



PARTS CATALOG

H-4 & HD-4 CRAWLER TRACTORS

FOREWORD

The parts in this catalog are listed in alphabetical order and are located at the front of this catalog.

Except for some common hardware all parts are identified with an item number. Common hardware not identified such as bolts, nuts, cotter pins and lubrication fittings, are listed in the text under the part which they attach or fit into. Note particularly that the quantity of hardware listed is always the quantity required for one part.

Common attaching hardware listed under a part is not included in the assembly or included with the part unless specified. Example: (Incl. Bolt, Lockwasher and Nut).

"Assembly or Packaged Parts" indicates if an individual part is one of many in a large assembly or one of several kinds in a package.

All numbers are listed in the second last section of this catalog showing the quantity and description of the various parts that make up the assembly or package.

The last section of this catalog contains a part number index to indicate on which page or pages a part number appears.

All illustrations will be found to **Follow** the text of each group or section of which it is a part.

For any additional copies of this catalog there will be a supplementing service charge of three dollars. Refer any requests to your Branch House or office under which you operate.

HOW TO ORDER PARTS

Order all parts for this machine from your local ALLIS-CHALMERS Dealer.

When ordering parts for this unit, supply the following information:

1. The tractor and engine serial numbers.
2. Fork Lift serial number. The Fork Lift serial number is located on the R.H. side of frame over final drive housing near brake pedals.

The Mast Serial number is located on inside of the bottom channel iron of mast assembly.

3. State the common name of the part you wish to order, or a description of the part and its location on the unit, or bring in old part.
4. Always print your name and post office address, where parts are to be shipped; also specify whether material is to be shipped by freight, express or parcel post.
5. When ordering parts always determine right hand and left hand from a position in the operators seat facing the direction of forward travel.

IMPORTANT

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 Manufacturing Company.

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

INDEX

ADAPTOR PLATE	
Diesel	24
Gasoline	24
AIR CLEANER	
Diesel	62
Gasoline	62
AIR CLEANER HOSES	
Diesel	62
Gasoline	66
AIR FILTER INDICATOR	64
AIR HEATER, diesel	62
ASSEMBLIES & PACKAGE PARTS	190 thru 194
AXLE, final drive	120
BATTERY GROUP	
Diesel	70
Gasoline	70
BRAKE BAND & ARM	130
BRAKE LINKAGE	128
BRAKE PEDALS & LINKAGE	126
CARBURETOR, gasoline	56
CARBURETOR COMPONENTS, gasoline	58
CLUTCH SHIFTER	128
CONNECTING ROD	
Diesel	12
Gasoline	12
CONSOLE SHELL & SHUTTLE CLUTCH CONTROL	92, 93
CONTROL VALVES	162, 163
End Sections	164
Main Relief	164
Section, valve (A).	166
Section, valve (D).	166
Section, valve (E).	168
Section, valve (F).	170
Section, valve (J).	172
CRANKSHAFT	
Diesel	10
Gasoline	10
CYLINDER BLOCK	
Diesel	6, 8
Gasoline	6, 8
CYLINDER HEAD	
Diesel	20
Gasoline	18
DECELERATOR	96
DISTRIBUTOR, gasoline	44
DIVERTER	
Hydraulic Group, I64 & I600 Backhoe	174
Valve, I64 & I600 Backhoe	174
DRAWBAR	176
DRIVE SHAFT & RING GEAR	118
ETHER STARTING SYSTEM, diesel	64

EXHAUST MANIFOLD	
Diesel	24
Gasoline	22
FAN DRIVE SHAFT	30
FINAL DRIVE HOUSING	116
FLYWHEEL	
Diesel	24
Gasoline	24
FRONT PLATE	
Diesel	28
Gasoline	26
FUEL FILTER, diesel	46
FUEL INJECTION PUMP, diesel	46
FUEL PUMP, gasoline	38
FUEL TANK	
Diesel	84
Gasoline	84
FUEL TANK FILTER	
Diesel	86
Gasoline	86
GEAR COVER	
Diesel	28
Gasoline	26
GENERATOR	68
GENERATOR ASSEMBLY	66
GOVERNOR, gasoline	40
HAND BRAKE CONTROLS, steering clutch	122
HAND PRIMER PUMP ASSEMBLY, diesel	54
HEAD LAMPS	184
HITCH, 3 Point	
Lift Arm Hydraulic Ram	176
Lift Bars	178
Lift Links & Beaming Tube	178
Lift Shaft & Supports	180
HOLLOW CLUTCH SHAFT	100
HOOD, SHELL, GRILLE, MUFFLER & EXTENSION	82
HOOK, pull	180
HOOR METER	90
HYDRAULIC HOUSING & GEAR	
Diesel	30
Gasoline	30
HYDRAULIC OIL FILTER, front	160
HYDRAULIC PUMP	156
HYDRAULIC SYSTEM	154, 155
IDLER GEAR ASSEMBLY, diesel	26
IDLER PULLEY	
Diesel	60
Gasoline	60
IDLER SHAFT & GEARS, standard	102
IDLER SHAFT & GEARS, w/winch	102
IGNITION, gasoline	42
INDEX, numerical	195

INJECTION LINES, diesel	48
INJECTION PUMP COMPONENTS, diesel	
Housing & Drive	50, 51
Transfer Pump, Head & Rotor.	53
INSTRUMENT PANEL	88
INTAKE MANIFOLD	
Diesel.	22
Gasoline	22
INTERMEDIATE SHAFT & GEAR	104
MAIN FRAME & ENGINE SUPPORT	140
NOZZLE HOLDER, diesel	48
NOZZLE HOLDER ASSEMBLY, diesel.	54
OIL FILTER	
Diesel.	38
Gasoline	38
OIL PAN	
Diesel.	36
Gasoline	36
OIL PUMP	
Diesel.	36
Gasoline	36
OPERATORS SEAT, standard & Backhoe	144
PAN, rear bottom.	182
PAN GUARD, rock & bottom	182
PINION SHAFT	114
PISTON	
Diesel.	12
Gasoline	12
PLATFORM.	142, 144
POWER SHUTTLE CLUTCH	100
PUMP & MANIFOLD, rear.	158
RADIATOR, HOSES & SUPPORT.	78, 80
RADIO.	184
RESERVOIR FILTER.	160
RESERVOIR HYDRAULIC OIL	158
RESERVOIR OIL STRAINER & MAGNET.	160
SHUTTLE CLUTCH & OIL COOLER LINES	150, 152
SHUTTLE CLUTCH & SUMP LINES	146, 148
SHUTTLE CLUTCH INTERNAL LINES.	148
SHUTTLE CLUTCH VALVE	152
SUPPORT ROLLER.	130
SPROCKET, final drive.	120
STARTING MOTOR	
Diesel.	74, 76
Gasoline	72, 74
STEERING CLUTCH	124
TACH-HOUR METER & DRIVE.	90
THERMOSTAT & HOUSING	
Diesel.	32
Gasoline	32
TORQUE CONVERTER	86
TORQUE HOUSING	94

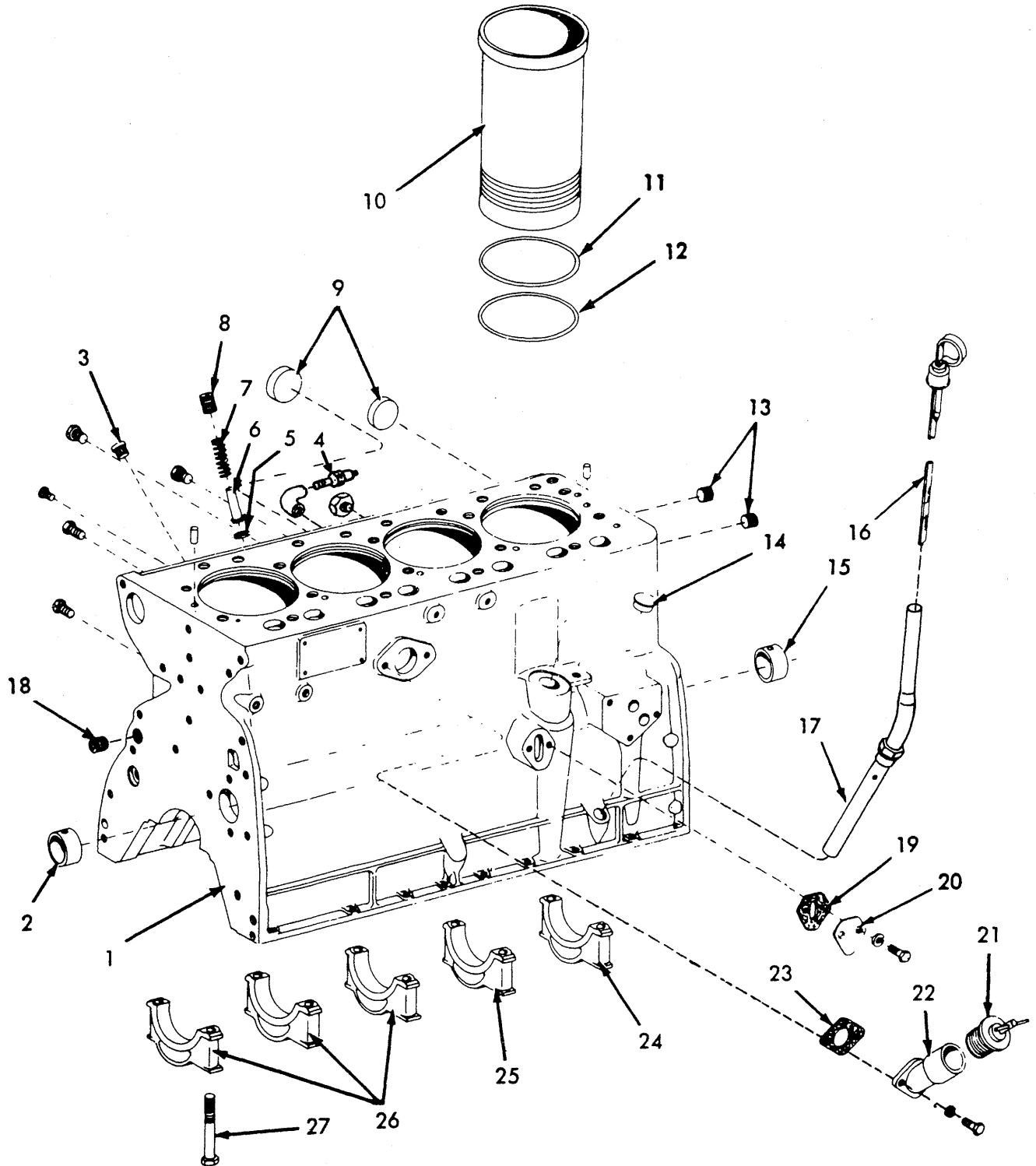
TURBINE INPUT SHAFT	98
TRACK	136, 138
TRACK IDLER	132
TRACK RELEASE.	138
TRANSMISSION	
Gear Shift	114
Housing.	110
Mainshaft.	110
Pinion Shaft.	112
TRUCK FRAME.	134
TRUCK WHEEL.	134
UNIVERSAL CARRIER W/TIE BRACES	
Dozer, H-4	186
Dozer, 493 & 4100	186
Loader, H-4	186
VALVE OPERATING MECHANISM	
Diesel.	16
Gasoline	14
WATER PUMP	
Diesel.	34
Gasoline	34
WEIGHT BRACKET GROUP	188
WEIGHT CARRIER GROUP, w/universal carrier.	188
WINCH DRIVE, front shaft & housing	106, 108
WINCH DRIVE SHAFT, rear	108
WINCH SHIFTER	104

CYLINDER BLOCK
Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4023061-7	1	BLOCK ASSY., cylinder (Incl. Items 2, 3, 5, 9, 13, 14, 15, 18, 24, 25, 26, 27 thru 30 & hardware below)
	2 0919134-7		PLUG, pipe, 1/8
	1 908944		PLUG, pipe, 1/2
	1 0919840-9		PLUG, pipe, 1/4
	1 0918850-9		PLUG, pipe, 1/4
	1 0912415-7		COCK, drain, 1/4
	2 0917547-2		PIN, dowel, 3/8 x 3/4
	1 0915399-0		ELBOW, 90°, 1/8
2	4025025-0	1	BEARING, camshaft, front (standard)
	4025259-5	1	BEARING, camshaft, front (.010" u/s)
3	4362338	1	PLUG, oil level gauge hole
4	4021445	1	SWITCH, oil pressure
5	4507673-4	1	INSERT, oil pressure relief valve
6	4507374	1	PISTON, relief valve
7	4500231	1	SPRING, relief valve
8	4022129	1	SCREW, regulating valve
9	4255107-7	2	PLUG, pipe
10	4023099	4	SLEEVE, cylinder
11	4020537	*	SHIM, cylinder sleeve (.005" thick)
	4020538	*	SHIM, cylinder sleeve (.010" thick)
	4020539	*	SHIM, cylinder sleeve (.015" thick)
	4020540	*	SHIM, cylinder sleeve (.020" thick)
* NOTE: Use as required when remachining cylinder block.			
		4	O-RING, cylinder sleeve (lower)
12	4023827-1	4	O-RING, cylinder sleeve (lower)
13	4255492-3	2	PLUG, pipe
14	4254452	1	PLUG, expansion (for diesel only)
15	4025238-9	2	BEARING, camshaft, center & rear (standard)
	4025258-7	2	BEARING, camshaft, center & rear (.010" u/s)
16	4021612	1	GAUGE, oil level
17	4021616	1	ADAPTOR ASSY., oil level gauge
18	4025392	1	PLUG, pipe 1/2, 1/16 hole
19	4025019	1	GASKET, cover plate
20	4026383	1	PLATE, fuel pump hole cover
	2 921832		CAPSCREW, 5/16NC x 3/4, Gr. 5
	2 917365		WASHER, lock, 5/16
NOTE: These parts, Items 19, 20 & hardware, not required when tractor is equipped with fuel pump.			
21	4021711-9	1	PLUG, oil filter (replaces 4385253)
22	4021498-3	1	ELBOW, oil filler (replaces 4020512)
	2 920415		CAPSCREW, 3/8NC x 1-1/4
	2 916965		WASHER, lock 5/16
	2 0922464-3		WASHER, plain
23	4025021	1	GASKET, elbow
24	4020382-0	1	CAP, main bearing, rear (see Note)
25	4020381-2	1	CAP, main bearing, intermediate (see Note)

(Continued)

CYLINDER BLOCK Gasoline & Diesel



CYLINDER BLOCK
Gasoline & Diesel
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
26	4020380-4	3	CAP, main bearing, front, intermediate & center (see Note)
27	4020135-2	10	CAPSCREW, main bearing cap

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

ASSEMBLIES & PACKAGES

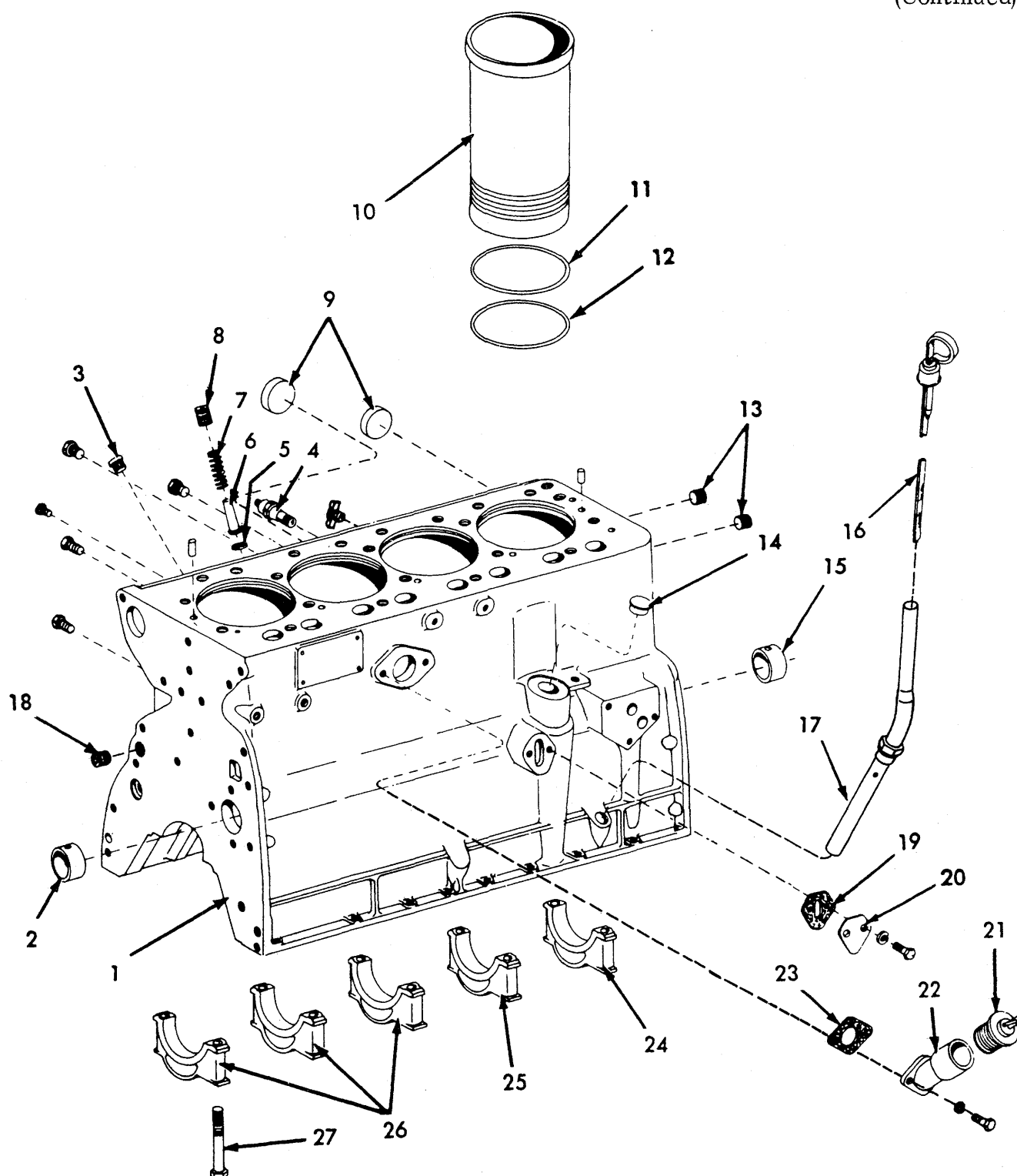
--	4390237	1	PLATE, name (not shown)
		1	4 904516 PIN, drive
--	4022492	1	ENGINE ASSY., replacement, diesel (Discontinued)
--	4022305	1	ENGINE ASSY., replacement, gasoline (Discontinued)

NOTE: Replacement engines do not include fans, generator, starting motor, air cleaner, clutch, carburetor, carburetor linkage, engine supports, crankshaft pulley, or flywheel.

--	4021634	--	SET, gasket (incl. Items 19 & 23)
--	4021635	--	KIT, gasket (incl. Items 19 & 23)
--	4022318	--	KIT, sleeve (gasoline) (incl. Items 10 & 12)
--	4022979	--	KIT, sleeve (diesel) (incl. Items 10 & 12)

104-1

CYLINDER BLOCK
Gasoline & Diesel
(Continued)

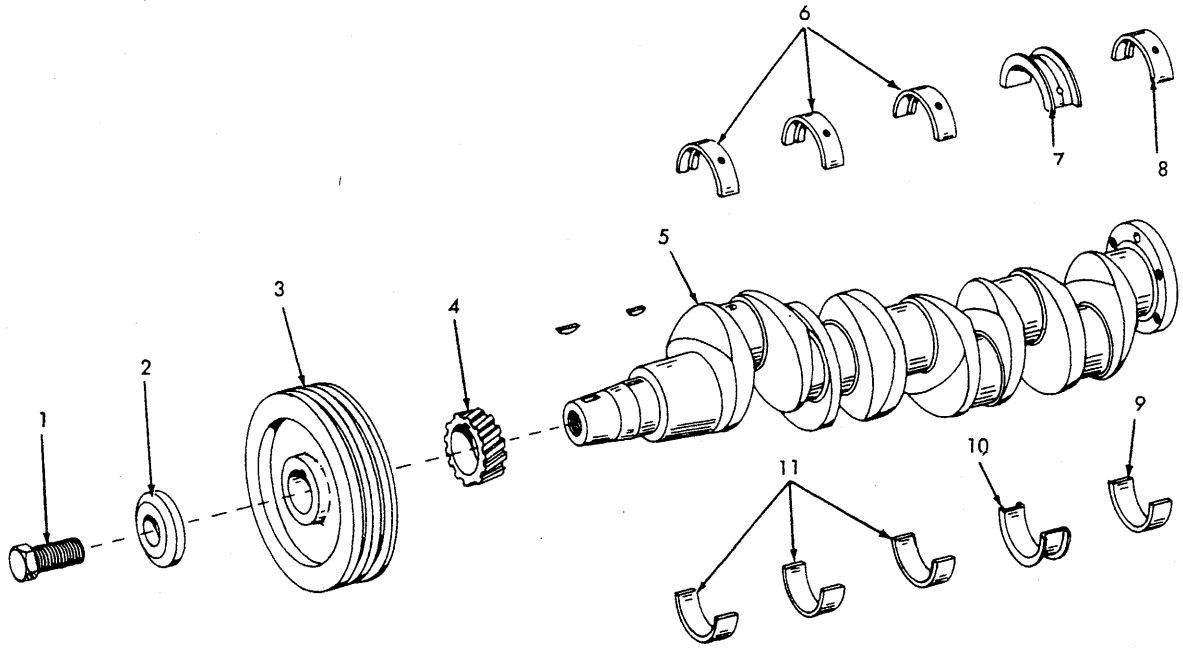


CRANKSHAFT
Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4021525	1	CAPSCREW
2	4020149	1	WASHER, capscrew
3	4020246	1	PULLEY
		1	905845 KEY, woodruff, 1/4 x 7/8
4	4022228	1	GEAR, crankshaft
		1	905845 KEY, woodruff, 1/4 x 7/8
5	4022285	5	CRANKSHAFT
6	4022083	3	BEARING, front, intermediate (upper) (standard)
	4022094-9	3	BEARING, front, intermediate (upper) (.002") (replaces 4020450)
	4022095	3	BEARING, front, intermediate (upper) (.010")
	4022096	3	BEARING, front, intermediate (upper) (.020")
	4022098-0	3	BEARING, front, intermediate (upper) (.040") (replaces 4020454)
7	4022087	1	BEARING, center (upper) (standard)
	4022114-5	1	BEARING, center (upper) (.002") (replaces 4020470)
	4022115	1	BEARING, center (upper) (.010")
	4022116	1	BEARING, center (upper) (.020")
	4022118-6	1	BEARING, center (upper) (.040") (replaces 4020474)
8	4022085	1	BEARING, rear (upper) (standard)
	4022104-6	1	BEARING, rear (upper) (.002") (replaces 4020460)
	4022105	1	BEARING, rear (upper) (.010")
	4022106	1	BEARING, rear (upper) (.020")
	4022108-7	1	BEARING, rear (upper) (.040") (replaces 4020464)
9	4022086	1	BEARING, rear (lower) (standard)
	4022109-5	1	BEARING, rear (lower) (.002") (replaces 4020465)
	4022110	1	BEARING, rear (lower) (.010")
	4022111	1	BEARING, rear (lower) (.020")
	4022113-7	1	BEARING, rear (lower) (.040") (replaces 4020469)
10	4022088	1	BEARING, center (lower) (standard)
	4022119-4	1	BEARING, center (lower) (.002") (replaces 4020475)
	4022120	1	BEARING, center (lower) (.010")
	4022121	1	BEARING, center (lower) (.020")
	4022123-6	1	BEARING, center (lower) (.040") (replaces 4020479)
11	4022084	3	BEARING, front, intermediate (lower) (standard)
	4022099-8	3	BEARING, front, intermediate (lower) (.002") (replaces 4020455)
	4022100	3	BEARING, front, intermediate (lower) (.010")
	4022101	3	BEARING, front, intermediate (lower) (.020")
	4022103-8	3	BEARING, front, intermediate (lower) (.040") (replaces 4020459)

104-2

CRANKSHAFT
Gasoline & Diesel



PISTON & CONNECTING ROD
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4020142	8	CAPSCREW, connecting rod
2	4020145	8	WASHER, flat, capscrew
3	4022233-8	4	ROD ASSY., connecting (incl. Items 1, 2, & 7)
4	4022082-8	8	BEARING, connecting rod (standard)
	4022089-9	8	BEARING, connecting rod (.002")
	4022090-7	8	BEARING, connecting rod (.010")
	4022091-5	8	BEARING, connecting rod (.020")
	4022092-3	8	BEARING, connecting rod (.030")
	4022093-1	8	BEARING, connecting rod (.040")
5	4020739	4	PIN, piston
6	4253059	8	RETAINER, piston pin
7	4020049	4	BUSHING, connecting rod
8	4021796	4	RING SET, piston (incl. 1 Top Ring, 2 Rings 2nd & 3rd & 1 three piece Oil Control Ring)
9	4022313	4	PISTON

ASSEMBLIES & PACKAGES

--	4022318	--	KIT, sleeve (incl. Items 5, 6, 8, & 9)
----	---------	----	--

PISTON & CONNECTING ROD
Diesel

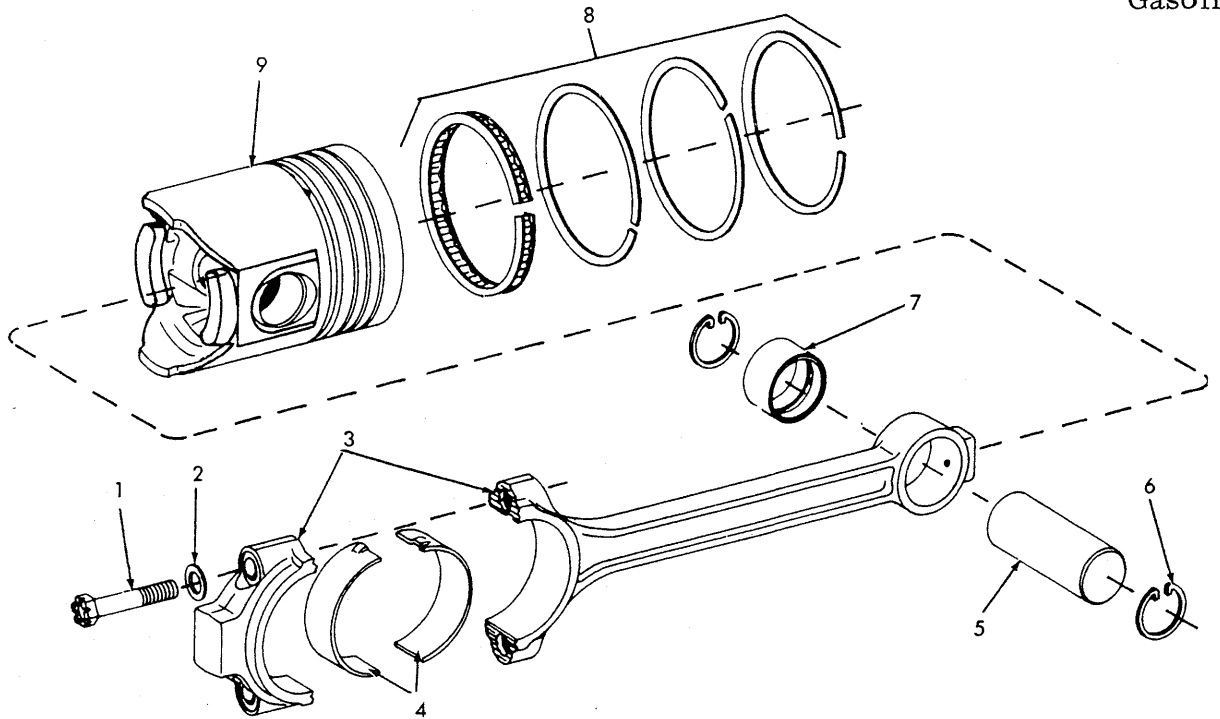
ITEM	NUMBER	QTY.	DESCRIPTION
1	4020142	8	CAPSCREW, connecting rod
2	4020145	8	WASHER, flat, capscrew
3	4022233	4	ROD ASSY., connecting (incl. Items 1, 2, & 7)
4	4022082	8	BEARING, connecting rod (standard)
	4022089-9	8	BEARING, connecting rod (.002")
	4022090-7	8	BEARING, connecting rod (.010")
	4022091-5	8	BEARING, connecting rod (.020")
	4022092-3	8	BEARING, connecting rod (.030")
	4022093-1	8	BEARING, connecting rod (.040")
5	4020739	4	PIN, piston
6	4253059	8	RETAINER, piston pin
7	4020049	4	BUSHING, connecting rod
8	4021796	4	RING SET, piston (incl. 1 Top Ring, 2 Rings 2nd & 3rd, & 1 three piece Oil Control Ring)
9	4023926-1	4	PISTON (replaces 4022958)

ASSEMBLIES & PACKAGES

--	4022979	--	KIT, sleeve (incl. Items 5, 6, 8, & 9)
----	---------	----	--

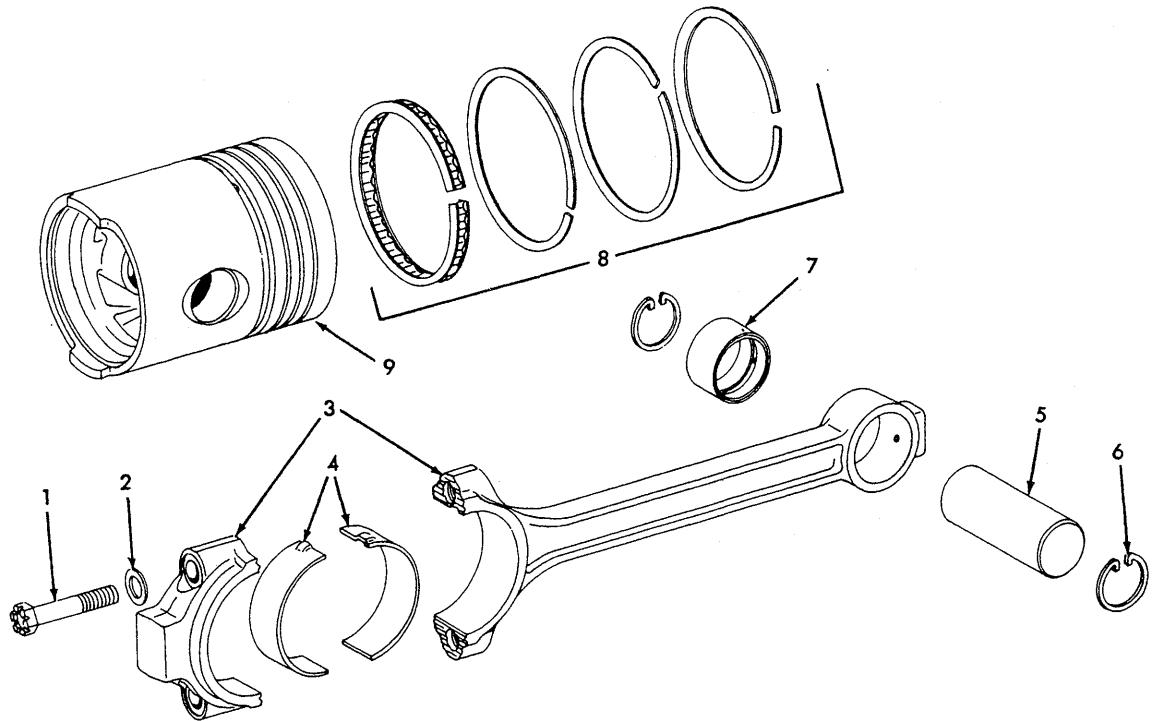
104-3

PISTON & CONNECTING ROD
Gasoline



104-4

PISTON & CONNECTING ROD
Diesel

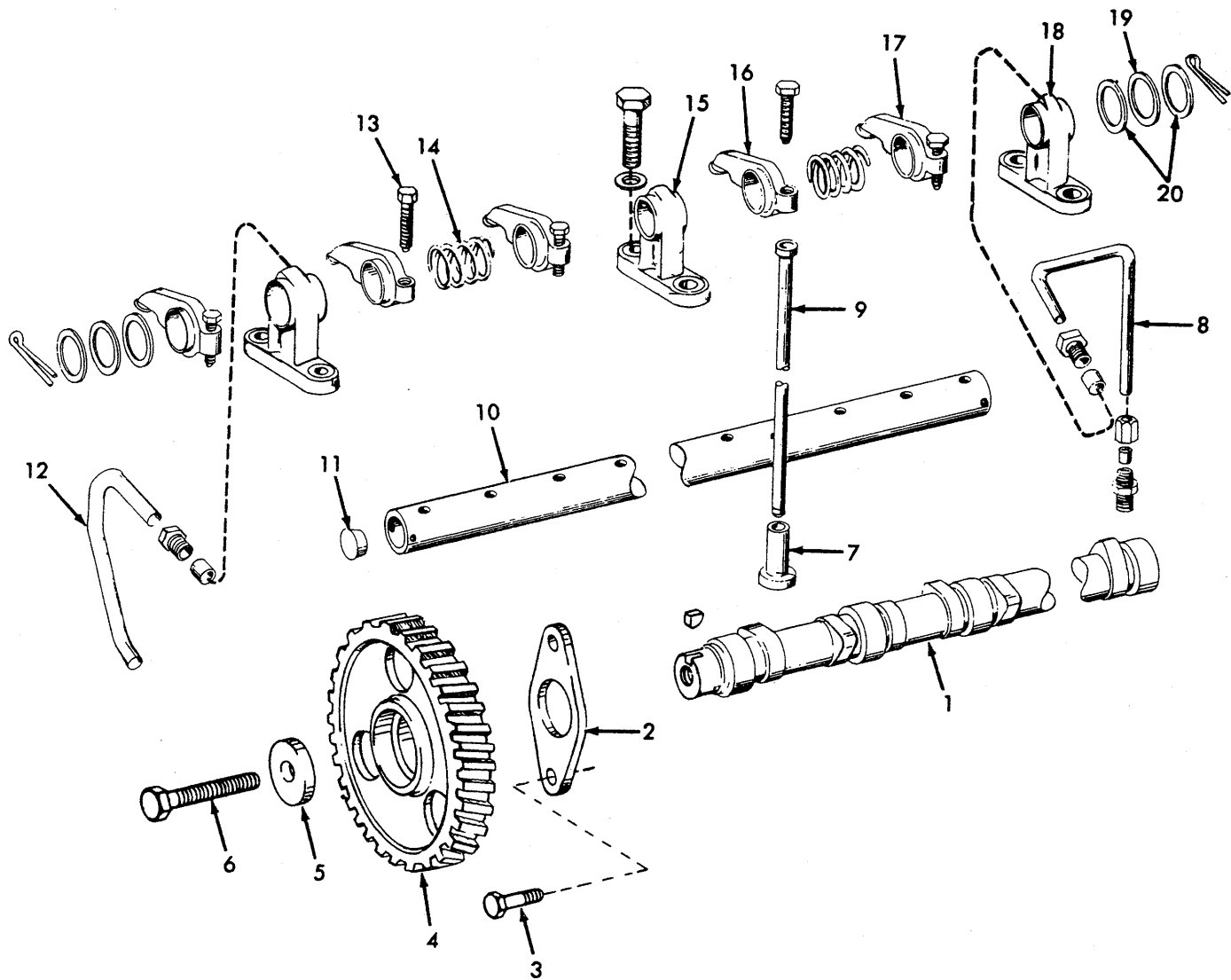


VALVE OPERATING MECHANISM
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4022459	1	CAMSHAFT
2	4021454	1	PLATE, thrust
3	4254864	2	BOLT, place
4	4022292-9	1	GEAR, camshaft (prior to SN2G-07615) (replaces 4022229)
	4022458	1	GEAR, camshaft (eff. w/SN2G-07615 & up)
		1	4022430 KEY
5	4022339	1	WASHER
6	0925821	1	CAPSCREW, 7/16NC x 4
7	4026699	8	LIFTER, valve
8	4020683	1	TUBE, oil feed
		2	911435 SLEEVE, 1/4
		1	913536 NUT, inverted flared, 1/4
		1	914626 CONNECTOR, male, 1/4 x 1/8
		1	911437 NUT, inverted flared, 1/4
9	4020185	8	ROD, push
10	4021453	1	SHAFT, rocker arm
		2	925719 PIN, cotter, 1/8 x 2
11	4512644	2	PLUG, shaft
12	4020359	1	TUBE, oil drain
		1	911435 SLEEVE, 1/4
		1	913536 NUT, inverted flared, 1/4
13	4513206-5	8	SCREW, adjusting
14	4025191	3	SPRING, spacer, center
15	4020307	2	BRACKET, rocker arm, intermediate
		2	921333 CAPSCREW, 5/16NC x 1
		2	917356 WASHER, lock 5/16
16	4020177	4	ARM ASSY., rocker (Off-set to left) (incl. Item 14)
17	4020176	4	ARM ASSY., rocker (Off-set to right) (incl. Item 14)
18	4020308	2	BRACKET, rocker arm (end)
19	4025193	2	SPRING, washer spacing (end)
20	4025194	4	WASHER, spacing (end)

104-6

VALVE OPERATING MECHANISM
Gasoline

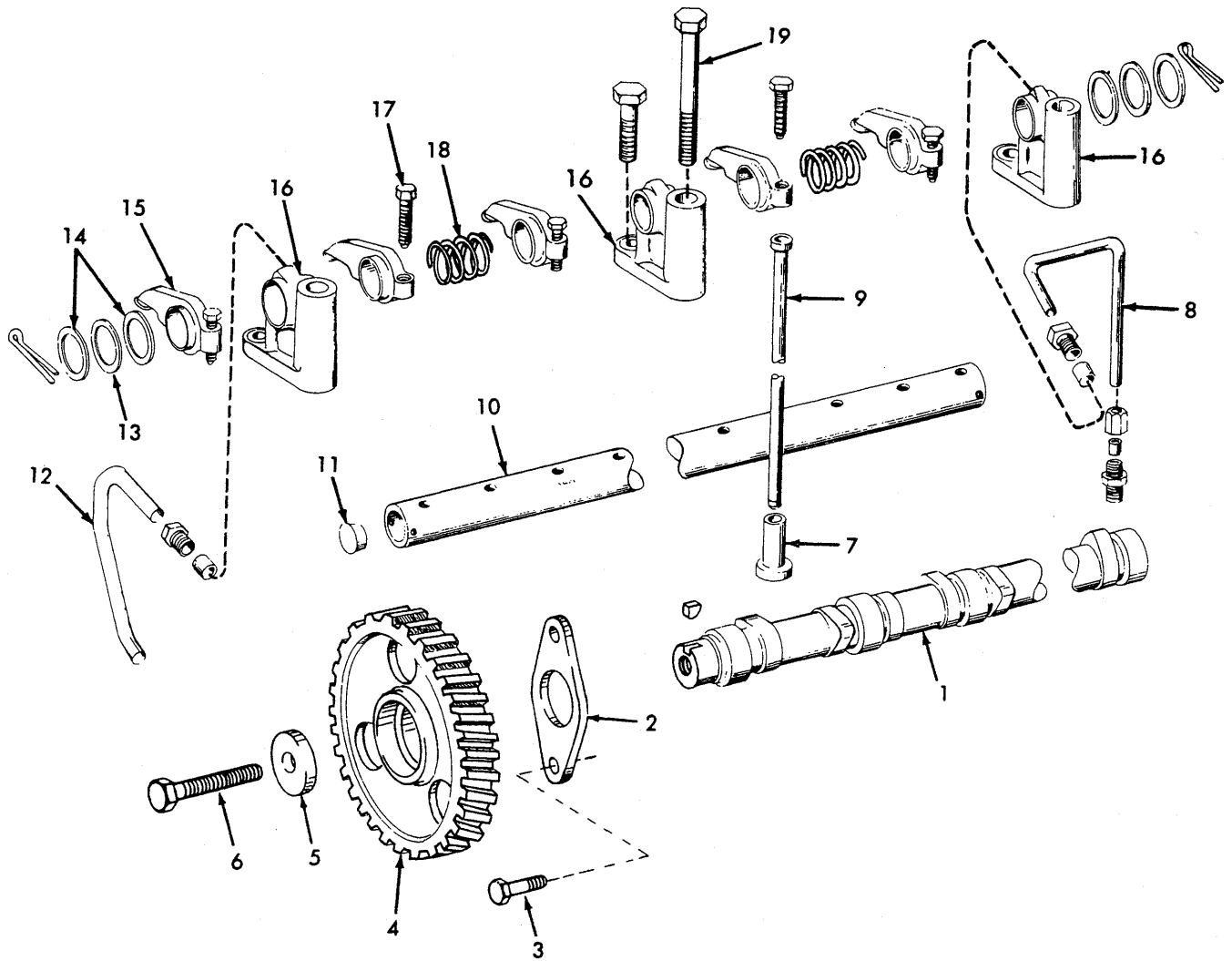


VALVE OPERATING MECHANISM
Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4022458	1	CAMSHAFT
2	4021454	1	PLATE, thrust
3	4254864	2	BOLT, place
4	4024459	1	GEAR, camshaft (prior to SN 2D-18297)
	4022292	1	GEAR, camshaft (eff. SN 2D-18297 & up)
		1	4022430 KEY
5	4022339	1	WASHER
6	0925821	1	CAPSCREW, 7/16 x 4
7	4026699	8	LIFTER, valve
8	4020683	1	TUBE, oil feed
		2	911435 SLEEVE, 1/4
		1	913536 NUT, inverted flared, 1/4
		1	914626 CONNECTOR, male, 1/4 x 1/8
		1	911437 NUT, inverted flared, 1/4
9	4020185	8	ROD, push
10	4021453	1	SHAFT, rocker arm
		2	925719 PIN, cotter, 1/8 x 1-3/8
11	4512644	2	PLUG, shaft, rocker arm
12	4020359	1	TUBE, oil drain
		1	913536 NUT, inverted flared, 1/4
		1	911435 SLEEVE, 1/4
13	4025193	2	WASHER, spring (end)
14	4025194	4	WASHER, spacer (end)
15	4025188	8	ARM ASSY., rocker (incl. Item 17)
16	4020143	4	BRACKET, rocker arm (end)
		1	919224 CAPSCREW, 3/8NC x 1-1/8
		1	916965 WASHER, lock, 3/8
17	4513206-5	8	SCREW, adjusting, rocker arm
18	4025191	3	SPRING, rocker arm, spacing
19	-----	4	CAPSCREW, bracket (see Cylinder Head Group)

104-5

VALVE OPERATING MECHANISM
Diesel



CYLINDER HEAD
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4022897-5	1	GASKET, cylinder head (prior to S/N 2G-09490)
	4021825-7	1	GASKET, cylinder head (Inc. S/N 2G-09490 & up)
2	4020080	4	VALVE, intake
3	4020082	4	VALVE, exhaust
4	4020147	*	INSERT, intake valve (1.6105" to 1.6115" OD) (Intake seat inserts are not original equipment - requires remachining of cylinder head)
5	4020146	4	INSERT, exhaust valve (standard)
	4020536	*	INSERT, exhaust valve (.005" o/s)
6	4022649	1	HEAD ASSY., cylinder (incl. Items 4, 5, 7, & plugs) 3 918851 PLUG, pipe, 3/4NPTF
7	4022595	8	GUIDE, intake & exhaust
8	4020156	8	SPRINGS, intake & exhaust
9	4020419	4	ROTATOR, exhaust valve
10	4020408	4	RETAINER, spring, intake valve
11	4376497	16	LOCK, half, valve spring retainer
12	4020317	1	GASKET, cylinder head cover
13	4022081	1	COVER, cylinder head
14	4153776	6	CAPSCREW, cover, cylinder head
15	4025491	6	WASHER, capscrew, cylinder head cover
16	4029256-7	17	CAPSCREW, cylinder head (replaces 4025164)
17	4025165	17	WASHER, capscrew
18	4020813	2	EYE, lifting
19	244819	1	BRACKET, tube 1 903771 CAPSCREW, 5/6NC x 7/8 1 917356 WASHER, lock, 5/16
20	4020494	1	ELBOW, trailer tube
21	4254757	2	CLAMP, elbow
22	247288	1	TUBE, breather trailer
23	4303933	1	CLIP, by-pass tube 1 903626 CAPSCREW, 5/16NC x 3/4 1 917356 WASHER, lock, 5/16 1 917372 NUT, 5/16NC
--	4306010-2	1	CLIP, trail tube (not shown)

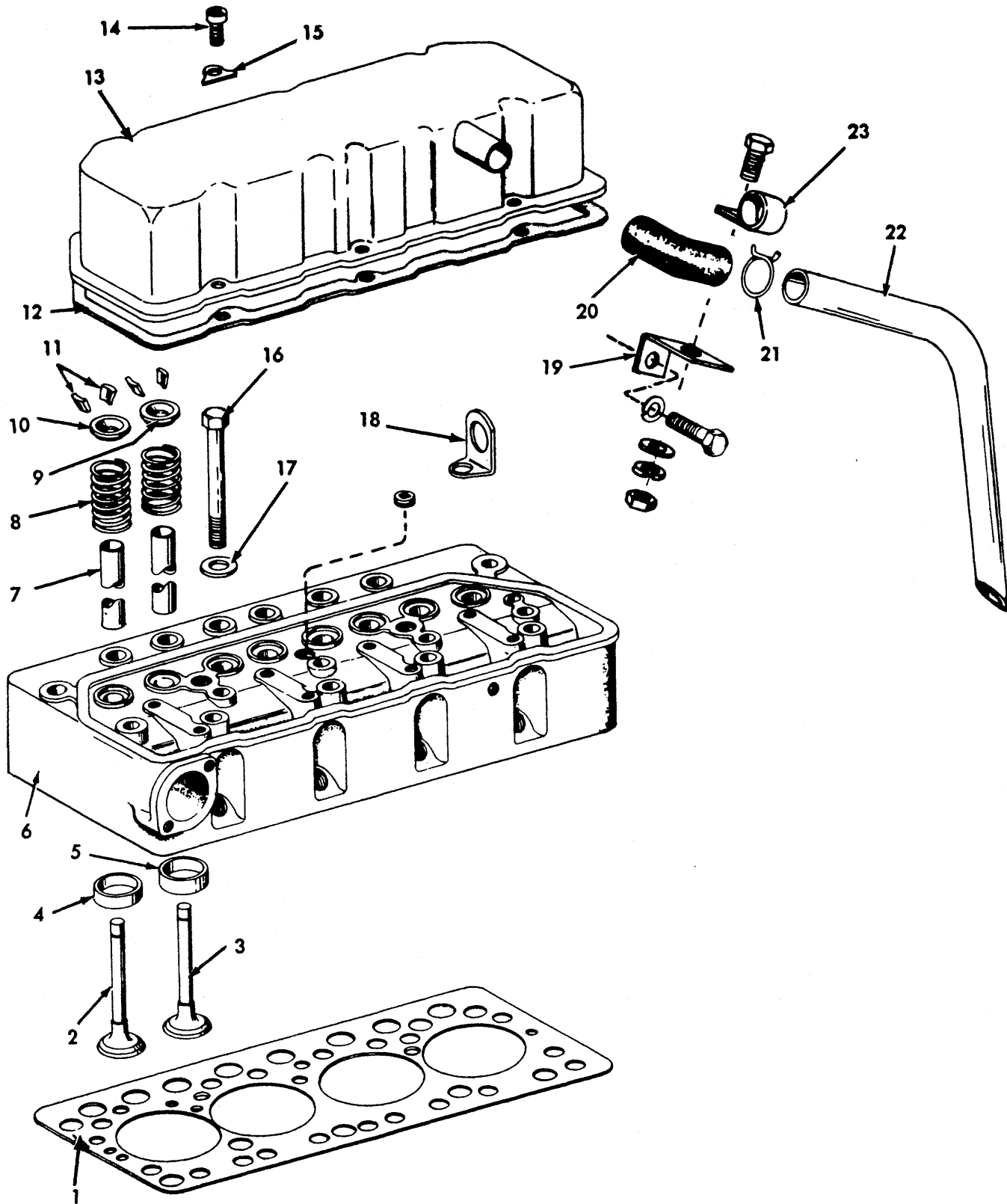
ASSEMBLED & PACKAGES

--	4022948-6	--	KIT, gasket (incl. Items 1 & 12) (Prior to S/N 2G-09490)
	4021851-3		KIT, gasket (incl. Items 1 & 12) (incl. S/N 2G-09490 & up)

* Use as required

104-7

CYLINDER HEAD
Gasoline



CYLINDER HEAD
Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4022897-5	1	GASKET, cylinder head (prior to S/N 2D-22869)
	4021825-7	1	GASKET, cylinder head (incl. S/N 2D-22869 & up)
2	4020080	4	VALVE, intake
3	4020082	4	VALVE, exhaust
4	4020147	*	INSERT, intake valve (1.6105" to 1.6115" O.D.) (see note)
5	4020146	*	INSERT, exhaust valve (1.4825" to 1.4835" O.D.) (see note)
	4020536	*	INSERT, exhaust valve (1.4875" to 1.4885" O.D.) (see note)
NOTE: Intake and exhaust valve seat inserts are not original equipment - requires machining of cylinder head.			
6	4024501-1	1	HEAD ASSY., cylinder (incl. Items 4, 5, 7 & plugs) (replaces 4022647-4)
		3	918851 PLUG, pipe, 3/4NPTF
7	4022595	8	GUIDE, valve, intake & exhaust
8	4020156	8	SPRING, valve, intake & exhaust
9	4020408	8	RETAINER, spring, intake & exhaust valve
10	4376497	16	LOCK, half, valve spring retainer
11	4020256	1	GASKET, cylinder head cover
12	4022080	1	COVER, cylinder head
13	4153776	6	CAPSCREW, cover, cylinder head
14	4025491	6	WASHER, capscREW, cylinder head cover
15	4029256-7	15	CAPSCREW, cylinder head (short) (replaces 4025164)
16	4025165	19	WASHER, capscREW
17	4025166	4	CAPSCREW, cylinder head (long)
18	4020813	2	EYE, lifting
19	244819	1	BRACKET, tube
		1	903771 CAPSCREW, 5/16NC x 7/8
		1	917356 WASHER, lock, 5/16
20	4020494	1	ELBOW, trailer tube
21	4254757-0	1	CLAMP, elbow
22	247288	1	TUBE, breather trailer
23	4303933	1	CLIP, by-pass tube
		1	903626 CAPSCREW, 5/16NC x 3/4
		1	917356 WASHER, lock, 5/16
		1	917372 NUT, 5/16NC
--	4306010-2	1	CLIP, trail tube (not shown)

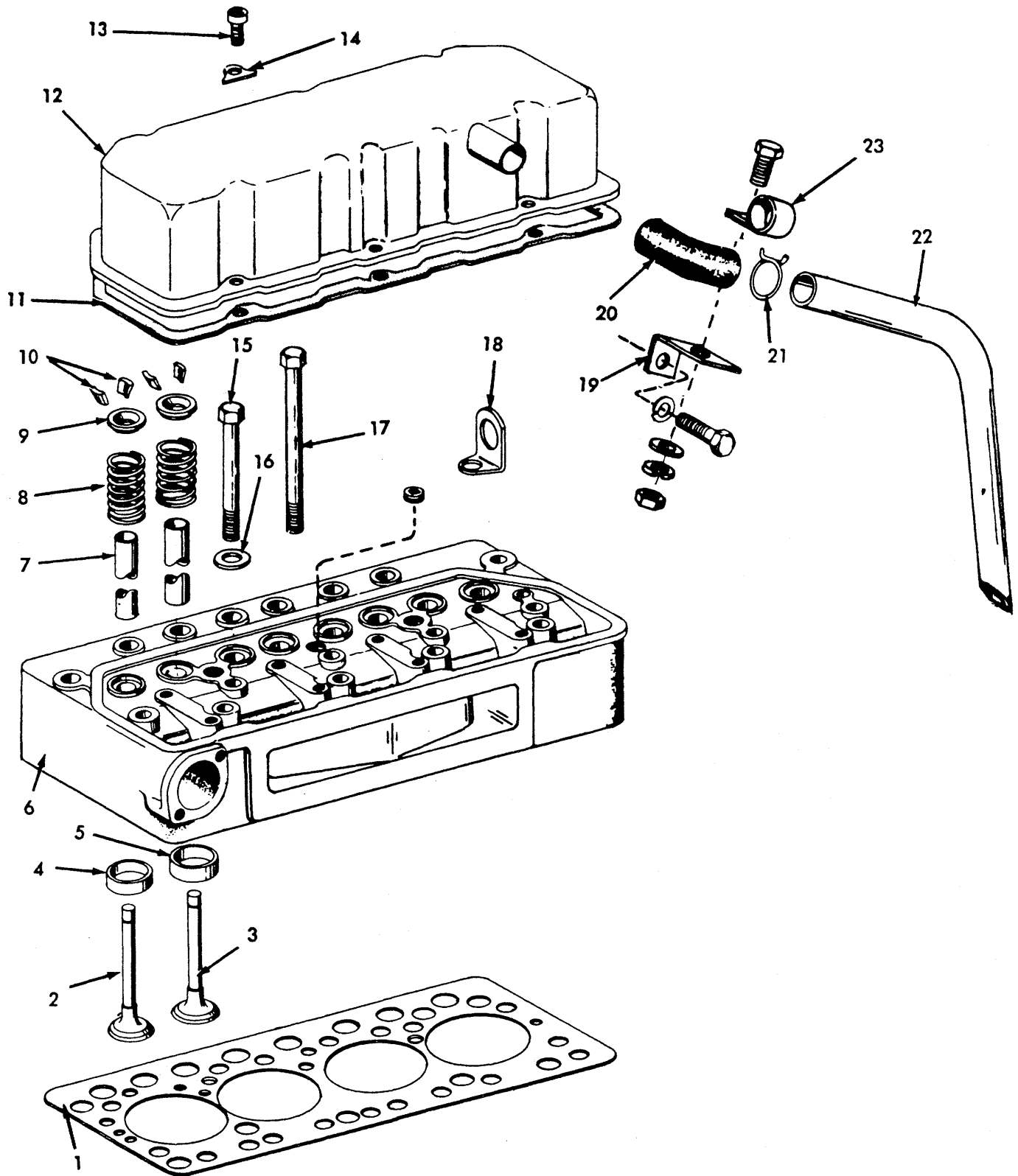
ASSEMBLIES & PACKAGES

4022947-8	--	KIT, gasket (incl. Items 1 & 11) (prior to S/N 2D-22869)
4021850-5		KIT, gasket (incl. Items 1 & 11) (incl. S/N 2D-22869 & up)

* Use as required

104-8

CYLINDER HEAD
Diesel



INTAKE & EXHAUST MANIFOLD
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4255694	1	NIPPLE, pipe exhaust
2	4020192	1	GASKET, intake & exhaust
3	4020353	1	MANIFOLD, exhaust
	4	919224	CAPSCREW, 3/8NC x 1-1/8
	4	924355	WASHER, plain, 3/8
	2	4021803	CAPSCREW
	2	4021804	CAPSCREW
	1	918850	PLUG, pipe, 1/4
4	4020189	2	WASHER
5	4020191	1	GASKET, intake to exhaust manifold
6	4020352	1	MANIFOLD, intake
	4	920649	CAPSCREW, 7/16NC x 1-3/8
	1	917673	PLUG, pipe, 1/8
7	4020824	1	BRACKET, air tube support
8	4020396	6	WASHER

ASSEMBLIES & PACKAGES

--	4022948-6	--	KIT, gasket (incl. Items 2 & 5) (prior to S/N 2G-09490)
--	4021851-3	--	KIT, gasket (incl. Items 2 & 5) (incl. S/N 2G-09490 & up)

INTAKE MANIFOLD
Diesel

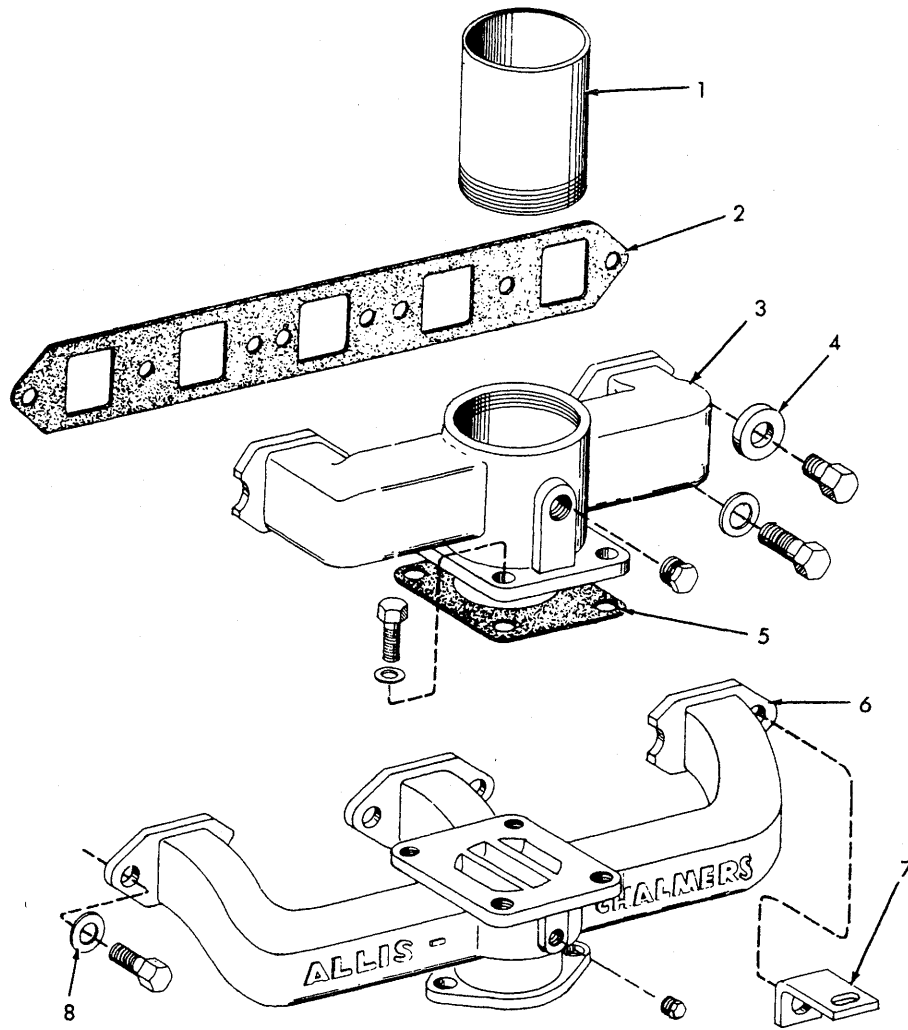
ITEM	NUMBER	QTY.	DESCRIPTION
1	4021339	1	GASKET, intake manifold
2	4020224	1	MANIFOLD, intake
	1	919134	PLUG, pipe, 1/8
3	4255524	8	CAPSCREW, intake manifold
	1	911987	WASHER, plain, 3/8
	1	917356	WASHER, lock, 5/16

ASSEMBLIES & PACKAGES

--	4022947-8	--	KIT, gasket, (incl. Item 1) (prior to S/N 2D-22869)
	4021850-5		KIT, gasket (incl. Item 1)(incl. S/N 2D-22869 & up)

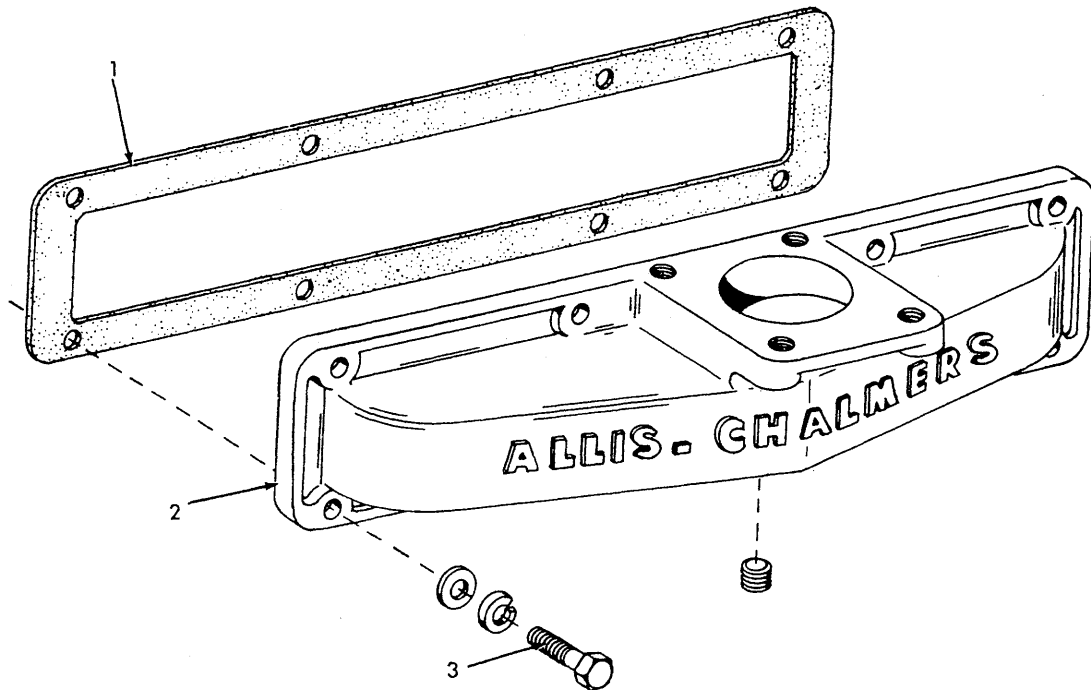
104-9

INTAKE & EXHAUST MANIFOLD
Gasoline



104-10

INTAKE MANIFOLD
Diesel



EXHAUST MANIFOLD

Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4255694	1	NIPPLE, exhaust
2	4020090	2	GASKET, manifold
3	4020227	1	MANIFOLD, exhaust
	1 917425		PLUG, pipe, 1/4
4	4506761	4	WASHER, manifold capscrew
5	4021803	4	CAPSCREWS

ASSEMBLIES & PACKAGES

--	4022947-8	--	KIT, gasket (incl. Item 2) (prior to S/N 2D-22869)
--	4021850-5	--	KIT, gasket (incl. Item 2) (incl. S/N 2D-22869 & up)

FLYWHEEL & ADAPTOR PLATE

*Gasoline & **Diesel

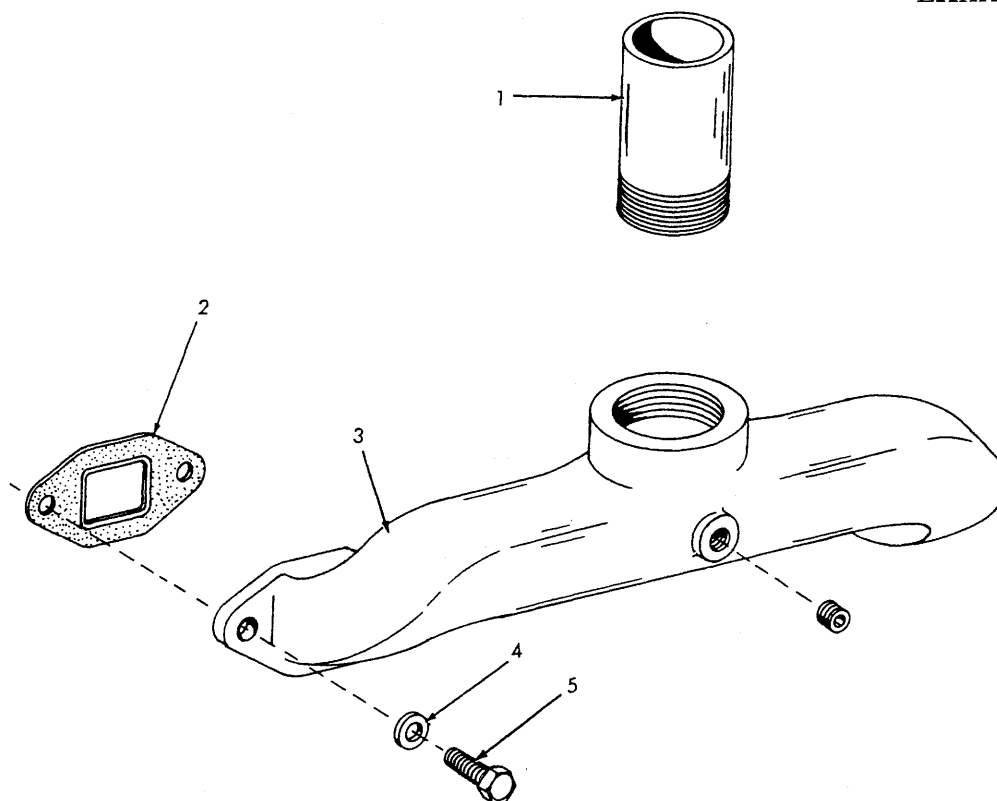
ITEM	NUMBER	QTY.	DESCRIPTION
		* **	
1	4020016	1 1	O-RING, flywheel, plate (8-1/2 I.D.)
2	4020879	1 1	O-RING, flywheel, plate (2-1/4 I.D.)
3	4021827	1 1	PLATE, adaptor, flywheel
	2 917021		PIN, dowel, 1/2 x 1
	7 919230		CAPSCREW, 1/2NC x 1-3/8
	7 916966		WASHER, lock, 1/2
4	4021969	1 1	SEAL, oil, rear (prior to S/N 2G-12484 and 2D-34134)
	4020575	1 1	SEAL, oil, rear (incl. S/N 2G-12484 & up and 2D-34134 & up)
5	4514813	1 1	SLEEVE, oil seal
6	4500300	2 2	DOWEL, flywheel
7	4021822	1 -	FLYWHEEL ASSY., (incl. Item 8)
	4021823	- 1	FLYWHEEL ASSY., (incl. Item 8)
8	4020211	1 -	RING, gear
	4020812	- 1	RING, gear
9	4254594	4 4	CAPSCREW, flywheel

ASSEMBLIES & PACKAGES

--	4021634	- -	SET, gasket (incl. Items 1 & 2)
--	4021635	- -	KIT, gasket (incl. Items 1 & 2)

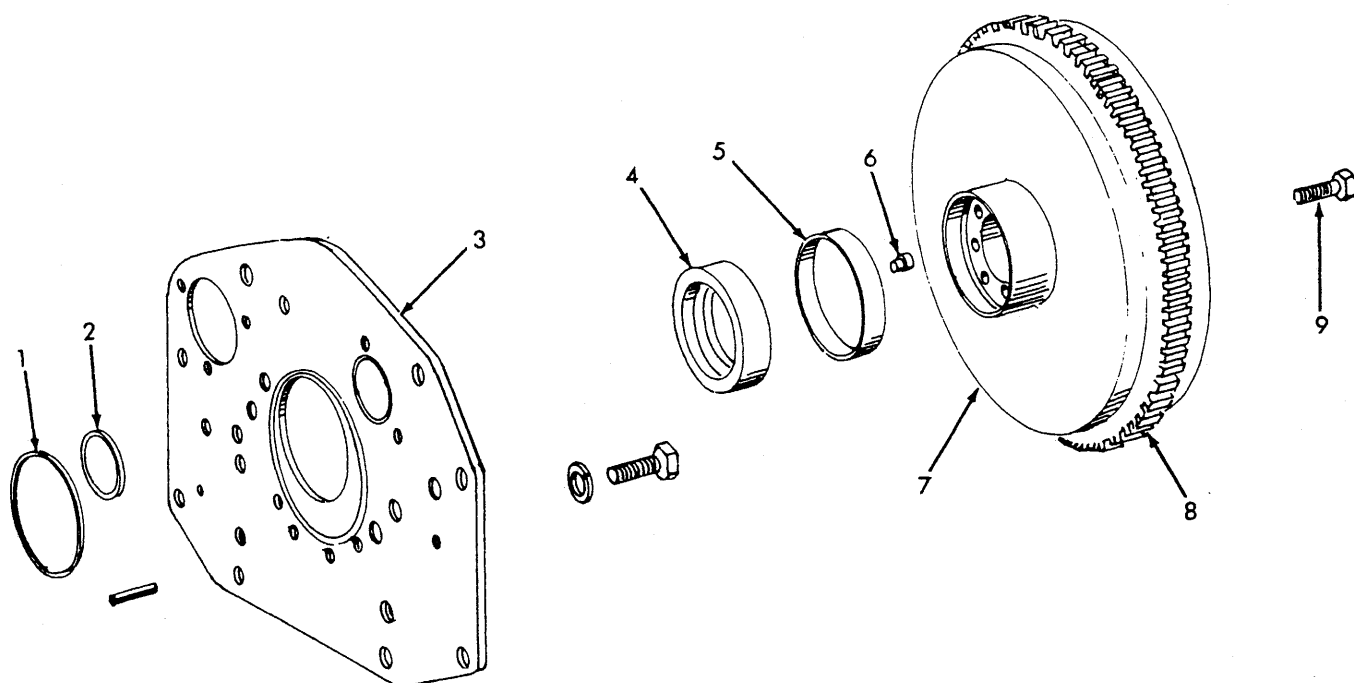
104-11

EXHAUST MANIFOLD
Diesel



104-12

FLYWHEEL & ADAPTOR PLATE
*Gasoline & **Diesel



FRONT PLATE & GEAR COVER

Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4513444	1	POINTER, timing
2	4023563-2	1	SEAL, oil, front (replaces 4021798)
3	4025079	1	PLATE, cover, hydraulic pump
	1	921210	CAPSCREW, 3/8NC x 1
	1	919224	CAPSCREW, 3/8NC x 1-1/8
	2	916965	WASHER, lock, 3/8
4	4026549	1	GASKET, plate, hydraulic pump cover
5	4020196	1	COVER, gear
	2	922918	CAPSCREW, 3/8NC x 3-1/4
	1	921973	CAPSCREW, 3/8NC x 2-3/4
	4	919225	CAPSCREW, 3/8NC x 1-3/8
	3	919224	CAPSCREW, 3/8NC x 1-1/8
	7	913544	WASHER, plain, 13/32 x 3/4 x #16
	10	916965	WASHER, lock, 3/8
6	4020197	1	GASKET, gear cover
7	4023314	1	PLATE, front (replaces 4022433)
	3	916269	CAPSCREW, 3/8NC x 7/8
	3	916965	WASHER, lock, 3/8
	2	917535	DOWELS, 1/2 x 1-1/4
8	4020195	1	GASKET, front plate to block
9	4026460	2	STUD

ASSEMBLIES & PACKAGES

--	4023220-9	--	KIT, gasket (incl. Items 4, 6, & 8) (replaces 4021635)
----	-----------	----	--

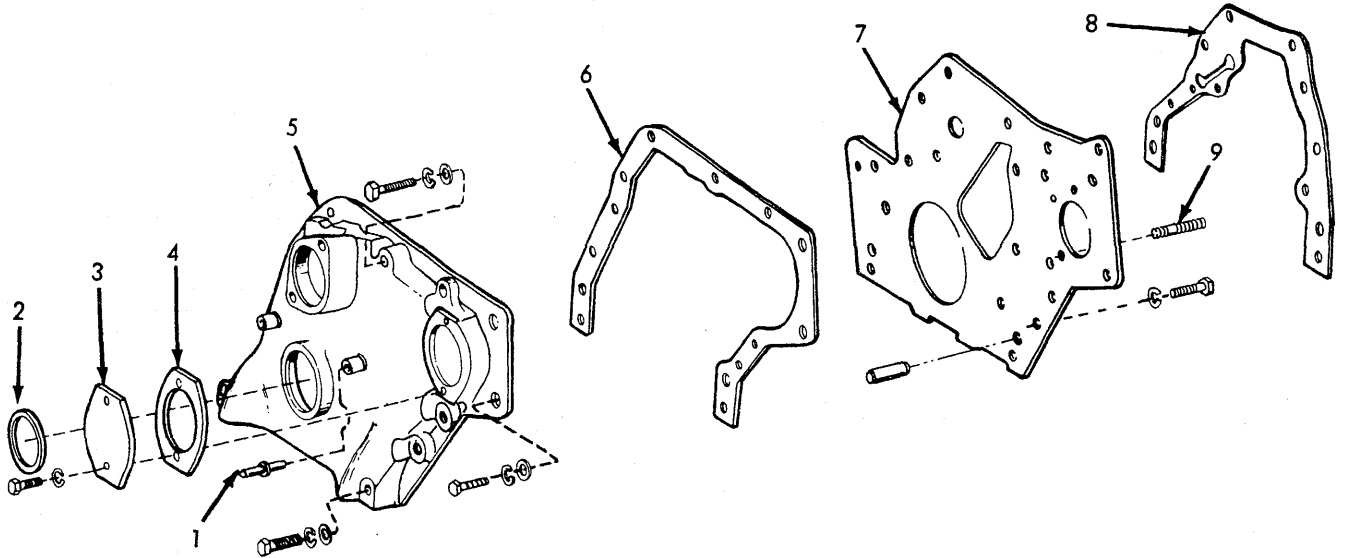
IDLER GEAR ASSY.

Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	924746	1	CAPSCREW, retaining, idler gear, 1/2NC x 3-1/2, Gr. 8 (Supersedes 921539)
2	4025461	1	WASHER, idler gear capscrow
3	4025082	1	BEARING ASSY., idler gear
4	4022231	1	GEAR ASSY., idler (incl. Item 3)
5	4020102	1	SHAFT, idler gear

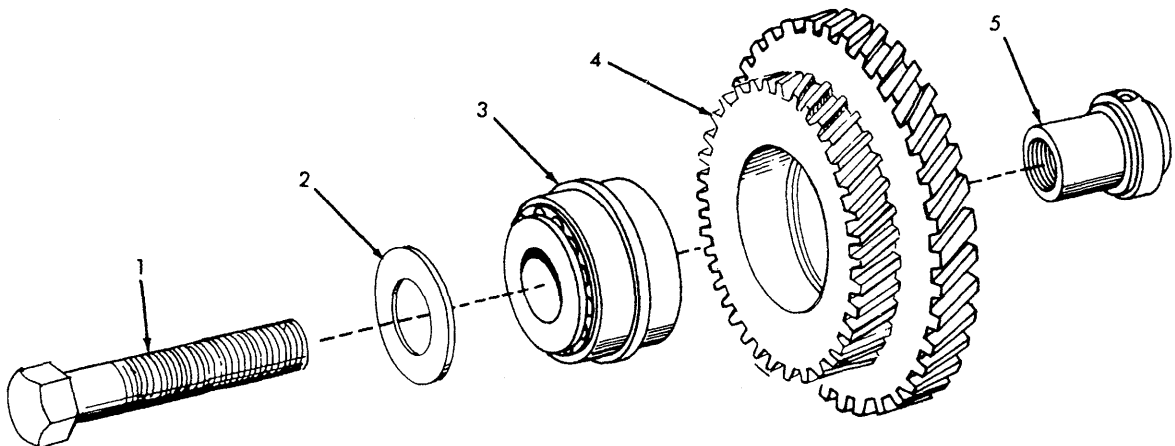
104-13

FRONT PLATE & GEAR COVER
Gasoline



104-14

IDLER GEAR ASSY.
Diesel



FRONT PLATE & GEAR COVER

Diesel

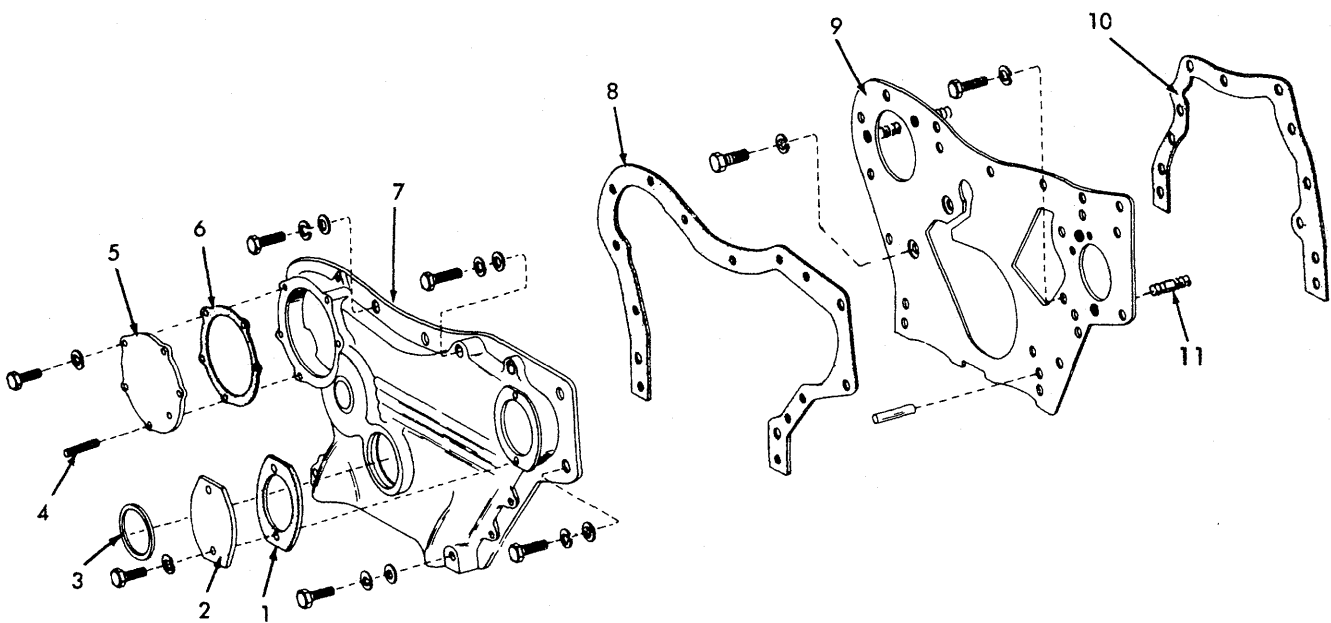
ITEM	NUMBER	QTY.	DESCRIPTION
1	4026549	1	GASKET, Hydraulic pump cover
2	4025079	1	COVER, Hydraulic pump, plate.
			1 921210 Capscrew, 3/8NC x 1
			1 921965 Capscrew, 3/8NC x 3/4
			2 916965 Washer, lock, 3/8
			2 0916951-7 Nut, 1/2 UNC
3	4023563-2	1	SEAL, Oil, front (replaces 4023561-6 & 4021798)
4	4020698	1	STUD, Inspection plate (also mounts idler pulley bracket)
5	4023857-8	1	PLATE, Front inspection. (replaces 4023731-5 & 402095)
			4 915813 Capscrew, 5/16NC x 3/4
			4 916964 Washer, lock, 5/16
			1 916269 Capscrew, 3/8NC x 7/8, Gr. 5
6	4023859-4	1	GASKET, Inspection plate (replaces 4023732-3 & 4020104)
7	4023858-6	1	COVER, Gear (replaces 4023272-0 & 4020099)
			2 922918 Capscrew, 3/8NC x 3-1/4
			1 0927117-5 Capscrew
			2 919225 Capscrew, 3/8NC x 1-3/8
			4 919224 Capscrew, 3/8NC x 1-1/8
			3 921210 Capscrew, 3/8NC x 1
			3 913544 Washer, plain, 13/32 x 3/4 x # 16
			12 916965 Washer, lock, 3/8
			1 0226408-3 Plug
			1 0226012-3 Gasket
			1 4330051-4 Stud
8	4023567-3	1	GASKET, Gear cover (replaces 4020100)
9	4021324	1	PLATE, Front
			3 916269 Capscrew, 3/8NC x 7/8
			2 0921967-6 Capscrew, 3/8NC x 1-1/8
			5 916965 Washer, lock, 3/8
			2 917535 Dowel, 1/2 x 1-1/4
10	4020098	1	GASKET, Plate to block
11	4026460	5	STUD

ASSEMBLIES & PACKAGES

— 4021634 — SET, Gasket (incl. Items 1, 6, 8, & 10)

104-15

FRONT PLATE & GEAR COVER
Diesel



HYDRAULIC HOUSING & GEAR Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4022784	1	GEAR, hydraulic pump drive (Hardened) (S/N 3001 & up)
	4020009	1	GEAR, hydraulic pump drive (Soft) (Prior to S/N 3001)
2	4357289	1	BEARING SET, drive gear
3	923817	1	O-RING, housing to block
4	4022659	1	HOUSING, hydraulic pump drive
5	916768	2	CAPSCREW
		2	916965 WASHER, lock, 3/8
		2	910123 NUT, 3/8NF
6	4023052-6	1	NUT, shaft, retainer (S/N 2D-41434 & up)
7	4026549	1	GASKET, cover
8	4025079	1	COVER, hydraulic pump housing
		2	921210 CAPSCREW, 3/8NC x 1, Gr. 5
		2	916965 WASHER, lock, 3/8
9	913544	2	WASHER, dynaseal, 13/32 x 3/4 x #16

ASSEMBLIES & PACKAGES

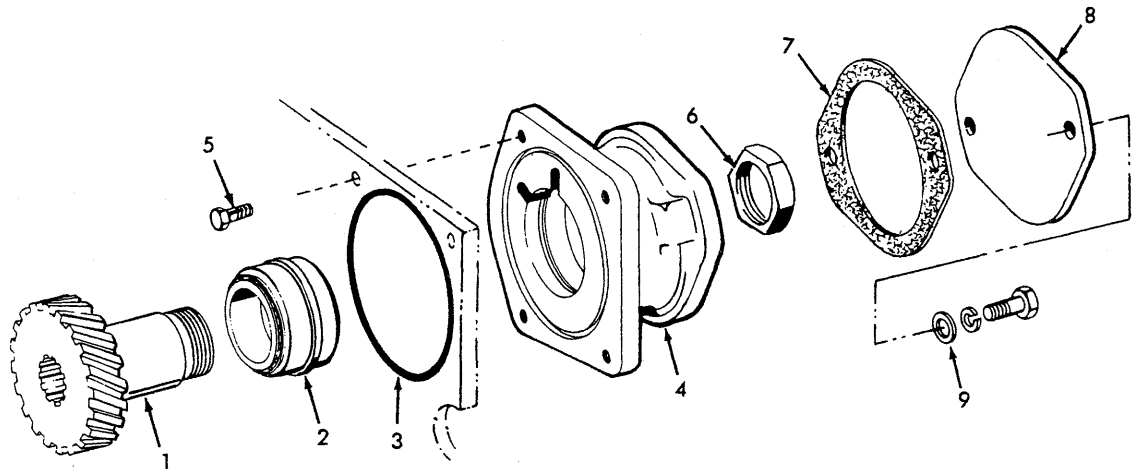
--	4021634	--	SET, gasket (incl. Items 3 & 7)
--	4021635	--	KIT, gasket (incl. Items 3 & 7)

FAN DRIVE SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
	245917	1	SHAFT ASSY., fan pusher (Incls. Items 1,3,4,5, & 8)
1	0245115-1	1	SHAFT, fan drive
2	0250218-5	1	BLADE ASSY., fan pusher
	245118	1	BLADE ASSY., fan
		4	921332 CAPSCREW, 5/16NC x 3/4
		4	917356 WASHER, lock, 5/16
3	0245117-7	1	HUB, fan
4	245114	2	BEARING ASSY., fan shaft (incl. 2 flanges, bearing, collar, & set screws)
		2	921333 CAPSCREW, 5/16NC x 1
		2	910335 WASHER, plain, 11/32 x 11/16 x 1/16
		2	917356 WASHER, lock, 5/16
		2	917372 NUT, 5/16NC
5	245748	2	WASHER, dust slinger
6	245113	1	BRACKET, fan bearing, rear
		2	921210 CAPSCREW, 3/8NC x 1
		2	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC
7	245091	1	BRACKET, fan shaft support
8	246084	1	PULLEY, fan drive
9	245120	1	BELT, alternator & fan drive
10	4021016	1	SPACER, bracket
11	4021015	1	SPACER, bracket

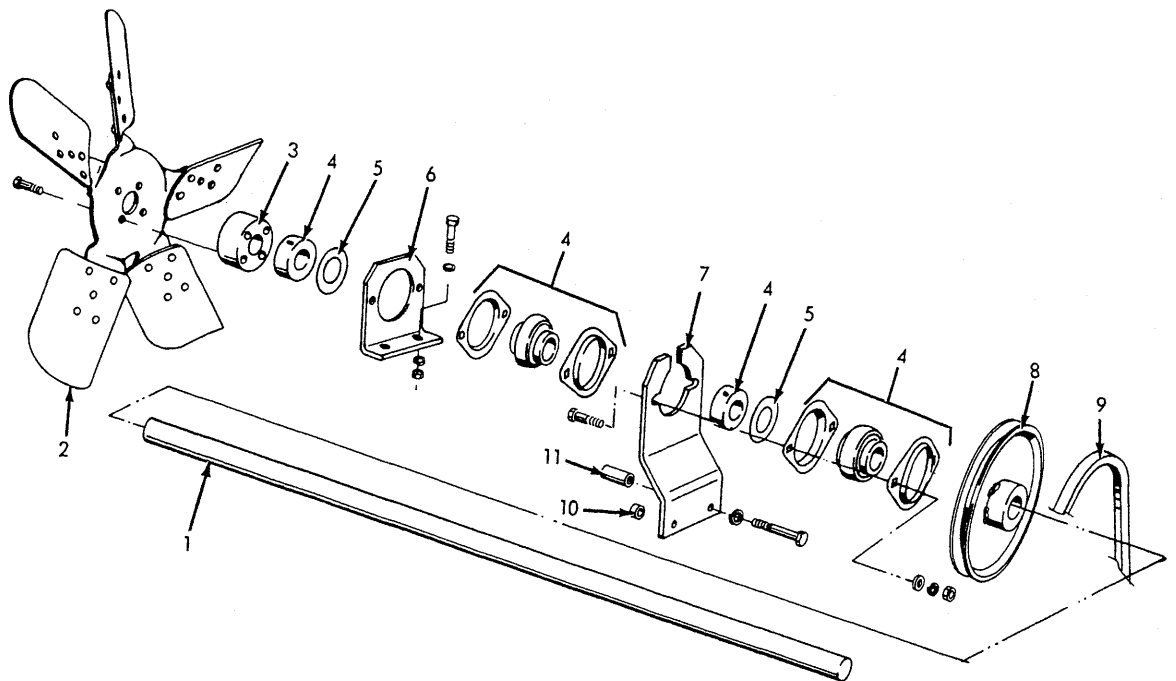
104-16

HYDRAULIC HOUSING & GEAR
Gasoline & Diesel



104-17

FAN DRIVE SHAFT



THERMOSTAT & HOUSING
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4020309	1	GASKET, housing, thermostat
2	4020498	1	HOUSING, thermostat
		1	915602 CAPSCREW, 7/16NC x 3-1/2
		1	919228 CAPSCREW, 7/16NC x 1-1/8, Gr. 5
		1	918199 WASHER, lock, 7/16
		1	921493 NIPPLE, 1/2 x 1-1/2
		1	0246015-2 ADAPTOR, 3/8 (replaces 920333)
		1	4335456 WASHER, Dynaseal
3	4025103	1	THERMOSTAT
4	4025101	1	GASKET, flange
5	4021152	1	FLANGE, water outlet
		2	920677 CAPSCREW, 7/16NC x 1-1/4, Gr. 5
		2	918199 WASHER, lock, 7/16
		2	914498 WASHER, plain, 15/32 x 3/4 x #20

ASSEMBLIES & PACKAGES

	4021851-3	--	KIT, gasket (incl. Items 1 & 4) (Incl. S/N 2G-09490)
--	4022948-6	--	KIT, gasket (incl. Items 1 & 4) (Prior to S/N 2G-09490)

THERMOSTAT & HOUSING
Diesel

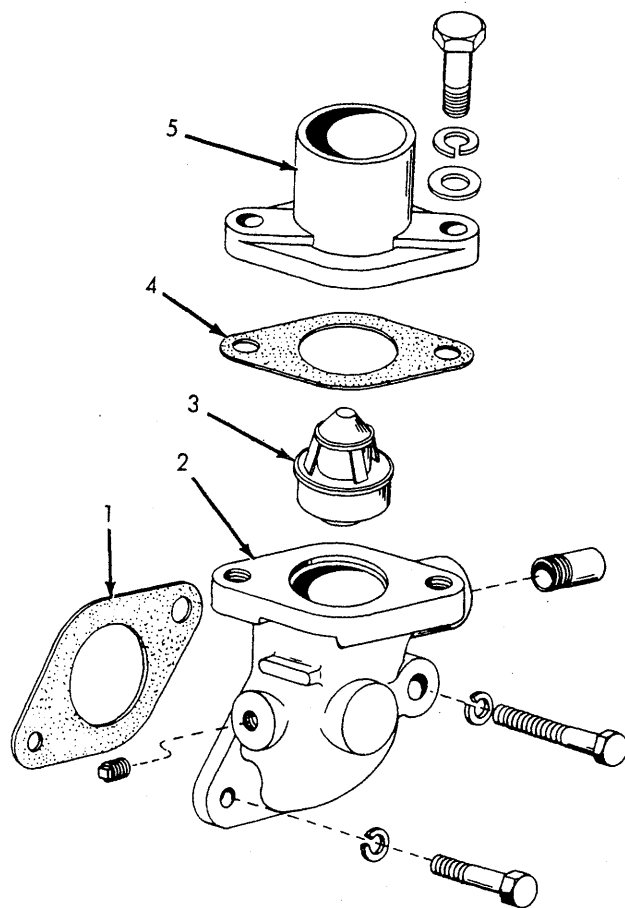
ITEM	NUMBER	QTY.	DESCRIPTION
1	4025101	1	GASKET, housing, thermostat
2	4020497	1	HOUSING, thermostat
		2	919228 CAPSCREW, 7/16NC x 1-1/8, Gr. 5
		2	918199 WASHER, lock, 7/16
		1	921493 NIPPLE, 1/2 x 1-1/2
		1	0246015-2 ADAPTOR 3/8 (replaces 920333)
3	4025103	1	THERMOSTAT
4	4025101	1	GASKET, flange
5	4021152	1	FLANGE, water outlet
		2	920677 CAPSCREW, 7/16NC x 1-1/4, Gr. 5
		2	918199 WASHER, lock, 7/16
		2	914498 WASHER, plain, 15/32 x 3/4 x #20

ASSEMBLIES & PACKAGES

	4021850-5		KIT, gasket (incl. Items 1 & 4) (incl. S/N 2D-22869 & up)
--	4022947-8	--	KIT, gasket (incl. Items 1 & 4) (Prior to S/N 22869)

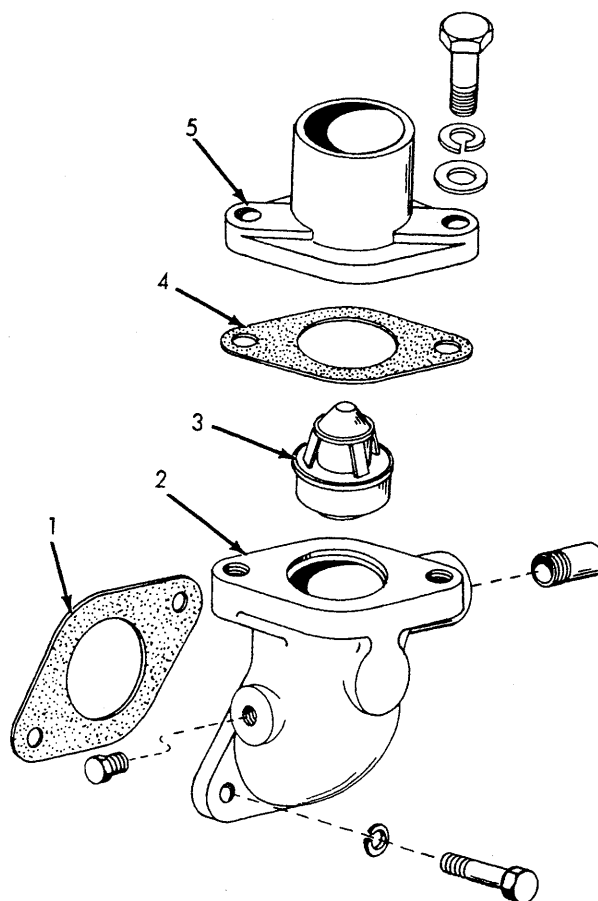
104-18

THERMOSTAT & HOUSING
Gasoline



104-19

THERMOSTAT & HOUSING
Diesel



WATER PUMP Gasoline & Diesel

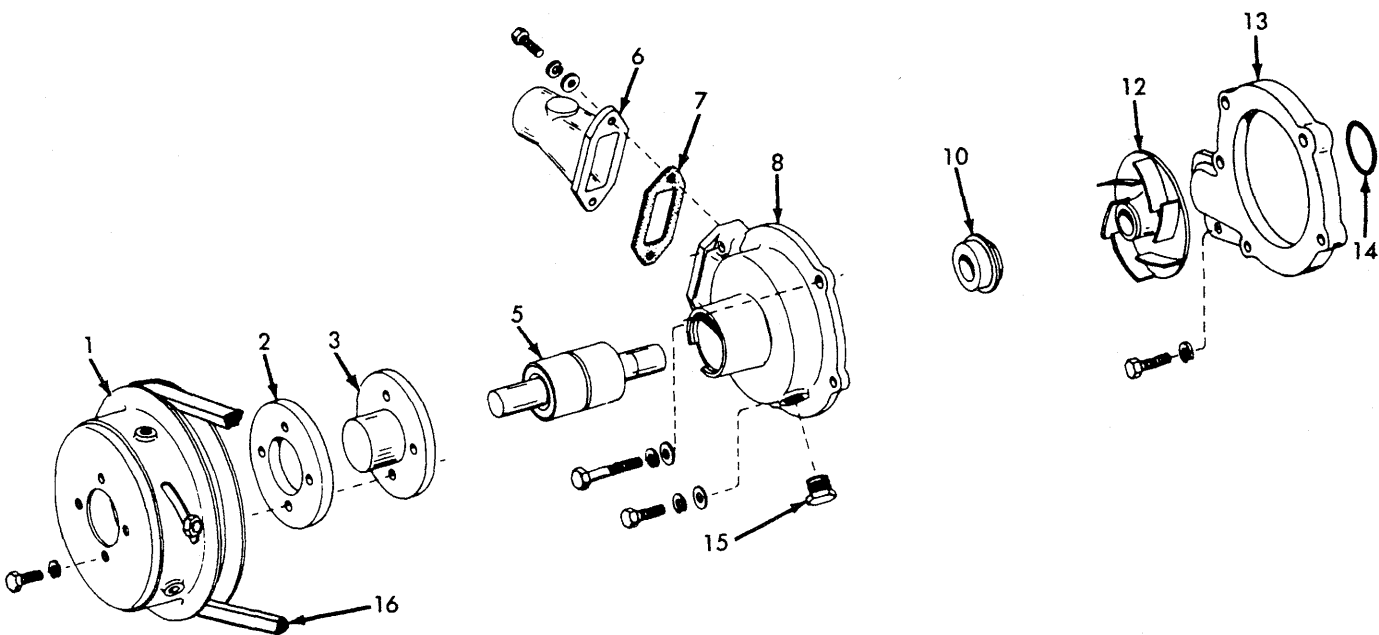
ITEM	NUMBER	QTY.	DESCRIPTION
-	4029130-4 (replaces 4026092)	1	PUMP ASSY., water (incl. Items 3, 4, 5, 8, 10, 11, & 12)
		2	922130 CAPSCREW, 3/8NC x 2-1/4, Gr. 5
		1	921972 CAPSCREW, 3/8NC x 2-1/2, Gr. 5
		1	923701 CAPSCREW, 3/8NC x 2, Gr. 5
		1	919224 CAPSCREW, 3/8NC x 1-1/8, Gr. 5
		5	916965 WASHER, lock, 3/8
		3	913544 WASHER, plain, 13/32 x 3/4 x #16
1	4021186	1	PULLEY, water
		4	920619 CAPSCREW, 3/8NF x 1-1/8, Gr. 5
		4	916965 WASHER, lock, 3/8
2	4020235	1	SPACER, pump pulley
3	4025068	1	HUB, pulley
4			
5	-----	1	SHAFT & BEARING ASSY
6	4020260	1	PIPE, water inlet
		2	921210 CAPSCREW, 3/8NC x 1, Gr. 5
		2	916965 WASHER, lock, 3/8
		2	913544 WASHER, plain, 13/32 x 3/4 x #16
7	4025106	1	GASKET, inlet pipe
8	-----	1	BODY, water pump (Not serviced)
9			
10	4025710	1	SEAL ASSY., water pump
11			
12	4025067	1	IMPELLER ASSY.
13	4025059	1	VOLUTE, water outlet housing
		3	919224 CAPSCREW, 3/8NC x 1-1/8, Gr. 5
		3	916965 WASHER, lock, 3/8
14	923684	1	O-RING
15	4026437	1	PLUG, by-pass (supersedes 226408)
16	237048	1	BELT, water pump drive
--	4026887-2	1	GASKET

ASSEMBLIES & PACKAGES

--	4021634	--	SET, gasket (incl. Items 7, 9, & 14)
--	4023220-9	--	KIT, gasket (incl. Items 7, 9, & 14) (replaces 4021635)
--	4025921	--	KIT, repair (incl. Items 4, 5, 9, 10, & 12)

104-20

WATER PUMP
Gasoline & Diesel



OIL PUMP
Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
--	4022581	1	PUMP ASSY., oil (incl. Items 1 thru 4, 6 thru 11)
1	-----	1	BODY, oil pump (not serviced)
2	4022736	1	RETAINER, spring, relief valve
3	4022597	1	SPRING, relief valve
4	232431	1	PISTON, relief valve
5	4255364	1	BOLT, oil pump
6	4026514	1	GEAR, pump drive
			1 919761 PIN, roll, 1/8 x 1-1/4
7	4020059	1	SHAFT, idler gear
8	4020063	1	SHAFT, oil pump drive
9	4020061	1	GEAR, idler
10	4020061-0	1	GEAR, driver
11	4022582	1	COVER, oil pump body
			6 923341 CAPSCREW, 1/4NC x 3/4, Gr. 5
			6 916964 WASHER, lock, 1/4
12	4020056	1	TUBE, oil discharge
			2 921331 NUT, 3/4NC
13	4022744	1	TUBE ASSY., suction
			2 923341 CAPSCREW, 1/4NC x 3/4, Gr. 5
			2 916964 WASHER, lock, 1/4
14	4022593	1	GASKET

OIL PAN
Gasoline & Diesel

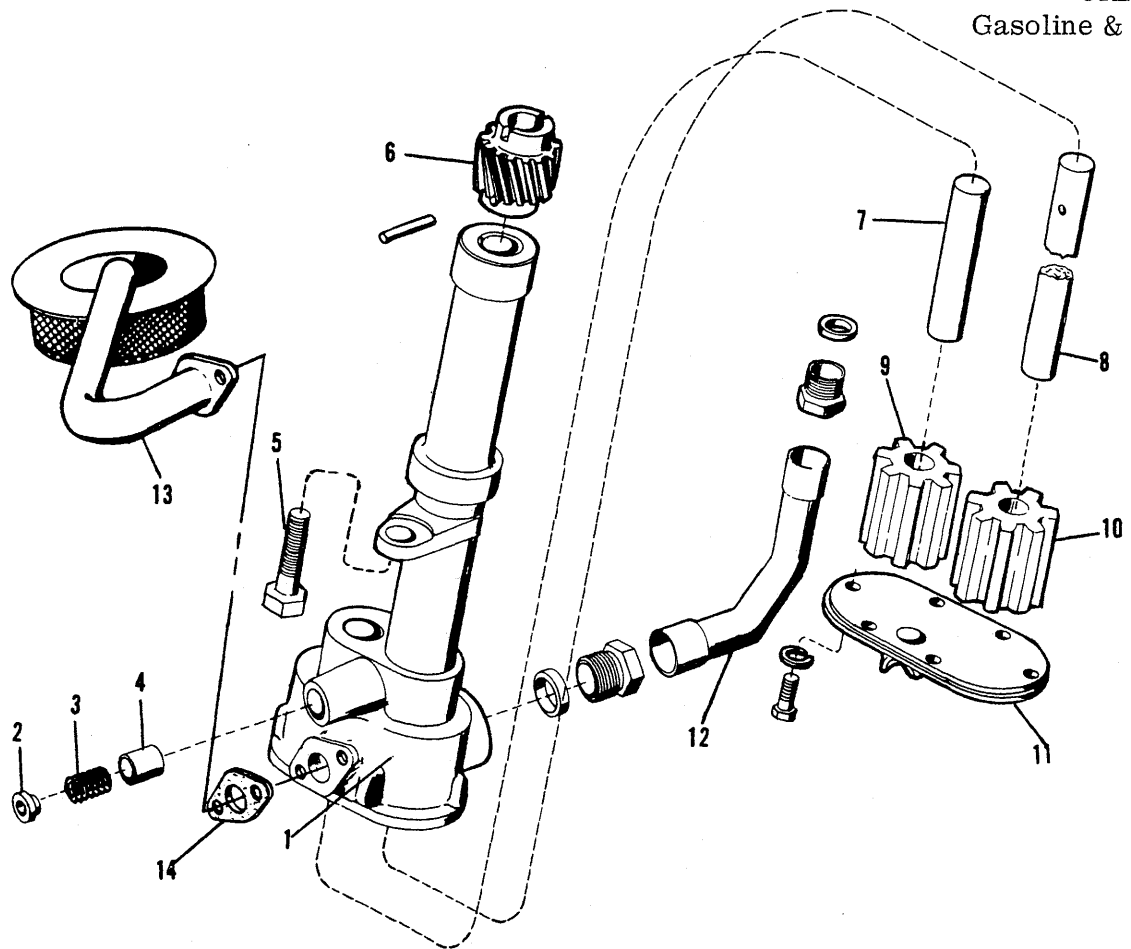
ITEM	NUMBER	QTY.	DESCRIPTION
1	4021021	1	GASKET, set, oil pan
2	4020231	1	OIL PAN
			18 915813 CAPSCREW, 5/16NC x 7/8, Gr. 5
			28 917365 WASHER, lock, 5/16
			4 921332 CAPSCREW, 5/16NC x 3/4, Gr. 5
			6 0921333-0 CAPSCREW 5/16NC x 1 0921373-0
3	0226012-3	1	GASKET, drain plug
4	0226408-3	1	PLUG, drain

ASSEMBLIES & PACKAGES

--	4021634	--	SET, gasket (incl. Item 3)
--	4023220-9	--	KIT, gasket (incl. Item 3) (replaces 4021635)

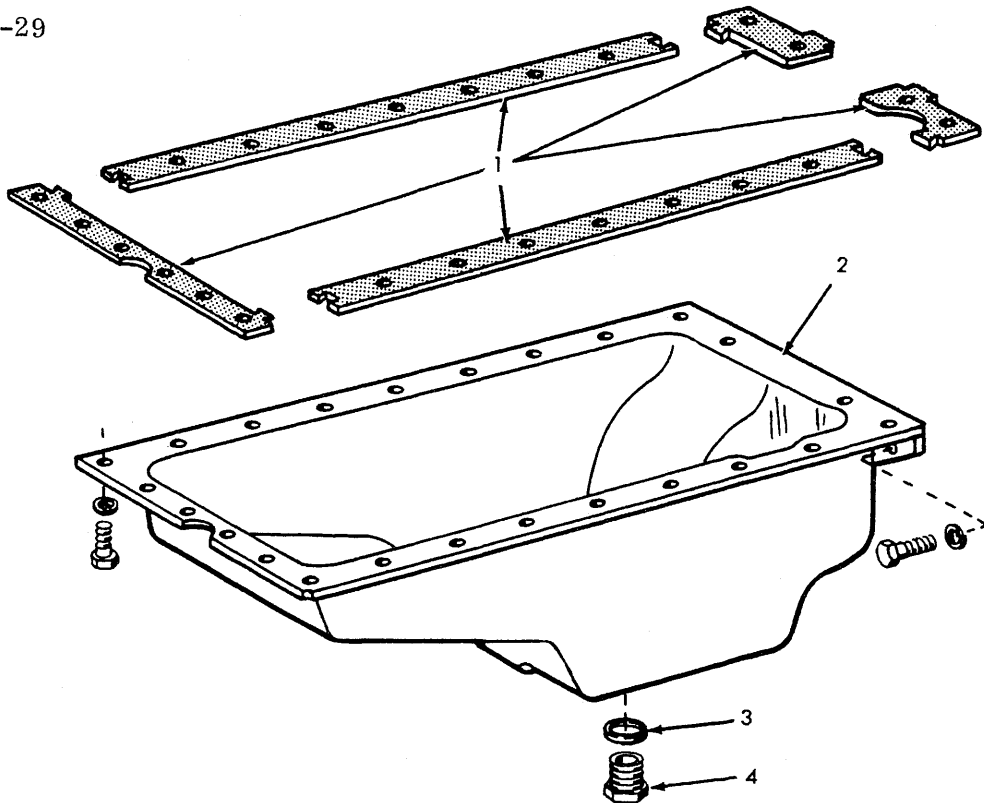
104-28

OIL PUMP
Gasoline & Diesel



104-29

OIL PAN
Gasoline & Diesel



OIL FILTER
Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4027979-6	1	FILTER, lube oil (replaces 4513411)
			1 ----- TRANSFER, instructions
2	4025119	1	BASE, oil filter
		2	924891 CAPSCREW, 7/16NC x 3-1/4, Gr. 5
		1	920677 CAPSCREW, 7/16NC x 1-1/4, Gr. 5
		3	918199 WASHER, lock, 7/16
		3	914498 WASHER, plain, 15/32 x 3/4 x #20
3	4025120	1	GASKET, base

ASSEMBLIES & PACKAGES

--	4021634	--	SET, gasket (incl. Item 3)
--	4023220-9	--	KIT, gasket (incl. Item 3) (replaces 4021635)

FUEL PUMP
Gasoline

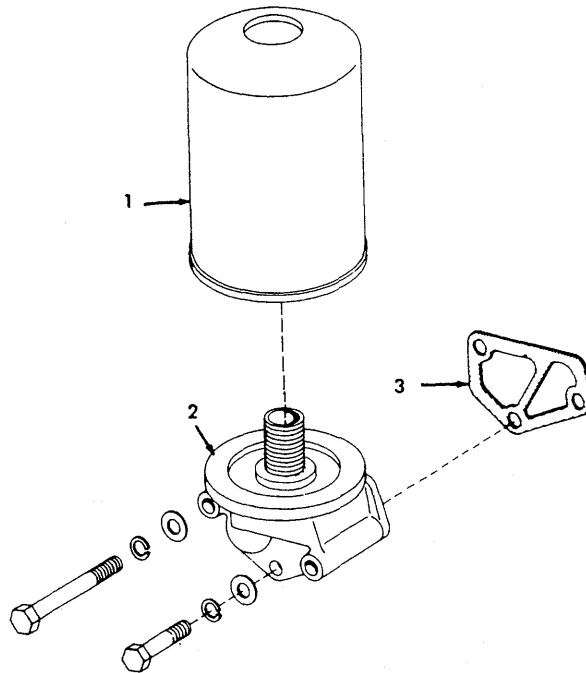
ITEM	NUMBER	QTY.	DESCRIPTION
--	4058966	1	PUMP ASSY., fuel (incl. Items 1 thru 14)
		2	921333 CAPSCREW, 5/16NC x 1, Gr. 5
		2	911421 WASHER, plain, 11/32 x 3/4 x #16
		2	917356 WASHER, lock, 5/16
		1	913535 CONNECTOR, 1/4
1	4056469	1	COVER, valve housing
2	-----	1	AIRDOME, diaphragm outlet
3	-----	1	SCREEN, strainer
4	4056473	6	SCREW ASSY., housing
5	4058972	1	HOUSING, valve assy.
6	4056470	2	SCREW ASSY., cover
7	4058967	1	DIAPHRAGM ASSY.
8	-----	1	BODY, fuel pump
9	4056500	1	GASKET, fuel pump
10	4056471	1	SPRING, lever
11	-----	1	SPRING, pin
12	4056472	1	LEVER, cam
13	-----	1	PLUG, cam lever shaft
14	4056474	1	PIN, cam lever

ASSEMBLIES & PACKAGES

--	4023220-9	--	KIT, gasket (incl. Item 9) (replaces 4021635)
--	4058971	--	KIT, repair (incl. Items 2, 3, 7, 9, 11, & 13)

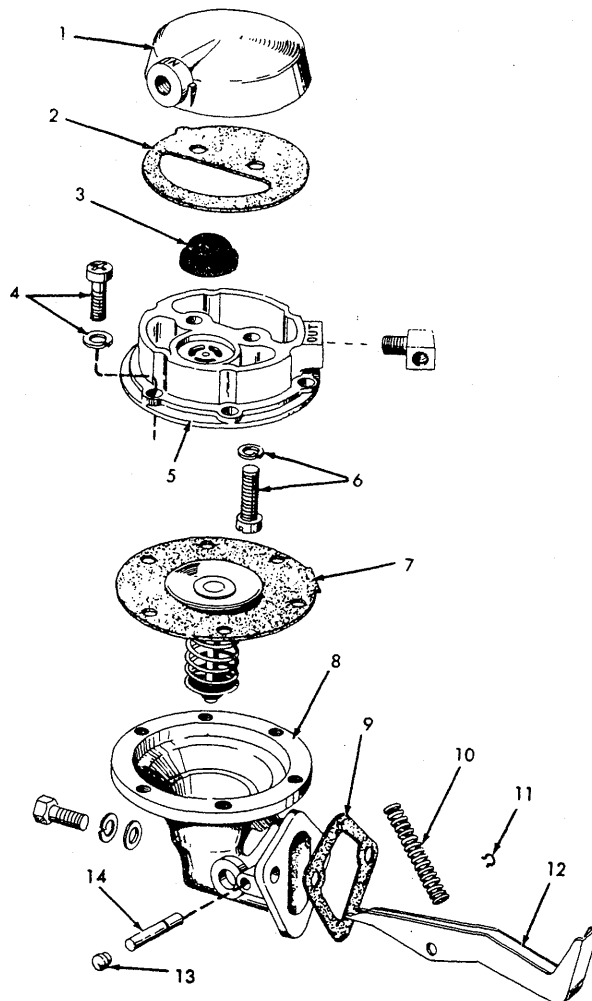
104-30

OIL FILTER
Gasoline & Diesel



104-31

FUEL PUMP
Gasoline



GOVERNOR
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4021155	1	COVER ASSY., governor (incl. Item 3)
		2	920415 CAPSCREW, 3/8NC x 1-1/4, Gr. 5
		2	913544 WASHER, plain, 13/32 x 3/4 x #16
		2	916965 WASHER, lock, 3/8
2	4020367	1	GASKET, cover
3	4049800	1	BUSHING, cover
4	4020368	1	BEARING, thrust
5	4022288	1	GOVERNOR WEIGHT ASSY., (incl. Items 6 thru 10)
6	4512412	2	WEIGHT, governor
7	4052732	2	PIN, weight
8	4052739	2	RING, retaining
9	4020372	1	SLEEVE ASSY., weight
10	4022289	1	GEAR, drive
11	4023247-2	1	BEARING, weight (replaces 4021151)
12	4507158	2	BEARING, yoke shaft
13	4253653	2	RING, retaining
14	4020365	1	YOKE, governor
15	4041829	1	SCREW & WASHER, lock, ASSY.
16	4020364	1	SHAFT, yoke
17	4253653	1	RING, retainer
18	4021217	1	SEAL, oil (incl. Item 17)
19	4020369	1	LEVER, throttle
		1	916872 PIN, roll, 5/32 x 3/4
20	4020370	1	SPRING ASSY., governor throttle
21	4020670	1	SCREW, adjusting governor (see note)
		1	910267 NUT, jam, 1/4NF
22	248725	1	BRACKET, governor control (see note)
		2	921965 CAPSCREW, 3/8NC x 3/4, Gr. 5
		2	916965 WASHER, lock, 3/8

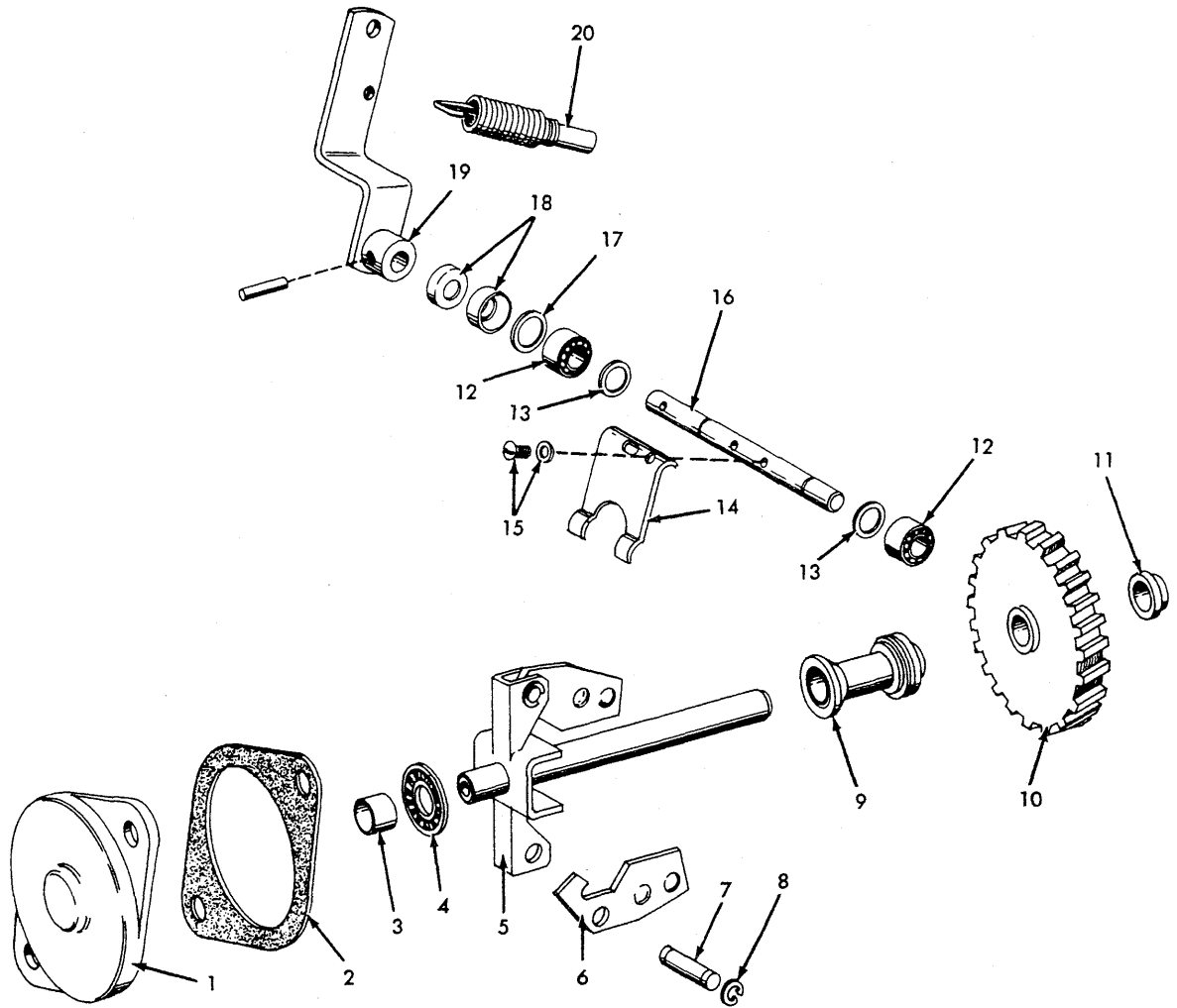
NOTE: Items 21 & 22 not illustrated - are used with throttle control.

ASSEMBLIES & PACKAGES

--	4023220-9	--	KIT, gasket (incl. Item 2) (replaces 4021635)
----	-----------	----	---

104-32

GOVERNOR
Gasoline



IGNITION
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	0923563-1	1	O-RING, oil seal (replaces 4020795)
2	4020814	1	CLAMP, distributor
3	4255060	1	CAPSCREW, clamp, 3/8NC x 1
4	4020815	1	DISTRIBUTOR, 12-volt (Delco-Remy No. 1112665) (See Distributor for component parts)
5	4514968	1	BRACKET, coil mounting
		2	916277 CAPSCREW, 5/16
		2	917356 WASHER, lock, 5/16
		2	911421 WASHER, plain, 11/32 x 3/4 x #16
6	4514967	1	COIL, ignition (12-volt) (incl. Item 5)
7	4058897	4	PLUG, spark (Champion, type N-6)
	4058896	4	PLUG, spark (Auto-Lite, type AG3-A)
8	4255000	4	NIPPLE, spark plug end
9	4020674	1	CABLE ASSY., (incl. Items 8 & 14) (#1 cylinder)
10	4020675	1	CABLE ASSY., (incl. Items 8 & 14) (#2 cylinder)
11	4255570	1	NIPPLE, coil end
12	4020673	1	CABLE ASSY., coil (incl. Items 11 & 14)
13	4020676	2	CABLE ASSY., (incl. Items 8 & 14) (#3 & #4 cylinders)
14	4511153	5	NIPPLE, cables, distributor end
15	241266	1	*RESISTOR
		1	923341 *CAPSCREW, 1/4NC x 3/4
		1	916964 *WASHER, lock, 1/4
		1	916622 *NUT, 1/4NC
		1	920504 *CLIP, closed, plain, #6 x 3/8
		1	924648 *CLIP
16	0243188-0	1	*WIRE ASSY., magnetic switch to resistor, to coil

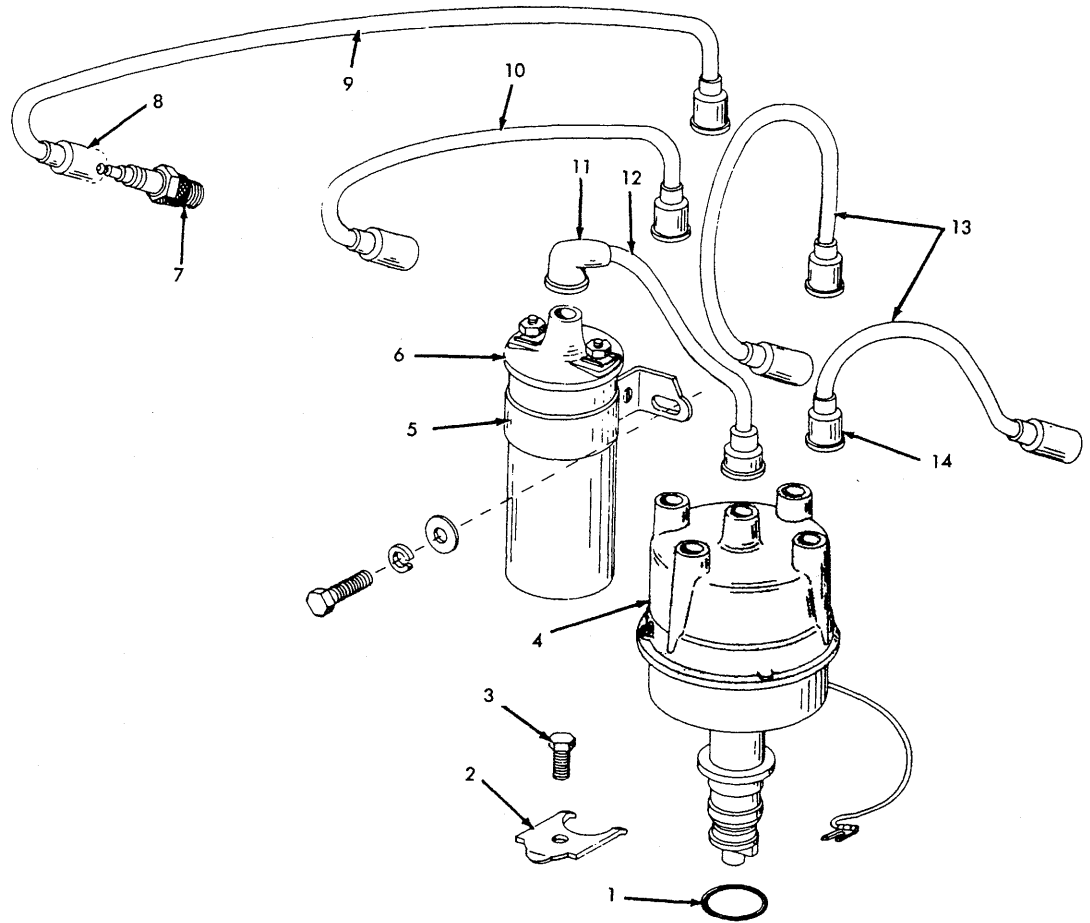
* Not Illustrated

ASSEMBLIES & PACKAGES

-- 4023220-9 -- KIT, gasket (incl. Item 1)

104-33

IGNITION
Gasoline

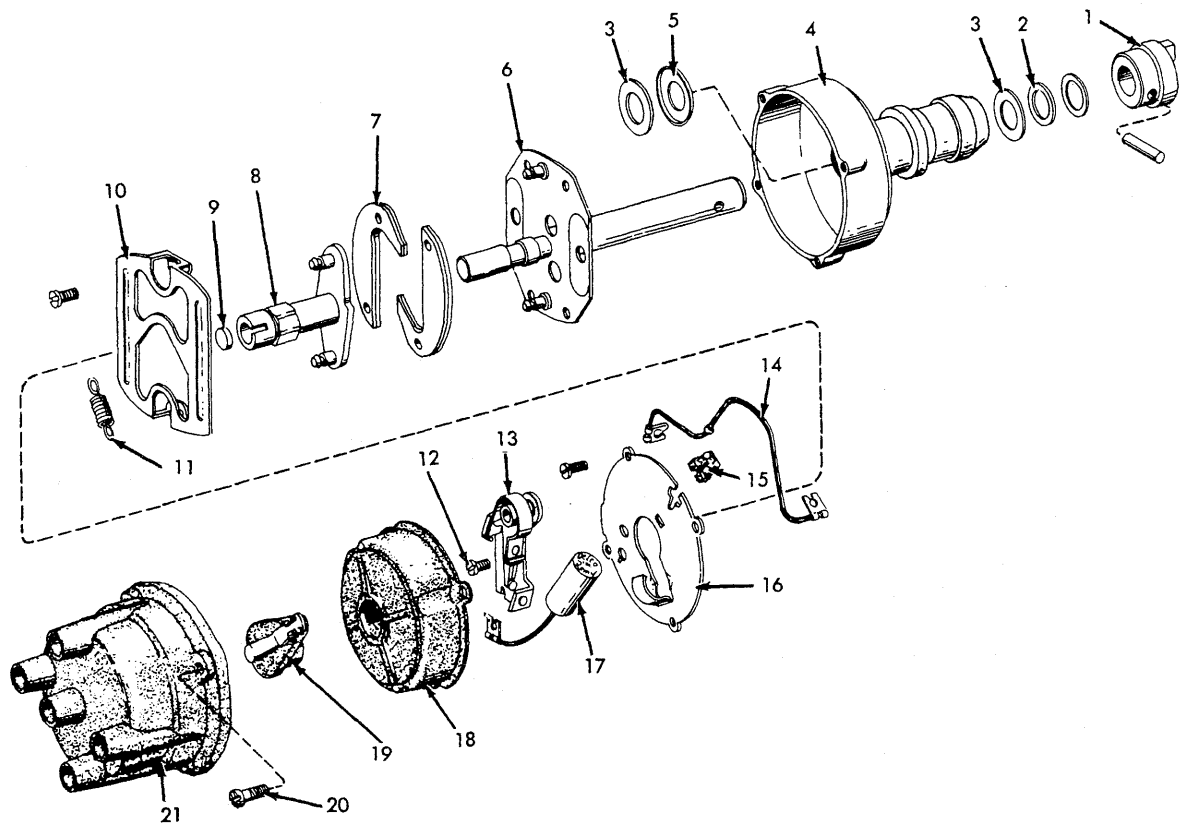


DISTRIBUTOR
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
--	4020815	1	DISTRIBUTOR ASSY., (Delco-Remy #1112665)
1	4044339	1	COUPLING, drive
		1	916202 PIN, roll, 1/8 x 7/8
2	4042660	*	SHIM, washer, shaft (.005")
	4050123	*	SHIM, washer, shaft (.010")
3	4042670	2	WASHER, spacer
4	-----	1	HOUSING, distributor (not serviced separately) (order 4020815 Assy.) (incl. Item 5)
5	4058879	1	SEAL, housing
6	4058877	1	MAIN SHAFT & WEIGHT PLATE
7	4044493	4	WEIGHT, cam advance
8	4058878	1	CAM, advance & breaker
9	4056687-9	1	WICK, cam
10	4056708-3	1	PLATE, weight hold-down
		2	914684-6 SCREW, machine, #8NC x 1/4
		2	917395 WASHER, lock, #8
11	4056691	2	SPRING, weight
12	4050086-0	1	SCREW, contact adjusting
13	4056705-5	1	CONTACT SET
14	4056710-5	1	LEAD, primary
15	4056711-7	1	GROMMET, HOUSING, LEAD WIRE
16	4056703-4	1	PLATE, breaker
		2	917393 SCREW, #8NC x 3/8
17	4042760	1	CONDENSER
18	4056699-4	1	COVER, housing
19	4056700-0	1	ROTOR, distributor
20	4255579	1	SCREW, distributor cap
	4255580	1	SCREW, distributor cap
21	4058876-6	1	CAP, distributor (incl. Item 20 & button)

104-21

DISTRIBUTOR
Gasoline



FUEL FILTER
 Diesel

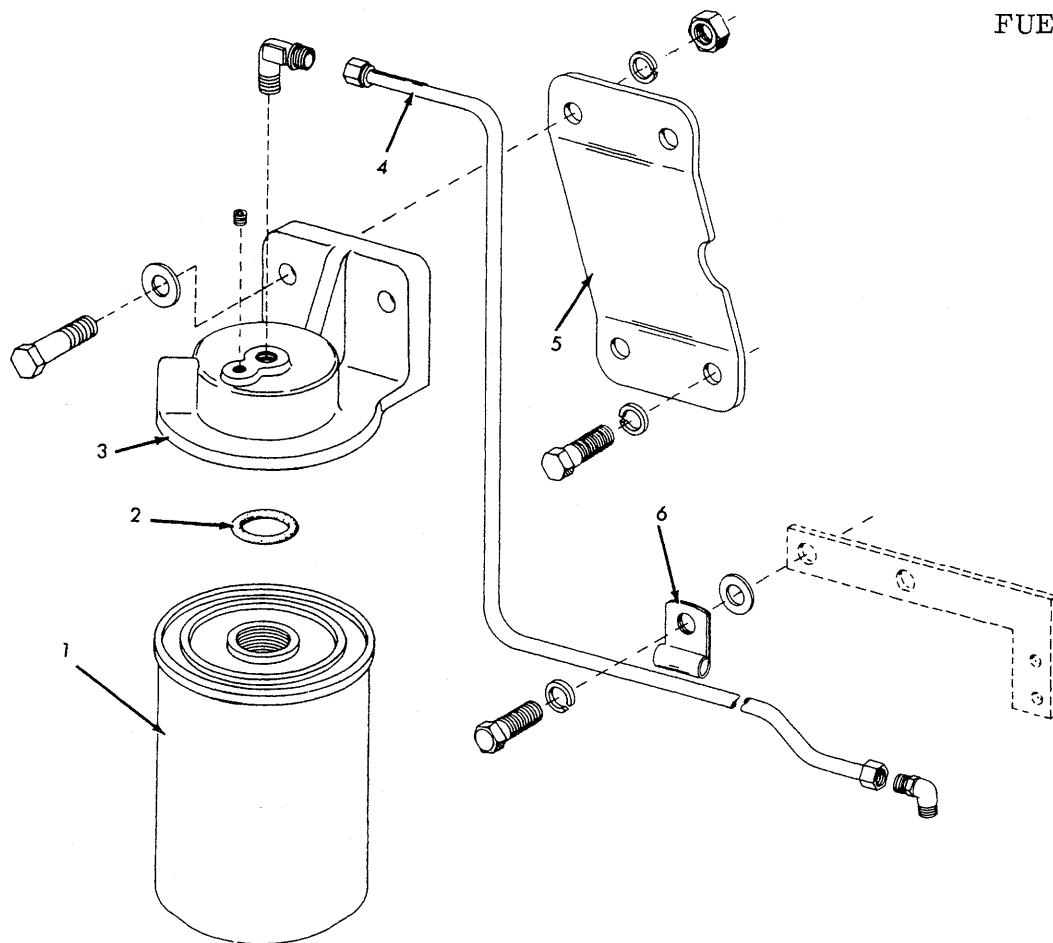
ITEM	NUMBER	QTY.	DESCRIPTION
	4028945-6		
1	4025229-8	1	ELEMENT, fuel filter (incl. Item 2) (replaces 4025230)
			1 4029143-7 DECAL
2	923934	1	O-RING, filter
3	4025229	1	BASE ASSY., fuel filter (incl. insert)
			2 920677 CAPSCREW, 7/16NC pltd. x 1-1/4, Gr. 5
			2 914498 WASHER, plain, 15/32 x 3/4 x #20
			2 918199 WASHER, lock, pltd., 7/16
			2 918213 NUT, pltd., 7/16NC
			1 919134 PLUG, pipe, 1/8
4	4022642	1	TUBE ASSY., filter to pump (incl. nuts & sleeves)
			2 917807 SLEEVE, 3/8
			2 917810 NUT, 3/8
			1 920280 ELBOW, 3/8 (at pump)
			1 919005 ELBOW, 3/8 (filter end)
5	4020376	1	PLATE, mounting, filter base
			2 916222 CAPSCREW, 7/16NC x 3/4, Gr. 5
			2 918199 WASHER, lock, pltd., 7/16
6	4020392	1	CLIP, tube support
			1 920676 CAPSCREW, 7/16NC pltd. x 1
			1 918199 WASHER, lock, pltd., 7/16

FUEL INJECTION PUMP
 Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4021759	1	PUMP ASSY., injection (refer to Injection Pump for component parts)
2	4048596	1	SEAL, pilot
3	4022324	1	GEAR, pump drive
4	4371718	2	WASHER, pump stud
			1 917372 NUT, pltd., 3/8NF

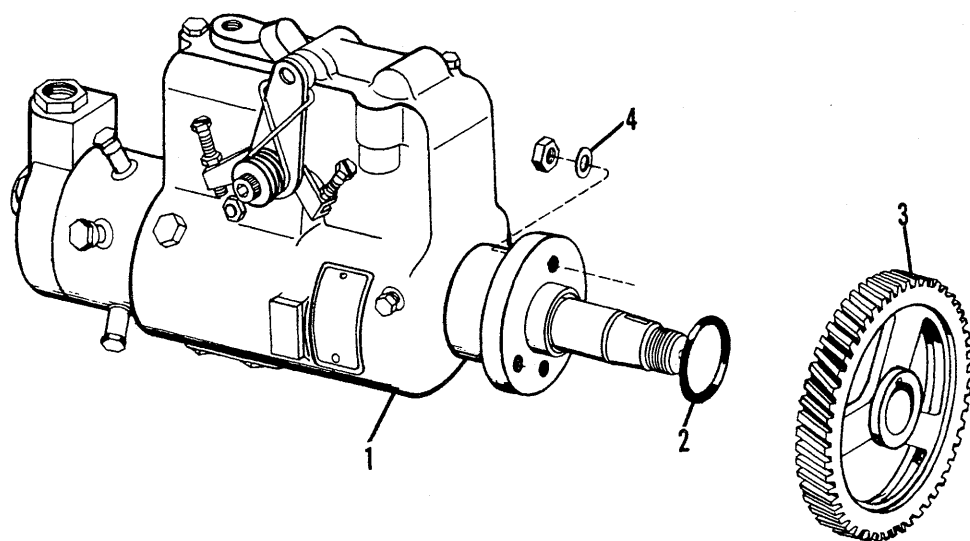
104-22

FUEL FILTER
Diesel



104-23

FUEL INJECTION PUMP
Diesel



NOZZLE HOLDER & INJECTION LINES

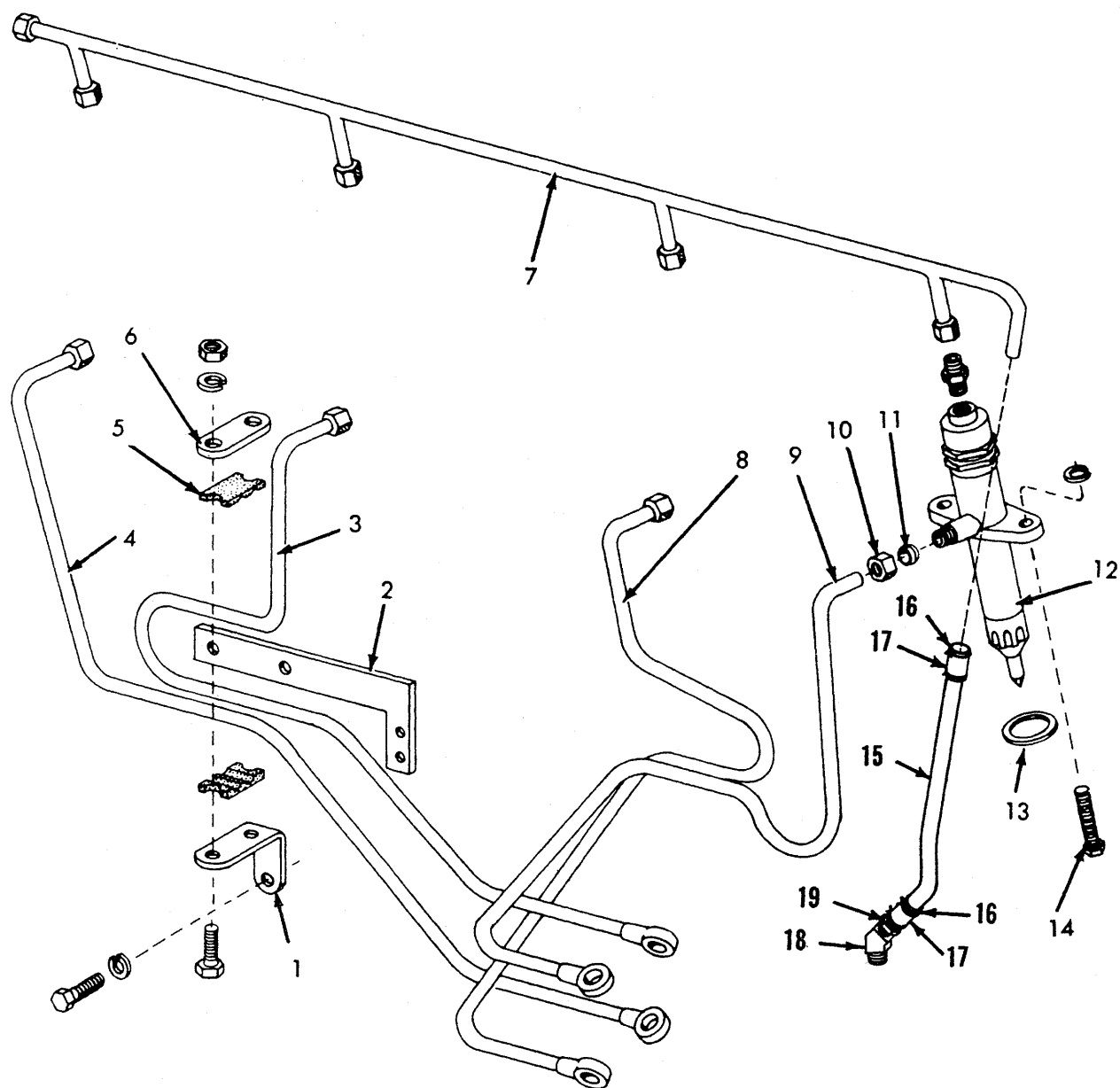
Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4020525	2	BRACKET, injection line support
		1	921965 CAPSCREW, 3/8NC pltd. x 3/4, Gr. 5
		1	916965 WASHER, lock, pltd., 3/8
2	248718	1	BRACKET, tube support
		1	920676 CAPSCREW, 7/16NC pltd. x 1, Gr. 5
		1	918199 WASHER, lock, pltd., 7/16
		1	911998 WASHER, plain, 15/32 x 1 x #10
3	4021342	1	TUBE ASSY., injection (#3 cylinder)
4	4021343	1	TUBE ASSY., injection (#4 cylinder)
5	4507358	4	SPACER, line clamp
6	4507414	2	CLAMP, line bracket
		4	921961 CAPSCREW, 1/4NC pltd. x 1-1/4, Gr. 5
		4	916964 WASHER, lock, pltd., 1/4
		4	916622 NUT, pltd., 1/4NC
7	4022631	1	TUBE, drip manifold (incl. nuts & sleeves)
		5	917809 NUT, 1/4
		5	917806 SLEEVE, 1/4
		4	919800 CONNECTOR, 1/4
8	4021341	1	TUBE ASSY., injection (#2 cylinder)
9	4021340	1	TUBE ASSY., injection (#1 cylinder)
10	4504409	4	NUT, injection line
11	4501149	4	SLEEVE, injection line
12	4022901-5	4	HOLDER ASSY., injection nozzle (refer to Holder Assy. for component parts) (replaces 4021255)
13	4025385	8	SHIELD, dust
14	922127	8	CAPSCREW, 5/16NC pltd. x 1-3/4, nozzle holder
		2	917356 WASHER, lock, pltd., 5/16
15	4021385	1	TUBE ASSY., fuel return
16	0927450	4	CLAMP (replaces 4255203)
17	4514780	2	HOSE
18	920655	1	ELBOW, st. 45°
19	910123	1	NUT, 3/8NC

ASSEMBLIES & PACKAGES

--	4021850-5	--	KIT, gasket (incl. Item 13) (Incl. S/N 2D-22869 & up)
--	4022947-8	--	KIT, gasket (incl. Item 13) (Prior to S/N 2D-22869)

104-24

NOZZLE HOLDER & INJECTION LINES
Diesel

INJECTION PUMP COMPONENTS

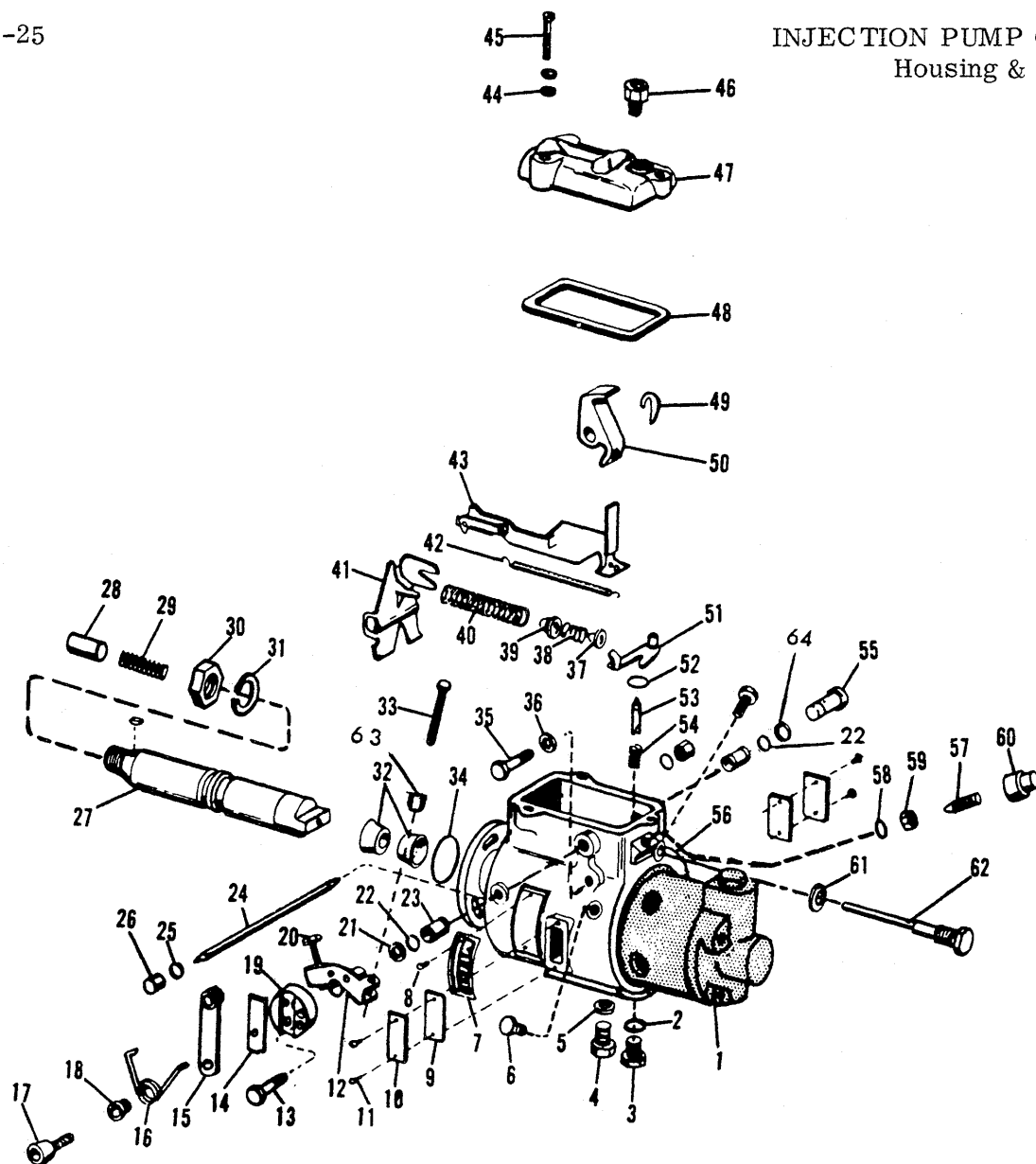
Housing & Drive - Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
--	4021759	1	PUMP ASSY., fuel injection (D-2200)
1	-----	1	SEE Transfer Pump, Head & Rotor Group
2	*4369595	1	SEAL, head locating screw
3	4052742	1	SCREW, head locating
4	4051374	1	SCREW, cam locating
5	4369452	1	WASHER, cam locating screw
6	4048610	2	SCREW, head locking
7	4369428	1	PLATE, name
8	4369429	2	SCREW, name plate
9	*4048604	2	GASKET, timing line cover
10	4048603	2	COVER, timing line
11	4048605	4	SCREW, cover
12	4056488	1	SHAFT ASSY., throttle
13	4056485	2	SCREW, spacer retainer
14	4056486	2	ARM, adjusting
15	4054594	2	LEVER ASSY., shut-off throttle
16	4051413	2	SPRING, lever
17	4056487	2	SCREW, retaining
18	4051412	2	RETAINER, spring
19	4056484	2	SPACER, adjusting throttle & shut-off shaft
20	4058950	1	SCREW, high idle, adjusting
21	*4369878	2	SEAL, throttle & shut-off shaft
22	*4053375	2	WASHER, throttle & shut-off shaft
23	4055442	2	BUSHING, throttle & shut-off shaft
24	4048636	1	SHAFT, governor arm pivot
25	*4050910	2	SEAL, pivot shaft
26	4048642	2	NUT, pivot shaft
27	4053204	1	SHAFT, drive
		1	910224 KEY, woodruff, 5/32 x 5/8
28	4059241	1	BUTTON, thrust
29	4048600	1	SPRING, thrust button
30	4048597	1	NUT, drive shaft
31	4048598	1	WASHER, lock, drive shaft
32	*4052540	2	SEAL, drive shaft
33	4048645	1	SCREW, throttle, low idle, adjusting
34	*4048596	1	SEAL, pilot
35	4051833	1	PLUG, torque screw hole
36	*4369432	1	WASHER, torque screw hole
37	4048627	1	GUIDE, idling spring
38	4049533	1	SPRING, idling
39	4048635	1	RETAINER, spring
40	4050179	1	SPRING, governor control
41	4053589	1	ARM, governor
42	4048624	1	SPRING, governor linkage
43	4052156	1	HOOK ASSY., governor linkage
44	4053267	3	WASHER, control cover
45	4053266	3	SCREW, control cover
		1	906957 WASHER, lock, #10
46	4059237	1	CONNECTOR, return line
47	4051002	1	COVER, governor control
48	*4048630	1	GASKET, control cover
49	4048639	1	CAM, shut-off

104-25

INJECTION PUMP COMPONENTS

Housing & Drive - Diesel



ITEM	NUMBER	QTY.	DESCRIPTION
50	4049532	1	LEVER, throttle shaft
51	4054579	1	ARM ASSY., metering valve
52	4052915	1	SHIM, metering valve
53	4051498	1	VALVE, metering
54	4051502	1	SPRING, metering valve
55	4056490	1	SHAFT, shut-off
56	4055015	1	HOUSING ASSY., (incl. Item 23)
57	4054582	1	SCREW, torque
58	*4369878	1	SEAL, torque screw
59	4054583	1	NUT, torque screw
60	4052917	1	CAP, torque screw
61	*4048650	1	WASHER, stud guide
62	4051378	1	STUD guide
63	4051409	4	NUT, lock
64	4048632	2	SCREW, shut-off, arm adjusting
--	4059276	1	KIT, gasket (incl. all Numbers marked *)

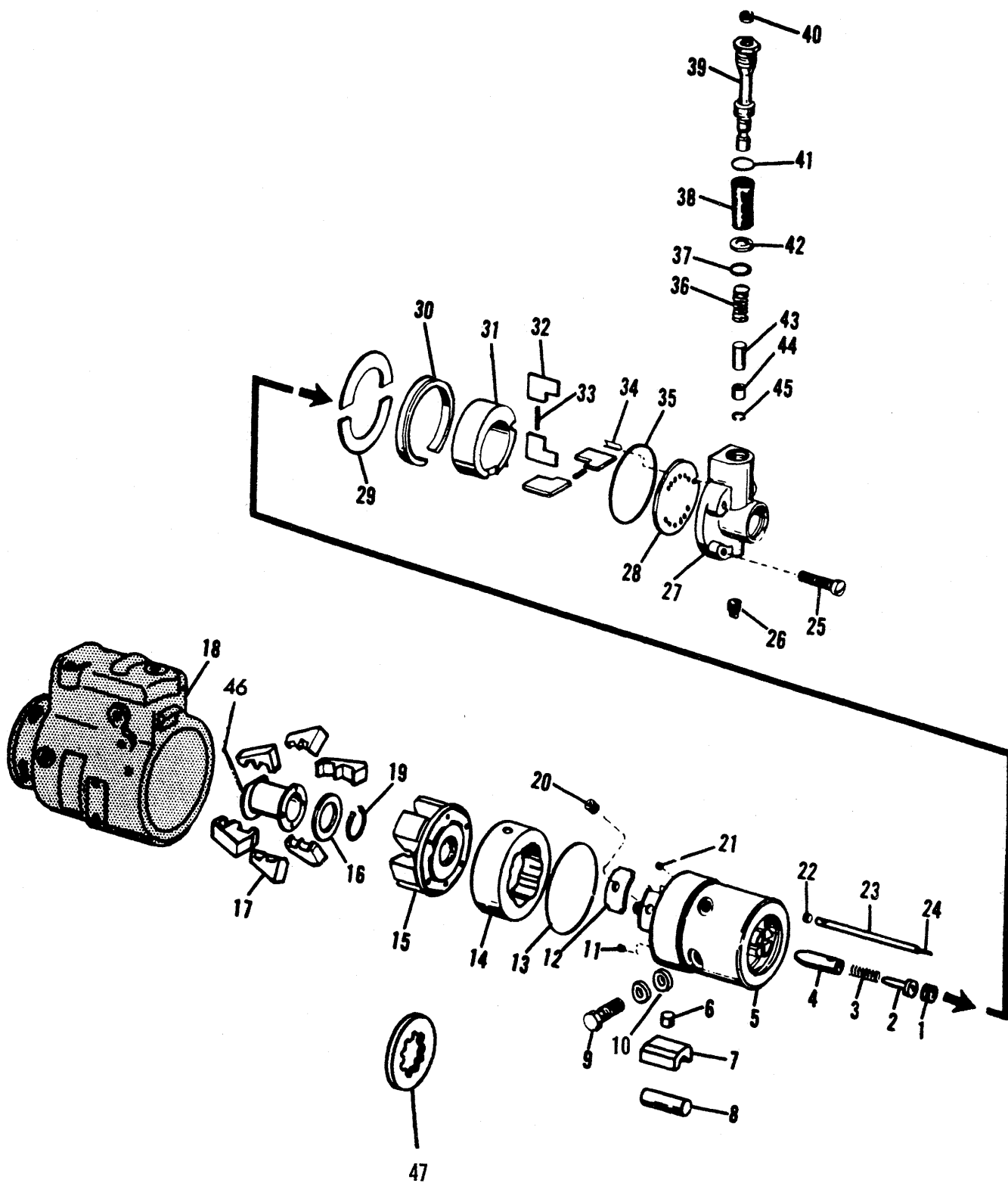
INJECTION PUMP COMPONENTS

Transfer Pump, Head & Rotor - Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4052538	1	SCREW, retaining (delivery valve)
2	4056590	1	STOP, delivery valve
3	4051379	1	SPRING, delivery valve
4	4051380	1	VALVE, delivery
5	4058833	1	HEAD & ROTOR ASSY., hydraulic (incl. rotor Items 6, 21, 22, 23, & 24)
6	4055928	2	PLUNGER, rotor
7	4048608	2	SHOE, cam roller
8	4369436	2	ROLLER, cam
9	4369451	6	SCREW, fuel line connection
10	4027748	12	WASHER, fuel line
11	4051381	1	PLUG, hydraulic head
12	4054037	1	SPRING, leaf
13	*4369444	1	SEAL, hydraulic head
14	4058832	1	CAM, ring
15	4059596	1	RETAINER, governor weight
16	4048620	1	WASHER, thrust
17	4053385	6	WEIGHT, governor
18	-----	1	SEE Housing & Drive Group (Item 56)
19	4253433	1	RING, retainer, governor weight
20	4053362	1	SCREW, leaf spring, adjust
21	4051388	1	PLUG, hydraulic head
22	4051381	1	PLUG, hydraulic head
23	4052541	1	RETAINER, vent wire
24	4051387	1	WIRE, vent
25	4050912	4	SCREW, end plate
		1	4053267 WASHER, plain
		1	906957 WASHER, lock, #10
26	*4055966	1	PLUG, end plate pipe
27	4055965	1	PLATE, end
28	4055959	1	PLATE, thrust
29	4051385	2	RETAINER, rotor
30	4051386	1	RING, rotor retainer
31	4051376	6	LINER, transfer pump
32	4059733	4	BLADE, transfer pump
33	4055958	2	SPRING, transfer pump
34	4369592	1	PIN, roll, locating
35	*4050417	1	SEAL, transfer pump
36	4055892	1	SPRING, regulating
37	*4369595	1	RING, sleeve seal
38	4055961	1	ELEMENT, filter
39	4059221	1	SLEEVE, end plate
40	4055960	1	PLUG, ASSY., end plate, adjusting
41	*4369599	1	SEAL, end plate sleeve
42	*4055962	1	SEAL, element
43	4369596	1	PISTON, regulating
44	*4059134	1	SEAL, regulating piston
45	-----	1	RING, retaining (order Item 44)
46	4053590	1	SLEEVE, thrust
47	4059575	1	RING, flexible retainer
--	4059276	1	KIT, gasket (incl. all Numbers marked *)

104-26

INJECTION PUMP COMPONENTS Transfer Pump, Head & Rotor - Diesel



NOZZLE HOLDER ASSEMBLY

Diesel

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

NOTE: Quantities listed below are for one holder assembly only.

