTION
1	3012298	1	ROD ASSEMBLY, piston (Includes item 2)(Used prior to shovel #331)
	3026238	1	ROD ASSEMBLY, piston (Includes items 2 and 3)(Effective with shovel #331)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
2	3001119	2	BUSHING, piston rod (Used prior to shovel #331)
	3016458	1	BUSHING, piston rod (Effective with shovel #331)
3	3016457	1	RING, snap (Effective with shovel #331)
4	625038	1	GLAND, packing
5	3001090	2	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4"
6	3001085	1	WIRE, locking, #16 x 17"
7	3001538	1	SEAL, piston rod wiping
8	625041	1	HEAD, cylinder
	915985	6	CAPSCREW, 5/8"NF x 3-1/2"
9	904209	6	LOCKWASHER, 5/8"
	911044	6	NUT, 5/8"NF
10	3001545	1	PACKING SET, rod (Consists of 5 RING 3001534)
11	3001534	5	RING, packing (duck)
12	3001532	1	RING, adapter, male
13	625037	1	O-RING, cylinder head
14	3007995	1	PISTON, front
15	3001850	1	RING, bearing (1/2" wide)
16	3004549	1	PACKING SET, piston
17	3007809	-	SHIM, spacing (Use as required)
18	918530	1	NUT, slotted (2"NF)
19	904015	1	PIN, cotter, 3/8" x 3-1/2"
20	3007996	1	PISTON, rear
21	3004878	1	RING, bearing (3/4" wide)
22	3012299	1	TUBE ASSEMBLY, cylinder (Includes items 23 and 24)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
23	3001130	1	ELBOW, 90°, (requires welding to install)
24	3001119	2	BUSHING, cylinder pivot
25	3011346	1	TUBE ASSEMBLY, oil (Includes nuts)
	922318	1	ELBOW, 90°, flare type, 3/4" tube, 1"NPT male
26	3021950	1	CLIP, tube supporting
	915408	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
27	3013193	1	REPAIR KIT, (Consists of items 4 thru 7, 9, 11, 12, 13, 15, 16, 19 and 21)(Not illustrated)



USAGE: Shovels prior to serial No. 1080

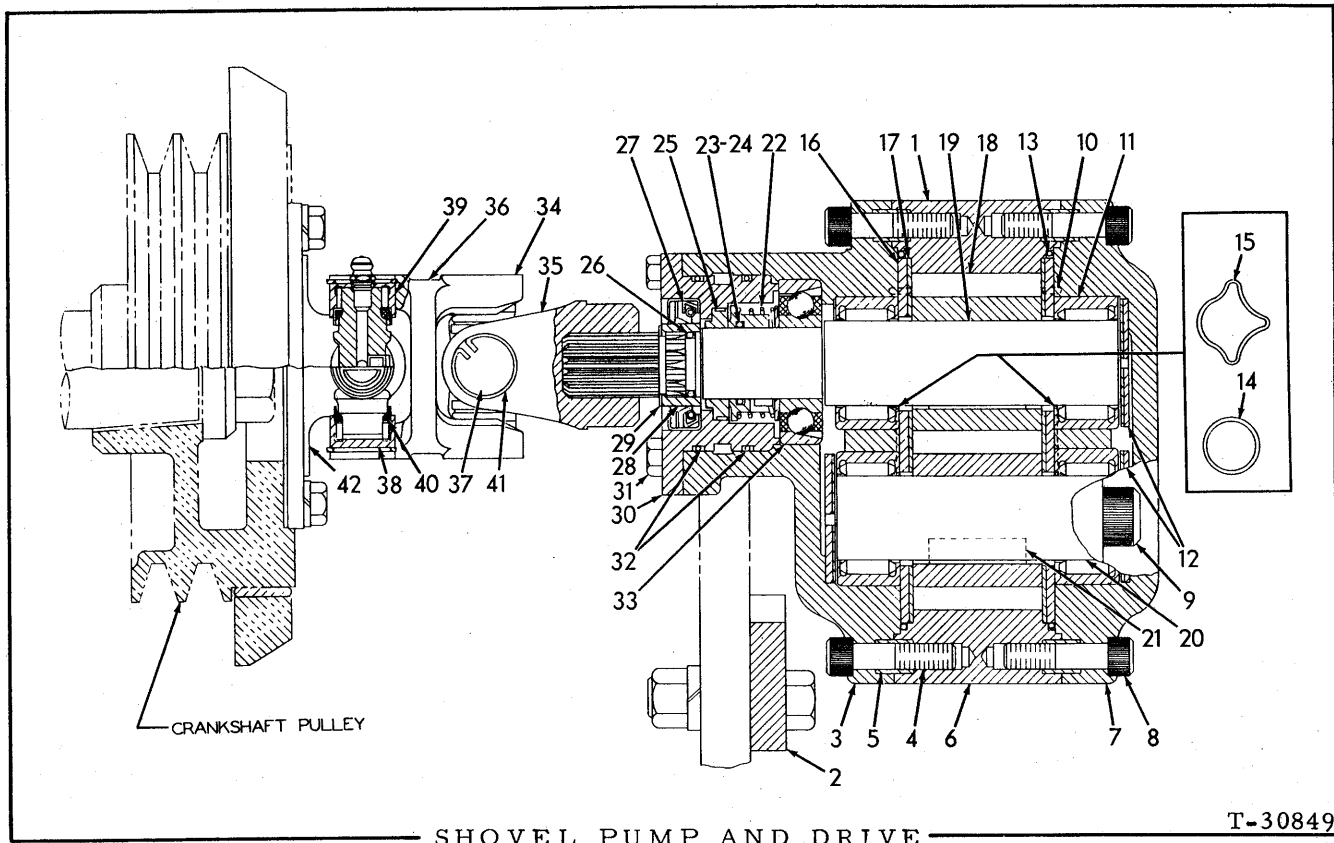
ITEM PART NO. QTY. DESCRIPTION

1	-----	1	PUMP ASSEMBLY (Includes 1 COVER 3011904 and items 2 thru 25) (Order PUMP ASSEMBLY 3023872 and items listed on Parts Bulletin CM-271)
	3011904	1	COVER, front
2	923813	1	O-RING, drive shaft (Also order 1 RING 3012681)
	3012681	1	RING, back-up, drive shaft (Also order 1 O-RING 923813)
3	3011877	1	RETAINER ASSEMBLY, seal (Serviced only as a unit)
4	3023347	6	CAPSCREW, self-locking, 3/8"NF x 1"
5	3010603	1	WIRE, locking #12 x 22"
6	3011908	1	RING, snap, seat retaining
7	3011910	1	SEAT ASSEMBLY, drive shaft seal (Serviced only as a unit)
8	3011911	1	SEAL ASSEMBLY, drive shaft (Includes item 2)(Also order 1 SEAT ASSEMBLY 3011910)
9	923585	1	O-RING, retainer
10	3011884	3	WASHER, thrust
11	3012605	2	PIN, dowel, pump housing

(Continued)

SHOVEL PUMP AND DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	3011906	1	SHAFT, driven
13	3011880	1	HOUSING, pump
14	3023860	-	SHIM, bearing adjusting (Use as required)
15	3011886	2	PLATE, wear
	3011905	2	O-RING, pump housing (large)
16	923664	4	O-RING, pump housing (small)
17	3007316	4	CAPSCREW, socket-hd., 7/8"NF x 4-1/2"
18	3033933	4	BEARING, roller
19	3011885	1	COVER, end
20	3011881	4	CAPSCREW, socket-hd., 3/8"NF x 1-3/4"
21	3011883	2	SLEEVE, pump housing capscrew
22	3012564	2	KEY, straight
23	3011879	2	GEAR
24	3011909	1	SHAFT, drive
25	3011878	1	BEARING, ball, drive shaft
26	3006416	1	PLATE, pump mounting
27	916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	916330	2	CAPSCREW, 3/4"NF x 2"
	916332	2	CAPSCREW, 3/4"NF x 2-1/2"
	904369	8	LOCKWASHER, 3/4"
	911045	6	NUT, 3/4"NF
28	3016253	1	JOINT ASSEMBLY, universal (Includes items 29 thru 38)
29	3011379	1	YOKE, front (splined)
30	3011020	2	SPIDER ASSEMBLY (Includes PLUG and FITTING indented below and items 31 thru 34)
	910230	2	PLUG, pipe, slotted-hd., 1/8"NPT
	914465	2	FITTING, lubricating, straight, 1/8"NPT
31	3011022	6	BEARING ASSEMBLY, needle (Serviced only as a unit)
32	3011024	2	BEARING ASSEMBLY, needle (Has lubricating hole)(Serviced only as a unit)
33	3011023	16	WASHER, sealing, spider bearing
34	3011021	8	RING, snap, spider bearing
35	3011047	1	CENTER, double yoke
36	3011376	1	YOKE, rear (flanged)
37	3011027	4	CAPSCREW, drilled-hd., 7/16"NF x 3/4"
	3007380	2	WIRE, locking, #16 x 12"
38	3016182	1	FLANGE, rear yoke
	916311	6	CAPSCREW, 1/2"NC x 1-1/4"
	904208	6	LOCKWASHER, 1/2"



USAGE: Effective with Shovel serial No. 1080

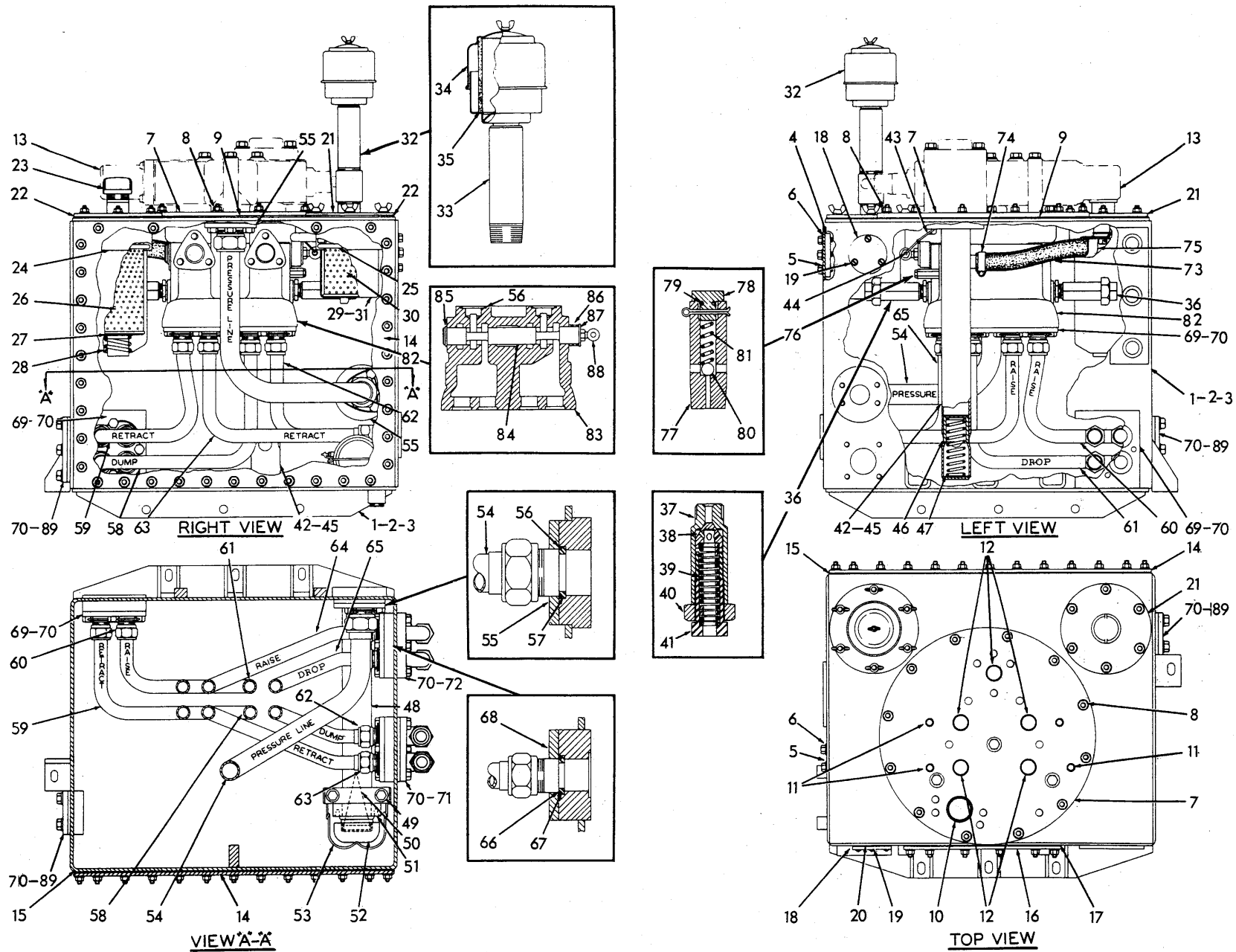
ITEM PART NO. QTY. DESCRIPTION

1	3023872	1	PUMP ASSEMBLY (Includes items 3 thru 33)
	916330	4	CAPSCREW, 3/4"NF x 2"
	904369	4	LOCKWASHER, 3/4"
2	3006416	1	PLATE, pump mounting
	916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	904369	4	LOCKWASHER, 3/4"
	911045	4	NUT, 3/4"NF
3	3024426	1	COVER, front
4	3023853	2	CAPSCREW, socket-hd., 1/2"NF x 1-3/4"
5	3024417	4	SLEEVE, pump housing capscrew
6	3023852	1	HOUSING, pump
7	3024418	1	COVER, end
8	3023853	2	CAPSCREW, socket-hd., 1/2"NF x 1-3/4"
9	606660	4	CAPSCREW, socket-hd., 7/8"NF x 5"
10	916169	2	PIN, dowel, pump housing
11	3033933	4	BEARING, roller
12	3011884	3	WASHER, thrust
13	3011905	2	O-RING, pump housing (large)

(Continued)

SHOVEL PUMP AND DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	923578	2	O-RING, pump housing (small)
15	3023858	2	RING, sealing
16	606360	2	PLATE, wear
17	3023860	-	SHIM, bearing adjusting (Use as req'd)
18	3011879	2	GEAR
19	3023867	1	SHAFT, drive
20	3023864	1	SHAFT, driven
21	3023856	2	KEY, straight
22	3023871	1	SEAL ASSEMBLY, drive shaft (Includes items 23 and 24)
23	923813	1	O-RING, drive shaft (Also order 1 RING 3012681)
24	3012681	1	RING, back-up, drive shaft (Also order 1 O-RING 923813)
25	3011910	1	SEAT ASSEMBLY, drive shaft seal (Serviced only as a unit)
26	3023868	1	O-RING, drive shaft
27	3023869	1	SEAL, drive shaft
28	3023865	1	SPACER, drive shaft seal
29	3022402	1	RING, snap, spacer retaining
30	3023870	1	RETAINER, seal
31	3023347	6	CAPSCREW, self-locking, 3/8"NF x 1"
32	923585	2	O-RING, retainer
33	3011878	1	BEARING, ball, drive shaft
34	3023817	1	JOINT ASSEMBLY, universal (Includes items 35 thru 42)
35	3023815	1	YOKE, front (splined)
36	3011047	1	CENTER, double yoke
37	3011020	2	SPIDER ASSEMBLY (Includes PLUG and FITTING indented below and items 38 thru 41)
	910230	2	PLUG, pipe, slotted-hd., 1/8"NPT
	914465	2	FITTING, lubricating, straight, 1/8"NPT
38	3011022	6	BEARING ASSEMBLY, needle (Serviced only as a unit)
39	3011024	2	BEARING ASSEMBLY, needle (Has lubricating hole) (Serviced only as a unit)
40	3011023	16	WASHER, sealing, spider bearing
41	3011021	8	RING, snap, spider bearing
42	625524	1	YOKE, rear (flanged)
	919230	6	CAPSCREW, 1/2"NC x 1-3/8"
	904208	6	LOCKWASHER, 1/2"



HYDRAULIC TANK

USAGE: Shovels prior to serial No. 533

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	TANK AND VALVE ASSEMBLY, hydraulic (Consists of items 2 thru 89)(Order TANK AND VALVE ASSEMBLY 3019317. When making initial replacement also order 4 ELBOWS 919625)
2	-----	1	TANK ASSEMBLY, hydraulic (Consists of items 3 thru 9 and 14 thru 89)(Order TANK ASSEMBLY 3019342. When making initial replacement also order 4 ELBOWS 919625)
	909091	1	PLUG, pipe, ctsk-hd., 3/4"NPT
3	3010623	1	TANK, hydraulic (Includes welded studs)
4	626704	1	PLATE, cover (Discard when installing Power Take-Off)
	916381	2	CAPSCREW, 3/8"NF x 3/4"
5	625084	2	WASHER, sealing
	920601	1	CAPSCREW, 7/16"NF x 7/8"
6	625085	1	WASHER, sealing
7	3010597	1	PLATE, valve mounting
	913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
	904206	12	LOCKWASHER, 3/8"
8	3019683	12	NUT, aluminum, 3/8"NC
9	626702	1	GASKET, valve mounting plate
10	923814	1	O-RING, valve mounting (large)
11	923565	4	O-RING, valve mounting (small)
12	923577	5	O-RING, valve mounting (medium)
13	-----	1	VALVE ASSEMBLY, control (See SHOVEL VALVE AND CONTROLS)
	916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	904208	8	LOCKWASHER, 1/2"
14	626670	1	COVER, tank side
	904206	35	LOCKWASHER, 3/8"
	3019683	35	NUT, aluminum, 3/8"NC
15	626671	1	GASKET, tank side cover
16	3010921	1	COVER, valve inspection
	904206	12	LOCKWASHER, 3/8"
	3019683	12	NUT, aluminum, 3/8"NC
17	626677	1	GASKET, inspection cover
18	626678	1	COVER, diverter valve plunger
	914108	3	SCREW, machine, 1/4"NF x 5/8"
19	625086	3	WASHER, sealing
20	625087	1	GASKET, diverter valve plunger
21	3010704	2	COVER, breather and filter
	904206	12	LOCKWASHER, 3/8"
	915017	6	NUT, wing, 3/8"NC
	3019683	6	NUT, aluminum, 3/8"NC
22	626685	2	GASKET, breather and filter cover (See item 90)
23	3016858	1	DIPSTICK, oil level
24	3013122	1	CASE, oil filter
25	923836	2	O-RING, filter cases
26	-----	1	ELEMENT, oil filter (Order item 90)
27	045143	1	WASHER, element retaining
28	3012944	1	SPRING, element retaining

(Continued)

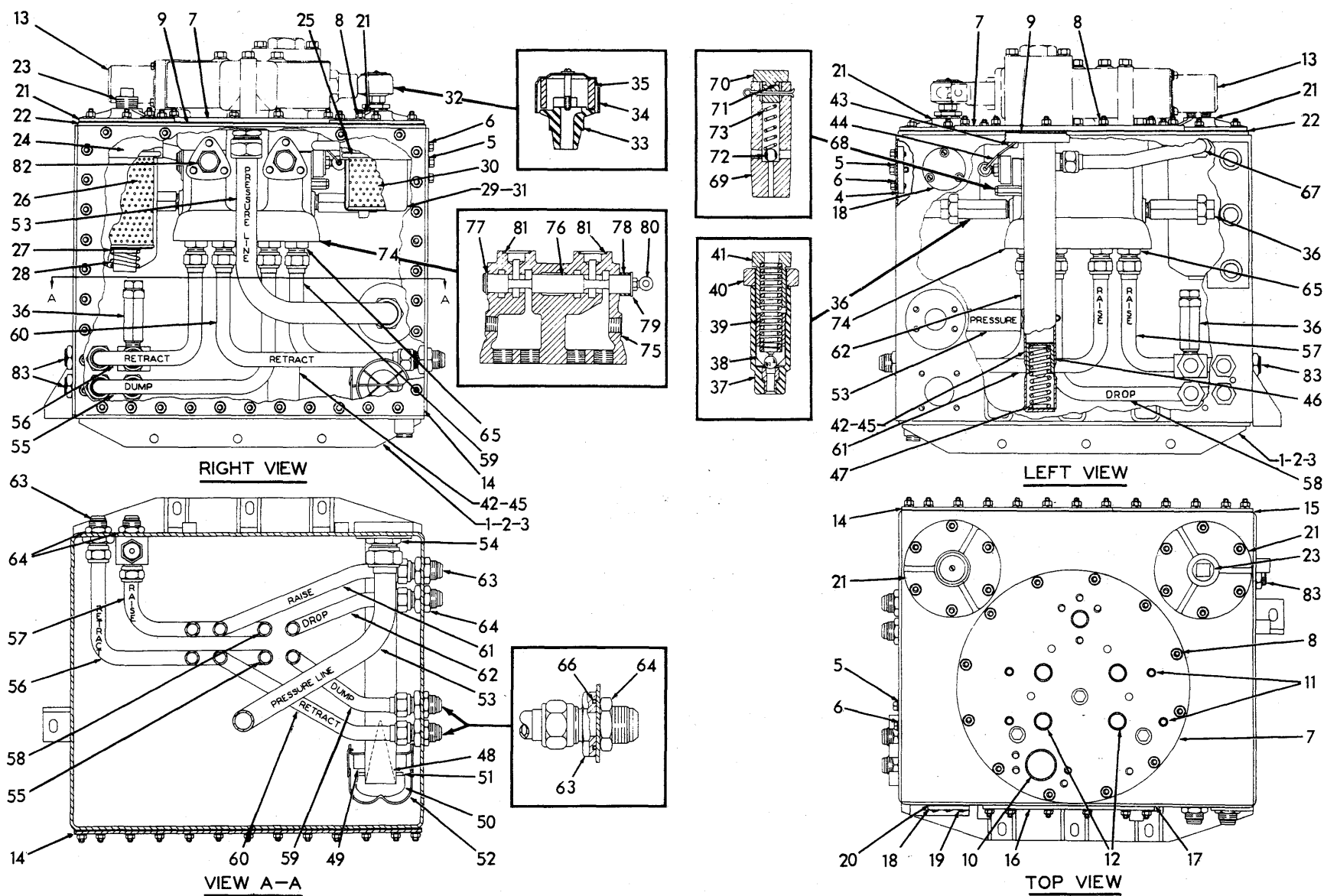
HYDRAULIC TANK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	3010691	1	CASE, air filter
30	-----	1	ELEMENT, air filter (Order item 90)
31	3010655	1	GASKET, air filter case
32	3010481	1	BREATHER ASSEMBLY (Includes items 33 thru 35)
	901769	1	COUPLING, pipe, 1-1/4"NPT
33	3010482	1	BASE, breather
34	3006745	1	CAP, breather
	3006744	1	SCREW
35	-----	1	ELEMENT, breather (Order item 90)
36	3020506	2	VALVE ASSEMBLY, relief (Includes items 37 thru 41)
	901829	2	BUSHING, pipe reducing, 1"NPT to 3/4"NPT
37	3019598	2	BODY, relief valve
38	3019977	2	PLUNGER ASSEMBLY, relief valve (Includes ball)
39	3016277	2	SPRING, relief valve
40	3020521	2	NUT, relief valve cap
41	3016278	2	CAP, relief valve
42	3014395	1	PIPE, discharge
	910910	1	PIN, cotter, 7/32" x 3"
43	3011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
44	3007380	1	WIRE, locking, #16 x 12"
45	626705	1	GASKET, discharge pipe
46	626691	1	PLUNGER, discharge pipe
47	626692	1	SPRING, discharge pipe
48	626857	1	TUBE, suction
49	3010941	1	CLAMP, suction tube (bottom half)
	3011923	1	CLAMP, suction tube (top half)
	3011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
	3007380	1	WIRE, locking, #16 x 12"
50	626688	1	STRAINER, suction line
51	3011349	1	MAGNET, suction line
52	3011930	1	BAFFLE, suction line
53	3011928	1	BAIL, suction line baffle
54	3016317	1	TUBE ASSEMBLY, main pressure (Includes nuts)
55	3016607	2	RETAINER, tube adapting
	3011789	6	CAPSCREW, drilled-hd., 1/2"NF x 1"
	3007380	2	WIRE, locking, #16 x 12"
56	923577	6	O-RING, tube adapting retainer and diverting valve
57	3016341	2	SLEEVE, o-ring retaining
58	3016316	1	TUBE ASSEMBLY, dump pressure, left cylinder (Includes nuts)
59	3016310	1	TUBE ASSEMBLY, retract pressure, left cylinder (Includes nuts)
60	3016315	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts)
61	3016330	1	TUBE ASSEMBLY, drop pressure, left cylinder (Includes nuts)
62	3016312	1	TUBE ASSEMBLY, dump pressure, right cylinder (Includes nuts)
63	3016314	1	TUBE ASSEMBLY, retract pressure, right cylinder (Includes nuts)

(Continued)

HYDRAULIC TANK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
64	3016313	1	TUBE ASSEMBLY, raise pressure, right cylinder (Includes nuts)
65	3016311	1	TUBE ASSEMBLY, drop pressure, right cylinder (Includes nuts)
66	923649	16	O-RING, tube adapting plate
67	625077	16	SLEEVE, o-ring retaining
68	625102	2	PLATE, tube adapting
	3011789	6	CAPSCREW, drilled-hd., 1/2"NF x 1"
	3007380	2	WIRE, locking, #16 x 12"
69	3016335	4	PLATE, tube adapting
	3011789	12	CAPSCREW, drilled-hd., 1/2"NF x 1"
	3007380	6	WIRE, locking, #16 x 12"
	914875	3	CAPSCREW, 1/2"NF x 1"
	3010837	3	WASHER, sealing
70	923664	10	O-RING, adapting plate
71	3011506	1	PLATE, tube adapting
	914875	3	CAPSCREW, 1/2"NF x 1"
	3010837	3	WASHER, sealing
72	3010609	1	PLATE, tube adapting
	914875	3	CAPSCREW, 1/2"NF x 1"
	3010837	3	WASHER, sealing
73	3011356	1	HOSE, oil filter
74	921911	2	CLAMP, hose, 11/16" to 1-1/4" diam.
75	3011755	1	CLIP, hose, oil filter
	3011789	1	CAPSCREW, drilled-hd., 1/2"NF x 1"
	3013079	1	WIRE, locking, #16 x 8"
76	626698	1	VALVE ASSEMBLY, check (Consists of items 77 thru 81)
77	-----	1	BODY, check valve (Not serviced separately. Order item 76)
78	-----	1	CAP, check valve (Not serviced separately. Order item 76)
	904020	1	PIN, cotter, 1/16" x 1"
79	923558	1	O-RING, check valve
80	905358	1	BALL, check valve (1/4" diam.)
81	3007405	1	SPRING, check valve
82	3010878	1	VALVE ASSEMBLY, diverting (Consists of items 83 thru 88)
83	-----	1	HOUSING, diverter valve (Not serviced. Order item 82)
84	-----	1	PLUNGER, diverter valve (Not serviced. Order item 82)
85	3007239	1	RING, snap, valve plunger
86	3012461	1	SPACER, valve plunger
87	914906	1	WASHER, retaining, valve plunger (17/32" I. D.)
88	3010871	1	EYE, valve plunger
	913177	1	NUT, jam, 1/2"NF
	3010603	1	WIRE, locking, #16 x 22"
89	3011335	1	PLATE, adapting (For use when installing Power Take-off)
	914875	3	CAPSCREW, 1/2"NF x 1"
	3010837	3	WASHER, sealing
90	3019696	1	ELEMENT KIT, filter and breather (Consists of items 22, 26, 30, and 35)(Not illustrated)