--	4022901-5	1	HOLDER ASSY., nozzle (incl. Items 1 thru 10) (replaces 4021255)
1	4021227	1	NUT, cap
2	4511243	2	GASKET, capnut
3	4378033	1	SCREW, pressure adjusting
4	4511213	1	NUT, lock
5	4380652	1	SPRING, pressure adjusting
6	4025148	1	ROD, spindle
7	-----	1	BODY, nozzle holder (not serviced separately) (order Nozzle Assy.)
8	4025149	2	PIN, dowel
9	4022900-7	1	NOZZLE ASSY., (incl. Item 11)
10	4025146	1	NUT, nozzle retaining
11	4025150	1	GASKET, nozzle holder to cylinder head

ASSEMBLIES & PACKAGES

--	4021850-5	--	KIT, gasket (incl. Item 10) (Incl. S/N 2D-22869 & up)
--	4022947-8	--	KIT, gasket (incl. Item 10) (Prior to S/N 2D-22869)

HAND PRIMER PUMP ASSEMBLY

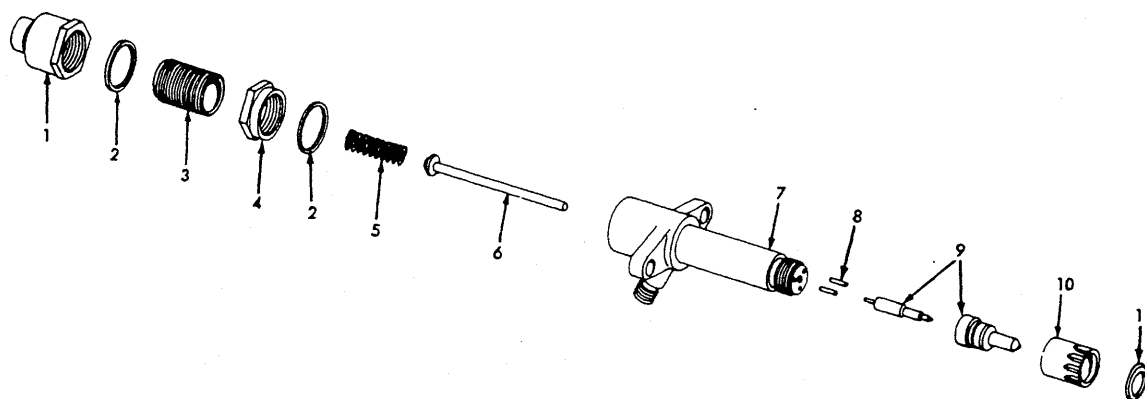
Diesel

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

--	4023574-9	1	PUMP ASSY., hand primer (replaces 4368977)
		1	901826 BUSHING, 3/8 x 1/4
		1	901478 NIPPLE, 1/4 x 7/8
		1	910279 ELBOW, 5/16 tube x 1/4PT
		1	917955 PLUG, plastic, 7/16
1	-----	1	BODY, pump (not serviced separately) (order 4368977 Assy.)
2	4060695-6	1	GASKET, valve (replaces 4050636)
3	4050638	1	SPRING, valve retainer
4	4048649	1	SEAL, valve nut (inner)
5	4050645	1	RING, seal, valve nut
6	4054540	1	NUT, valve
7	4050637	2	VALVE, primer pump
8	4053035	1	SEAL, piston
9	4053037	2	GUIDE, plunger
10	4053036	1	PLUNGER, pump
11	4050646	1	CLAMP ASSY., (incl. screw & wire)
12	4059620	1	CAP, plunger guide

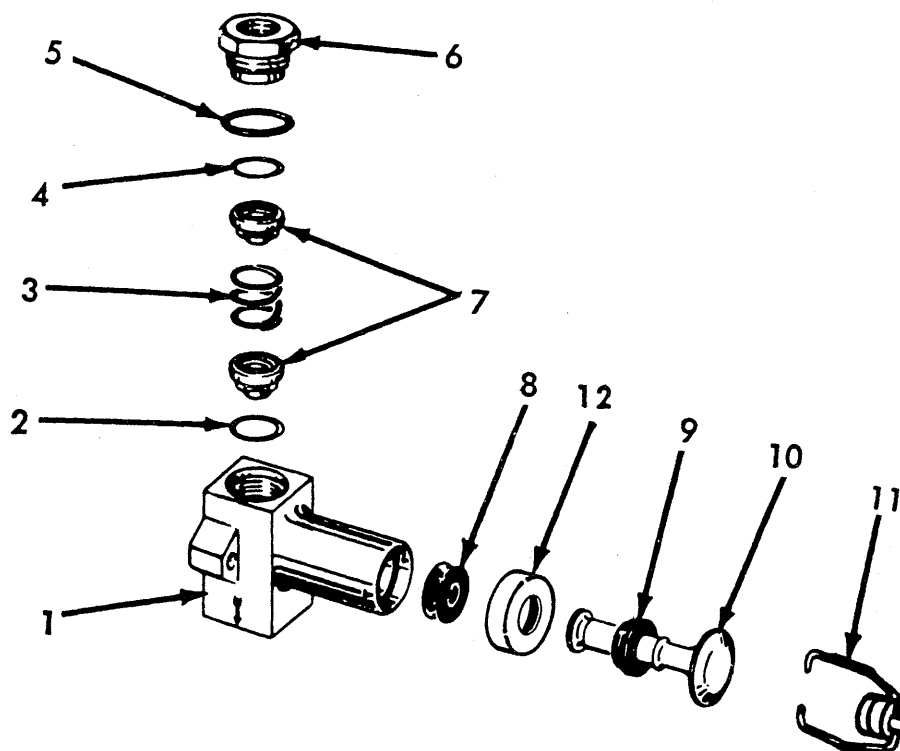
104-34

NOZZLE HOLDER ASSEMBLY
Diesel



104-35

HAND PRIMER PUMP ASSEMBLY
Diesel



CARBURETOR
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	4020322	1	CARBURETOR ASSY. (see Carburetor for components)
		2	916965 WASHER, lock, 3/8
		2	910329 NUT, jam, 3/8NF
		1	913535 CONNECTOR, 1/4
		2	4513430 STUD
2	4641266	1	GASKET, carburetor
3	4020520	1	ROD, throttle control
		2	910267 NUT, jam, 1/4NF x 2
		1	917662 YOKE, 1/4
		1	917644 PIN, yoke, 1/4
		2	921319 WASHER, plain, 17/64 x 5/8 x #18
		1	900970 PIN, cotter, 1/16 x 1/2
4	4255560	1	BEARING, control rod end
		1	916400 CAPSCREW, 1/4NF x 3/4, Gr. 5
5	4514393	1	NUT, end bearing capscREW
6	4020324	1	LINE ASSY., fuel pump to carburetor (incl. nuts)
		2	913536 NUT, flared, 1/4
7	4020535	1	CLAMP, fuel line
		1	923114 CAPSCREW, 1/2NC x 1, Gr. 5
		1	916966 WASHER, lock, 1/2

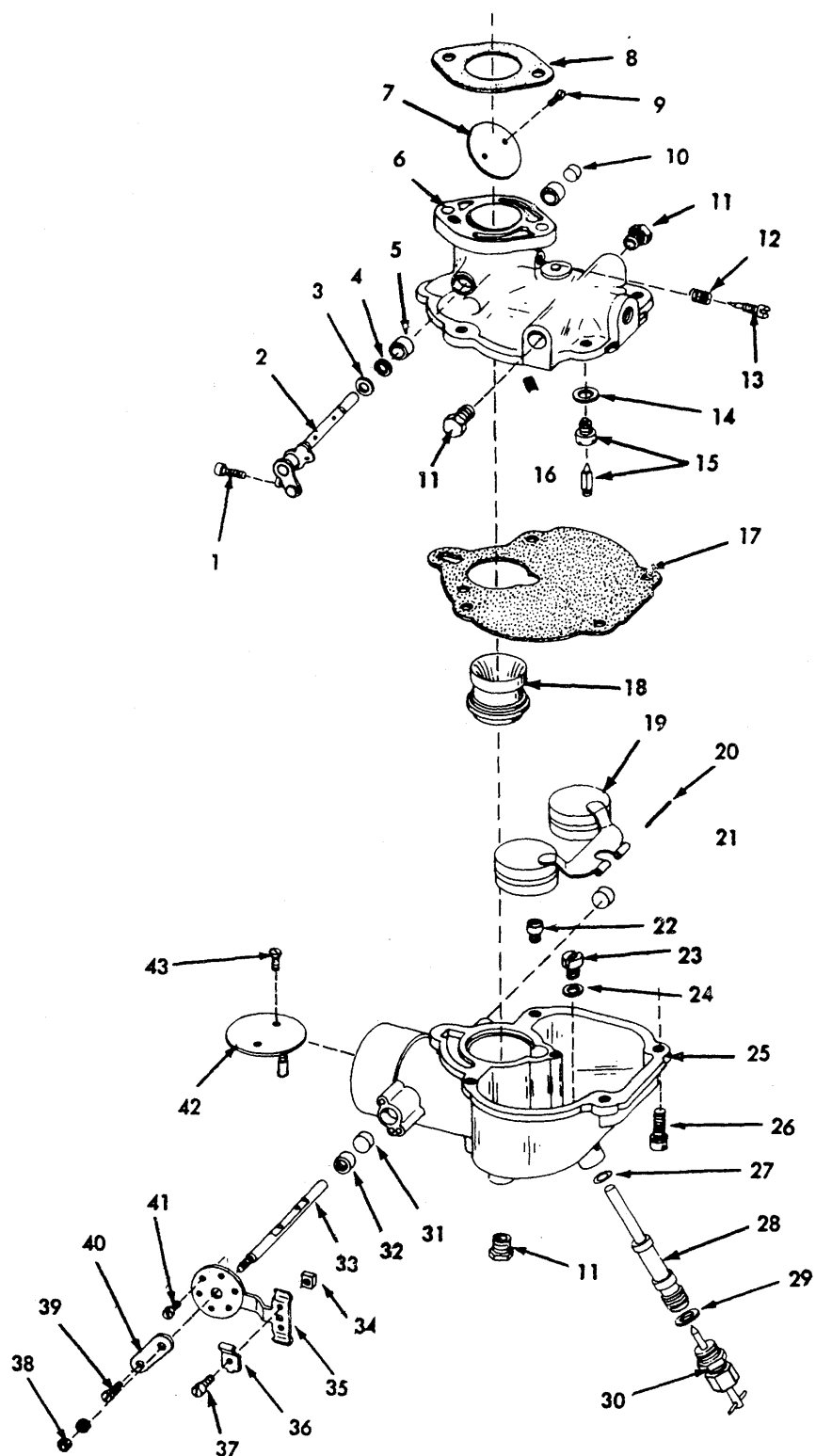
ASSEMBLIES & PACKAGES

--	4023220-9	--	KIT, gasket (incl. Item 2) (replaces 4021635)
----	-----------	----	---

CARBURETOR COMPONENTS Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
--	4020322	1	CARBURETOR ASSY.
1	4050958	1	SCREW, adjusting, idle speed
2	4058915	1	SHAFT & LEVER ASSY., throttle (incl. Item 1)
3	4051326	1	WASHER, throttle shaft
4	4051325	1	SEAL, throttle shaft (rubber)
5	4051324	2	BUSHING, throttle shaft
6	-----	1	BODY, throttle (not serviced separately) (order 4020322 Carburetor Assy.)
7	4058908	1	PLATE, throttle
8	4046614	1	GASKET, flange
9	4055649	2	SCREW & WASHER ASSY.
10	4058907	1	PLUG, cup, shaft hole
11	4046640	3	PLUG, pipe
12	4046601	1	SPRING, needle
13	4054013	1	NEEDLE, idle adjusting
14	4046669	1	WASHER, fuel valve
15	4058914	1	VALVE & SEAT ASSY., fuel (incl. Item 14)
16	4058912	1	JET, idle
17	4054016	1	GASKET, body to bowl
18	4055017	1	VENTURI
19	4054014	1	FLOAT ASSY.
20	4054015	1	AXLE, float
21	4050598	1	PLUG, cup, choke shaft
22	4046713	1	JET, vent well
23	4058994	1	JET, main
24	4046670	1	WASHER, jet
25	4058909	1	BOWL ASSY., fuel (incl. Items 21, 31 & 32)
26	4054017	4	SCREW & WASHER ASSY., bowl to body
27	4046667	1	WASHER, jet discharge
28	4058913	1	JET ASSY., fuel discharge
29	4046669	1	WASHER, jet
30	4054020	1	JET ASSY., adjusting
31	4051335	1	SEAL, felt, choke shaft
32	4051336	1	RETAINER, seal
33	4058910	1	SHAFT, choke
34	4046663	1	NUT
35	4051341	1	BRACKET ASSY., choke (incl. Items 34, 36 & 37)
36	4051342	1	CLIP
37	4051343	1	SCREW, clip
38	4046664	1	NUT, lever retaining
		1	917365 WASHER, lock, #10
39	4051339	1	SCREW, swivel, choke lever
40	4046598	1	LEVER ASSY., choke (incl. Item 39)
41	4051344	2	SCREW, bracket retaining
42	4058909	1	PLATE ASSY., choke
43	4055649	2	SCREW & WASHER ASSY., plate retaining
--	4054026	-	KIT, gasket (incl. Items 17, 24, 27 & 29)
--	4056411	-	KIT, repair (incl. Items 3, 4, 8, 10, 13, 15, 17, 20, 24, 27 & 29)

104-37

CARBURETOR COMPONENTS
Gasoline

IDLER PULLEY
Gasoline

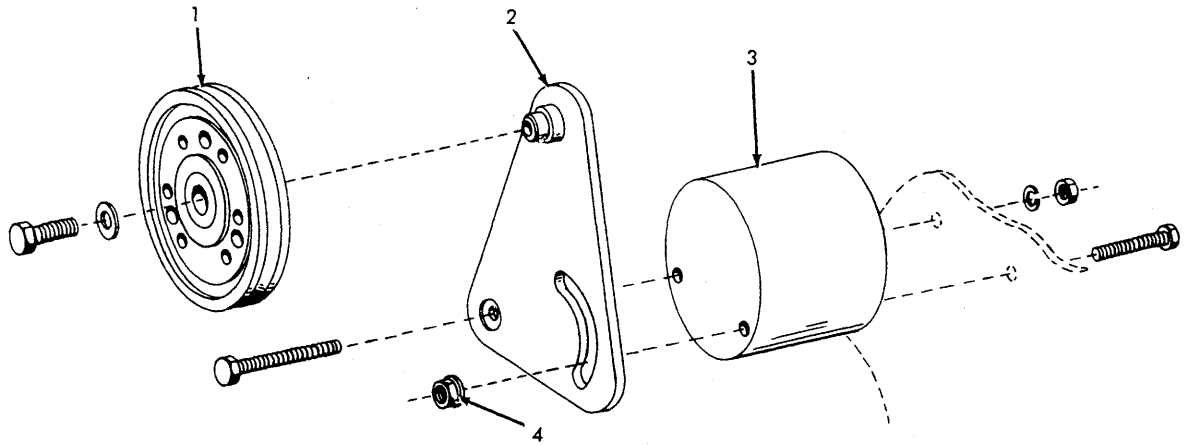
ITEM	NUMBER	QTY.	DESCRIPTION
1	4020570	1	PULLEY, idler
			1 0919224-6 CAPSCREW, 3/8NC x 1 1/8, Gr. 5, Gr. 5 (replaces 916268)
			1 911989 WASHER, plain, 3/8 x 1 x #2
2	4023312-4	1	BRACKET ASSY., idler pulley (replaces 4021334)
			1 923938 CAPSCREW, 5/16NC x 3-1/2, Gr. 5
			1 926106 CAPSCREW, 5/16NC x 3-1/4, Gr. 5
			1 917356 WASHER, lock, 5/16
			1 917372 NUT, 5/16NC
3	4020325	1	SPACER, bracket
4	4025441	1	NUT, whiz

IDLER PULLEY
Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
1	4020570	1	PULLEY, idler
			1 0919224-6 CAPSCREW, 3/8NC x 1 1/8, Gr. 5, Gr. 5 (replaces 916268)
			1 911989 WASHER, plain, 3/8 x 1 x #12
2	4023312-4	1	BRACKET ASSY., idler pulley (eff. w/Eng. S/N D-11010) (replaces 4021334)
			1 916269 CAPSCREW, 3/8NC x 7/8, Gr. 5
3	-----	1	STUD, bracket mounting (see Front Plate & Gear Cover)
			1 906905 NUT, 5/16NF
			1 912369 WASHER, plain, 21/64 x 5/8 x #20
4	4025441	1	NUT, whiz
			1 916269 CAPSCREW, 3/8NC x 7/8, Gr. 5

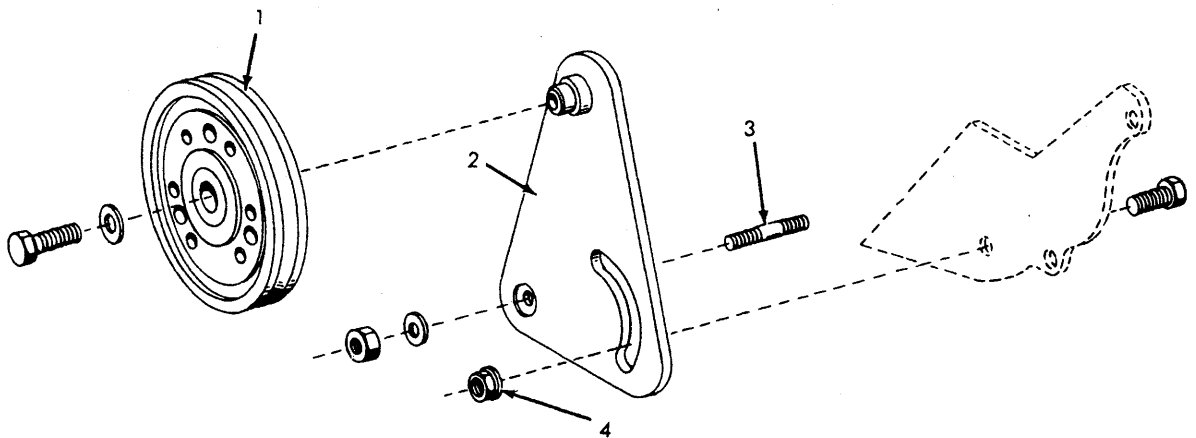
104-38

IDLER PULLEY
Gasoline



104-39

IDLER PULLEY
Diesel



AIR CLEANER HOSES & AIR HEATER Diesel

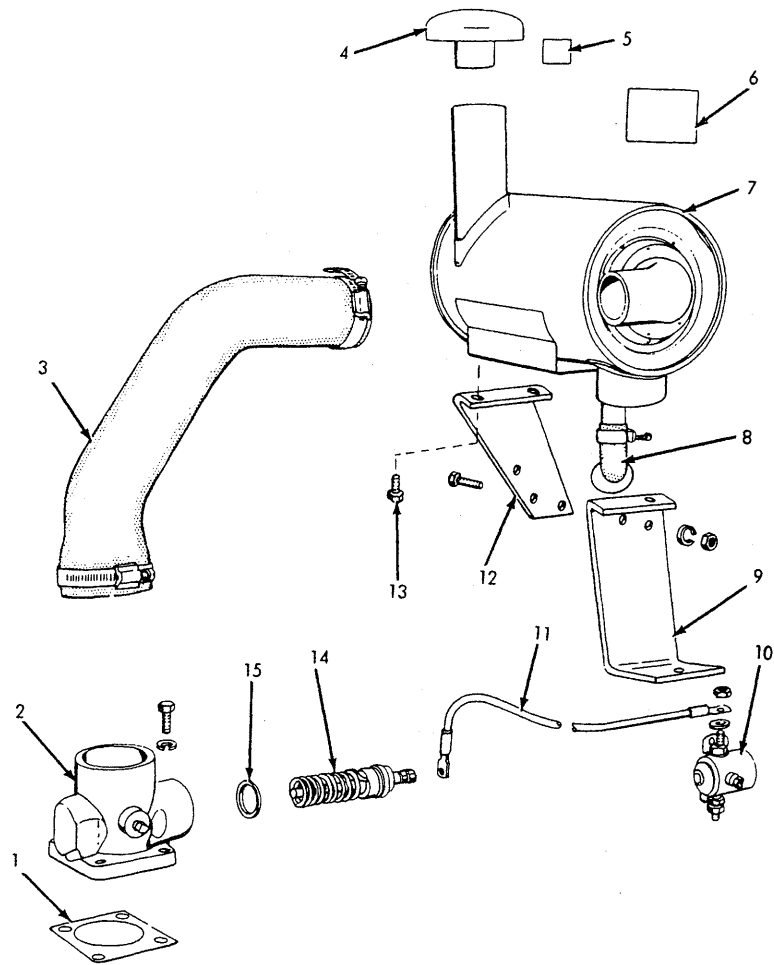
ITEM	NUMBER	QTY.	DESCRIPTION
1	242095	1	GASKET, air heater to manifold
2	248430	1	HOUSING, air heater
		4	921333 CAPSCREW, 5/16NC x 1, Gr. 5
		4	917356 WASHER, lock, 5/16
		1	901651 PLUG, pipe, 1/8
3	245163	1	HOSE, air cleaner to heater housing
		1	921914 CLAMP, hose (heater) 2-5/16 to 3-1/4
		1	921913 CLAMP, hose (cleaner) 1-13/16 to 2-3/4
4	0226926-4	1	CAP, air cleaner (replaces 235918)
5	242583	1	TRANSFER, ether primer instruction
6	0235896-8	1	TRANSFER, air cleaner instruction
7	245860	1	CLEANER ASSY., air (see Air Cleaner Group for components)
8	235884	1	UNLOADER, dust
		1	921911 CLAMP, hose, 11/16 to 1-1/4
9	245839	1	SUPPORT, fan shaft, rear, L.H.
	245840	1	SUPPORT, fan shaft, rear, R.H.
		2	929114 CAPSCREW, 1/2NC x 1
		2	916966 WASHER, lock, 1/2
10	237134	1	SWITCH, magnetic
		2	907727 CAPSCREW, pltd., 1/4NC x 5/8
		2	916964 WASHER, lock, pltd., 1/4
		2	916622 NUT, pltd., 1/4NC
11	244881	1	CABLE, heater switch to element
12	245838	2	SUPPORT, air cleaner
		2	910211 CAPSCREW, 3/8NC x 1
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC
13	243157	4	CAPSCREW, special cleaner to support
14	4516760-8	1	ELEMENT, air heater (incl. Item 15) (replaces 4514135)
15	4512343	1	GASKET, element

AIR CLEANER Gasoline & Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
--	245860	1	CLEANER ASSY., air (incl. Items 2 thru 4)
1	235448	1	BAR ASSY., retainer
2	237395	1	ELEMENT ASSY., filter (incl. Item 3)
3	237620	1	GASKET, element
4	-----	1	BODY ASSY., air cleaner (serviced only in assembly)

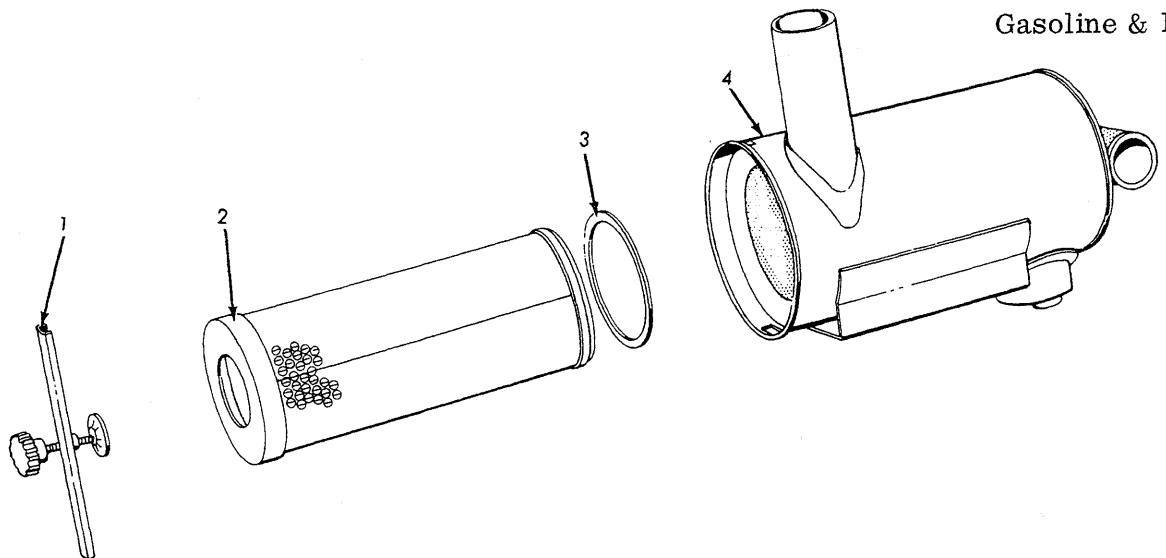
104-40

AIR CLEANER HOSES & AIR HEATER
Diesel



104-41

AIR CLEANER
Gasoline & Diesel



ETHER STARTING SYSTEM

Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
—	0280757-0	1	ETHER STARTING GROUP
1	0240028-1	1	CARTRIDGE, fuel cylinder replacement
	4 0916080-5		SCREW, pltd., No. 10NC x ½
	4 0917365-9		WASHER, lock, pltd., No. 10
	4 0916621-6		NUT, pltd., No. 10NC
2	0255945-0	1	KIT, metering valve repair (replaces 0251436)
3	-----	1	TUBE, cylinder to manifold (not serviced; obtain locally)
4	0246128-3	1	BRACKET ASSY., fuel cylinder mounting
5	0240834-2	1	FITTING ASSY., manifold
6	0251428-9	1	CABLE ASSY.
7	0251885-0	1	TUBE, coiled
8	0251887-6	1	BRACKET ASSY., clamp
9	0246128-3	1	BRACKET ASSY., fuel cylinder mounting
10	0253308-1	1	STOP, cable control
	1 0917384-0		SCREW, No. 100NF x 5/16
11	0251886-8	1	VALVE

AIR FILTER INDICATOR

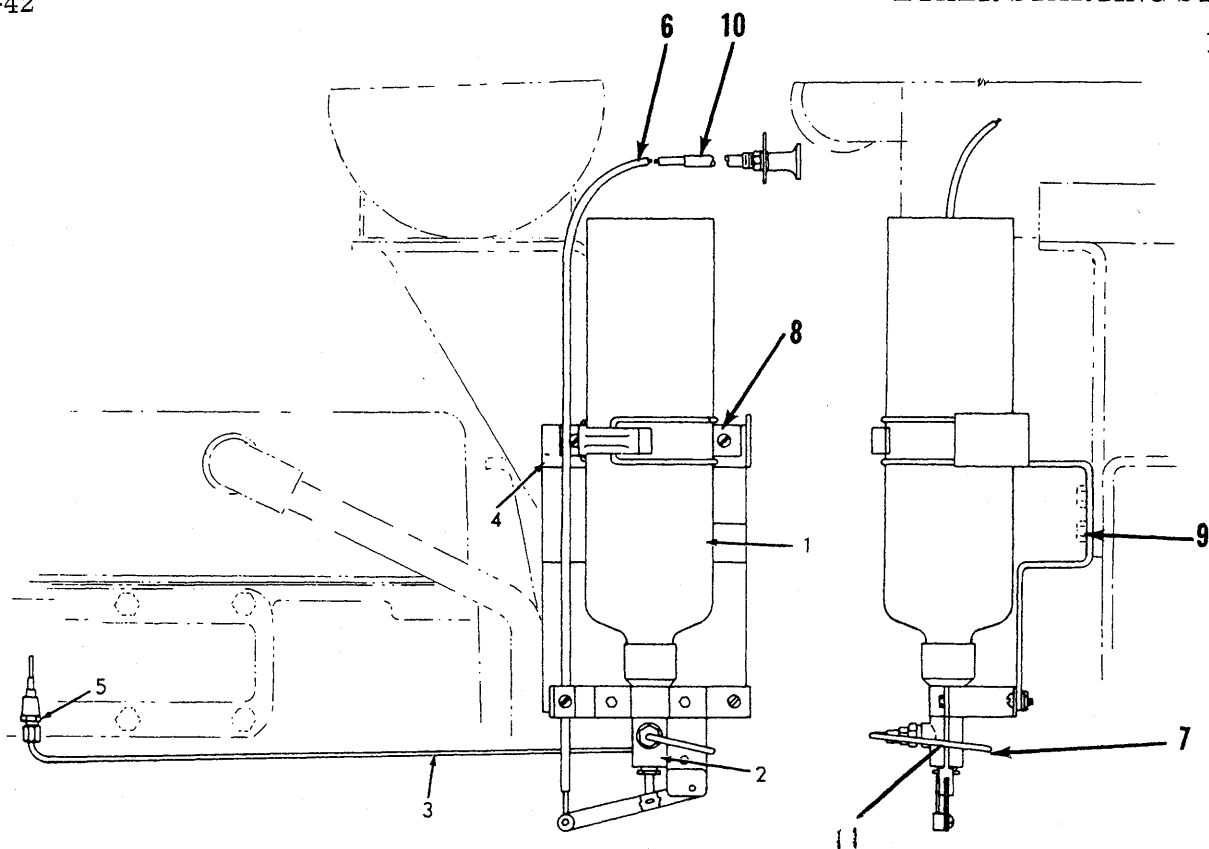
Dash Mounted

ITEM	NUMBER	QTY.	DESCRIPTION
1	4021600-4	1	INDICATOR ASSY., 25" H ₂ O (diesel)
	249102	1	INDICATOR ASSY., 20" H ₂ O (gasoline)
	1 901467		NIPPLE, pipe, 1/8 x 3/4
	1 911428		WASHER, plain, 13/32 x 7/8 x #18
	1 913233		GROMMET, rubber, 3/8
2	910199	1	CONNECTOR, female, 3/16
3	249103	1	TUBE ASSY., air filter indicator
	1 913474		ELBOW, compression, female, 3/16 x 1/8
4	3038547-0	1	NIPPLE ASSY., (incl. filter) (replaces 241056)

104-42

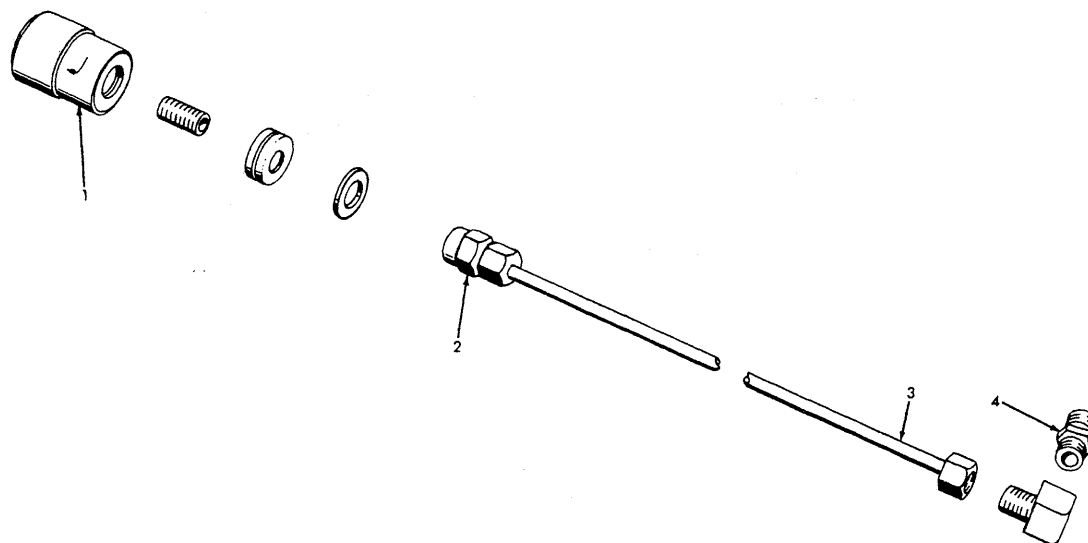
ETHER STARTING SYSTEM

Diesel



104-43

AIR FILTER INDICATOR Dash Mounted



GENERATOR ASSEMBLY

ITEM	NUMBER	QTY.	DESCRIPTION
1	4255545	1	CONNECTOR, generator
2	-----	1	GENERATOR, delcotron (see Generator Group for components)
		1	918875 CAPSCREW, pltd., 5/16NC x 1-1/8
		1	917356 WASHER, lock, pltd., 5/16
		1	918265 WASHER, plain, pltd., 11/32 x 11/16 x 1/16
3	245991	1	BRACKET, generator
		1	916269 CAPSCREW, 3/8NC x 7/8, Gr. 5
		1	916965 WASHER, 3/8
		1	918875 CAPSCREW, 5/16NC x 1-1/8, Gr. 5
		1	918265 WASHER, plain, 11/32 x 11/16 x 1/16
		1	917356 WASHER, lock, 5/16
4	-----	1	FAN, generator (see Generator Group)
5	-----	1	PULLEY, generator (see Generator Group)
6	-----	1	WASHER, lock, shaft nut (see Generator Group)
7	-----	1	NUT, shaft (see Generator Group)
8	-----	1	BELT, alternator & fan drive (see Fan Drive Shaft)
9	243986-7	1	REGULATOR, voltage
	243987-5	1	KIT, voltage regulator shock mounting
		2	905656 CAPSCREW, 1/4NC x 5/8
		2	916964 WASHER, lock, 1/4
		2	916622 NUT, 1/4NC
10	4021689	1	BRACKET, alternator
		1	922918 CAPSCREW, 3/8NC x 3-1/4, pltd.
		1	916950 NUT, 3/8NC
		1	916965 WASHER, lock, 3/8

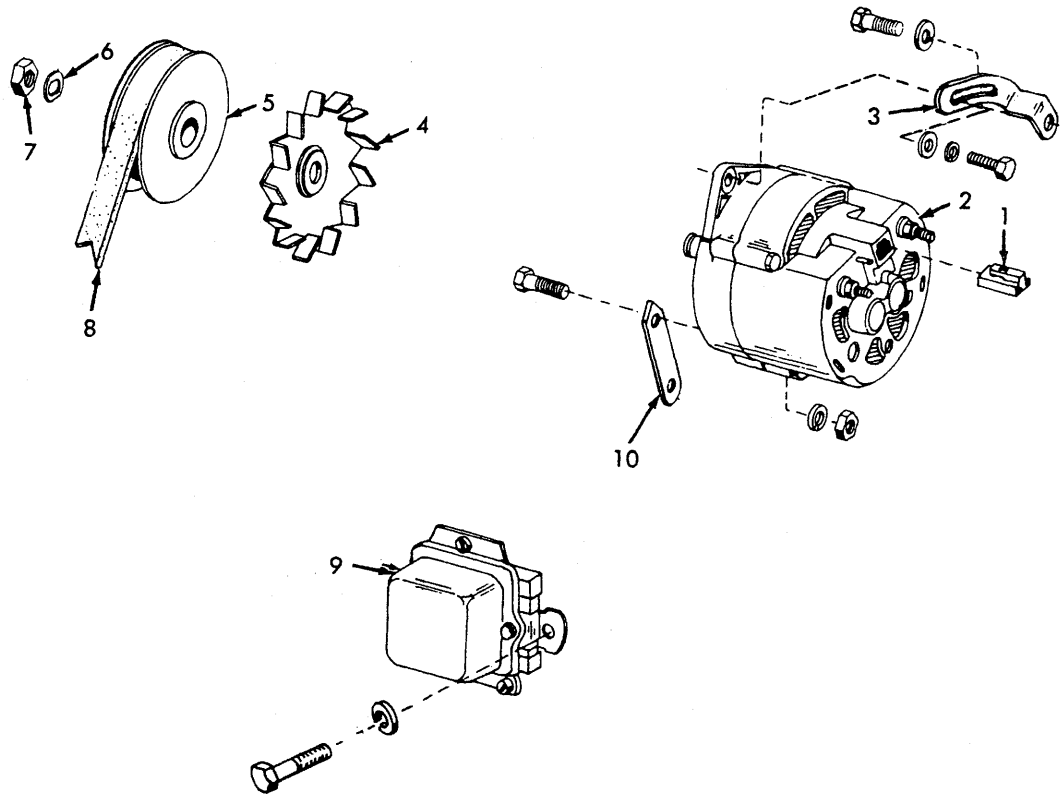
AIR CLEANER HOSES

Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
1	248467	2	HOSE, air cleaner
		2	921913 CLAMP, hose, 1-13/16 to 2-3/4
2	245162	1	CLAMP, air cleaner tube
		1	919319 CAPSCREW, pltd., 5/16NC x 7/8
		1	918265 WASHER, plain, pltd., 11/32 x 11/16 x 1/16
		1	917356 WASHER, lock, pltd., 5/16
		1	917372 NUT, pltd., 5/16NC
3	245161	1	TUBE, air cleaner to carburetor
4	245860	1	CLEANER ASSY., air (see Air Cleaner Group for components)
5	0226926-4	1	CAP, rain (replaces 235918)
6	0235896-8	1	TRANSFER, air cleaner instruction
7	235884	1	UNLOADER, dust
		1	921911 CLAMP, 11/16 to 1-1/4
8	245838	2	SUPPORT, air cleaner
		2	910211 CAPSCREW, 3/8NC x 1-1/8
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC
9	245840	1	SUPPORT, fan shaft, rear, R.H.
	245839	1	SUPPORT, fan shaft, rear, L.H.
10	243157	4	CAPSCREW, special air cleaner to support

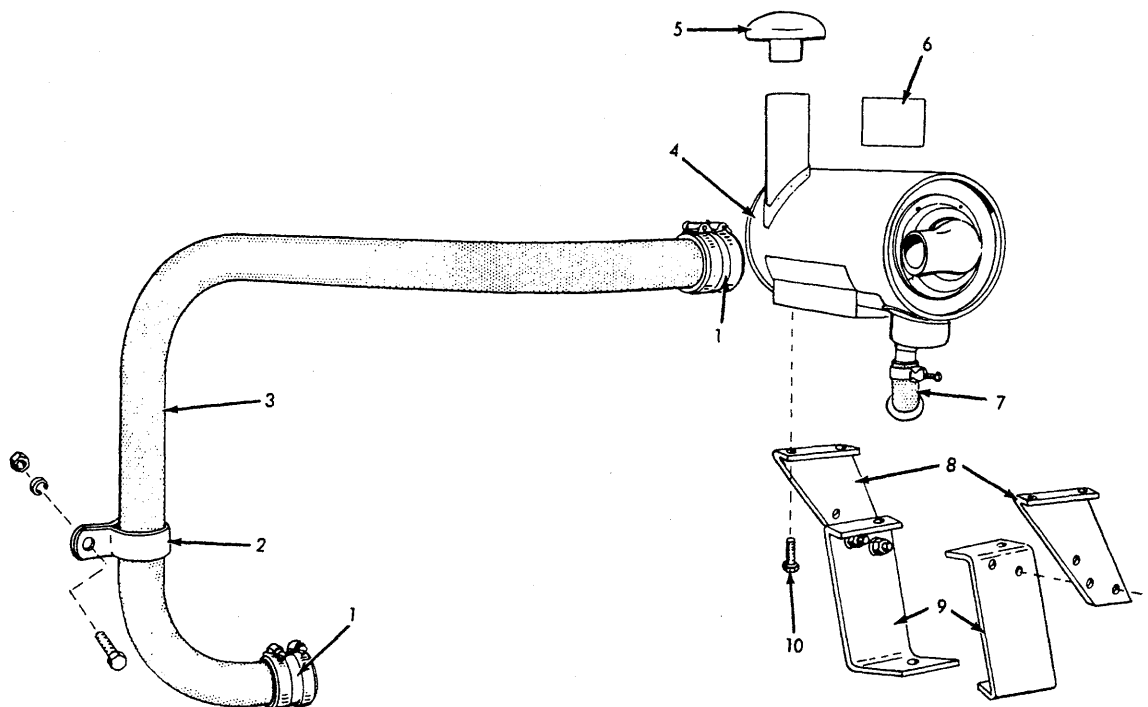
104-44

GENERATOR ASSEMBLY



104-46

AIR CLEANER HOSES Gasoline

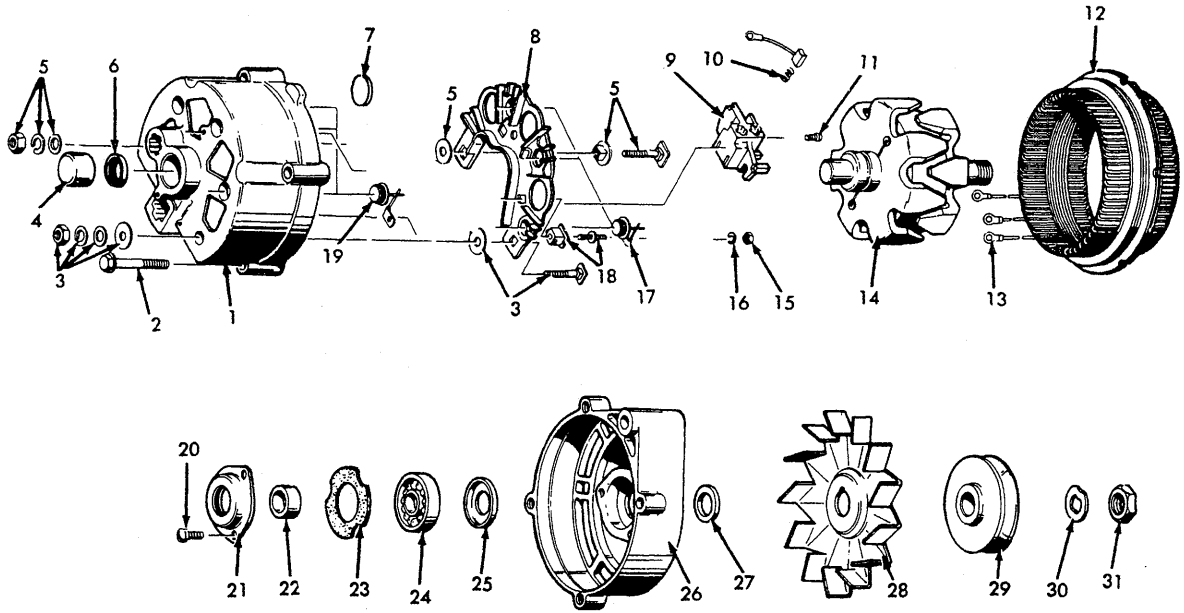


GENERATOR

ITEM	NUMBER	QTY.	DESCRIPTION
—	0669277-6	1	GENERATOR ASSY., (incl. Items 1 thru 27, 30, & 31) Delco—Remy No. 1100805 (replaces 245330)
1	1142668-1	1	KIT, slip ring end frame (incl. Items 4, 6, 7, 19 & insulators)(replaces 245623) 1 0242842-3 Insulator 1 0242836-5 Washer
2	242838	4	BOLT, thru
3	242822	1	KIT, battery terminal (incl. Stud, 2 washers, insulator, 2 lockwashers, 2 nuts, & instruction sheet)
4	1142670-2	1	BEARING, slip ring end frame (replaces 245624)
5	242823	1	KIT, ground terminal (incl. terminal stud, insulator, 2 washers, 2 lockwashers, & 2 nuts)
6	1142677-2	1	SEAL ASSY., bearing (incl. 2 washers & 1 cup) (replaces 242844)
7	0242845-6	1	RETAINER (replaces 243790)
8	242813	1	KIT, heat sink (incl. Items 15, 16, 17, & 18) 1 024842-3 Insulator 1 0242836-5 Washer
9	243791	1	HOLDER ASSY., brush (incl. brushes & Item 11)
10	242818	2	SPRING, brush
11	242835	2	SCREW, brush holder attaching 1 0242831-6 Washer, lock
12	242811	1	STATOR ASSY., (incl. Item 13)
13	242840	3	CLIP, stator lead terminal
14	0243788-7	1	ROTOR ASSY., (incl. shaft, slip ring, terminal, insulators, segments & coil assy.) (replaces 245622 and 0242810-0)
15	917385	3	NUT
16	242831	6	WASHER, lock
17	1142671-5	2	KIT, diode, positive silicon rectifier (incl. instructions) (replaces 242815)
18	242825	1	KIT, diode junction terminal (incl. insulator & stud)
19	1143669-9	3	KIT, diode, negative silicon rectifier
20	243792	1	SCREW, bearing retainer
21	242826	1	RETAINER ASSY., bearing (incl. felt washer)
22	242828	1	COLLAR, shaft (inside)
23	4042832-8	1	GASKET
24	0231393-0	1	BEARING, drive end (replaces 4253860-3 and 4044032)
25	0242839-9	1	CAPACITOR
26	242812	1	FRAME, drive end
27	242829	1	COLLAR, shaft (outside)
28	0256650-3	1	FAN, generator (replaces 239967)
29	1003823-0	1	PULLEY, generator (replaces 246251)
30	237006	1	WASHER, lock, shaftnut
31	4054799	1	NUT, shaft, D.E.
32	0917443-4	1	SCREW, capacitor terminal 1 0923906-2 Washer, plain 1 0242831-6 Washer, lock
—	246043	1	*COVER, generator end 3 917441 *Screw, rd—hd, pltd., No. 8NC x ½ 3 917395 *Washer, lock, pltd., 1/8
—	246044	1	*GASKET, end cover

104-47

GENERATOR



BATTERY GROUP

ITEM	NUMBER	QTY.				DESCRIPTION
		*	**	***	****	
1	243470	1	--	---	----	BATTERY, (12-volt)
	243473	-	1	---	2	BATTERY, (12-volt)
	243471	-	--	2	----	BATTERY, (6-volt)
2	248680	1	--	1	----	TRAY ASSY., battery
	248678	-	1	---	2	TRAY ASSY., battery
						2 921934 BOLT, carriage, 3/8NC x 1-1/4
						2 903775 CAPSCREW, 3/8NC x 7/8
						4 916965 WASHER, lock, 3/8
						4 916950 NUT, 3/8NC
3	245324	1	--	2	----	INSULATOR
	245580	-	1	---	2	INSULATOR
4	232917	1	--	2	----	RETAINER ASSY., battery
	243183	-	1	---	----	RETAINER ASSY., battery
	245579	-	--	---	2	RETAINER ASSY., battery
	4771148	-	4	---	----	CLIP, battery hold-down (not illustrated)
5	243513	2	--	4	2	ROD, battery hold-down
	243124	-	4	---	4	ROD, battery hold-down
						1 918264 WASHER, 9/32 x 5/8 x 1/16
						1 920397 NUT, lock, pltd., 1/4NC
6	248676	1	1	---	----	CABLE, battery to starter
	248675	-	--	1	----	CABLE, battery to heater magnetic switch, to starter magnetic switch
	248674	-	--	---	1	CABLE, battery to heater magnetic switch, to starter magnetic switch
7	246189	-	--	1	----	CABLE, battery jumper
8	229981	4	--	8	----	SEPARATOR
9	242146	1	1	---	1	CABLE, battery to ground
	245328	-	--	1	----	CABLE, battery to ground
	242137	-	--	---	1	CABLE, battery to ground
10	248700	2	2	2	2	SPACER (not illustrated)

* Gasoline (Std.)

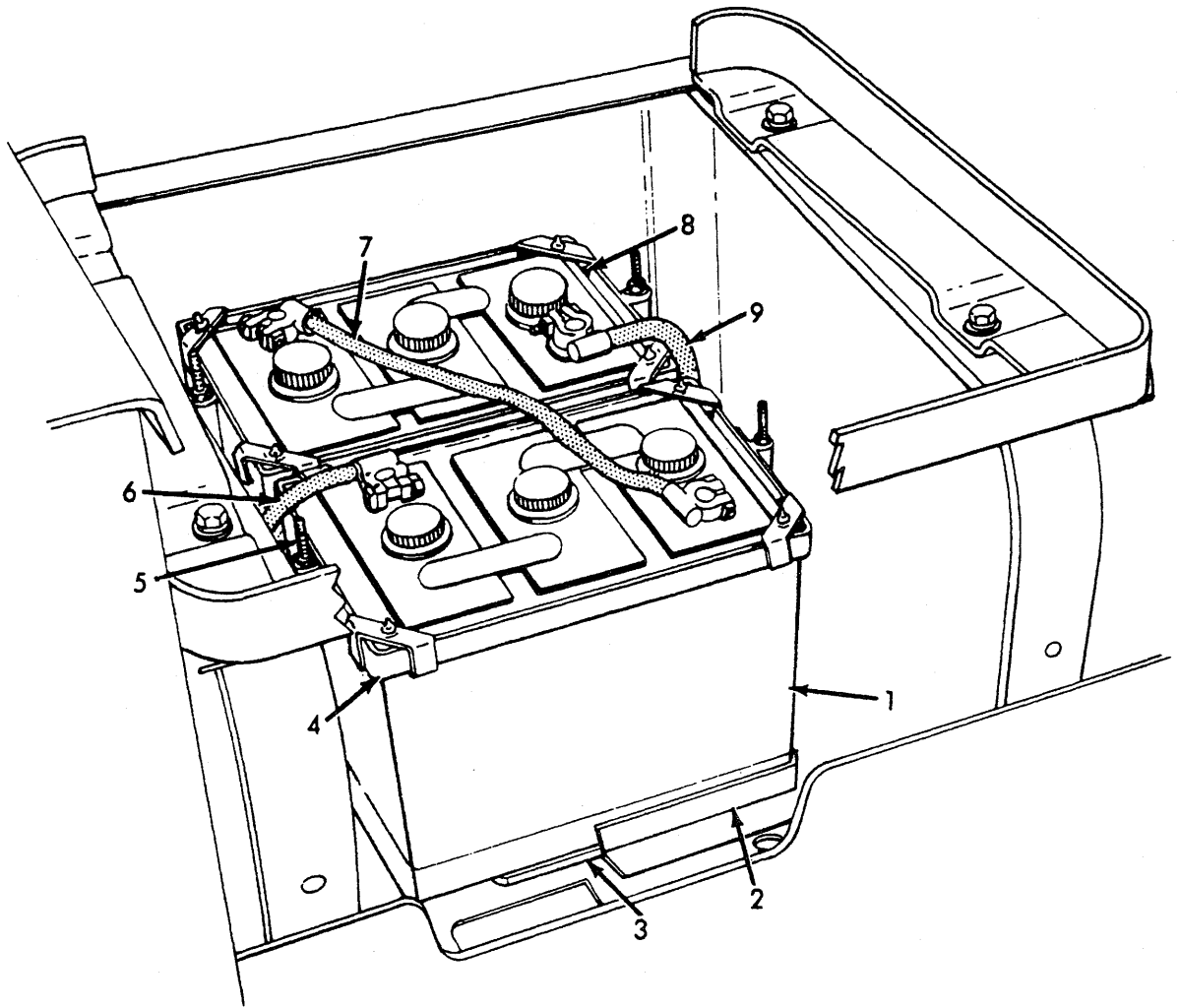
** Gasoline (H. D.)

*** Diesel (Std.)

**** Diesel (H. D.)

104-48

BATTERY GROUP



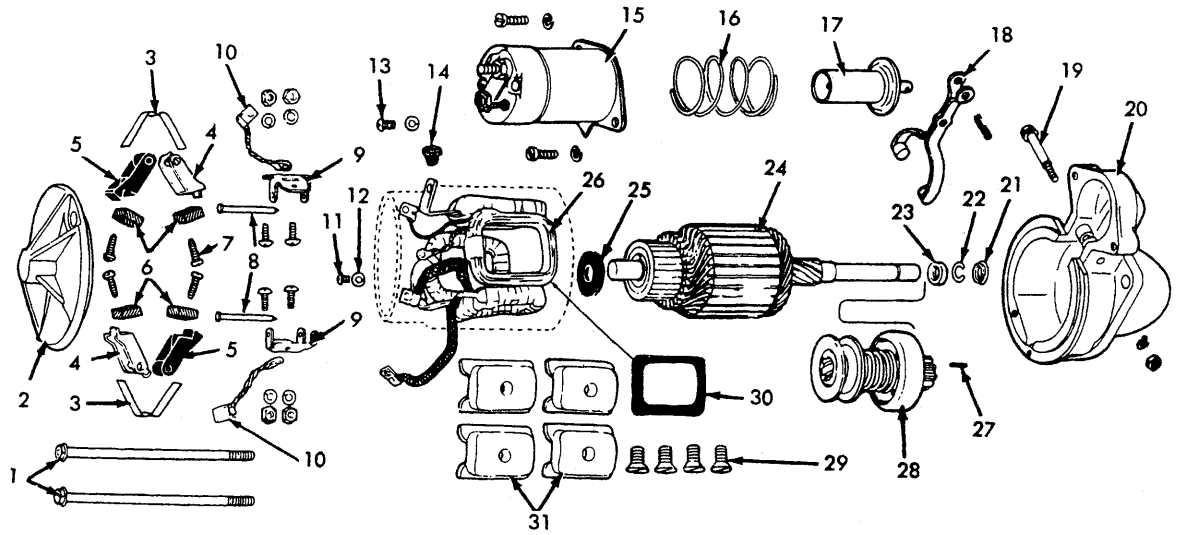
STARTING MOTOR
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
--	242136	1	MOTOR ASSY., starting (incl. Items 1 thru 32)
		3	919357 CAPSCREW, 3/8NC x 7/8
		3	916965 WASHER, lock, 3/8
1	231321	2	BOLT, thru
2	231330	1	FRAME, commutator end
3	231320	2	SPRING, brush
4	231318	2	HOLDER, brush ground
5	231319	2	HOLDER, brush insulated
6	231291	4	BRUSH
7	0917442-6	4	SCREW, brush attaching (replaces 231322)
8	231315	2	PIN, brush holder
9	231327	2	SUPPORT ASSY., brush holder (service package) (incl. 2 or 8 & 10 & hardware)
		4	916080 SCREW, rd-hd, pltd., #10NC x 1/2
		4	916621 NUT, pltd., #10NC
		4	917365 WASHER, lock, pltd., #10
10	231316	2	LEAD, brush ground
11	4042630	2	SCREW, center bearing plate
12	243844	2	WASHER, lock, center bearing plate
13	243842	1	SCREW, field lead to switch
		1	909055 WASHER, lock, pltd., #10
14	243841	1	GROMMET, field frame
15	243857	1	SWITCH ASSY., solenoid
		2	901226 SCREW, fil-hd, 1/4NC x 1/2
		2	916964 WASHER, lock, pltd., 1/4
		1	917421 NUT, 3/8
		1	916965 WASHER, lock, 3/8
		2	917385 NUT, #8
		2	917395 WASHER, lock, #8
16	243849	1	SPRING, plunger return
17	246077	1	PLUNGER ASSY.
18	243847	1	LEVER, shift
		1	916169 PIN, roll, 3/16 x 3/4
19	243848	1	STUD, shift lever
		1	917356 WASHER, lock, 5/16
		1	920161 NUT, jam, pltd., 5/16NC
20	243845	1	HOUSING ASSY., drive (incl. bushing, pipe plug & wick)
	243846	1	BUSHING, drive housing
	4047365	1	PLUG, pipe
	0241335-9	1	WICK (replaces 231294)
21	243855	1	COLLAR, thrust D.E.
22	231329	1	RING, retainer, pinion stop
23	231328	1	COLLAR, pinion stop
24	243838	1	ARMATURE
25	231262	1	WASHER, brake C.E.
26	243840	1	COIL ASSY., field
27	231240	1	PIN, dowel

(Continued)

104-49

STARTING MOTOR
Gasoline



STARTING MOTOR
Gasoline

ITEM	NUMBER	QTY.	DESCRIPTION
28	243856	1	DRIVE ASSY., starting motor
29	243839	4	SCREW, pole shoe
30	4051272	4	INSULATOR, field coil
31	231317	4	SHOE, pole
32	243854	1	GASKET, switch to housing
	231258	1	*PLATE, center bearing (incl. bushing)
	4044355	1	*BUSHING, center bearing plate
	231260	1	*WASHER, between center bearing & motor drive

* Not Illustrated

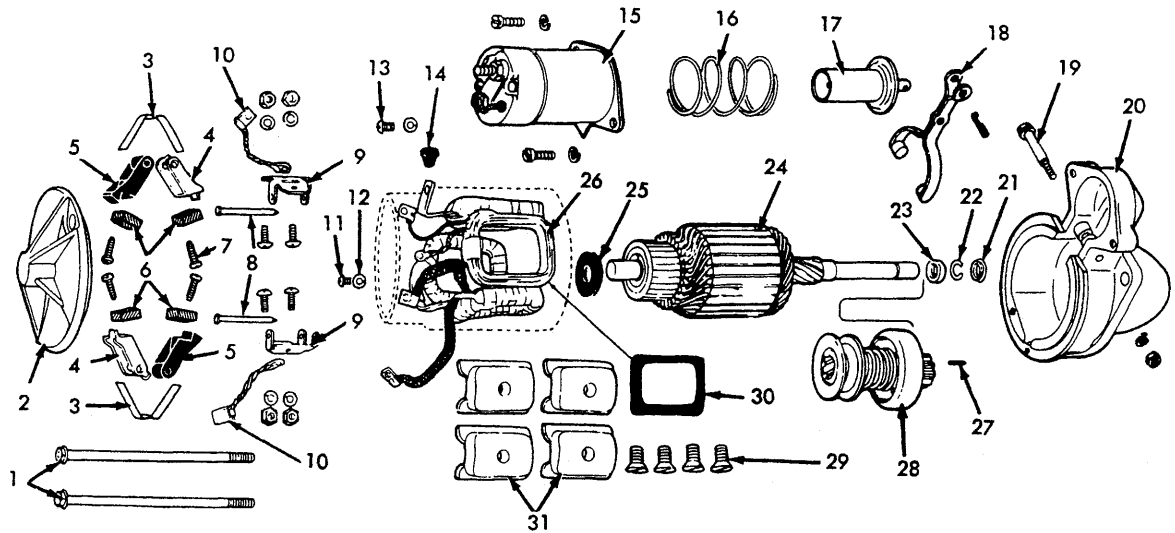
STARTING MOTOR
Diesel

ITEM	NUMBER	QTY.	DESCRIPTION
--	245331	1	MOTOR ASSY., starting (incl. Items 1 thru 33) (Delco-Remy No. 1107589)
	4	916080	SCREW, rd-hd, pltd., #10NC x 1/2
	4	916621	NUT, pltd., #10NC
	4	917365	WASHER, lock, pltd., #10
	3	919357	CAPSCREW, 3/8NC x 7/8
	3	916965	WASHER, lock, 3/8
1	4055435	1	FRAME ASSY., C.E. (incl. bushing, plugs & wick)
	4047348	1	BUSHING, C.E.
	4050068	1	PLUG, pipe, C.E.
	4042668	1	PLUG, end
	246076	1	WICK
2	4051277	4	SPRING, brush
3	4055871	2	HOLDER, brush ground
4	4051279	2	HOLDER, brush insulated
5	4051282	2	LEAD, brush ground
6	4051281	2	SUPPORT ASSY., brush holder (incl. Items 5 & 7)
7	4055438	2	PIN, support attaching
8	4055436	4	BRUSH
9	241369	4	SCREW, brush attaching
10	243842	1	SCREW, field lead attaching
	1	909055	WASHER, lock, pltd., #10
11	246074	1	CONNECTOR, field
	246075	1	GROMMET, field frame
12	4054825	1	SCREW, connector
	1	917365	WASHER, lock, pltd., #10

(Continued)

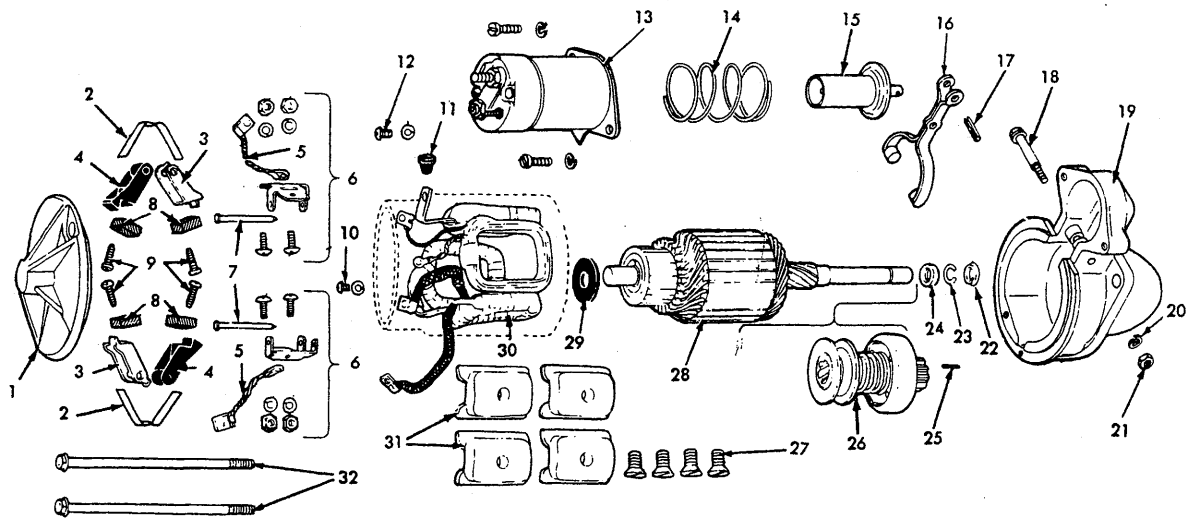
104-50

STARTING MOTOR
Gasoline



104-51

STARTING MOTOR
Diesel



STARTING MOTOR

Diesel

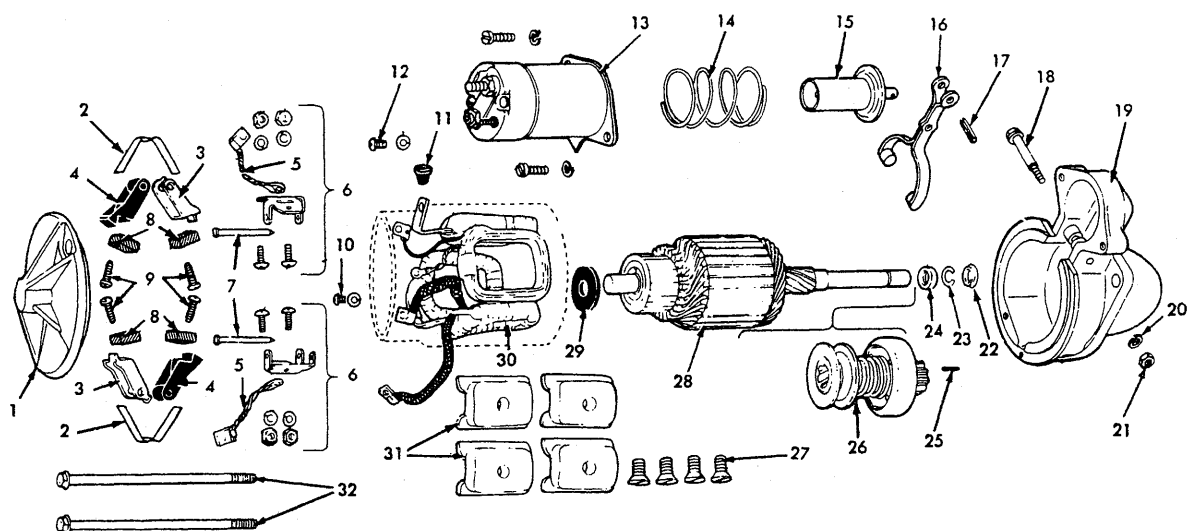
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
13	243857	1	SWITCH, solenoid
		2	901226 SCREW, fil-hd, pltd., 1/4NC x 1/2
		2	916964 WASHER, lock, pltd., 1/4
		1	917421 NUT, 3/8
		1	916965 WASHER, lock, 3/8
		1	917385 NUT, #8
		1	917395 WASHER, lock, #8
	243854	1	GASKET, between switch & housing
14	243849	1	SPRING, plunger return
15	246077	1	PLUNGER
16	243847	1	LEVER, shift
17	246078	1	PIN, lever to plunger
18	243848	1	STUD, shift lever
19	4997171	1	HOUSING ASSY., drive (incl. plug, bushing & wick)
	4050068	1	PLUG, pipe
	243846	1	BUSHING, drive end
	241335-9	1	WICK, drive end
20	917356	1	WASHER, lock, shift lever stud, pltd., 5/16
21	920161	1	NUT, shift lever stud, pltd., 5/16NC
22	243855	1	COLLAR, thrust
23	231329	1	RING, retainer
24	231328	1	COLLAR, stop
25	4042650	1	PIN, dowel
26	246079	1	DRIVE ASSY., motor
27	4054758	4	SCREW, pole shoe
28	1003673-9	1	ARMATURE (replaces 246072)
29	4055869	1	WASHER, brake C.E.
30	246073	1	COIL ASSY., field
31	4044510	4	POLE, shoe
32	246100	2	BOLT, thru
33	4051968	1	*PLATE, center bearing (incl. bushing)
	4044355-3	1	*BUSHING, center bearing, plate (replaces 246097)
	4054796	2	*SCREW, center bearing attachment
	243844	2	*WASHER, lock, center bearing screw
	231260	1	*WASHER, between center bearing & motor drive

* Not Illustrated

104-52

STARTING MOTOR Diesel (Continued)

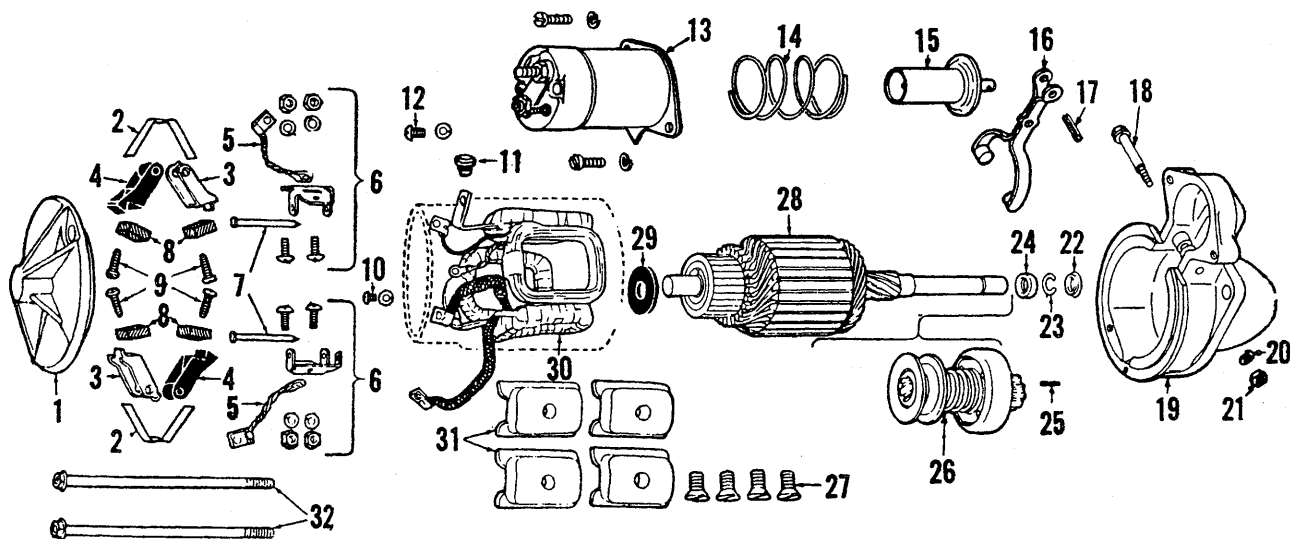


STARTING MOTOR

ITEM	NUMBER	QTY.	DESCRIPTION
--	1003815-6 (replaces 1003342-1)	1	MOTOR ASSY., Starting (Incl. Items 1 Thru 33) (Delco-Remy No. 1109144)
		4	0916080-5 SCREW, Rd-Hd., Pltd., #10NC x 1/2
		4	0916621-6 NUT, Pltd., #10NC
		4	0917365-9 WASHER, Lock, Pltd., #10
		3	0919357-4 CAPSCREW, 3/8 NC x 7/8
		3	0916965-7 WASHER, Lock, 3/8
1	4055435-4	1	FRAME ASSY., C.E. (Incl. Bushing, Plugs & Wick)
	4050068-8	1	PLUG, Pipe, C.E.
	0246076-4	1	WICK
2	4041224-5	4	SPRING, Brush (replaces 3031224-3)
3	4055871-0	2	HOLDER, Brush Ground
4	4051279-0	2	HOLDER, Brush Insulated
5	4060192-4	2	LEAD, Brush Ground
6	4051281-6	2	SUPPORT ASSY., Brush Holder (Incl. Items 5 & 7)
7	0252042-7	2	PIN, Support Attaching
8	1003672-1	4	BRUSH
9	0251369-8	2	SCREW, Ground Brush Attaching
	1003674-7	2	SCREW, Ins. Brush Attaching
10	1003675-4	1	SCREW, Field Lead Attaching
		1	0909055-6 WASHER, Lock, Pltd., #10
11	0246074-9	1	CONNECTOR, Field
	0246075-6	1	GROMMET, Field Frame
12	4054825-7	1	SCREW, Connector
		1	0917365-9 WASHER, Lock, Pltd., #10
13	0243857-0	1	SWITCH, Solenoid
		2	0901226-1 SCREW, Fil-Hd., Pltd., 1/4 NC x 1/2
		2	0916964-0 WASHER, Lock, Pltd., 1/4
		1	0917421-0 NUT, 3/8
		1	0916965-7 WASHER, Lock, 3/8
		1	0917385-7 NUT, #8
		1	0917395-6 WASHER, Lock, #8
	0243854-7	1	GASKET, Between Switch & Housing
14	0243849-7	1	SPRING, Plunger Return
15	0246077-2	1	PLUNGER
16	0243847-1	1	LEVER, Shift
17	0246078-0	1	PIN, Lever to Plunger
18	0243848-9	1	STUD, Shift Lever
19	4997171-6	1	HOUSING ASSY., Drive (Incl. Plug, Bushing & Wick)
	4050068-8	1	PLUG, Pipe
	0243846-3	1	BUSHING, Drive End
	0241335-9	1	WICK, Drive End
20	0917356-8	1	WASHER, Lock, Shift Lever stud, Pltd., 5/16

(Continued)

STARTING MOTOR (Cont.)