HYDRAULIC TANK

USAGE: Effective with shovel serial No. 533

ITEM	PART NO.	QTY.	DESCRIPTION
1	3019317	1	TANK AND VALVE ASSEMBLY, hydraulic (Consists of items 2 thru 83)
2	3019342	1	TANK ASSEMBLY, hydraulic (Consists of 1 PLUG 909091, items 3 thru 9 and 14 thru 83)
	909091	1	PLUG, pipe, ctsk-hd., 3/4"NPT
3	626667	1	TANK, hydraulic (Includes welded studs)
4	626704	1	PLATE, cover (Discard when installing Power Take-off)
	920601	1	CAPSCREW, 7/16"NF x 7/8"
5	625085	1	WASHER, sealing
	916381	2	CAPSCREW, 3/8"NF x 3/4"
6	625084	2	WASHER, sealing
7	626669	1	PLATE, valve mounting
	913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
	904206	12	LOCKWASHER, 3/8"
8	3019683	12	NUT, aluminum, 3/8"NC
9	626702	1	GASKET, valve mounting plate
10	923814	1	O-RING, valve mounting (large)
11	923565	4	O-RING, valve mounting (small)
12	923577	5	O-RING, valve mounting (medium)
13	-----	1	VALVE ASSEMBLY, control (See SHOVEL VALVE AND CONTROLS)
	916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	904208	8	LOCKWASHER, 1/2"
14	626670	1	COVER, tank side
	904206	35	LOCKWASHER, 3/8"
	3019683	35	NUT, aluminum, 3/8"NC
15	626671	1	GASKET, tank side cover
16	626676	1	COVER, valve inspection
	904206	12	LOCKWASHER, 3/8"
	3019683	12	NUT, aluminum, 3/8"NC
17	626677	1	GASKET, inspection cover
18	626678	1	COVER, diverter valve plunger
	914108	3	SCREW, machine, 1/4"NF x 5/8"
19	625086	3	WASHER, sealing
20	625087	1	GASKET, diverter valve plunger
21	3019284	2	COVER, breather and filter
	904206	12	LOCKWASHER, 3/8"
	3019683	12	NUT, aluminum, 3/8"NC
22	626685	2	GASKET, breather and filter cover (See item 84)
23	626701	1	DIPSTICK, oil level

(Continued)

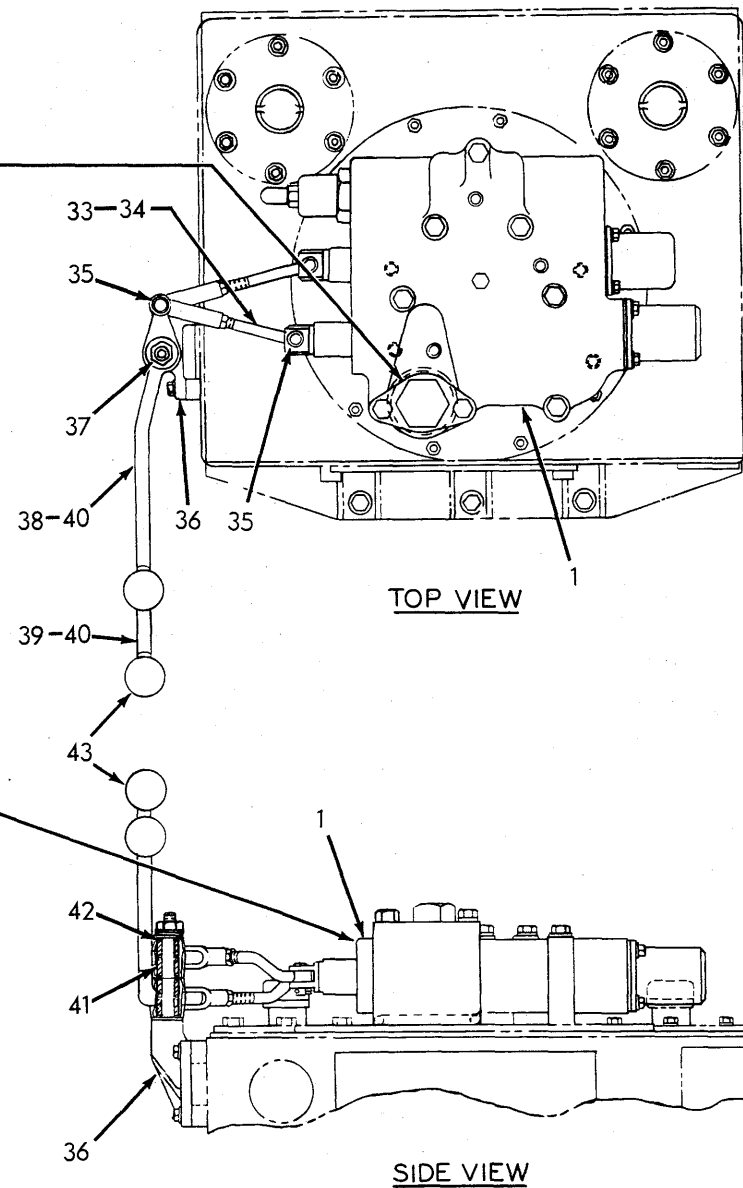
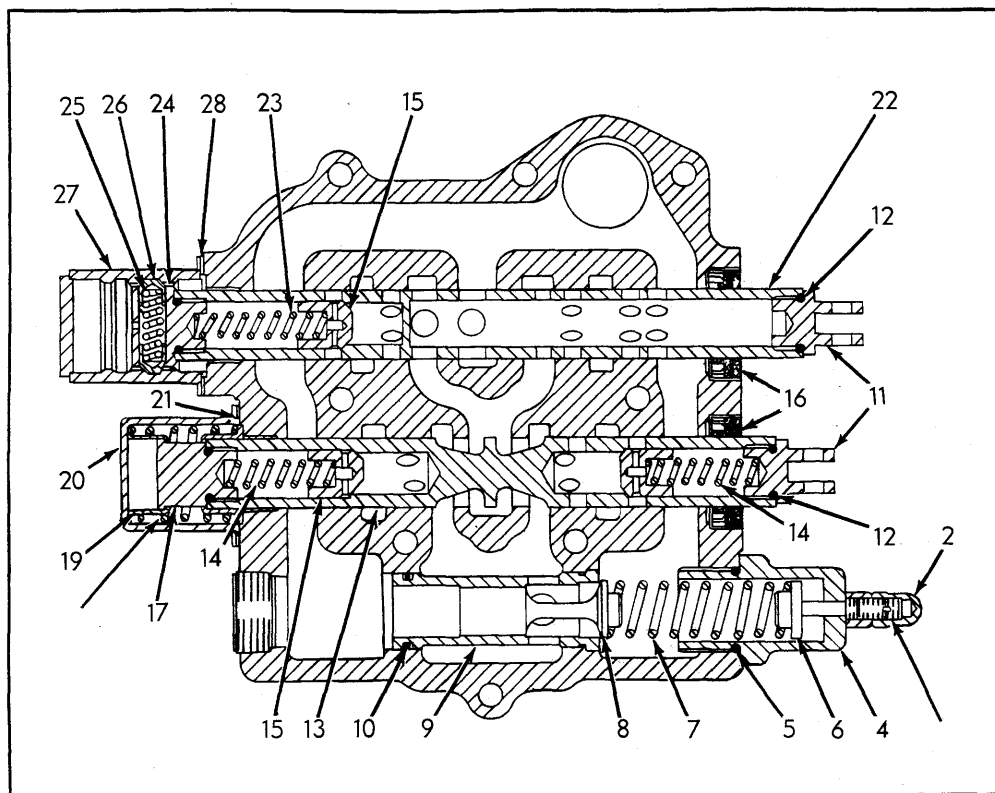
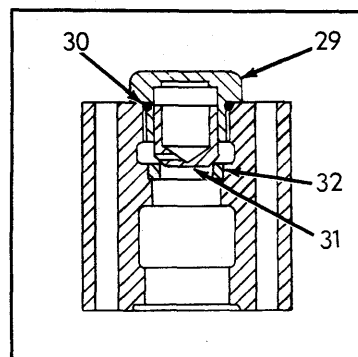
HYDRAULIC TANK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	3013122	1	CASE, oil filter
25	923836	2	O-RING, filter cases
26	-----	1	ELEMENT, oil filter (Order item 84)
27	045143	1	WASHER, element retaining
28	3012944	1	SPRING, element retaining
29	3010691	1	CASE, air filter
30	-----	1	ELEMENT, air filter (Order item 84)
31	3010655	1	GASKET, air filter case
32	3002766	1	BREATHER ASSEMBLY (Includes items 33 thru 35)
	901844	1	BUSHING, pipe reducing, 1-1/4"NPT to 3/4"NPT
33	3002767	1	BASE, breather
34	3002768	1	CAP, breather
	914172	1	SCREW, machine, #10-32NF x 1-1/4"
	904203	1	LOCKWASHER, #10
35	-----	1	ELEMENT, breather (Order item 84)
36	3020506	3	VALVE ASSEMBLY, relief (Consists of items 37 thru 41)(1 less used on shovels prior to #1070)
37	3019598	3	BODY, relief valve
38	3019977	3	PLUNGER ASSEMBLY, relief valve (Includes ball)
39	3016277	3	SPRING, relief valve
40	3020521	3	NUT, relief valve cap
41	3016278	3	CAP, relief valve
42	626697	1	PIPE, discharge
	910910	1	PIN, cotter, 7/32" x 3"
43	3011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
44	3007380	1	WIRE, locking, #16 x 12"
45	626705	1	GASKET, discharge pipe
46	626691	1	PLUNGER, discharge pipe
47	626692	1	SPRING, discharge pipe
48	626688	1	STRAINER, suction line
49	3011349	1	MAGNET, suction line
50	3019231	1	BAFFLE, suction line
51	3019303	1	SUPPORT, suction line baffle
52	626687	1	BAIL, suction line baffle
53	626680	1	TUBE ASSEMBLY, main pressure (Includes nuts)
54	626679	2	CONNECTOR
55	626689	1	TUBE ASSEMBLY, dump pressure, left cylinder (Includes nuts)
56	626674	1	TUBE ASSEMBLY, retract pressure, left cylinder (Includes nuts)
57	3017351	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts) (Used prior to shovel #1070)
	626675	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts) (Effective with shovel #1070)
	3021852	1	TEE, bulkhead
58	626690	1	TUBE ASSEMBLY, drop pressure, left cylinder (Includes nuts)
59	626683	1	TUBE ASSEMBLY, dump pressure, right cylinder (Includes nuts)

(Continued)

HYDRAULIC TANK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
60	626684	1	TUBE ASSEMBLY, retract pressure, right cylinder (Includes nuts)
61	626681	1	TUBE ASSEMBLY, raise pressure, right cylinder (Includes nuts)
62	626682	1	TUBE ASSEMBLY, drop pressure, right cylinder (Includes nuts)
63	3016070	7	UNION, bulkhead, cylinder tube
64	3016394	10	NUT, bulkhead union
65	3016347	8	CONNECTION, cylinder tube
66	923664	10	O-RING, cylinder tube
67	626673	1	TUBE ASSEMBLY, oil filter (Includes nuts)
68	626698	1	VALVE ASSEMBLY, check (Consists of items 69 thru 73)(Used prior to Shovel #1070)
	907856	1	PLUG, pipe, hex-socket, 3/8"NPT (Effective with shovel #1070)
69	-----	1	BODY, check valve (Not serviced separately)
70	-----	1	CAP, check valve (Not serviced separately)
	904020	1	PIN, cotter, 1/16" x 1"
71	923558	1	O-RING, check valve
72	905358	1	BALL, check valve (1/4" diam.)
73	3007405	1	SPRING, check valve
74	626703	1	VALVE ASSEMBLY, diverting (Consists of items 75 thru 80. When replacing also order item 81)
75	-----	1	HOUSING, diverter valve (Not serviced. Order item 74)
76	-----	1	PLUNGER, diverter valve (Not serviced. Order item 74)
77	3007239	1	RING, snap, valve plunger
78	3012461	1	SPACER, valve plunger
79	914906	1	WASHER, retaining, valve plunger (17/32" I. D.)
80	3010871	1	EYE, valve plunger
	913177	1	NUT, jam, 1/2"NF
	3010603	1	WIRE, locking, #16 x 22"
81	923577	4	O-RING, diverter valve mounting
82	626706	2	PLUG, diverter valve (Remove when installing Power Take-Off)
83	626672	2	PLUG, cylinder tube protecting
84	3038306	1	ELEMENT KIT, filter and breather (Consists of items 22, 26, 30 and 35)(Not illustrated)



SHOVEL VALVE AND CONTROLS

SHOVEL VALVE AND CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	3010867	1	VALVE ASSEMBLY, control (Consists of housing which is not serviced separately, hardware indented below and items 2 thru 32)
	918850	5	PLUG, pipe, hex-socket, 1/4"NPT
	908944	1	PLUG, pipe, hex-socket, 1/2"NPT
	916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	904208	8	LOCKWASHER, 1/2"
2	3003911	1	NUT, relief valve screw
	911043	1	NUT, 1/2"NF
3	3004711	1	SCREW, relief valve adjustment
4	3007228	1	CAP, relief valve
5	923577	1	O-RING, relief valve cap
6	3004720	1	GUIDE, relief valve
7	3007227	1	SPRING, relief valve
8	3004709	1	PLUNGER, relief valve
9	3010862	1	SEAT, relief valve plunger
10	923664	1	O-RING, relief valve seat
11	3004708	2	EYE, operating plunger
12	923575	4	O-RING, operating plunger eye
13	-----	1	PLUNGER, operating, double acting (Order item 1)
14	3001716	2	SPRING, check valve plunger
15	3004706	3	PLUNGER, check valve
16	3004707	2	SEAL, oil, operating plunger
17	3010866	1	CAP, operating plunger
18	3010864	1	SPRING, return, operating plunger
19	3010865	2	RETAINER, plunger return spring
20	3010863	1	CAP, spring retainer
	916277	4	CAPSCREW, 5/16"NC x 5/8"
	904205	4	LOCKWASHER, 5/16"
21	3010855	1	GASKET, spring retainer cap
22	-----	1	PLUNGER, operating, float (Order item 1)
23	3010857	1	SPRING, check valve plunger
24	3010856	1	CAP, detent, operating plunger
25	3010853	1	SPRING, detent plunger
26	3010854	2	PLUNGER, detent

(Continued)

SHOVEL VALVE AND CONTROLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
27	3010852	1	CAP, detent plunger
	916277	4	CAPSCREW, 5/16"NC x 5/8"
	904205	4	LOCKWASHER, 5/16"
28	3010855	1	GASKET, detent cap
29	3010848	1	CAP, flow valve
30	923577	1	O-RING, flow valve cap
31	3010849	1	PLUNGER, flow valve
32	3010851	1	SEAT, flow valve plunger
33	3016846	2	ROD ASSEMBLY, control (Includes item 34)
	917666	2	YOKE, rod end, adjustable, 1/2"NF
	913177	2	NUT, jam, 1/2"NF
34	3013909	2	BUSHING, control rod
35	049993	4	PIN, control linkage
	910244	2	WASHER, plain, SAE std., 1/2" (valve end)
	900806	4	PIN, cotter, 1/8" x 1"
36	625897	1	BRACKET ASSEMBLY, operating lever (Includes 1 PIN 921272)
	921272	1	PIN, roll, 3/16" x 1-3/4"
	910255	1	WASHER, plain, SAE std., 3/4" (lever spacing)
	012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
37	3017086	1	WASHER, operating lever
	921138	1	NUT, elastic stop, 3/4"NF
38	3016852	1	LEVER ASSEMBLY, operating (Includes items 40, 41 and 42)
39	3016848	1	LEVER ASSEMBLY, operating (Includes items 40, 41 and 42)
40	3013909	2	BUSHING, operating lever
41	3005955	4	BEARING, needle, operating lever
42	3005957	4	SEAL, operating lever bearing
43	3001171	2	KNOB, operating lever

DIVERTING VALVE CONTROL AND PIPING

USAGE: Special equipment. Provides rear hydraulic outlet for operating auxiliary equipment.

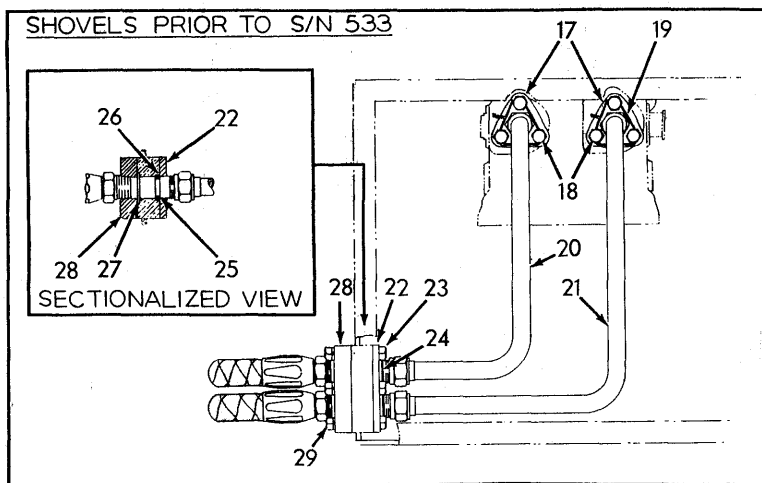
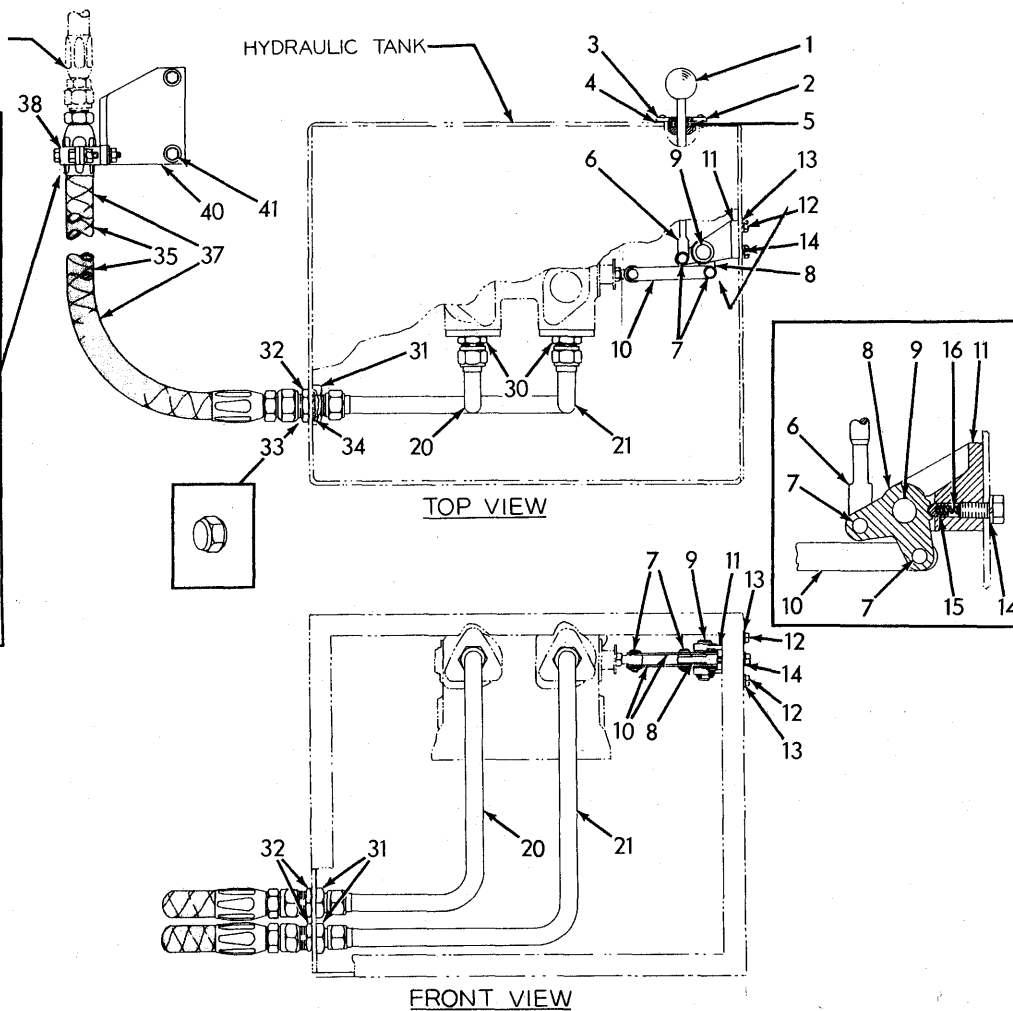
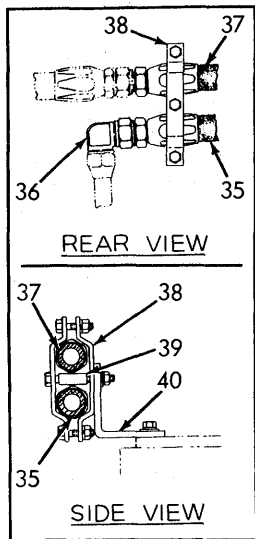
* Shovels prior to serial No. 533
** Shovels serial No. 533 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	091862	1	1	KNOB, control rod
2	625091	1	1	FLANGE, guide, control rod
3	914108	3	3	SCREW, machine, 1/4"NF x 5/8"
	625086	3	3	WASHER, sealing
4	625087	1	1	GASKET, guide flange
5	625088	1	1	SEAL, oil, guide flange
6	625092	1	1	ROD, control
7	078810	3	3	PIN, control rod and link
	911115	2	2	WASHER, plain, SAE std., 3/8"
	900942	3	3	PIN, cotter, 3/32" x 5/8"
8	625090	1	1	BELLCRANK, control rod
9	643996	1	1	PIN, bellcrank
	900806	1	1	PIN, cotter, 1/8" x 1"
10	625089	2	2	LINK, bellcrank to valve
11	625094	1	1	BRACKET, mounting
12	036032	2	2	CAPSCREW, 3/8"NF x 3/4"
13	625084	2	2	WASHER, sealing (3/8")
14	920601	1	1	CAPSCREW, 7/16"NF x 7/8"
	625085	1	1	WASHER, sealing (7/16")
15	614184	1	1	POPPET, detent
16	625098	1	1	SPRING, detent poppet
17	625081	2	-	PLATE, tube adapting
18	048676	6	-	CAPSCREW, drilled-hd., 1/2"NF x 1"
19	023633	2	-	WIRE, locking, 1/16" x 12"
20	625079	1	-	TUBE ASSEMBLY, left (Includes nuts)
	625108	-	1	TUBE ASSEMBLY, left (Includes nuts)
21	625078	1	-	TUBE ASSEMBLY, right (Includes nuts)
	625107	-	1	TUBE ASSEMBLY, right (Includes nuts)
22	625102	1	-	PLATE, retaining, tube sleeve
23	048676	3	-	CAPSCREW, drilled-hd., 1/2"NF x 1"
24	023633	2	-	WIRE, locking, 1/16" x 12"
25	923649	4	-	O-RING, tube sleeve
26	625077	4	-	SLEEVE, tube adapting
27	923664	2	-	O-RING, adapter plate

(Continued)

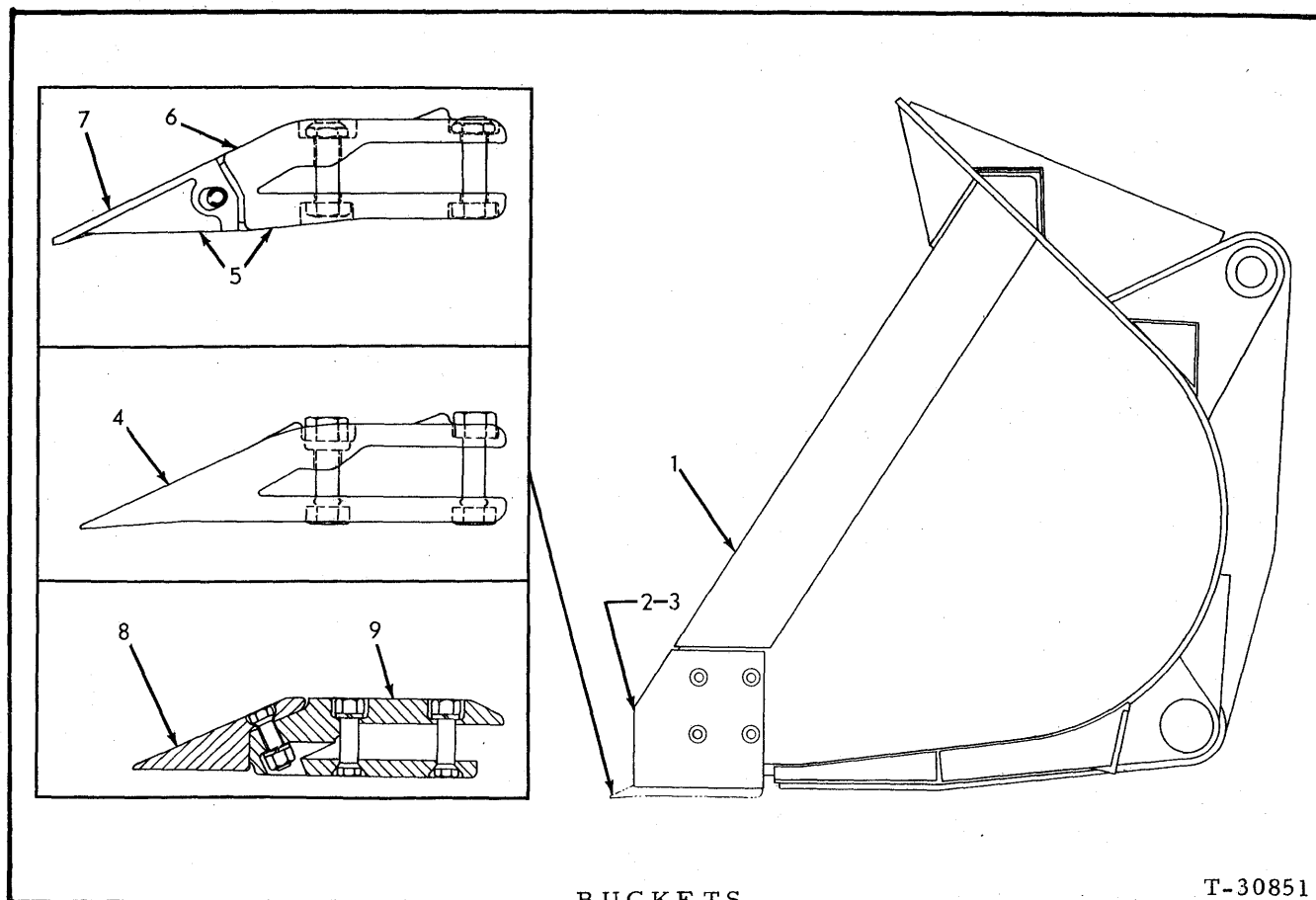
SEE RIPPER CYLINDER
AND PIPING

HYDRAULIC TANK



DIVERTING VALVE CONTROL AND PIPING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
28	625080	1	-	PLATE, tube adapter
	901666	2	-	PLUG, pipe, ctsk-hd., 1"NPT (Shipping only)
29	035073	3	-	CAPSCREW, 1/2"NF x 1-3/4"
	904208	3	-	LOCKWASHER, 1/2"
30	3016347	-	2	CONNECTOR, internal tubes
31	3016070	-	2	UNION, bulkhead
32	3016394	-	2	NUT, special
33	625106	-	2	CAP, closure (For protecting disconnected lines)
34	923664	-	2	O-RING, bulkhead union
35	{ 624974	1	-	HOSE ASSEMBLY, lower (See page 6 for parts)
	{ 625105	-	1	HOSE ASSEMBLY, lower (See page 6 for parts)
36	921991	1	1	ELBOW, union, flare type, 90°, 1" tube
37	{ 624973	1	-	HOSE ASSEMBLY, upper (See page 6 for parts)
	{ 3026795	-	1	HOSE ASSEMBLY, upper (See page 6 for parts)
38	624972	2	2	CLAMP, hose supporting
	916389	1	1	CAPSCREW, 3/8"NF x 3-1/4"
	916383	2	2	CAPSCREW, 3/8"NF x 1-1/2"
	900817	1	1	WASHER, plain, U.S. std., 3/8"
	904206	3	3	LOCKWASHER, 3/8"
	911041	3	3	NUT, 3/8"NF
39	625095	1	1	SPACER, hose clamp
40	624975	1	1	BRACKET, hose supporting clamp
41	012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	2	LOCKWASHER, 3/8"
	900817	2	2	WASHER, plain, U.S. std., 3/8"