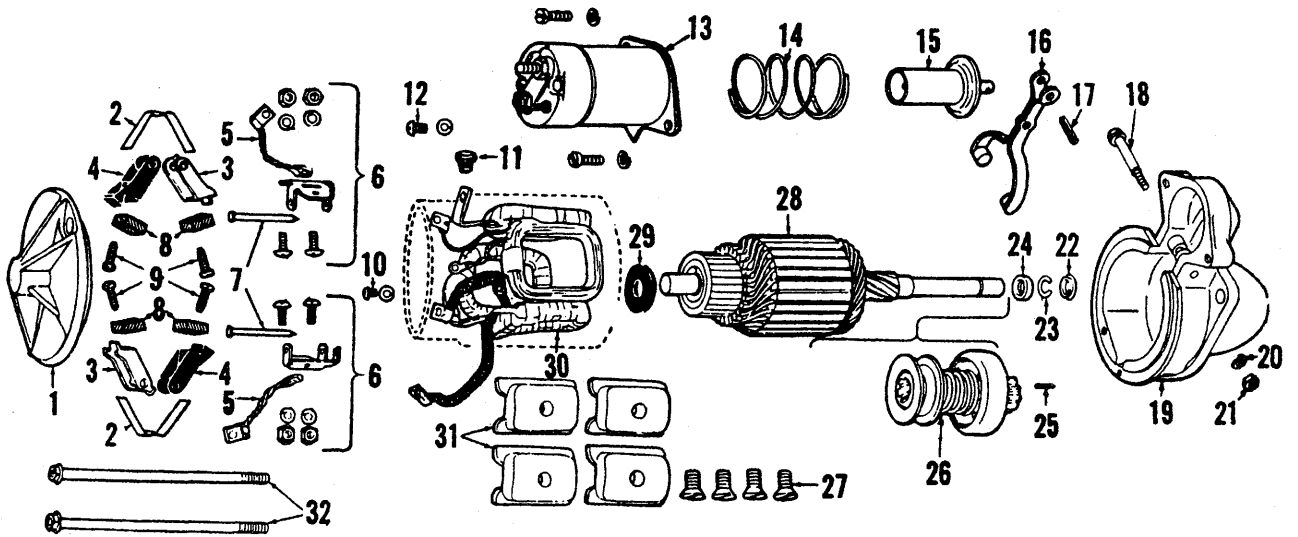


STARTING MOTOR (Cont.)

ITEM	NUMBER	QTY.	DESCRIPTION
21	0920161-7	1	NUT, Shift Lever Stud, Pltd., 5/16NC
22	0243855-4	1	COLLAR, Thrust
23	0231329-4	1	RING, Retainer
24	0231328-6	1	COLLAR, Stop
25	4042650-4	1	PIN, Dowel
26	0246079-8	1	DRIVE ASSY., Motor
27	4054758-0	4	SCREW, Pole Shoe
28	1003673-9	1	ARMATURE
29	4055869-4	1	WASHER, Brake C.E.
30	0246073-1	1	COIL ASSY., Field
31	4044510-8	4	POLE, Shoe
32	0246100-2	2	BOLT, Thru
	4051968-8	1	*PLATE, Center Bearing (Incl. Bushing)
	4044355-3	1	*BUSHING, Center Bearing, Plate
	4054796-0	2	*SCREW, Center Bearing Attachment
	0243844-8	2	*WASHER, Lock, Center Bearing Screw
	0231260-1	1	*WASHER, Between Center Bearing & Motor Drive

* Not Illustrated

STARTING MOTOR (Cont.)



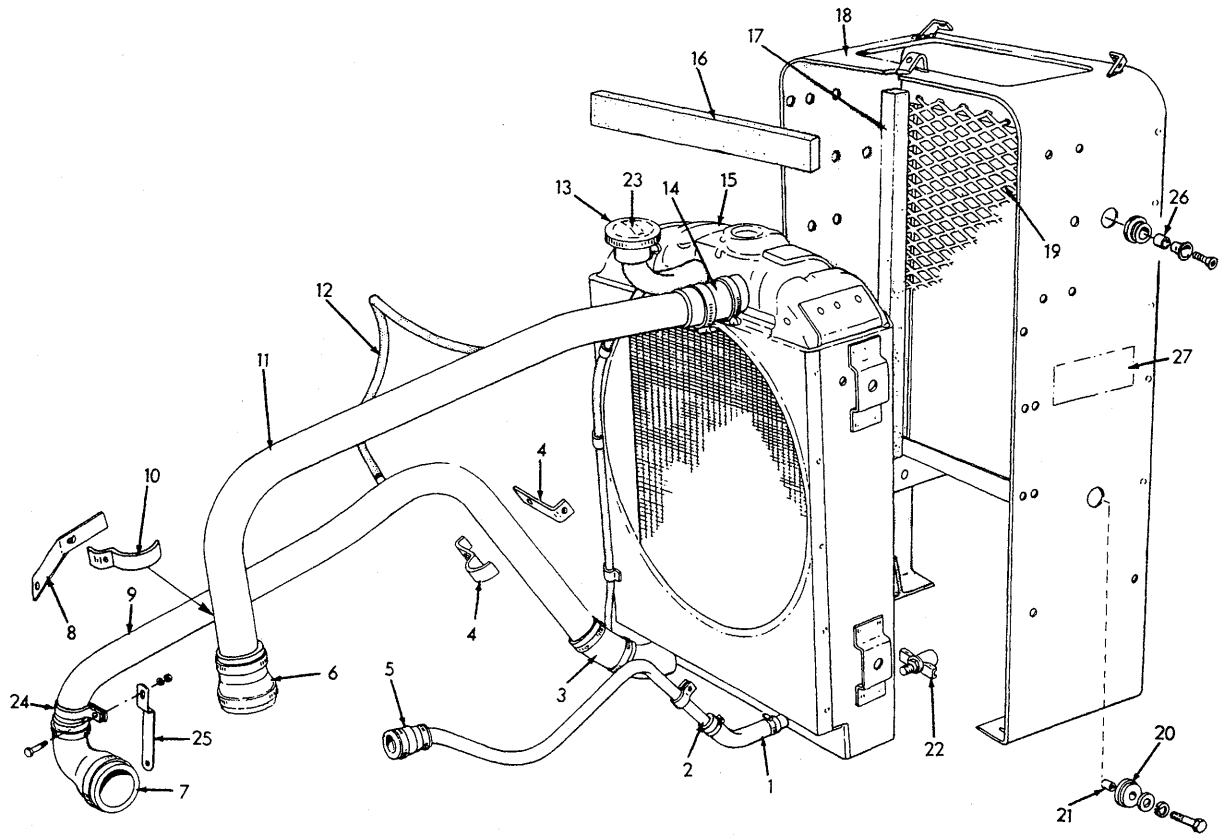
RADIATOR, HOSES & SUPPORT

ITEM	NUMBER	QTY.	DESCRIPTION
1	250933	1	HOSE, thermostat by-pass to radiator
		2	921911 CLAMP, 11/16 to 1-1/4
2	250932	1	TUBE, by-pass thermostat housing to radiator (gasoline)
	250931	1	TUBE, by-pass thermostat housing to radiator (diesel)
3	246271	1	HOSE, radiator bottom
		2	921913 CLAMP, hose, 1-13/16 to 2-3/4
4	246275	1	BRACKET, tube
		1	921332 CAPSCREW, 5/16NC x 3/4
		1	917356 WASHER, lock, 5/16
		1	917372 NUT, 5/16NC
5	245747	1	HOSE, tube to thermostat housing
		2	922660 CLAMP, hose, 13/16 to 1-1/2
		1	921911 CLAMP, hose, 11/16 to 1-1/4
6	245105	1	HOSE, thermostat housing
		2	921913 CLAMP, hose, 1-13/16 to 2-3/4
7	249803	1	HOSE, water pump inlet
		2	921913 CLAMP, hose, 1-13/16 to 2-3/4
8	246274	1	BRACKET, tube
9	246272	1	TUBE, radiator to pump
10	246304	2	CLAMP, tube
		1	921969 CAPSCREW, 3/8NC x 1-1/2
		1	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		1	916965 WASHER, lock, 3/8
		1	916950 NUT, 3/8NC
11	246270	1	TUBE, radiator to thermostat housing
12	246276	1	HOSE, breather
		2	921910 CLAMP, hose, 7/16 to 25/32
13	0254891-5	1	CAP, pressure (replaces 254891)
14	245103	1	HOSE, radiator top
		2	921913 CLAMP, hose, 1-13/16 to 2-3/4
15	245100	1	RADIATOR ASSY. (incl. cap & Item 13)
16	245751	1	PAD, sealing top
17	245752	2	PAD, sealing side
18	245767	1	SUPPORT ASSY., radiator
		4	916329 CAPSCREW, 3/4NF x 1-3/4, Gr. 5
		4	919332 WASHER, lock, 3/4
		4	920328 CAPSCREW, 1/2NC x 1-1/2
		4	916966 WASHER, lock, 1/2
		4	916951 NUT, 1/2NC
		4	910244 WASHER, plain, 17/32 x 1-1/16 x 3/32
		4	919333 NUT, pltd., 3/4NF
19	245771	1	GRILLE, radiator
		4	918228 CAPSCREW, pltd., 3/8NC x 5/8
		4	916965 WASHER, lock, 3/8
20	237818	4	GROMMET
21	0245101-1	2	SPACER
		1	915798 WASHER, plain, 13/32 x 1-1/2 x #11
		1	921969 CAPSCREW, 3/8NC x 1-1/2
		1	906960 WASHER, lock, 3/8

(Continued)

104-54

RADIATOR, HOSES & SUPPORT

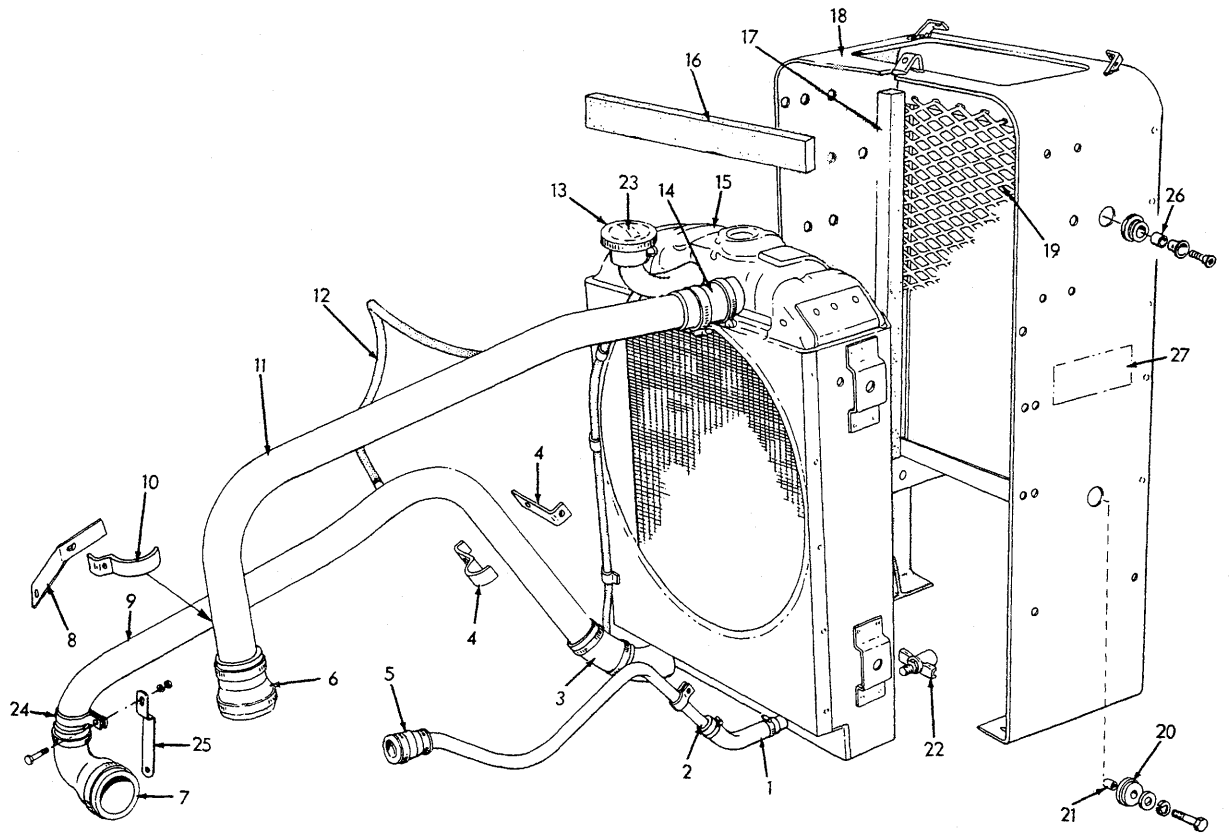


RADIATOR, HOSES & SUPPORT
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
22	229210	1	COCK, drain
		1	907058 ELBOW, street, 45°
23	247622	1	TRANSFER, radiator cap
24	248486	1	CLAMP
25	248485	1	BRACKET, radiator tube to water manifold
26	0247289-2	2	SPACER
		1	924402 CAPSCREW, 3/8NC x 1-1/2
		1	209099 VALVE, spring retainer
27	247201	2	TRANSFER, torque converter
28	0250219-3	1	BAFFLE, radiator (not illustrated)
		3	0921355-4 NUT, speed, 5/16
		3	920787 CAPSCREW, pltd., 5/16NC x 1/2
		3	917356 WASHER, lock, pltd., 5/16
		3	919326 WASHER, 11/32

104-55

RADIATOR, HOSES & SUPPORT
(Continued)



HOOD, SHELL, GRILLE, MUFFLER & EXTENSION

ITEM	NUMBER	QTY.	DESCRIPTION
1	245637	1	SKIRT ASSY., L.H.
	245638	1	SKIRT ASSY., R.H.
		3	903628 CAPSCREW, 3/8NC x 5/8
		3	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		3	916965 WASHER, lock, 3/8
2	244413	1	COVER, hood air cleaner opening
3	245796	1	TRANSFER, ALLIS-CHALMERS
4	0252467-6	1	CLAMP ASSY., muffler
5	252463	1	EXTENSION, exhaust
6	252464	1	HOOD ASSY.
		6	924410 CAPSCREW, 1/2NC x 1
		6	923352 NUT, lock, pltd., 1/2NC
		2	924405 CAPSCREW, 3/8NC x 1
		2	919383 WASHER, 3/8
		2	919439 NUT, pltd., 3/8
7	245744	1	GRILLE, front
		4	923697 CAPSCREW, 1/2NC x 7/8
		4	916966 WASHER, lock, 1/2
8	245743	1	SHELL ASSY., front grille
		4	916329 CAPSCREW, 3/4NF x 1-3/4, Gr. 5
		4	919332 WASHER, lock, 3/4
		2	910175 NUT, 3/4NF
9	245446	1	MUFFLER, exhaust
10	0249899-6	1	CLAMP ASSY., muffler
11	245631	1	PANEL ASSY., L.H.
	245632	1	PANEL ASSY., R.H.
12	247291	1	*STRIP, packing
13	247292	2	*STRIP, packing
14	247293	2	*STRIP, packing
15	229700	2	*STRIP, packing
16	098029	2	LATCH, hood
		2	904063 RIVET

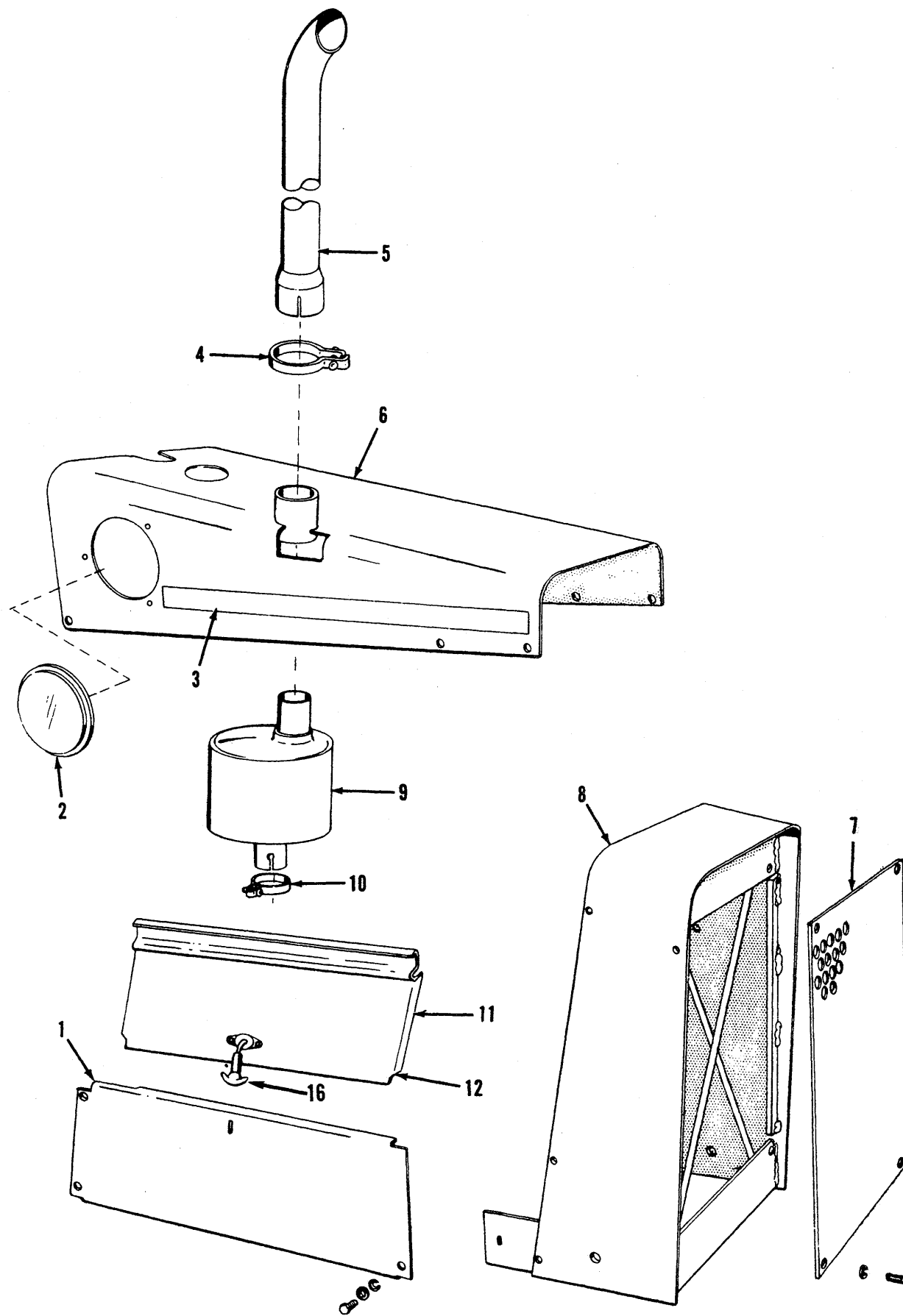
* Not Illustrated

Not Shown

0247290-0	1	BRACKET
0921332-3	1	CAPSCREW, 5/16UNC x 3/4
0917372-5	1	NUT, 5/16UNC
0917356-8	1	WASHER, lock 5/16

104-56

HOOD, SHELL, GRILLE, MUFFLER & EXTENSION



FUEL TANK
Gasoline & Diesel

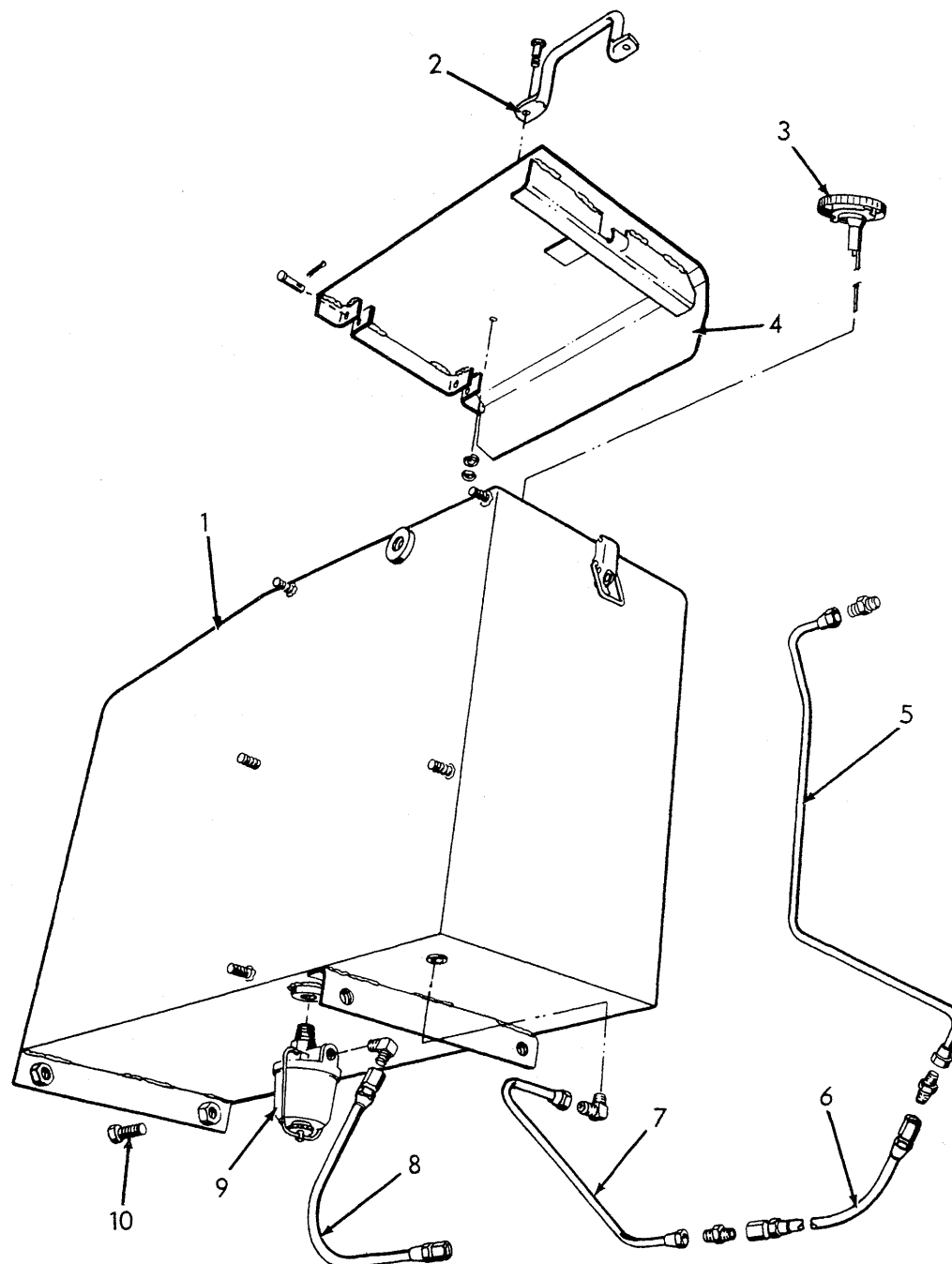
ITEM	NUMBER	QTY.	DESCRIPTION
1	250032	1	TANK ASSY., fuel
			1 901651 PLUG, pipe, 1/8 (gasoline)
2	243594	1	HANDLE, top, tank
			2 921332 CAPSCREW, pltd., 5/16NC x 3/4
			2 920426 WASHER, lock, pltd., 5/16
			2 917372 NUT, pltd., 5/16NC
3	245167	1	CAP ASSY., w/dipstick
4	245170	1	COVER ASSY., top, fuel tank
			2 917646 PIN, yoke, 3/8
			2 922464 WASHER, 1/16 x 13/32 x 21/32
			2 918448 PIN, cotter, 3/32 x 3/4
			1 926144 SCREW, 5/16NC x 7/8
			1 916871 NUT, lock, 5/16NC
5	0254037-5	1	TUBE ASSY., drip line, front (diesel)
			1 923417 CLIP, closed, #3 to 1/8
			1 921534 UNION, brass, 1/4, tube to hose
6	246132	1	HOSE ASSY., drip line
			2 917332 UNION, brass, 3/16, hose to tube
7	254309	1	TUBE ASSY., drip line, rear
8	245168	1	HOSE ASSY., fuel line (gasoline)
			2 910161 ELBOW, 1/4 x 1/8
	245169	1	HOSE ASSY., fuel line (diesel)
			1 910141 CONNECTOR (flare type), 1/4 tube x 1/8
9	-----	1	FILTER ASSY., fuel (see Fuel Filter Group for components)
10	235666	4	BOLT, tank, attaching
			1 916966 WASHER, lock, 1/2
			1 919423 NUT, pltd., 1/2NF
11	245791	1	*TRANSFER, diesel
	245790	2	*TRANSFER, gasoline
12	245777	1	*TRANSFER, control pattern
13	249677	1	*TRANSFER, caution, shuttle clutch
--	239726	2	*TIE, drip & fuel line

* Not Shown

ASSEMBLIES & PACKAGES

--	245413	--	SET, transfer, H-4
--	245414	--	SET, transfer, HD-4

104-58

FUEL TANK
Gasoline & Diesel

FUEL TANK FILTER
Gasoline & Diesel

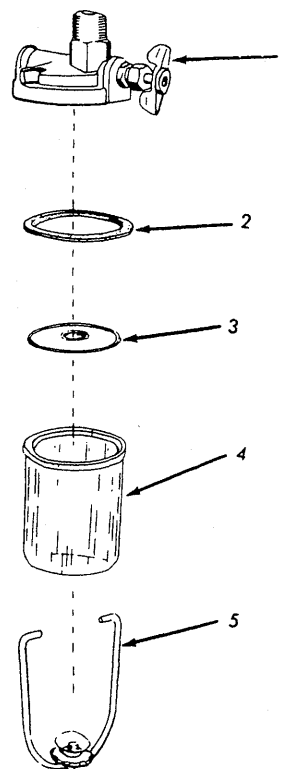
ITEM	NUMBER	QTY.	DESCRIPTION
--	237946	1	FILTER ASSY., fuel (incl. Items 1 thru 5)
1	223255	1	VALVE ASSY., fuel
2	208137	1	GASKET, filter
3	208325	1	SCREEN, filter
4	237947	1	BOWL, glass (fire resistant)
	217264	1	BOWL, metal
5	223248	1	BAIL ASSY., fuel bowl

TORQUE CONVERTER

ITEM	NUMBER	QTY.	DESCRIPTION
--	289556	1	CONVERTER ASSY., torque (incl. converter & Item 1)
1	252427	1	KIT, drive plate repair (incl. drive plate, plate reinforcement, place bolts, and drive plate washers)
2	2050284	1	PILOT WASHER

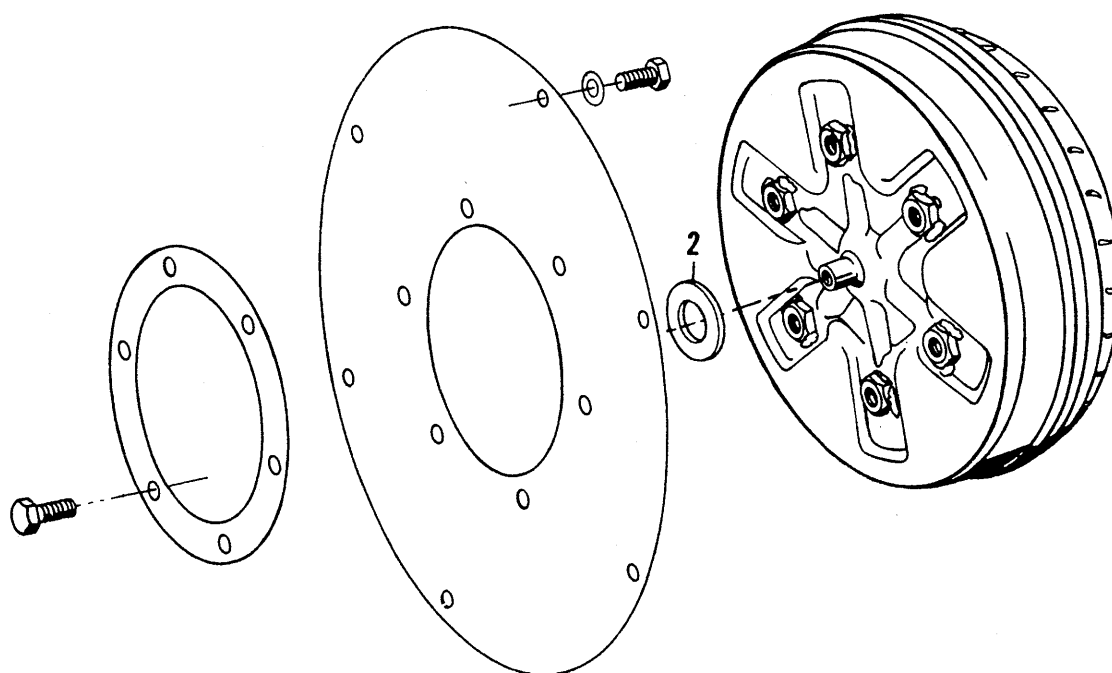
104-59

FUEL TANK FILTER Gasoline & Diesel



104-60

TORQUE CONVERTER

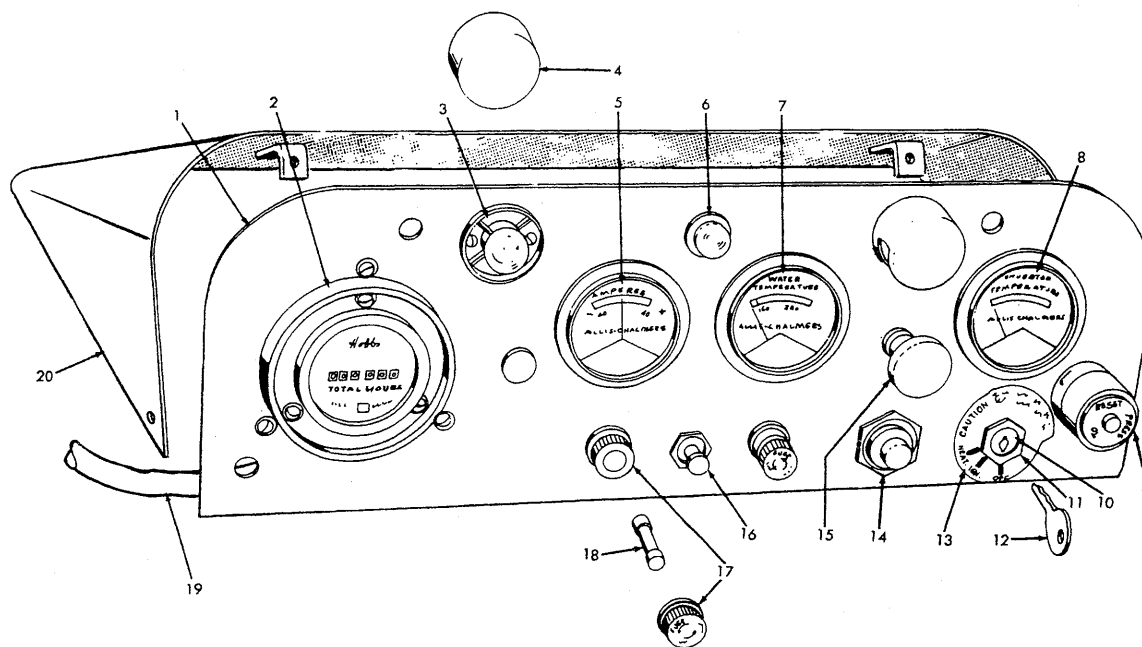


INSTRUMENT PANEL

ITEM	NUMBER	QTY.	DESCRIPTION
1	249027	1	PANEL, instrument
		4	922811 SCREW, w/washer, lock, 5/16NC x 1/2, pltd.
2	-----	1	HOUR METER (see Hour Meter Group)
	-----	1	TACH-HOUR METER (see Tach-Hour Meter Group)
	243862	1	COVER ASSY., panel (used when hour meter or tach-hour meter are not used)
3	234404	2	LAMP ASSY., dash (incl. Item 4 & bulbs)
		2	907893 SCREW, s-tap, slotted, #4 x 1/4
	-----	2	BULB, 12-volt, #67 (obtain locally)
4	234357	2	COVER, lamp
5	0254407-0	1	AMMETER ASSY., (incl. clamp)
		2	909055 WASHER, lock, int-tooth, pltd., #10
		4	916880 NUT, hex, brass, #10NF
		4	906938 WASHER, plain, brass, 13/16 x 7/16 x 1/32
6	240837	1	LIGHT ASSY., engine oil pressure (incl. bulb & lens)
		2	907893 SCREW, s-tap, slotted, #4 x 1/4
	240838	1	LENS
	-----	1	BULB, 12-volt, #1891 (obtain locally)
7	245245	1	GAUGE, water temperature (incl. clamp)
		2	917389 WASHER, lock, pltd., med., #12
		2	917376 NUT, hex, steel-pltd., #12NC
8	245244	1	GAUGE, converter oil temperature (incl. clamp)
		2	917389 WASHER, lock, pltd., med., #12
		2	917376 NUT, hex, steel-pltd., #12NC
	235724	1	ADAPTOR, to radiator tee
9	-----	1	INDICATOR, sir filter (see Air Filter Indicator Group)
10	241965	1	SWITCH ASSY., (incl. Items 12 & 13)
	227195	1	WASHER, plain
11	246282	1	NUT, lock (incl. in Item 10)
12	241977	1	KEY, (incl. in Item 10)
13	242398	1	PLATE, instruction key switch (diesel only)
14	0253322-2	1	SWITCH ASSY., push button, starting
	0253321-4	1	RUBBER CAP & NUT ASSY.
	0253320-6	1	SWITCH
		1	910543 WASHER, lock, ext-tooth, 5/8
15	0251837-1	1	CABLE, control (diesel injection pump or gasoline choke control)
	228373	1	CLIP
		1	921332 CAPSCREW, 5/16NC x 3/4
		1	917356 WASHER, lock, 5/16
		1	917372 NUT, 5/16NC
16	234409	1	SWITCH, lighting (incl. 4 terminals, 1 terminal adaptor & 3 insulating sleeves)
	230240	4	TERMINAL, female
	230170	1	TERMINAL ADAPTOR
17	0230246-1	2	HOLDER, fuse
		1	909589 WASHER, lock, int-tooth, pltd., 1/2
18	208960	2	FUSE, 20 A

104-61

INSTRUMENT PANEL



ITEM	NUMBER	QTY.	DESCRIPTION
19	245332	1	HARNESS, wiring
20	245230	1	COWL ASSY.
		3	922811 SCREW, 5/16NC x 1/2
		1	924243 TRANSFER, A-C Trademark
21	239726	4	*TIE, cable
--	0245558-2	1	*TIE, control cable

* Not Shown

 HOUR METER

ITEM	NUMBER	QTY.	DESCRIPTION
1	1003683-8	1	METER ASSY., hour (replaces 1003307)
		3	917438 SCREW, rd-hd., #6NC x 5/8
		3	920240 WASHER, lock, pltd., #6
2	247502	1	CABLE, generator to meter
3	235529	1	DAMPER
		3	917438 SCREW, rd-hd., #6NC x 5/8
		3	920240 WASHER, lock, pltd., #6
4	231995	1	CABLE, meter to ground
5	230170	1	ADAPTOR, terminal (not shown)

 TACH-HOUR METER & DRIVE

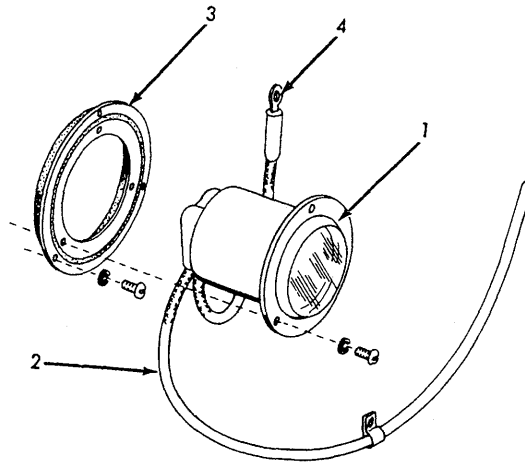
ITEM	NUMBER	QTY.	DESCRIPTION
--	246764	1	DRIVE ASSY., tachometer (incl. Items 2 thru 6)
		3	900501 SCREW, #8 x 1
		1	917441 SCREW, pltd., #8 x 1/2
		1	917395 WASHER, lock, pltd., #8
1	246044	1	GASKET, drive
2	-----	1	PLATE, drive (not serviced)
3	251845	1	GASKET
4	250488	1	GEAR & SHAFT ASSY.
5	250487	1	DRIVE GEAR & SHAFT ASSY.
6	-----	1	HOUSING, drive (not serviced)
7	246774	1	CABLE ASSY., flexible
8	228766	1	CLAMP, tachometer
9	247070	1	METER, tach-hour (incl. Item 8)
		2	917415 NUT, pltd., #10NF
		2	917365 WASHER, lock, #10
10	246775	1	SHAFT, inner tach drive

NOTE: When the tach-hour meter is not used, the following parts are fitted to the back of the generator:

11	246043	1	COVER
		3	917441 SCREW, #8 x 1/2
		3	917395 WASHER, lock, pltd., #8
12	246044	1	GASKET

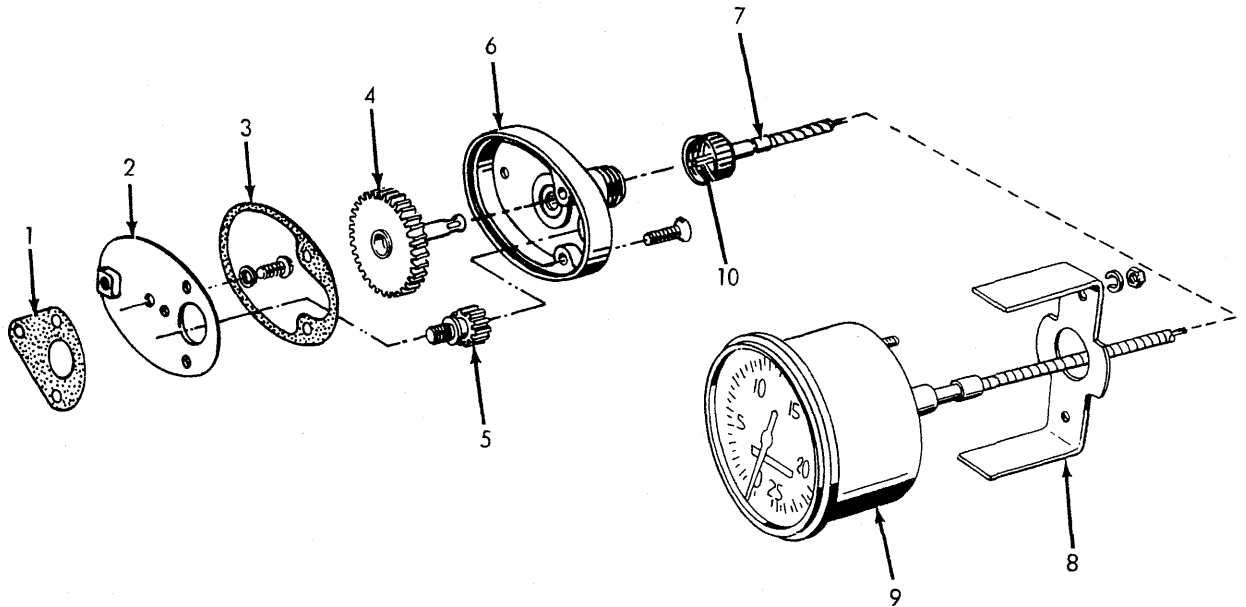
104-62

HOUR METER



104-63

TACH-HOUR METER & DRIVE



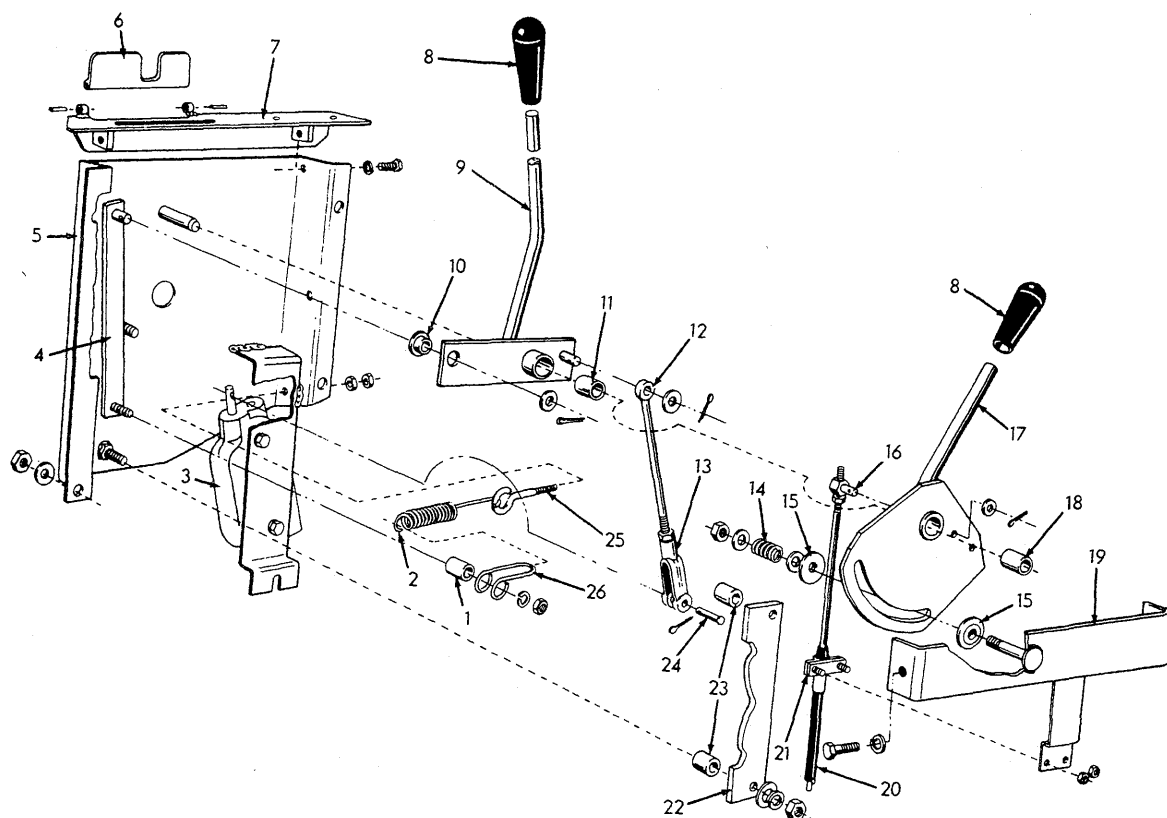
CONSOLE SHELL & SHUTTLE CLUTCH CONTROL

ITEM	NUMBER	QTY.	DESCRIPTION
1	248477	1	FOLLOWER, quadrant
2	248478	1	SPRING, detent lever
3	-----	1	VALVE ASSY., (see Valve Group for components)
		2	903628 CAPSCREW, 3/8NC x 5/8
		2	916965 WASHER, lock, 3/8
4	247318	1	LEVER ASSY., shuttle clutch, detent
		1	917356 WASHER, lock, 5/16
		1	917372 NUT, 5/16NC
		1	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		1	918452 PIN, cotter, 1/8 x 3/4
5	245462	1	SHELL ASSY., console
		5	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		5	916954 NUT, lock, 3/8NC
6	0245517-8	1	LOCK, neutral, S.C.
		2	916872 PIN, roll, 5/32 x 3/4
7	245498	1	COVER ASSY., console
		2	920787 CAPSCREW, 5/16NC x 1/2
		2	917356 WASHER, lock, 5/16
8	233770	2	KNOB, hand
9	0245473-4	1	LEVER ASSY., shuttle clutch (incl. Items 10 & 11)
10	245479	1	BUSHING, flange
11	245480	1	BUSHING, lever
12	245466	1	ROD ASSY., valve control
		1	911115 WASHER, plain, 13/32 x 13/16 x 1/16
		1	918452 PIN, cotter, 1/8 x 3/4
13	245513	1	YOKE, control rod
		1	910329 NUT, jam, 5/16NF
14	227731	1	SPRING, friction block
15	225265	2	WASHER, friction
		2	918265 WASHER, plain, pltd., 11/32 x 11/16 x 1/16
		1	919438 NUT, lock, pltd., 5/16NC
16	242038	*	PIN, swivel, control cable
			* 1 gasoline, console end; 2 diesel, both ends
		1	911114 WASHER, plain, 9/32 x 5/8 x 1/16
		1	900970 PIN, cotter, 1/16 x 1/2
17	245458	1	LEVER ASSY., throttle (incl. Item 18)
18	245461	1	BUSHING, throttle lever
19	245502	1	BRACKET ASSY., friction block
		2	921965 CAPSCREW, 3/8NC x 3/4
		2	916965 WASHER, lock, 3/8
20	249894	1	CABLE ASSY., throttle control (w/Diesel)
	251874	1	CABLE ASSY., throttle control (w/o Diesel)
21	243210	2	CLAMP, cable (two-piece)
		2	917452 SCREW, pltd., #10NF x 1/2
		2	922714 NUT, lock, #10NF
22	248476	1	QUADRANT, detent lever
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC
		2	911115 WASHER, plain, 13/32 x 13/16 x 1/16

(Continued)

104-64

CONSOLE SHELL & SHUTTLE CLUTCH CONTROL



ITEM	NUMBER	QTY.	DESCRIPTION
23	248474	2	SPACER, quadrant
24	228218	1	PIN, yoke pivot
	1 900970		PIN, cotter, 1/16 x 1/2
25	245512	1	BOLT, eye, spring
	2 916622		NUT, 1/4NC
26	248475	1	CLEVIS
27	243541	1	*PIN, cable clamp (diesel only)
	1 900970		PIN, cotter, 1/16 x 1/2
	1 918264		WASHER, pltd., 9/32 x 5/8 x 1/16
	1 920241		SCREW, pltd., 3/32NC x 3/8

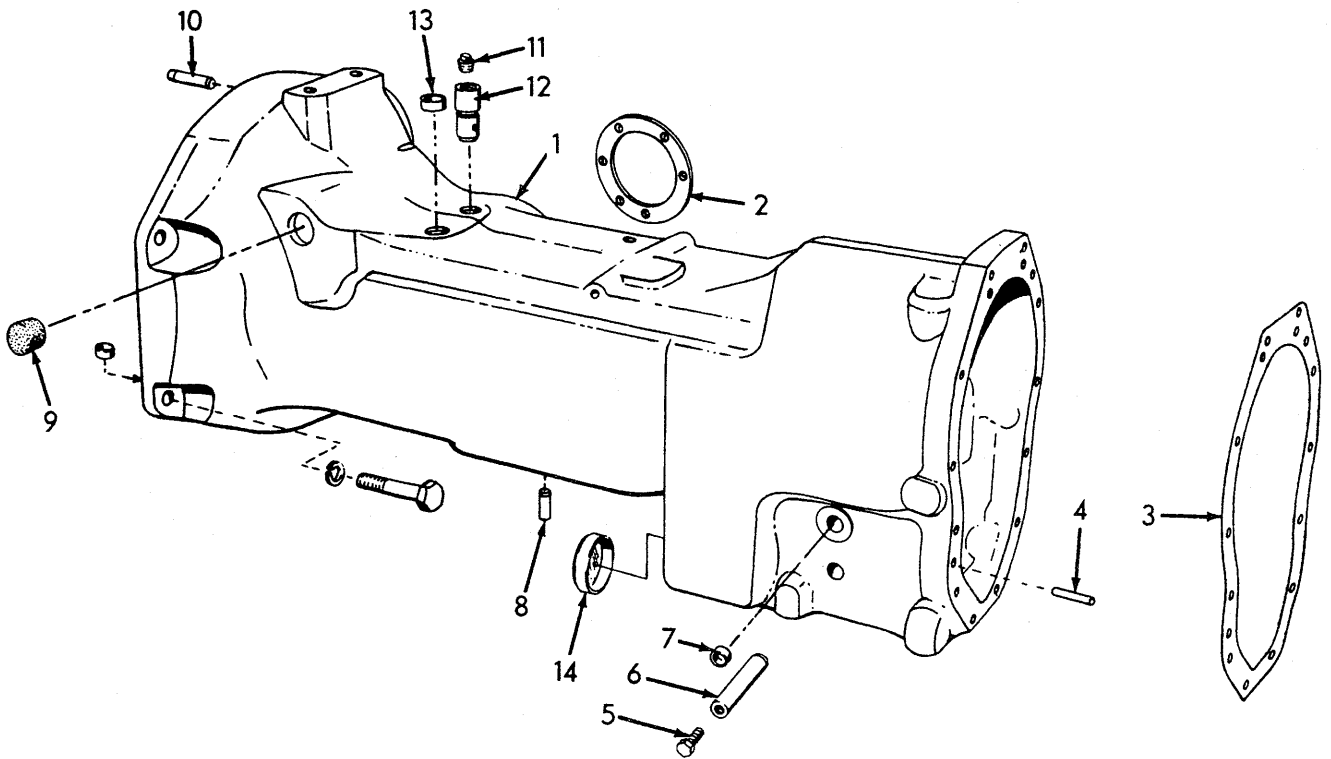
* Not Shown

TORQUE HOUSING

ITEM	NUMBER	QTY.	DESCRIPTION
1	0255210-7	1	HOUSING ASSY., (incl. Items 4 thru 13) (replaces 247960)
		3	920574 CAPSCREW, 1/2NC x 1-3/8, Gr. 8
		1	918887 PLUG, pipe, 3/8
		1	0243061-9 BUSHING, power shift
2	233244	1	GASKET
3	1003156-5	1	GASKET, torque housing to transmission
4	202532	4	PIN, dowel
5	917127	1	CAPSCREW, 1/2NF x 5/8
6	248405	1	RETAINER, spring,w/winch
	248491	1	PLUG, w/o winch
7	230322	1	PLUG
8	245164	2	PIN, dowel
9	245930	1	PLUG
10	248085	1	PIN, dowel
11	901651	1	PLUG, pipe, solid, 1/8
12	246340	1	RETAINER, detent, w/winch
	244910	1	PLUG, w/o winch
13	230322	1	PLUG
14	236297	1	PLUG, w/o winch

104-65

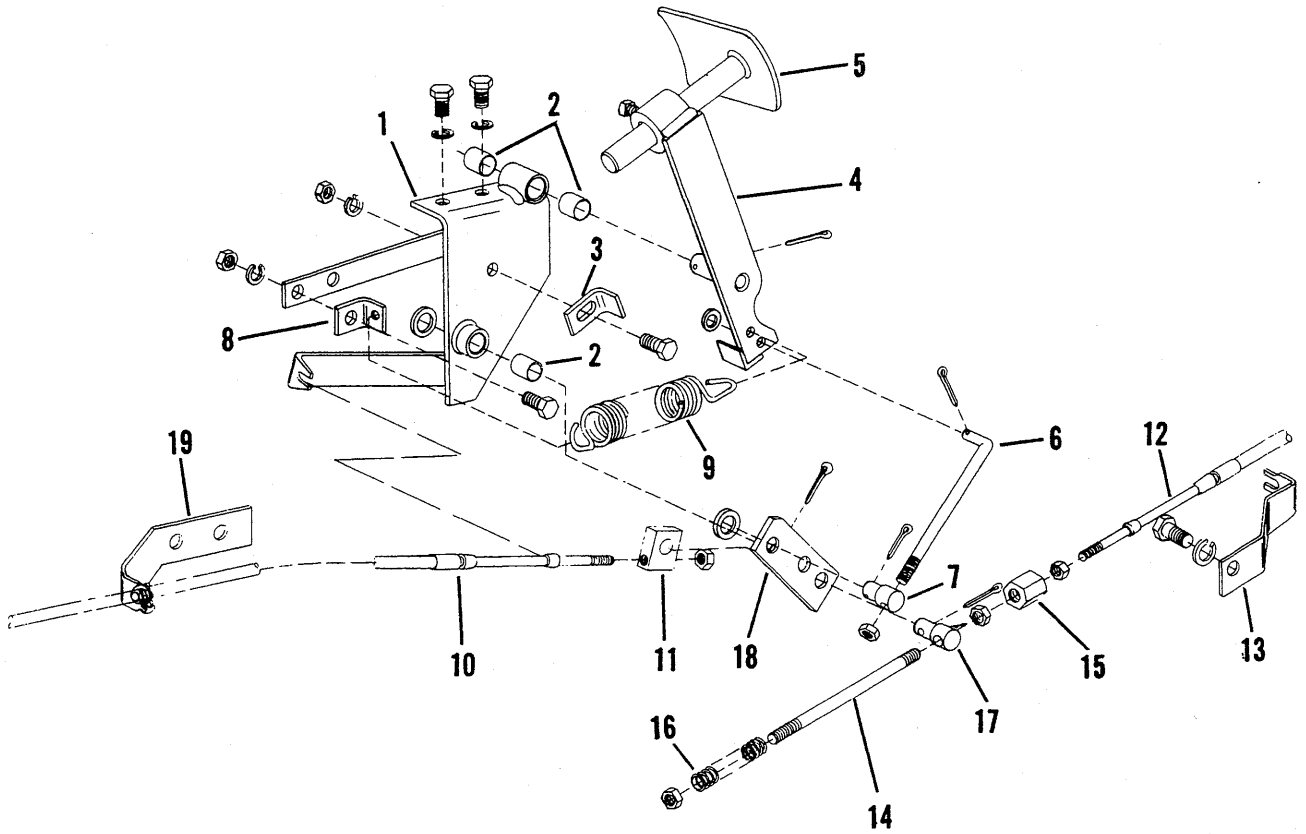
TORQUE HOUSING



DECELERATOR

ITEM	NUMBER	QTY.	DESCRIPTION
1	248710	1	BRACKET ASSY., w/ bushings
		2	921965 CAPSCREW, 3/8NC x 3/4 pltd.
		2	916965 WASHER, lock, 3/8
2	239532	3	BUSHING, (incl. in Item 1)
3	248724	1	STOP, pedal
		1	921210 CAPSCREW, 3/8NC x 7/8
		1	916965 WASHER, lock, 3/8
		1	916950 NUT, 3/8NC
4	248709	1	PEDAL ASSY.
		1	918448 PIN, cotter, 3/32 x 3/4
		1	901279 SCREW, set, 3/8NC x 1-1/4
5	245043	1	PAD ASSY.
6	253339	1	ROD, pedal
		1	911114 WASHER, plain, 1/4SAE
		1	900970 PIN, cotter, 1/16 x 1/2
		1	920397 NUT, 1/4NC
7	0253340-4	1	PIN, rod pedal
		1	918448 PIN, cotter, 3/32 x 1
		1	910244 WASHER, 1/2SAE
8	248716	1	BRACKET, spring
		1	921210 CAPSCREW, 3/8NC x 3/4
		1	916965 WASHER, lock, 3/8
		1	916950 NUT, 3/8NC
9	248723	1	SPRING, pedal return
10	248703	1	CABLE ASSY., front
11	0253331-3	1	CABLE, end
		1	918448 PIN, cotter, 3/32 x 1
12	0249894-7	1	CABLE ASSY., console
13	253332	1	BRACKET, cable
		1	923151 CAPSCREW, 5/8NC x 1-1/4
		1	917373 WASHER, lock, 5/8
14	0253333-9	1	ROD, spring
		1	920397 NUT, 1/4NC, lock
		1	911327 NUT, 1/4NC, jam
15	0253334-7	1	COUPLING, rod end
16	0253335-4	1	SPRING
17	0253336-2	1	PIN, pivot
		1	918448 PIN, cotter, 3/32 x 1
18	253337	1	LEVER ASSY., actuator
		1	910244 WASHER, 1/2SAE
19	248718	1	BRACKET, cable (for replacement only on old style)
		2	916254 CAPSCREW, 7/16NC x 1
		2	918199 WASHER, lock, 7/16
		2	911998 WASHER, plain, 15/32 x 1 x #10

104-66



TURBINE INPUT SHAFT

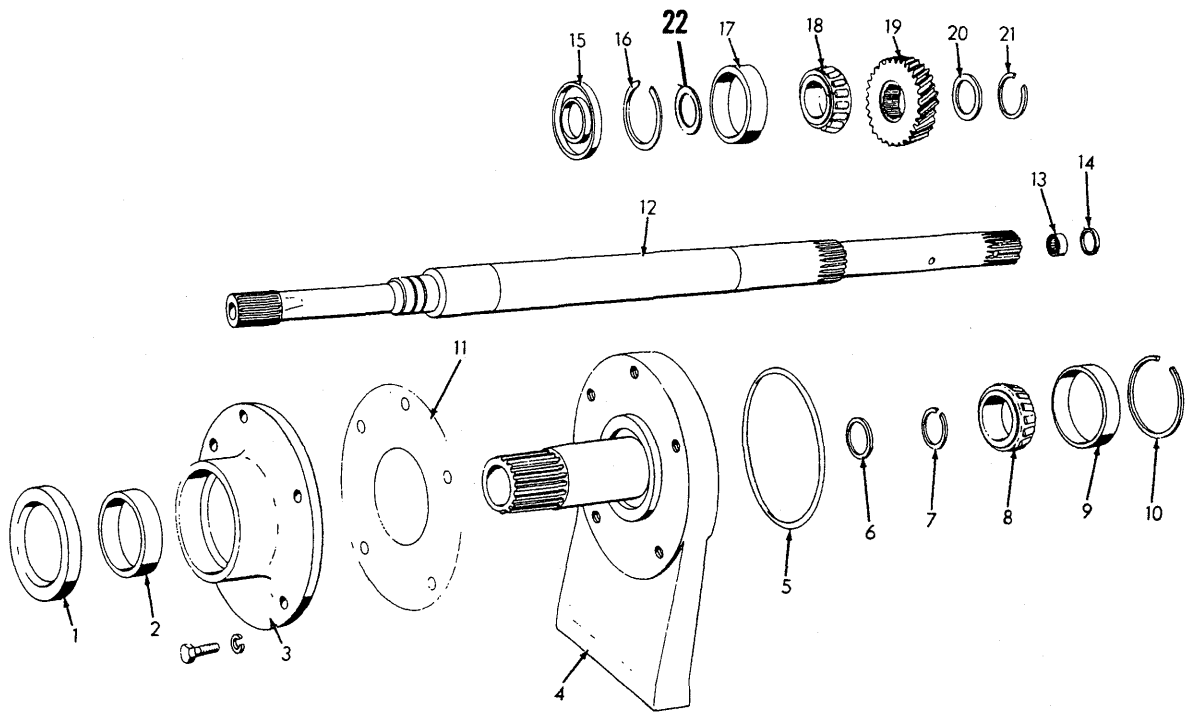
ITEM	NUMBER	QTY.	DESCRIPTION
1	4254152	1	SEAL, oil
2	-----	1	BUSHING, retainer (not serviced separately)
3	244885	1	RETAINER ASSY., stator support (incl. Item 2)
	4 921971		CAPSCREW, 3/8NC x 1-3/4, Gr. 5
	4 912301		WASHER, lock, 3/8
4	253274	1	SUPPORT, stator
	4 916269		CAPSCREW, 3/8NC x 7/8, Gr. 5
	4 912301		WASHER, lock, 3/8
5	227500	1	O-RING
6	4987617	1	RING, sealing
7	229456	1	RING, snap
8	211999	1	CONE, bearing
9	209890	1	CUP, bearing
10	225954	1	RING, snap
11	244886	1	GASKET, retainer
12	252436	1	SHAFT ASSY., turbine output (incl. Items 13 & 14)
13	229278	1	BEARING, turbine shaft
14	229279	1	SLEEVE, turbine shaft
15	247411	1	SEAL, oil
16	229856	1	RING, snap
17	042887	1	CUP, bearing
18	209899	1	CONE, bearing
19	244889	1	GEAR, drive
20	244890	*	WASHER, spacer
	236514	*	WASHER, spacer
21	236515	**	RING, snap, drive gear, .093"
	236516	**	RING, snap, drive gear, .097"
	236517	**	RING, snap, drive gear, .101"
	236518	**	RING, snap, drive gear, .105"
	236519	**	RING, snap, drive gear, .109"
	236520	**	RING, snap, drive gear, .113"
	236521	**	RING, snap, drive gear, .117"
	236522	**	RING, snap, drive gear, .121"
	236523	**	RING, snap, drive gear, .125"
	236524	**	RING, snap, drive gear, .129"
	236525	**	RING, snap, drive gear, .133"
	236526	**	RING, snap, drive gear, .137"
	239415	**	RING, snap, drive gear, .107"
	239416	**	RING, snap, drive gear, .111"
	239417	**	RING, snap, drive gear, .115"
	239418	**	RING, snap, drive gear, .119"
	239419	**	RING, snap, drive gear, .123"
	239420	**	RING, snap, drive gear, .127"
	239421	**	RING, snap, drive gear, .131"
	239422	**	RING, snap, drive gear, .135"
22	1003620-0	1	SPACER

* Select One

** Select Fit

104-67

TURBINE INPUT SHAFT



POWER SHUTTLE CLUTCH

ITEM	NUMBER	QTY.	DESCRIPTION
--	248647	1	CLUTCH ASSY., transmission
1	248039	1	HOUSING ASSY., front (incl. Item 2 & ball)
	1	915905	BALL, steel, #3, 3/8
	6	916393	CAPSCREW, 5/16NF x 1-1/2, Gr. 5
	6	919443	NUT, lock, pltd., 5/16NF
2	243216	1	BUSHING, front housing
3	232788	2	O-RING
4	243224	2	WASHER, thrust
5	229447	1	HUB, front
6	248042	2	PISTON, clutch actuating
7	228034	6	PLATE, driven
8	230253	8	PLATE, ASSY., driving
9	243225	1	PLATE, center
10	235677	1	HUB, rear
11	243217	1	HOUSING ASSY., rear (incl. 2 balls)
	2	915905	BALL, steel, #3, 3/8
12	243226	3	RING, sealing, clutch hub
13	243219	2	RING, sealing, clutch piston, inner
14	243220	2	RING, sealing, clutch piston, outer
15	223395	6	RING, snap
16	248046	6	SPRING, return
17	207152	6	WASHER, plain
18	245253	3	PIN, connecting, pressure plate
19	925200	2	SETSCREW, w/nylock, 5/16NC
	1	915771	BALL, 1/4", Gr. 3

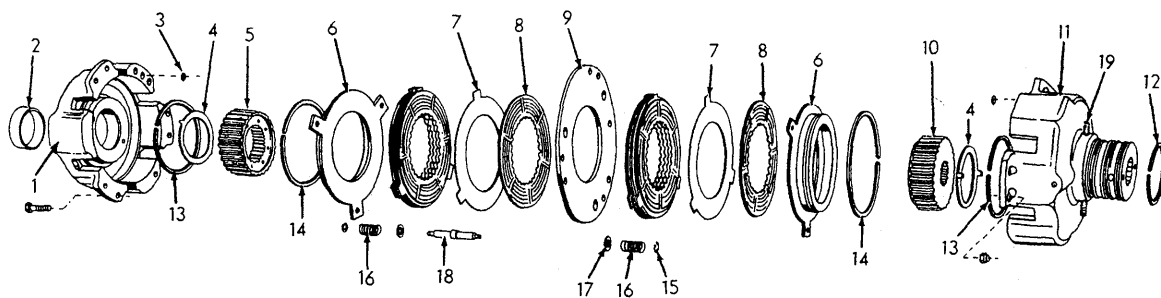
HOLLOW CLUTCH SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	252477	1	SHAFT ASSY., hollow, clutch (incl. Items 2 & 3)
2	-----	1	BUSHING, shaft, 1/2" long (order Item 1)
3	-----	1	BUSHING, shaft, 1" long (order Item 1)
4	229425	1	RING, snap
5	211169	1	CONE, bearing
6	212037	2	CUP, bearing
7	925100	1	NUT, lock, 2-1/4NF
8	229425	*	RING, snap, shaft bearing, .094"
	229527	*	RING, snap, shaft bearing, .100"
	229523	*	RING, snap, shaft bearing, .103"
	229524	*	RING, snap, shaft bearing, .106"
	229525	*	RING, snap, shaft bearing, .109"
	229526	*	RING, snap, shaft bearing, .097"
9	211169	1	CONE, bearing
10	235925	1	SPACER, bearing

* Select Fit

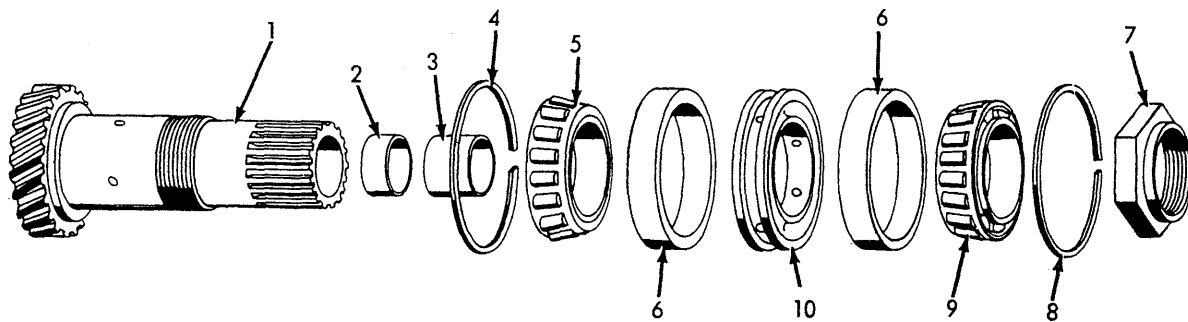
104-68

POWER SHUTTLE CLUTCH



104-69

HOLLOW CLUTCH SHAFT



IDLER SHAFT & GEAR
(Standard)

ITEM	NUMBER	QTY.	DESCRIPTION
1	247413	1	PLUG, idler shaft
2	244896	1	RING, snap
3	241380	2	CUP, bearing
4	225608	1	CONE, bearing
5	227827	1	RING, snap
6	244892	1	SHAFT, idler
7	244889	1	GEAR, idler shaft
8	323297	1	CONE, bearing
9	244894	*	RING, snap, idler shaft, .062"
	244895	*	RING, snap, idler shaft, .065"
	244896	*	RING, snap, idler shaft, .068"
	244897	*	RING, snap, idler shaft, .071"
	244898	*	RING, snap, idler shaft, .074"
	244899	*	RING, snap, idler shaft, .077"
	244900	*	RING, snap, idler shaft, .080"
	244901	*	RING, snap, idler shaft, .083"
	244902	*	RING, snap, idler shaft, .086"
	244903	*	RING, snap, idler shaft, .089"
	244904	*	RING, snap, idler shaft, .092"
	244905	*	RING, snap, idler shaft, .095"
	244906	*	RING, snap, idler shaft, .098"
	244907	*	RING, snap, idler shaft, .101"
	244908	*	RING, snap, idler shaft, .104"
10	244893	1	WASHER, idler shaft
		1	921871 CAPSCREW, 1/2NF x 1-1/4, Gr. 5

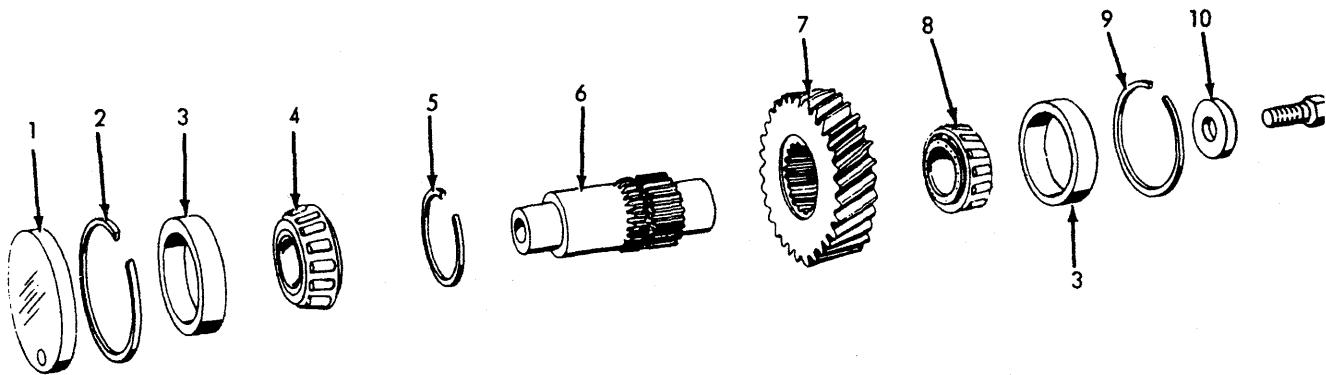
* Select Fit

IDLER SHAFT & GEARS
(w/Winch)

ITEM	NUMBER	QTY.	DESCRIPTION
1	227927	1	NUT, idler shaft
2	253564	1	NUT, gear end
3	243093	1	GEAR, driver
4	245992	1	SPACER
5	1003002-1	1	BEARING ASSY., roller
6	233882	3	RING, snap
7	253565	1	SHAFT, idler
8	244957	1	SPACER
9	244308	1	GEAR, driver
10	323297	2	CONE, bearing
11	242900	1	RING, snap
12	241380	2	CUP, bearing