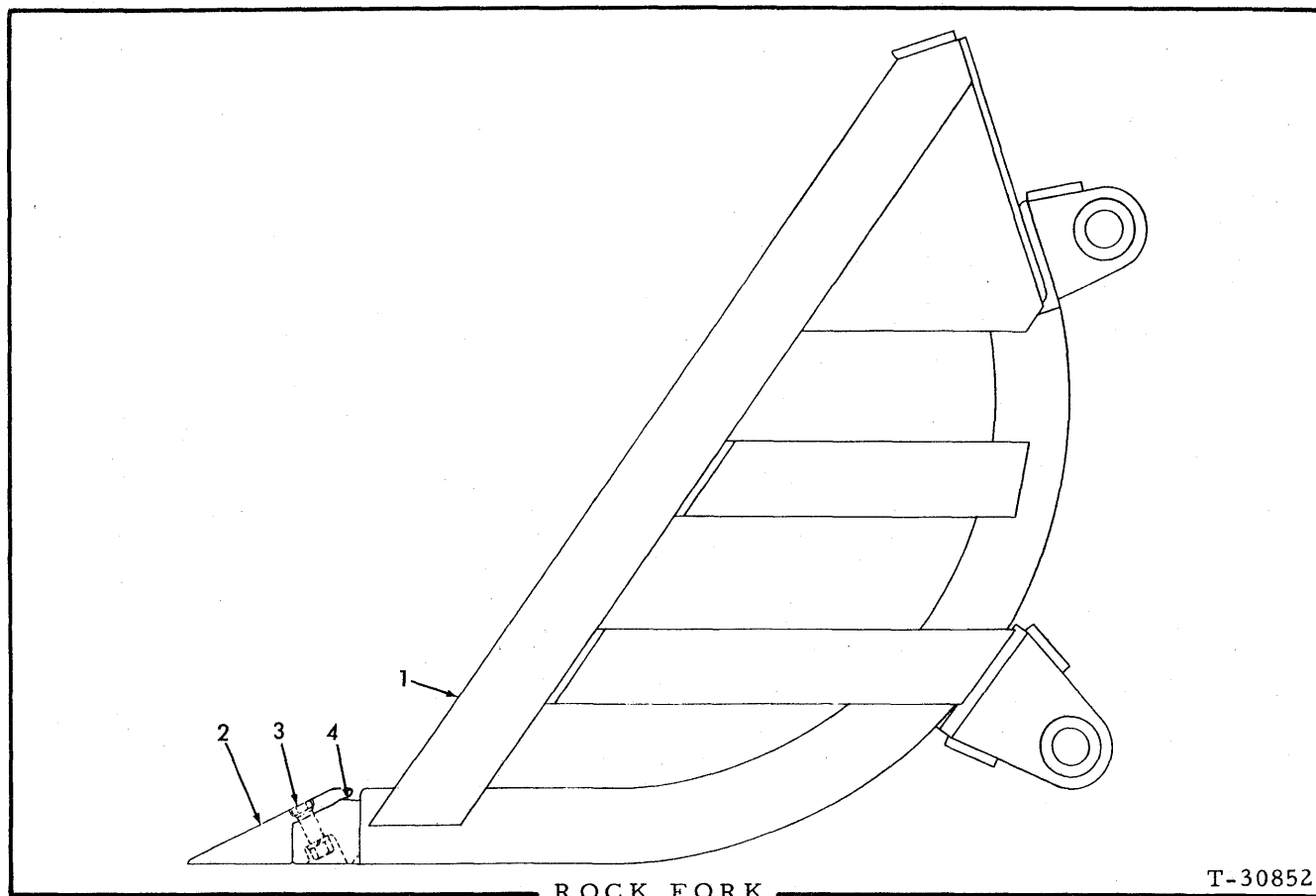
- I - Standard type
 II - Rock type
 III - Light materials type
 IV - Heavy-duty type
 V - Slag type

ITEM	PART NO.	QUANTITY					DESCRIPTION
		I	II	III	IV	V	
1	085210	1	-	-	-	-	BUCKET ASSEMBLY (Includes item 2)
	088117	-	1	-	-	-	BUCKET ASSEMBLY (Includes item 2)
	-----	-	-	1	-	-	BUCKET ASSEMBLY (Includes items 2 and 3)(Discontinued)
	-----	-	-	-	1	-	BUCKET ASSEMBLY (Includes items 2, 3, 8 and 9)(Order BUCKET ASSEMBLY 623514 and 2 new dump LINKS 3015843 or modify old dump links)
	623514	-	-	-	-	1	BUCKET ASSEMBLY (Includes items 2, 3, 8 and 9)
2	3006088	1	1	-	-	-	EDGE, cutting (3/4" thick x 95-1/4" wide)
	3006926	28	28	-	-	-	RIVET, ctsk-hd., 5/8" x 2-3/8"
	3009828	-	-	1	-	-	EDGE, cutting (3/4" thick x 115" wide) (Requires welding to install)
	3009643	-	-	-	1	1	EDGE, cutting (1" thick x 93-3/4" wide)(Requires welding to install)

(Continued)

BUCKETS (Continued)

ITEM	PART NO.	QUANTITY					DESCRIPTION
		I	II	III	IV	V	
3	3009826	-	-	1	-	-	BIT, end, left
	3009827	-	-	1	-	-	BIT, end, right
	3009651	-	-	-	1	1	BIT, end, left
	3009652	-	-	-	1	1	BIT, end, right
4	3006385	11	11	-	-	-	TOOTH ASSEMBLY, bucket (one piece)(Includes hardware indented below)
	916335	22	22	-	-	-	CAPSCREW, 3/4"NF x 3"
	3001245	22	22	-	-	-	NUT, high, 3/4"NF
5	3015947	11	11	-	11	-	TOOTH ASSEMBLY, bucket (Two piece, standard type) (Includes items 6, 7 and hardware indented below)
	916335	22	22	-	22	-	CAPSCREW, 3/4"NF x 3-1/4"
	3001245	22	22	-	22	-	NUT, high, 3/4"NF
	3020854	11	11	-	11	-	TOOTH ASSEMBLY, bucket (Two piece, heavy-duty type) (Includes items 6, 7 and hardware indented below)
	915563	22	22	-	22	-	CAPSCREW, 3/4"NF x 3-1/2"
	3001245	22	22	-	22	-	NUT, high, 3/4"NF
6	3015946	11	11	-	11	-	SHANK, tooth (standard)
	3022901	11	11	-	11	-	SHANK, tooth (heavy-duty)
7	3014986	11	11	-	11	-	POINT, tooth (standard)
	921454	11	11	-	11	-	PIN, roll, 1/2" x 2-3/8" (plated)
	3020853	11	11	-	11	-	POINT, tooth (heavy-duty)
	921200	11	11	-	11	-	PIN, roll, 1/2" x 2-3/4" (plated)
8	627172	-	-	-	11	11	TOOTH ASSEMBLY, bucket (Two piece, extra-heavy-duty type)(Includes hardware indented below)
	627145	-	-	-	11	11	CAPSCREW, 1"NC x 3"
	910916	-	-	-	11	11	LOCKWASHER, 1"
	912908	-	-	-	11	11	NUT, 1"NC
9	3010272	-	-	-	11	11	SHANK ASSEMBLY, tooth (Extra-heavy-duty type) (Includes hardware indented below)
	3010717	-	-	-	22	22	CAPSCREW, 1"NC x 4-1/4"
	910916	-	-	-	22	22	LOCKWASHER, 1"
	912908	-	-	-	22	22	NUT, 1"NC



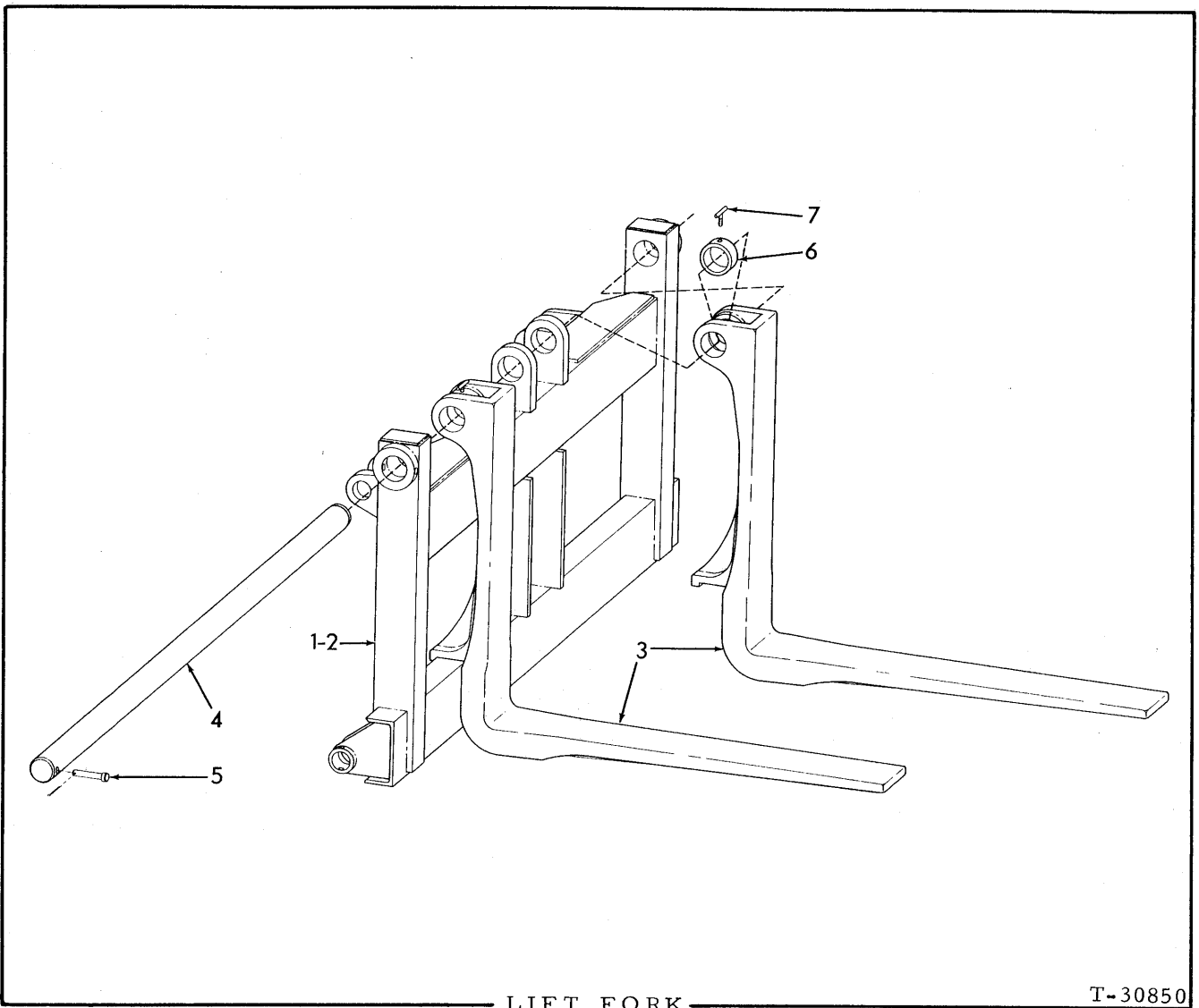
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	ROCK FORK ASSEMBLY (Includes items 2 thru 4)(Discontinued)
2	3010100	*	TOOTH ASSEMBLY, fork (Includes hardware indented below)
3	3010101	1	CAPSCREW
	904369	1	LOCKWASHER, 3/4"
	910923	1	NUT, 3/4"NC
4	3010103	1	SHANK, tooth (Requires welding to install)

Quantities indicated are for one (1) Tooth Assembly only

*NOTE: Teeth required for Rock Fork

SPACING	TEETH
4"	12
5"	11
6"	10
7"	9

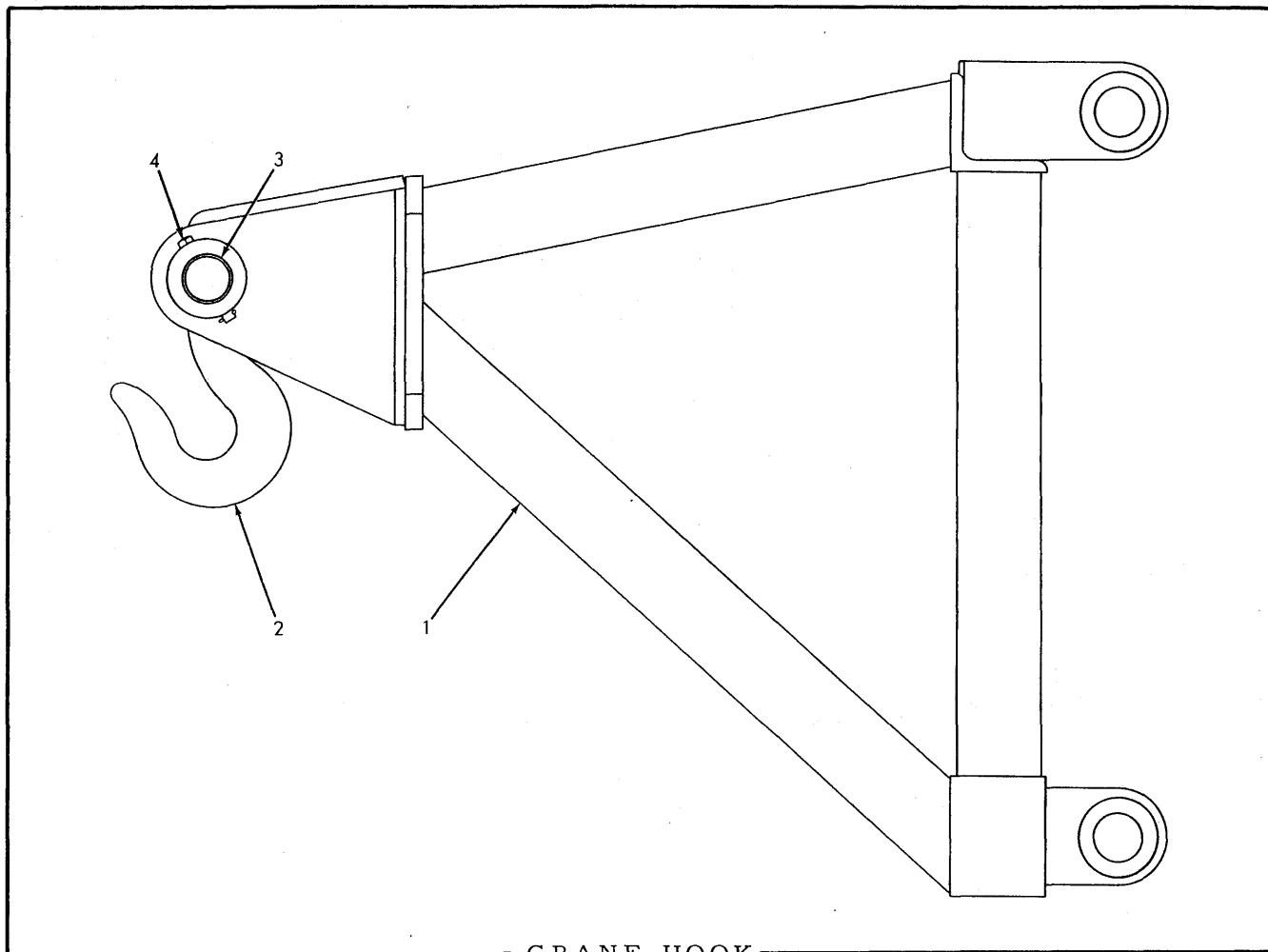


LIFT FORK

T-30850

USAGE: Special equipment

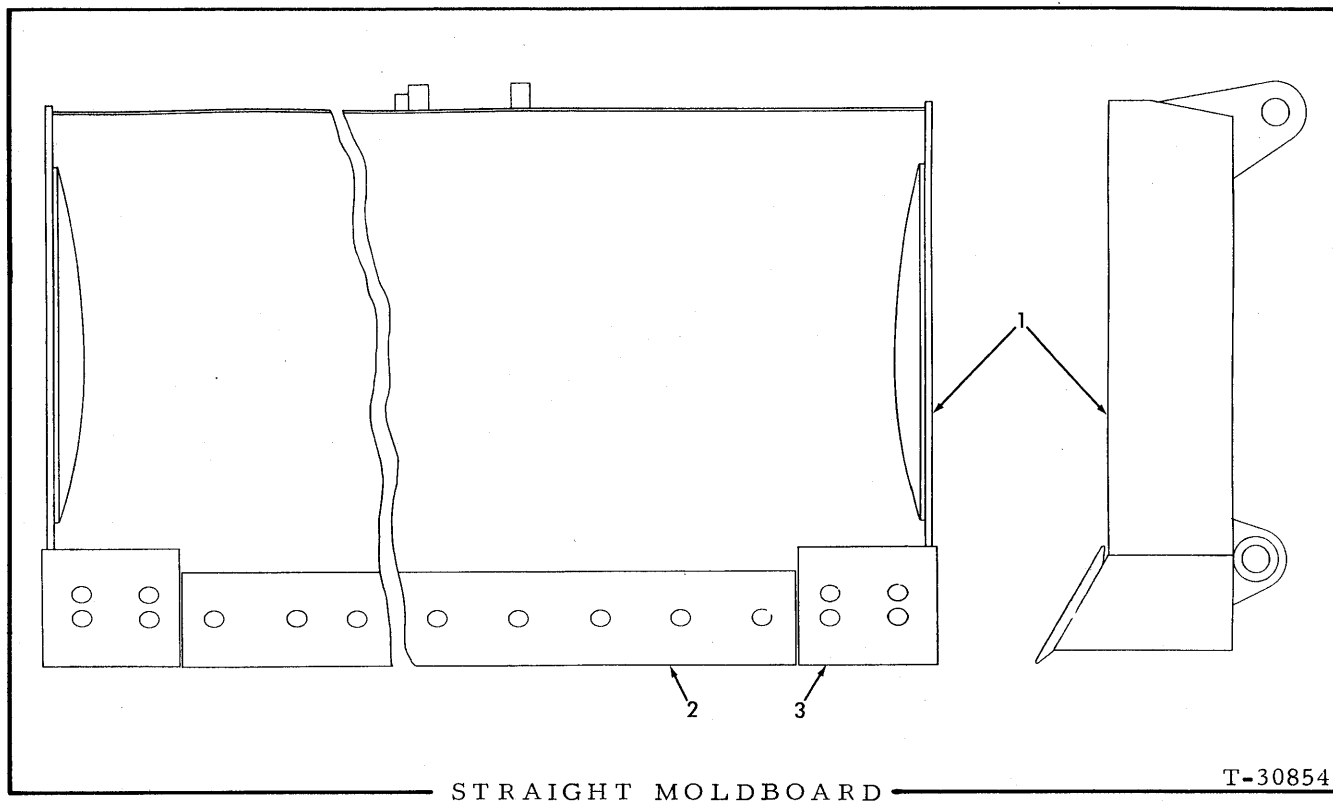
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	LIFT FORK ASSEMBLY (Includes items 2 thru 7) (Order components)
2	3011976	1	FRAME, lift fork
3	3011998	2	FORK, lift
4	3011999	1	TUBE, fork supporting
5	626866	1	PIN, retaining
	911440	1	PIN, cotter, 3/16" x 1-1/8"
6	3012001	2	SPACER, retaining pin
7	3002629	2	SCREW ASSEMBLY, locking (Includes handle)



CRANE HOOK

USAGE: Special Equipment

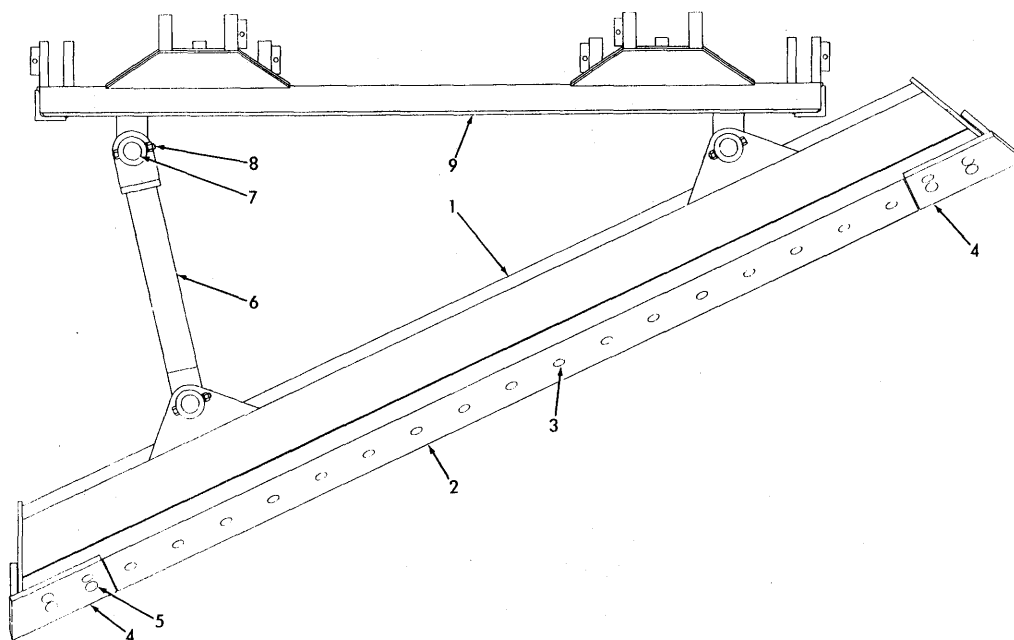
ITEM	PART NUMBER	QTY.	DESCRIPTION
1	077415	1	CRANE HOOK (Includes items 2 thru 4) (Machinery item)
2	3009475	1	HOOK, lifting, crane
3	3009476	1	PIN, pivot, hook
4	3001622	1	PIN, retaining, pivot
	900806	1	PIN, cotter, 1/8" x 1"



USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	{	077212	1	MOLDBOARD ASSEMBLY (Includes items 2 and 3) (122" wide)
		-----	1	MOLDBOARD ASSEMBLY (Includes items 2 and 3) (96" wide)(Discontinued)
2	{	3009149	1	EDGE, cutting (For 122" Moldboard)
		918281	17	BOLT, plow, 3/4"NC x 2-1/2"
		904369	17	LOCKWASHER, 3/4"
		910923	17	NUT, 3/4"NC
	{	3011098	1	EDGE, cutting (For 96" Moldboard)
		918281	13	BOLT, plow, 3/4"NC x 2-1/2"
		904369	13	LOCKWASHER, 3/4"
		910923	13	NUT, 3/4"NC
3	{	3009235	2	BIT, end
		918281	8	BOLT, plow, 3/4"NC x 2-1/2"
		904369	8	LOCKWASHER, 3/4"
		910923	8	NUT, 3/4"NC

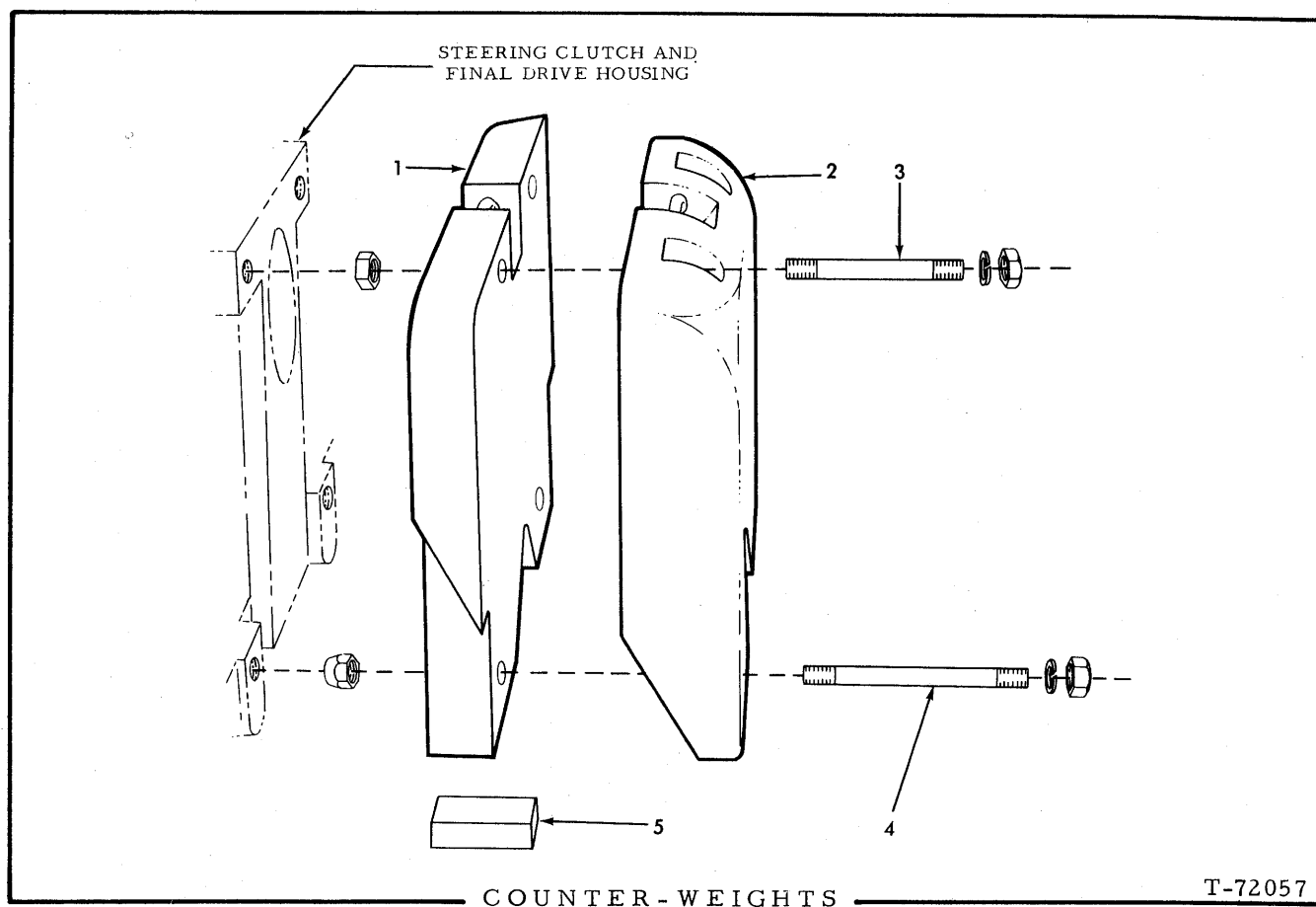


ANGLING MOLDBOARD

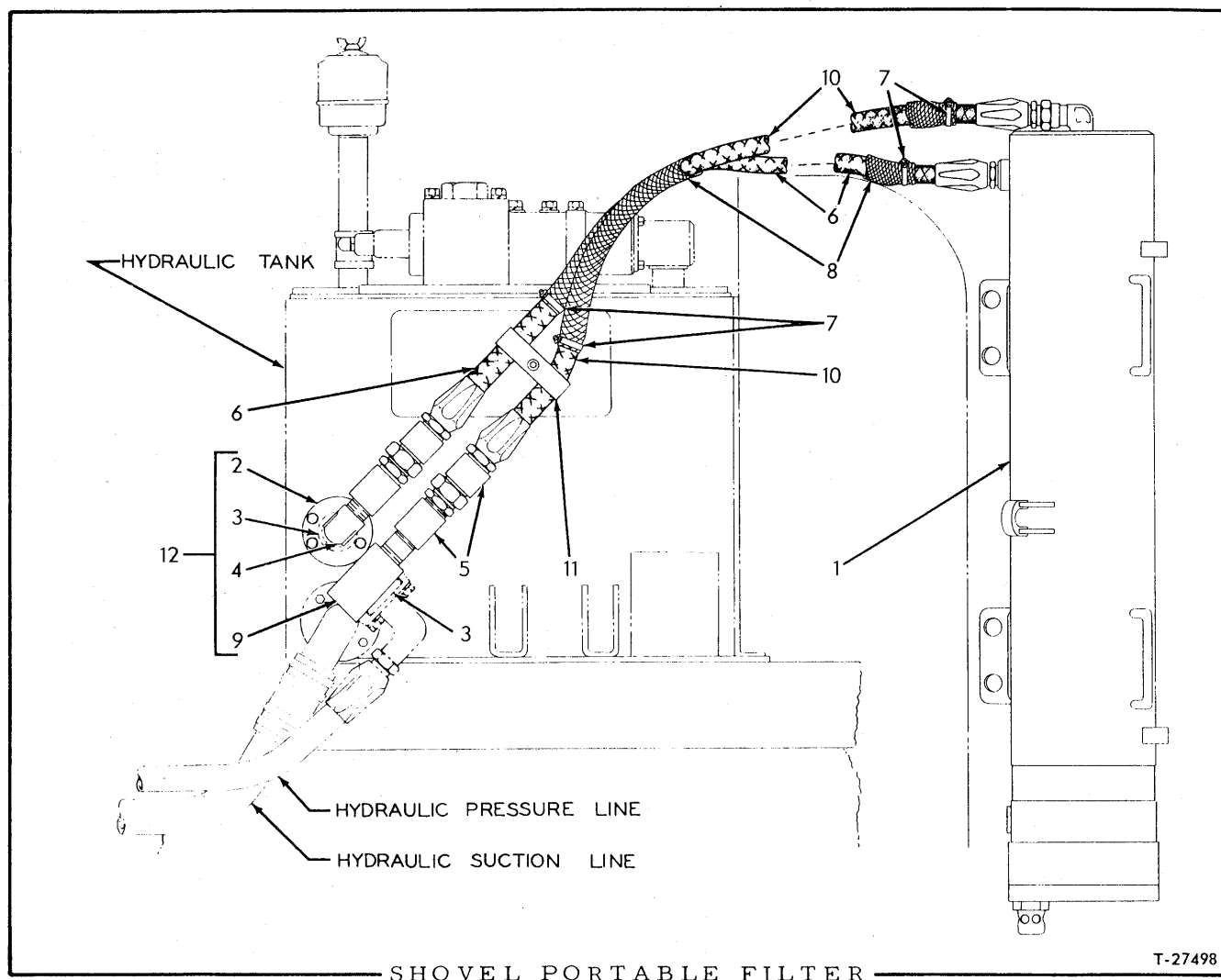
T-30855

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	MOLDBOARD ASSEMBLY (Includes items 2 thru 9) (Discontinued)
2	3009149	1	EDGE, cutting
3	918281	17	BOLT, plow, 3/4"NC x 2-1/2"
	904369	17	LOCKWASHER, 3/4"
	910923	17	NUT, 3/4"NC
4	{ 3009294	1	BIT, right end
	{ 3009293	1	BIT, left end
5	918281	8	BOLT, plow, 3/4"NC x 2-1/2"
	904369	8	LOCKWASHER, 3/4"
	910923	8	NUT, 3/4"NC
6	3009299	1	STRUT, moldboard
7	3005716	6	PIN, moldboard pivot
8	916411	6	CAPSCREW, 5/8"NF x 4-1/4"
	904209	6	LOCKWASHER, 5/8"
	911044	6	NUT, 5/8"NF
9	3009289	1	FRAME, moldboard mounting