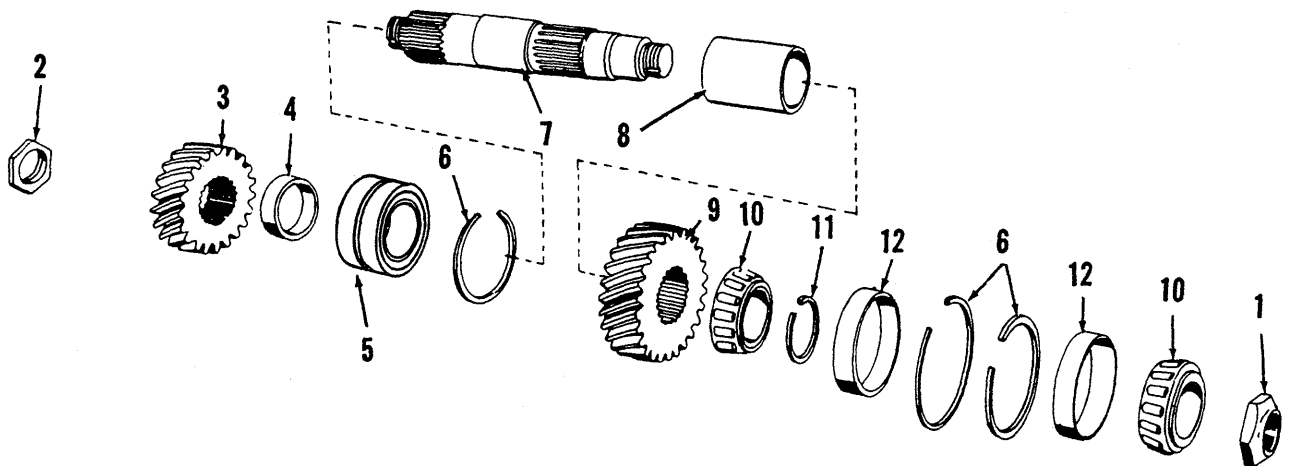
104-70

IDLER SHAFT & GEAR
(Standard)



104-71

IDLER SHAFT & GEARS
(w/Winch)



INTERMEDIATE SHAFT & GEAR

ITEM	NUMBER	QTY.	DESCRIPTION
1	247412	1	PLUG, intermediate shaft
2	242875	2	CUP, bearing
3	800449	2	CONE, bearing
4	242874	1	SHAFT, intermediate
5	244891	1	GEAR, intermediate shaft
6	242877	*	RING, snap, bearing adjusting, .080"
	242878	*	RING, snap, bearing adjusting, .082"
	242879	*	RING, snap, bearing adjusting, .084"
	242880	*	RING, snap, bearing adjusting, .086"
	242881	*	RING, snap, bearing adjusting, .088"
	242882	*	RING, snap, bearing adjusting, .090"
	242883	*	RING, snap, bearing adjusting, .092"
	242884	*	RING, snap, bearing adjusting, .094"
	242885	*	RING, snap, bearing adjusting, .096"
	242886	*	RING, snap, bearing adjusting, .098"
	242887	*	RING, snap, bearing adjusting, .100"
	242888	*	RING, snap, bearing adjusting, .102"
	242889	*	RING, snap, bearing adjusting, .104"
	242890	*	RING, snap, bearing adjusting, .106"
	242891	*	RING, snap, bearing adjusting, .108"
	242892	*	RING, snap, bearing adjusting, .110"

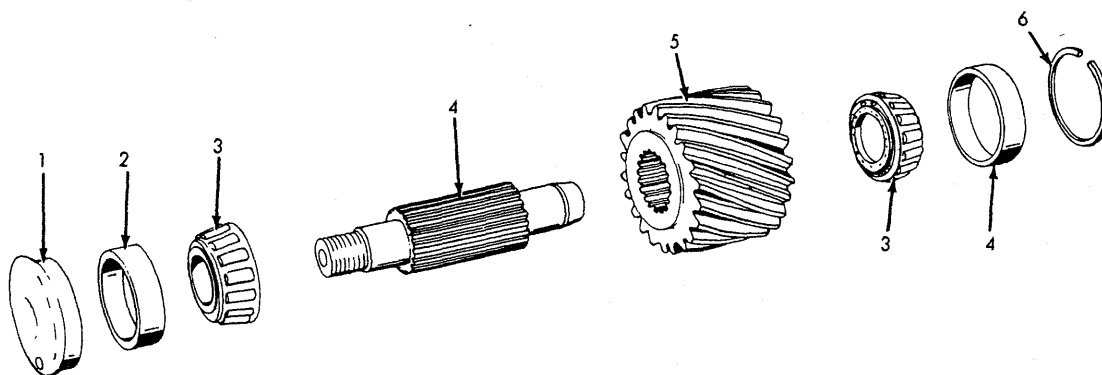
* Select Fit

WINCH SHIFTER

ITEM	NUMBER	QTY.	DESCRIPTION
1	227682	1	INSERT, shifter fork
2	232484	1	ARM, shifter
		1	922293 PIN, groove, 5/16 x 1-1/2
3	232984	1	O-RING, shifter lever
4	243059	1	SPRING, detent
		1	905360 BALL, 3/8
5	248405	1	RETAINER, detent spring
		1	917127 CAPSCREW, 1/2NF x 5/8
6	245533	1	LEVER ASSY., shifter
7	245534	1	ROD, shifter
		1	918452 PIN, cotter, 1/8 x 1

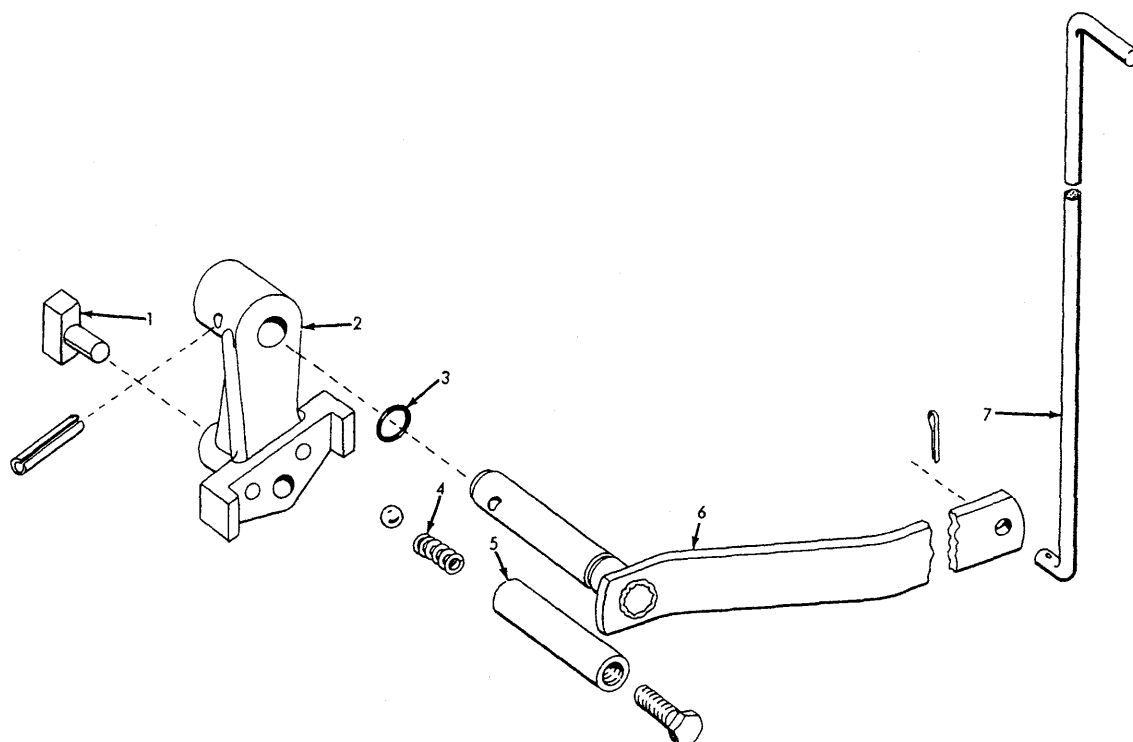
104-72

INTERMEDIATE SHAFT & GEAR



104-73

WINCH SHIFTER



FRONT SHAFT & HOUSING - WINCH DRIVE

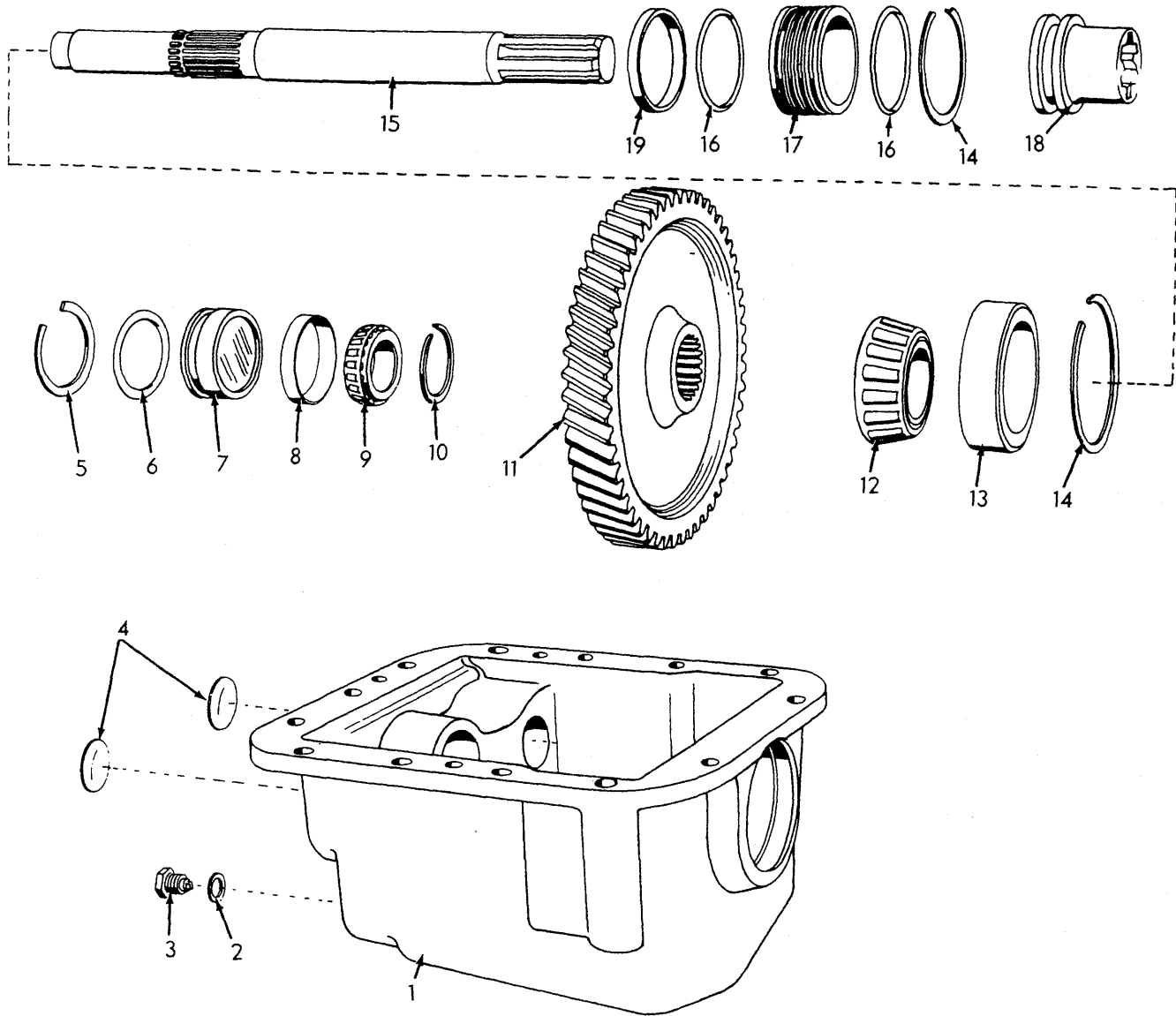
ITEM	NUMBER	QTY.	DESCRIPTION
1	243116	1	HOUSING ASSY., winch drive
	5		923390 SCREW, 12 pt., 3/8NC x 7/8, Gr. 8
	2		923391 SCREW, 12 pt., 3/8NC x 4, Gr. 8
	5		923485 CAPSCREW, 3/8NC x 7/8, Gr. 8
2	0226012-3	1	GASKET, drain plug
3	245856	1	PLUG, drain
4	243117	2	PLUG, core hole
5	228748	*	RING, snap, bearing, idler shaft, .069"
	242902	*	RING, snap, bearing, idler shaft, .071"
	228749	*	RING, snap, bearing, idler shaft, .073"
	242903	*	RING, snap, bearing, idler shaft, .075"
	228750	*	RING, snap, bearing, idler shaft, .077"
	242904	*	RING, snap, bearing, idler shaft, .079"
	228751	*	RING, snap, bearing, idler shaft, .081"
	239384	*	RING, snap, bearing, idler shaft, .083"
	228752	*	RING, snap, bearing, idler shaft, .085"
	239385	*	RING, snap, bearing, idler shaft, .087"
	228753	*	RING, snap, bearing, idler shaft, .089"
	239386	*	RING, snap, bearing, idler shaft, .091"
	228754	*	RING, snap, bearing, idler shaft, .093"
	239387	*	RING, snap, bearing, idler shaft, .095"
	228755	*	RING, snap, bearing, idler shaft, .097"
	239388	*	RING, snap, bearing, idler shaft, .099"
	228756	*	RING, snap, bearing, idler shaft, .101"
	239389	*	RING, snap, bearing, idler shaft, .103"
	239390	*	RING, snap, bearing, idler shaft, .107
	228757	*	RING, snap, bearing, idler shaft, .105"
	242905	*	RING, snap, bearing, idler shaft, .111"
	228758	*	RING, snap, bearing, idler shaft, .109"
6	242907	1	O-RING
7	242906	1	RETAINER
8	336916	1	CUP, bearing
9	341230	1	CONE, bearing
10	229456	1	RING, snap
11	243094	1	GEAR, driven
12	242911	1	CONE, bearing
13	242910	1	CUP, bearing
14	236299	2	RING, snap
15	244958	1	SHAFT, front
16	242913	2	O-RING
17	244960	1	SLEEVE
18	229310	1	COUPLING
19	244961	1	SEAL, oil

NOTE: When tractor is not equipped with WINCH DRIVE, the following is used:

(Continued)

104-74

FRONT SHAFT & HOUSING - WINCH DRIVE



FRONT SHAFT & HOUSING - WINCH DRIVE

ITEM	NUMBER	QTY.	DESCRIPTION
20	230320	1	*COVER, sump
		12	916269 CAPSCREW, 3/8NC x 7/8, Gr. 5
		1	921210 CAPSCREW, 3/8NC x 1, Gr. 5
		13	912301 WASHER, lock, 3/8
21	233249	1	GASKET
22	245856	1	PLUG
23	0226012-3	1	GASKET

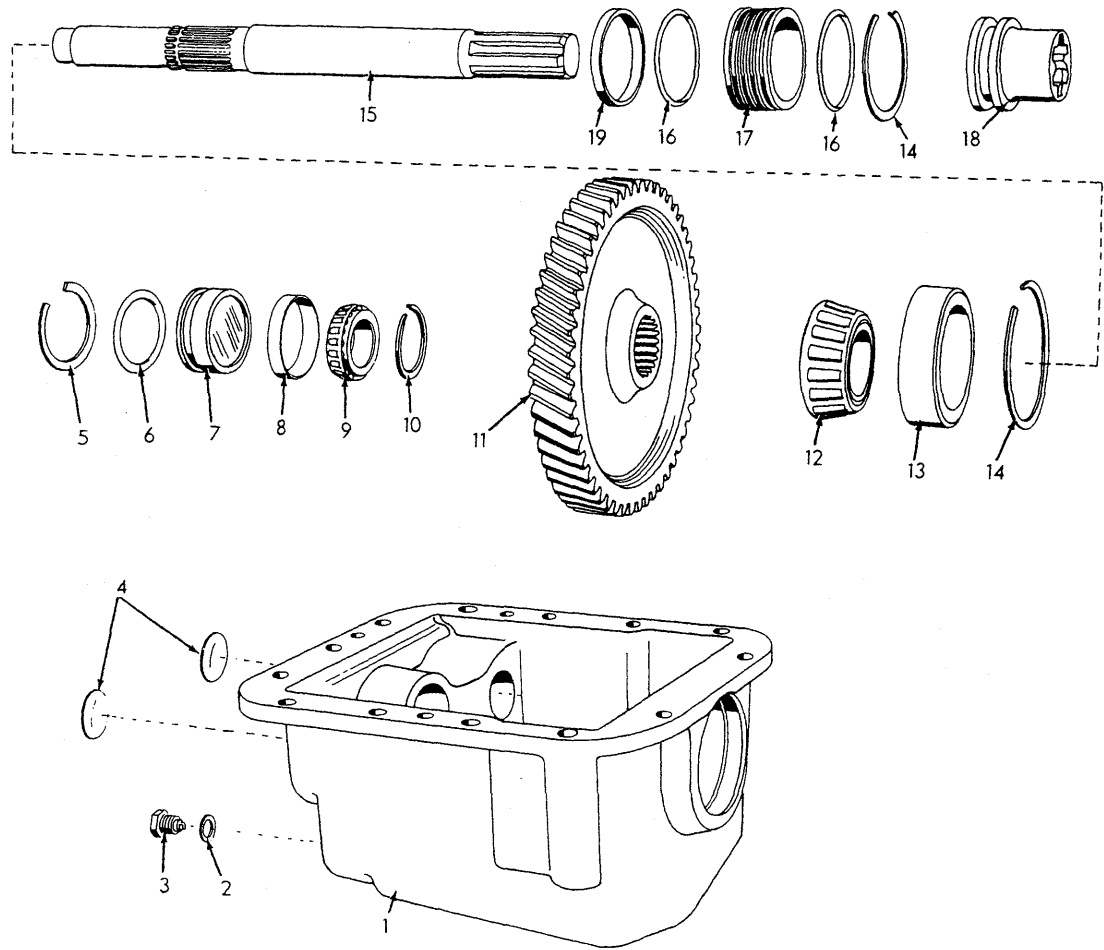
* Not Shown

REAR WINCH DRIVE SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	241779	1	SEAL, oil
2	0250530-3	1	RETAINER ASSY., (incl. Item 5)
3	923583	1	O-RING
4	222455	1	RING, snap
5	248164	1	BUSHING, (incl. in Item 2)
6	227679	2	SEAL, oil
7	0244962-7	1	SHAFT, winch drive
8	202329	1	RING, snap
9	0246637-3	1	WASHER, thrust
10	244963	1	COVER, transmission, rear

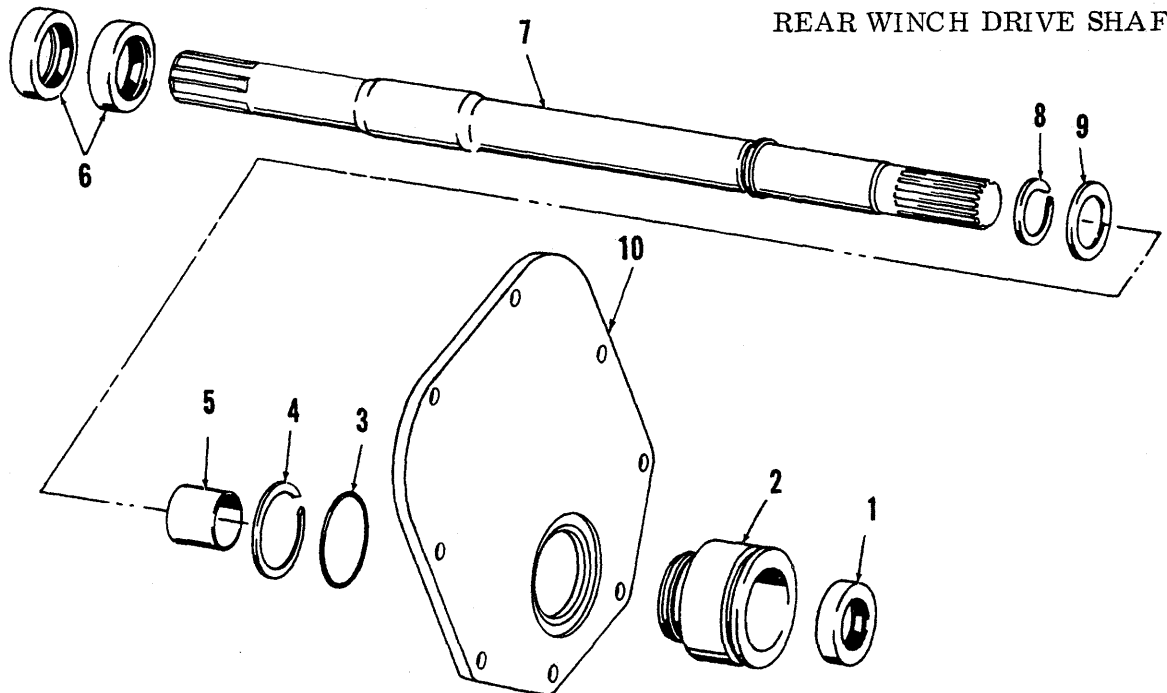
104-75

FRONT SHAFT & HOUSING - WINCH DRIVE
(Continued)



104-76

REAR WINCH DRIVE SHAFT



TRANSMISSION HOUSING

ITEM	NUMBER	QTY.	DESCRIPTION
--	244876	1	TRANSMISSION ASSY., (not serviced)
			1 227684 BUSHING
1	246918	1	HOUSING ASSY., transmission & differential (incl. winch drive bushing)
			1 910017 PLUG, expansion, w/o winch
2	246427	1	TUBE ASSY., oil filter
3	246305	1	CAP ASSY., w/dipstick
4	0234018-0	1	COVER, transmission, rear, w/o winch drive
	244963	1	COVER, transmission, rear, w/winch drive
			6 921176 CAPSCREW, 1/2NC x 1-1/4, Gr. 5
			2 919231 CAPSCREW, 1/2NC x 1-7/8, Gr. 5
			8 916966 WASHER, lock, 1/2
			2 916951 NUT, 1/2NC
5	233246	1	GASKET, transmission, rear, cover
6	225441	1	PLUG, drain
7	0226012-3	1	GASKET, drain plug
8	231128	1	PLUG
9	923154	10	CAPSCREW, 1/2NC x 1-1/2, Gr. 8 (use with Loc-Tite)
10	923473	2	CAPSCREW, 1/2NC x 1-1/4, Gr. 8 (use with Loc-Tite)

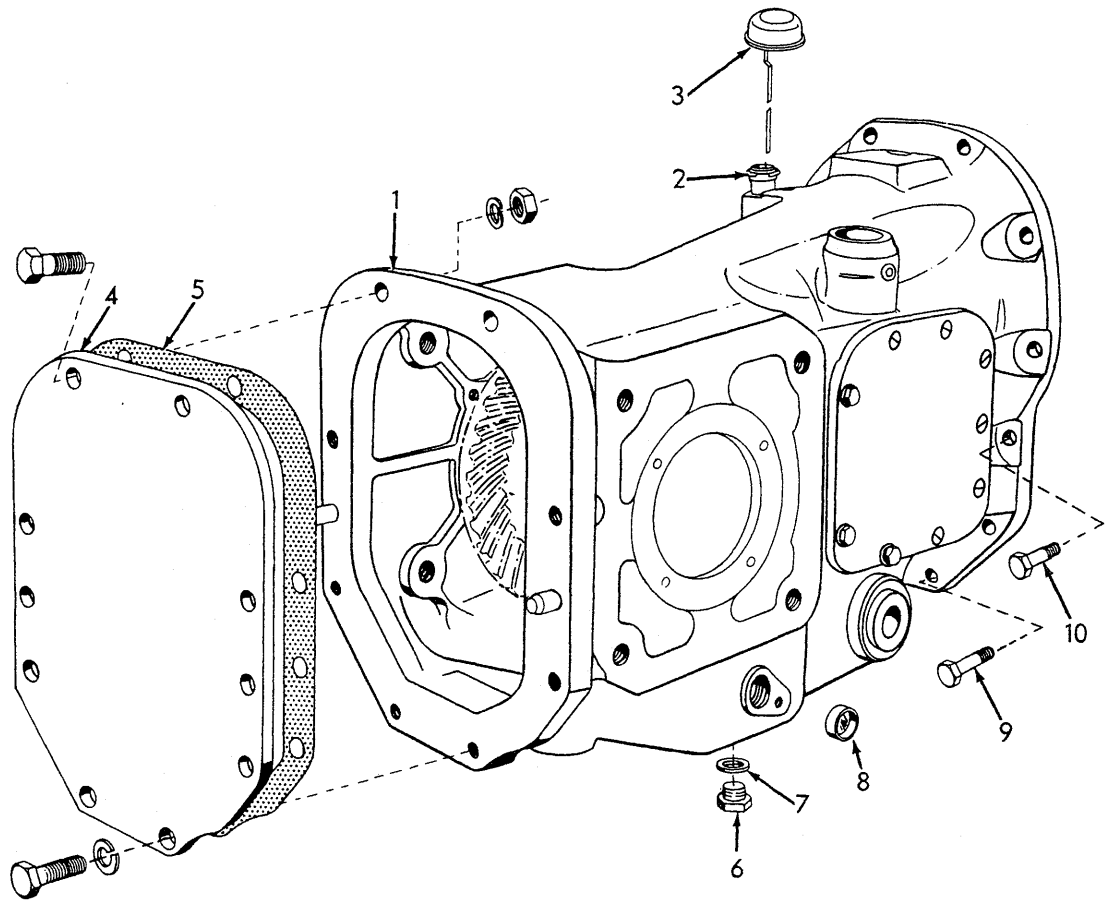
TRANSMISSION MAINSHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	246920	1	RING, snap
2	227666	2	CUP, bearing
3	246922	2	CONE, bearing
4	227827	2	RING, snap
5	246923	1	GEAR, mainshaft, 3rd
6	246919	1	MAINSHAFT, w/gear
7	246924	1	SPACER, 2nd & 3rd gear, mainshaft
8	246925	1	GEAR, 2nd, mainshaft
9	204085	1	RING, snap
10	246926	1	SEAL, oil
11	923816	1	O-RING
12	246979	*	SHIM, .004"
	246980	*	SHIM, .007"
	246981	*	SHIM, .010"
	246982	*	SHIM, .020"
13	246927	1	CAP, bearing, mainshaft
			4 919228 CAPSCREW, hex-hd, 7/16NC x 1-1/8, Gr. 5
			4 918199 WASHER, lock, 7/16

* Use as required

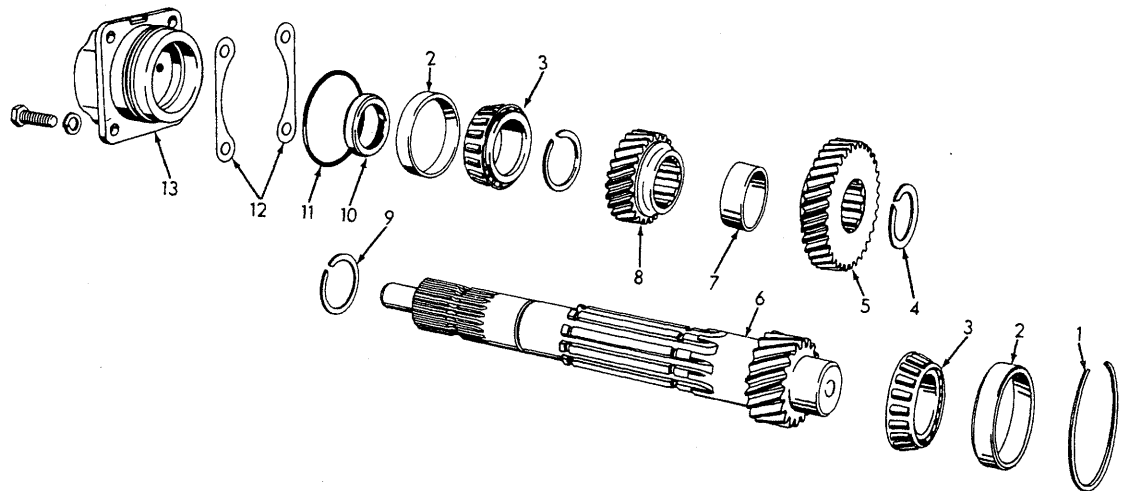
104-77

TRANSMISSION HOUSING



104-78

TRANSMISSION MAINSHAFT



TRANSMISSION PINION SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	246932	2	WASHER, thrust-
2	246933	1	GEAR, pinion shaft, 1st
3	246936	4	BUSHING, fluted
4	-----	1	SHAFT, pinion
5	246938	2	COUPLING, pinion shaft
6	246937	2	COLLAR, shift, pinion shaft
7	246934	1	GEAR, pinion shaft, 3rd
8	225400	*	RING, snap, .005"
	247519	*	RING, snap, .109"
	247520	*	RING, snap, .106"
	247521	*	RING, snap, .103"
9	246930	1	BEARING ASSY., (incl. cup & cone)
10	246935	1	GEAR, pinion shaft, 2nd
11	246939	1	WASHER, retaining, 2nd gear
12	225400	*	SHIM, .005"
	232248	*	SHIM, .006"
	232249	*	SHIM, .008"
13	246942	1	RING, snap
14	246940	1	CUP, bearing
15	246941	1	CONE, bearing
16	227927	1	NUT
17	246944	1	PLUG, pinion shaft
18	225948	4	PIN, lock

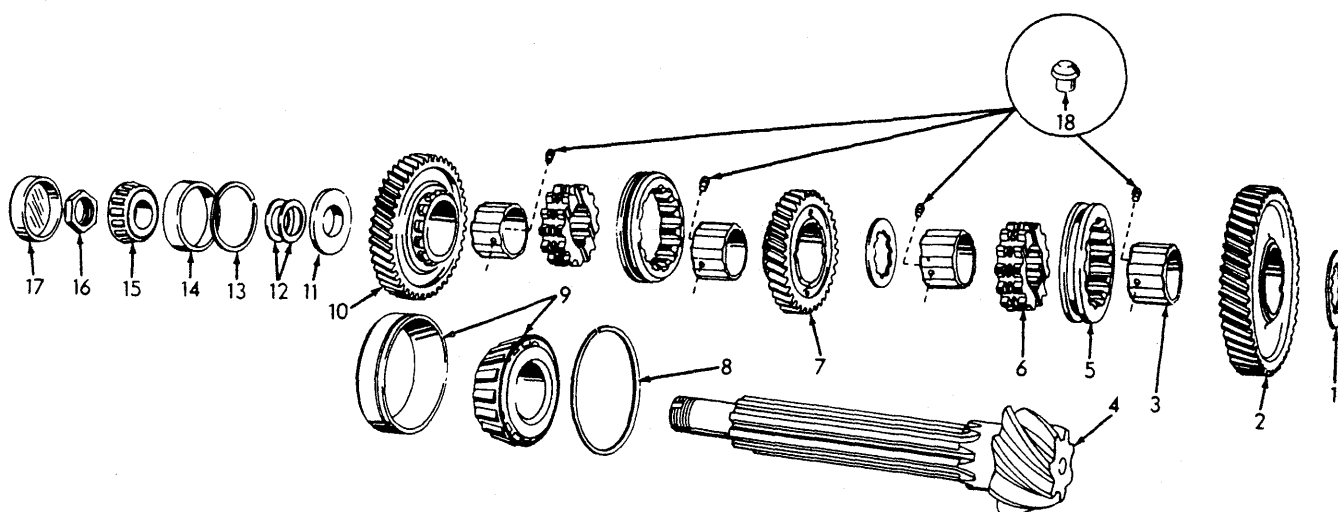
* Use as required

ASSEMBLIES & PACKAGES

--	247251	--	KIT, pinion shaft (incl. Item 4)
----	--------	----	----------------------------------

04-79

TRANSMISSION PINION SHAFT



TRANSMISSION GEAR SHIFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	228307	1	GASKET, control cover
2	246945	1	COVER, control
3	212785	1	SCREW, control cover
	233097	9	SCREW, control cover
4	202875	1	RING, snap, shift lever pivot washer
5	232192	1	COVER, dust, shift lever socket
6	243416	1	KNOB, shift lever
7	245821	1	LEVER, gear shift
8	207772	1	WASHER, shift lever
9	203465	2	PIN, pivot shift lever
		1	911006 PLUG, expansion, 5/16
10	246949	1	FORK, shift, 2nd & 3rd
11	246946	1	ROD, shift, 2nd & 3rd
12	246950	1	FORK, shift, 1st
13	246947	1	ROD, shift, 1st
14	202864	2	SETSCREW, 2nd & 3rd fork
15	-----	2	WIRE, lock, shift fork (use 18" of 910815 for each)
16	224925	4	SPRING, detent, shift rod
17	905360	6	BALL, detent, shift rod, steel, 3/8
18	246948	1	WASHER, stop

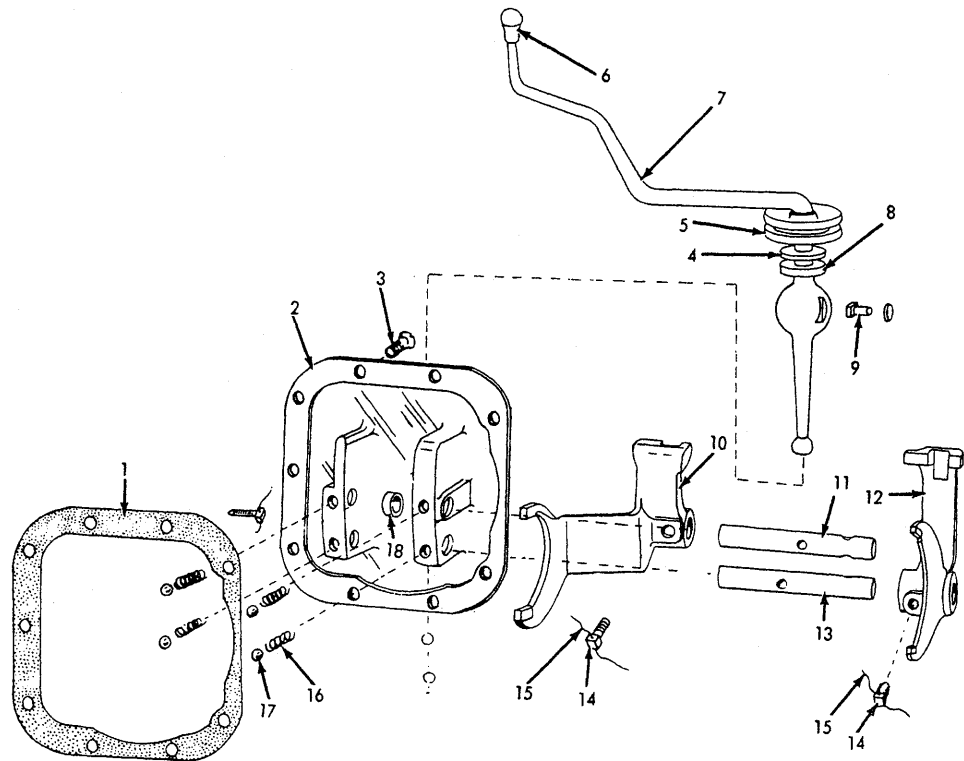
PINION SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	227598	2	RING, snap
2	1003495-7	1	PLUG, FINAL DRIVE (replaces 241284)
3	0923584-7	1	O-RING (replaces 233721)
4	921168	1	CAPSCREW, 5/8NF x 2, Gr. 5 (use w/Loc-Tite & Gr. T Primer)
5	1003407	1	WASHER ASSY., (incl roll pin)
		1	917947 PIN, roll, 3/16 x 1/2
6	237929	*	SHIM
7	222214	1	CONE, bearing
8	227678	1	CUP, bearing
9	209897	1	CUP, bearing
10	0606897-7	1	CONE, bearing (replaces 234956)
11	1003344-7	1	SEAL, oil (replaces 1003344 & 229105)
12	0233717-8	1	SHAFT, Pinion used with 0252551-7 (replaces 233717)
	1003722-4	1	SHAFT, Pinion used with 1003724-0
		6	922605 CAPSCREW, hex-hd, pltd., 3/8NF x 1-1/4, Gr. 8 (used with 0233717-8)
		6	916965 WASHER, lock, 3/8 (used with 0233717-8)
		6	9003720-8 Place Bolt, 1/2 (used with 1003724-0)
13	218648	*	SHIM

* Use as required

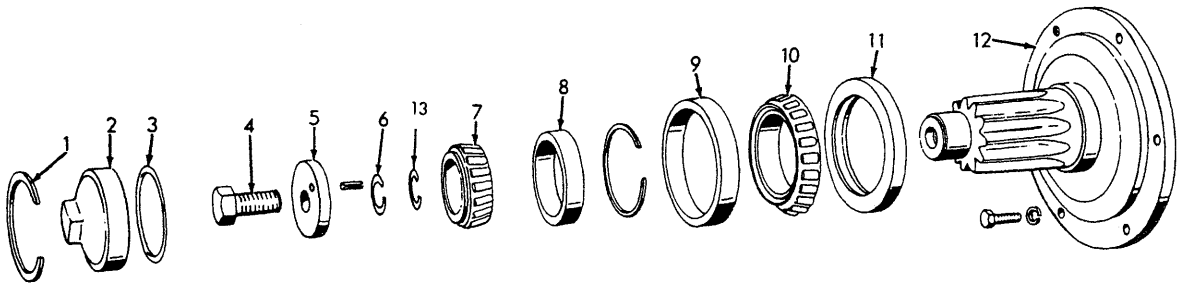
104-80

TRANSMISSION GEAR SHIFT



104-81

PINION SHAFT

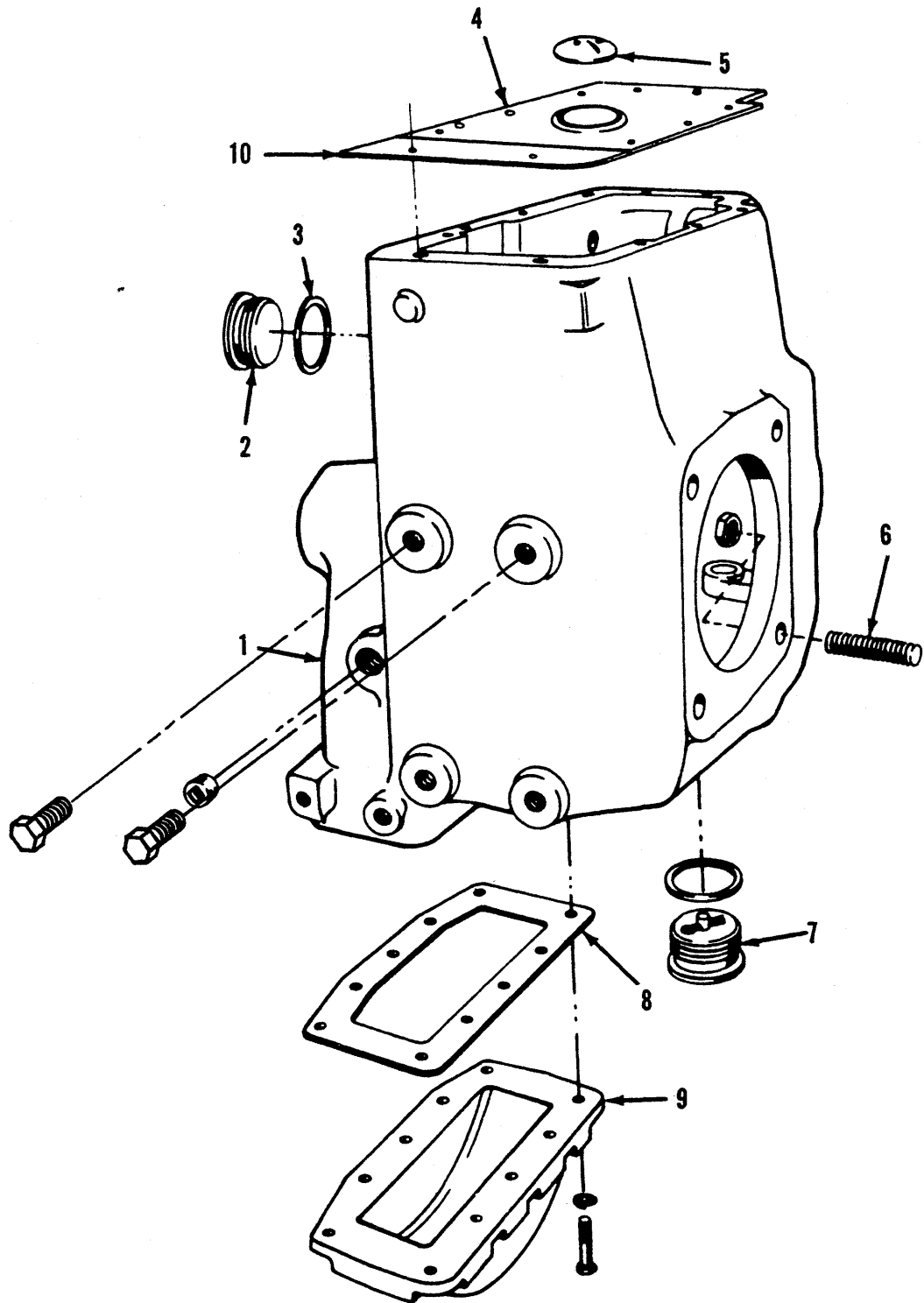


FINAL DRIVE HOUSING

ITEM	NUMBER	QTY.	DESCRIPTION
--	1003392-6	1	HOUSING ASSY., final drive, R.H. (replaces 254538)
--	1003391-8	1	HOUSING ASSY., final drive, L.H. (replaces 254539)
1	0254536-6	1	HOUSING, final drive, R.H.
	0254537-4	1	HOUSING, final drive, L.H.
		2	926125 CAPSCREW, hex-hd, 3/4NC x 1
		1	917686 PLUG, pipe, ctsk, sq-sckt, 3/4
		1	1003410-6 PLUG
2	234539	2	PLUG, drain (incl. Item 3)
3	235948	4	GASKET, plug
4	247406	1	COVER, front, R.H. (steering clutch)
	247407	1	COVER, front, L.H. (steering clutch)
		7	921965 CAPSCREW, 3/8NC pltd. x 3/4, Gr. 5
		7	916965 WASHER, lock, 3/8 pltd.
		2	923114 CAPSCREW, 1/2NC pltd. x 1, Gr. 5
		2	916966 WASHER, lock, 1/2 pltd.
5	233944	2	COVER ASSY.
6	227525	8	STUD
		1	924008 NUT, lock, 3/4NC
7	234964	2	PLUG ASSY., (incl. rivet, pin & Item 3)
	234539	2	PLUG ASSY., (used on muddy conditions)
		1	918448 PIN, cotter, 3/32 x 1
8	247874	1	GASKET, pan
9	0240439-0	1	PAN, final drive
		10	916269 CAPSCREW, 3/8NC x 7/8, Gr. 5
		10	916965 WASHER, lock, 3/8
10	247408	1	COVER, rear, R.H. (steering clutch)
	247409	1	COVER, rear, L.H. (steering clutch)
		7	921965 CAPSCREW, 3/8NC x 3/4, pltd., Gr. 5
		7	916965 WASHER, lock, 3/8 pltd.
		2	923114 CAPSCREW, 1/2NC x 1, pltd., Gr. 5
		2	916966 WASHER, lock, 1/2, pltd.

104-82

FINAL DRIVE HOUSING



DRIVE SHAFT & RING GEAR
(R. H. Side Shown)

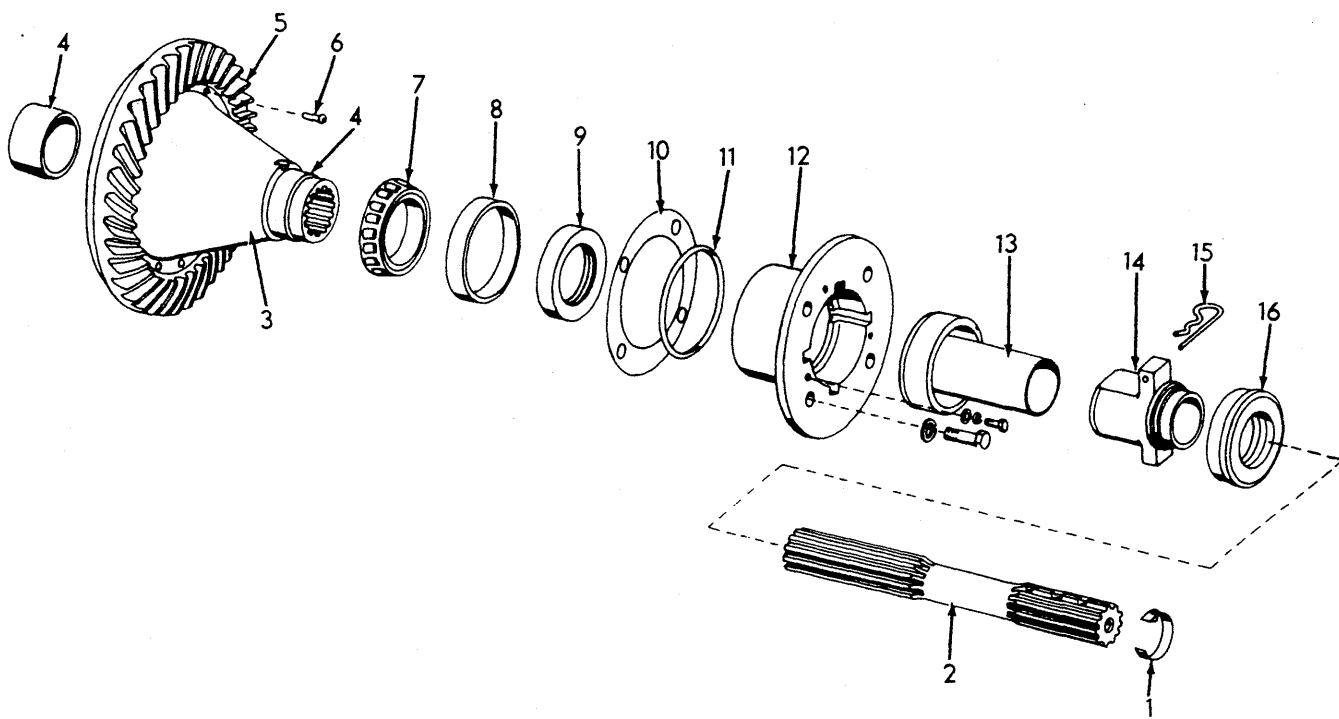
ITEM	NUMBER	QTY.	DESCRIPTION
1	233906	2	RETAINER ASSY., drive shaft
2	0252653-1	2	SHAFT, drive
3	246951	1	HOUSING ASSY., differential (incl. Item 4)
4	237246	2	SLEEVE, wear
5	-----	1	GEAR, ring
6	-----	12	BOLT, ring gear w/o nut
		1	919443 NUT, lock, pltd., 5/16NF
7	234011	2	CONE, bearing
8	234010	2	CUP, bearing
9	234013	2	SEAL, oil
10	224747	*	SHIM, retainer, carrier bearing
	206579	*	SHIM, retainer, carrier bearing
	206581	*	SHIM, retainer, carrier bearing
11	923817	2	O-RING
12	234012	2	RETAINER, carrier bearing
		8	921212 CAPSCREW, 7/16NC x 1-1/2, Gr. 5
		8	918199 WASHER, lock, 7/16
13	234050	2	SLEEVE ASSY., clutch shifter
		3	921958 CAPSCREW, 1/4NC x 1-1/2, Gr. 5
		3	916964 WASHER, lock, 1/4
		3	911114 WASHER, plain, 9/32 x 5/8 x 1/16
14	233892	2	CARRIER, bearing, clutch release
15	225152	2	PIN, quick hitch
16	233893	2	BEARING, clutch release

* Use as required

ASSEMBLIES & PACKAGES

--	247251	--	KIT, pinion shaft (incl. Item 5)
--	248490	--	KIT, bolt (differential ring gear, incl. Item 6)

104-83

DRIVE SHAFT & RING GEAR
(R. H. Side Shown)

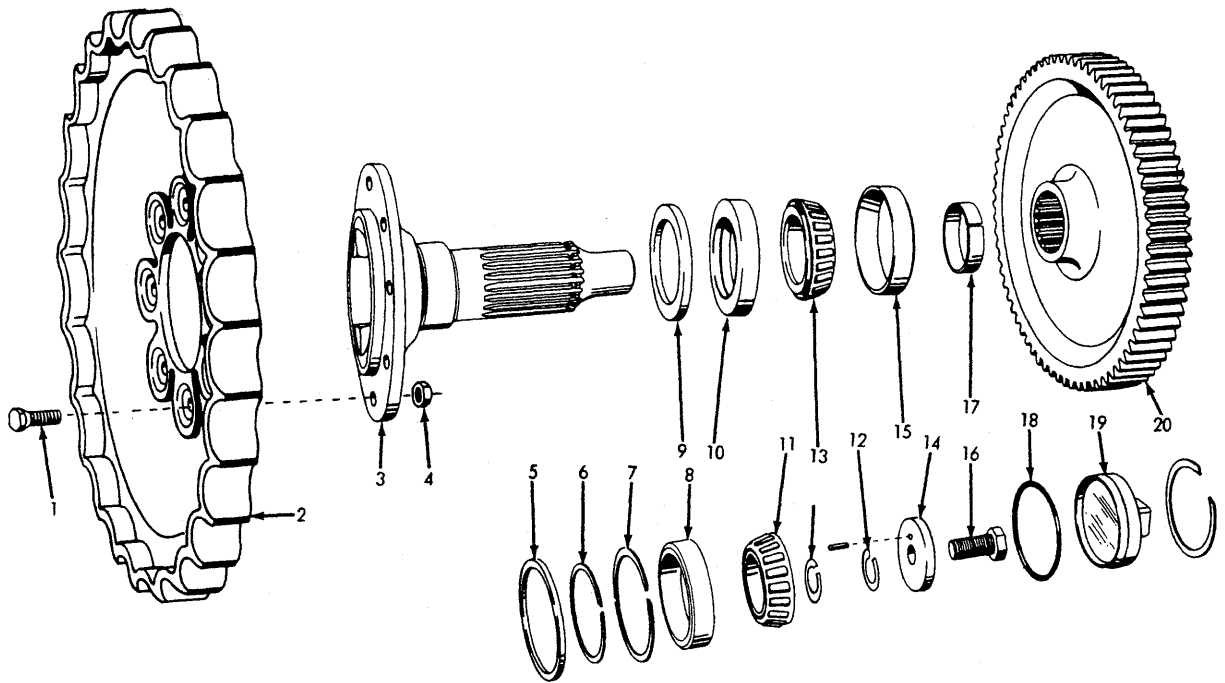
SPROCKET & AXLE
Final Drive

ITEM	NUMBER	QTY.	DESCRIPTION
1	241032	8	CAPSCREW
2	0250151-8	1	SPROCKET (skeleton)
	0250152-6	1	SPROCKET (full)
3	240191	1	AXLE
4	241033	8	NUT, lock
5	233727	1	SPACER
6	229113	1	RING, snap, external
7	227598	2	RING, snap, internal
8	235440	1	CUP, bearing
9	0237047-6	1	RING, seal, protector
10	239238	1	SEAL, oil
11	235439	1	CONE, bearing
12	237929	*	SHIM
13	4251113-5	1	CONE, bearing
14	1003407-2	1	WASHER ASSY., (incl. roll pin) 1 917947 PIN, roll, 3/16 x 1/2
15	202584	1	CUP, bearing
16	921168	1	CAPSCREW, 5/8NF x 2, Gr. 8 (use w/ Loc-Tite & Gr. T primer)
17	244787	1	SPACER, final drive gear
18	0923584-1	1	O-RING (replaces 233721)
19	1003495-7	1	PLUG, final drive (replaces 241284)
20	1003412	1	GEAR, final drive
21	218648	*	SHIM

* Use as required

104-84

SPROCKET & AXLE
Final Drive

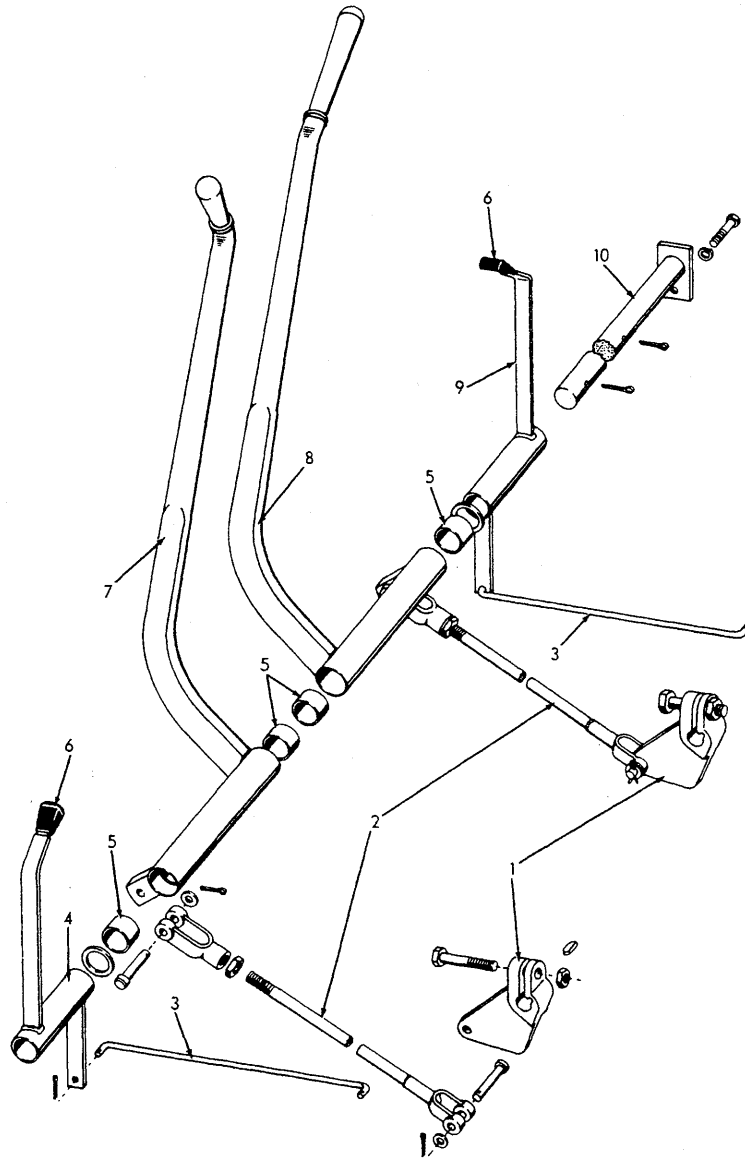


STEERING CLUTCH & HAND BRAKE CONTROLS

ITEM	NUMBER	QTY.	DESCRIPTION
1	0244979-1	2	LEVER, steering clutch
		1	905850 KEY, sq, 3/16 x 3/16 x 1
		1	921525 CAPSCREW, pltd., 1/2NC x 1-3/4, Gr. 8
		1	915607 CAPSCREW, top, 1/2NC x 2-12, full thrd.
		1	910510 NUT, jam, 1/2NC
2	0251556-7	2	ROD ASSY., steering clutch
		2	917666 YOKE, adj., 1/2 - 20NF
		2	917648 PIN, yoke, 1/2
		6	922095 WASHER, plain, 1-9/32 x 1-3/4 x #16 (use as required)
		4	918452 PIN, cotter, 1/8 x 1
3	250538	2	ROD, hand brake
		2	904020 PIN, cotter, 1/16 x 1
4	250101	1	LEVER ASSY., hand brake, L.H.
5	244975	4	BUSHING, lever shaft
6	229816	2	KNOB, hand lever
7	244967	1	LEVER ASSY., steering clutch, L.H. (incl. 2 of Item 5)
8	244966	1	LEVER ASSY., steering clutch, R.H. (incl. 2 of Item 5)
9	250100	1	LEVER ASSY., hand brake, R.H.
10	1003459	1	SHAFT ASSY., levers
		1	921210 CAPSCREW, 3/8NC x 1
		1	916965 WASHER, lock, 3/8
		6	922095 WASHER, plain, 1-9/32 x 1-3/4 x #16 (use as required)
		2	922002 PIN, cotter, 3/16 x 2

104-85

STEERING CLUTCH & HAND BRAKE CONTROLS

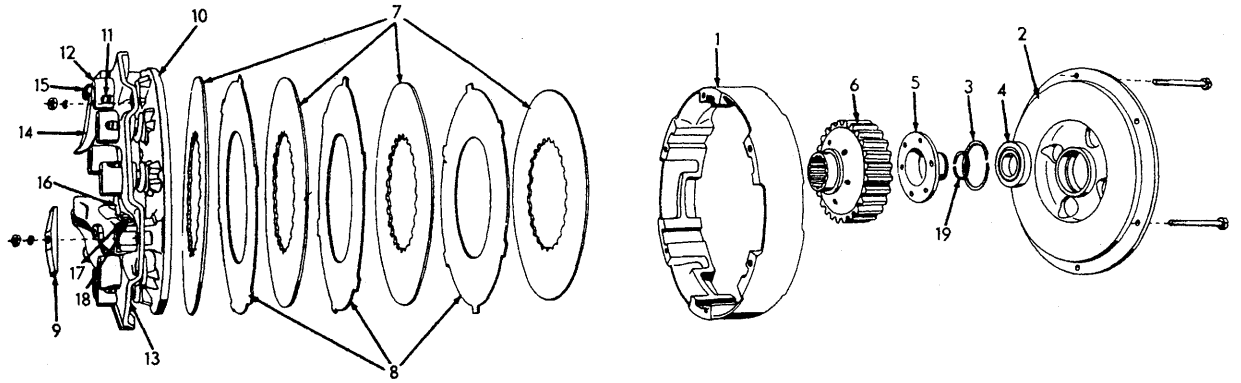


STEERING CLUTCH

ITEM	NUMBER	QTY.	DESCRIPTION
--	0254685-1	2	CLUTCH ASSY., steering
1	0252552-5	2	DRUM, brake
2	0252551-7	2	FLYWHEEL, clutch (Used with 0233717-8)
	1003724-0	2	FLYWHEEL, clutch (Used with 1003722-4)
		3	926153 CAPSCREW, 3/8NC x 4-1/2, Gr. 8
		3	926696 NUT, lock, pltd., 3/8NC
3	233882	2	RING, snap
4	254684	2	BEARING, pilot
5	0233884-0	2	PILOT, bearing
		6	915813 CAPSCREW, 5/16NC x 7/8, Gr. 5
		6	917356 WASHER, lock, 5/16
6	0233885-3	2	HUB, driving, disc
7	233887	8	DISC, driving (Used with 0233717-8)
	1003719-0	8	DISC, driving (Used with 1003722-4)
8	0233886-1	6	DISC, driven
9	0252546-7	3	CLAMP, pressure plate
		2	918062 CAPSCREW, 3/8NC x 3-1/2, Gr. 8
		2	926696 NUT, lock, pltd., 3/8NC
10	230423	2	PLATE, pressure
	252548	2	PLATE, ASSY., pressure (incl. Items 11 thru 18 & seat and clip)
11	233889	18	SPRING, pressure
12	234073	18	CUP, spring
13	252549	2	PLATE ASSY., back (incl. seat)
14	230380	6	LEVER, release
15	229601	6	SCREW, adjusting
		3	910876 NUT, jam, 7/16NF
16	230361	6	SPRING, lever
17	229603	6	PIN, lever
		3	918448 PIN, cotter, 3/32 x 5/8
18	229814	6	WASHER, spring
19	229285	2	RING, snap pilot bearing

104-86

STEERING CLUTCH

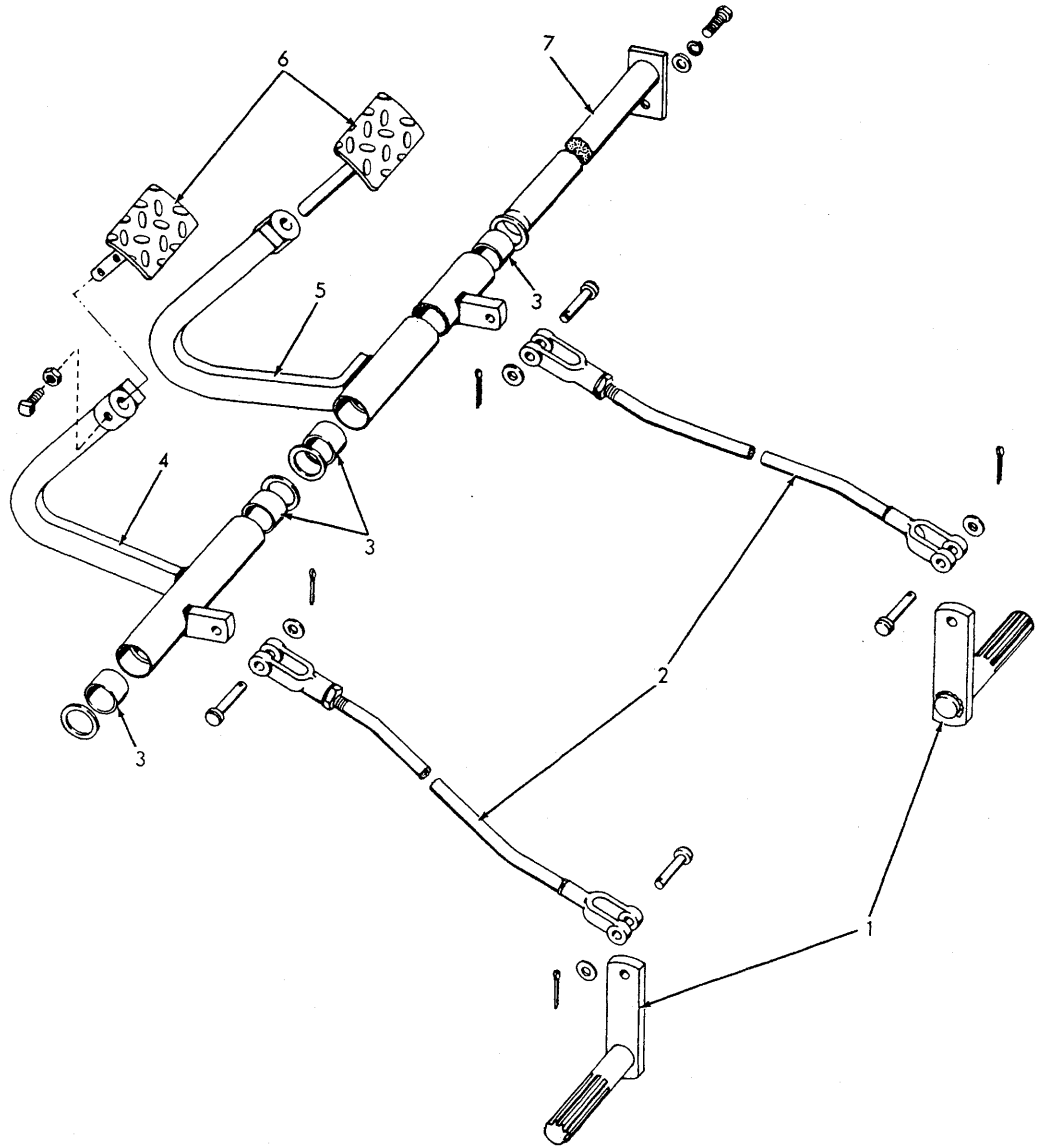


BRAKE PEDALS & LINKAGE

ITEM	NUMBER	QTY.	DESCRIPTION
1	245041	2	SHAFT ASSY., brake
2	247405	2	ROD, brake
		2	917666 YOKE, 1/2 to 20
		2	0913177-2 NUT, jam, 1/2NF
		4	917648 PIN, yoke, 1/2
		4	918452 PIN, cotter, 1/8 x 1
3	244975	4	BUSHING, pedal shaft
4	245037	1	PEDAL ASSY., brake, L.H. (incl. 2 of Item 3)
5	245031	1	PEDAL ASSY., brake, R.H. (incl. 2 of Item 3)
6	245043	2	PAD ASSY., brake pedal
		1	901279 SETSCREW, 3/8NC x 1-1/4
		1	912772 NUT, jam, 3/8NC
7	0245496-5	1	SHAFT ASSY., brake pedal
		1	921210 CAPSCREW, 3/8NC x 1
		1	917975 WASHER, lock, 3/8
		6	915714 WASHER, plain, 23/32 x 1-1/4 x #11

104-87

BRAKE PEDALS & LINKAGE

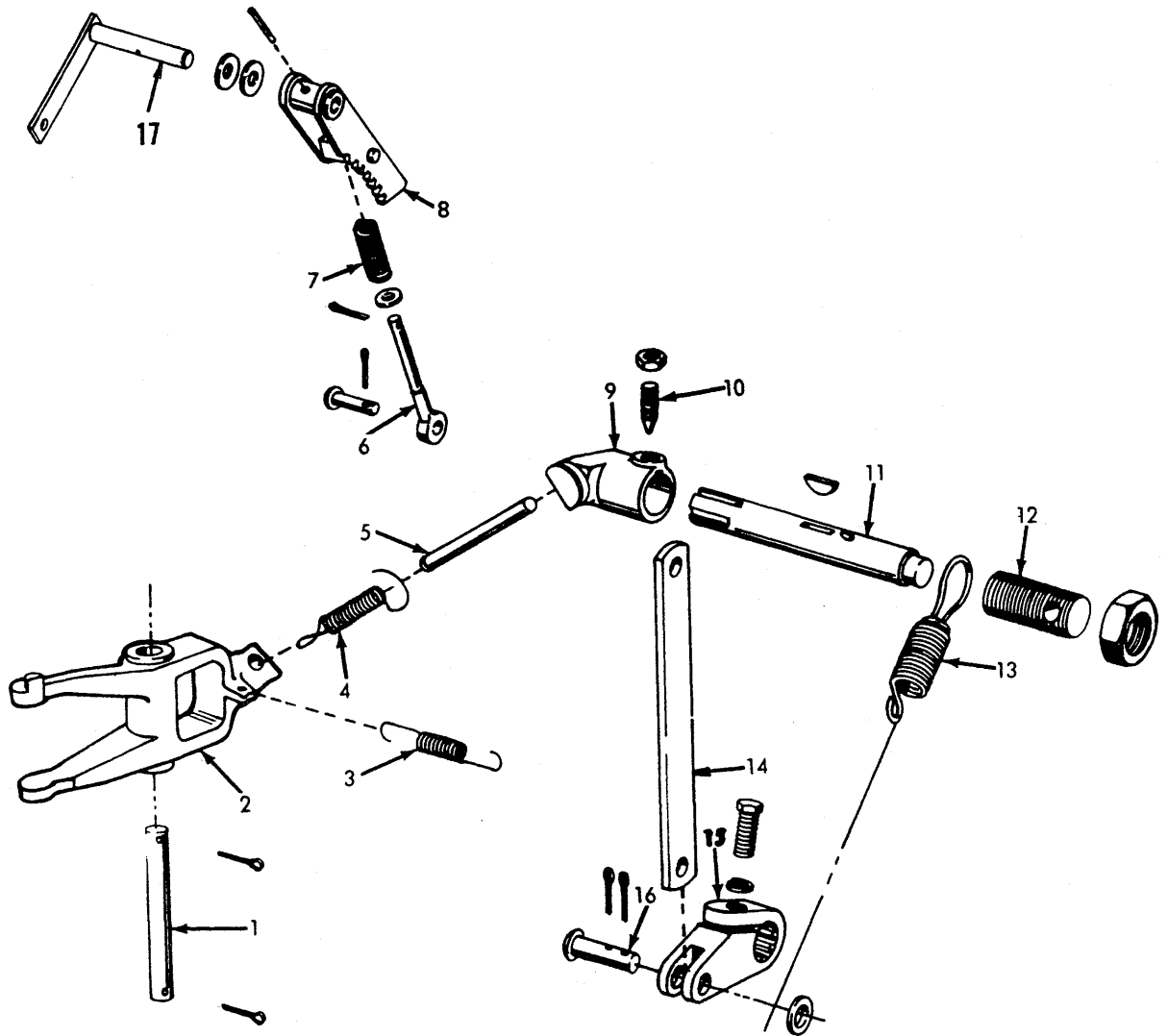


BRAKE LINKAGE & CLUTCH SHIFTER

ITEM	NUMBER	QTY.	DESCRIPTION
1	0233896-0	1	PIN, pivot clutch, fork
		2	925719 PIN, cotter, 1/8 x 1-1/4
2	0236882-7	1	FORK, clutch, R.H.
	0236881-9	1	FORK, clutch, L.H.
3	233902	1	SPRING, fork return
4	233901	1	SPRING, stilt
5	0233900-0	1	STILT, clutch shifter
6	233836	1	ROD, end
		1	921894 PIN, hd., drilled, 3/8 x 2 flared
		1	918452 PIN, cotter, 1/8 x 5/8
		1	918994 WASHER, plain, pltd., 21/64 x 5/8 x #20
		1	919315 PIN, cotter, 3/32 x 1/2
7	233837	1	SPRING, rod end
8	233843	1	LATCH ASSY., brake, L.H.
	233838	1	LATCH ASSY., brake, R.H.
		--	912333 WASHER, plain, 17/32 x 15/16 x #16 (as required)
		1	916936 PIN, roll, 5/32 x 7/8
9	0236877-7	1	LEVER, fork, L.H.
	0236878-5	1	LEVER, fork, R.H.
10	235403	1	SETSCREW, fork lever
		1	921893 NUT, jam, std-hvy, 7/16NC, pltd.
11	0233897-8	1	SHAFT, hand lever
		1	905125 KEY, woodruff, 3/16 x 1
12	233907	1	SCREW, adjusting
		1	910098 NUT, jam, 1-1/8NF
13	240356	1	SPRING, brake return
14	0233817-6	1	LINK
15	0233818-4	1	LEVER, brake link
		1	0919089-3 CAPSCREW, 1/2NC x 1-3/4
		1	916966 WASHER, lock, 1/2
16	233819	1	PIN, brake lever
		2	918458 PIN, cotter, 3/16 x 1
		1	912007 WASHER, plain, 17/32 x 7/8 x .148
17	249607	1	LEVER ASSY., brake latch, L.H.
	249608	1	LEVER ASSY., brake latch, R.H.