ITEM	PART NO.	QTY.	DESCRIPTION
1	635352	1	COUNTER-WEIGHT, inner
2	635351	1	COUNTER-WEIGHT, outer
3	635357	2	STUD (1-1/4" x 11-1/4")
	904210	2	LOCKWASHER, 1-1/4"
	913097	2	NUT, 1-1/4"NF
4	635354	2	STUD (1" x 14-3/4")
	910916	2	LOCKWASHER, 1"
	911047	2	NUT, 1"NF
5	635353	2	BLOCK, spacing



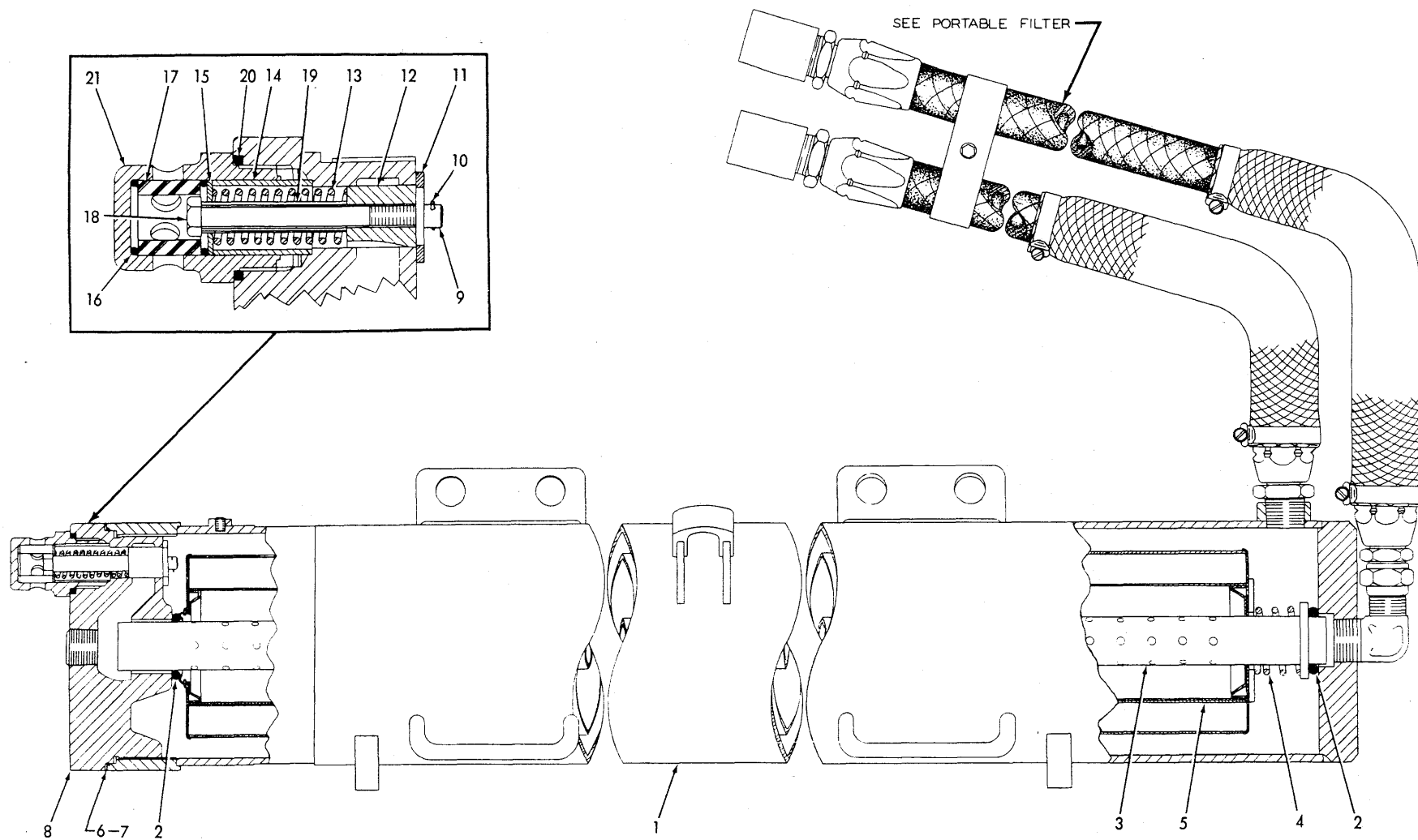
USAGE: Special equipment. For reconditioning hydraulic system fluid

ITEM	PART NO.	QTY.	DESCRIPTION	
1	3010707	1	FILTER ASSEMBLY, hydraulic oil (See page 391 for parts) (See item 13)	
2	3015613	1	ADAPTER, filter hose to hydraulic tank	} See item 12
	916028	4	CAPSCREW, 1/2"NF x 1-3/4"	
	904208	4	LOCKWASHER, 1/2"	
3	923578	2	O-RING, adapter	} See item 13
4	3016294	1	ELBOW, adapter (90°)	
5	3004141	4	COUPLING, adapter to hose	
6	3010972	1	HOSE ASSEMBLY, filter to hydraulic tank (See page 6 for parts) (Also includes items 7 and 8)	
7	921913	4	CLAMP, hose, 1-13/16" to 2-3/4" diam.	

(Continued)

SHOVEL PORTABLE FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	3011715	2	GUARD, hose protecting
9	3015614	1	ADAPTER, filter to pressure line
	901520	1	NIPPLE, pipe, 1"NPT x 1-1/2" } See item 12
10	3010979	1	HOSE ASSEMBLY, filter to pressure line (See page 6 for parts) (Also includes items 7 and 8)
11	3011114	2	CLAMP, hose
	916381	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	910123	1	NUT, 3/8"NF
			} See item 13
12	3017890	1	PIPING AND ADAPTER KIT (Consists of items 2 thru 4 and 9)
13	3012166	1	FILTER KIT, hydraulic system fluid (Consists of items 1, 5, 6, 10 and 11) (Not illustrated)

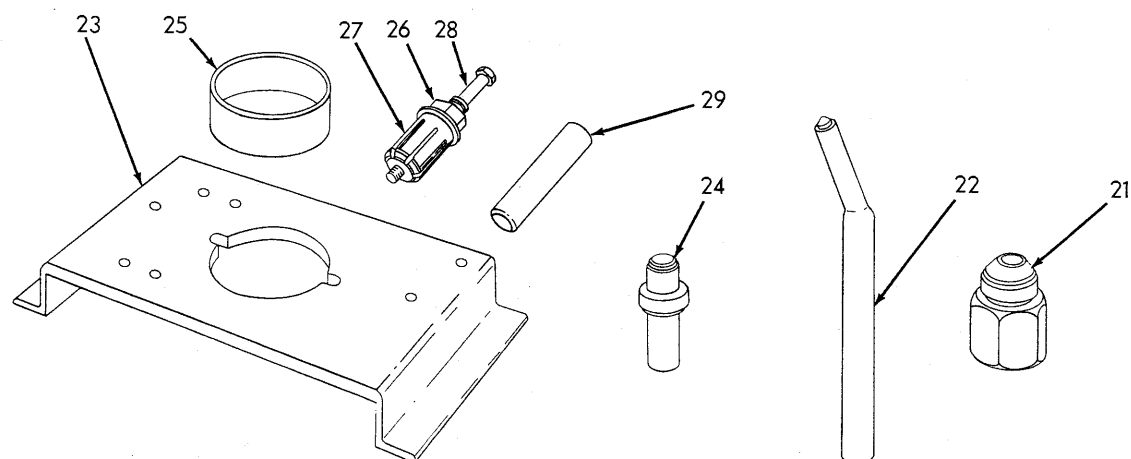
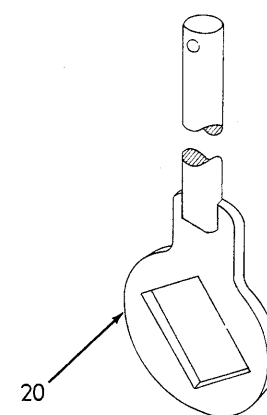
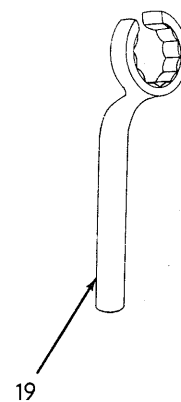
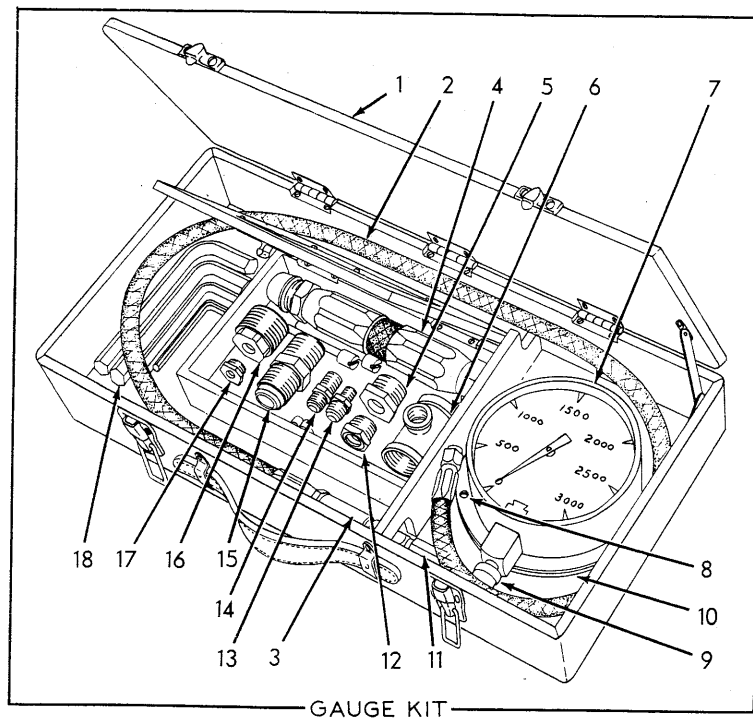


PORTABLE FILTER ASSEMBLY 3010707

PORTABLE FILTER ASSEMBLY 3010707

USAGE: See page 388

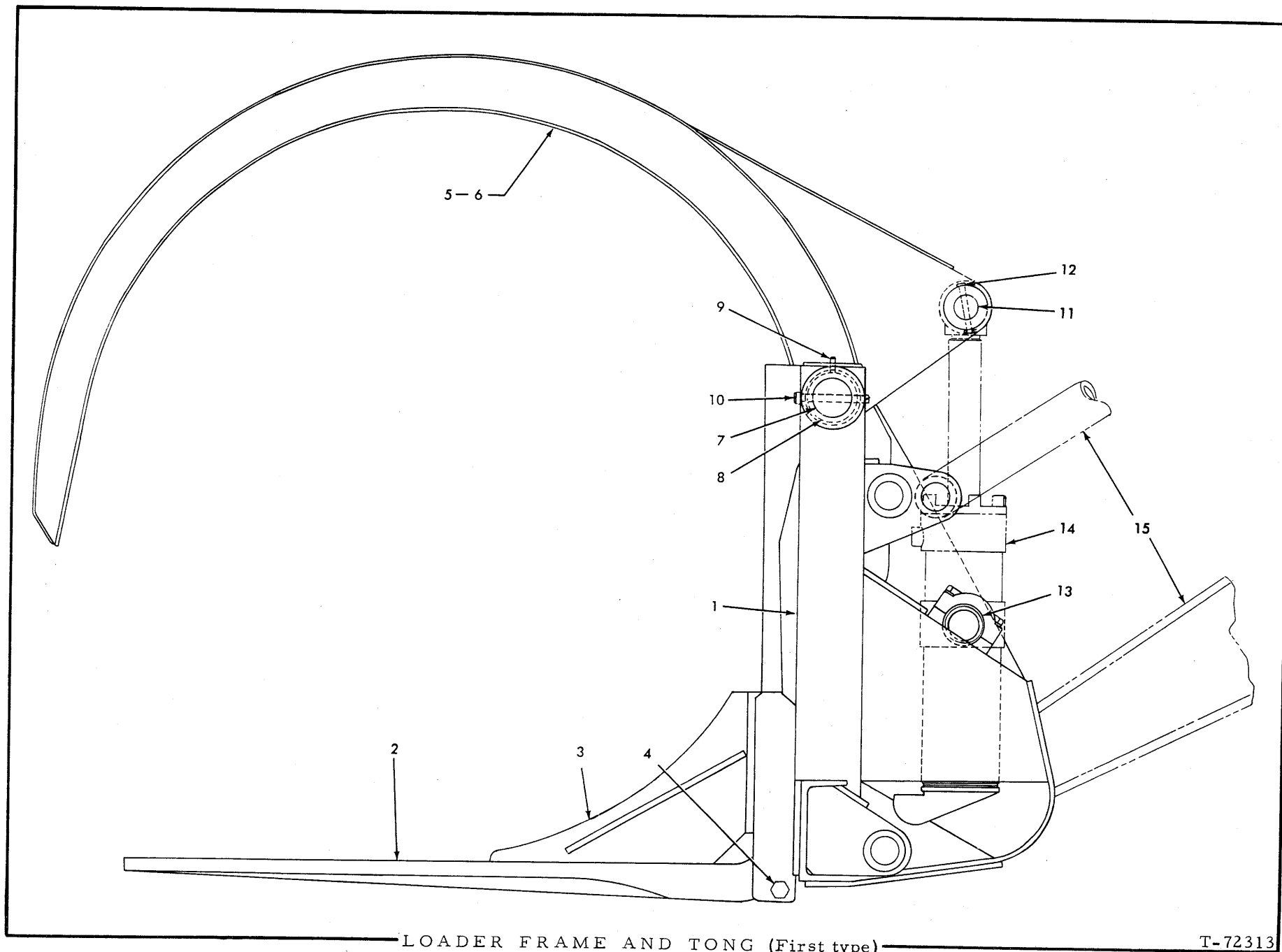
ITEM	PART NO.	QTY.	DESCRIPTION
1	3010638	1	CASE, filter
	907859	1	PLUG, pipe, hex-socket, 1/4"NPT
	920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT
2	923826	2	O-RING, element tube
3	3011370	1	TUBE, element locating
4	3010706	1	SPRING, filter
	900826	1	WASHER, plain, SAE std., 1-3/4"
5	3010360	5	ELEMENT, filter
6	924166	1	O-RING, filter head (Also order 1 RING 3012554)
7	3012554	1	RING, back-up (Also order 1 O-RING 924166)
8	3010529	1	HEAD, filter
	909365	1	PLUG, pipe, hex-socket, 1"NPT
9	3002978	2	CAPSCREW, valve locating (5/16"NC x 3/4")
10	3001085	1	WIRE, locking, #16 x 17"
11	3010555	1	PLATE, retaining
12	3010712	1	PLUNGER, valve
13	3010713	1	SPRING, safety valve
14	3010540	1	BUSHING, valve
15	3010539	1	SPACER, valve bushing
16	923575	2	O-RING, valve tube
17	3010645	1	TUBE (Lucite)
18	3015609	1	CAPSCREW, valve centering (3/8"NF x 3-1/4")
19	3010710	1	SPACER, plunger
20	923577	1	O-RING, valve cap
21	3010586	1	CAP, valve



SHOVEL TOOLS

ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	1	* GAUGE KIT, master (Consists of item 1 thru 18)
1	-----	1	* CASE, wooden
2	-----	1	* HOSE ASSEMBLY, gauge
3	901764	1	COUPLING, pipe, 1/4"NPT
4	-----	1	* HOSE ASSEMBLY
5	901840	1	BUSHING, pipe reducing (3/4"NPT to 1/4"NPT)
6	-----	1	* TEE, pipe (3/4"NPT ends x 1/4"NPT side)
7	-----	1	* GAUGE, pressure (3000 PSI)
8	902559	3	SCREW, wood, rd-hd., #6 x 1/2"
9	901722	1	ELBOW, street, 90°, 1/4"NPT
10	-----	1	* PAD, pressure gauge (rubber)
11	-----	1	* SNUBBER, pressure (Includes piston)
12	901839	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
13	910171	1	CONNECTOR, flare type, 5/16" tube, 1/8"NPT male
14	911317	1	CONNECTOR, flare type, 5/16" tube, 1/4"NPT male
15	920714	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
16	904270	1	BUSHING, pipe reducing, 1"NPT to 1/4"NPT
17	901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
18	-----	1	* WRENCH KIT, Allen
19	-----	1	WRENCH, flare nut (1-1/2" spacing)(Order from Owatonna Tool Co., their no. CSO-48)
20	3008880	1	WRENCH, spanner (box end)
21	{	-----	1 * TOOL, hose assembly, 1"
		-----	1 * TOOL, hose assembly, 3/4" (JIC)
		-----	1 * TOOL, hose assembly, 3/4" (SAE)
22	-----	1	TOOL ASSEMBLY, tooth (Order from Owatonna Tool Co., their no. AC-314)
23	-----	1	* FIXTURE, pump
24	-----	1	* DRIVER, bearing installation
25	-----	1	* RING, adapter, pump
26	-----	1	* BOLT, expander, bearing puller
	913093	1	WASHER, plain
	911051	1	NUT, 1"NF
27	-----	1	* SLEEVE, expander bolt
28	3008421	1	CAPSCREW, bearing puller (3/8"NF x 5")
29	-----	1	* TOOL, spacer

* Parts indicated above have been discontinued



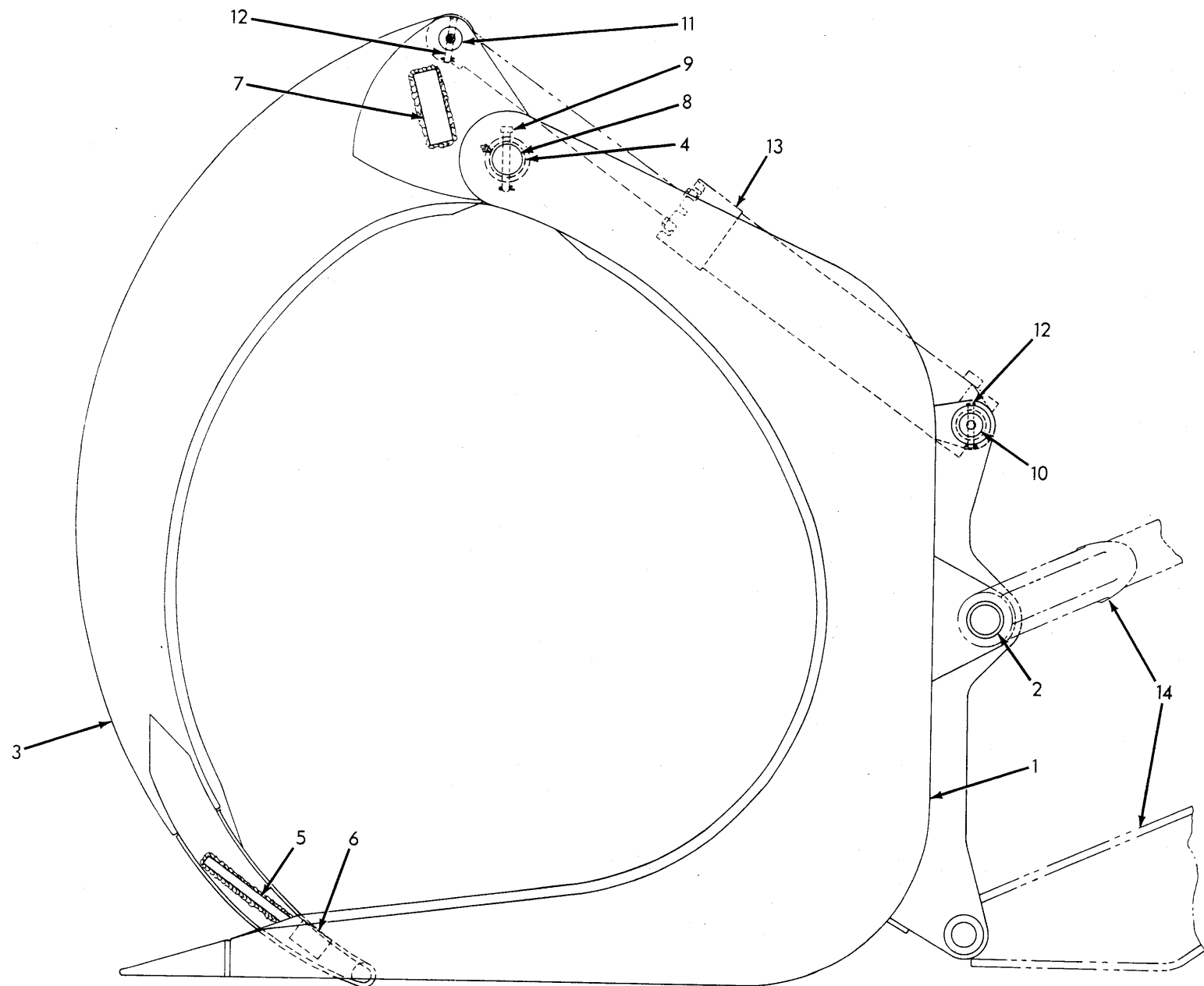
LOADER FRAME AND TONG (First type)

T-72313

LOADER FRAME AND TONG

USAGE: Shovels prior to January 1960. For units equipped with Pulpwood Loader

ITEM	PART NO.	QTY.	DESCRIPTION
1	3019006	1	FRAME, loader (Includes cylinder trunnion which is not serviced separately)
2	3011998	2	FORK, loader frame
3	3019521	2	BRACKET, corner, loader fork
4	3019531	2	BOLT
	917777	2	NUT, elastic stop, 1"NF
5	3017943	1	TONG ASSEMBLY, loader frame (Includes item 6)
6	626637	4	BUSHING, loader tong
7	3019351	2	BAR, tong pivot
8	3012001	2	SPACER, pivot bar
9	3002629	2	SCREW ASSEMBLY, spacer locking (Includes T-handle)
10	626866	2	PIN, retaining, pivot bar
	900810	2	PIN, cotter, 3/16" x 1-1/4"
11	626621	2	PIN, cylinder pivot
	915276	2	FITTING, lubricating, 90°, 1/8"NPT
12	626584	2	PIN, retaining, pivot pin
	900810	2	PIN, cotter, 3/16" x 1-1/4"
13	624957	4	BUSHING, cylinder pivot
14	-----	-	CYLINDER ASSEMBLY (See LOADER HYDRAULIC CYLINDERS AND PIPING)
15	-----	-	BOOM and LINK (See SHOVEL LINKAGE)



LOADER FRAME AND TONG (Second type)

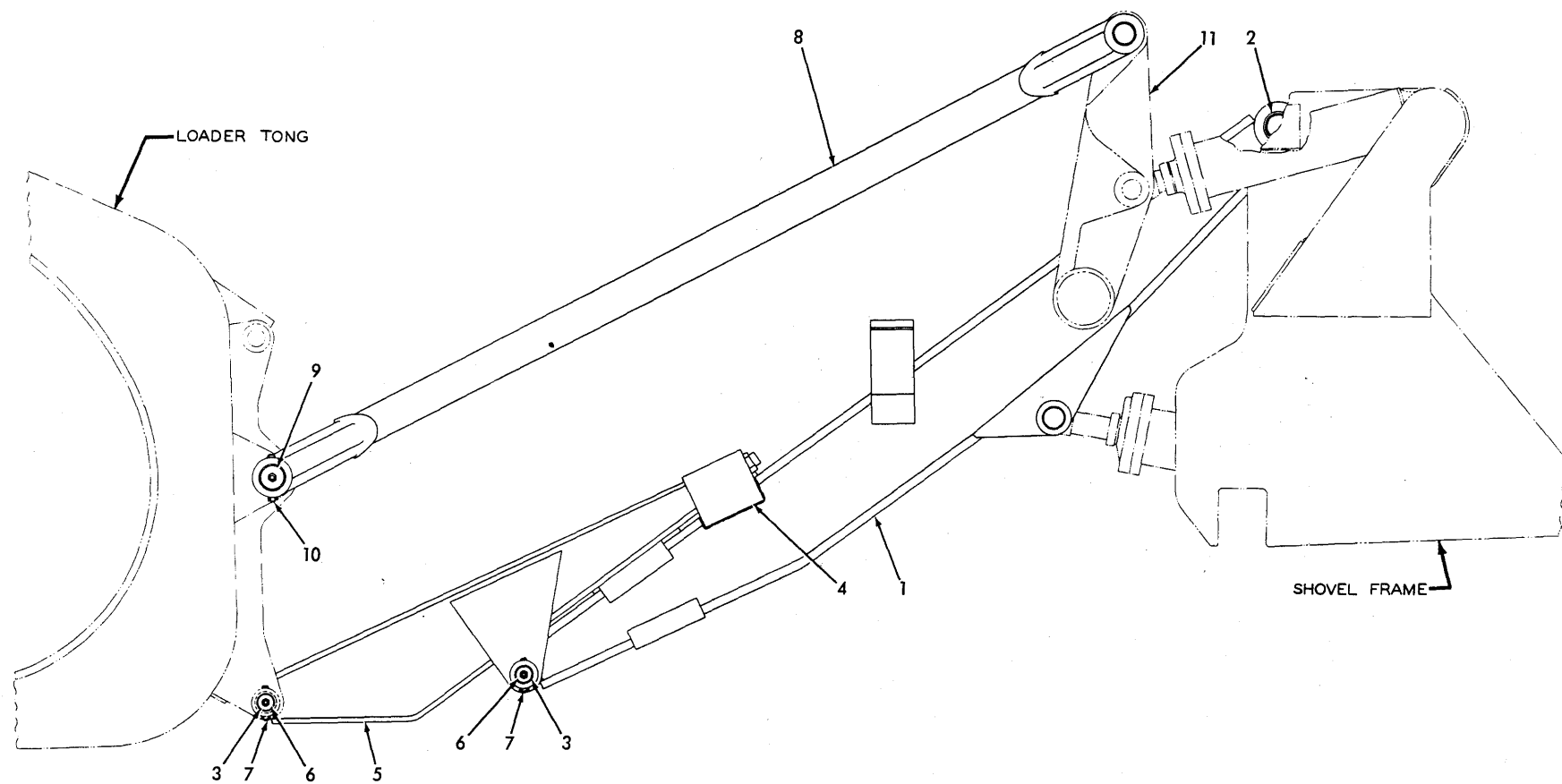
T-30856

LOADER FRAME AND TONG

USAGE: Effective January 1960. For units equipped with Pulpwood Loader

ITEM	PART NO.	QTY.	DESCRIPTION
1	3030050	1	FORK ASSEMBLY, loader frame (Includes item 2)
2	3004785	2	BUSHING, loader fork
3	3030020	1	TONG ASSEMBLY, loader frame (Includes item 4)
4	3020677	2	BUSHING, loader tong
5	3030069	2	PLATE, tong guide
6	3030072	2	BAR, tong stop (front)
7	3023794	2	BAR, tong stop (rear)
8	3030046	1	SHAFT, tong pivot
	914465	2	FITTING, lubricating, straight, 1/8"NPT
9	3013568	1	PIN, retaining, pivot shaft
	900810	1	PIN, cotter, 3/16" x 1-1/4"
10	3030067	2	PIN, cylinder pivot, lower
	914465	2	FITTING, lubricating, straight, 1/8"NPT
11	3030068	2	PIN, cylinder pivot, upper
	914465	2	FITTING, lubricating, straight, 1/8"NPT
12	3001622	4	PIN, retaining, pivot pin
	900806	4	PIN, cotter, 1/8" x 1"
13	-----	-	CYLINDER ASSEMBLY (See LOADER HYDRAULIC CYLINDERS AND PIPING)
14	-----	-	BOOM and LINK (See LOADER LINKAGE)

Requires welding to install

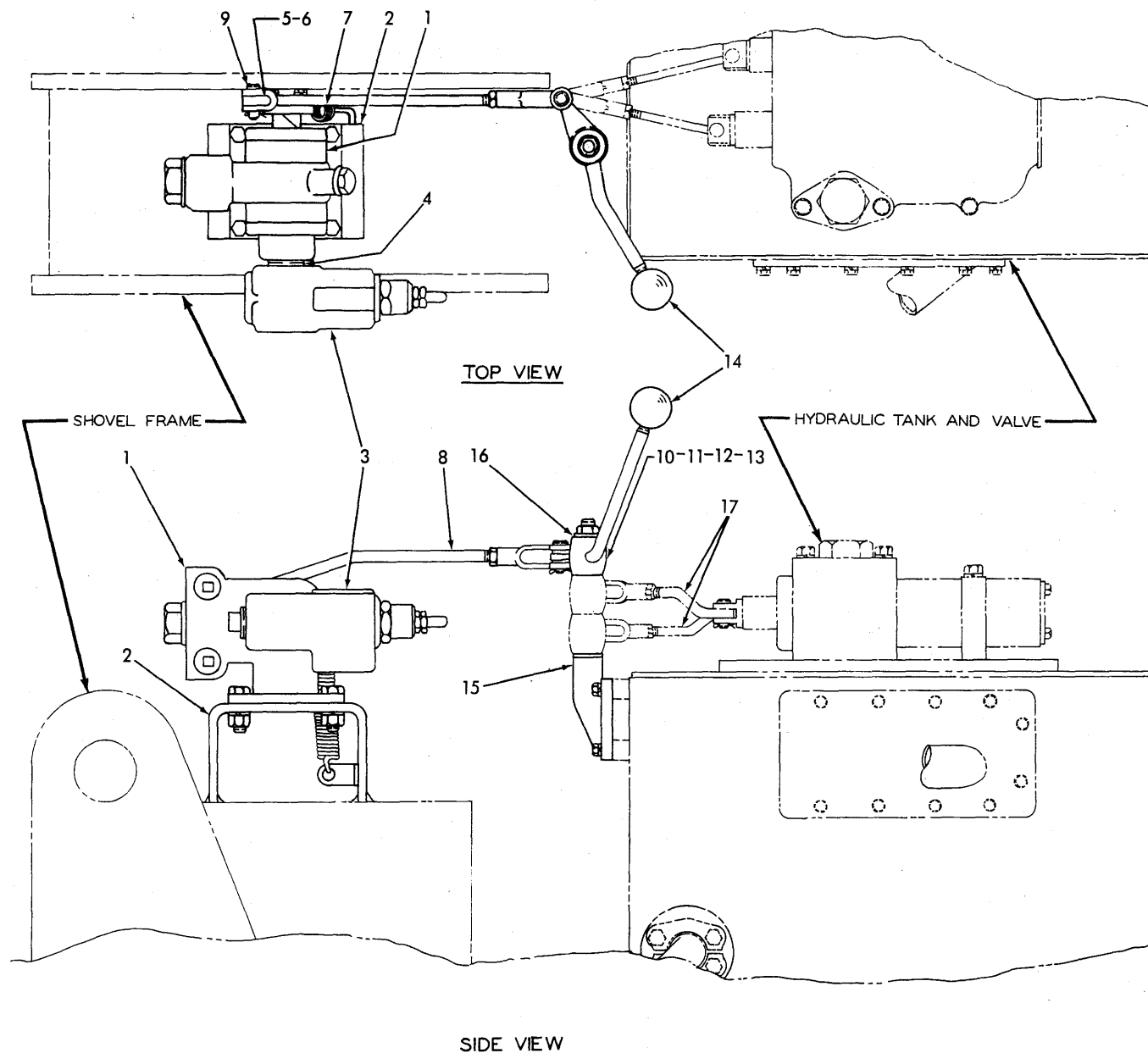


LOADER LINKAGE

LOADER LINKAGE

USAGE: Effective January 1960. For units equipped with Pulpwood Loader. See SHOVEL LINKAGE for prior units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	3030010	2	BOOM ASSEMBLY, rear section (Includes items 2 and 3)(Replaces Shovel Linkage)
2	626637	4	BUSHING, rear
3	625061	8	BUSHING, front
4	3030029	2	PLATE (Requires welding to install)
5	3030035	1	BOOM ASSEMBLY, front section (Includes item 3)(Replaces Shovel Linkage)
6	3030067	4	PIN, boom pivot
	914465	4	FITTING, lubricating, straight, 1/8"NPT
7	3001622	4	PIN, retaining, pivot pin
	900806	4	PIN, cotter, 1/8" x 1"
8	3030070	2	LINK, dump (Replaces Shovel Link)
9	624997	2	PIN, link pivot
	914465	2	FITTING, lubricating, straight, 1/8"NPT
10	3013568	2	PIN, retaining, pivot pin
	900810	2	PIN, cotter, 3/16" x 1-1/4"
11	-----	-	LINK ASSEMBLY, cross (See SHOVEL LINKAGE)

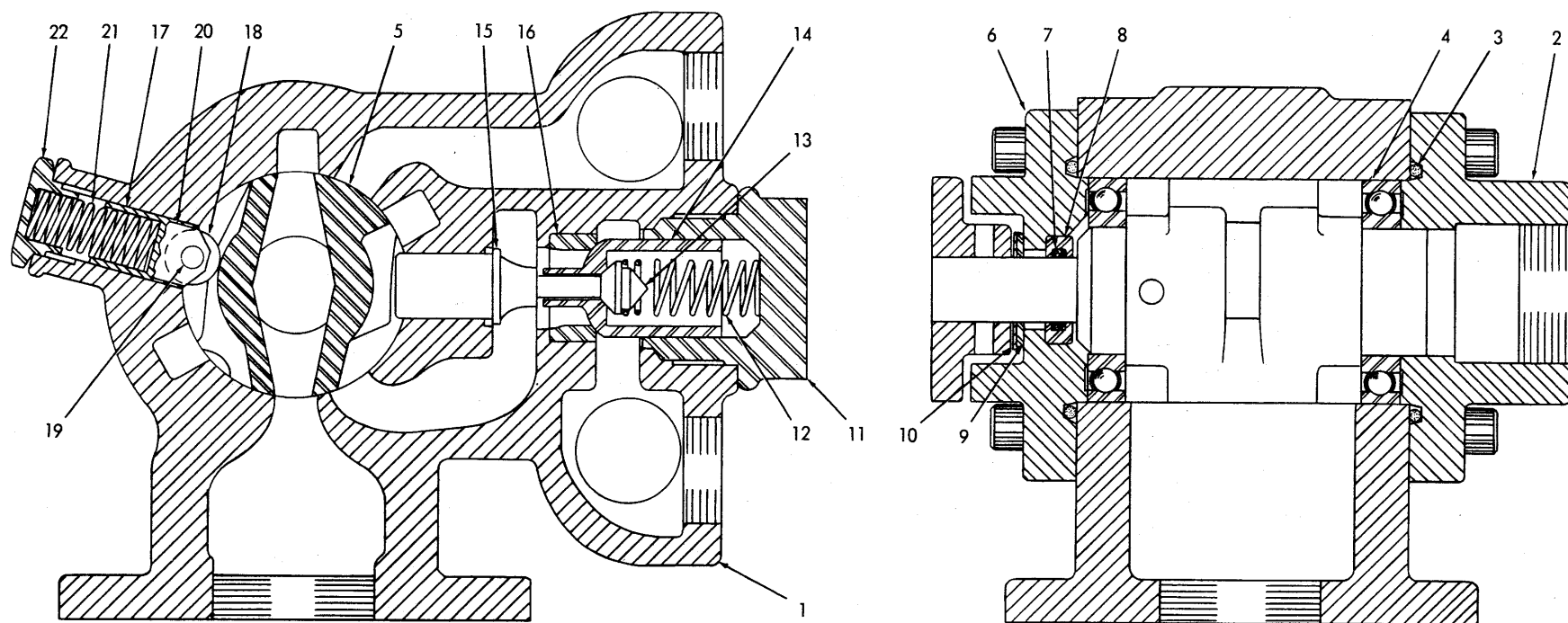


LOADER VALVES AND CONTROLS

LOADER VALVES AND CONTROLS

USAGE: For units equipped with Pulpwood Loader

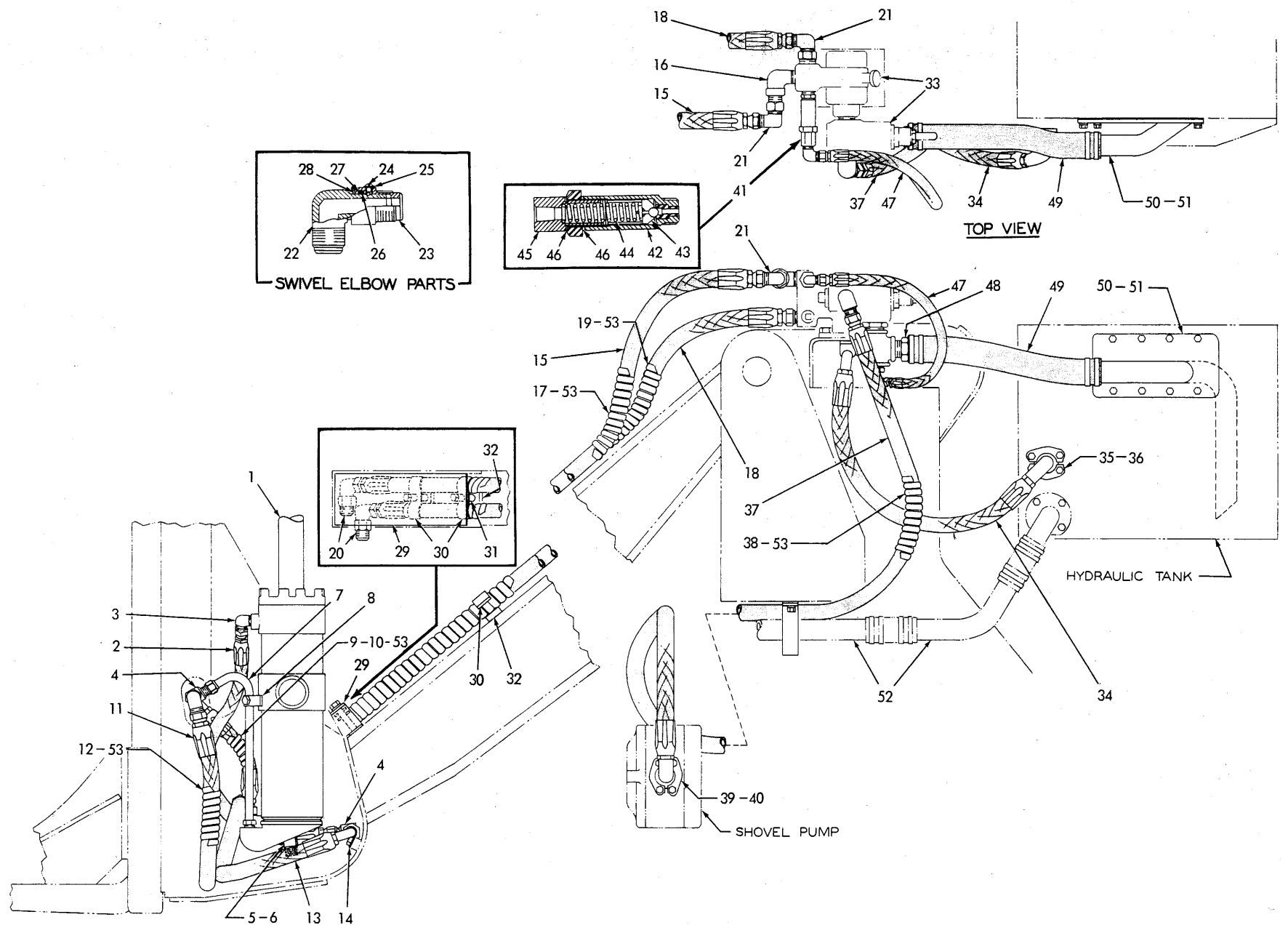
ITEM	PART NO.	QTY.	DESCRIPTION
1	627730	1	VALVE ASSEMBLY, control (See page 403 for parts)
	901666	3	PLUG, pipe, sq.-socket, 1"NPT
	913105	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
2	3019541	1	PLATE, valve mounting (Requires welding to install)
3	627810	1	VALVE ASSEMBLY, relief (See page 413 for parts)
	901783	1	PLUG, pipe, 1/4"NPT (brass)
	912769	1	PLUG, pipe, 1-1/4"NPT
4	901530	1	NIPPLE, pipe, 1-1/4"NPT x 1-5/8"
5	3019542	1	LEVER ASSEMBLY, valve (Includes item 6)
	916271	3	CAPSCREW, 3/8"NC x 1"
	904206	3	LOCKWASHER, 3/8"
6	3013909	1	BUSHING, valve lever
7	3007818	1	SPRING, lever retracting
8	3017871	1	ROD, control valve
	913177	1	NUT, jam, 1/2"NF
9	049993	2	PIN, yoke, 1/2" diam.
	900806	2	PIN, cotter, 1/8" x 1"
	917666	1	YOKE, rod end, adjustable, 1/2"NF
10	3017872	1	LEVER ASSEMBLY, operating (Includes items 11, 12 and 13)
11	3013909	1	BUSHING, operating lever
12	3005955	2	BEARING, operating lever
13	3005957	2	SEAL, operating lever bearing
14	3001171	1	KNOB, operating lever
15	3017874	1	BRACKET ASSEMBLY, operating rod (Includes PIN 921272)
	921272	1	PIN, roll, 3/16" x 1-3/4"
	012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
	910255	1	WASHER, plain, SAE std., 3/4" (Lever spacing)
16	3017086	1	WASHER, operating lever
	921138	1	NUT, elastic stop, 3/4"NF
17	-----	-	ROD (See SHOVEL VALVE AND CONTROLS)



CONTROL VALVE ASSEMBLY 627730

USAGE: See page 401

ITEM	PART NO.	QTY.	DESCRIPTION
1	627771	1	HOUSING, valve
	901666	3	PLUG, pipe, sq-socket, 1"NPT
2	627770	1	COVER, inlet side
	917733	6	CAPSCREW, hex-socket-hd., 3/8"NC x 1-1/4"
3	923829	2	O-RING, cover
4	607905	2	BEARING, ball, valve
5	627769	1	CAM ASSEMBLY, valve (Serviced only as a unit)
6	627767	1	COVER ASSEMBLY, control side (Includes items 3, 7 and 8)
	917733	6	CAPSCREW, hex-socket-hd., 3/8"NC x 1-1/4"
7	3041922	1	O-RING, cam
8	607647	1	RETAINER, cam o-ring
9	607909	1	WASHER, valve stem (felt)
10	607910	1	RETAINER, valve washer
11	607043	1	CAP, check valve
12	607324	1	SPRING, check valve
13	607045	1	VALVE, check, inner
14	607044	1	VALVE, check, outer
15	607046	1	PLUNGER, check valve operating
16	627766	1	SEAT, check valve
17	627762	1	ROLLER ASSEMBLY, cam (Consists of item 18 thru 20)
18	627764	1	ROLLER, cam
19	627763	1	PIN, cam roller
20	627765	1	PLUNGER, cam roller
21	3015072	1	SPRING, cam roller
22	3015071	1	CAP, cam roller



LOADER HYDRAULIC CYLINDER AND PIPING (First type)

T-72314

LOADER HYDRAULIC CYLINDERS AND PIPING

USAGE: Shovels prior to January 1960. For units equipped with Pulpwood Loader.

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 3019144	1	CYLINDER ASSEMBLY, left (See page 409 for parts)
	{ 3017334	1	CYLINDER ASSEMBLY, right (See page 409 for parts)
2	625273	2	HOSE ASSEMBLY, tong opening, front (See page 6 for parts)
3	3002184	2	ELBOW, swivel, 90°
	922318	1	ELBOW, 90°, flare type, 3/4" tube, 1"NPT male
4	625195	2	TEE, hose connecting
5	3001437	2	CLIP, hose supporting
	916386	1	CAPSCREW, 3/8"NF x 2-1/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
6	3009997	2	BLOCK, spacing
7	3019124	1	TUBE ASSEMBLY, tong closing, left front (Includes nuts)
	919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
8	3016304	1	CLIP, tube supporting
	916381	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911115	-	WASHER, plain, SAE std., 3/8" (Use as required)
9	3019141	1	HOSE ASSEMBLY, tong closing, right front (Includes item 10.
			Also see page 6 for parts)
	919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
10	-----	1	GUARD, hose protecting (28" long. Order item 53)
11	3019140	1	HOSE ASSEMBLY, tong closing, intermediate (Includes item 12.
			Also see page 6 for parts)
	920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT male
12	-----	1	GUARD, hose protecting (35" long. Order item 53)
13	3019142	1	HOSE ASSEMBLY, tong opening, intermediate (See page 6 for parts)
14	3011248	1	CLIP, hose supporting
	916381	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
15	3017877	1	HOSE ASSEMBLY, tong opening, rear (Includes item 17. Also see
			page 6 for parts)
16	3004629	1	ELBOW, street, 90°
17	-----	1	GUARD, hose protecting (98" long. Order item 53)
18	3017796	1	HOSE ASSEMBLY, tong closing, rear (Includes item 19. Also see
			page 6 for parts)
19	-----	1	GUARD, hose protecting (101" long. Order item 53)
20	3009453	2	ELBOW ASSEMBLY, hose swivel, lower (Consists of items 22 thru 28)
21	3014050	2	ELBOW ASSEMBLY, hose swivel, upper (Consists of items 22 thru 28)
22	-----	1	ADAPTER, swivel, male (Not serviced separately)

(Continued)

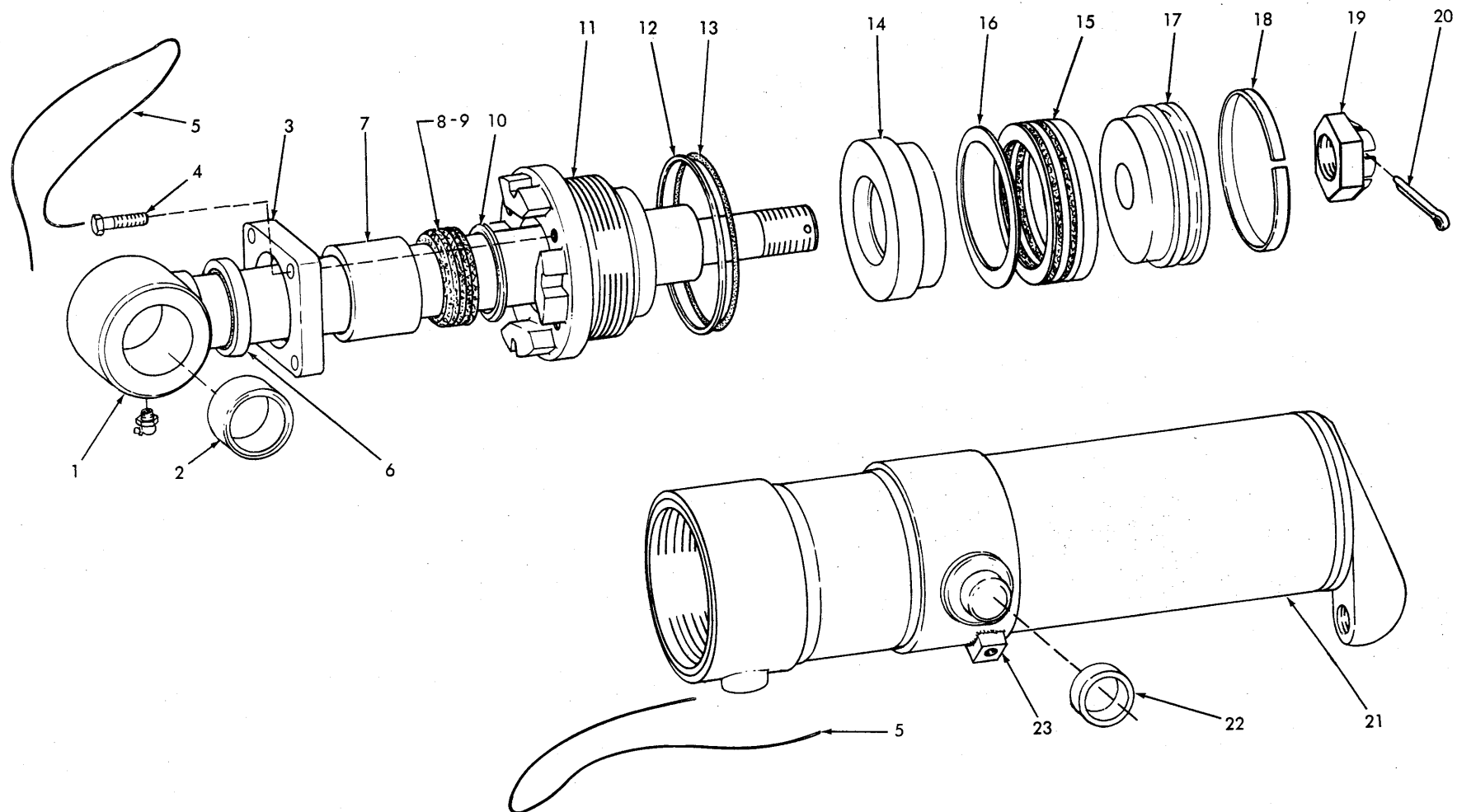
LOADER HYDRAULIC CYLINDERS AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	-----	1	ADAPTER, swivel, female (Flared end. For ELBOW ASSEMBLY 3009453)(Not serviced separately)
	-----	1	ADAPTER, swivel, female (Pipe end. For ELBOW ASSEMBLY 3014050)(Not serviced separately)
	915906	16	BALL, steel, 3/16" diam.
24	3009451	1	SCREW, machine, rd-hd.,
25	3011236	1	WASHER, plain
26	923575	1	O-RING, swivel adapter
27	3009450	1	WASHER, swivel adapter (leather)
28	3005895	1	SEAL, swivel adapter
29	3019445	1	PLATE, hose protecting
30	625221	4	CLAMP, hose
	913105	2	CAPSCREW, 1/2"NF x 1-1/2"
	916420	2	CAPSCREW, 1/2"NF x 2-1/4"
	904208	4	LOCKWASHER, 1/2"
	910244	2	WASHER, plain, SAE std., 1/2"
31	3019458	2	SPACER, hose clamp
32	626382	4	SPACER, hose (Requires welding to install)
33	-----	-	VALVES (See LOADER VALVES AND CONTROLS)
34	3017873	1	HOSE ASSEMBLY, pressure, tank to valve (See page 6 for parts)
	920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT male
	922501	1	BUSHING, pipe reducing, 1-1/2"NPT to 1"NPT
35	921118	2	FLANGE, split, hose attaching (half only)(tank end)
	913249	4	CAPSCREW, 1/2"NF x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
36	923578	1	O-RING, pressure hose (tank end)
37	3017884	1	HOSE ASSEMBLY, pressure, pump to valve (Includes item 38. Also see page 6 for parts)
	922742	1	ELBOW, 90°, flare type, 1" tube, 1-1/2"NPT male
38	-----	1	GUARD, hose protecting (130" long. Order item 53)
39	921117	2	FLANGE, split, hose attaching (half only)(pump end)
	916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
40	923664	1	O-RING, pressure hose (pump end)
41	627772	1	VALVE ASSEMBLY, safety (Consists of items 42 thru 46)
	901829	1	BUSHING, pipe reducing, 1"NPT to 3/4"NPT
42	3019598	1	BODY, valve
43	3019977	1	PLUNGER ASSEMBLY, valve (Includes ball. Serviced only as a unit)
44	3016277	1	SPRING, valve plunger

(Continued)

LOADER HYDRAULIC CYLINDERS AND PIPING(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
45	627773	1	CAP, valve
	910098	1	NUT, jam, 1-1/8"NF
46	3001833	2	WASHER, plain
47	3013864	1	HOSE ASSEMBLY, return, safety valve (See page 6 for parts)
	920662	2	ELBOW, 90°, flare type, 5/8" tube, 1/2"NPT male
	901843	1	BUSHING, pipe reducing, 1-1/4"NPT to 1/2"NPT
48	627779	1	ADAPTER, return line
	901708	1	TEE, pipe, 1-1/4"NPT
	901530	1	NIPPLE, pipe, 1-1/4"NPT x 5/8"
	901831	1	BUSHING, pipe reducing, 1-1/2"NPT to 1-1/4"NPT
49	3017875	1	HOSE, valve return
	921913	4	CLAMP, hose, 1-13/16" to 2-3/4" diam.
50	3017876	1	COVER, hydraulic tank (Replaces standard cover)
	904206	12	LOCKWASHER, 3/8"
	3019683	12	NUT, aluminum, 3/8"NC
51	626677	1	GASKET, tank cover
52	-----	-	TUBES, suction line (See SHOVEL HYDRAULIC CYLINDERS AND PIPING)
53	3016469	-	GUARD, hose protecting, 1-15/32" O. D. x 14 ft. roll (Use as required)