104-88

BRAKE LINKAGE & CLUTCH SHIFTER



BRAKE BAND & ARM

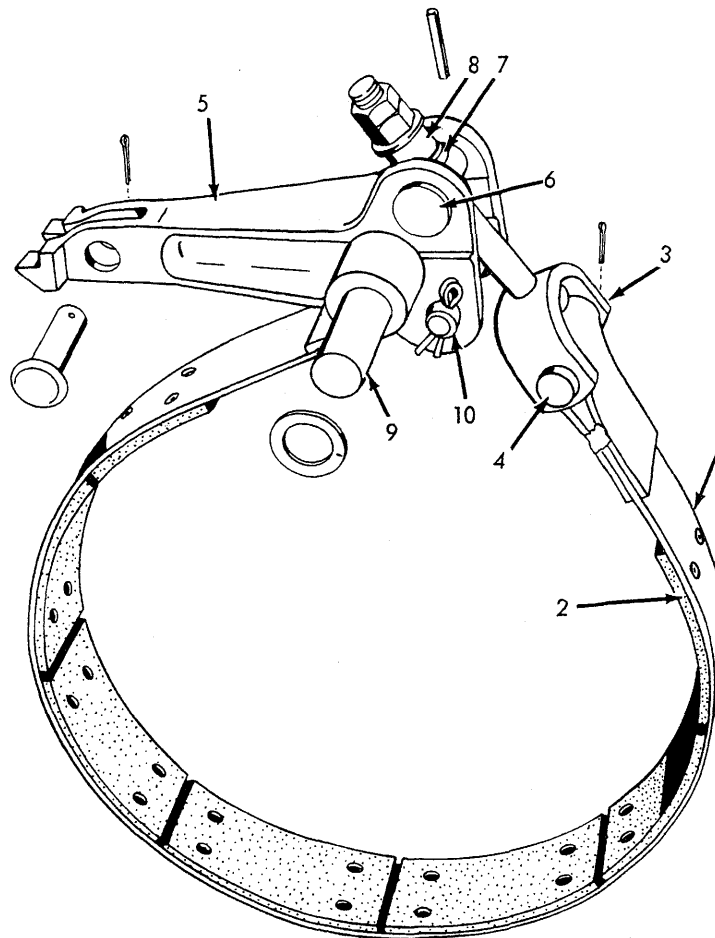
ITEM	NUMBER	QTY.	DESCRIPTION
1	1003749-7	2	BAND ASSY., brake (incl. Item 2) (replaces 025828)
2	-----	2	LINING, brake
3	233807	2	YOKE ASSY., (incl. belt)
		1	913744 NUT, jam, pltd., 1/2NC
		1	916951 NUT, pltd., 1/2NC
		1	917379 WASHER, plain, pltd., 17/32 x 1-1/16 x 3/32
4	233810	2	PIN, yoke
		1	918458 PIN, cotter, 3/16 x 1
5	233811	2	ARM, brake
		1	921373 PIN, link, pltd., 1/2 x 3/4
		1	918458 PIN, cotter, 3/16 x 1
6	233812	2	PIN, yoke, brake arm
7	0233813-5	2	PLATE, lock
8	0243360-5	2	HUB
9	233815	2	SHAFT, brake anchor
		3	915714 WASHER, plain, 23/32 x 1-1/4 x #11
		1	916937 PIN, roll, 1/4 x 1-1/4
10	233816	2	PIN, brake arm
		1	918458 PIN, cotter, 3/16 x 1
11	1003885-9	2	SPRING
ASSEMBLIES & PACKAGES			
--	251822	--	KIT, lining (incl. Item 2)

SUPPORT ROLLER

ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	--	HOUSING ASSY., (see Track Release Group)
2	233953	1	SEAL, oil
3	233952	2	BUSHING
4	233950	1	ROLLER ASSY., (incl. Item 3)
5	233971	1	SHAFT
		1	919125 PIN, roll, 3/8 x 3
6	233954	1	WASHER, retaining
7	227711	1	RING, snap
8	233955	1	GASKET, support roller
9	233956	1	CAP, support roller
10	204013	3	WASHER, support roller cap
		1	920415 CAPSCREW, 3/8NC x 1-1/4, Gr. 5

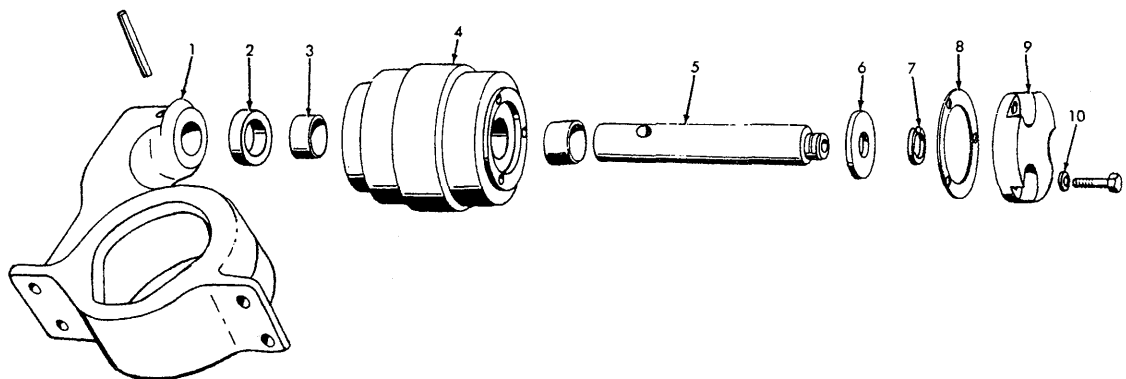
104-89

BRAKE BAND & ARM



104-90

SUPPORT ROLLER



TRACK IDLER

ITEM	NUMBER	QTY.	DESCRIPTION
--	252852	--	IDLER ASSY., (incl. Items 1 thru 3 & 9 thru 16)
1	923571	2	O-RING
2	233781	2	RING, snap, idler shaft
3	233780	1	SHAFT
		1	925923 FITTING, lube, button-hd, 1/8
4	235956	8	PLATE
		2	915666 CAPSCREW, 1/2NC x 1-3/8
		2	916966 WASHER, lock, 1/2
5	235957	*	SHIM
6	253118	2	BLOCK, tapping
7	233789	*	SHIM
8	233788	2	PLATE, wear
		2	913137 CAPSCREW, 5/8NF x 1-1/2
		2	917373 WASHER, lock, 5/8
9	252404	2	BRACKET, idler
10	233787	2	SCREW, special
		1	910511 NUT, jam, 5/8NC
11	244454	2	WASHER ASSY., seal, inside
		4	921019 PIN, roll, 7/32 x 3/4
12	253264	2	WASHER ASSY., seal, outside
		4	921019 PIN, roll, 7/32 x 3/4
13	226304	8	SPRING
14	244452	2	O-RING
15	233777	2	BUSHING
16	0252161-5	1	IDLER ASSY., (incl. Item 14)
17	253119	*	SHIM, .031

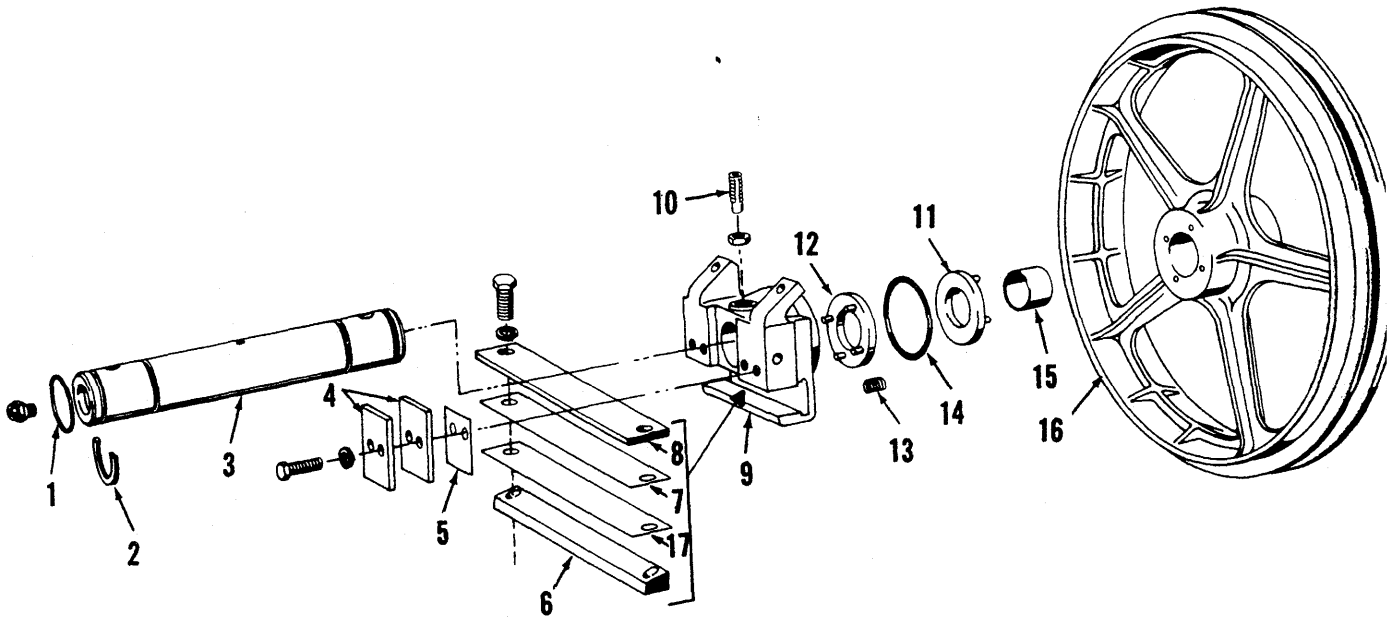
* Use as required

ASSEMBLIES & PACKAGES

--	254010	--	KIT, adhesive seal (use in place of gasket between washer assembly and idler)
----	--------	----	---

104-91

TRACK IDLER



TRUCK WHEEL

ITEM	NUMBER	QTY.	DESCRIPTION
--	252853	--	WHEEL ASSY., truck (incl. Items 1, 2, 4, 6 thru 12)
1	233796	1	SHAFT, truck wheel
		1	925923 FITTING, lube, button-hd, 1/8
2	233797	2	RING, snap
3	234942	4	CAPSCREW
		1	916966 WASHER, lock, 1/2
4	923571	2	O-RING
5	233798	1	BLOCK, tapping, L. H.
	233799	1	BLOCK, tapping, R. H.
6	244448	2	BRACKET
7	236304	8	SPRING
8	244454	2	WASHER ASSY., seal, inside (incl. roll pins)
		2	921019 PIN, roll, 7/32 x 3/4
9	253264	2	WASHER ASSY., seal, outside (incl. roll pins)
		2	921019 PIN, roll, 7/32 x 3/4
10	244452	2	O-RING
11	233777	2	BUSHING
12	244430	1	WHEEL ASSY., truck (incl. Item 11)

ASSEMBLIES & PACKAGES

--	254010	--	KIT, adhesive seal (use in place of gasket between washer assembly and wheel assembly)
----	--------	----	--

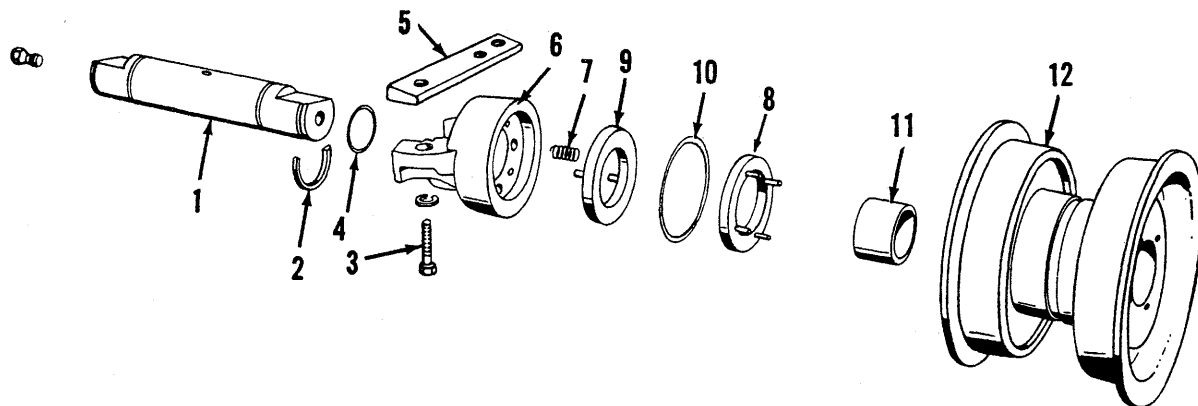
TRUCK FRAME
(R.H. Shown)

ITEM	NUMBER	QTY.	DESCRIPTION
1	245139	1	FRAME ASSY., truck, L.H. (long track)
	245140	1	FRAME ASSY., truck, R.H. (long track)
		8	921476 CAPSCREW, 5/8NF x 2-1/2, Gr. 8
		4	921168 CAPSCREW, 5/8NF x 2, Gr. 8
		12	917373 WASHER, lock, 5/8
2	236692	4	CLIP, closure
3	235800	*	SHIM, pivot axle
	235536	*	SHIM, pivot axle
4	233745	16	BLOCK, tapping
5	233744	2	RING, snap
6	233746	24	BLOCK, tapping

* Use as required

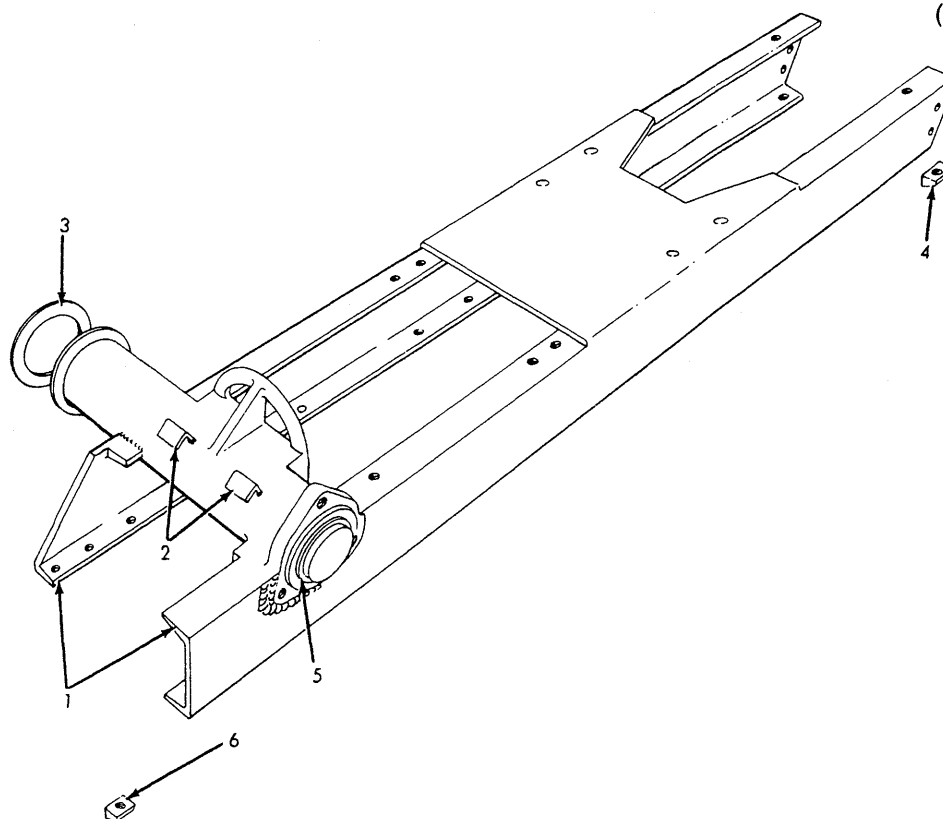
104-92

TRUCK WHEEL



104-93

TRUCK FRAME
(R. H. Shown)



TRUCK WHEEL

ITEM	NUMBER	QTY.	DESCRIPTION
---	1003801-6	---	KIT, truck wheel assy.
1	1003800-8	1	WHEEL ASSY., truck (Incl. Items 2 to 18)
2	1003783-6	1	WHEEL ASSY., (Welded)
3	1003806-5	1	SHAFT
4	0042887-0	2	CUP, bearing
5	0042888-8	2	CONE, bearing
6	0623114-6	2	RING
7	0905357-0	2	BALL
8	0923815-5	2	O-RING
9	0047151-6	2	RING, seal
10	0663047-9	2	RETAINER, bearing
11	0655372-1	*	SHIM (* Use as Req'd.)
12	0051432-3	*	SHIM (* Use as Req'd)
13	0051433-1	*	SHIM (* Use as Req'd)
14	0051431-5	*	SHIM (* Use as Req'd)
15	0915228-1	12	CAPSCREW, 3/8 UNF x 1-1/4 Gr. 5 1 0916965-7 WASHER, lock 3/8
16	0047605-1	4	GASKET
17	0047581-4	2	SPRING ASSY.
18	1003799-2	2	RETAINER
---	0623124-5	---	KIT, seal
19	1003804-0	2	BLOCK, pivot
20	0916424-5	4	CAPSCREW, 1/2 UNF x 3-1/2 Gr. 5 1 0916966-5 WASHER, lock 1/2

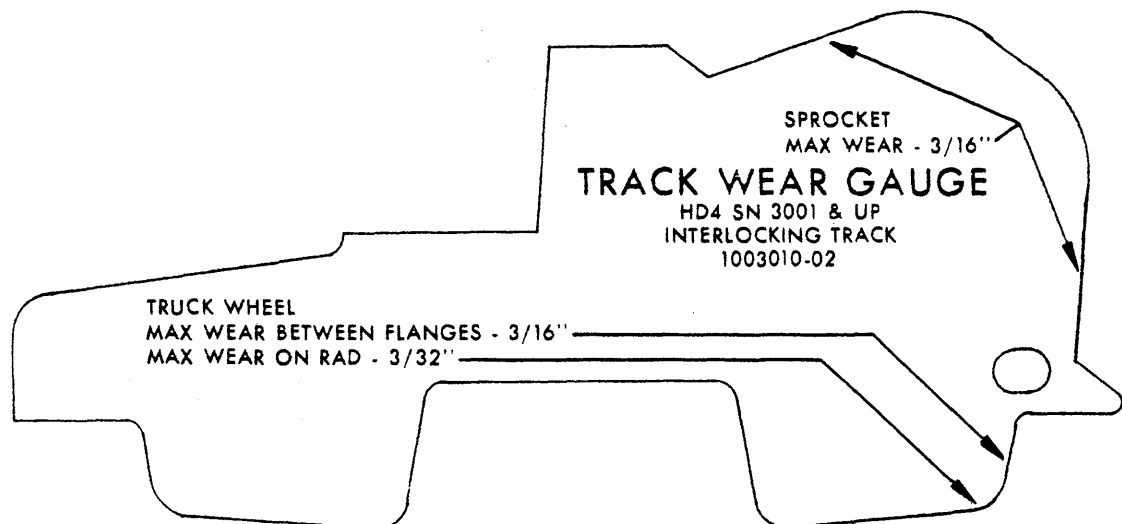
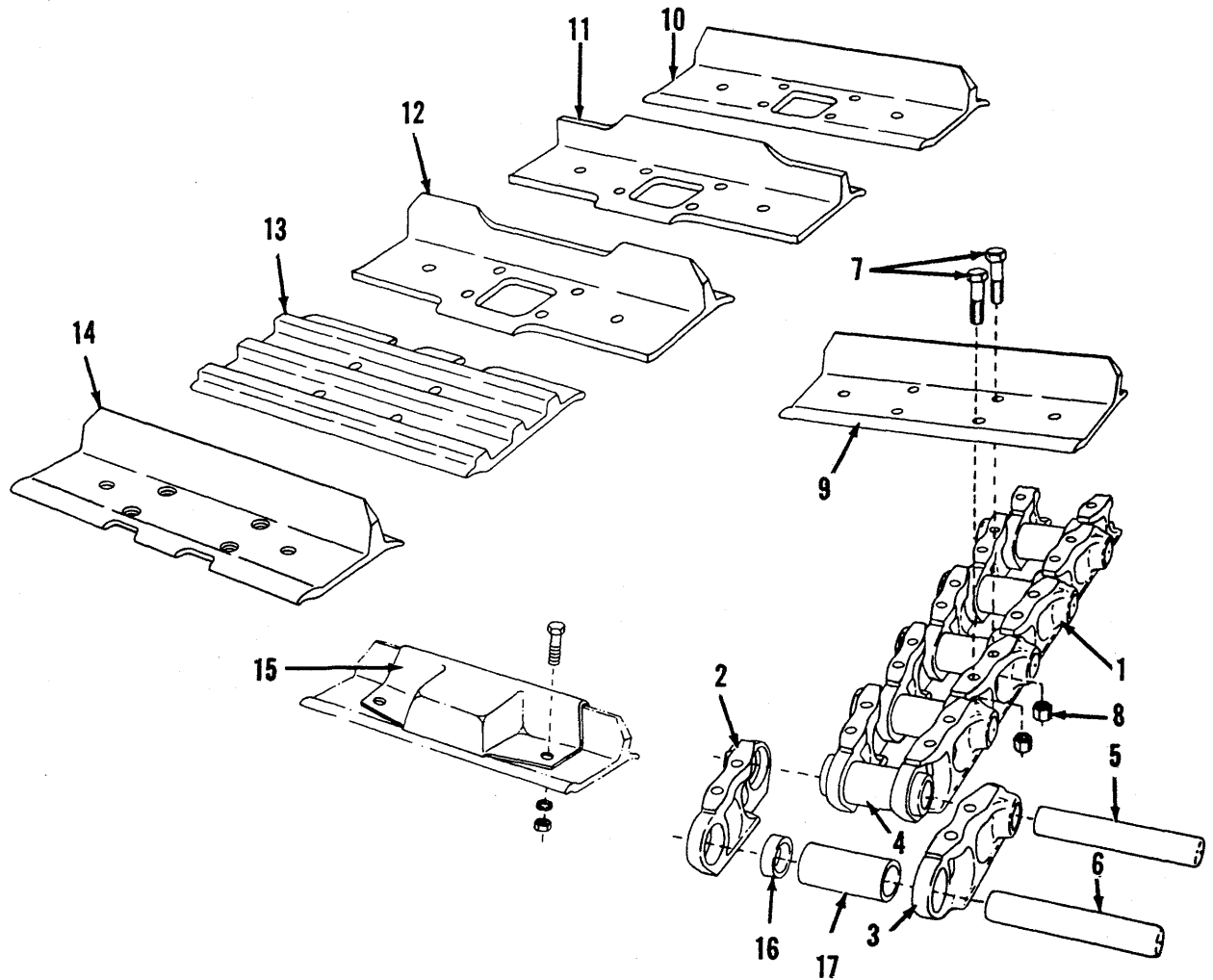
TRACK

ITEM	NUMBER	QTY.	DESCRIPTION
--	252116	2	TRACK ASSY., 10" Std. (incl. Items 1 thru 9)
--	1003861-0	2	TRACK ASSY., 12" Std. (incl. Items 1 thru 9) (replaces 1003401)
--	1003821-4	2	TRACK ASSY., 14" Std. (incl. Items 1 thru 9) (replaces 1003402)
--	252112	2	TRACK ASSY., 10" semi-grouser w/cutout (incl. Items 1 thru 8, & 13)
--	1003857-8	2	TRACK ASSY., 12" semi-grouser w/cutout (incl. Items 1 thru 8, & 13) (replaces 253208)
--	1003859-4	2	TRACK ASSY., 14" semi-grouser w/cutout (incl. Items 1 thru 8, & 13) (replaces 253222)
--	252109	2	TRACK ASSY., 10" semi-grouser (incl. Items 1 thru 8, & 13)
--	1003856-0	2	TRACK ASSY., 12" semi-grouser (incl. Items 1 thru 8, & 13) (replaces 252112)
--	1003858-6	2	TRACK ASSY., 14" semi-grouser (incl. Items 1 thru 8, & 13) (replaces 252112)
--	252120	2	TRACK ASSY., 10" w/cutout (incl. Items 1 thru 8, & 10)
--	1003860-2	2	TRACK ASSY., 12" w/cutout (incl. Items 1 thru 8, & 10) (replaces 252112)
--	1003862-8	2	TRACK ASSY., 14" w/cutout (incl. Items 1 thru 8, & 10) (replaces 252112)
--	252123	2	TRACK ASSY., snow & ice, single & double calk (incl. Items 1 thru 8, 11 & 12) (replaces 252123)
--	1003865-1	1	TRACK ASSY., L.H., 18" offset full-grouser (incl. Items 1 thru 8, & Item 14) (replaces 254213)
--	1003864-4	1	TRACK ASSY., R.H., 18" offset full-grouser (incl. Items 1 thru 8 & Item 14) (replaces 254214)
1	1003820-6	2	RAIL ASSY., track (incl. Items 2 thru 6, & Items 16 & 17) (replaces 254214)
2	1003818-0	72	BAR, side, L.H. (replaces 043599)
3	1003819-8	72	BAR, side, R.H. (replaces 043600)
4	044129	70	BUSHING
5	044132	70	PIN, track
6	044130	2	PIN, master
7	0043591-7	288	BOLT, track, shoe (replaces 234944)
8	0038234-1	288	NUT, track, shoe (replaces 234943)
9	234948	72	SHOE, grouser, 10" Std.
	1003403-1	72	SHOE, grouser, 12" Std.
	1003404-9	72	SHOE, grouser, 14" Std.
10	234949	72	SHOE, grouser, 10" w/cutout
	0235619-4	72	SHOE, grouser, 12" w/cutout
	234946	72	SHOE, grouser, 14" w/cutout
11	0235873-7	36	SHOE, grouser, 12" snow & ice (single calk)
12	0235874-5	36	SHOE, grouser, 12" snow & ice (double calk)
13	233912	72	SHOE, semi-grouser, 10"
	233914	72	SHOE, semi-grouser, 10" w/cutout
	0253103-6	72	SHOE, semi-grouser, 12"
	0253207-5	72	SHOE, semi-grouser, 12" w/cutout
	0253109-3	72	SHOE, semi-grouser, 14"
	253221	72	SHOE, semi-grouser, 14" w/cutout
14	0254211-6	36	SHOE, grouser, L.H.
	0254212-4	36	SHOE, grouser, R.H.
15	235926	72	PLATE, street (use with 10", 12", & 14" full-grouser track)
	2	923473	CAPSCREW, 1/2NC x 1-1/4, Gr. 8
	2	916966	WASHER, lock, 1/2
	2	900369	NUT, 1/2NC

(Continued)

104-94

TRACK



TRACK
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
16	043593	4	SPACER (use w/master pin only)
17	044131	2	BUSHING, master
--	249606	1	GAUGE, track, wear (not shown)
--	1003010-4	--	PIN SET, track (incl. Items 4, 5, 6, 16 & 17) (replaces 10030010)

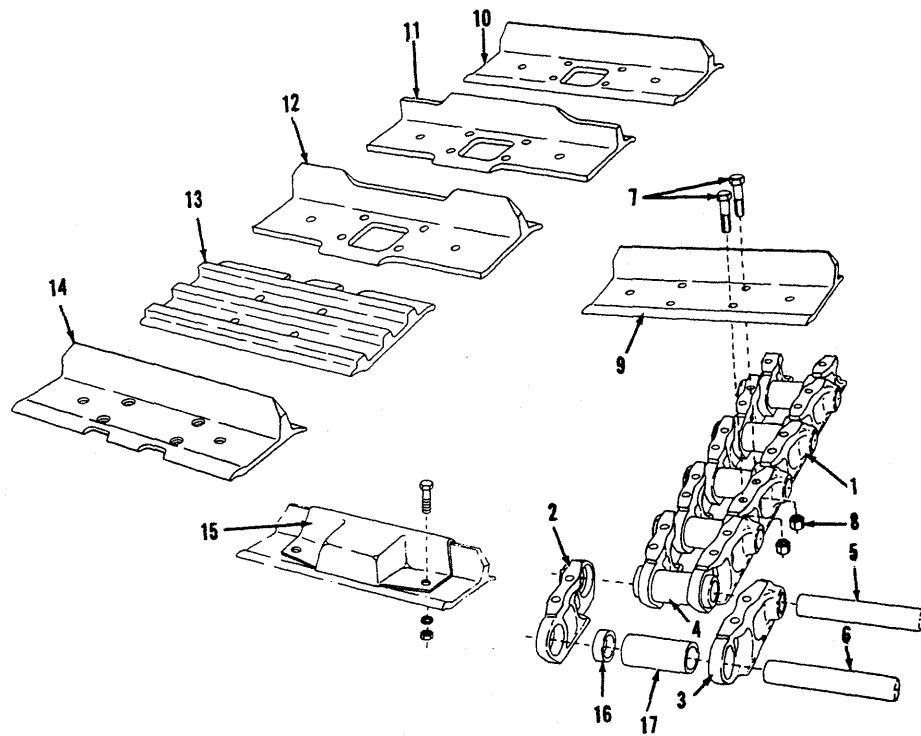
TRACK RELEASE

ITEM	NUMBER	QTY.	DESCRIPTION
1	237130	1	HOUSING ASSY., spring, R.H.
	237129	1	HOUSING ASSY., spring, L.H.
		4	921753 CAPSCREW, 1/2NF x 1-3/4, Gr. 8
		4	916966 WASHER, lock, 1/2
2	0242148-5	1	SPRING SEAT, front
3	244846	1	SPRING
4	233970	1	COVER, spring
5	234940	4	CAPSCREW
		1	917379 WASHER, plain, pltd., 16/32 x 1-1/16 x 3/32
		1	916966 WASHER, lock, 1/2
6	0242149-3	1	SEAT, spring, rear
7	244847	1	SCREW, adjusting (long track)
8	234941	2	CAPSCREW, lock
		1	916966 WASHER, lock, 1/2
9	241063	1	LOCK, adjusting screw
10	241064	1	SEAL, adjusting screw
11	241173	1	YOKE
		1	910000 PLUG, expansion, 2"
12	235960	2	PIN, yoke
13	252671	1	SPACER
14	231665	1	WASHER

104-95

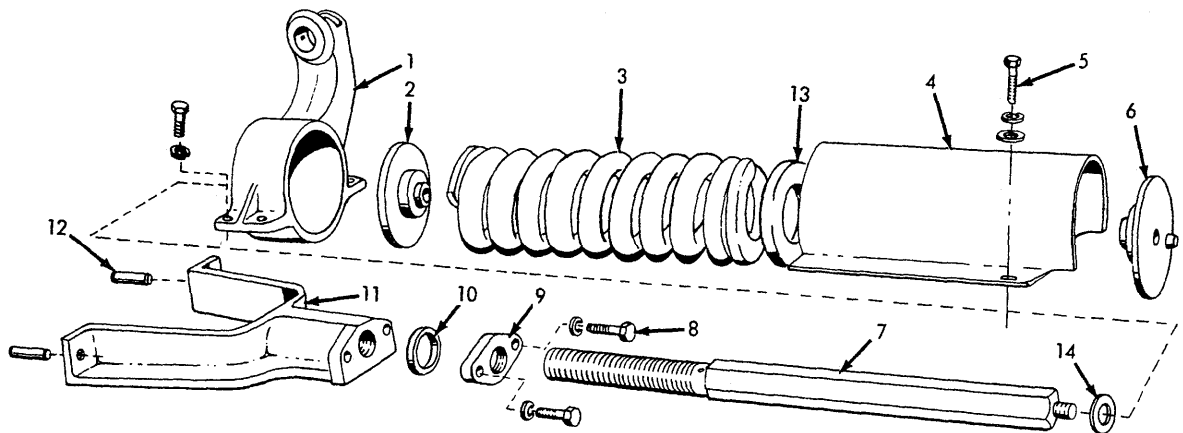
TRACK
(Continued)

(See Page 137)



104-96

TRACK RELEASE



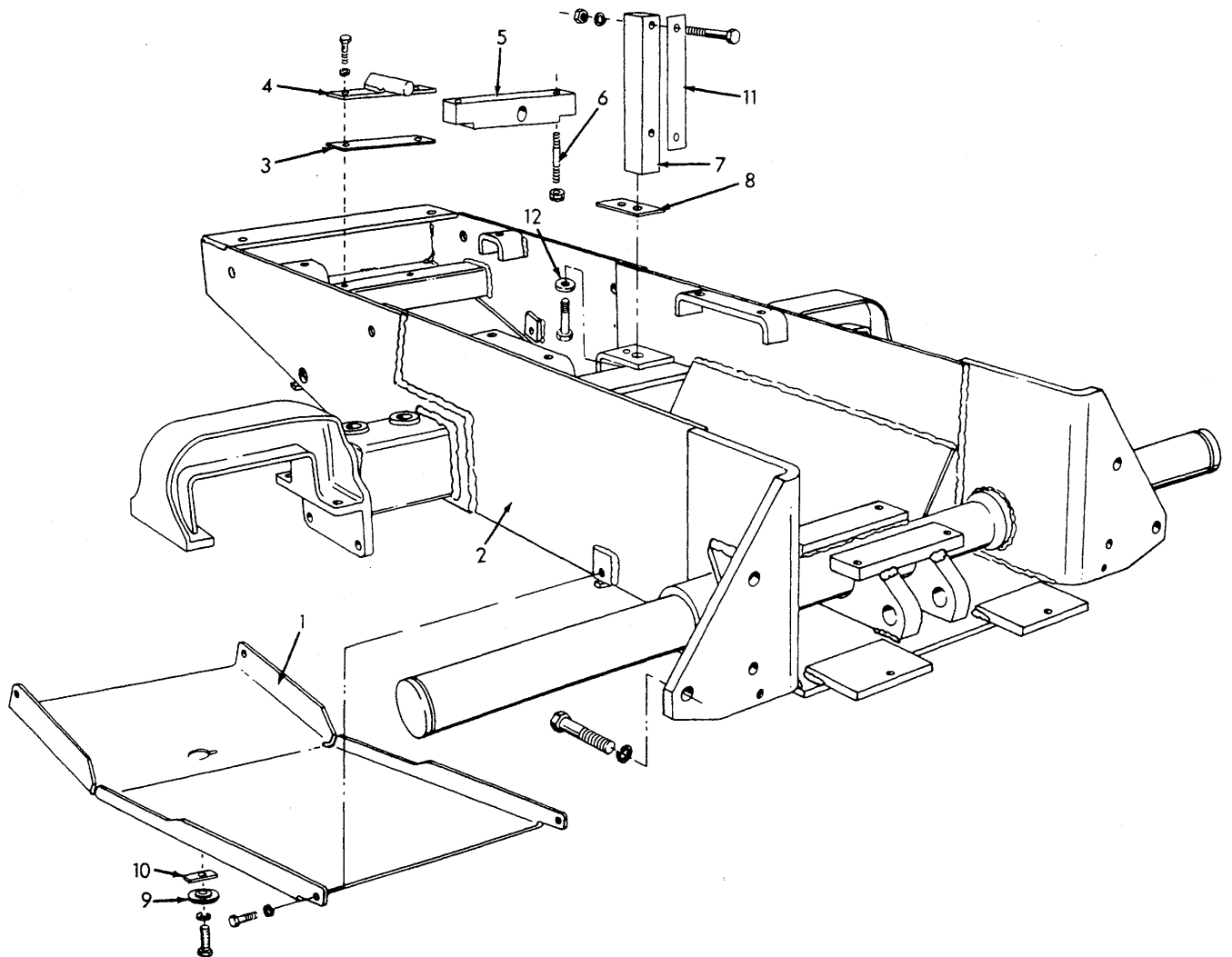
MAIN FRAME & ENGINE SUPPORT

ITEM	NUMBER	QTY.	DESCRIPTION
1	247422	1	COVER, lower
		4	924744 CAPSCREW, 5/8NC x 1-1/2, Gr. 8
		4	917373 WASHER, lock, 5/8
2	1003790-1	1	FRAME ASSY., main (incl. front beam & pivot axle) (replaces 244656 a 1003164-9)
		6	926167 CAPSCREW, 3/4NF x 2-1/4, Gr. 8
		6	919332 WASHER, lock, 3/4
		4	922612 CAPSCREW, 3/4NC x 1-7/8
		4	919332 WASHER, lock, 3/4
3	244688	*	SHIM, engine support
4	244686	1	SUPPORT ASSY., engine pivot
		2	913105 CAPSCREW, 1/2NF x 1-1/2, Gr. 5
		2	916966 WASHER, lock, 1/2
5	244689	1	BLOCK, engine pivot
6	245506	2	STUD, engine pivot
		2	0929331-7 NUT, 7/16NF (replaces 915633)
7	252499	2	BRACKET, bump stop
		2	925947 CAPSCREW, 3/4NF x 4, Gr. 8
		2	910175 NUT, 3/4NF
8	252503	*	SHIM, bump stop bracket, .1196"
	252504	*	SHIM, bump stop bracket, .0897"
	252505	*	SHIM, bump stop bracket, .062"
		2	917472 CAPSCREW, 1/2NF x 1
		2	916966 WASHER, lock, 1/2
9	248468	1	COVER (service drain)
10	247421	1	BAR (service drain)
		1	921176 CAPSCREW, 1/2NC x 1-1/4
		1	916966 WASHER, lock, 1/2
11	0252507-5	2	SPACER, rectangle
12	0252554-1	2	WASHER
		1	921170 CAPSCREW, 3/4NF x 2-1/2

* Use as required

104-97

MAIN FRAME & ENGINE SUPPORT



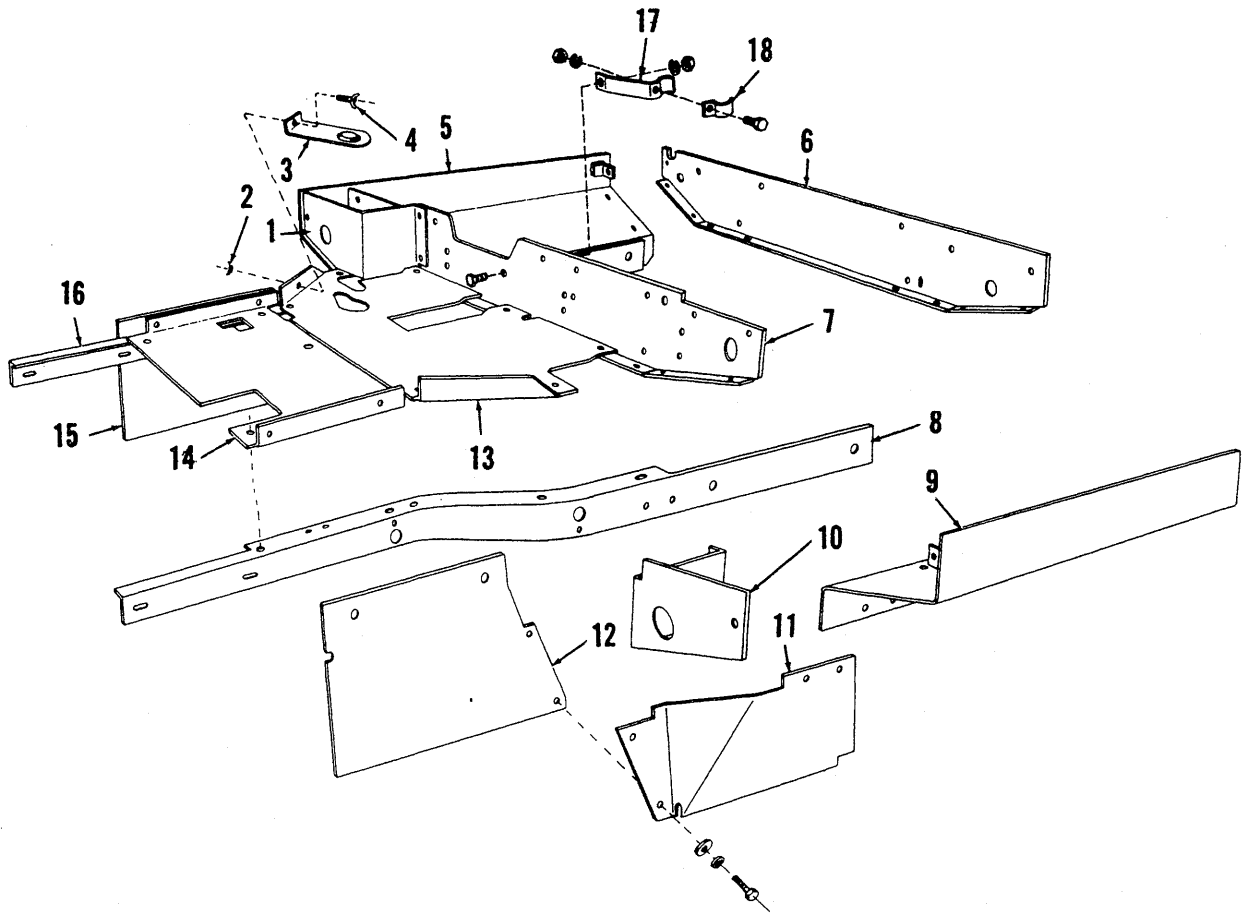
PLATFORM

ITEM	NUMBER	QTY.	DESCRIPTION
1	245658	1	PLATE, platform front, R.H. 3 921210 CAPSCREW, 3/8NC x 1 3 916965 WASHER, lock, 3/8
2	234146	1	NUT, wing
3	247287	1	COVER
4	234147	1	SCREW, wing
5	245610	1	FENDER ASSY., R.H. 4 921176 CAPSCREW, 1/2NC x 1-1/4 4 916966 WASHER, lock, 1/2
6	245606	1	ANGLE, rear tank & front support 2 921176 CAPSCREW, 1/2NC x 1-1/4 2 916966 WASHER, lock, 1/2
7	254345	1	ANGLE, front tank & front support
8	245627	1	ANGLE, platform support, L.H.. 2 926127 CAPSCREW, 3/4NC x 1-3/4 2 919332 WASHER, lock, 3/4
9	245611	1	FENDER ASSY., L.H. 4 921176 CAPSCREW, 1/2NC x 1-1/4 4 916966 WASHER, lock, 1/2
10	245657	1	PLATE, platform front, L.H. 3 921210 CAPSCREW, 3/8NC x 1 3 916965 WASHER, lock, 3/8
11	245655	1	SKIRT, platform rear, L.H. 1 912943 CAPSCREW, 3/8NC x 1-3/4 (secures skirt & hose clamp) 1 903775 CAPSCREW, 3/8NC x 7/8 3 916965 WASHER, lock, 3/8
	245654	1	SKIRT, platform rear, R.H. 2 903775 CAPSCREW, 3/8NC x 7/8 4 916965 WASHER, lock, 3/8
12	245647	1	SKIRT ASSY., L.H. (loader) 2 921966 CAPSCREW, 3/8NC x 7/8 2 916950 NUT, 3/8NC 2 916965 WASHER, lock, 3/8
	246115	1	SKIRT ASSY., L.H. (dozer)
13	245628	1	PLATE, rear foot 4 921210 CAPSCREW, 3/8NC pltd. x 1 8 916965 WASHER, lock, pltd., 3/8 8 918266 WASHER, plain, pltd., 13/32 x 13/16 x 1/16 4 921965 CAPSCREW, 3/8NC pltd. x 3/4
14	248597	1	PLATE, front foot 4 921965 CAPSCREW, 3/8 NC pltd. x 3/4 4 916965 WASHER, lock, pltd., 3/8 4 918266 WASHER, plain, pltd., 13/32 x 13/16 x 1/16
15	245648	1	SKIRT ASSY., R.H. (loader) 2 921966 CAPSCREW, 3/8NC x 7/8 2 916950 NUT, 3/8NC 2 916965 WASHER, lock, 3/8
	246114	1	SKIRT ASSY., R.H. (dozer)

(Continued)

104-98

PLATFORM



PLATFORM (Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
16	245626	1	ANGLE, platform support, R. H.
		2	926127 CAPSCREW, 3/4NC x 1-3/4
		2	919332 WASHER, lock, 3/4
17	245640	1	CLAMP, filler tube
18	0248687-6	1	CLAMP, filler tube
		2	921210 CAPSCREW, 3/8NC x 1
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC

OPERATORS SEAT Standard & Backhoe

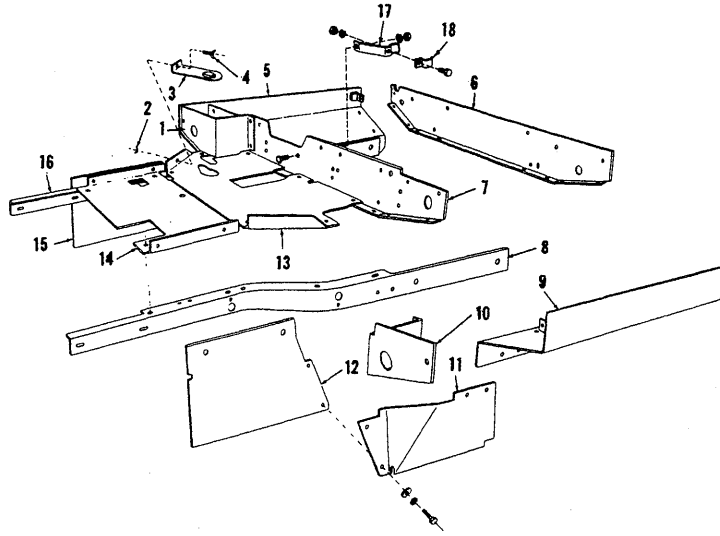
ITEM	NUMBER	QTY.	DESCRIPTION
1	245079	2	BRACKET, seat support
		3	921176 CAPSCREW, 1/2NC x 1-1/4
		4	916966 WASHER, lock, 1/2
		1	920328 CAPSCREW, 1/2NC x 1-1/2
2	248729	1	COVER, battery, rear
		2	921210 CAPSCREW, 3/8NC x 1
		2	916965 WASHER, lock, 3/8
		2	916950 NUT, 3/8NC
		2	918266 WASHER, pltd.
3	245796	1	TRANSFER
4	246184	1	BACK, seat (Backhoe seat)
5	924276	1	TRANSFER, trademark
6	246860	1	CUSHION, back
		4	916604 CAPSCREW, pltd., 1/4NF x 3/4
		4	916964 WASHER, lock, pltd., 1/4
7	246818	1	PAD, arm, R. H.
	246819	1	PAD, arm, L. H.
		2	916604 CAPSCREW, pltd., 1/4NF x 3/4
		2	916964 WASHER, lock, pltd., 1/4
8	245159	1	CUSHION, seat
9	245092	1	FRAME ASSY., seat (Standard, incl. back)
	246183	1	FRAME ASSY., seat (use w/Backhoe)
		4	921965 CAPSCREW, 3/8NC x 3/4
		4	916965 WASHER, lock, 3/8
		4	911428 WASHER, plain, 13/32 x 7/8 x #18
--	246186	2	*WASHER, wave bent (Backhoe seat)
	246187	2	*SPACER (Backhoe seat)
	925694	2	*CAPSCREW, 3/8NC x 1/2
		1	916965 WASHER, lock, 3/8

* Not shown

104-99

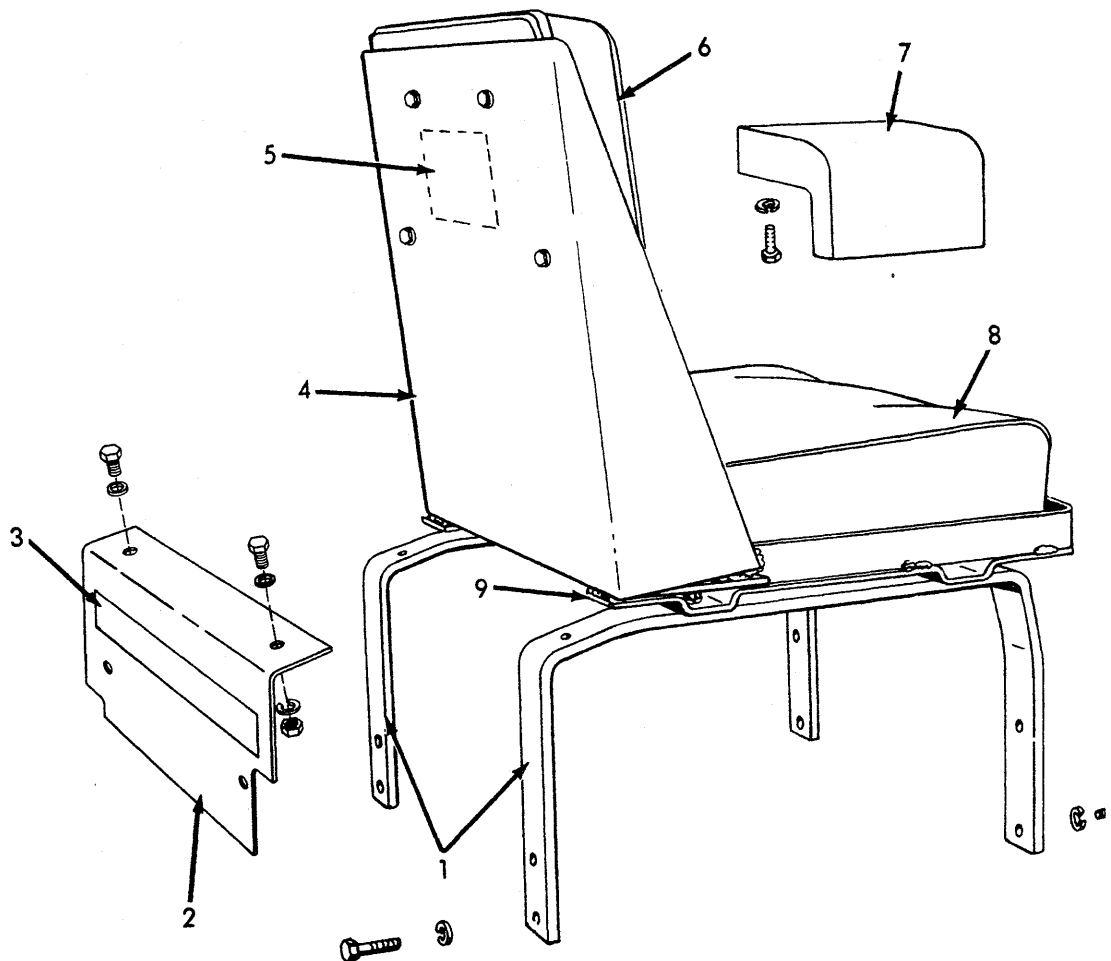
PLATFORM
(Continued)

(See Page 143)



104-100

OPERATORS SEAT
Standard & Backhoe

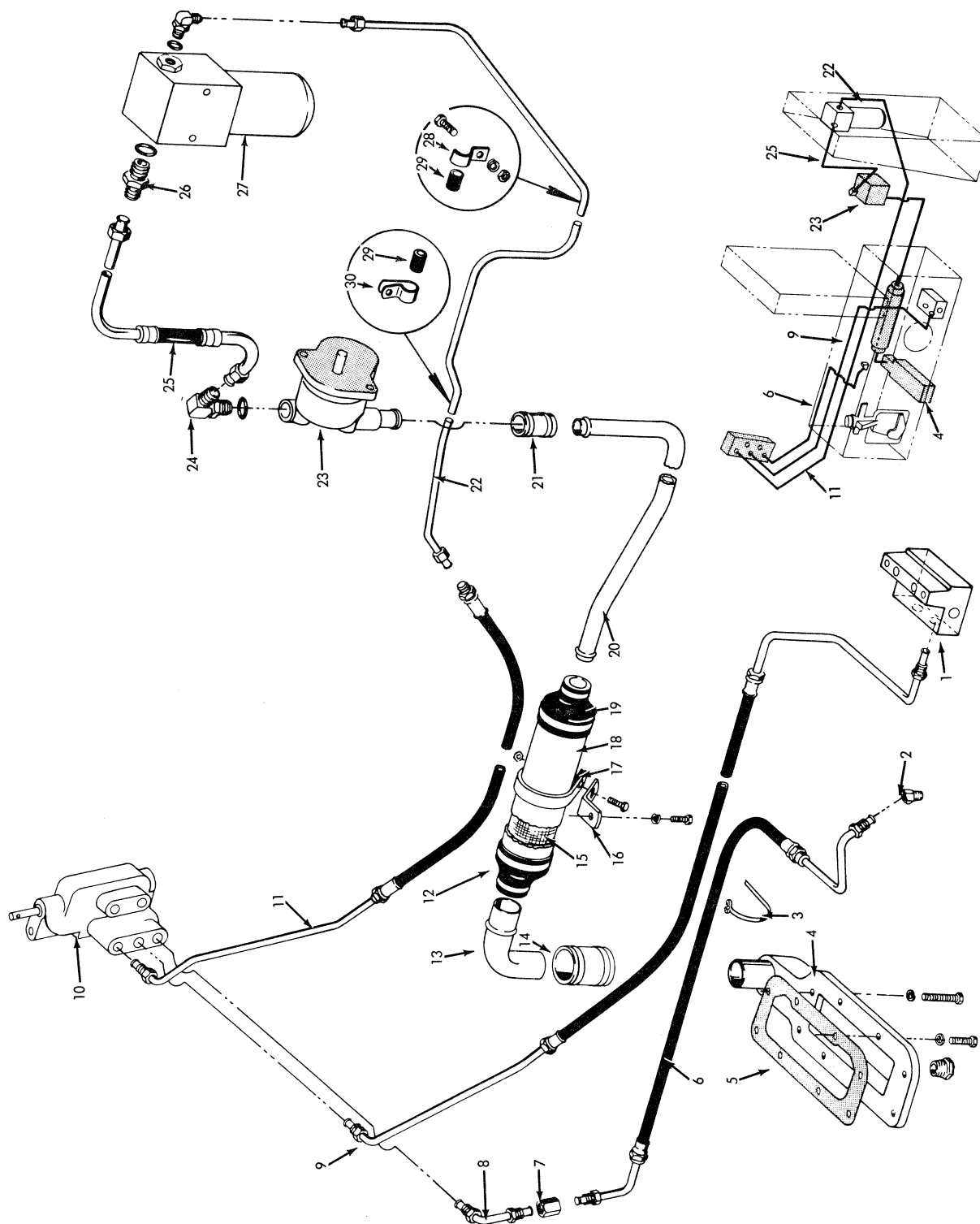


SHUTTLE CLUTCH & SUMP LINES

ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	1	MANIFOLD ASSY. (see Shuttle Clutch & Oil Cooler Lines)
2	917497	1	ELBOW, male, 45°, 1/2 x 3/8
3	250609	1	CLAMP, "J"
4	249942	1	COVER ASSY.
		6	921333 CAPSCREW, 5/16NC x 1
		8	917356 WASHER, lock, 5/16
		2	921160 CAPSCREW, 5/16NC x 2-1/4
		1	920416 PLUG, pipe, 1/2
5	246134	1	GASKET
6	249934	1	SCREEN, intake
7	250586	1	TUBE ASSY.
8	250585	1	TUBE ASSY.
9	917485	1	UNION, flare, 1/2
10	0251862-9	1	TUBE ASSY. (valve to union sump)
11	236750	4	CUSHION, tube
12	228465	2	CLAMP
		1	919316 CAPSCREW, 1/4NC x 1-3/4
13	249795	1	PLATE ASSY., clamp mount
14	913888	1	ELBOW, male, 1/2 x 3/8
15	-----	1	SHUTTLE CLUTCH CONTROL VALVE (see Shuttle Clutch Control Valve Group for components)
16	249816	1	TUBE ASSY.
17	249953	1	BRACKET
18	249952	1	CLAMP
		1	921210 CAPSCREW, 3/8NC x 1
		1	916965 WASHER, lock, 3/8
		1	916950 NUT, 3/8NC
19	242564	2	HOSE, strainer, tube to pump
		2	922660 CLAMP, hose, 1-1/6 to 2
20	249951	1	TUBE, strainer to pump
21	247191	1	TUBE ASSY., shuttle clutch (filter to valve)
22	-----	1	HYDRAULIC PUMP (refer to Hydraulic Pump Group for components)
23	921350	1	ELBOW, adj., 37°, flared, 5/8 x 7/8 (incl. O-ring)
		1	921205 O-RING, 3/4 I.D. x 3/32 W.
24	0254139-9	1	TUBE ASSY., pump to filter
25	924022	1	CONNECTOR, reducing, 5/8 x 1-5/16 (incl. O-ring)
		1	921205 O-RING, 3/4 I.D. x 3/32 W.
26	-----	1	FILTER ASSY., hydraulic oil (see Hydraulic Oil Filter Group for components)
		1	924168 REDUCER, 1 x 1/2 (incl. O-ring)
		1	921214 O-RING, 1-5/32 I.D. x 1/8 W.
		1	921402 ELBOW, adj., 37°, flared, 5/8 (incl. O-ring)
		1	921349 O-RING, 5/8 I.D. x 3/32 W.
27	229748	1	CLAMP, tube
		1	921333 CAPSCREW, 5/16NC x 1
		1	917356 WASHER, lock, 5/16
		1	917372 NUT, 5/16NC

(Continued)

SHUTTLE CLUTCH & SUMP LINES



**H-4 & HD-4 TRACTORS
HYDRAULICS**

189

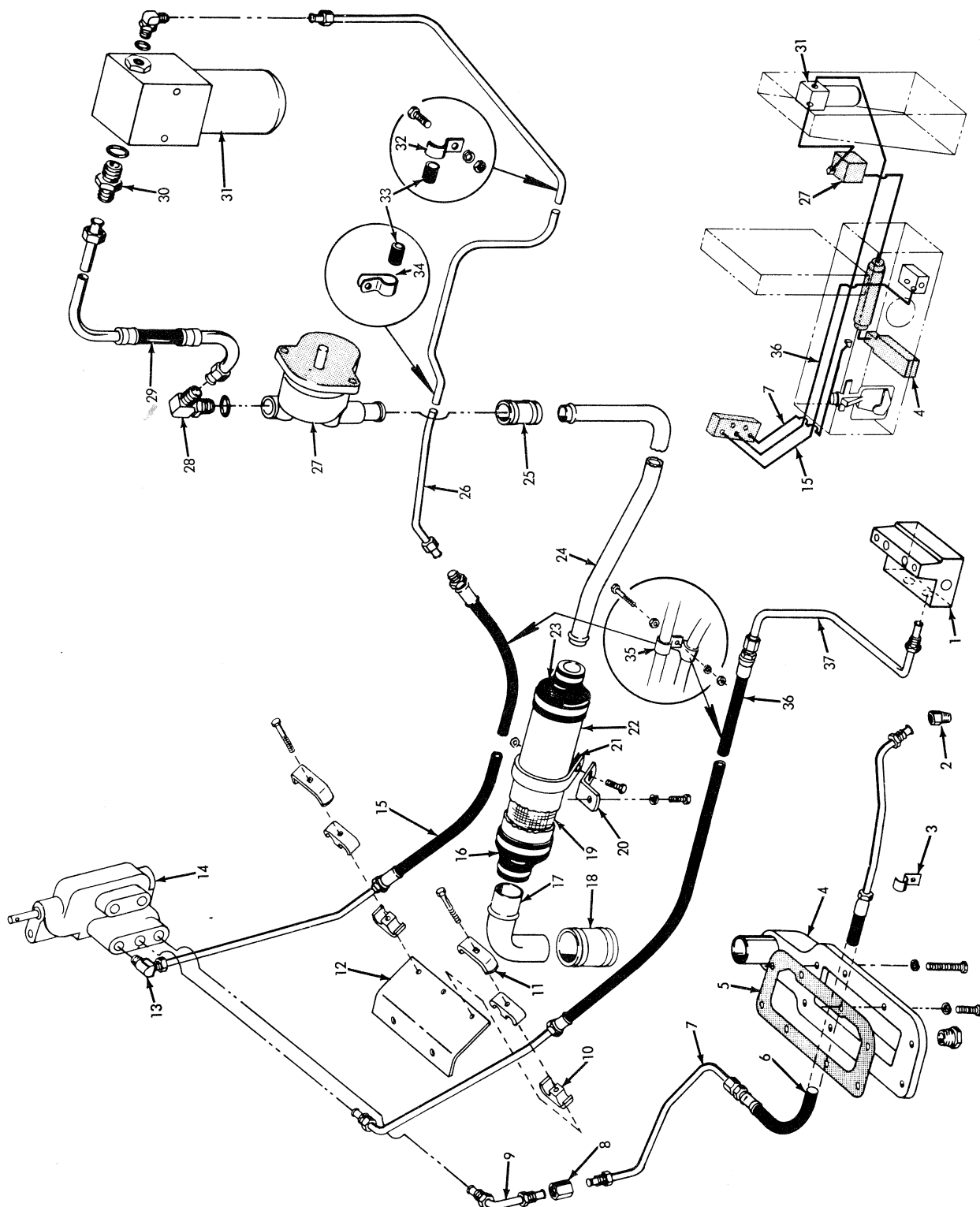
**SHUTTLE CLUTCH & SUMP LINES
PRIOR TO S/N 2742**

ITEM	NUMBER	QTY.	DESCRIPTION
1	----	1	MANIFOLD ASY., (See Shuttle Clutch, Forward & Reverse and Oil Cooler Line Group)
2	0917497-0	1	ELBOW, male, inv., flared, 45°, 1/2 x 3/8
3	0239726-3	3	TIE, hose
4	0243178-1	1	COVER ASY. (Use 1 ea. of 249934, 249942, 242564, 249951, 229997, 921210, 916965, 916950 & 2 of 922660)
	0921333-1	6	CAPSCREW, hex-hd, 5/16NC x 1
	0917356-8	8	LOCKWASHER, 5/16
	0921160-8	2	CAPSCREW, hex-hd, 5/16NC x 2-1/4
	0920416-5	1	PLUG, pipe, 1/2
5	0246134-1	1	GASKET
6	0246298-4	1	TUBE ASY. (Use 1 ea. of 250585 & 250586)
7	0917485-5	1	UNION, inverted flared, 1/2
8	0247466-6	1	TUBE ASY. (Use 1 of 251862)
9	0246295-0	1	TUBE ASY. (Use 1 ea. of 250587 & 250588)
10	----	1	SHUTTLE CLUTCH CONTROL VALVE (See Shuttle Clutch Valve Group for components)
11	0247792-5	1	TUBE ASY. (Use 1 of 249816)
12	0246185-3	1	CAP, oil, strainer (Use 1 ea. of 249934, 249935, 249936, 249937, 916965 & 916950 and 2 ea. of 239217, 921210 & 924132)
	0921912-2	1	CLAMP, hose, worm drive, 1-5/8"
13	0243384-5	1	TUBE
14	0239217-3	1	HOSE, suction
	0924912-9	2	CLAMP, hose, worm drive, 1-5/8"
15	0243376-1	1	SCREEN ASY., strainer (Use 1 ea. of 249934, 249936, 249937 & 249962)
16	0245525-1	1	BRACKET, filter support
	0921158-2	1	BOLT, cge., sq-nk, pltd., 5/16NC x 1
	0923880-9	1	NUT & WASHER ASY., 5/16 - 18
17	0239630-7	1	CLAMP, strainer
18	0243382-9	1	BODY, strainer
	0921915-5	2	CLAMP, hose, worm drive, 3-1/8"
19	0246081-4	1	CAP, oil strainer cylinder, front (Use 1 ea. of 249934, 249936, 249937, 249962, 916965, 928687 & 924134 and 2 ea. of 239217 & 921210)
	0924289-2	1	CLAMP, hose, 61/64 to 1-1/2
20	0245523-6	1	TUBE, strainer to pump
21	0242564-3	1	HOSE, strainer tube to pump
	0921912-2	2	CLAMP, hose, worm drive, 1-1/16 - 2
22	0247191-0	1	TUBE ASY., shuttle clutch (filter to valve)
23	----	1	HYDRAULIC PUMP (Refer to Hydraulic Pump for components)
24	0922965-9	1	ELBOW, adj., 37° flared, pltd., 3/4 x 1-1/16 (Incl. O-RING)
	0921206-9	1	O-RING, 3/4
25	0246082-2	1	TUBE ASY., pump to filter (Use 1 ea. of 254139, 921350 & 924022)
26	0922997-2	1	CONNECTOR, reducing, 3/4 x 1-5/16 - 12 (Incl. O-RING)
	0921206-9	1	O-RING, 3/4
27	----	1	FILTER ASY., Hyd. oil (See Hydraulic Oil Filter Group for components)
	0924168-8	1	REDUCER, 1 x 1/2 (Incl. O-RING)
	0921214-3	1	O-RING, 37° flared fitting, JIC, 1"
	0921402-4	1	ELBOW, 37° flared, pltd., adj., str-thd, 5/8 (Incl. O-RING)
	0921349-7	1	O-RING, 1/2"
28	0229748-9	1	CLAMP, tube
	0903772-2	1	CAPSCREW, hex-hd, 5/16NC x 1
	0917356-8	1	LOCKWASHER, 5/16
	0910323-5	1	NUT, 5/16NC
29	1013344-5	2	CUSHION
30	0233565-1	1	CLAMP, tube

H-4 & HD-4 TRACTORS HYDRAULICS

SHUTTLE CLUTCH & SUMP LINES

EFF. W/TR. S/N 2742 TO TR. S/N 3001

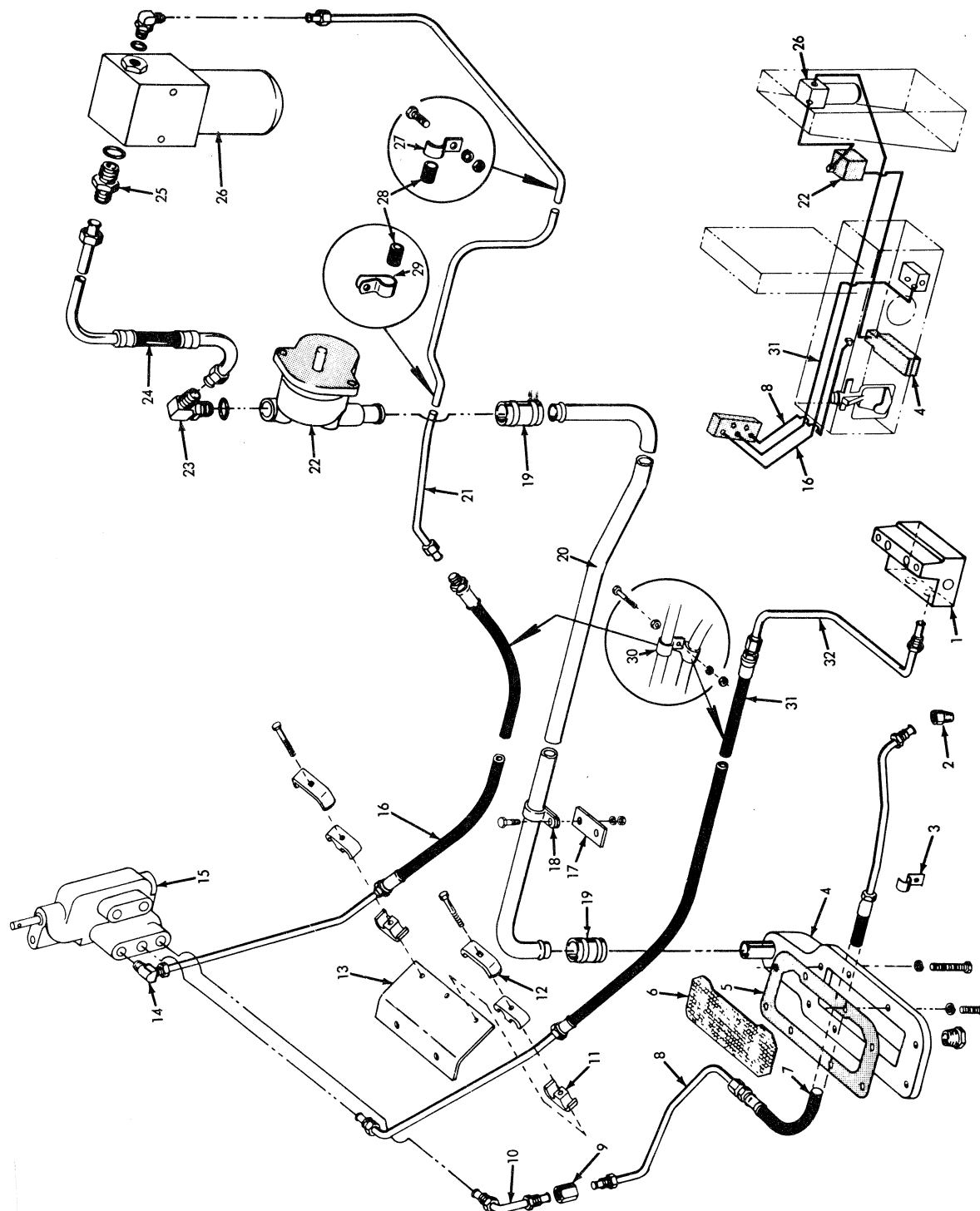


**H-4 & HD-4 TRACTORS
HYDRAULICS**

191

**SHUTTLE CLUTCH & SUMP LINES
EFF. W/TR. S/N 2742 TO TR. S/N 3001**

ITEM	NUMBER	QTY.	DESCRIPTION
1	----	1	MANIFOLD ASY. (See Shuttle Clutch & Oil Cooler Lines)
2	0917497-0	1	ELBOW, male inv., flared, 45°, 1/2 x 3/8
3	0250609-5	1	CLAMP, "J"
4	0243178-1	1	COVER ASY. (Use 1 ea. of 249934, 249942, 242564, 244951, 239997, 249936, 916965 & 916950 and 2 of 922660)
	0921333-1	6	CAPSCREW, 5/16NC x 1
	0917356-8	8	LOCKWASHER, 5/16
	0921160-8	2	CAPSCREW, 5/16NC x 2-1/4
	0920416-5	1	PLUG, pipe, 1/2
5	0246134-1	1	GASKET
6	0250586-5	1	TUBE ASY.
7	0250585-7	1	TUBE ASY.
8	0917485-5	1	UNION, inverted flare, 1/2
9	0248749-4	1	TUBE ASY. (Use 1 of 251862)
10	0236750-6	4	CUSHION, tube
11	0228465-1	2	CLAMP
	0926108-2	2	CAPSCREW, 7/16NC x 2-1/2
12	0249795-6	1	PLATE ASY., clamp mount
13	0913888-4	1	ELBOW, male inverted flare, 1/2 x 3/8
14	----	1	SHUTTLE CLUTCH CONTROL VALVE (See Shuttle Clutch Control Valve Group for components)
15	0249816-0	1	TUBE ASY.
16	0246185-3	1	CAP, oil, strainer (Use 1 ea. of 249934, 249935, 249936, 249937, 916965 & 916950 and 2 ea. of 239217 & 921210)
	0921912-2	1	CLAMP, hose, worm drive, 1-5/8
17	0243384-5	1	TUBE
18	0239217-3	1	HOSE, suction
	0921912-2	2	CLAMP, hose, worm drive, 1-5/8
19	0243376-1	1	SCREEN ASY., strainer (Use 1 ea. of 249934, 249936, 249937 & 249962)
20	0245525-1	1	BRACKET, filter support
	0921158-2	1	BOLT, cge., pltd., 5/16NC x 1
	0923880-9	1	NUT & WASHER ASY., 5/16 - 18
21	0239630-7	1	CLAMP, strainer
22	0243382-9	1	BODY, strainer
	0921915-5	2	CLAMP, hose, worm drive, 3-1/8
23	0246081-4	1	CAP, oil strainer cylinder, front (Use 1 ea. of 249934, 249936, 249937, 249962, 916965, 928687 & 924134 and 2 ea. of 239217 & 921210)
	0924289-2	1	CLAMP, hose, 61/64 to 1-1/2
24	0245523-6	1	TUBE, strainer to pump
25	0242564-3	1	HOSE, strainer tube to pump
	0921912-2	2	CLAMP, hose, worm drive, 1-1/16 - 2
26	0247191-0	1	TUBE ASY., shuttle clutch (filter to valve)
27	----	1	HYDRAULIC PUMP (refer to Hydraulic Pump for components)
28	0922965-9	1	ELBOW, ADJ., 37° flared, pltd., 3/4 x 1-1/16 (Incl. O-RING)
	0921206-9	1	O-RING, 3/4
29	0246082-2	1	TUBE ASY., pump to filter (Use 1 ea. of 254139, 921350 & 924022)
30	0922997-2	1	CONNECTOR, reducing 3/4 x 1-5/16 - 12 (Incl. O-RING)
	0921206-9	1	O-RING, 3/4
31	----	1	FILTER ASY., hyd. oil (See Hydraulic Oil Filter Group for components)
	0924168-8	1	REDUCER, 1 x 1/2 (Incl. O-RING)
	0921214-3	1	O-RING, 37° flared fitting, JIC, 1"
	0921402-4	1	ELBOW, 37° flared, pltd., adj., str-hd, 5/8 (Incl. O-RING)
	0921349-7	1	O-RING, 1/2
32	0229748-9	1	CLAMP, tube
	0921333-1	1	CAPSCREW, 5/16NC x 1
	0917356-8	1	LOCKWASHER, 5/16
	0910323-5	1	NUT, 5/16NC
33	1013344-5	2	CUSHION
34	0233565-1	1	CLAMP, tube
35	0237575-6	2	CLAMP, tube
	0915724-9	2	CAPSCREW, 3/8NC x 1-3/4 (full thread)
	0919439-0	2	NUT, 3/8NC
36	0250588-1	1	TUBE ASY.
37	0250587-3	1	TUBE ASY.