LOADER CYLINDER PARTS

T-72315

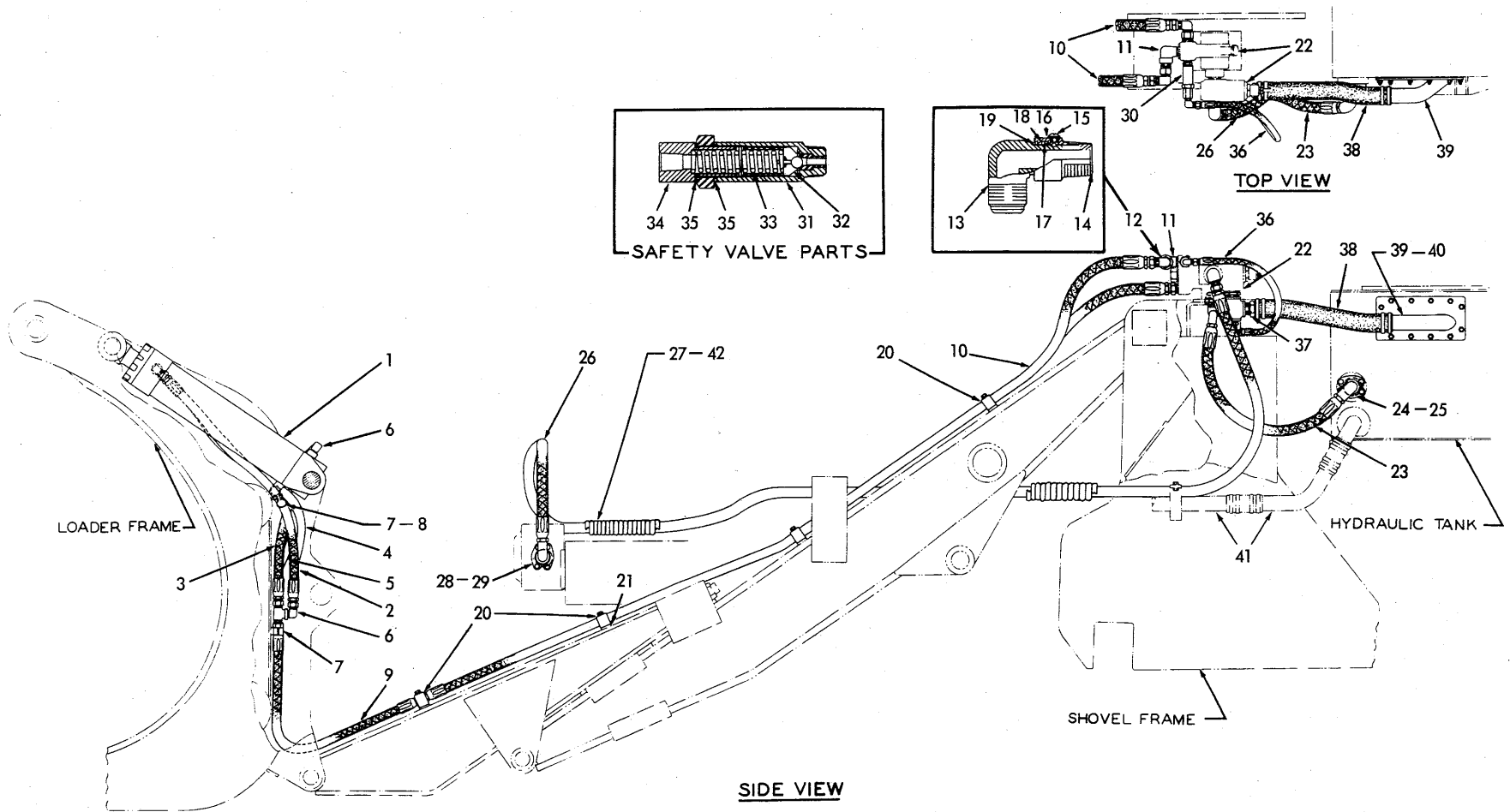
LOADER CYLINDER PARTS

USAGE: See page 405

ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

NOTE: Quantities indicated are for one (1) cylinder only

1	3004546	1	ROD ASSEMBLY, piston (Includes item 2)
	915276	1	FITTING, lubricating, 90°, 1/8"NPT
2	3001066	2	BUSHING, piston rod
3	3016405	1	PLATE, end
4	3007904	4	CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"
5	3001085	2	WIRE, locking, #16 x 17"
6	3001538	1	SEAL, piston rod wiping
7	3016601	1	BEARING, rod packing
8	3017249	1	PACKING SET, rod (Consists of 4 RING 3001534)
9	3001534	4	RING, packing (duck)
10	3001532	1	RING, adapter, male
11	3016272	1	HEAD, cylinder
12	3016189	1	RING, back-up (Also order 1 O-RING 923593)
13	923593	1	O-RING, cylinder head (Also order 1 RING 3016189)
14	3001300	1	PISTON, upper
15	3001476	1	PACKING SET, piston
16	3003160	-	SHIM, spacing (Use as required)
17	3001478	1	PISTON, lower
18	3001482	1	RING, bearing, lower piston
19	911058	1	NUT, castle, 1-1/2"NF
20	901345	1	PIN, cotter, 1/4" x 2-1/2"
21	3017333	1	TUBE ASSEMBLY, cylinder (Includes item 22)(When replacing left cylinder tube also order item 23)
22	624934	2	BUSHING, cylinder tube (Requires welding to install)
23	3008694	1	BLOCK, tapped (Requires welding to install)(For left cylinder tube only)
24	3017561	1	REPAIR KIT, (Consists of items 4 thru 8, 10, 12, 13, 15, 18 and 20) (Not illustrated)



LOADER HYDRAULIC CYLINDERS AND PIPING (Second type)

T-30857

LOADER HYDRAULIC CYLINDERS AND PIPING

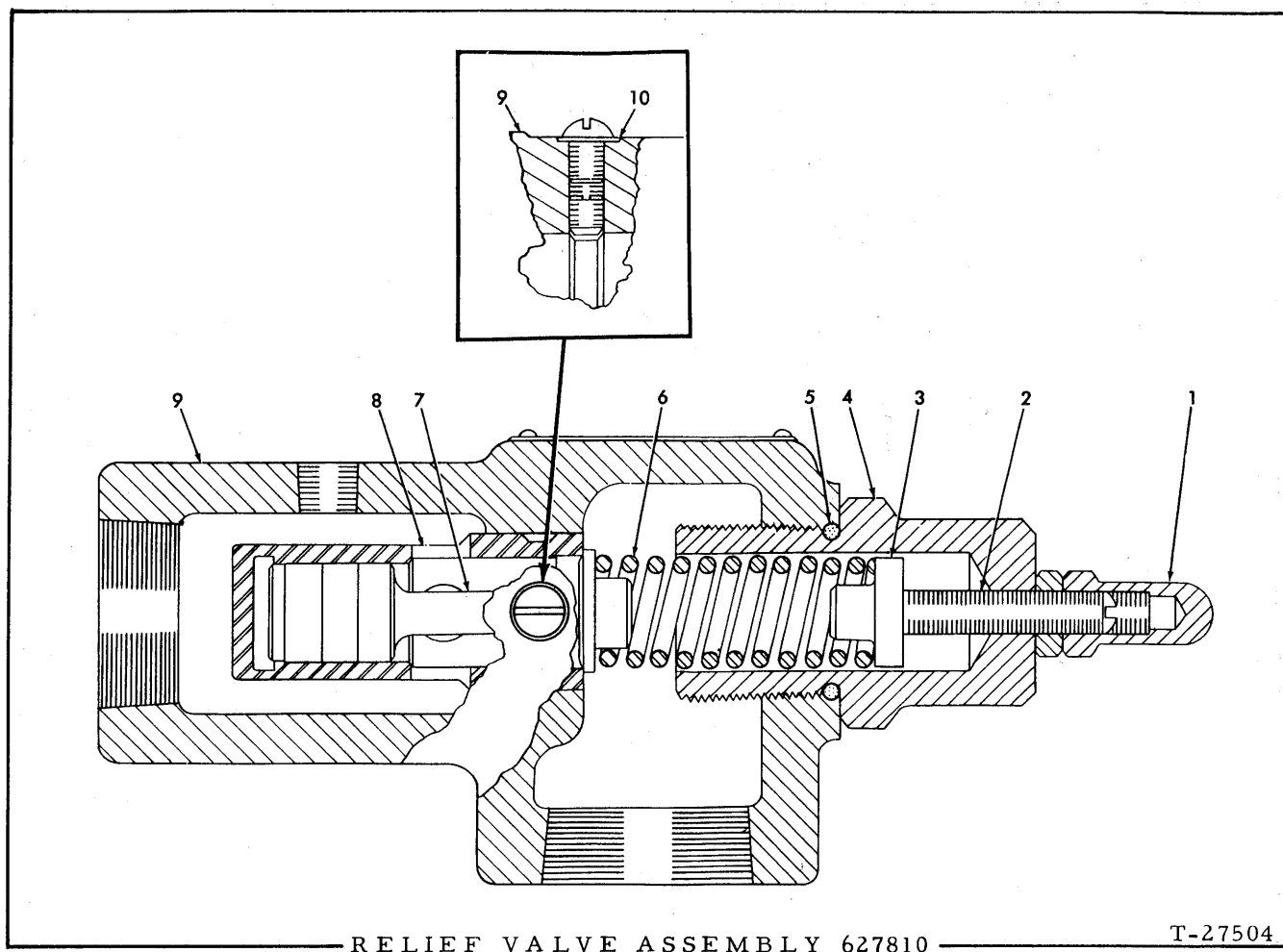
USAGE: Effective January 1960. For units equipped with Pulpwood Loader

ITEM	PART NO.	QTY.	DESCRIPTION
1	3018012	2	CYLINDER ASSEMBLY, loader (See page 415 for parts)
2	3030080	1	HOSE ASSEMBLY, tong opening, left front (See page 6 for parts)
3	3030079	1	HOSE ASSEMBLY, tong opening, right front (See page 6 for parts)
4	3030081	1	HOSE ASSEMBLY, tong closing, left front (See page 6 for parts)
5	3030078	1	HOSE ASSEMBLY, tong closing, right front (See page 6 for parts)
	920692	1	ELBOW, 45°, flare type, 3/4" tube, 3/4"NPT male
6	3002184	5	ELBOW, swivel, hose connecting (90°)
7	3030086	5	CLAMP, hose (half only)
	916383	3	CAPSCREW, 3/8"NF x 1-1/2"
	904206	3	LOCKWASHER, 3/8"
8	3016235	2	SPACER, hose clamp
9	3030077	2	HOSE ASSEMBLY, tong opening and closing, intermediate (See page 6 for parts)
	922741	2	TEE, flare type, 3/4" tube, 3/4"NPT female
10	3030076	2	HOSE ASSEMBLY, tong opening and closing, rear (See page 6 for parts)
11	3004629	1	ELBOW, street, 90°
12	3014050	2	ELBOW ASSEMBLY, hose swivel (Consists of items 13 thru 19)
13	-----	1	ADAPTER, swivel, male (Not serviced separately)
14	-----	1	ADAPTER, swivel, female (Not serviced separately)
	915 906	16	BALL, steel, 3/16" diam.
15	3009451	1	SCREW, machine, rd-hd.
16	3011236	1	WASHER, plain
17	923575	1	O-RING, swivel adapter
18	3009450	1	WASHER, swivel adapter (leather)
19	3005895	1	SEAL, swivel adapter
20	626386	4	CLAMP, hose
	913105	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
21	626382	4	SPACER, hose clamp (Requires welding to install)
22	-----	-	VALVES (See LOADER VALVES AND CONTROLS)
23	3017873	1	HOSE ASSEMBLY, pressure, tank to valve (See page 6 for parts)
	922501	1	BUSHING, pipe reducing, 1-1/2"NPT to 1"NPT
	920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT male
24	921118	2	FLANGE, split, hose attaching (half only)(tank end)
	913249	4	CAPSCREW, 1/2"NF x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
25	923578	1	O-RING, pressure hose (tank end)

(Continued)

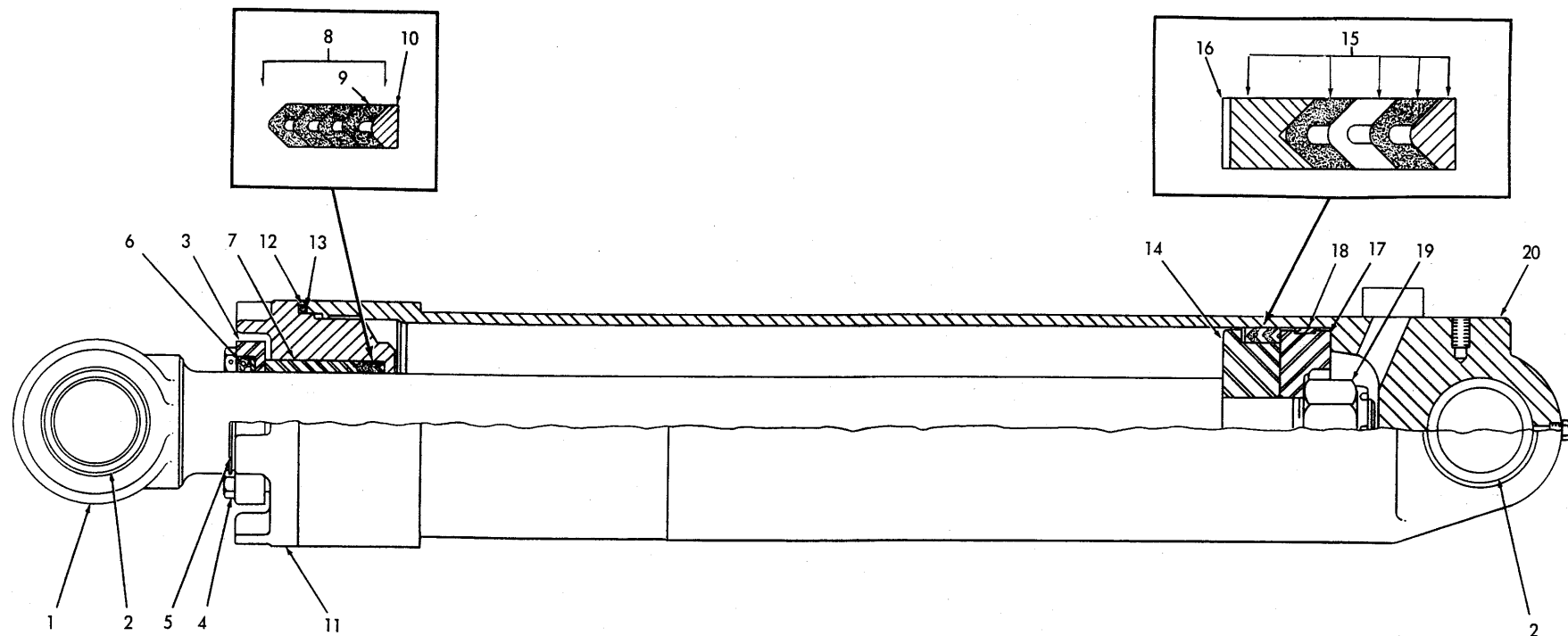
LOADER HYDRAULIC CYLINDERS AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	3017884	1	HOSE ASSEMBLY, pressure, pump to valve (Includes item 27. Also see page 6 for parts)
	922742	1	ELBOW, 90°, flare type, 1" tube, 1-1/2"NPT male
27	-----	1	GUARD, hose protecting (130" long. Order item 42)
28	921117	2	FLANGE, split, hose attaching (half only)(pump end)
	916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
29	923664	1	O-RING, pressure hose (pump end)
30	627772	1	VALVE ASSEMBLY, safety (Consists of items 31 thru 35)
	901829	1	BUSHING, pipe reducing, 1"NPT to 3/4"NPT
31	3019598	1	BODY, valve
32	3019977	1	PLUNGER ASSEMBLY, valve (Includes ball. Serviced only as a unit)
33	3016277	1	SPRING, valve plunger
34	627773	1	CAP, valve
	910098	1	NUT, jam, 1-1/8"NF
35	3001833	2	WASHER, plain
36	3013864	1	HOSE ASSEMBLY, return, safety valve (See page 6 for parts)
	920662	2	ELBOW, 90°, flare type, 5/8" tube, 1/2"NPT male
	901843	1	BUSHING, pipe reducing, 1-1/4"NPT to 1/2"NPT
37	627779	1	ADAPTER, return line
	901708	1	TEE, pipe, 1-1/4"NPT
	901530	1	NIPPLE, pipe, 1-1/4"NPT x 1-5/8"
	901831	1	BUSHING, pipe reducing, 1-1/2"NPT to 1-1/4"NPT
38	3017875	1	HOSE, valve return
	921913	4	CLAMP, hose, 1-13/16" to 2-3/4" diam.
39	3017876	1	COVER, hydraulic tank (Replaces standard cover)
	904206	12	LOCKWASHER, 3/8"
	3019683	12	NUT, aluminum, 3/8"NC
40	626677	1	GASKET, tank cover
41	-----	-	TUBES, suction line (See SHOVEL HYDRAULIC CYLINDERS AND PIPING)
42	3016469	-	GUARD, hose protecting, 1-15/32" O.D. x 14 ft. roll (Use as required)



USAGE: See page 401

ITEM	PART NO.	QTY.	DESCRIPTION
1	3002757	1	NUT, acorn (3/8"NF)
	911048	1	NUT, jam, 3/8"NF
2	922174	1	SCREW, adjustment
3	3003912	1	GUIDE, spring
4	3003916	1	CAP, end
5	923649	1	O-RING, end cap
6	3023925	1	SPRING, pressure relief plunger
7	3003914	1	PLUNGER, pressure relief
8	3003915	1	SEAT, pressure relief plunger
	912236	1	SETSCREW, hex-socket, cup-pt., 5/16"NC x 1/2"
9	-----	1	HOUSING, valve (Not serviced separately)
	914372	1	SCREW, machine, 5/16"NC x 3/8"
10	3001737	1	WASHER, sealing



CYLINDER ASSEMBLY 3018012

LOADER CYLINDER ASSEMBLY 3018012

USAGE: See page 411

ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

NOTE: Quantities indicated are for one (1) cylinder only

1	3018011	1	ROD ASSEMBLY, piston (Includes 2 BUSHING 3001066)
2	3001066	4	BUSHING, piston rod and cylinder tube
3	3016405	1	PLATE, end
4	3007904	4	CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"
5	3001085	2	WIRE, locking, #16 x 17"
6	3001538	1	SEAL, piston rod wiping
7	3016601	1	BEARING, rod packing
8	3017249	1	PACKING SET, rod (Consists of 4 RING 3001534)
9	3001534	4	RING, packing (duck)
10	3001532	1	RING, adapter, male
11	3017499	1	HEAD, cylinder
12	3013388	1	RING, back-up
13	923592	1	O-RING, cylinder head
14	3013390	1	PISTON, front
15	3013377	1	PACKING SET, piston
16	3013376	-	SHIM, spacing (Use as required)
17	3013391	1	PISTON, rear
18	3013392	1	RING, bearing, rear piston
19	917778	1	NUT, elastic stop (1-1/2"NF)
20	3035240	1	TUBE ASSEMBLY, cylinder (Includes 2 BUSHING 3001066)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
21	3019675	1	REPAIR KIT (Consists of items 4 thru 8, 10, 12, 13, 15 and 18) (Not illustrated)

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
011089...332		034300...223		042121...195		049111...265,269,271	
011100...341		034440...322,325		042538...223		049662...255	
012238...341		034924...311		042658...337		049877...267	
012387...344		035014...269,271,277		042659...337		049918...186 thru 233	
012389...344		035018...93 thru 291		042767...152		049988...93 thru 251	
012468...332		035061...27 thru 343		042847...145,149		049993...163 thru 401	
012526...254		035067...72 thru 326		042873...338		049994...241	
012762...252		035068...91 thru 239		042887...267		050214...223	
012767...253,267,278		035073...226 thru 379		042888...267		050220...223	
012984...253,278		035159...186 thru 206		042898...338		050221...167 thru 223	
012992...71 thru 401		035167...71 thru 282		042979...119		050222...223	
013044...337,341		035188...343		043000...342		050227...223	
013058...128 thru 342		035190...13 thru 287		043001...342		050249...223	
013059...71,109,149		035196...343		043002...342		050265...207,211,214	
013207...342		035220...62,286,288		043003...337		050267...203 thru 214	
013465...139,267		035221...231,234,321		043004...337		050288...329	
013467...263		035229...258,261		043006...342		050293...149,341	
014463...138		035236...173 thru 343		043344...301		050357...225	
021527...337		035244...57,170,341		043397...152		050433...239	
021537...342		035249...39 thru 341		043421...345		050440...223	
023176...110		035250...39 thru 341		043713...322		050442...163,165	
023465...258,229		035280...338		043716...322		050447...278	
023574...140		035306...258		043769...345		050510...291	
023618...259 thru 282		035336...170 thru 301		043852...102		050543...253	
023633...180 thru 377		035392...226		043853...102		050547...181,183	
023755...311,312,341		035420...281		043856...102		050548...181,183	
023756...223 thru 341		035439...88 thru 285		043860...102		050551...291	
028113...338		035525...55 thru 291		043881...239,245,311		050566...207,211	
028114...338		035712...196,206,209		043886...141		050579...145	
028115...338		035733...91 thru 282		043890...199		050594...72	
028979...192,247		035793...223,235		043991...102		050595...72	
030107...145		035878...223		044044...323		050608...344	
030123...145		035892...213,242,247		044211...310		050609...345	
030504...342		035910...87 thru 214		044249...123 thru 178		050610...345	
030965...341		035916...289		044255...102		050612...345	
031337...110,113,117		035942...238		044256...102		050647...145,149	
031854...241		035979...70 thru 323		044741...195		050734...283	
032312...338		036032...55 thru 377		044967...342		050735...283	
032325...337		036034...71 thru 345		044968...341		050748...149,155	
032326...338		036039...88 thru 321		044969...341		050767...110	
032331...338		036093...337		044970...343		050787...72	
032335...337		036094...337		044973...71 thru 345		050838...293	
032336...337		036095...337		044975...341		050842...293	
032341...338		036140...338		044976...342		050972...169	
032342...338		036141...338		044978...342		051006...110,113,117	
032345...338		036142...338		044979...342		051291...221	
032347...337		036203...251		044980...342		051352...279	
032358...337		036268...344		044982...343		051429...267	
032747...342		036283...342		044984...343		051447...206 thru 338	
032748...342		036546...279		045143...367,372		051478...267	
032749...342		036707...337,339,341		045174...321		051482...267	
032751...342		036997...163 thru 239		045253...213		051483...267	
032752...343		037450...70,87,170		045295...91		051484...267	
032753...342		037461...247		045312...147,151,247		051496...227	
032754...341		037573...241		045507...119,138		051513...163 thru 251	
032762...342		037676...339,341		045524...265		051597...145	
032764...342		037693...255		046321...141		052016...283	
032780...342		038234...72,335		046419...167 thru 342		052049...196	
032834...333		038563...338		047151...267		052070...233	
032939...337		040013...153		047307...322		052225...196	
032941...337		040220...151		047381...69,301		052270...221	
032944...343		040221...151		047478...163 thru 223		052360...72	
032946...343		040272...345		047581...267		052371...344	
033043...331		040382...71,149,174		047603...342		052374...196	
033060...333		040400...109		047605...267		052444...228,233	
033074...239		040736...345		047678...331		052459...251	
033288...231 thru 271		040796...110 thru 329		047852...305		052527...139,225	
033393...341		040831...193		048142...299 thru 329		052564...245	
034014...322		040969...310		048375...147		052601...245	
034042...265,267,269		040973...310		048603...114,118		052620...242	
034043...265,267,269		040974...310		048606...114,118		052643...211,245	
034076...292 thru 297		041076...272		048608...114,118		052662...211,245	
034152...110,114,331		041250...153		048676...377		052669...170,241,242	
034253...94		041877...195		048698...201		052671...241,242	
034265...185,189,191		041913...105,106,335		048922...295,296,297		052747...167	
034268...189,191		041914...149		049109...265,269,271		052782...302	
034269...185,189,191		041981...88,91,93		049110...265,269,271		052791...302	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
052917...305		056881...267		059876...180, 181, 183		068329...341	
052922...226		056895...257, 261		059879...180, 181		068388...339, 343	
052969...99		056945...163, 165, 167		059883...251		068389...163 thru 343	
052970...99		056966...234		059969...169		068399...325	
052976...226		056969...233		059971...169		068404...325	
052977...226		056970...233		059973...169		068405...325	
052979...226		056971...233		059981...169		068480...339	
053005...245		057003...235		060552...225		068487...337, 339	
053077...238		057004...235		060668...237		068488...339	
053277...326		057005...235		060770...237		068490...339	
053421...227		057006...235		060772...237		068491...339	
053423...345		057187...239		060774...237		068511...163	
053616...203, 217, 219		057191...238		060953...238		068629...338	
053617...206		057193...239		061087...341		068630...337	
053619...105, 248		057195...238		061088...341		068631...337	
053667...99, 101, 283		057196...239		061133...223		068632...338	
053899...145		057197...238		061490...147		068859...87, 89	
053926...163 thru 242		057200...238		061631...195, 206		068861...87, 89	
053927...163		057207...237		063889...59		068862...87, 89	
053929...165		057208...237		063890...59		068864...87, 89	
054034...217, 219		057273...233		063891...59		068865...87, 89	
054130...71 thru 218		057281...195		064374...226		068866...87	
054229...195		057282...192		064376...226		068869...87, 89	
054459...161		057283...197		064377...226		068875...111	
054824...257		057289...192		064413...279		068876...111	
054890...231 thru 271		057291...192		064414...279		068878...111	
054968...255		057375...223		064531...72 thru 343		068879...111	
055232...69, 70		057381...237		064810...145 thru 285		068881...111	
055234...57, 71		057382...237		064942...241		068911...87, 89	
055349...206		057407...203		065413...102		069080...231	
055416...170		057432...189, 191		065468...140		069106...231	
055536...331		057517...239, 285		065512...193		069164...111	
055589...295, 296, 297		057773...151		065577...64		069220...223	
055676...55		057777...253		065582...65, 67		069233...192	
056260...257, 261		057784...331		065613...72		069235...192, 195	
056261...257, 261		057836...247		065872...254		069236...195	
056312...267		057838...251		066068...272		069237...195	
056313...267		057839...251		066251...111		069238...195	
056346...265		057841...247		066252...111		069239...195	
056413...254		057842...242, 247		066253...107		069240...192	
056417...255		057843...251		066255...111		069242...197	
056418...255		057846...251		066261...107		069243...195	
056420...254		057848...251		066467...329		069244...197	
056421...254		057852...251		066517...107		069245...197	
056441...255		057984...247		066596...226		069246...197	
056508...228		058135...193		066661...129		069247...197	
056512...235		058274...339		066662...129		069248...197	
056513...235		058322...241		066693...265, 269, 271		069249...197	
056522...235		058702...231		066872...115		069254...195	
056585...269, 271		058723...102		066873...115		069317...328	
056590...257		058759...279		066874...115		069328...228	
056614...272		058796...233		066875...115		069339...203	
056645...273		058806...233		066876...115		069349...89	
056652...273		058807...233		067110...322, 325		069366...199	
056702...279		058814...231		067112...322, 325		069382...195	
056706...279		058826...233		067543...186, 189, 191		069384...195	
056711...278		058827...295		067559...267		069385...197	
056721...145, 153, 155		058828...295		067566...339		069386...201	
056778...221		058831...295		067577...221		069389...195	
056780...221		058925...231		067618...221		069401...195	
056788...235		058936...118, 157		067619...242		069403...192	
056790...223		058937...345		067620...226		069404...203	
056791...223		059007...279		067621...226		069409...221	
056792...223		059144...102		067622...242		069427...201	
056793...223		059149...102		067623...242		069428...192	
056794...223		059261...192		067627...197		069441...228	
056797...221		059294...102		067680...221		069443...193, 196	
056798...221		059328...201		067902...335		069444...193	
056799...221		059589...201		067937...294		069445...199, 201	
056801...235		059698...292		068163...241		069446...199, 201	
056802...265		059813...180		068165...241		069447...201	
056817...223		059857...343		068166...241		069448...201	
056864...147, 152		059860...341		068169...241		069452...192	
056865...163		059861...343		068173...241		069454...197	
056871...163		059869...341		068323...341		069455...197	
056872...163		059872...343		068324...341		069456...192	
056873...163		059873...180, 183		068326...341		069457...195	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
069458...195		073925...147		078742...203 thru 213		082785...223	
069459...192		073926...147		078810...88 thru 377		082875...89, 95, 205	
069460...195		073927...147, 152		078814...149		082910...147	
069461...192		074099...98		078840...283		082937...99	
069462...197		074100...102		078860...195		083083...226	
069463...192		074155...183		078861...199		083084...226	
069465...195		074387...295		078862...193, 201		083085...226	
069468...203		074388...298, 326		078864...192, 195		083091...145	
069469...197		074452...310, 322, 324		078867...279		083121...145	
069477...203		074565...265		078904...102		083134...147	
069489...241		074566...265		078908...238		083135...147	
069490...241		074567...265		078967...87, 95, 205		083136...147	
069492...189		074568...265		078981...269, 271		083143...147	
069511...199		074569...265		079203...238		083145...147	
069512...199		074571...265		079229...238		083149...147	
069514...195		074573...265		079234...196		083150...259, 263	
069521...241		074577...293		079256...196		083163...258	
069614...233		074578...293		079421...251		083164...258	
069615...233		074579...294		079529...274		083165...259, 263	
069641...331		074814...196		079533...275		083208...265, 269, 271	
069648...226		074815...196		079534...331		083263...291	
069656...221		074817...196		079535...332		083270...145	
069674...305, 307, 309		074818...193		079536...331		083388...283	
069996...87, 89		074822...193		079538...331		083536...267	
070161...259 thru 281		074824...201		079742...238		083573...206	
070162...181, 183		074838...193		079751...21		083598...207	
070192...342		074841...196		079815...275		083625...93	
070299...267		074842...193		079887...331		083674...286, 287	
070400...259		074887...113, 117		080166...203 thru 214		083870...145	
070403...231		075053...225		080207...291		083920...299	
070467...226 thru 331		075322...303		080513...251		083987...305, 307	
070469...231 thru 291		075391...185		080514...251		083988...305, 307	
070590...271		075429...298		080667...278		083989...305, 307	
070792...341		075432...227		*080704...163, 165		083990...305, 307	
070861...254		075434...227		080865...207, 210		084003...141	
070960...169		075471...109		080866...207, 210		084010...141	
071014...257, 261		075535...301, 326		080867...214		084042...141	
071209...338		075769...111		080882...214		084227...335	
071800...87, 89		075770...111		080939...214		084236...234	
072366...221 thru 273		075771...107		081140...145		084238...327	
072438...93		075853...298		081200...201		084271...231	
073034...245		075854...298		081201...201		084277...233	
073111...265, 269, 271		075950...180		081202...201		084278...233	
073112...265, 269, 271		075955...251		081270...203		084284...331	
073116...91		076123...239		081404...303		084289...233	
073160...269, 271		076259...179		081407...269, 271		084297...229	
073161...269, 271		076461...180, 181, 183		081408...269, 271		084299...234	
073162...269, 271		076469...303		081471...269		084303...231	
073165...269		076498...70		081534...245		084311...231	
073437...253		076544...87, 91		081619...88, 91		084312...231	
073468...279		076572...303		081787...231		084313...231	
073536...102		076668...59		081788...233		084314...291	
073553...275		076726...225		081795...99, 101		084315...291	
073558...277		076846...203, 207		081796...99, 101		084319...235	
073592...275		077175...338		081802...249		084326...231	
073733...196		077212...385		081867...303		084333...234	
073735...345		077239...179		082178...311, 313		084334...181	
073738...196		077241...175, 120, 249		082189...62, 69, 70		084335...229	
073806...254		077279...299		082262...223		084337...231	
073808...193, 196		077415...384		082278...221		084342...275, 276	
073899...147		077672...257		082441...61, 62		084349...233	
073901...147		077673...257		082442...55, 56		084357...239	
073902...147		077680...331		082443...59		084359...238	
073903...147		077682...331		082444...59		084385...99	
073907...147		077687...331		082449...58		084401...205	
073908...147, 15 2		077727...269		*082488...58		084421...99	
073914...147		077728...269		082489...58		084425...252	
073915...147		077888...292		082490...58		084432...231, 233	
073916...147		078314...180		082491...58		084435...180	
073917...147		078402...207, 210, 214		082492...58		084442...207	
073918...147		078407...331		082493...58		084453...88	
073919...147		078482...343		082505...58		084476...163, 167	
073920...147		078521...189		082636...239		084493...13	
073921...147		078620...87 thru 241		082638...205, 209, 213		084495...203	
073922...147		078667...147, 152		082716...145		084501...105	
073923...147		078701...274		082726...227		084508...99	
073924...147		078702...274		082727...227		084513...88	
				*080757...59			
				*082487...58			

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
084517...13		087031...55		089099...70		093256...229	
084520...110, 113, 117		087032...55		089107...21		093339...140	
084524...95		087040...143		089147...299		093389...272	
084525...209, 213		087041...143		089152...298		093561...281	
084526...94, 97		087042...143		089182...163, 165, 167		093564...282	
084528...181		087043...143		089227...281		093583...139	
084530...187		087044...143		089228...281		093605...281	
084536...181		087049...61		089292...325		093628...141	
084537...181		087050...55		089320...229		093713...193	
084539...241		087051...55		089336...291		093751...57, 71	
084545...181		087052...69		089607...21		093752...71, 217, 219	
084548...239		087053...61		089641...303		093805...265	
084580...88		087058...55		089642...303		093982...272	
084584...23		087069...61		089644...317, 319		093996...223	
084586...181, 183		087082...69		089646...98		094095...56	
084659...87		087104...282		089709...344		094167...59	
084729...94		087105...281		089814...185, 191		094226...70	
084731...88		087106...281		089829...206, 209, 213		094227...71	
084741...94		087107...284		089879...21		094285...97	
084789...299		087108...284		089894...21		094287...93	
084797...291		087111...283		089899...239		094290...89	
084798...321		087112...281		089904...285		094317...169	
084801...299		087146...291		090048...321		094319...70	
084802...321		087159...283		090126...335		094422...56, 71, 153	
084859...99		087184...252		090129...335		094450...307, 309	
084868...99 thru 117		087258...281		090279...285		094456...62	
084884...105		087259...281		090280...285		094467...71, 178	
084885...105		087262...87		090466...311		094483...161	
084887...105, 106, 335		087290...87		090597...283		094527...101 thru 309	
084888...141		087291...87		090645...196		094533...56	
084890...105		087303...95		090649...335		094543...226, 247	
084891...331		087307...283		090767...223, 235		094602...62	
084895...303		087326...283		090958...238		094630...326	
084897...59		087349...95		090960...237		094642...114, 117	
084898...331		087353...254		090977...305		094674...118	
084899...59		087355...254		091046...70		094692...307, 309	
084901...229		087356...254		091161...299, 301		094693...258	
084903...235		087357...254		091172...299, 301		094698...107	
084904...235		087368...305		091540...58		094699...107	
084905...235		087369...305		091571...233		094703...307, 309	
084909...305, 307		087385...99		091585...307, 309		094724...56	
084915...99		087403...88		091588...307, 309		094863...57	
085038...237		087456...286		091589...307, 309		094867...118	
085039...141		087460...286		091855...94, 96		094870...56	
085088...105		087468...72		091862...203 thru 377		094875...118	
085131...129		087472...291		091942...282		094890...114, 118	
085132...129		087475...291		091972...231		094952...257	
085135...129		087482...285		091973...234		094964...71	
085136...129		087528...143		091976...291		094966...71	
085210...380		087536...70		091996...21		094983...269	
085280...105		087538...143		092028...143		094984...269	
085288...123, 125, 127		087748...105, 106		092107...175, 179, 220		094985...258, 261	
085327...343		087871...61		092160...107 thru 117		094986...258, 261	
085328...343		087930...281		092163...286, 287		094987...97	
085390...343		087955...143		092431...259		094990...89	
085412...323		087958...223, 241		092432...259		094997...91	
085453...335		088038...113, 117		092437...259		094998...91	
085464...335		088117...380		092438...259		095120...345	
085877...206, 209, 213		088326...141		092635...217, 219		095185...285	
085878...206, 209, 213		088341...191		092652...21		095186...285	
086238...99, 101		088349...141		092665...141		095213...93	
086479...274, 275		088383...191		092727...62, 69, 70		095214...237	
086520...274		088428...96		092758...21		095215...237	
086667...109		088470...97		092793...114, 118		095216...237	
086747...183		088471...110, 114		092797...69		095224...140	
086752...182		088483...110, 113		092839...333		095257...307, 309	
086867...275		088559...283		092840...333		095265...310	
086890...55 thru 62		088561...123, 125, 127		092841...333		095267...310	
086951...69		088566...96, 93		092842...333		095268...310	
086953...69		088666...286, 288		092871...93		095269...310	
086954...69		088668...286, 288		092881...93		095280...272	
086980...55		088736...141		093005...291		095281...272	
086981...61		088928...207		093152...254		095399...91	
087023...69		088930...206		093195...299, 301		095421...98	
087024...69		088932...206		093248...228		095435...93	
087025...69		088963...241		093249...228		095441...71	
087030...55		088964...241		093250...228		095525...93	

NUMERICAL INDEX

Part No. Page

095535...89
095536...91
095548...345
095555...91
095659...343
095673...332
095675...332
095676...332
095725...197
095960...193

096019...241
096062...242
096064...56
096067...307, 309
096115...71
096138...118
096142...241, 242
096209...225
096210...225
096258...91

096761...149
096808...206
096809...205, 206
096815...59
096816...59
096821...139
096908...303
096913...303
096918...303
096922...205 thru 213

096939...291
096951...291
097026...109, 113, 117
097030...298, 301, 326
097046...296
097048...296
097063...303
097088...149
097282...275, 276
097332...258, 261

097534...71, 217, 219
097611...217, 219
097646...93
097705...97
097735...72
097784...165
098038...59
098108...155, 174
098121...273
098122...273

098123...273
098124...273
098166...125, 128
098324...123
098394...175, 220
098910...313
098923...201
098940...217, 219
098941...217, 219, 227
098955...201

098956...201
098957...201
098958...196
098960...187
098968...196
098996...197, 201
098997...197, 201
098998...197
099001...197
099002...197

099003...197
099005...216, 218
099021...199
099023...195
099026...195
099069...217, 219
099133...145

Part No. Page

099219...329
099510...247
099511...247
099515...248
099516...248
099521...245
099522...245
099524...247
099526...245
099527...247

099528...245
099529...245
099530...245
099531...248
099532...248
099533...247
099534...247
099535...248
099536...248
099537...245

099538...245
099546...145
099549...225
099570...191
099575...153, 155, 248
099578...248
099581...248
099582...248
099583...245
099593...288

099595...287
099856...251
099862...251
099863...251
099864...251
099865...247
099897...197
099898...201
099899...195, 201
099939...249

099941...173, 177, 249
099944...249
099945...249
099949...249
182763...296, 297
184376...321
200267...341
200479...110 thru 323
202283...341
203188...57 thru 298

208960...299 thru 327
211567...337, 342
211581...229
211582...229
211608...342
212758...322
223502...110, 113, 117
223585...151
235794...299, 301, 323
238136...109

240962...313, 315
600236...254, 279
603010...165
604406...221
604925...165, 167
604943...345
605808...329
606360...365
606660...364
607043...403

607044...403
607045...403
607046...403
607324...403
607414...289
607647...403
607905...403

Part No. Page

607909...403
607910...403
610138...245
614184...377
614478...253, 281, 291
617932...170
617952...71
619260...169
620066...97
620069...91

620072...173, 177
620075...97
620077...91
620080...91
620094...93
620099...93
620100...93
620111...96
620119...93
620127...288

620145...211
620147...210
620148...239
620149...239
620201...177
620238...214
620240...214
620242...214
620253...248
620275...335

620279...149
620313...209, 213
620323...301
620324...301
620332...106
620334...141
620338...335
620342...99
620348...173, 178
620393...91

620406...203
620420...315
620471...149, 153
620474...289
620515...332
620543...91
620544...91
620614...155
620712...223
620719...101

620730...178
620742...289
620752...221
620753...201
620778...183
620826...153
620850...287
620856...287
620857...178
620862...163, 165, 167

620877...178
620937...214
620939...214
620942...180
620945...180
620957...210
620961...210
620964...210, 214
620974...210, 213
620968...203

620975...203, 210, 214
620980...209, 213
620981...209, 213
620982...210, 214
621021...167
621039...173, 177
621055...167

Part No. Page

621171...339, 343
621177...185
621183...174, 178
621196...155
621198...155
621201...289
621205...153
621262...209, 213
621278...315
621282...219

621300...272
621304...56 thru 153
621310...227
621312...275
621315...179
621316...179
621330...192 thru 213
621331...203
621332...195
621333...195

621334...199, 201
621335...199, 201
621338...294
621342...294
621343...293
621357...292
621360...189, 191
621363...175 thru 249
621399...294
621400...294

621424...287
621439...331
621445...199, 201
621446...195
621450...239
621451...174
621453...251
621456...314
621462...153
621485...173, 177

621522...288
621539...238
621540...239
621582...153
621593...229
621601...229
621619...228
621620...228
621621...228
621678...192

621679...195
621686...259
621687...259
621695...259
621696...259
621697...259
621698...259
621722...253
621749...247
621775...72

621786...292
621812...269, 271
621828...247
621976...309
621979...101
621980...101
621984...309
621988...248
621989...247
621991...247

621995...303
622014...294
622036...229
622080...206, 209, 213
622083...175, 220
622135...233
622141...248

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
622161...309		623783...235		626382...406, 411		628227...161	
622173...249		623834...175, 220		626386...411		628228...161	
622258...283		623835...175, 220		626513...353		628229...161	
622432...101		623836...175, 220		626543...347, 348, 350		628230...161	
622433...117		623837...175, 220		626584...395		628231...161	
622520...173, 177		623838...175, 220		626621...395		628232...161	
622521...173, 177		623845...175, 220		626637...348 thru 399		628233...161	
622590...101		623862...186		626658...354		628342...157	
622612...267		623883...219		626667...371		628343...157	
622662...267		623884...218		626669...371		628344...157	
622663...265		623902...209, 213		626670...367, 371		628345...157	
622666...265		623903...209, 213		626671...367, 371		628346...157	
622667...265		623904...210, 214		626672...373		628348...157	
622669...269		623905...210, 214		626673...373		628350...157	
622685...101		624122...173, 177		626674...372		628351...157	
622729...296		624206...273		626675...372		628354...158	
622847...271		624487...282		626676...371		628355...158	
622848...257		624488...282, 291		626677...367 thru 412		628356...158	
622849...257		624497...275		626678...367, 371		628357...158	
622850...271		624528...180		626679...372		628358...158	
622851...271		624546...275		626680...372		628359...158	
622855...271		624562...223		626681...373		628361...158	
622884...99, 101		624565...273		626682...373		628362...158	
622889...99		624584...169, 211		626683...372		628363...158	
622890...101		624637...140		626684...373		628364...158	
622892...101		624652...157		626685...367, 371		628365...158	
622893...101		624669...152		626687...372		628366...158	
622894...101		624733...292		626688...368, 372		628367...157	
622895...101		624758...281		626689...372		628368...167	
622896...101		624826...217		626690...372		628468...179	
622897...101		624931...355		626691...368, 372		628478...158	
622898...101		624934...409		626692...368, 372		628479...158	
623073...292		624957...395		626697...372		628503...158	
623084...153		624972...379		626698...369, 373		628509...158	
623088...153		624973...353, 379		626701...371		628510...158	
623089...153		624974...379		626702...367, 371		628511...158	
623090...153		624975...379		626703...373		628512...27	
623164...211		624997...349, 351, 399		626704...367, 371		628515...158	
623188...217, 219		625037...357, 361		626705...368, 372		628516...158	
623234...174		625038...357, 361		626706...373		628518...157	
623241...292		625041...357, 361		626857...368		628519...157	
623263...283		625061...348 thru 399		626866...383, 395		628520...157	
623309...219		625077...369, 377		626956...7		628567...158	
623310...216, 218		625078...377		627145...381		628568...157	
623316...216, 218		625079...377		627172...381		628569...157	
623325...177		625080...379		627279...221		628570...157	
623328...173, 177		625081...377		627394...140		628571...155, 157	
623329...173, 177		625084...367, 371, 377		627451...211		628572...157	
623334...201		625085...367, 371, 377		627730...401		628736...88 thru 245	
623338...201		625086...367, 371, 377		627762...403		628737...88, 95	
623407...216		625087...371, 377		627763...403		628738...88, 93, 95	
623410...217		625088...377		627764...403		628748...211	
623411...192		625089...377		627765...403		628821...174	
623449...152		625090...377		627766...403		628823...192	
623452...152		625091...377		627767...403		628933...273	
623453...152		625092...377		627769...403		628934...273, 273A	
623456...151		625094...377		627770...403		628940...235	
623466...151		625095...379		627771...403		629040...193, 221, 342	
623488...238		625097...355		627772...406, 412		629041...193	
623514...380		625098...377		627773...407, 412		629048...234	
623524...282		625099...355		627779...407, 412		629064...143	
623525...282		625102...369, 377		627810...401		629065...143	
623545...315		625105...379		628125...167		629066...143	
623576...253		625106...379		628212...161		629067...143	
623599...219		625107...377		628213...161		629068...143	
623601...219		625108...377		628214...161		629069...143	
623605...217		625191...349, 351		628215...161		629141...27	
623608...215		625195...405		628217...161		629183...174, 178	
623609...217, 219		625202...7		628218...161		629188...325	
623618...185, 188		625221...406		628219...161		629189...325	
623625...217		625273...405		628220...161		629267...234	
623626...217		625524...365		628221...161		629270...234	
623642...219		625825...347		628222...161		629439...158	
623666...195		625826...347		628223...161		629481...153	
623667...195, 201		625827...347		628224...161		629533...157	
623668...197		625829...347		628225...161		629645...217	
623669...197		625897...376		628226...161		629646...217	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
629647...217		631352...345		638243...301		644004...8,177	
629725...155		631355...182		638282...297		644006...118	
629733...257, 261		631356...182		638283...301, 326		644011...7	
629967...294		631357...182		638341...263		644012...8, 248	
629968...149		631358...182		638489...293		644013...8, 247	
629972...149		631359...182		638621...151		644051...276	
629973...149		631564...101		638648...151		644062...276	
630023...183		631566...109, 113, 117		638649...151		644067...271	
630029...182		631617...265		638650...151		644068...271	
630030...174, 178		631639...329		638651...151		644100...234	
630033...173, 177		631665...272		638709...225		644112...263	
630040...169		631666...255		638767...157		644133...113, 117	
630045...223, 235		631668...261		638768...158		644179...263	
630046...174		631680...261		638777...157		644294...226	
630050...165		631687...261		638788...169		644297...151	
630052...235		631762...292		638791...143		644324...210	
630059...178		631769...101		638792...143		644419...226	
630061...185		631863...261		638796...271		644420...226	
630063...185		631864...261		638863...13		644529...71	
630079...321		631991...12		638881...13		644531...71	
630096...174, 177		631992...12		638907...13		644555...6	
630148...325		632072...170		638953...210, 214		644593...293	
630169...169		632074...173		639312...325, 327		644625...293	
630175...155		632082...165		639388...325, 327		644642...6	
630189...225		632147...101		639750...152		644648...303	
630190...225		632164...140		639751...152		644682...6	
630215...173		632389...293		639752...152		644697...6, 307, 309	
630216...173		632390...293		639952...170		644713...71, 178	
630241...173		632437...263		639954...169		644814...143	
630407...173		632438...263		639974...169		644815...140	
630437...170		632471...143		641356...205, 209, 213		645148...276	
630446...169		632488...263		641490...281		645230...6	
630484...170		632523...236		641715...325, 327		645232...6	
630485...211		632650...101		641716...325, 327		645234...7	
630486...211		632691...263		641809...309		645235...6, 71	
*630494...174		632719...165		642215...151		645241...7, 71	
630498...169		632765...211		642216...149		645242...8, 70	
630499...211		632769...263		642217...151		645243...6	
630508...165		632774...211		642218...149		645244...71	
630510...169		632787...263		642453...151		645255...71	
630521...169		633046...149		642640...228		645320...221	
630540...58		633047...170		642641...235		645441...276	
630544...219		633334...313		642642...228		645442...276	
630545...219		633459...173, 177		642643...233		645450...149	
630564...245		633519...72		642744...72		645451...151	
630574...245		633569...221		642749...72		645460...161	
630591...187		633627...293		642979...261		645465...153	
630594...205		633653...303		643040...205		645545...273	
630626...329		633826...101		643044...203		645612...265	
630687...292		634156...149		643045...203		645648...265	
630713...114, 118		634237...347		643046...203		645698...276	
630785...331		634244...141		643486...192		645699...276	
630787...109, 113, 117		634284...293		643487...197		645706...151	
630792...307, 309		634285...205, 209, 213		643770...253		645969...275	
630793...288		634330...293		643773...252		645970...274	
630803...151		634376...293		643837...261		645971...274	
630804...151		634378...141		643840...269, 271		645985...274	
630805...151		634503...93		643841...276		645986...274	
630806...151		634516...293		643842...276		646117...252	
630807...152		634677...313, 315		643856...234		646164...261	
630808...151		634823...11		643924...276		646256...203	
630809...151		634824...12		643932...178		646485...239	
630827...109, 113, 117		635081...210, 214		643959...267		646501...253	
630828...109, 113, 117		635082...210, 214		643963...276		646591...253	
630829...109		635351...387		643966...267		646825...152	
630830...109, 113, 117		635352...387		643967...276		647080...261	
630860...292		635353...387		643969...225		647139...323, 325	
630914...247		635354...387		643970...234		647250...275	
630917...329		635357...387		643973...276		647251...274	
631078...153		635547...309		643989...8, 173		647273...275	
631110...71		637735...261		643990...7		647321...195, 201	
631198...109, 113, 117		637763...271		643991...7		647908...203, 214	
631199...109, 113, 117		637764...271		643995...225		647915...6	
631224...109, 113, 117		637800...272		643996...377		647916...8, 309	
631225...109, 113, 117		637932...223		643999...248		647918...7	
631226...109, 113, 117		637957...58		644000...248		647922...278	
631293...292		638094...210, 214		644003...8, 177		647923...278	
*630493...169							