H-4 & HD-4 TRACTORS
HYDRAULICSJTTLE CLUTCH & SUMP LINES
S/N 3001 & UP

H-4 & HD-4 TRACTORS
HYDRAULICS

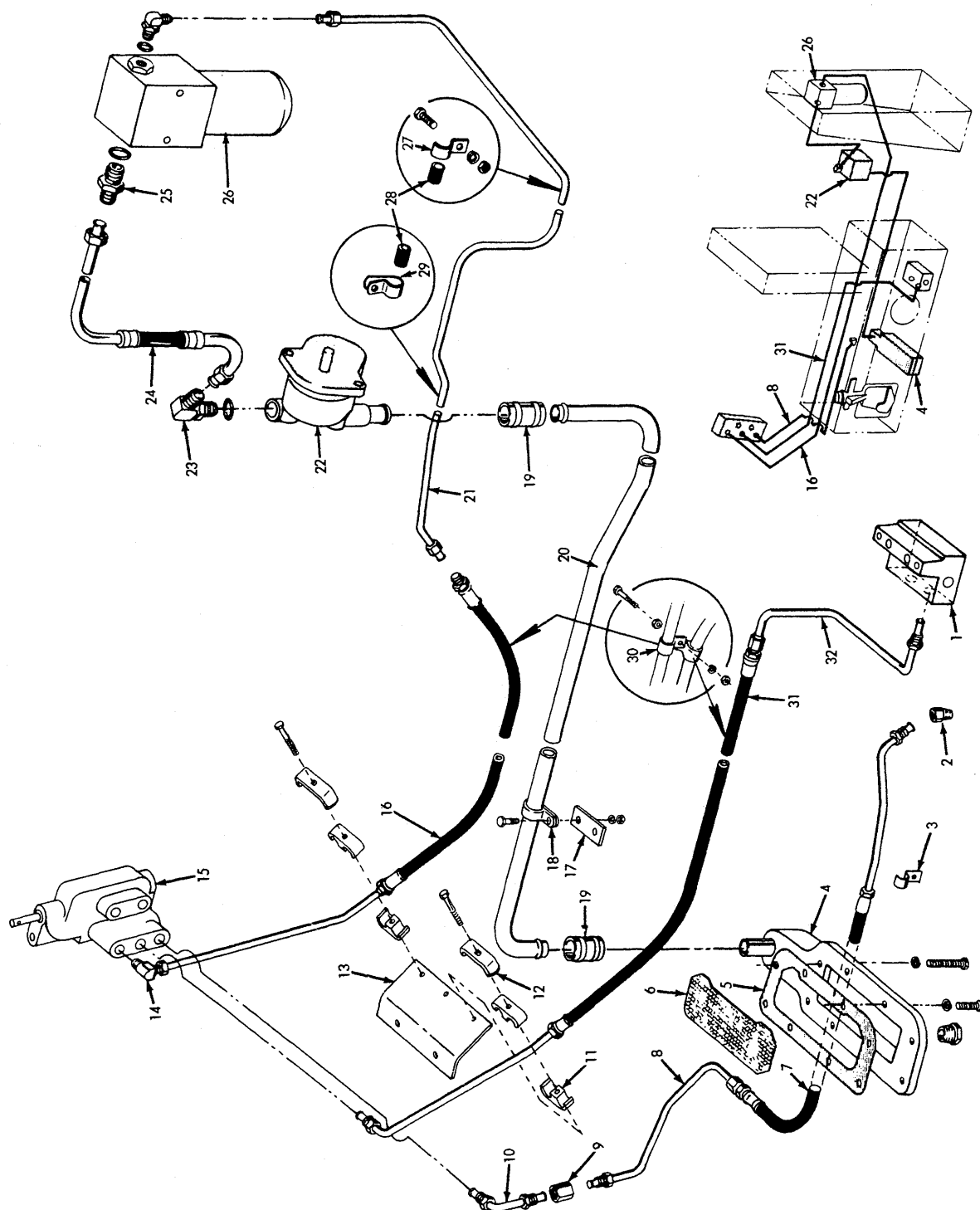
193

SHUTTLE CLUTCH & SUMP LINES
EFF. S/N 3001 & UP

ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	1	MANIFOLD ASY. (See Shuttle Clutch & Oil Cooler Lines)
2	0917497-0	1	ELBOW, male, 45°, 1/2 x 3/8
3	0250609-5	1	CLAMP, "J"
4	-----	1	COVER ASY.
	0921333-1	6	CAPSCREW, 5/16NC x 1
	0917356-8	8	LOCKWASHER, 5/16
	0921160-8	2	CAPSCREW, 5/16NC x 2-1/4
	0920416-5	1	PLUG, pipe, 1/2
5	0246134-1	1	GASKET
6	0249934-1	1	SCREEN, intake
7	0250586-5	1	TUBE ASY.
8	0250585-7	1	TUBE ASY.
9	0917485-5	1	UNION, flare, 1/2
10	0251862-9	1	TUBE ASY. (valve to union stamp)
11	0236750-6	4	CUSHION, tube
12	0228465-1	2	CLAMP
	0921962-7	2	CAPSCREW, 1/4NC x 1-3/4
13	0249795-6	1	PLATE ASY., clamp mount
14	0913888-4	1	ELBOW, male, 1/2 x 3/8
15	-----	1	SHUTTLE CLUTCH CONTROL VALVE (See Shuttle Clutch Control Valve Group for components)
16	0249816-0	1	TUBE ASY.
17	0249953-1	1	BRACKET
18	0249952-3	1	CLAMP
	0921210-1	1	CAPSCREW, 3/8NC x 1
	0916965-7	1	LOCKWASHER, 3/8
	0916950-9	1	NUT, 3/8NC
19	0242564-3	2	HOSE, strainer, tube to pump
	0922660-6	2	CLAMP, hose, 1-1/6 to 2
20	0249951-5	1	TUBE, strainer to pump
21	0247191-0	1	TUBE ASY., shuttle clutch (filter to valve)
22	-----	1	HYDRAULIC PUMP (refer to Hydraulic Pump Group for components)
23	0921350-5	1	ELBOW, adj., 37°, flared, 5/8 x 7/8 (Incl. O-RING)
	0921205-1	1	O-RING, 3/4 I.D. x 3/32 W.
24	0254139-9	1	TUBE ASY., pump to filter
25	0924022-7	1	CONNECTOR, reducing, 5/8 x 1-5/16 (Incl. O-RING)
	0921205-1	1	O-RING, 3/4 I.D. x 3/32 W.
26	-----	1	FILTER ASY., hydraulic oil (see Hydraulic Oil Filter Group for components)
	0924168-8	1	REDUCER, 1 x 1/2 (Incl. O-RING)
	0921214-3	1	PIN, 1-5/32 I.D. x 1/8 W.
	0921402-4	1	ELBOW, adj., 37°, flared, 5/8 (Incl. O-RING)
	0921349-7	1	O-RING, 5/8 I.D. x 3/32 W.
27	0229748-9	1	CLAMP, tube
	0921333-1	1	CAPSCREW, 5/16NC x 1
	0917356-8	1	LOCKWASHER, 5/16
	0917372-5	1	NUT, 5/16NC
28	1013344-5	2	CUSHION
29	0233565-1	1	CLAMP, tube
30	0237575-6	2	CLAMP, tube
	0915724-9	2	CAPSCREW, 3/8NC x 1-3/4
	0919439-0	2	NUT, 3/8NC
31	0250588-1	1	TUBE ASY.
32	0250587-3	1	TUBE ASY.
—	0930871-9	1	TIE (Not illustrated)
—	0925094-5	1	TIE (Not illustrated)

104-101

SHUTTLE CLUTCH & SUMP LINES



SHUTTLE CLUTCH & SUMP LINES
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
28	228441	2	CUSHION
29	233565	1	CLAMP, tube
30	237575	2	CLAMP, tube
		1	912943 CAPSCREW, 3/8NC x 1-3/4
		1	915891 NUT, 3/8NC
31	250588	1	TUBE ASSY.
32	250587	1	TUBE ASSY.
--	0245558-2	1	*TIE
--	239726	1	*TIE

* Not shown

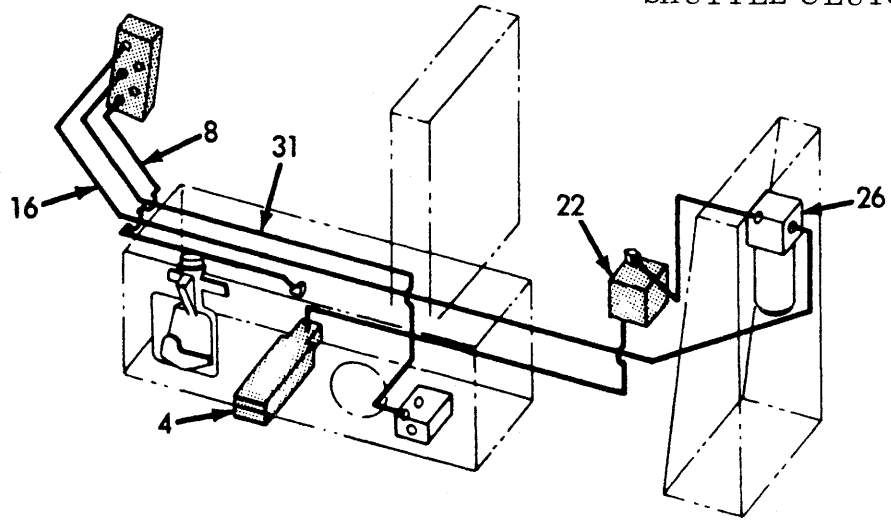
SHUTTLE CLUTCH INTERNAL LINES

ITEM	NUMBER	QTY.	DESCRIPTION
1	923663	2	O-RING
2	923565	1	O-RING, 1" I.D.
3	253374	1	PLATE, adaptor
		2	921210 CAPSCREW, 3/8NC x 1
		2	916965 WASHER, lock, 3/8
4	233245	1	GASKET, cover
5	247263	2	TUBE, cover
		1	913842 NUT, inverted, flared, 3/8
6	919547	2	UNION, inverted, flared, 3/8
7	250135	1	TUBE ASSY., (replaces 249276)
		1	919088 ELBOW, male, 3/8
8	250133	1	TUBE ASSY., (replaces 249277)
		1	919072 CONNECTOR, male, 3/8
9	-----	1	CAP, bearing (refer to Transmission Group)
10	250136	1	TUBE ASSY.
11	0927974-6	1	O-RING (replaces 226687)
12	250137	1	BRACKET
		2	903775 CAPSCRAW, 3/8NC x 7/8
		2	916965 WASHER, lock, 3/8

104-103

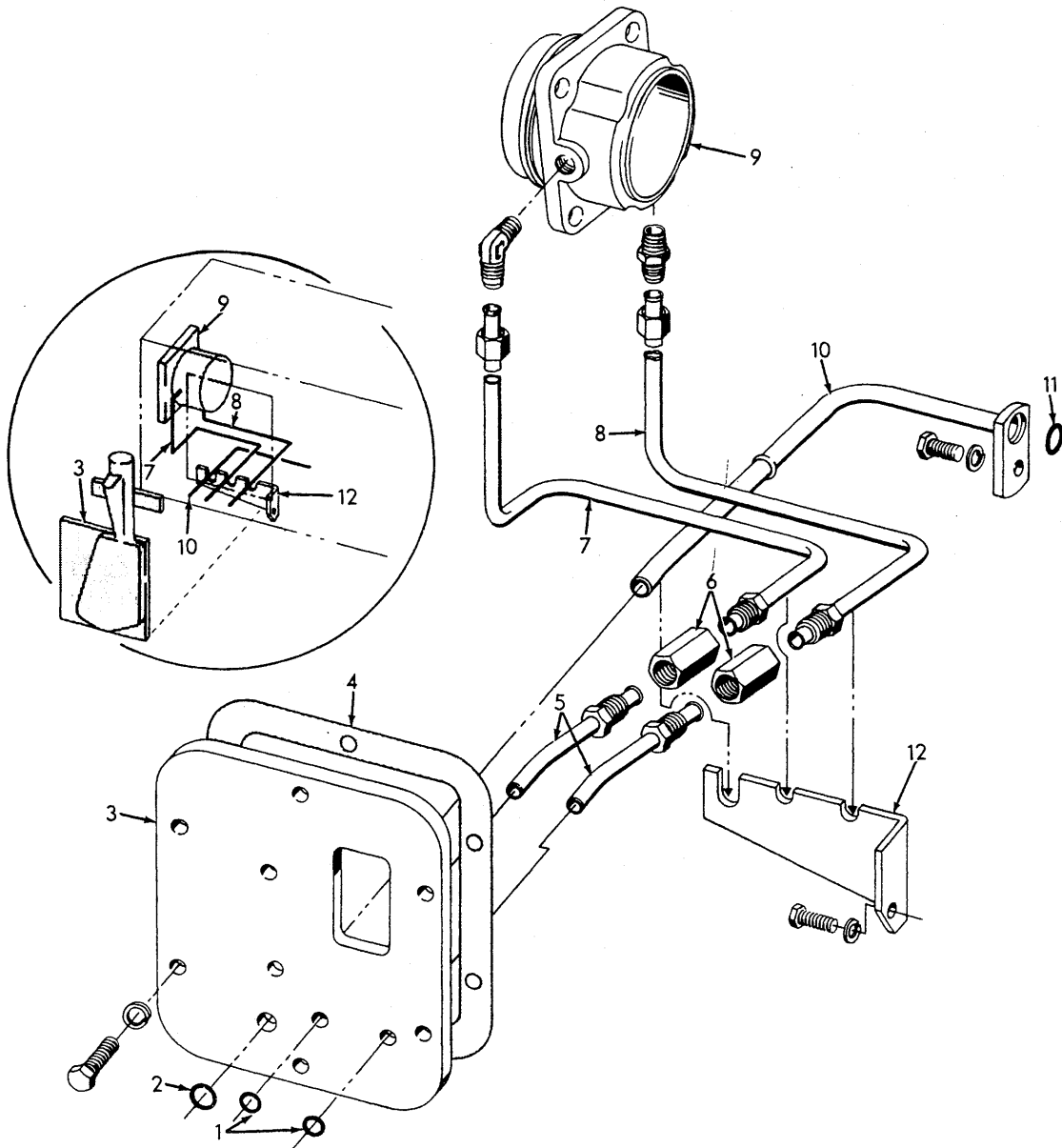
SHUTTLE CLUTCH & SUMP LINES
(Continued)

(See Page 147)



104-104

SHUTTLE CLUTCH INTERNAL LINES



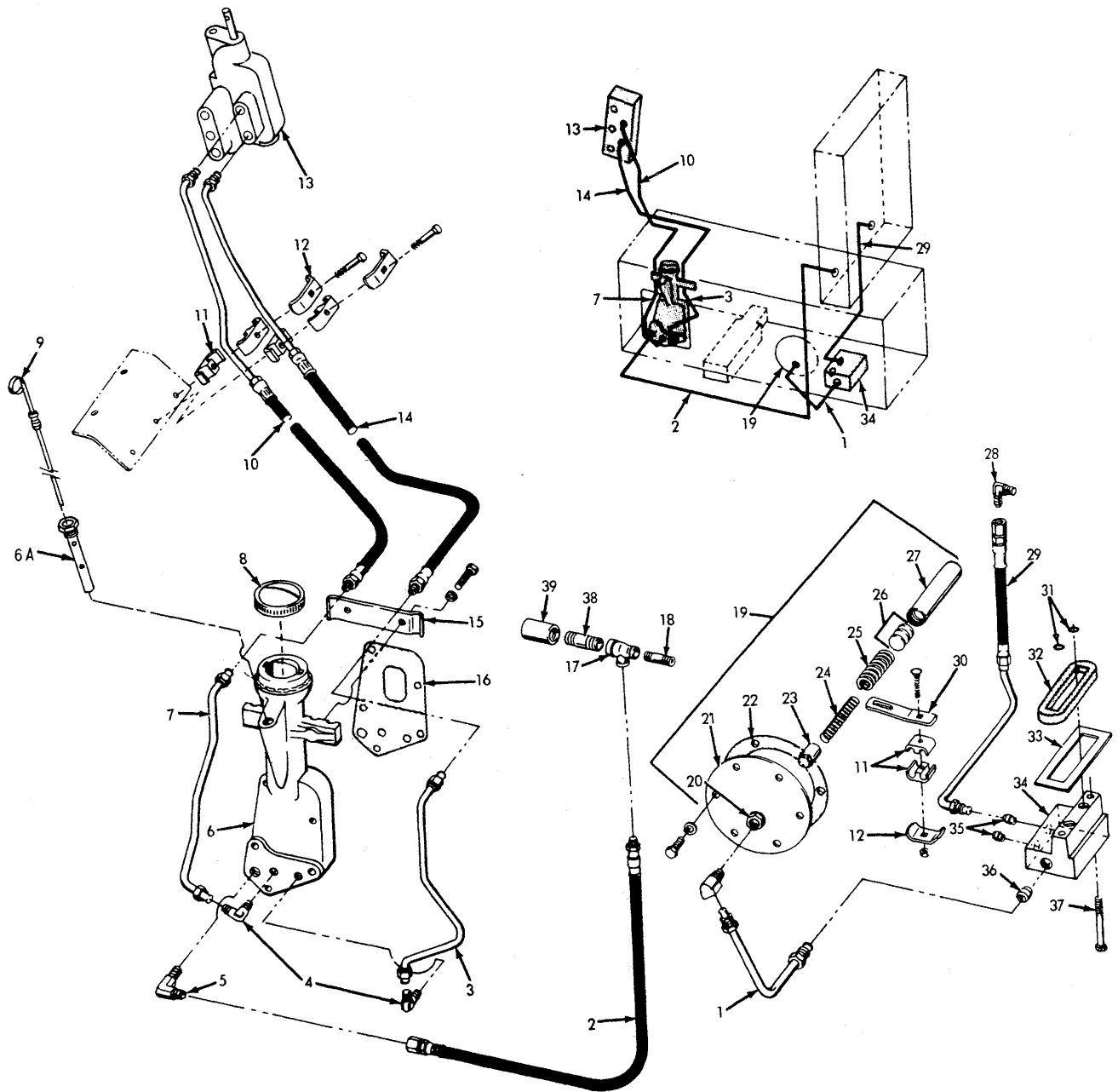
SHUTTLE CLUTCH & OIL COOLER LINES

ITEM	NUMBER	QTY.	DESCRIPTION
1	249522	1	TUBE ASSY., manifold to sump 1 920662 ELBOW, male, 5/8 x 1/2
2	248699	1	HOSE ASSY.
3	246612	1	TUBE ASSY.
4	919135	2	ELBOW, male, JIC, 3/8 x 1/4
5	923641	1	ELBOW, 37°, flared, 1/2 I.D. x 3/8 pipe
6	0253371-9	1	MANIFOLD 2 922130 CAPSCREW, 3/8NC x 2-1/4, Gr. 5 3 923701 CAPSCREW, 3/8NC x 2, Gr. 5
6A	0253355-2	1	TUBE ASSY.
7	246613	1	TUBE ASSY.
8	228498	1	CAP, filler
9	247425	1	DIPSTICK
10	249818	1	TUBE ASSY., valve to manifold
11	236750	6	CUSHION, tube
12	228465	3	CLAMP 1 919316 CAPSCREW, 1/4 x 1-3/4
13	-----	1	SHUTTLE CLUTCH VALVE (see Shuttle Clutch Valve Group for components)
14	249819	1	TUBE ASSY., valve to manifold
15	246611	1	BRACKET 2 903771 CAPSCREW, 5/16NC x 7/8 2 917356 WASHER, lock, 5/16
16	246467	1	GASKET
17	919646	1	TEE, pipe, reducing, 1/2 x 3/8 x 3/8
18	901490	1	NIPPLE, pipe, 1-1/2
19	247991	1	RELIEF VALVE & COVER ASSY., (incl. Items 20, 21 & 22 thru 27)
20	911072	1	REDUCER
21	-----	1	COVER, side (serviced in Assy. only) 6 926115 CAPSCREW, 1/2NC x 3/4 6 916966 WASHER, lock, 1/2
22	233244	1	GASKET
23	247990	1	PLUNGER, relief valve
24	246324	1	SPRING, compression (inside)
25	246325	1	SPRING, compression (outside)
26	246326	*	SHIM
27	-----	1	BODY, relief valve (serviced in Assy. only)
28	919206	1	ELBOW, male, 1/2 O.D. tube x 3/8 pipe
29	0254584-6	1	TUBE ASSY. (replaces 250610)
30	249708	1	BAR, clamp support 1 921920 BOLT, 1/4NC x 1-1/2 1 920397 NUT, 1/4NC
31	0927974-6	2	O-RING (replaces 226687)
32	246320	1	SEAL
33	246321	1	PIATE, seal
34	246318	1	MANIFOLD ASSY. (incl. tube seats)
35	227343	2	SEAT, tube, 1/2 (incl. in Item 34)
36	227530	1	SEAT, tube, 5/8 (incl. in Item 34)

(Continued)

104-102

SHUTTLE CLUTCH & OIL COOLER LINES



SHUTTLE CLUTCH & OIL COOLER LINES
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
37	246319	2	CAPSCREW
			8 910815 WIRE, 18 Gauge
38	901500	1	NIPPLE, pipe, 1/2 x 1-1/8
39	917567	1	COUPLING, straight, 1/2

* Use as required

SHUTTLE CLUTCH VALVE

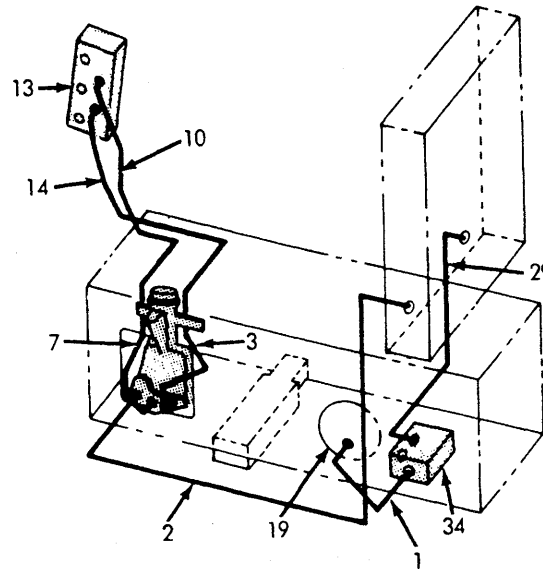
ITEM	NUMBER	QTY.	DESCRIPTION
--	252573	1	VALVE ASSY., shuttle clutch
1	247270	2	CAP, end
2	244619	*	SHIM
3	921349	2	O-RING, JIC, 1/2
4	247271	1	SPRING, relief valve
5	0252571-5	1	WASHER
6	252569	1	VALVE, relief
7	247039	1	SPOOL ASSY.
8	-----	1	BODY ASSY. (incl. orifice) (serviced in Assy. only)
		2	919134 PIPE, plug, 1/8
9	243321	1	SEAL, oil
10	227343	2	SEAT, tube, 1/2
11	227463	2	SEAT, tube, 3/8
12	247398	1	ROD, control
13	252570	2	SPRING, throttling
14	251838	1	SPOOL, clutch, reg.
15	252572	1	RETAINER, snap ring
16	244616	1	RING, snap
17	252571	2	WASHER

* Use as required

104-105

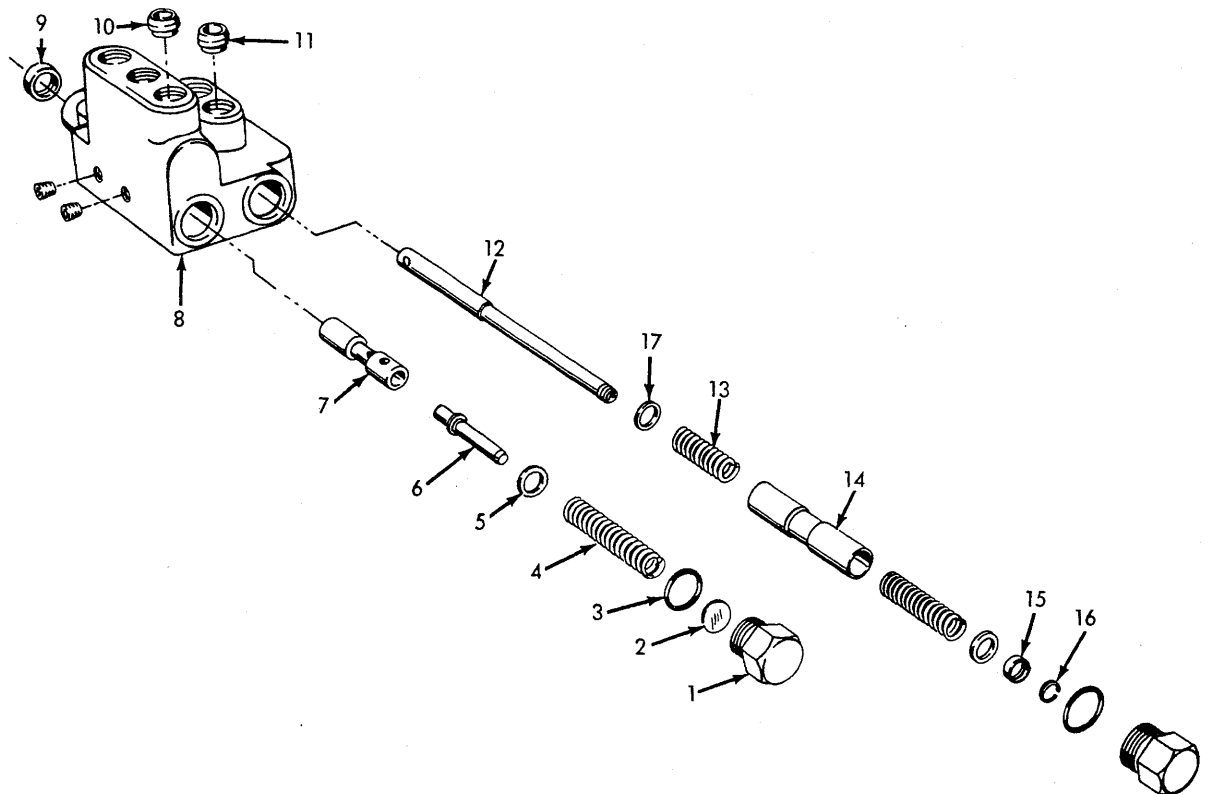
SHUTTLE CLUTCH & OIL COOLER LINES

(See Page 151)



104-106

SHUTTLE CLUTCH VALVE



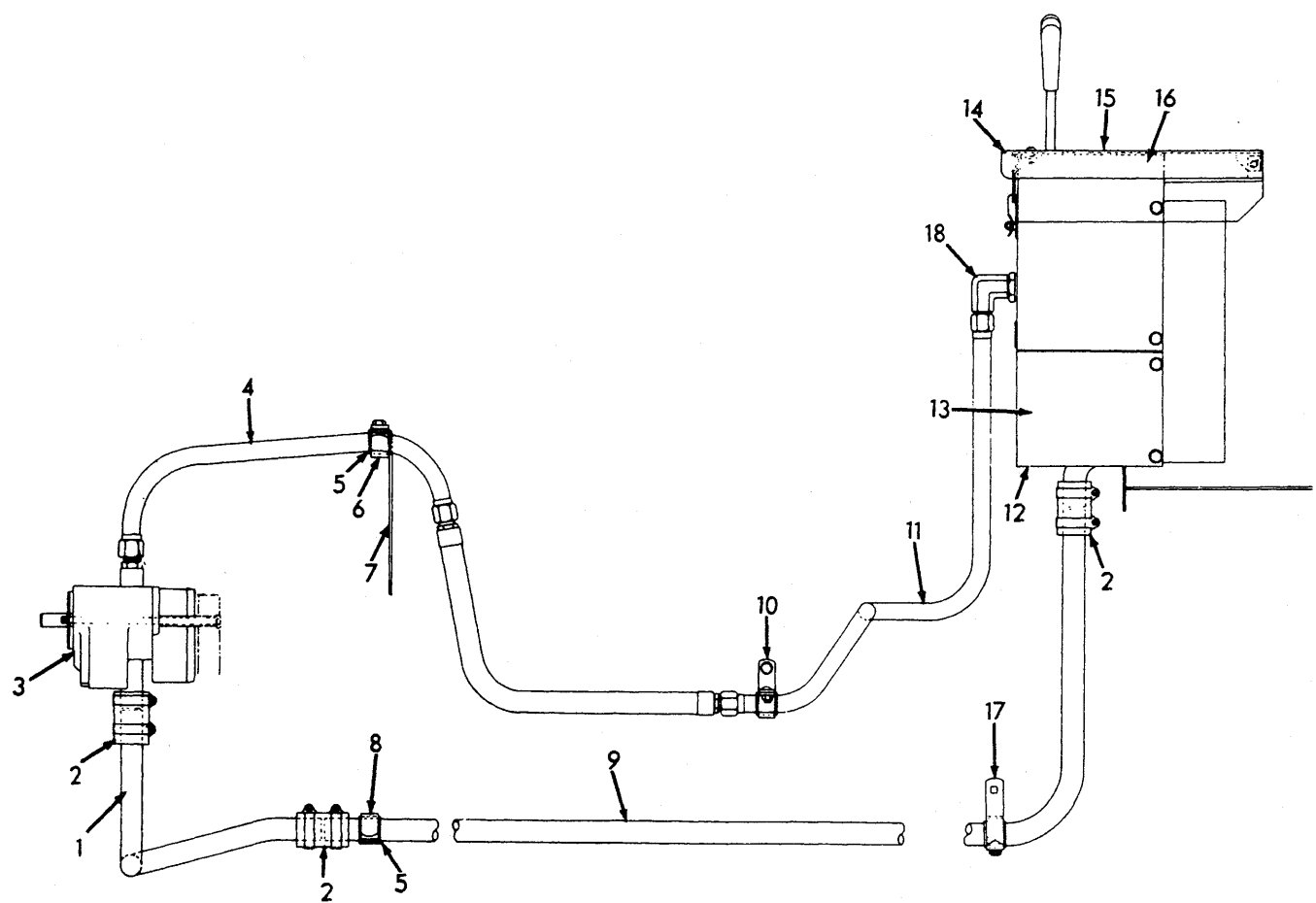
HYDRAULIC SYSTEM

ITEM	NUMBER	QTY.	DESCRIPTION
1	244833	1	TUBE, pump intake, front
2	244834	3	HOSE
		2	921912 CLAMP, hose, 1-1/16 to 2
3	-----	1	PUMP ASSY., dual, 15G.P.M. (see Hydraulic Pump Group for components)
	-----	1	PUMP ASSY., dual, 25G.P.M. (see Hydraulic Pump Group for components)
4	254034	1	TUBE ASSY., pump to valve, front
		1	924167 CONNECTOR, 1 O.D. x 13/16 I.D. (incl. O-ring)
		1	921214 O-RING, 1-5/32 I.D. x 3/32 W.
5	0234976-9	2	CUSHION
6	234993	2	CLAMP, tube
		1	921961 CAPSCREW, 1/4NC x 1-1/4
		1	916622 NUT, 1/4NC
		1	916964 WASHER, lock, 1/4
7	0254036-7	1	BRACKET, tube clamp
8	247277	2	CLAMP, tube
		1	926144 CAPSCREW, 5/16NC x 7/8
		1	916871 NUT, 5/16NC
9	244836	1	TUBE, pump intake, rear
10	244837	1	BRACKET
		1	903793 CAPSCREW, 5/8NC x 2
		1	915726 NUT, 5/8NC
		1	917373 WASHER, lock, 5/8
		1	921908 BOLT, 1/4NC x 1
		1	916694 WASHER, lock, 1/4
		1	0234857-1 SPACER
11	0244838-9	1	TUBE ASSY., pump to valve, rear (replaces 254035)
12	-----	1	RESERVOIR ASSY., (see Reservoir Group f/components)
13	244798	1	COVER, lower
		4	921965 CAPSCREW, 3/8NC x 2-3/4
		4	916965 WASHER, lock, 3/8
14	244799	1	COVER ASSY., heat
		1	926144 SCREW, 5/16NC x 7/8
		1	916871 NUT, 5/16NC
		2	917646 PIN, 3/8
		2	918448 PIN, cotter, 3/32 x 1
		2	922464 WASHER, plain, 13/32 x 21/32 x 1/16
		1	924355 WASHER, 3/8
		1	245307 STRIP, packing (lid)
15	-----	1	TRANSFER (service instructions)
16	244797	1	COVER ASSY.
		4	921965 CAPSCREW, 3/8NC x 2-3/4
		4	916965 WASHER, lock, 3/8

(Continued)

104-107

HYDRAULIC SYSTEM



HYDRAULIC SYSTEM
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
17	246168	1	CLAMP
	247067	1	BRACKET
	0234976-9	1	CUSHION
			1 913997 BOLT, 3/8NC x 1
			1 916950 NUT, 3/8NC
			1 916965 WASHER, lock, 3/8
18	924026	1	ELBOW, 1 x 1-1/16
--	249308	1	TEE (used w/Ulrick bucket)
			1 921244 CAP, 3/4 tube

HYDRAULIC PUMP

ITEM	NUMBER	QTY.		DESCRIPTION
		*	**	
--	247224	1	-	PUMP ASSY., 15 G.P.M.
--	247252	-	1	PUMP ASSY., 25 G.P.M.
1	247243	1	1	COVER ASSY., (incl. 2 of Item 12)
		6	918829	CAPSCREW, 3/8NC x 3/4
2	247249	1	-	PIN, dowel
	247260	-	1	PIN, dowel
3	250280	2	2	RING, back-up
4	250279	1	1	RING, sealing
5	241973	2	2	PLATE, wear
6	0245685-3	2	2	SEAL, wear plate
7	247250	1	1	PLATE, retaining
8	241125	1	-	PLATE, gear
	243621	-	1	PLATE, gear
9	0241138-7	1	1	RETAINER ASSY., seal
		1	0241139-5	SEAL, oil
		3	0914198	SCREW, rd.hd., pltd., No. 10NC x 3/8
		1	0247332-0	RETAINER, seal
10	923571	1	1	O-RING
11	247241	1	1	BODY ASSY., (incl. 2 of Item 12 & 1 of Item 15)
12	234692	4	4	BEARING, needle (2 each incl. in Items 1 & 11)
13	247245	1	-	SHAFT & GEAR ASSY., drive
	247254	-	1	SHAFT & GEAR ASSY., drive
14	247247	1	-	SHAFT & GEAR ASSY., idler
	247258	-	1	SHAFT & GEAR ASSY., idler
15	643560	1	1	SEAL, oil

ASSEMBLIES & PACKAGES

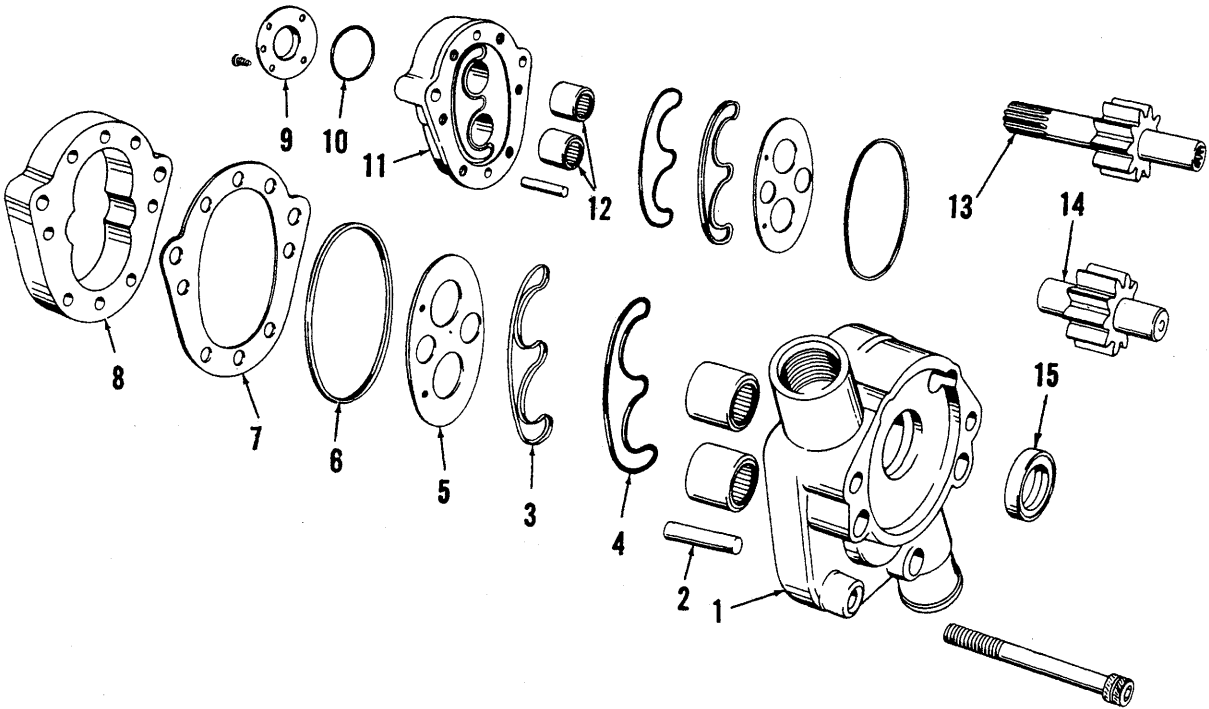
-- 253490 1 1 KIT, seal (incl. Items 3, 4 & 6)

*15 G.P.M.

**25 G.P.M.

104-110

HYDRAULIC PUMP



REAR PUMP & MANIFOLD

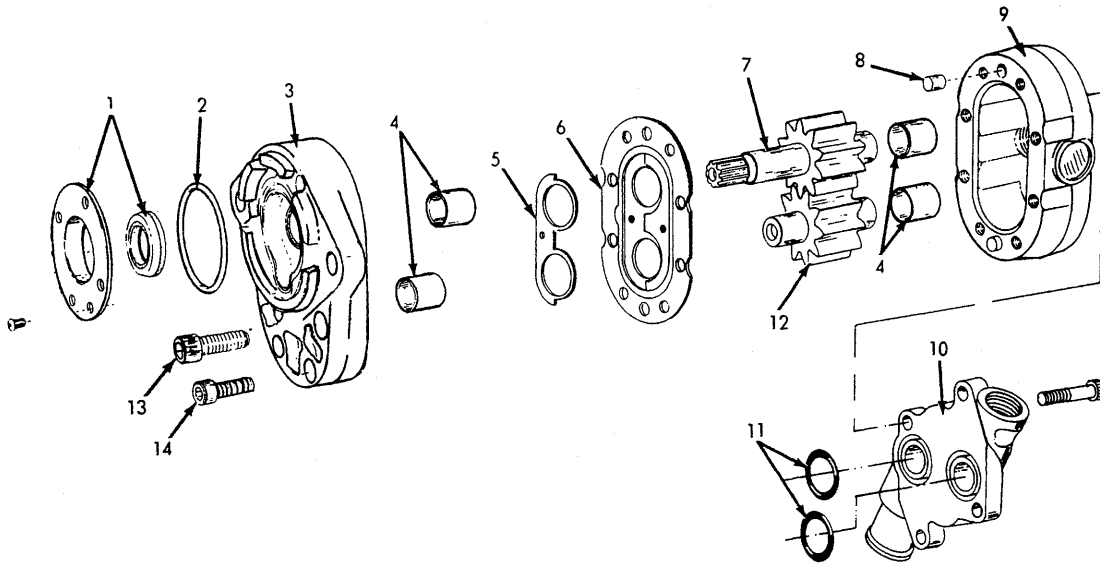
ITEM	NUMBER	QTY.	DESCRIPTION
-	0253271-1	1	PUMP ASSY., rear (replaces 252568)
1	3044223	1	RETAINER ASSY., seal
		3	914198 SCREW, pltd., #10NC x 3/8
2	924038	1	O-RING, 1-15/16 x 2-1/8 x 3/32
3	252863	1	BODY ASSY., pump (incl. 2 of Item 4)
4	-----	4	BEARING, needle (not serviced)
5	0252870-1	1	PLATE, back-up
6	0252869-3	1	SEAL ASSY., wear plate
7	252865	1	SHAFT ASSY., drive (incl. Gear)
8	252871	2	PIN, dowel
9	252861	1	COVER ASSY., pump (incl. 2 of Item 4)
10	247235	1	MANIFOLD, pump
	252875	4	SCREW, manifold (to pump)
11	4058962	2	O-RING, manifold
12	252867	1	SHAFT ASSY., idler (incl. gear)
13	252873	4	SCREW, socket head
14	252872	4	SCREW, socket head
-	1003646-5	1	KIT, seal (Incls. Items 5 & 6)

RESERVOIR HYDRAULIC OIL

ITEM	NUMBER	QTY.	DESCRIPTION
1	244796	--	TANK ASSY., reservoir
		1	904224 PLUG, pipe, 3/4
2	-----	1	TUBE ASSY., discharge
	244807	1	TUBE, discharge
		1	924006 NUT, pltd., 37°, 7/8
		1	924007 SLEEVE, pltd., 37°, 7/8
3	244809	1	SPRING
4	244808	2	PLUNGER
		2	900811 PIN, cotter, 3/16 x 1-1/2
5	-----	1	OIL STRAINER & MAGNET (see Oil Strainer Group)
6	-----	1	FILTER ASSY., (see Reservoir Filter Group f/components)
7	244811	1	CAP ASSY., (incl. dipstick)
8	245088	1	HOSE
		2	921912 CLAMP, hose
9	3002766-8	1	BREATHING (replaces 244804)
10	244810	1	TUBE ASSY., filter
11	924014	1	TEE, 37°, 7/8
12	244812	1	GASKET, cover
13	244813	1	COVER
		18	916950 NUT, 3/8NC
		18	916965 WASHER, lock, 3/8
14	235666	4	BOLT, reservoir mounting
		1	919423 NUT, pltd., 1/2NF
		1	916966 WASHER, lock, 1/2

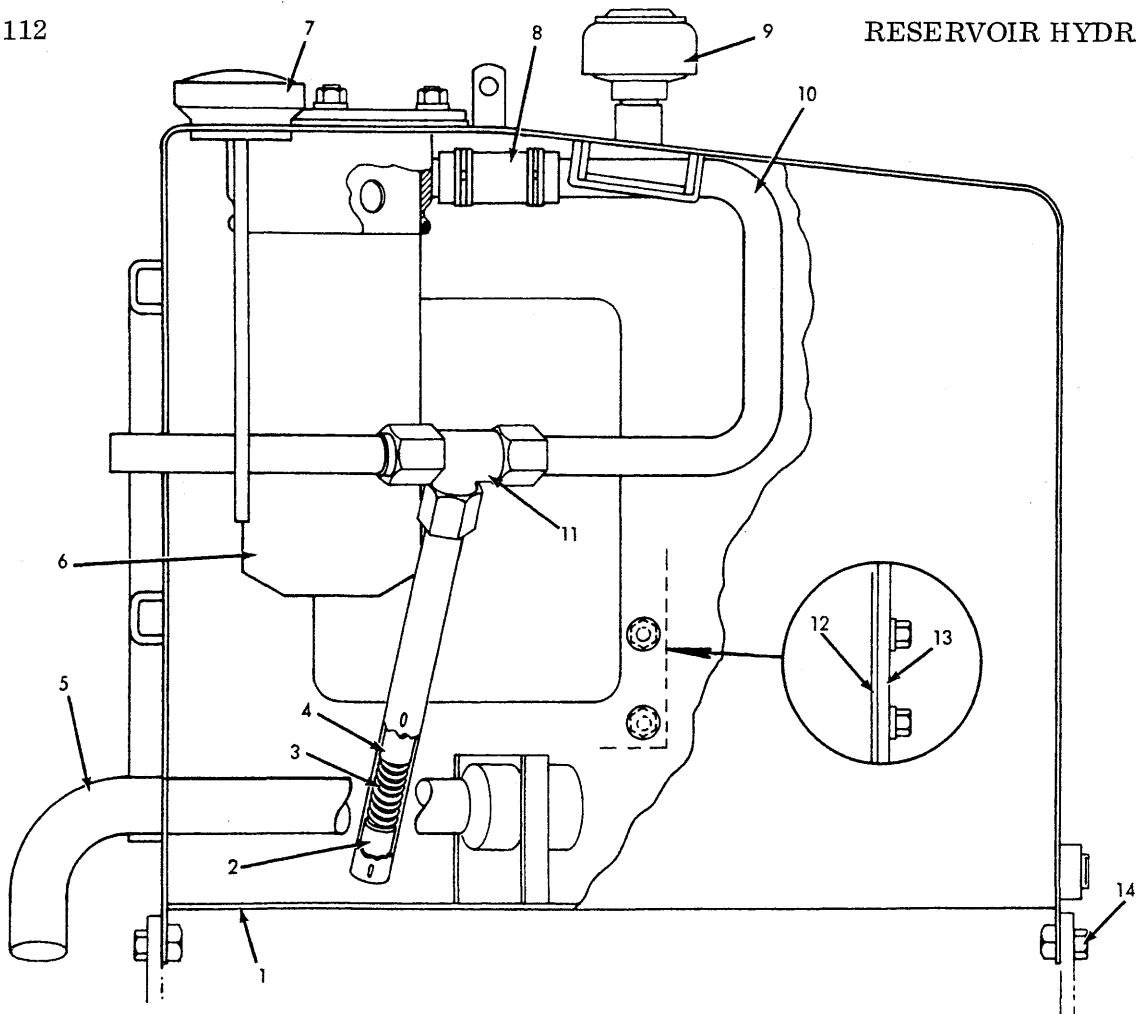
104-111

REAR PUMP & MANIFOLD



104-112

RESERVOIR HYDRAULIC OIL



RESERVOIR FILTER

ITEM	NUMBER	QTY.	DESCRIPTION
1	245835	1	COVER
		6	916950 NUT, 3/8NC
		6	916965 WASHER, lock, 3/8
2	3039899	1	GASKET
3	3031996-6	1	ELEMENT ASSY. (replaces 247329)
4	3016403	1	WASHER
5	3016399	1	SPRING
6	3016079-0	1	CASE, filter
7	923600	1	O-RING, 4 I.D. x 3/16 W.

RESERVOIR OIL STRAINER & MAGNET

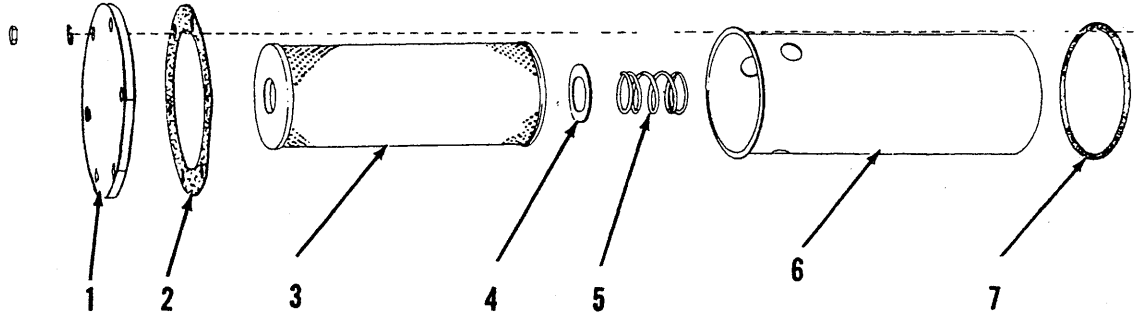
ITEM	NUMBER	QTY.	DESCRIPTION
1	3013848	1	BAIL
2	3013852	1	BAFFLE
3	3013847	1	SUPPORT, baffle
4	3010653	1	STRAINER
5	3013850	1	MAGNET

FRONT HYDRAULIC OIL FILTER

ITEM	NUMBER	QTY.	DESCRIPTION
--	-----	1	FILTER, ASSY., oil
1	246107	1	CASE, filter
2	246085	1	ELEMENT, filter
3	246106	1	RING, back-up
4	923586	1	O-RING, 3/-1/2 I.D.
5	0246103-6	1	HEAD ASSY., filter (incl. Item 6)
6	246105	1	VALVE ASSY., relief

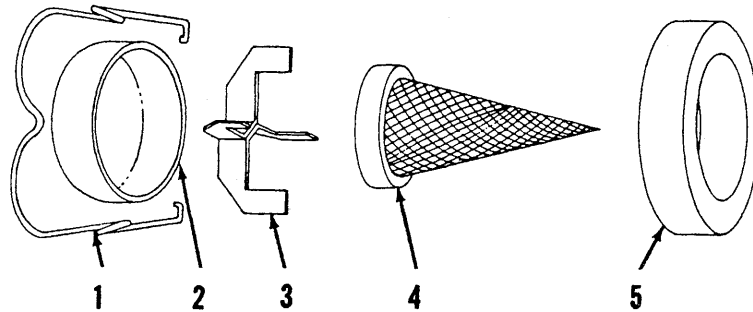
104-113

RESERVOIR FILTER



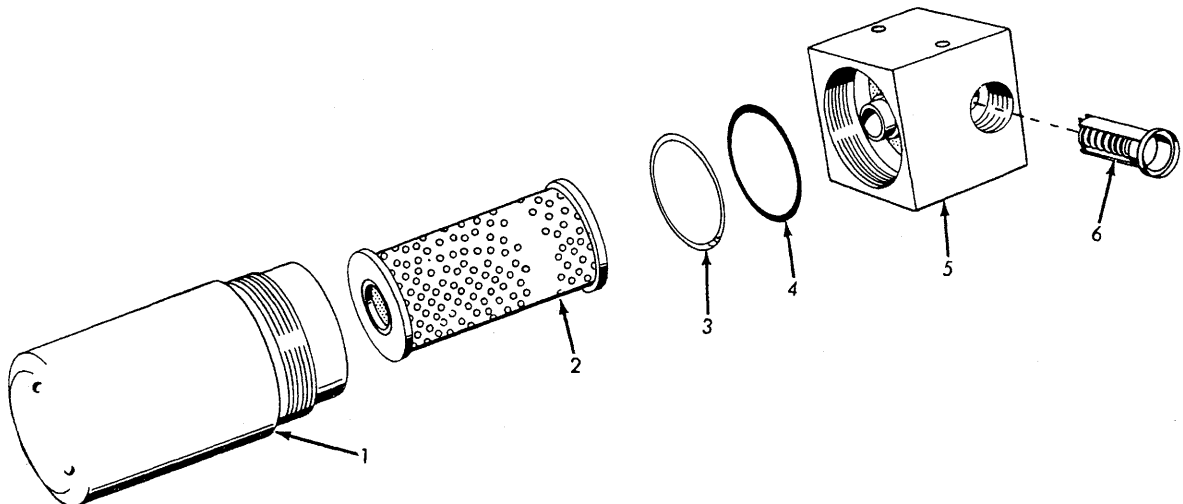
104-115

RESERVOIR OIL STRAINER & MAGNET



104-116

FRONT HYDRAULIC OIL FILTER



CONTROL VALVES

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

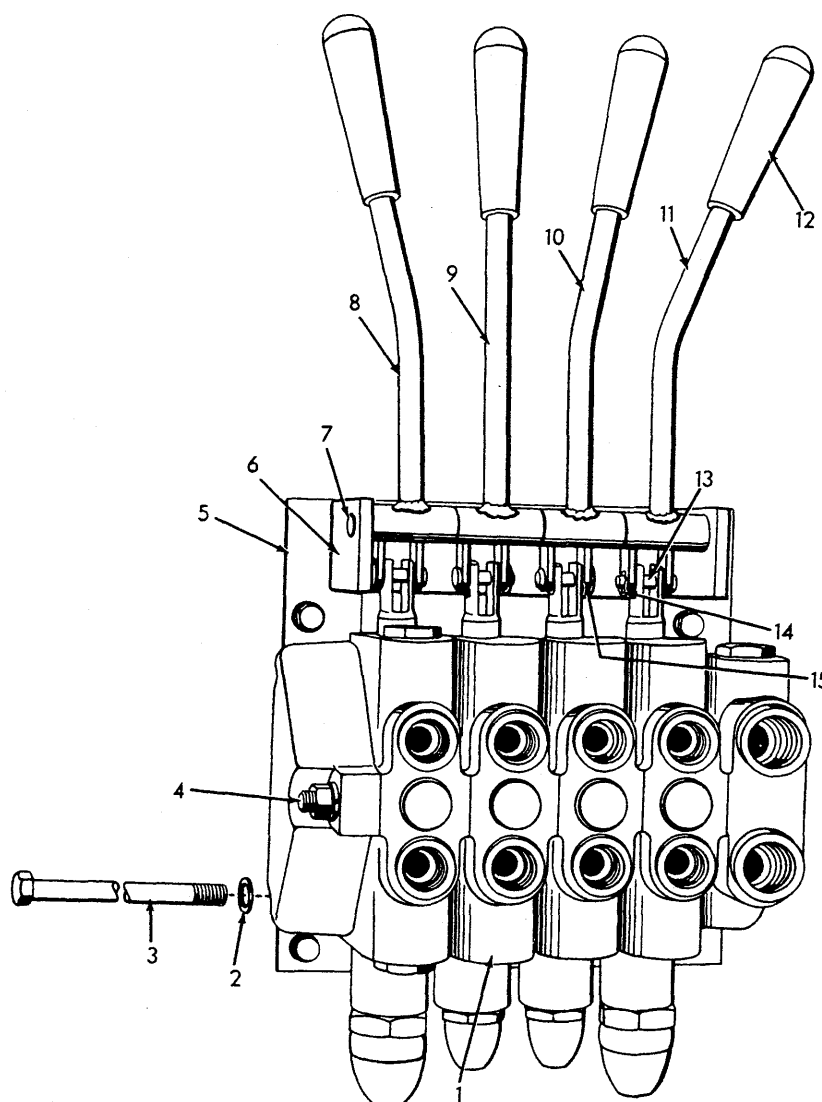
NOTE: Valve assemblies are serviced by sections only. The sections can be identified by the letters A, D, E, F, or J stamped on the valve body. End sections are standard for all valve combinations. A complete list of valve combinations is shown in Item 1 of this Group. Refer to the respective valve sections when ordering complete sections or components of sections.

1	-----	1	VALVE ASSY., 2 spool, loader (incl. end sections, 1-2016342 F Section & 1-0244775-3 J Section) (replaces 1-248940)
	-----	1	VALVE ASSY., 3 spool, dozer (incl. 2-2017881 A Section & 1-0244775-3 J Section) (replaces 1-248940)
	-----	1	VALVE ASSY., 3 spool loader w/scarifier (incl. 1-2017881 A Section, 1-2016342 F Section, & 1-0244775-3 J Section) (replaces 1-248940)
	-----	1	VALVE ASSY., 3 spool loader w/log grapple (incl. 1-2017882 E Section, 1-2016342 F Section, & 1-0244775-3 J Section) (replaces 1-248940)
	-----	1	VALVE ASSY., 4 spool dozer w/scarifier (incl. 3-2017881 A Section, & 1-0244775-3 J Section) (replaces 1-248940)
	-----	1	VALVE ASSY., 4 spool loader, 4-way bucket w/scarifier (incl. 1-2017881 A Section, 1-2016342 F Section, 1-0244775-3 J Section, & 1-2017882 E Section) (replaces 1-248940)
2	2016348	2	WASHER, dynaseal
3	2018076	2	CAPSCREW (4 spool valve)
	2017889	2	CAPSCREW (3 spool valve)
	923170	2	CAPSCREW (2 spool valve)
4	2018077	1	BOLT, thru (4 spool valve)
	244856	1	BOLT, thru (3 spool valve)
	244855	1	BOLT, thru (2 spool valve)
		1	910876 NUT, 7/16NF
		1	918199 WASHER, lock, 7/16
5	244814	1	ADAPTOR, stack valve
		3	923114 CAPSCREW, 1/2NC x 7/8
		3	916966 WASHER, lock, 1/2
		4	903775 CAPSCREW, 3/8NC x 7/8
		4	916965 WASHER, lock, 3/8
6	244815	1	BRACKET, lever
		4	903628 CAPSCREW, 3/8NC x 5/8
		4	916965 WASHER, lock, 3/8
7	244816	1	SHAFT, control valve
		1	916160 HUGLOCK, 3/8NC
		1	916965 WASHER, lock, 3/8
8	244716	1	LEVER, #4 (replaces 244723)
	244711	1	HUB, replaces lever when used w/3 spool valve
9	244716	1	LEVER, #3
	244711	1	HUB, replaces lever when used w/2 spool valve
10	244716	1	LEVER, #3 (replaces 244714)
	244711	1	HUB, replaces lever when used w/1 spool valve
11	244716	1	LEVER, #1 (replaces 244709)

(Continued)

104-117

CONTROL VALVES



CONTROL VALVES
(Continued)

ITEM	NUMBER	QTY.	DESCRIPTION
12	233770	*	KNOB, lever
13	244719	**	PIN, control valve
14	234426	**	E-RING
15	244720	**	LINK, control valve

* Use as required

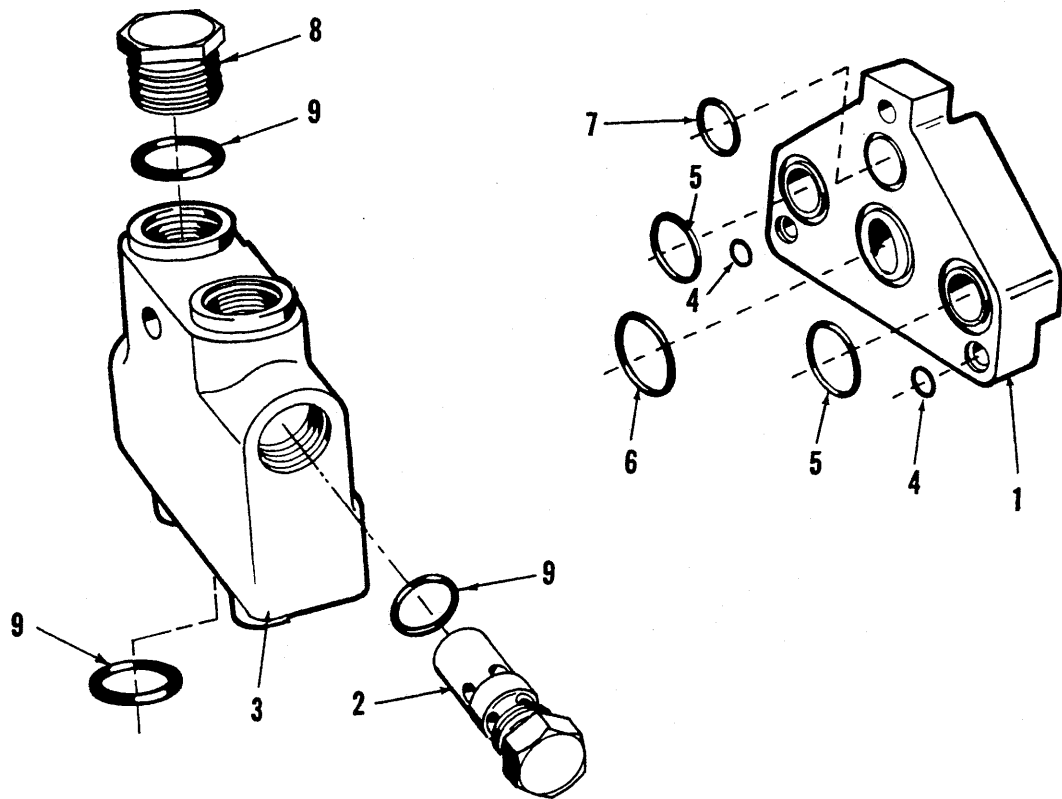
** Use 2 w/each control lever

END SECTIONS & MAIN RELIEF

ITEM	NUMBER	QTY.	DESCRIPTION
1	244740	1	PLATE, end, plain
2	1001559-2	1	VALVE ASSY., relief, 1625 P.S.I. (incl. Item 9) (replaces 244782)
	2018584	1	VALVE ASSY., relief, 2000 P.S.I. (incl. Item 9)
3	244781	1	PLATE, end
4	923845	2	O-RING, 7/16 I.D. x 1/16 W.
5	923989	2	O-RING, 1-1/8 I.D. x 1/16 W.
6	923987	1	O-RING, 1-3/8 I.D. x 1/16 W.
7	2017811	1	O-RING, 7/8 I.D. x 1/16 W.
8	921204	1	PLUG ASSY., (incl. Item 9)
9	923566	3	O-RING, 7/8 I.D. x 3/32 W.

104-118

END SECTIONS & MAIN RELIEF



SECTION ASSY., VALVE (A)

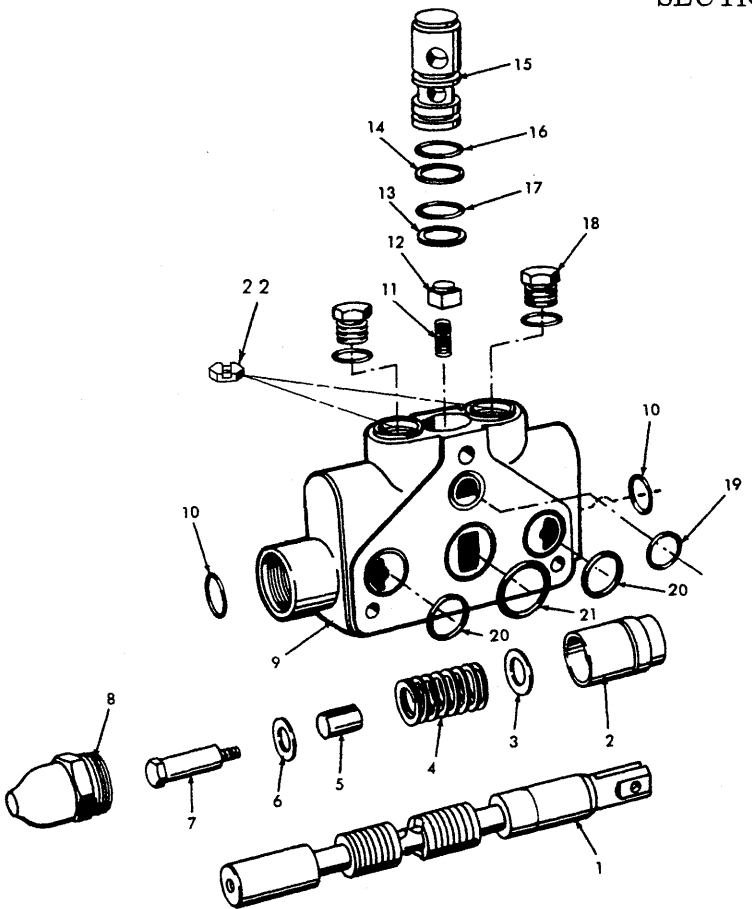
ITEM	NUMBER	QTY.	DESCRIPTION
--	2017881-0	1	SECTION ASSY., double-acting (incl. Items 1 thru 17)
1	-----	1	SPOOL, valve (not serviced separately)
2	2016339-0	1	BUSHING, body
3	2014815-1	1	WASHER, spool spring
4	2014828-4	1	SPRING, spool centering
5	2014816-5	1	SLEEVE, spool
6	2014817-7	1	WASHER, spool spring
7	2014826-8	1	SCREW, spool spring
8	2014813-6	1	CAP ASSY., spool
9	-----	1	BODY ASSY., valve (not serviced separately)
10	0924774-3	2	O-RING, 7/8 I. D. x 3/32 W.
11	2017974-3	1	SPRING, lift check
12	2017975-0	1	POPPET, lift check
13	923562	1	O-RING, 15/16 I. D. x 1/16 W.
14	923566	1	O-RING, 7/8 I. D. x 3/32 W.
15	2017976-8	1	BODY, lift check
16	0926611-5	1	WASHER, back-up (replaces 926618)
17	926609	1	WASHER, back-up
18	920107	2	PLUG, work ports, 5/8 (incl. O-ring)
		1	921205 O-RING, 3/4 I. D. x 3/32 W
19	2017811	1	O-RING, 7/8 I. D. x 1/16 W.
20	923989	2	O-RING, 1-1/8 I. D. x 1/16 W.
21	923987	1	O-RING, 1-3/8 I. D. x 1/16 W.
22	253262	2	ORIFICE PLATE, .062 hole (use with 493 & 4100 Dozer in dozer tilt circuit control valve)

SECTION ASSY., VALVE (D)

ITEM	NUMBER	QTY.	DESCRIPTION
--	2018908-0	1	SECTION ASSY., float (incl. Item 1 thru 16)
1	-----	1	SPOOL, valve (not serviced separately)
2	2016339-0	1	BUSHING, body
3	2018910-6	1	WASHER, spool spring
4	2014828-4	1	SPRING, spool centering
5	2015543-8	1	WASHER, spool spring
6	2018909-8	1	SCREW, spool spring
7	2015544-6	1	CAP ASSY., detent
8	-----	1	BODY ASSY., valve (not serviced separately)
9	0924774-3	2	O-RING, 7/8 I. D. x 3/32 W.
10	2017974-3	1	SPRING, lift check
11	923562	1	O-RING, 15/16 I. D. x 1/16 W.
12	926609	1	WASHER, back-up
13	2017976-8	1	BODY, lift check
14	0926611-5	1	WASHER, back-up (replaces 926618)
15	923566	1	O-RING, 7/8 I. D. x 3/32 W.
16	2017975-0	1	POPPET, lift check
17	920107	2	PLUG, work ports, 5/8 (incl. O-ring)
		1	921205 O-RING, 3/4 I. D. x 3/32 W.
18	2017811	1	O-RING, 7/8 I. D. x 1/16 W.
19	923989	2	O-RING, 1-1/8 I. D. x 1/16 W.
20	923987	1	O-RING, 1-3/8 I. D. x 1/16 W.

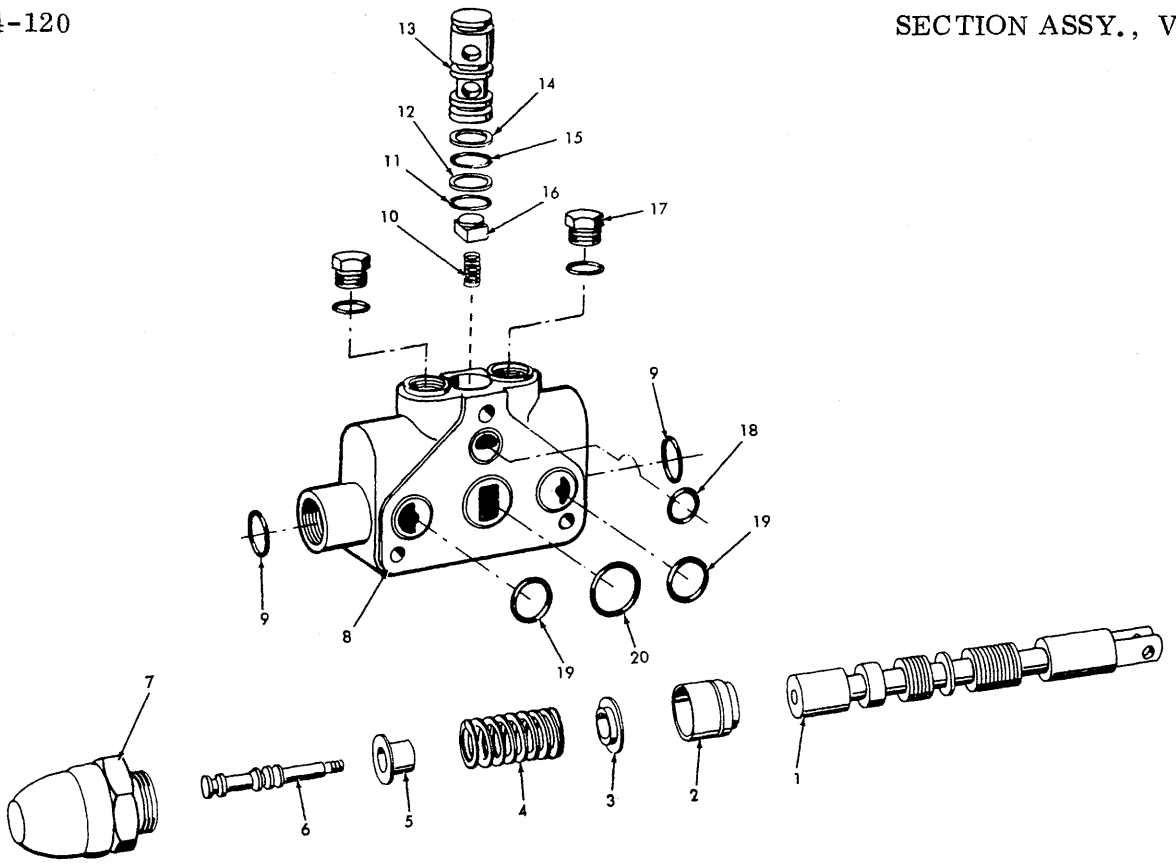
104-119

SECTION ASSY., VALVE (A)



104-120

SECTION ASSY., VALVE (D)

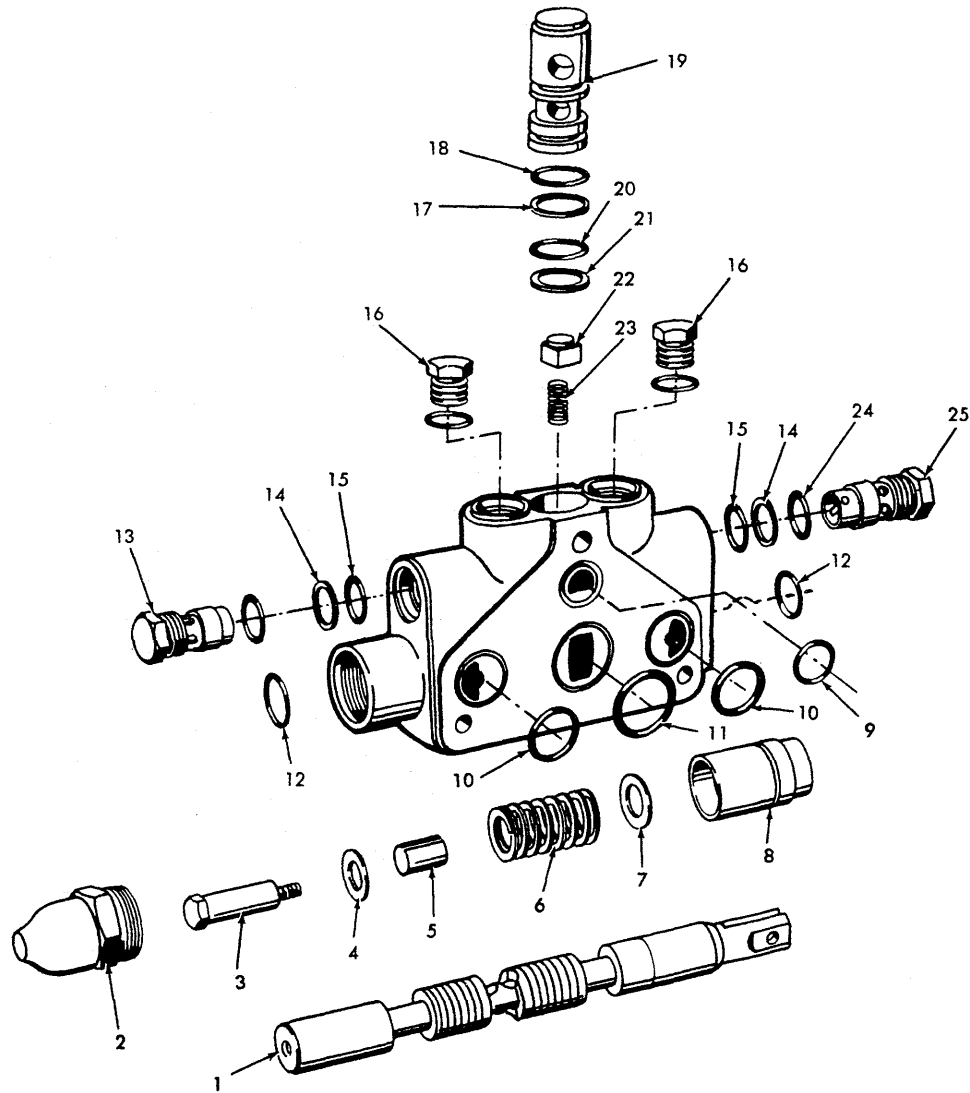


SECTION ASSY., VALVE (E)

ITEM	NUMBER	QTY.	DESCRIPTION
--	2017882	1	SECTION ASSY., double-acting (incl. Items 1 thru 8, & 17 thru 23)
1	-----	1	SPOOL, valve (not serviced separately)
2	2014813-6	1	CAP ASSY., valve
3	2014826-8	1	SCREW, spool spring
4	2014817-7	1	WASHER, spool spring
5	2014816-9	1	SLEEVE, spool spring
6	2014828-4	1	SPRING, spool
7	2014815-1	1	WASHER, spool spring
8	2016339-0	1	BUSHING, body
9	2017811	1	O-RING, 7/8 I.D. x 1/16 W.
10	923989	2	O-RING, 1-1/8 I.D. x 1/16 W.
11	923987	1	O-RING, 1-3/8 I.D. x 1/16 W.
12	0924774-3	2	O-RING, 7/8 I.D. x 3/32 W.
13	2018315-8	1	VALVE ASSY., relief, 2000 P.S.I. (incl. O-ring) (replaces 2016346) 1 923566 O-RING, 7/8 I.D. x 3/32 W.
14	926609	2	WASHER, back-up
15	0923988-0	2	O-RING, 15/16 I.D. x 3/32 W.
16	920107	2	PLUG, port, 5/8 (incl. O-ring) 1 921205 O-RING, 3/4 I.D. x 3/32 W.
17	923566	1	O-RING, 7/8 I.D. x 3/32 W.
18	0926611-5	1	WASHER, back-up (replaces 926618)
19	2017976-8	1	BODY, lift check
20	926609	1	WASHER, back-up
21	923562	1	O-RING, 15/16 I.D. x 1/16 W.
22	2017975-0	1	POPPET, lift check
23	2017974-3	1	SPRING, lift check
24	923566	1	O-RING, 7/8 I.D. x 3/32 W.
25	2018315-8	1	VALVE ASSY., relief, 2000 P.S.I. (incl. Item 24)(replaces 2016346)

104-121

SECTION ASSY., VALVE (E)

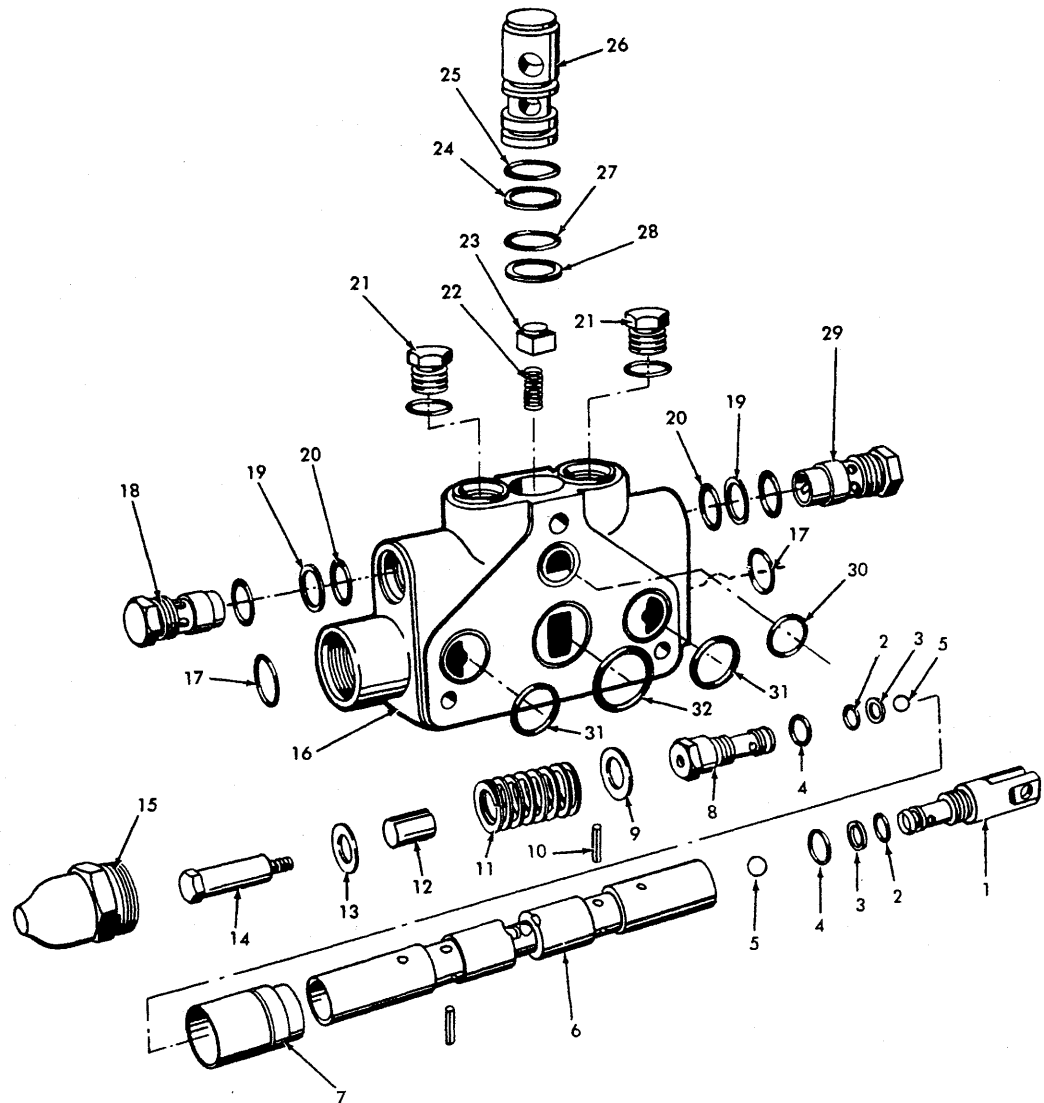


SECTION ASSY., VALVE (F)

ITEM	NUMBER	QTY.	DESCRIPTION
--	2016342	1	SECTION ASSY., hollow spool (incl. Items 1 thru 17, & 22 thru 28)
1	2017814-1	1	CLEVIS, hollow spool
2	923560	2	O-RING, 3/8 I.D. x 1/16 W.
3	2017815-8	2	WASHER, back-up
4	923565	2	O-RING, 1/2 I.D. x 3/32 W.
5	2016675-7	2	BALL, nylon
6	-----	1	SPOOL, valve (not serviced separately)
7	2016339-0	1	BUSHING, body
8	2017813-3	1	PLUG, spool
9	2014815-1	1	WASHER, spool spring
10	916014	2	PIN, roll, 3/32 x 3/4
11	2014828	1	SPRING, spool centering
12	2014816-9	1	SLEEVE, spring
13	2014817-7	1	WASHER, spool spring
14	2014826-8	1	SCREW, spool spring
15	2014813-6	1	CAP ASSY., valve spool
16	-----	1	BODY ASSY., valve (not serviced separately)
17	0924774-3	2	O-RING, 7/8 I.D. x 3/32 W.
18	244774	1	VALVE ASSY., relief, 900 P.S.I. (incl. O-ring)
	1 923566		O-RING, 7/8 I.D. x 3/32 W.
19	926609	1	WASHER, back-up
20	0923988-0	2	O-RING, 15/16 I.D. x 3/32 W.
21	920107	2	PLUG, port, 5/8 (incl. O-ring)
	1 921205		O-RING, 3/4 I.D. x 3/32 W.
22	2017974-3	1	SPRING, lift check
23	2017975-0	1	POPPET, lift check
24	923566	1	O-RING, 7/8 I.D. x 3/32 W.
25	0926611-5	1	WASHER, back-up (replaces 926618)
26	2107976-8	1	BODY, lift check
27	926609	1	WASHER, back-up
28	923562	1	O-RING, 15/16 I.D. x 3/32 W.
29	2018315-8	1	VALVE ASSY., relief, 2000 P.S.I. (incl. O-ring) (replaces 2016346)
	1 923566		O-RING, 7/8 I.D. x 3/32 W.
30	2017811	1	O-RING, 7/8 I.D. x 1/16 W.
31	923989	2	O-RING, 1-1/8 I.D. x 1/16 W.
32	923987	1	O-RING, 1-3/8 I.D. x 1/16 W.