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
647924...8, 153		901651...49 thru 309		908191...21		911435...35, 83	
647925...8, 153		901652...49 thru 337		908944...375		911437...35, 83	
647930...8		901653...186 thru 206		909091...367, 371		911440...383	
647931...7		901666...15 thru 403		909365...391		912069...28 thru 51	
648262...314		901667...225		910002...35, 37, 203		912177...94	
648283...8, 70		901676...128		910011...158		912178...321	
648436...263		901677...69		910015...15		912192...335	
648438...263		901708...407, 412		910017...15		912226...109, 113, 117	
648439...263		901722...223, 233, 393		910023...337		912236...413	
648440...263		901723...69		910098...407, 412		912298...35, 37, 169	
648441...263		901752...311		910123...28 thru 389		912319...247	
648471...261		901763...145		910141...114		912324...65, 69	
648472...261		901764...69, 393		910161...110		912327...101, 217, 219	
648714...285		901765...61		910167...55 thru 62		912415...15 thru 135	
648751...127		901769...368		910171...393		912484...345	
648752...127		901781...111		910175...121		912597...43	
649103...263		901783...401		910195...17 thru 79		912726...131, 337	
649104...263		901825...223		910205...73		912739...295, 296, 297	
650220...263		901826...65, 393		910224...46		912769...401	
650221...263		901829...368, 406, 412		910230...119, 363, 365		912789...303	
650222...263		901831...407, 412		910231...157 thru 220		912808...182, 183, 273	
650229...72		901839...55, 393		910243...151, 305, 307		912839...129	
650299...329		901840...393		910244...97 thru 406		912840...13, 46	
650399...158		901843...407, 412		910251...305, 307		912908...381	
650695...210		901844...372		910255...211 thru 401		913039...35, 37	
650696...197		902559...393		910268...110		913040...35	
650697...210		903625...283		910302...211		913093...393	
650698...210		903628...301, 303		910320...343		913097...387	
650741...214		903632...318		910323...128A, 320		913105...354 thru 411	
650742...214		903641...41		910324...43, 47, 64		913168...46	
650743...214		903747...249		910325...66, 103, 121, 128A		913177...369 thru 401	
650744...214		903772...143		910334...307, 309		913189...110	
650745...201		903773...77, 143		910335...128A, 299, 311		913232...251	
651141...157		903774...47		910510...119		913249...354 thru 411	
651370...275, 276		903775...71		910543...223		913280...13	
651494...276		904001...299, 311		910847...17, 138		913299...43	
651580...214		904007...342		910851...337		913432...125, 127	
651725...214		904015...347, 361		910856...110, 114		913464...107	
651745...223		904020...87 thru 373		910863...237		913470...119	
651894...101		904203...107, 372		910867...237		913528...338, 342	
654507...11		904204...25 thru 324		910874...328		913676...55 thru 110	
654652...324		904205...38 thru 376		910899...43		913830...147, 237	
654821...237		904206...20 thru 412		910910...368, 372		913984...151	
654825...237		904207...32 thru 412		910916...279 thru 387		914108...367, 371, 377	
654827...237		904208...13 thru 411		910923...382, 385, 386		914172...372	
654986...325		904209...119 thru 386		910948...133		914328...158	
654987...325		904210...387		910967...94 thru 343		914330...289	
654988...325		904223...49, 131, 225		910986...28 thru 316		914372...413	
654989...325		904224...225		911017...35		914378...71	
654990...325		904260...131		911024...59 thru 324		914392...38 thru 320	
654991...325		904270...393		911025...14 thru 317		914453...251	
900558...305, 307		904271...61		911026...298, 326		914465...119 thru 399	
900576...59		904369...121 thru 386		911028...291, 303		914466...158	
900764...333		904516...17		911034...89		914488...347	
900801...33, 97, 245		905121...87 thru 170		911035...93, 343		914492...131	
900802...43 thru 291		905122...43		911040...87 thru 328		914503...251	
900805...163 thru 245		905126...34, 36		911041...55 thru 405		914588...63, 83, 85	
900806...13 thru 401		905127...22		911043...139 thru 401		914593...151	
900807...46, 119, 237		905274...301		911044...239 thru 386		914626...83	
900810...351 thru 399		905347...252, 259		911045...139, 363, 364		914670...79, 128A, 318	
900816...281, 283		905357...111 thru 271		911046...139		914686...63, 67	
900817...43 thru 379		905358...369, 373		911047...281, 387		914687...180, 181	
900818...291 thru 326		905361...342		911048...94 thru 413		914715...345	
900826...391		905362...205, 206		911049...59 thru 351		914767...345	
900938...161		905666...239		911051...178 thru 393		914773...43, 47	
900942...87 thru 377		906652...239		911053...338		914847...132, 133, 134	
900970...88 thru 97		906957...305, 307		911058...338, 357, 409		914875...354, 369	
901150...87, 89		906960...298, 299		911064...123, 125, 127		914879...169	
901165...151, 319, 320		906961...251, 315		911097...237		914892...87, 89	
901226...151		906985...28		911100...223, 241		914906...369, 373	
901310...107		907058...223		911114...97, 328		915017...367	
901345...357, 409		907059...110 thru 345		911115...62 thru 405		915274...123 thru 138	
901468...101		907070...225, 257, 261		911159...127, 178		915275...121, 273, 331	
901475...145		907154...109, 113, 117		911174...123, 125, 127		915276...119 thru 409	
901479...69		907620...169		911190...337		915343...25, 121	
901520...389		907856...177, 247, 373		911233...206 thru 214		915367...55 thru 305	
901530...401, 407, 412		907859...157, 251, 391		911317...393		915368...55 thru 305	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
915369...55 thru 113		916413...349		919093...107		920490...247	
915377...61, 69		916420...355, 406		919094...107		920525...132, 134	
915378...61, 69		916423...355		919099...107		920539...38, 155	
915379...61, 69		916427...367, 371, 375		919100...107		920548...83	
915386...55, 69		916428...355		919115...33		920601...367, 371, 377	
915399...117, 357, 359		916641...65		919127...56		920606...367, 371, 375	
915405...128		916780...281		919128...62 thru 248		920662...407, 412	
915408...29 thru 361		916897...203 thru 214		919134...15 thru 101		920686...357 thru 411	
915432...64, 111		916933...89, 94		919135...153		920692...411	
915486...107		916995...203 thru 213		919140...307, 309		920714...393	
						920722...128B	
915488...61, 107		917015...49		919143...6, 7, 8		920794...7, 8	
915500...205, 213		917016...131		919155...6, 7, 8		920795...7	
915504...279		917021...25		919156...6, 8		920833...6, 8	
915556...107		917032...75		919171...73 thru 309		920836...7, 8	
915557...107		917135...47		919172...56, 67		920838...6,	
915563...381		917258...353		919173...33		920843...7	
915639...237		917260...105, 106		919174...101, 309		920847...6, 8	
915707...87, 89		917264...217, 219, 227		919175...8		920849...6, 7, 8	
915739...149		917277...131		919180...151, 161		920850...6, 8	
915809...69 thru 320		917330...21, 216, 218		919194...6, 7, 8		920851...7	
915813...47 thru 319		917426...215		919196...6, 7, 8		920852...8	
915852...73		917466...43, 151		919200...6, 8		920857...6, 7, 8	
915854...73		917468...343		919205...217, 219		920858...6, 8	
915859...110, 113		917546...46		919207...7		920862...6, 7, 8	
915872...295		917554...46		919224...38 thru 135		920864...6, 8	
915898...303		917560...31		919225...21, 45		920865...6, 8	
915906...406, 411		917648...343		919227...40 thru 316		920867...8	
915922...109, 113, 117		917666...335, 376, 401		919230...17 thru 365		920868...7	
915923...109, 113, 117		917673...22 thru 46		919232...20, 209, 213		920869...8	
915942...311, 313		917680...138		919242...33		920877...7	
915946...123, 125, 127		917724...17		919246...173, 174, 177		920882...7	
915969...20 thru 127		917733...403		919249...75		920927...7	
915985...357, 361		917735...161		919251...8		920928...7	
915987...27		917741...50, 51		919253...7		920933...7, 8	
915989...205 thru 245		917755...121		919274...8		920934...7	
916001...46, 93		917777...395		919277...8		920935...7	
916009...21		917778...347, 415		919278...7		920944...7, 8	
916021...348, 350		917803...305, 307, 309		919281...7, 8		920945...7	
916028...354, 388		917806...83, 85		919282...7, 8		920969...7	
916146...207 thru 289		917809...83, 85		919287...20, 21		920970...7	
916169...364		917883...325		919288...63, 67, 109		920972...7, 8	
916191...32		917904...231		919342...177, 405		920973...7	
916197...141 thru 412		917970...15, 20		919345...75		920978...7, 8	
916202...88 thru 282		917980...73		919467...7		920994...249	
916206...138		918111...93		919469...7		921019...157	
916225...121, 355		918113...158		919474...7		921020...8	
916227...237		918210...305, 329		919481...85		921033...7, 8	
916257...153		918253...49, 50		919615...173 thru 218		921034...7, 8	
916268...325, 327		918281...385, 386		919624...218		921046...7	
916269...21, 65		918325...55 thru 305		919625...353		921092...292	
916271...39 thru 401		918327...50, 51		919763...93		921093...292	
916272...121		918370...282		919773...75		921094...292	
916273...28 thru 45		918530...347, 361		919777...157		921113...305, 307, 309	
916274...20 thru 138		918564...61, 69		919787...38		921117...353, 406, 412	
916275...132, 133, 134		918598...65		919797...85		921118...353, 406, 411	
916277...21 thru 376		918683...17, 320		919798...83		921138...376, 401	
916284...25, 46		918778...40, 41, 131		919800...83, 85		921143...83	
916308...43		918802...83		919840...22 thru 103		921194...247	
916310...347		918804...83		920030...41		921200...381	
916311...17 thru 363		918850...375		920107...227		921206...227	
916313...41, 355							
916314...123		918851...15, 27		920131...128A, 138		921272...376, 401	
916319...20		918887...66		920141...8		921276...217, 219	
916330...363, 364		918888...15		920144...7		921277...309	
916332...363		918951...53		920173...8		921279...217, 219	
916333...363, 364		919040...83, 85		920195...8		921298...217, 219	
916335...381		919062...67, 71		920215...75		921299...20	
916381...75 thru 405		919063...62 thru 248		920221...7, 8		921304...7	
916382...73		919064...153, 247		920222...7, 8		921454...381	
916383...379, 411		919068...309		920242...85		921464...157	
916385...355		919073...7, 8		920275...131		921465...157	
916386...405		919074...6		920301...6, 8		921469...158	
916387...355		919075...6, 7, 8		920302...6, 7, 8		921496...8	
916388...355		919076...6, 8		920303...6, 8		921556...145	
916389...379		919079...6, 7, 8		920333...15 thru 134		921726...7	
916395...353		919080...6, 8		920340...31		921786...7, 8	
916411...386		919081...6, 8		920344...8		921787...7, 8	
916412...349		919082...6, 8		920416...15		921852...71	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
921911...128B, 369		3002766...372		3009450...406, 411		3011051...348	
921912...241, 303		3002767...372		3009451...406, 411		3011052...348	
921913...141 thru 412		3002768...372		3009453...405		3011098...385	
921914...141		3002978...391		3009475...384		3011114...389	
921916...99 thru 335		3003160...409		3009476...384		3011219...7	
921991...379		3003911...375		3009643...380		3011236...406, 411	
922041...263		3003912...413		3009651...381		3011243...354	
922174...413		3003914...413		3009652...381		3011248...359, 405	
922318...361, 405		3003915...413		3009826...381		3011258...7	
922501...406, 411		3003916...413		3009827...381		3011335...369	
922741...411		3004141...388		3009828...380		3011346...361	
922742...406, 412		3004546...409		3009835...349, 351		3011349...368, 372	
922830...8		3004549...357, 361		3009838...355		3011356...369	
922831...7		3004629...405, 411		3009850...349, 351		3011370...391	
922833...7		3004664...347		3009851...355		3011376...363	
922834...7, 8		3004706...375		3009929...7		3011379...363	
922943...81		3004707...375		3009952...347		3011506...369	
922982...292		3004708...375		3009969...355		3011534...353	
922983...292		3004709...375		3009989...355		3011625...351	
922984...292		3004711...375		3009997...355, 405		3011715...389	
922985...292		3004720...375		3010100...382		3011755...369	
923239...25		3004725...347		3010101...382		3011789...368, 369, 372	
923376...27		3004785...349, 351, 397		3010103...382		3011845...354	
923558...369, 373		3004878...357, 361		3010272...381		3011877...362	
923560...115, 210, 214		3004999...349, 351		3010360...391		3011878...363, 365	
923565...367, 371		3005005...353		3010417...353		3011879...363, 365	
923574...133		3005716...386		3010481...368		3011880...363	
923575...375 thru 411		3005895...406, 411		3010482...368		3011881...363	
923577...251 thru 391		3005955...376, 401		3010529...391		3011883...363	
923578...353 thru 411		3005957...376, 401		3010539...391		3011884...362, 364	
923585...265 thru 365		3006073...349, 351		3010540...391		3011885...363	
923589...121		3006088...380		3010555...391		3011886...363	
923592...415		3006124...349		3010586...391		3011904...362	
923593...409		3006370...349, 351		3010597...367		3011905...359, 363, 364	
923649...369, 377, 413		3006385...381		3010603...362, 369, 373		3011906...363	
923663...75		3006416...363, 364		3010609...369		3011908...362	
923664...353 thru 412		3006440...348, 350		3010623...367		3011909...363	
923813...362, 365		3006485...354		3010638...391		3011910...362, 365	
923814...33 thru 371		3006486...354		3010645...391		3011911...362	
923826...391		3006488...357		3010655...368, 372		3011923...368	
923827...233, 272		3006491...357		3010691...368, 372		3011928...368	
923829...233, 403		3006501...357		3010704...367		*3011976...383	
923836...367, 372		3006502...357		3010706...391		3011998...383, 395	
924166...391		3006744...368		3010707...388		3011999...383	
924306...293		3006745...368		3010710...391		3012001...383, 395	
924320...293		3006890...348, 350		3010712...391		3012166...389	
924463...293		3006926...380		3010713...391		3012298...361	
924541...293		3007227...375		3010717...381		3012299...361	
3001066...348 thru 415		3007228...375		3010837...369		3012368...347	
3001085...357 thru 415		3007239...369, 373		3010848...376		3012369...347	
3001090...357, 359, 361		3007316...363		3010849...376		3012372...347	
3001119...357, 359, 361		3007380...363 thru 372		3010851...376		3012376...347	
3001130...361		3007405...369, 373		3010852...376		3012399...7	
3001171...376, 401		3007809...357, 361		3010853...375		3012402...354	
3001245...381		3007818...401		3010854...375		3012403...354	
3001248...357		3007904...409, 415		3010855...375, 376		3012406...354	
3001300...409		3007991...357		3010856...375		3012407...354	
3001437...405		3007992...357		3010857...375		3012408...354	
3001476...409		3007995...361		3010862...375		3012411...353	
3001478...409		3007996...361		3010863...375		3012444...355	
3001482...409		3008139...359		3010864...375		3012461...369, 373	
3001532...357 thru 415		3008146...359		3010865...375		3012554...391	
3001534...357 thru 415		3008147...359		3010866...375		3012564...363	
3001538...357 thru 415		3008421...393		3010867...375		3012605...362	
3001545...357, 361		3008694...409		3010871...369, 373		3012681...362, 365	
3001559...347		3008880...393		3010878...369		3012944...367, 372	
3001618...347		3009094...347		3010921...367		3013079...369	
3001621...347		3009124...349		3010941...368		3013122...367, 372	
3001622...349 thru 399		3009125...349		3010972...388		3013193...357, 361	
3001716...375		3009126...349		3010979...389		3013376...415	
3001737...413		3009127...347, 349		3011020...363, 365		3013377...415	
3001833...407, 412		3009149...385, 386		3011021...363, 365		3013388...415	
3001850...357, 361		3009235...385		3011022...363, 365		3013390...415	
3002073...359		3009289...386		3011023...363, 365		3013391...415	
3002184...405, 411		3009293...386		3011024...363, 365		3013392...415	
3002629...383, 395		3009294...386		3011027...363		3013568...351, 397, 399	
3002757...413		3009299...386		3011047...363, 365		3013593...351	

*3011930...368

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
3013864...	407, 412	3017561...	409	3022901...	381	4044210...	138
3013909...	376, 401	3017726...	350	3023347...	362, 365	4044211...	138
3014050...	405, 411	3017727...	351	3023544...	359	4044212...	138
3014395...	368	3017730...	351	3023571...	347	4047538...	76
3014986...	381	3017731...	348	3023743...	347	4047783...	175 thru 249
3015071...	403	3017796...	405	3023744...	347	4047993...	179
3015072...	403	3017817...	350	3023794...	397	4047994...	179
3015609...	391	3017818...	350	3023815...	365	4048000...	175 thru 249
3015613...	388	3017819...	354	3023817...	365	4048001...	179
3015614...	389	3017842...	351	3023852...	364	4048002...	179
3015843...	349, 361	3017843...	351	3023853...	364	4048793...	215
3015946...	381	3017871...	401	3023856...	365	4048794...	215
3015947...	381	3017872...	401	3023858...	365	4049282...	80
3016028...	348, 350	3017873...	406, 411	3023860...	363, 365	4049469...	215
3016029...	347	3017874...	401	3023864...	365	4049470...	215
3016070...	373, 379	3017875...	407, 412	3023865...	365	4049471...	215
3016182...	363	3017876...	407, 412	3023867...	365	4049472...	215
3016189...	409	3017877...	405	3023868...	365	4050516...	80
3016235...	411	3017884...	406, 412	3023869...	365	4050519...	80
3016252...	347	3017890...	389	3023870...	365	4050520...	80
3016253...	363	3017943...	395	3023871...	365	4050523...	80
3016272...	409	3017979...	347	3023872...	364	4050685...	85
3016277...	368 thru 412	3018011...	415	3023925...	413	4051304...	85
3016278...	368, 372	3018012...	411	3024417...	364	4051483...	63, 64, 67
3016294...	388	3019006...	395	3024418...	364	4051484...	63, 64, 67
3016304...	405	3019124...	405	3024426...	364	4051485...	63, 67
3016310...	36	3019140...	405	3026238...	361	4051839...	80
3016311...	369	3019141...	405	3026795...	379	4052173...	65, 67
3016312...	368	3019142...	405	3030010...	399	4052174...	65, 67
3016313...	369	3019144...	405	3030020...	397	4052555...	79
3016314...	368	3019231...	372	3030029...	399	4052556...	79
3016315...	368	3019284...	371	3030035...	399	4052714...	80
3016316...	368	3019303...	372	3030046...	397	4052715...	80
3016317...	368	3019313...	353	3030050...	397	4053156...	79
3016330...	368	3019314...	354	3030067...	397, 399	4055563...	63, 67
3016335...	369	3019315...	354	3030068...	397	4055913...	65, 67
3016341...	368	3019316...	354	3030069...	397	4056068...	123
3016347...	373, 379	3019317...	371	3030070...	399	4056232...	123, 125
3016394...	373, 379	3019342...	371	3030072...	397	4056633...	65, 67
3016405...	409, 415	3019351...	395	3030076...	411	4058931...	320
3016457...	361	3019445...	406	3030077...	411	4113897...	17
3016458...	361	3019458...	406	3030078...	411	4250898...	23
3016462...	351	3019531...	395	3030079...	411	4251141...	43
3016467...	353	3019541...	401	3030080...	411	4251849...	138
3016469...	355, 407, 412	3019542...	401	3030081...	411	4251987...	16
3016481...	353	3019598...	368 thru 412	3030086...	411	4252137...	119
3016489...	353	3019640...	349, 351	3033933...	363, 364	4252796...	132, 134
3016601...	409, 415	3019643...	351	3035240...	415	4252855...	131
3016607...	368	3019675...	415	3038306...	373	4253106...	17 thru 52
3016728...	353	3019683...	367 thru 412	3041922...	403	4253195...	49, 53
3016729...	354	3019696...	369	4003490...	22	4253270...	103
3016730...	354	3019828...	359	4003603...	123	4253453...	29, 32
3016731...	354	3019833...	359	4004054...	20	4253478...	137
3016732...	7	3019835...	359	4025385...	79	4253479...	137
3016733...	353	3019839...	359	4025391...	34, 36	4253490...	20
3016734...	354	3019847...	359	4034282...	27	4253520...	16
3016735...	354	3019849...	354	4034292...	50	4253555...	121
3016806...	354	3019850...	354	4040013...	63, 65, 67	4253751...	53
3016807...	354	3019859...	359	4040096...	76	4253765...	119
3016846...	376	3019861...	359	4040098...	77	4253766...	49
3016848...	376	3019862...	359	4040099...	77	4253825...	121
3016852...	376	3019866...	359	4040383...	123, 125, 127	4253862...	119 thru 125
3016858...	367	3019867...	359	4040384...	123, 125, 127	4253863...	123, 125, 127
3016876...	355	3019891...	359	4040385...	123, 125, 127	4253914...	137
3016877...	355	3019897...	359	4040386...	123, 125, 127	4253917...	137
3016878...	355	3019898...	359	4040552...	76	4253922...	40, 41
3016881...	354	3019937...	359	4040718...	83	4253924...	20
3016882...	355	3019977...	368 thru 412	4041015...	85	4254097...	61, 63
3016889...	355	3020506...	368, 372	4041097...	137	4254100...	121
3017086...	376, 401	3020521...	368, 372	4041103...	49, 53	4254173...	29, 32
3017249...	409, 415	3020677...	397	4041134...	137	4254182...	25
3017307...	355	3020853...	381	4041209...	215	4254363...	35, 37
3017333...	409	3020996...	351	4042081...	123, 125, 127	4254608...	18
3017334...	405	3021362...	359	4044205...	138	4254624...	17
3017351...	372	3021852...	372	4044206...	137	4254670...	121
3017499...	415	3021950...	361	4044207...	138	4254673...	121
3017556...	359	3022402...	365	4044209...	138	4254891...	21

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4255012...131, 135		4335712...21		4336577...10		4337723...36	
4255017...85		4335713...83		4336578...19		4337727...319	
4255020...85		4335716...75		4336586...31		4337728...127	
4255031...121		4335777...17		4336587...121		4337729...127	
4255337...25		4335782...17		4336589...66		4337735...23	
4255343...25		4335808...138		4336596...40, 41		4337736...23	
4255363...41		4335809...138		4336601...31		4337737...23	
4255465...19		4335833...9		4336602...31		4337738...23	
4335476...121		4335897...67		4336609...25		4337739...23	
4300145...141		4335898...67		4336621...25		4337757...121	
4304051...35		4335931...75		4336634...25		4337764...16	
4304907...25		4335932...83		4336646...37		4337805...78	
4304980...47		4335935...67		4336676...25, 27		4337806...78	
4305073...17, 49		4335937...22		4336687...85		4337807...79	
4310257...141		4336127...31		4336758...31		4337808...79	
4311869...43		4336128...31		4336771...27		4337809...79	
4317530...320		4336129...31		4336809...318		4337810...79	
4317554...135		4336130...31		4336872...39		4337830...75	
4320227...47		4336131...31		4336897...27		4337901...25	
4335000...43		4336142...37		4337015...85		4337971...17	
4335004...43		4336143...37		4337019...85		4337972...17	
4335022...16		4336145...37		4337022...85		4337973...10	
4335043...35		4336146...32		4337023...85		4337975...11	
4335048...45		4336148...32		4337045...36		4338143...35, 37	
4335050...47		4336153...31		4337046...123		4338151...15	
4335056...138		4336156...132, 134		4337047...45		4338161...33	
4335057...35		4336157...31		4337059...45		4338168...33	
4335067...21		4336173...320		4337060...22		4338186...41	
4335096...47		4336178...32		4337062...23		4338210...320	
4335110...45, 47		4336182...132, 134		4337063...23		4338212...320	
4335146...83		4336190...18		4337064...23		4338219...25	
4335152...47		4336202...103		4337065...23		4338242...135	
4335153...43		4336209...78		4337066...23		4338243...134	
4335164...83		4336234...37		4337189...121		4338269...320	
4335167...43		4336249...79		4337215...28		4338280...320	
4335168...43		4336250...79		4337223...85		4338299...34, 37	
4335181...73		4336251...25		4337224...73, 75		4338306...75	
4335182...319		4336257...121		4337228...20		4338308...75	
4335235...65		4336258...121		4337251...67		4338310...32	
4335244...131		4336259...121		4337281...20		4338428...78	
4335264...45		4336260...133		4337395...19		4338429...78	
4335279...28		4336261...133		4337416...121		4338430...79	
4335320...137		4336263...133, 135		4337466...38		4338431...79	
4335323...51		4336264...133		4337468...12 D		4338432...79	
4335331...51		4336266...141		4337478...37		4338433...79	
4335334...51		4336267...133		4337479...37		4338440...25	
4335338...51, 52		4336268...133		4337482...12 D		4338463...85	
4335339...53		4336339...75		4337521...41		4338498...25	
4335352...53		4336345...21		4337522...41		4338499...25	
4335369...17		4336346...21		4337523...41		4338507...20	
4335371...21		4336408...18		4337524...41		4338511...103	
4335381...35		4336418...31		4337532...52		4338544...25	
4335382...47		4336419...31		4337602...131, 135		4338648...17	
4335384...47		4336432...15		4337683...23		4338650...11	
4335399...35		4336436...17		4337684...23		4338662...137	
4335443...121		4336489...27		4337685...23		4338663...138	
4335444...75		4336491...21		4337686...23		4338674...16	
4335446...317, 319		4336506...132, 134		4337687...23		4338771...25	
4335452...123		4336512...19		4337688...23		4339017...19	
4335453...16		4336518...12 D		4337689...23		4339036...16	
4335455...16		4336520...127		4337690...23		4339037...15	
4335456...16		4336521...127		4337698...23		4339038...16	
4335534...17		4336522...127		4337699...23		4339103...137	
4335547...34, 37		4336523...128		4337700...23		4339207...79	
4335548...34, 37		4336524...21		4337701...18, 19		4339459...123	
4335550...21		4336526...128		4337702...18, 19		4339464...123	
4335557...73		4336527...138		4337703...18, 19		4339497...31	
4335567...52		4336529...127		4337704...18, 19		4339498...31	
4335573...28, 76		4336530...79		4337705...18, 19		4339499...31	
4335577...52		4336531...79		4337710...23		4339505...31	
4335578...52		4336532...79		4337711...23		4339515...103	
4335583...33		4336546...85		4337712...23		4339546...31	
4335654...33		4336547...85		4337713...23		4339547...31	
4335655...33		4336549...85		4337714...23		4339548...31	
4335666...53		4336559...19		4337715...23		4339603...25	
4335694...33		4336566...78		4337716...23		4339604...17	
4335711...21		4336574...50		4337718...22		4339624...31	

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4339625...31		4347577...43		4348330...138		4354188...18	
4339750...33		4347578...43		4348352...45		4354270...135	
4339848...27, 31		4347596...77		4348393...138		4354291...9	
4340081...18		4347597...77		4348410...25		4354294...27, 31	
4341123...28		4347598...77		4348419...119		4354295...27, 31	
4341292...25		4347599...77		4348420...119		4354309...9	
4343799...28, 31		4347600...77		4348421...119		4354407...32	
4345412...28		4347601...77		4348423...123		4354416...63, 67	
4345658...28		4347619...28, 32		4348438...73		4354449...16	
4346017...35		4347649...77		4348440...35, 37		4354490...28, 32	
4346018...35		4347654...49		4348442...119		4354537...135	
4346092...28		4347655...49		4348474...73		4354568...46	
4346093...28		4347659...46		4348502...123, 125, 127		4354573...46	
4346099...15		4347661...49		4348580...49		4354582...320	
4346100...15		4347663...50		4348609...318		4354748...18, 19	
4346108...15		4347751...121		4348619...318		4362338...16	
4346125...43		4347752...121		4348682...45		4362458...45	
4346138...103		4347786...63		4348683...45		4363280...131	
4346146...28		4347790...63, 64		4348684...45		4364131...28	
4346169...47		4347815...22		4348689...47		4364422...35, 37	
4346184...17		4347832...35, 37		4348691...43, 46		4364864...21	
4346191...15		4347834...75		4348692...45		4365867...45	
4346205...22		4347836...73		4348705...83		4366244...105, 106	
4346206...34, 36		4347842...119		4348757...137		4366461...16	
4346208...103, 105, 106		4347872...141		4348769...46		4371021...49, 53	
4346209...35		4347893...43		4348825...138		4371036...49, 53	
4346227...76		4347897...23		4348829...15		4371040...49	
4346246...20		4347905...61, 63		4348856...17		4371107...103	
4346293...137		4347907...65		4348857...17		4371121...76	
4346296...137		4347915...83		4348858...17		4371323...29, 32	
4346307...34, 36		4347923...29		4348859...17		4371324...29, 32	
4346320...311, 313		4347924...29, 32		4348883...46		4371443...49, 53	
4346322...15		4347932...131		4348885...46		4371503...23	
4346327...43		4347938...47		4348886...45		4371703...123, 125	
4346330...131		4347940...131		4348891...46		4371707...123 thru 137	
4346332...131		4347982...316		4348894...46		4371795...215	
4346441...45, 47		4347998...316		4348900...17		4371973...215	
4346456...141		4348020...46		4349011...21, 121		4371974...215	
4346483...47		4348038...46		4349014...121		4372113...77	
4346543...28		4348040...46		4349037...39		4372325...49, 53	
4346653...16		4348042...46		4349133...49		4372517...215	
4346656...141		4348044...46		4349146...64		4372724...27	
4346704...75		4348077...18		4349147...64		4372725...27	
4346744...138		4348079...27		4349157...35, 37		4372864...28, 32	
4346951...137		4348083...46		4349257...34, 36		4373069...39	
4346952...137		4348086...49		4349291...35		4373121...316	
4346953...137		4348087...49		4349296...131		4373610...53	
4346992...35		4348090...27		4349305...28, 32		4373612...53	
4347031...131, 133, 135		4348097...131		4349309...35		4373613...53	
4347061...17		4348099...40		4349375...47		4373614...53	
4347115...137		4348100...40		4349376...83		4373770...39	
4347119...21		4348107...20		4349378...46		4374127...47	
4347120...21		4348118...119		4349382...45		4374129...45, 47	
4347126...16		4348121...119		4349383...47		4374148...316	
4347190...49		4348122...119		4349629...16		4374390...22	
4347235...18, 19		4348126...21		4349630...15		4374391...22	
4347270...28		4348129...35, 37		4349631...16		4374735...49, 53	
4347281...18		4348130...35, 37		4349632...15		4375678...131	
4347413...15		4348133...29, 32		4349644...83		4375686...137	
4347416...15		4348136...21		4349660...121		4375812...43	
4347419...15		4348145...316		4349662...121		4375937...28, 32	
4347431...137		4348163...317		4349666...121		4375938...28	
4347435...27		4348184...40, 41		4349667...121		4376294...47	
4347458...18, 19		4348185...40, 41		4349668...125		4376497...31	
4347462...35		4348205...119		4349669...125		4376598...33	
4347465...17		4348215...47		4349670...125		4376605...21, 216, 218	
4347505...27		4348218...47		4349671...125		4376749...25, 32	
4347508...34		4348253...25		4349674...121		4376906...75	
4347509...131		4348268...49, 53		4349675...138		4378031...80, 81	
4347511...34, 37		4348269...49, 53		4349676...318, 320		4378032...81	
4347514...28		4348270...49, 53		4349728...319		4378033...81	
4347537...131		4348276...316		4349736...121		4378269...133	
4347543...39		4348278...131		4349778...121		4379141...17	
4347544...38		4348279...50, 51		4349953...138		4379291...16	
4347554...49		4348285...21		4349984...40		4379305...37	
4347572...47		4348303...46		4354175...15		4379916...133	
4347575...45		4348310...21		4354179...18, 19		4380445...76	
				4354181...19			

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4380651...	81	4389910...	15	4509035...	43, 45, 47	4660408...	43
4380652...	81	4500230...	17	4511204...	76	4660409...	43
4380654...	78	4500270...	45, 47	4511213...	81	4660410...	43
4380656...	81	4500300...	25, 27	4511217...	76	4660412...	43
4380662...	81	4501149...	77, 79	4511243...	81	4661328...	35
4380685...	80	4504056...	65	4511629...	174, 178	4661329...	35
4385480...	37	4504409...	77, 79	4512372...	131	4875601...	46
4387529...	314	4506165...	215	4513922...	318	5150020...	109
4388202...	28, 32	4506607...	39	4515304...	85	5153385...	109
4388205...	28, 32	4506737...	40, 41	4640976...	123, 125, 127	5154066...	109
4389051...	66	4506946...	35, 37	4640978...	123, 125, 127	5154125...	109
4389058...	17	4507084...	137	4660358...	17	5158071...	110
4389113...	67	4507091...	137	4660369...	35, 37	5183129...	109
4389732...	47	4507359...	77, 79	4660407...	43		

LATE ADDITIONS

080943...	203	4027280...	25	4058830...	128B
628915...	273A	4027282...	25	4058831...	128B
659058...	273A	4027439...	25	4059367...	128B
665043...	273A	4054566...	128B	4255286...	128B
665044...	273A	4054568...	128A	4255772...	128B
666367...	273A	4054569...	128A	4357825...	128A
666407...	273A	4055031...	128A	4359168...	25, 27
666620...	273A	4055032...	128B	4387474...	128A
666621...	273A	4055033...	128B		
666622...	273A	4055034...	128B		