104-122

SECTION ASSY., VALVE (F)

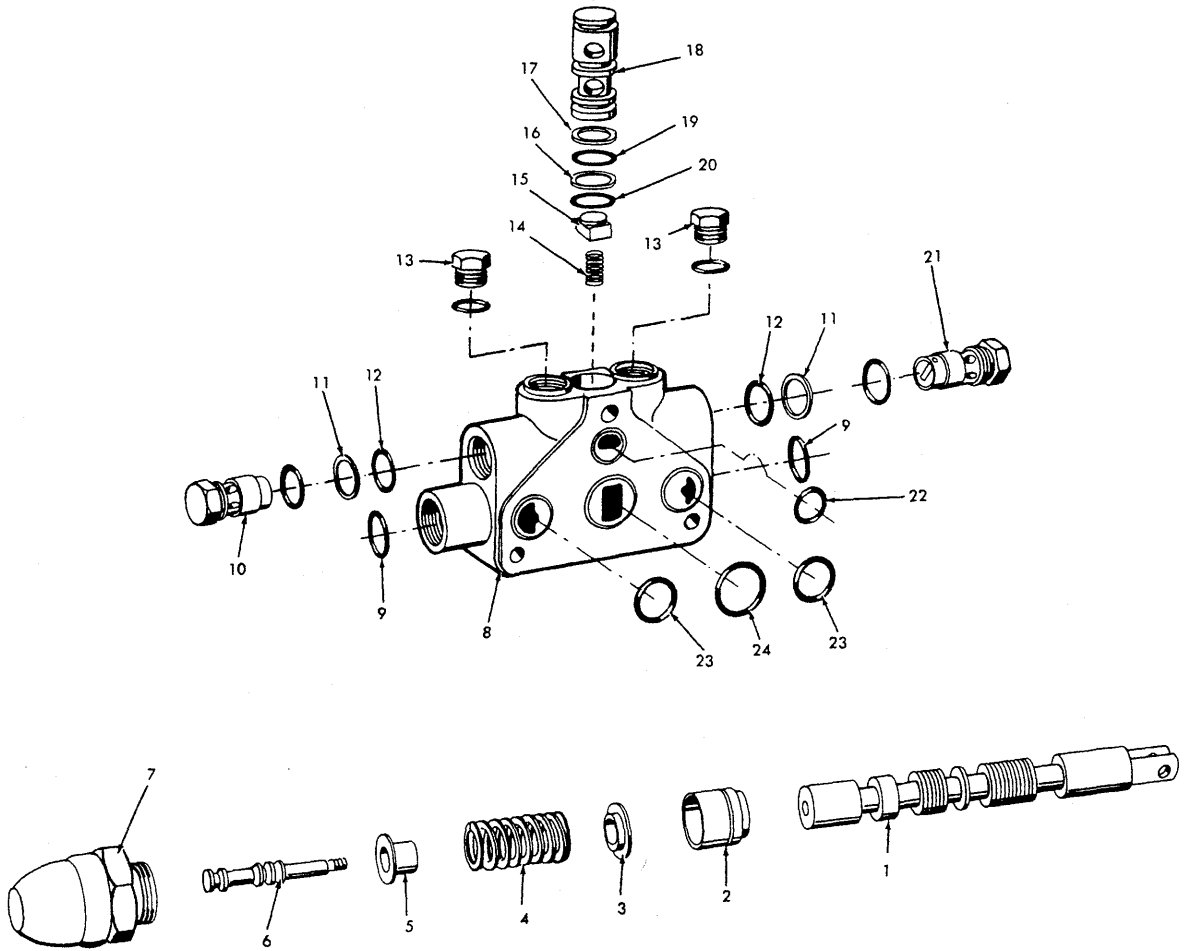


SECTION ASSY., VALVE (J)

ITEM	NUMBER	QTY.	DESCRIPTION
--	0244775-3	1	SECTION ASSY., valve (incl. Items 1 thru 9, & 14 thru 20) (replaces 248940)
1	-----	1	SPOOL, valve (not serviced separately)
2	2016339-0	1	BUSHING, body
3	2018910	1	WASHER, spool spring
4	2014828-4	1	SPRING, spool centering
5	2015543-8	1	WASHER, spool spring
6	2018909-8	1	SCREW, spool spring
	0248198-4	1	SCREW, spool spring (Raised detent type)
7	2015544-6	1	CAP ASSY., detent
8	-----	1	BODY ASSY., valve (not serviced separately)
9	0924774-3	2	O-RING, 7/8 I.D. x 3/32 W.
10	2014810-6	1	VALVE ASSY., check (incl. O-ring & roll pin)
		1	916936 PIN, roll, 5/32 x 7/8
		1	923566 O-RING, 7/8 I.D. x 3/32 W.
11	926609	2	WASHER, back-up
12	0923988-0	2	O-RING, 15/16 I.D. x 3/32 W.
13	920107	2	PLUG, work ports, 5/8 (incl. O-ring)
		1	921205 O-RING, 3/4 I.D. x 3/32 W.
14	2017974-3	1	SPRING, lift check
15	2017975-0	1	POPPET, lift check
16	926609	1	WASHER, back-up
17	0926611-5	1	WASHER, back-up (replaces 926618)
18	2017976-8	1	BODY, lift check
19	923566	1	O-RING, 7/8 I.D. x 3/32 W.
20	923562	1	O-RING, 15/16 I.D. x 1/16 W.
21	244777	1	VALVE ASSY., relief, 1750 P.S.I. (incl. O-ring)
	253265	1	VALVE ASSY., relief, 3000 P.S.I. (incl. O-ring)
		1	923566 O-RING, 7/8 I.D. x 3/32 W.
22	2017811	1	O-RING, 7/8 I.D. x 1/16 W.
23	923989	2	O-RING, 1-1/8 I.D. x 1/16 W.
24	923987	1	O-RING, 1-3/8 I.D. x 1/16 W.

104-123

SECTION ASSY., VALVE (J)



 DIVERTER HYDRAULIC GROUP
 F/I64 & I600 Backhoes

ITEM	NUMBER	QTY.	DESCRIPTION
1	921227	1	ELBOW, 90° adjustable, 1"
2	924026	1	ELBOW, 90° adjustable, 1 x 1-1/16
3	248686	1	HOSE ASSY., return (1 wire) 24"
4	248685-0	1	HOSE ASSY., pressure (2 wire) 21"
5	248682	1	COUPLING, quick connect female
6	0248684-3	1	COUPLING, quick connect male
7	-----	1	VALVE, diverter (see Diverter Valve Group for components)
		2	923141 CAPSCREW, 5/16NC x 2-3/4
		2	917372 NUT, 5/16NC
		2	917356 WASHER, lock, med., 5/16
8	248694	1	TUBE ASSY., pressure, pump
9	248695	1	TUBE ASSY., pressure, valve
10	248696	1	TUBE ASSY., return, valve
11	248688	1	BRACKET, valve mounting
12	0248700-7	2	SPACER
		2	921934 BOLT, carriage, 3/8NC x 2-1/2
13	0248683-5	1	ELBOW, adjustable
		1	907859 PLUG, socket hd., 1/4

 ASSEMBLIES & PACKAGES

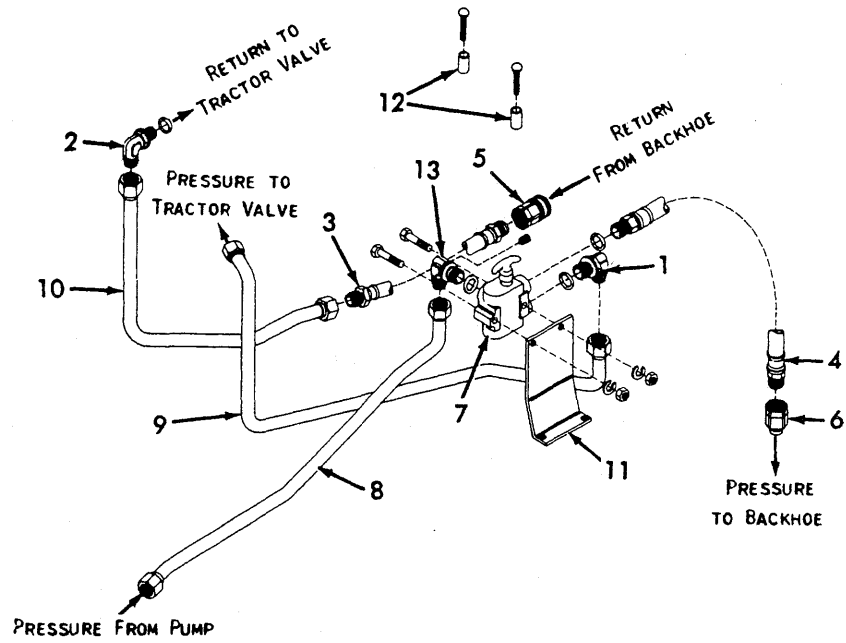
--	251614	1	SEAL KIT, 3/4 coupling
--	251609	1	SEAL KIT, 1 coupling

 DIVERTER VALVE
 F/I64 & I600 Backhoes

ITEM	NUMBER	QTY.	DESCRIPTION
--	0248698-3	1	VALVE diverter (incl. Items 1 thru 10)
1	2018584-9	1	VALVE ASSY., relief (incl. O-ring) (replaces 248748)
		1	923566 O-RING, 3/32 x 7/8
2	0926609-9	1	WASHER, back-up (replaces 244784)
3	0923988-0	1	O-RING, 3/32 x 15/16
4	-----	1	BODY (not serviced)
5	2018583-1	1	PLUG ASSY., spool detent (incl. washer) (replaces 248810)
		1	923663 O-RING, 3/32 x 3/8
6	2018582-3	1	HANDLE, spool (replaces 248811)
		1	916001 PIN, roll
7	-----	1	SPOOL (not serviced)
8	0926611-5	2	WASHER, back-up (replaces 244754)
9	923566	2	O-RING, 3/32 x 7/8
10	0248809-6	1	RING, snap
--	248747	1	KIT, seal repair (incl. Items 2, 3, 8, 9 & 923566 & 923663)

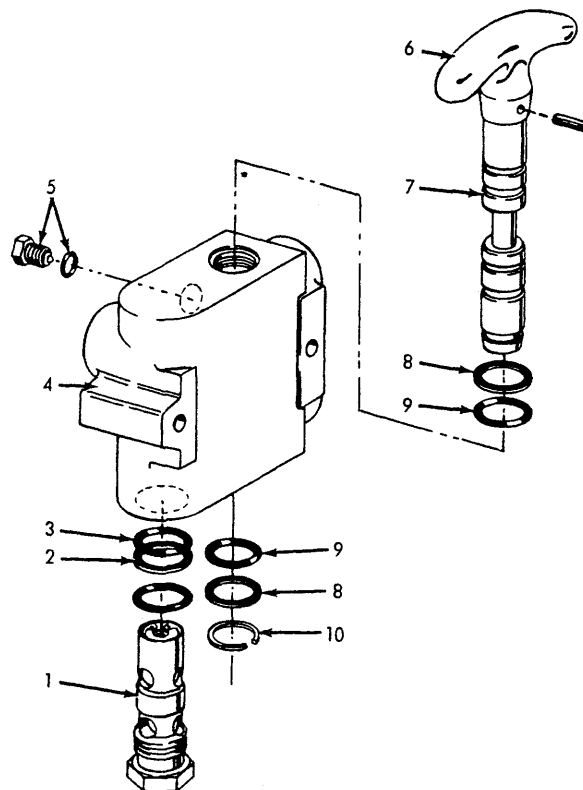
104-124

DIVERter HYDRAULIC GROUP
F/I64 & I600 Backhoes



104-125

DIVERter VALVE
F/I64 & I600 Backhoes



DRAWBAR

ITEM	NUMBER	QTY.	DESCRIPTION
1	0245486-6	1	DRAWBAR ASSY.
2	0245483-3	1	PIN, drawbar
		1	912430 PIN, cotter, 5/32 x 2
3	0247296-7	1	BRACE
		2	924739 CAPSCREW, 3/4NC x 2-3/4
		4	919332 WASHER, lock, 3/4
4	0245489-0	1	SUPPORT ASSY.
		6	925872 CAPSCREW, 3/4NC x 2-1/4
		4	919332 WASHER, lock, 3/4
		2	923162 BOLT, sq.-nk., 5/8NC x 2-1/2
		2	917373 WASHER, lock, 5/8
		2	915726 NUT, 5/8NC
5	245481	1	CLEVIS
6	231697	1	PIN
		1	918463 PIN, cotter, 1/4 x 2
		*	922095 WASHER
7	245485	1	BAR
		2	926103 BOLT, rd.-hd., 5/8NC x 5-1/2
		2	917373 WASHER, lock, 5/8
		2	915726 NUT, 5/8NC

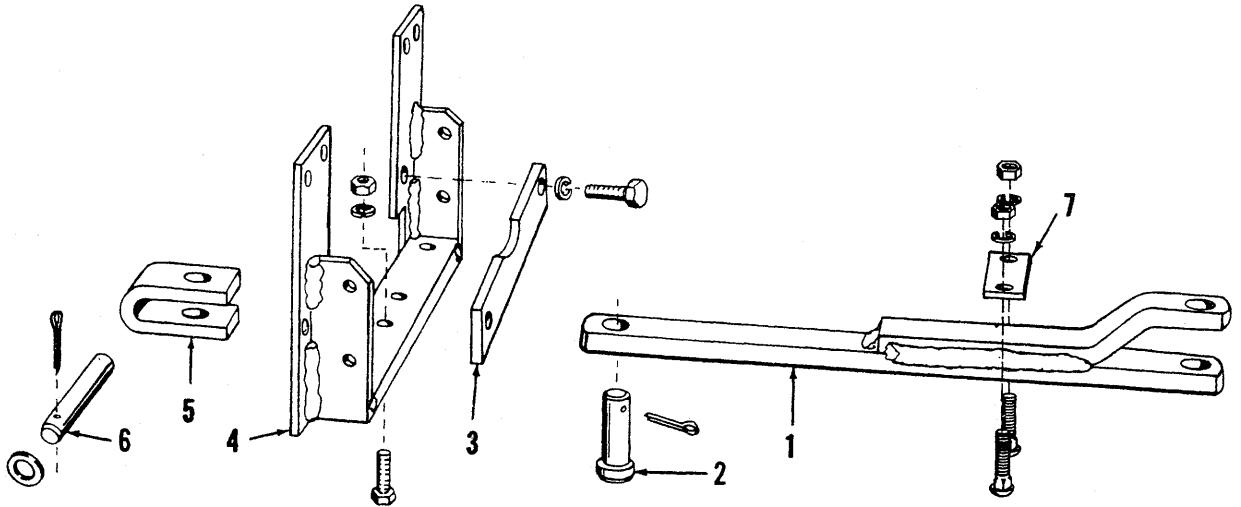
* Use as required

LIFTARM HYDRAULIC RAM
3 Point Hitch

ITEM	NUMBER	QTY.	DESCRIPTION
--	248100	1	RAM ASSY., lift arm (incl. Items 1 thru 11)
1	924270	1	O-RING
2	252674	1	PISTON, cylinder
3	242676	1	PACKING, v-ring
4	242675	2	WEAR STRIP, piston
5	252677	1	NUT, retainer, piston
6	-----	1	CYLINDER ASSY., ram
7	242673	1	ROD ASSY., piston
8	252678	1	BEARING, rod
9	252679	1	NUT, retainer
10	237415	1	SEAL, wiper
11	240188	1	BREATHER, ram

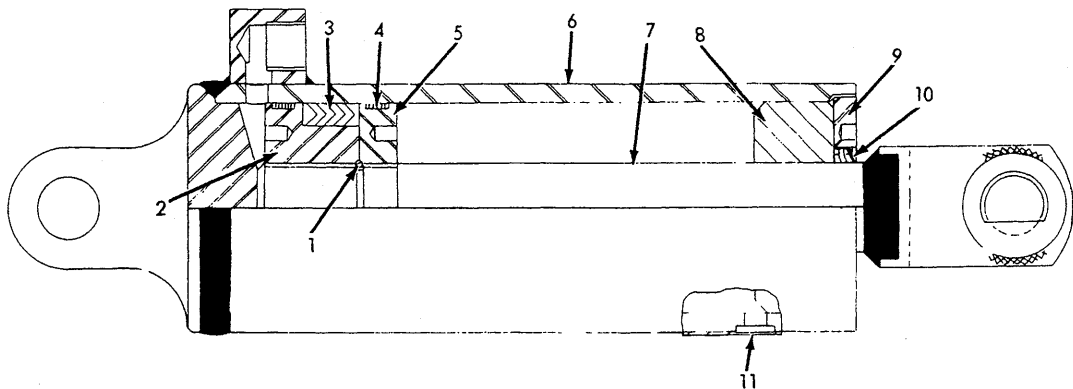
104-126

DRAWBAR



104-127

LIFT ARM HYDRAULIC RAM
3 Point Hitch



LIFT LINKS & BEAMING TUBE
F/3 Point Linkage

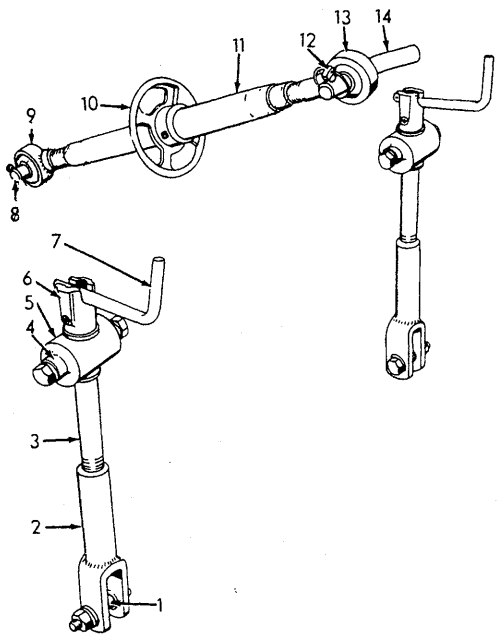
ITEM	NUMBER	QTY.	DESCRIPTION
1	336211	4	BUSHING, tube assy.
		2	924743 CAPSCREW, 3/4NC x 3-3/4, Gr. 5
		1	913160 NUT, 3/4NC
		1	919332 WASHER, lock, 3/4
		1	912472 WASHER, plain, 25/32 x 1-3/4 x #10
2	335903	2	TUBE ASSY., winging
3	336025	2	SCREW, winging
		2	915783 WASHER, plain, 1-1/32 x 1-3/4 x 1/4
4	247679	4	BUSHING, yoke assy.
		1	926127 CAPSCREW, 3/4NC x 1-3/4, Gr. 5
		1	919332 WASHER, lock, 3/4
5	340818	2	TRUNNION (supersedes 339419)
6	321860	2	COLLAR, crank
		1	921262 PIN, groove, 1/2 x 1-1/2
7	320343	2	HANDLE, crank
		1	917977 PIN, roll, 1/4 x 1-3/16
8	336202	1	PIN, link
		2	922002 PIN, cotter, 3/16 x 1-3/4
9	336239	1	SOCKET ASSY., L.H. thd.
10	245438	1	WHEEL, hand
		1	918416 PIN, roll, 3/8 x 2-1/2
11	246621	1	TUBE, beaming
12	332328	1	PIN, quick-hitch
13	336240	1	SOCKET ASSY., R.H. thd.
14	345552	1	PIN, beaming (supersedes 334362)

LIFT BARS
F/3 Point Linkage

ITEM	NUMBER	QTY.	DESCRIPTION
1	335925	2	BAR ASSY., lift
2	335912	2	PIN, pivot
3	247044	2	ANCHOR, bar assy.
		2	924763 CAPSCREW, 3/4NC x 3-1/2, Gr. 5
		2	919332 WASHER, lock, 3/4
		2	913160 NUT, 3/4NC
4	336222	1	CHAIN, swag
5	225152	2	PIN, quick-hitch
6	328673	1	SLEEVE, bushing
7	915831	3	SPACER
		1	924763 CAPSCREW, 3/4NC x 3-1/2, Gr. 5
		1	913160 NUT, 3/4NC
		1	919332 WASHER, lock, 3/4
		1	912472 WASHER, plain, 25/32 x 1-3/4 x #10

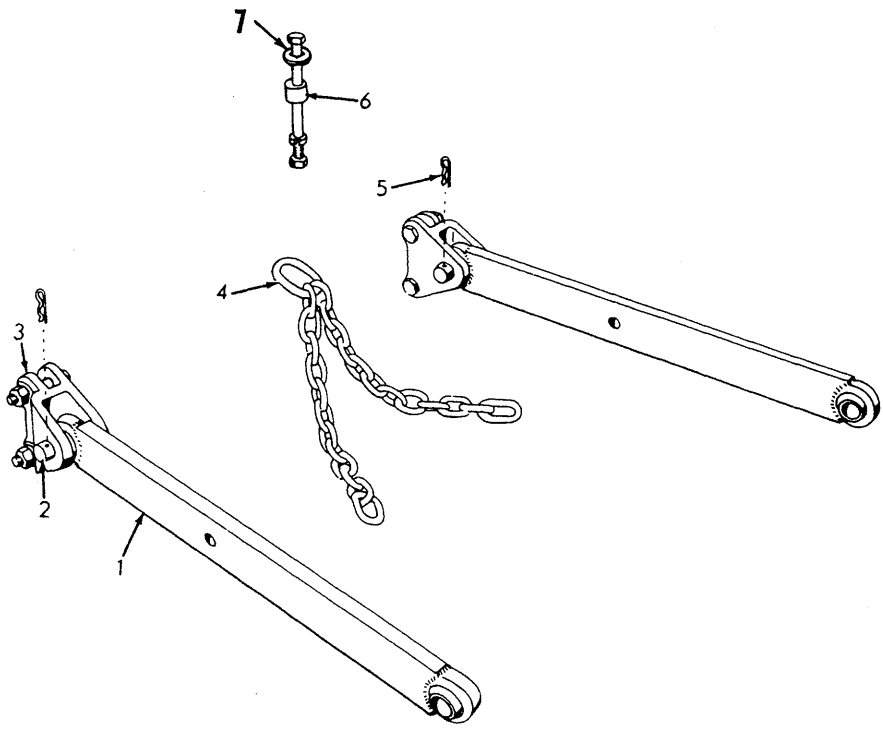
104-128

LIFT LINKS & BEAMING TUBE
F/3 Point Linkage



104-129

LIFT BARS
F/3 Point Linkage



LIFT SHAFT & SUPPORTS F/3 Point Linkage

ITEM	NUMBER	QTY.	DESCRIPTION
1	245419	1	BRACKET ASSY., L.H. (incl. Bushing)
		2	924739 CAPSCREW, 3/4NC x 2-3/4
		2	919332 WASHER, lock, 3/4
2	245429	1	ANCHOR ASSY., upper
		2	923292 CAPSCREW, 3/4NC x 2
3	245418	1	BRACKET ASSY., R.H. (incl. Bushing)
		2	924739 CAPSCREW, 3/4NC x 2-3/4
		2	919332 WASHER, lock, 3/4
4	240209	2	RING, snap
5	248261	2	ARM ASSY., lift
6	245432	2	YOKE ASSY., lift
		1	225137 RING, snap
		1	916956 WASHER
		1	247045 SPACER
7	240212	1	PIN, ram
		1	922002 PIN, cotter, 3/16 x 2
8	245427	1	SHAFT ASSY., lift
	240303	2	BUSHING, shaft assy.
		4	915248 WASHER, plain
--	240203	*2	**WASHER, lift arm
--	240211	1	**PIN, ram (anchor)
		1	900811 PIN, cotter, 3/16 x 1-1/2
--	245440	1	**HOSE ASSY., to ram
		1	921325 ELBOW, swivel, 5/8
		1	921965 CAPSCREW, 3/8NC x 3/4
		1	924054 CONNECTOR, long
--	245313	1	**CLAMP (used with 245440)

* Use as required

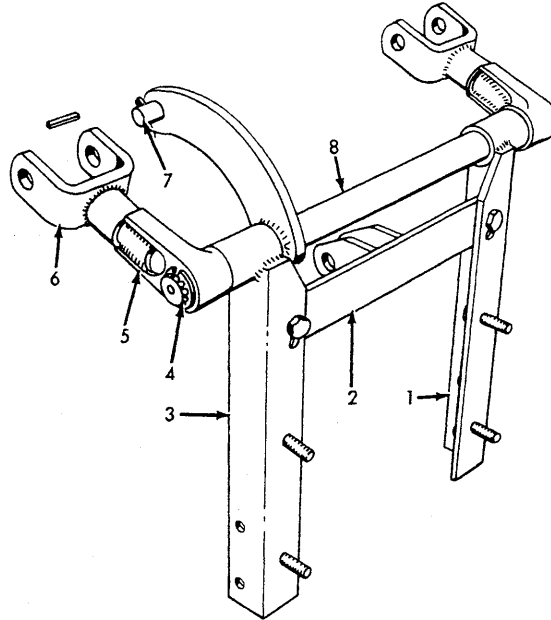
** Not shown

PULL HOOK

ITEM	NUMBER	QTY.	DESCRIPTION
-	0286913-9	1	KIT, pull hook
1	0050543-8	1	HOOK, pull (replaces 235528)
		4	0245669-7 CAPSCREW, 3/4NC x 2-1/4 x 16, Gr. 5
		4	0919332-7 WASHER, lock, 3/4
2	0924149-8	1	PLATE, front hook support

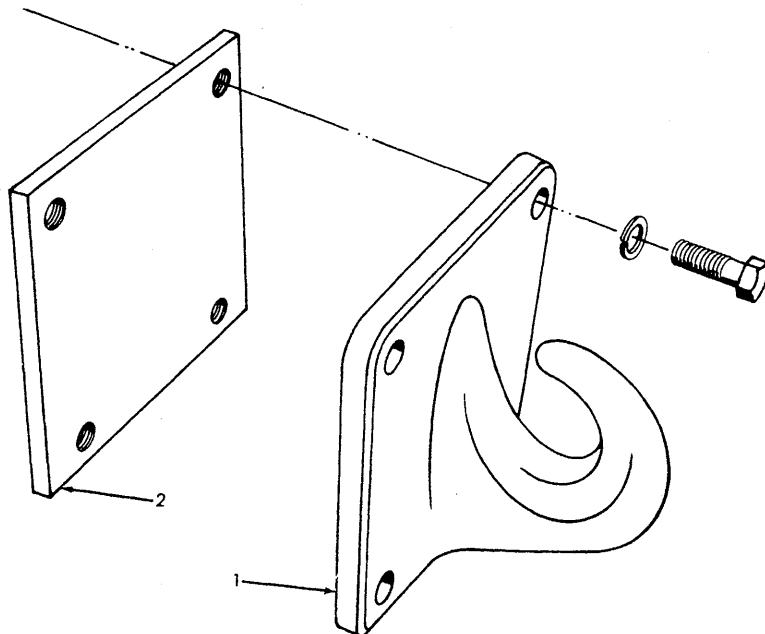
104-130

LIFT SHAFT & SUPPORTS
F/3 Point Linkage



104-131

PULL HOOK



REAR BOTTOM PAN

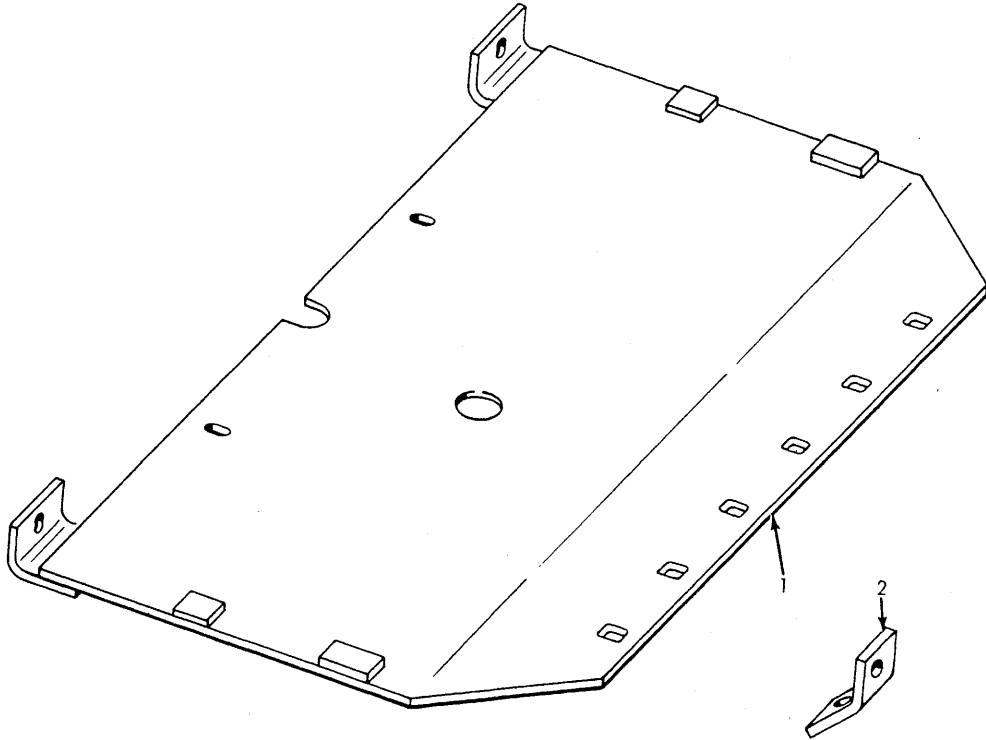
ITEM	NUMBER	QTY.	DESCRIPTION
1	245872	1	PAN ASSY., bottom (used w/o winch)
		2	921176 CAPSCREW, 1/2NC x 1-1/4
		2	910210 WASHER, lock, ext-tooth, 1/2
		2	923113 CAPSCREW, 5/8NC x 1
		2	910543 WASHER, lock, ext-tooth, 5/8
		2	912101 BOLT, sq.-nk., 5/8NC x 3
		2	917373 WASHER, lock, med., 5/8
		2	915726 NUT, 5/8NC
	246908	1	PAN ASSY., bottom (used w/winch)
		2	921176 CAPSCREW, 1/2NC x 1-1/4
		2	910210 WASHER, lock, ext-tooth, 1/2
		2	923113 CAPSCREW, 5/8NC x 1
		2	910543 WASHER, lock, ext-tooth, 5/8
2	246909	1	BRACKET, L. H. (used w/winch only)
	246910	1	BRACKET, R. H. (used w/winch only)
		2	921463 BOLT, sq.-nk., 5/8NC x 1-3/4, pltd.
		2	917373 WASHER, lock, med., 5/8
		2	915726 NUT, 5/8NC
		2	925602 CAPSCREW, 3/4NC x 3-1/4

ROCK & BOTTOM PAN GUARDS

ITEM	NUMBER	QTY.	DESCRIPTION
1	234362	2	GUARD ASSY., idler, L. H.
	234366	2	GUARD ASSY., idler, R. H.
		2	921176 CAPSCREW, 1/2NC x 1-1/4, Gr. 5
		2	916966 WASHER, lock, 1/2
		2	913432 WASHER, 17/32 x 1-1/4 x #11
2	234374	2	GUARD, front, L. H., idler
	234375	2	GUARD, front, R. H., idler
		2	923114 CAPSCREW, 1/2NC x 7/8
		2	916966 WASHER, lock, 1/2
3	236698	10	SPACER, guards
		1	910800 BOLT, 5/8NC x 8-1/2
		1	917373 WASHER, lock, 5/8
		1	915726 NUT, 5/8NC
		2	911385 WASHER, 11/16 x 1-1/2 x #10
4	252489	2	GUARD, truck frame, L. H., long track
	252490	2	GUARD, truck frame, R. H., long track
		8	913105 CAPSCREW, 1/2NF x 1-1/2, Gr. 5
		8	916966 WASHER, lock, 1/2
5	252487	2	CLOSURE ASSY., L. H., rear
	252488-2	2	CLOSURE ASSY., R. H., rear
		2	923151 CAPSCREW, 5/8NC x 1-1/4, Gr. 5
		2	917373 WASHER, lock, 5/8
		2	911385 WASHER, plain, 11/16 x 1-1/2 x #10
6	233746	8	BLOCK, tapping
		1	913105 CAPSCREW, 1/2NF x 1-1/2, Gr. 5
		1	916966 WASHER, lock, 1/2

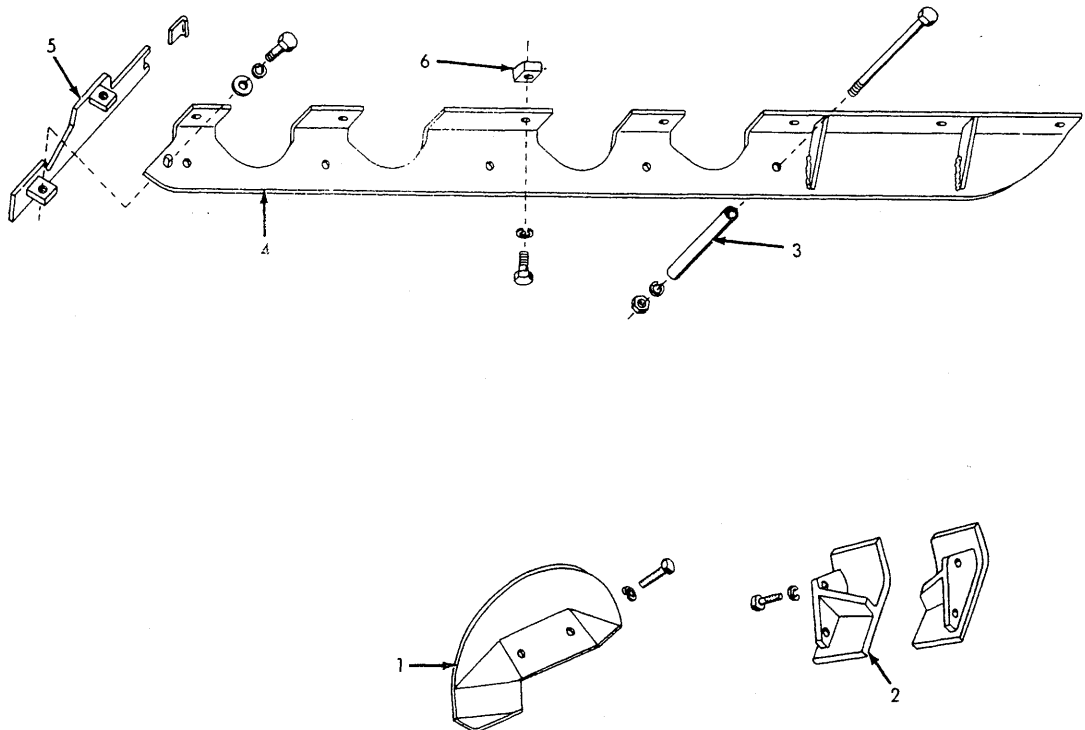
104-132

REAR BOTTOM PAN



104-133

ROCK & BOTTOM PAN GUARDS



HEAD LAMPS

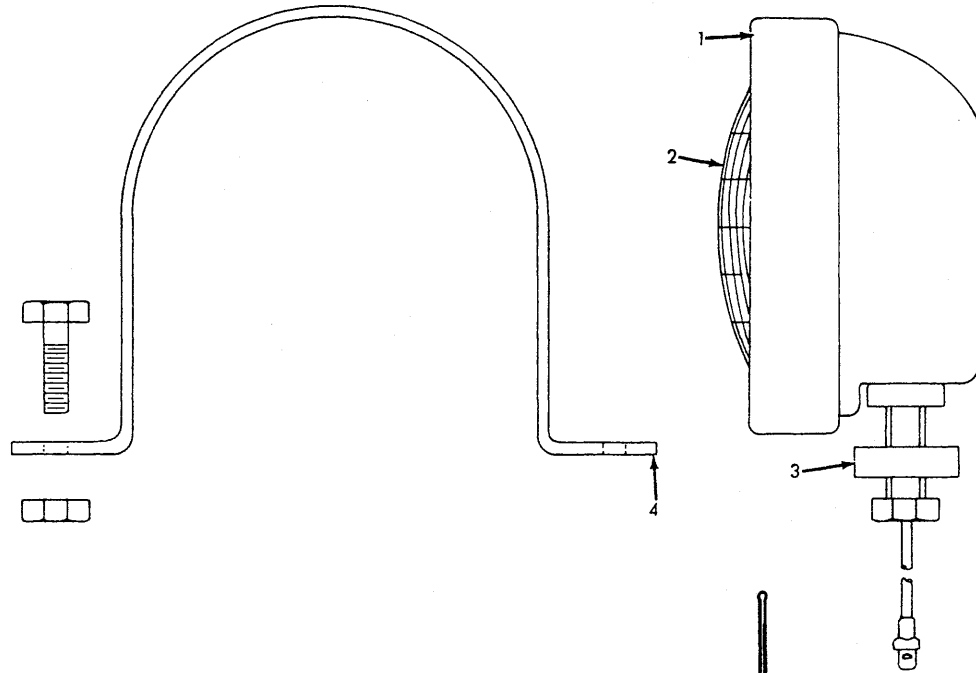
ITEM	NUMBER	QTY.	DESCRIPTION
--	0246126-7	2	LAMP ASSY., head (incl. Items 1 & 2)
		1	916899 NUT, lock, 1/2NC
1	621821	2	RETAINER, sealed unit
2	230232	2	UNIT ASSY., sealed
3	335249	2	SPACER
4	0245824-8	2	GUARD, lamp
		4	921210 CAPSCREW, 3/8NC x 1
		4	916954 NUT, pltd., 3/8NC
5	245823	1	WIRE ASSY., head lamps (not shown)
		4	0924292-6 GROMMET

RADIO

ITEM	NUMBER	QTY.	DESCRIPTION
--	249523	1	RADIO KIT, (incl. radio, antenna, mounting brackets, and all necessary hardware & electrical noise suppression equipment)
--	249524	1	KIT, 2nd vehicle (incl. all parts necessary to mount Item 1 on a 2nd vehicle)
--	249525	1	CAB MOUNTING KIT, (to mount antenna only on vehicle cab)

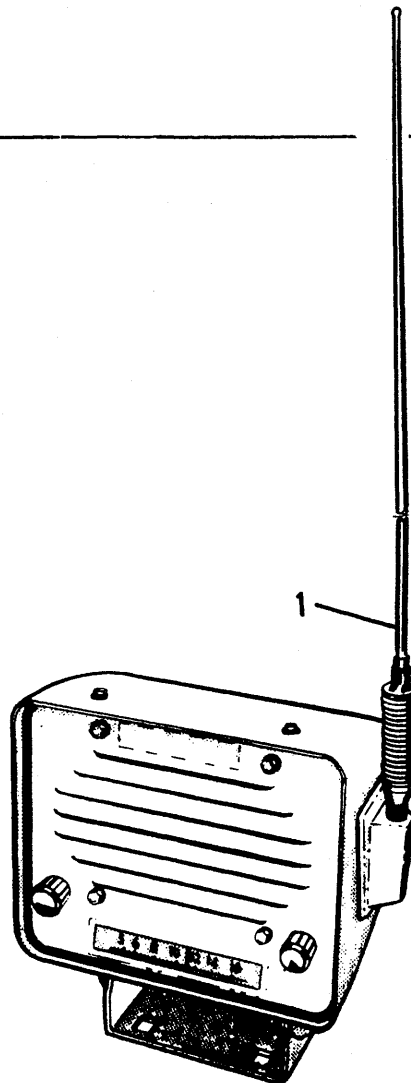
104-134

HEAD LAMPS



104-135

RADIO



UNIVERSAL CARRIER W/TIE BRACES Dozer

ITEM	NUMBER	QTY.		DESCRIPTION
		*	**	
1	245058	1	1	BRACKET, carrier
2	926168	6	6	CAPSCREW, 3/4NC pltd. x 2-1/2, Gr. 8 1 919332 WASHER, lock, 3/4 pltd.
3	924883	2	2	CAPSCREW, 3/4NC pltd. x 3, Gr. 8 1 919332 WASHER, lock, 3/4 pltd.
4	253138	-	2	SPACER
5	253136	*	*	WASHER (*Use as required)
6	249617	1	-	BRACE, tie, L.H.
	1003357-9	-	1	BRACE, tie (replaces 253135) 1 0922659-8 NUT, 1"NC, pltd. 1 0922020-3 WASHER, lock, 1", pltd.
7	249618	1	-	BRACE, tie, R.H.
	1003357-9	-	1	BRACE, tie (replaces 253135) 1 0922659-8 NUT, 1"NC, pltd. 1 0922020-3 WASHER, lock, 1", pltd.
8	0253137-4	-	2	SPACER
	409760	2	-	PIN
9	926575	-	2	CAPSCREW, 1-1/4NC x 5, Gr. 2 1 913974 NUT, 1-1/4NC 1 904210 WASHER, lock, 1-1/4
	923114	2	-	CAPSCREW, 1/2NC, pltd. x 1, Gr. 5 1 916966 WASHER, lock, 1/2

*H-4

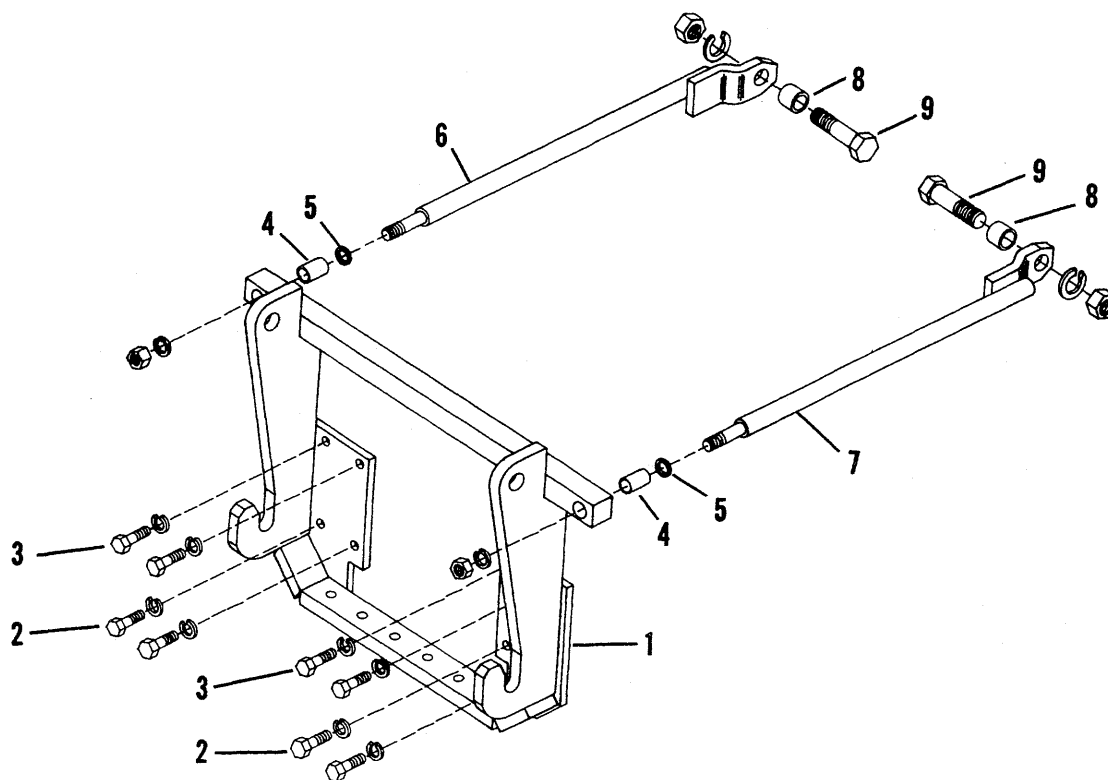
**493 & 4100

UNIVERSAL CARRIER W/TIE BRACES Loader

ITEM	NUMBER	QTY.		DESCRIPTION
1	0245058-3	1		BRACKET, carrier
2	926168	6		CAPSCREW, 3/4NC, pltd. x 2-1/2, Gr. 8 1 919332 WASHER, lock, 3/4, pltd.
3	924883	2		CAPSCREW, 3/4NC, pltd. x 3, Gr. 8 1 919332 WASHER, lock, 3/4, pltd.
4	253138	2		SPACER
5	253136	*		WASHER (*Use as required)
6	245121	1		BRACE, tie, L.H.
	253281	1		BRACE, tie, L.H. 1 0922659-8 NUT, 1"NC, pltd. 1 0922020-3 WASHER, lock, 1", pltd.
7	245122	1		BRACE, tie, R.H.
	253282	1		BRACE, tie, R.H. 1 0922659-8 NUT, 1"NC, pltd. 1 0922020-3 WASHER, lock, 1", pltd.
8	0245126-8	2		PIN, loader 1 918463 PIN, cotter, 1/4 x 2, pltd. 1 914465 FITTING, grease

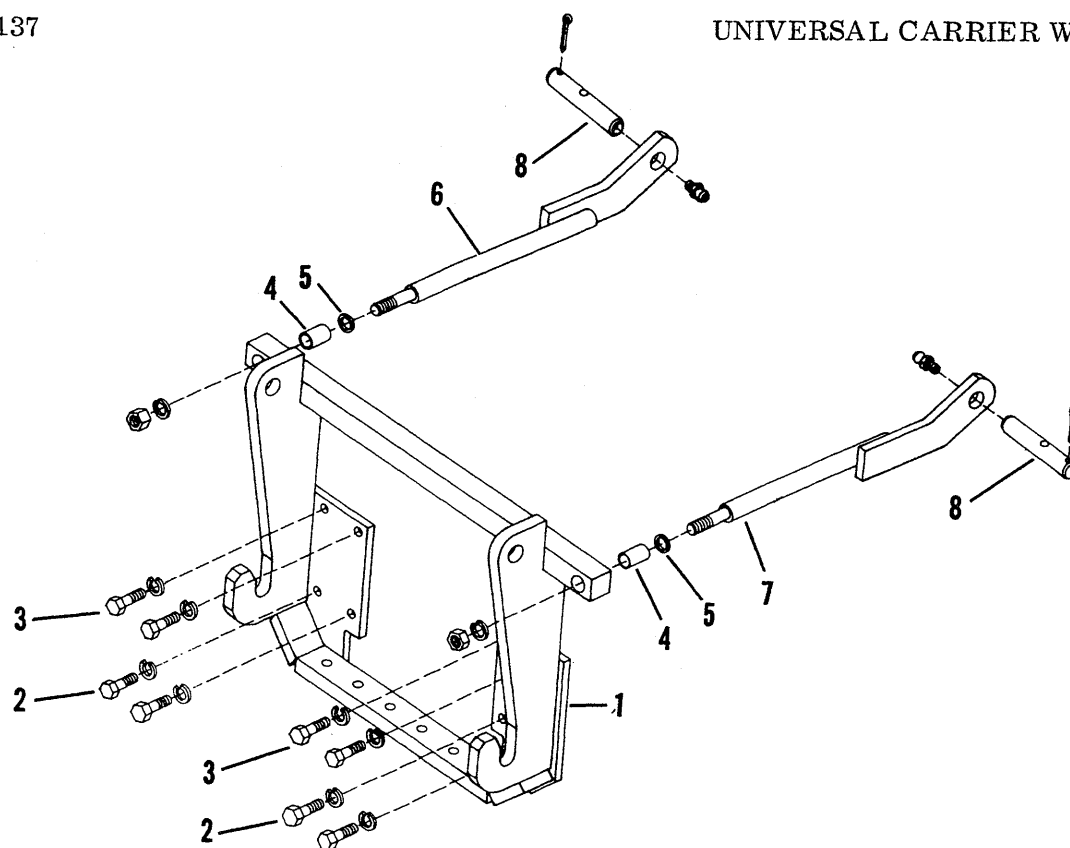
104-136

UNIVERSAL CARRIER W/TIE BRACES
Dozer



104-137

UNIVERSAL CARRIER W/TIE BRACES
Loader



WEIGHT CARRIER GROUP
W/Universal Carrier

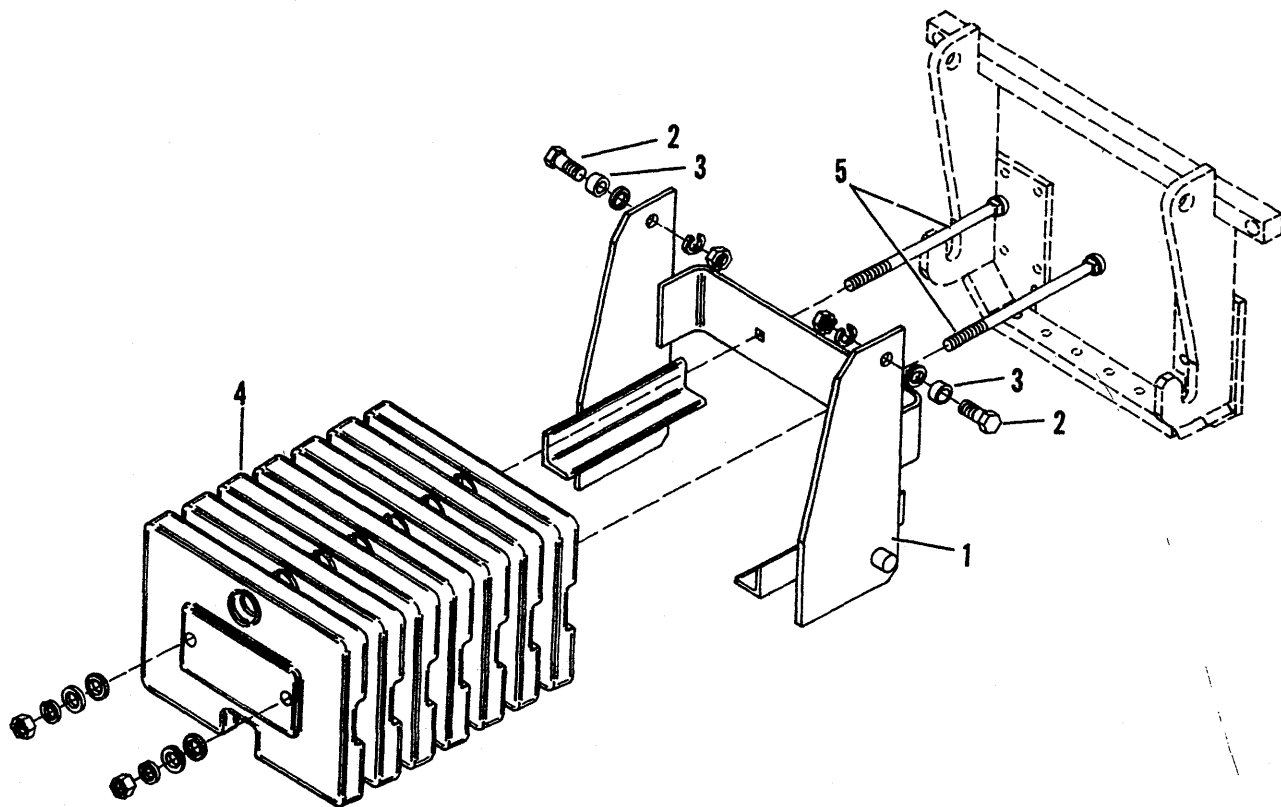
ITEM	NUMBER	QTY.	DESCRIPTION
1	0245063-3	1	CARRIER ASSY.
2	923152	2	CAPSCREW, 1"NC, pltd. x 2-3/4, Gr. 5
		1	0922020 3 WASHER, lock, 1"
		1	922190 WASHER, #10 ga.
		1	0922659-8 NUT, 1"NC
3	0245132-0	2	SPACER
4	245129	7	WEIGHT
5	924097	2	BOLT, rd. hd., 5/8NC, pltd. x 16-1/2
		2	923350 WASHER, #10 ga.
		1	917373 WASHER, lock, 5/8
		1	915726 NUT, 5/8NC

WEIGHT BRACKET GROUP

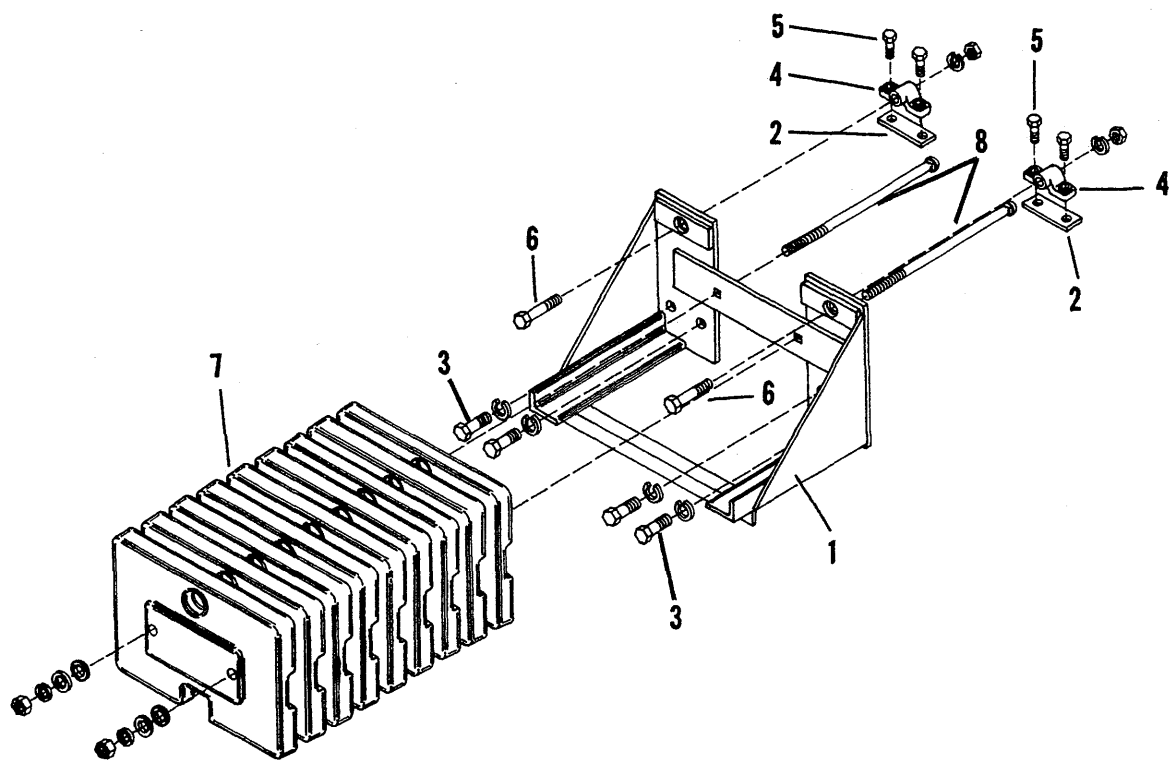
ITEM	NUMBER	QTY.	DESCRIPTION
1	0245081-5	1	BRACKET ASSY.
2	245643	2	SPACER
3	924739	4	CAPSCREW, 3/4NC, pltd. x 2-3/4, Gr. 5
		1	919332 WASHER, lock, 3/4, pltd.
4	0245644-0	2	BRACKET
5	923881	4	CAPSCREW, 5/8NC, pltd. x 2, Gr. 8
6	925387	2	CAPSCREW, 3/4NC, pltd. x 4, Gr. 8
		1	919332 WASHER, lock, 3/4, pltd.
		1	913160 NUT, 3/4NC, pltd.
7	245129	9	WEIGHT
8	924165	2	BOLT, 5/8NC, pltd. x 20", Gr. 2
		2	923350 WASHER, #10 ga.
		1	917373 WASHER, lock, 5/8
		1	915726 NUT, 5/8NC

104-108

WEIGHT CARRIER GROUP W/Universal Carrier



WEIGHT BRACKET GROUP



ASSEMBLIES & PACKAGE PARTS

NUMBER	DESCRIPTION		
245413	TRANSFER SET, H-4		
	1	228892	TRANSFER, patent
	1	235896	TRANSFER, air cleaner
	1	245777	TRANSFER, control pattern
	2	245790	TRANSFER, H-4
	3	245796	TRANSFER, Allis-Chalmers
	1	246339	TRANSFER, service instructions
	1	247622	TRANSFER, radiator cap
	1	249677	TRANSFER, caution, shuttle clutch
	1	924243	TRANSFER, A-C Trademark
	1	924276	TRANSFER, trademark
245414	TRANSFER SET, HD-4		
	1	228892	TRANSFER, patent
	1	235896	TRANSFER, air cleaner
	1	245777	TRANSFER, control pattern
	2	245791	TRANSFER, HD-4
	3	245796	TRANSFER, Allis-Chalmers
	1	246339	TRANSFER, service instructions
	1	247622	TRANSFER, radiator cap
	1	249677	TRANSFER, caution, shuttle clutch
	1	924243	TRANSFER, A-C Trademark
	1	924276	TRANSFER, trademark
246931	BOLT KIT		
	12	-----	CAPSCREW
	12	-----	NUTS
247251	PINION SHAFT & RING GEAR SET		
	1	-----	SHAFT, pinion
	1	-----	GEAR, ring
248490	BOLT KIT (differential ring gear)		
	12	248489	CAPSCREW
	12	915652	NUT, hug-lock, light, thick
248747	SEAL REPAIR KIT (selector valve I64 Backhoe)		
	2	244754	WASHER, back-up
	1	244784	WASHER, back-up
	3	923566	O-RING
	1	923663	O-RING
	1	0923988-0	O-RING
249282	PIN SET, track		
	2	043593	SPACER
	35	044129	BUSHING
	1	044130	PIN, master
	1	044131	BUSHING, master
	35	044132	PIN, track

(Continued)

NUMBER	DESCRIPTION	ASSEMBLIES & PACKAGE PARTS (Continued)	
251609	COUPLING SEAL KIT, 1"		
	1 251605 RING, seal		
	2 251606 O-RING		
	1 251607 RING, back-up		
	1 251608 O-RING		
251614	COUPLING SEAL KIT, 3/4"		
	1 251610 RING, seal		
	2 251611 O-RING		
	1 251612 RING, back-up		
	2 251613 O-RING		
251822	LINING KIT, brake		
	7 250309 LINING, brake		
	28 911097 RIVETS, brass		
254010	ADHESIVE SEAL KIT		
	1 253056 PRIMER, lacquic, Gr. T		
	1 254624 ADHESIVE, loctite, impact		
288593	FILTER KIT, H-4		
	1 237395 FILTER, air		
	1 246085 FILTER, oil - hydraulic		
	1 247329 FILTER, oil - hydraulic		
	5 4513411 FILTER, oil - engine		
1003585-5	FILTER KIT, HD-4		
	1 237395 FILTER, air		
	3 246085 FILTER, oil - hydraulic		
	3 247329 FILTER, oil - hydraulic		
	3 4025230 FILTER, fuel		
	7 4513411 FILTER, oil - engine		
0289157-0	KIT, pusher fan		
	1 0250218-5 BLADE		
	1 0250219-3 BAFFLE		
	4 0921355-4 NUT		
	4 0920787-9 CAPSCREW		
	4 0917356-8 WASHER		
	4 0919326-9 WASHER		
4023713-3	GASKET KIT, intermediate (diesel)		
	1 226012 GASKET, drain plug		
	1 923816 O-RING, injection pump adaptor		
	1 923817 O-RING, hydraulic pump drive		
	1 923822 O-RING, water pump mounting		
	1 923684 O-RING, water pump volute		
	1 4020016 O-RING, rear plate		
	1 4020098 GASKET, plate to block		
	1 4023567-3 GASKET, gear cover (replaces 4020100)		
	1 4020104 GASKET, inspection plate		
	1 4020879 O-RING, rear plate		
	1 4025019 GASKET, fuel pump cover		
	1 4025021 GASKET, filler elbow		
	1 4025106 GASKET, water inlet pipe		
	1 4025120 GASKET, filter base		
	2 4026549 GASKET, hydraulic pump cover		

ASSEMBLIES & PACKAGE PARTS

(Continued)

NUMBER	DESCRIPTION
4023220-9	GASKET KIT, intermediate (gasoline) (replaces 4021635)
1	226012 GASKET, drain plug, oil pan
1	923817 O-RING, hydraulic drive housing
1	923822 O-RING, water pump mounting
1	923684 O-RING, water pump volute
1	4020016 O-RING, rear plate
1	4020195 GASKET, front plate
1	4020197 GASKET, front cover
1	4020367 GASKET, governor cover
1	0923563-1 O-RING, distributor (replaces 4020795)
1	4020879 O-RING, rear plate
1	4025019 GASKET, fuel pump
1	4025021 GASKET, oil filler
1	4025106 GASKET, inlet pipe
1	4025120 GASKET, filter base
2	4026549 GASKET, hydraulic pump cover
1	4641266 GASKET, carburetor
1	0226012-3 PLUG, drain
4022318	SLEEVE KIT, cylinder (incl. piston f/one cylinder) (gasoline)
1	4023827-1 O-RING, sleeve
1	4020032 O-RING, sleeve
1	4020739 PIN, piston
1	4021796 RING SET, piston
1	4022313 PISTON
1	4023099 SLEEVE, cylinder
2	4253059 RETAINER, piston pin
4021850-5	GASKET KIT, cylinder head (diesel) (Incls. S/N 2D-22869 & Up)
4022947	GASKET KIT, cylinder head (diesel)
2	4020090 GASKET, exhaust manifold
1	4020256 GASKET, cylinder head cover
1	4020309 GASKET, thermostat housing
1	4021339 GASKET, intake manifold
1	4021825-7 GASKET, cylinder (Incl. S/N 2D-22869 & Up)
1	4022897 GASKET, cylinder
2	4025101 GASKET, outlet flange
4	4025150 GASKET, injection nozzle
8	4025385 SHIELD, dust
4021851-3	GASKET KIT, cylinder head (gasoline) (Incls. S/N 2G-09490)
4022948-6	GASKET KIT, cylinder head (gasoline)
1	4020191 GASKET, exhaust manifold
1	4020192 GASKET, intake manifold
1	4020309 GASKET, thermostat housing
1	4020317 GASKET, cylinder head cover
1	4021825-7 GASKET, cylinder head (Incls. S/N 2G-09490)
1	4022897 GASKET, cylinder head
1	4025101 GASKET, outlet flange
4022979	SLEEVE KIT, cylinder (incl. piston f/one cylinder) (diesel)
1	4023827-1 O-RING, sleeve
2	4020032 O-RING, sleeve
1	4020739 PIN, piston
1	4021796 RING SET, piston
1	4023926-1 PISTON (replaces 4022958)
1	4023099 SLEEVE, cylinder
2	4253059 RETAINER, piston pin

ASSEMBLIES & PACKAGE PARTS

(Continued)

NUMBER	DESCRIPTION	
4025921	REPAIR KIT, water pump	
	1	----- SHAFT & BEARING ASSY.
	1	923822 O-RING, pump to volute
	1	4025067 IMPELLER ASSY.
	1	4025710 SEAL ASSY., water pump
	1	4254594 RING, snap
4054026	GASKET KIT, carburetor (gasoline)	
	1	4046667 WASHER, jet discharge
	2	4046669 WASHER, jet & fuel valve seat
	1	4046670 WASHER, jet
	1	4054016 GASKET, body to bowl
4056411	REPAIR KIT, carburetor (gasoline)	
	1	4046614 GASKET, flange
	1	4046667 WASHER, jet discharge
	1	4046669 WASHER, jet
	1	4046670 WASHER, jet
	1	4047982 AXLE, float
	1	4051325 SEAL, throttle shaft
	1	4051326 WASHER, throttle shaft
	1	4054013 NEEDLE, idle
	1	4054016 GASKET, body to bowl
	1	4058914 VALVE & SEAT ASSY.
4058971	REPAIR KIT, fuel pump (gasoline)	
	1	----- PLUG, seal, cam lever shaft
	1	----- SCREEN, strainer
	1	----- SPRING, pin
	1	----- AIRDOME, diaphragm outlet
	1	4056500 GASKET, mounting
	1	4058967 DIAPHRAGM ASSY.
4059276	GASKET KIT, fuel injection pump	
	2	4369595 SEAL, head locating screw
	2	4048604 GASKET, timing line cover
	3	4369878 SEAL, throttle & shut-off shaft
	2	4053375 WASHER, throttle & shut-off shaft
	2	4050910 SEAL, pivot shaft
	2	4052540 SEAL, drive shaft
	1	4048596 SEAL, pilot
	1	4369432 WASHER, torque screw hole
	1	4048630 GASKET, control cover
	1	4048650 WASHER, stud guide
	1	4369444 SEAL, hydraulic head
	1	4055966 PLUG, end plate pipe
	1	4050417 SEAL, transfer pump
	1	4369599 SEAL, end plate sleeve
	1	4055962 SEAL, element
	1	4059134 SEAL, regulating piston

NUMERICAL INDEX

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
042887....98		227682....104		231294....72		233886....124	
043593....138		227684....110		231315....72		233887....124	
043599....136		227711....130		231316....72		233889....124	
043600....136		227731....92		231317....74		233892....118	
044129....136		227827....102, 110		231318....72		233893....118	
044130....136		227927....102, 112		231319....72		233896....128	
044131....138		228034....100		231320....72		233897....128	
044132....136		228218....94		231321....72		233900....128	
098029....82		228307....114		231322....72		233901....128	
202329....108		228373....88		231327....72		233906....118	
202532....94		228441....148		231328....76		233907....128	
202584....120		228465....146, 150		231328....72		233912....136	
202864....114		228498....150		231329....72, 76		233914....136	
202875....114		228748....106		231330....72		233944....116	
203465....114		228749....106		231665....138		233950....130	
204013....130		228750....106		231697....176		233952....130	
204085....110		228751....106		231995....90		233953....130	
206579....118		228752....106		232192....114		233954....130	
206581....118		228753....106		232248....112		233955....130	
207152....100		228754....106		232249....112		233956....130	
207772....114		228755....106		232431....36		233970....138	
208137....86		228756....106		232484....104		233971....130	
208325....86		228757....106		232788....100		234010....118	
208960....88		228758....106		232917....70		234011....118	
209099....80		228766....90		232984....104		234012....118	
209890....98		229113....120		233097....114		234013....118	
209899....98		229210....80		233244....94, 150		234018....110	
211169....100		229278....98		233245....148		234050....118	
211999....98		229279....98		233246....110		234073....124	
212037....100		229285....124		233249....108		234146....142	
212785....114		229310....106		233565....148		234147....142	
217264....89		229425....100		233721....120		234357....88	
218648....120		229447....100		233727....120		234362....182	
222455....108		229456....98, 106		233744....134		234366....182	
223248....86		229523....100		233745....134		234374....182	
223255....86		229524....100		233746....134, 182		234375....182	
223395....100		229525....100		233770....92, 164		234404....88	
223565....170		229526....100		233777....132, 134		234409....88	
224747....118		229527....100		233780....132		234426....164	
224925....114		229601....124		233781....132		234539....116	
225152....118		229603....124		233787....132		234692....156	
225152....178		229700....82		233788....132		234857....154	
225265....92		229748....146		233796....134		234940....138	
225400....112		229814....124		233797....134		234941....138	
225441....110		229816....122		233798....134		234942....134	
225608....102		229856....98		233799....134		234943....136	
225948....112		229981....70		233807....130		234944....136	
225954....98		230170....88, 90		233810....132		234946....136	
226012....36, 106, 108, 110		230253....100		233811....130		234949....136	
		230232....184		233812....130		234964....116	
		230240....88		233813....130		234976....154, 156	
226408....36		230246....88		233815....130		234993....154	
226687....148, 150		230320....108		233816....130		235403....128	
227137....180		230322....94		233817....128		235439....120	
227195....88		230361....124		233818....128		235440....120	
227343....150, 152		230380....124		233819....128		235448....62	
227463....152		230423....124		233836....128		235528....180	
227500....98		231128....110		233837....128		235536....134	
227525....116		231240....72		233838....128		235619....136	
227530....150		231258....74		233843....128		235666....84, 158	
227598....120		231260....74, 76		233882....102, 124		235677....100	
227666....110		231262....72		233884....124		235724....88	
227679....108		231291....72		233885....124		235800....134	

Part No. Page

235873....136
235874....136
235884....62, 66
235896....62, 66
235918....62, 66
235925....100
235926....136
235948....116
235956....132
235957....132
235960....138
236297....94
236299....106

236514....98
236515....98
236516....98
236517....98
236518....98
236519....98
236520....98
236521....98
236522....98
236523....98
236524....98
236525....98
236526....98
236692....134
236698....182
236750....146, 150
236877....128
236878....128
236881....128
236882....128
237006....68
237047....120
237048....34
237129....138
237130....138
237134....62
237246....118
237395....62
237415....176
237575....148
237620....62
237818....78
237929....120
237946....86
237947....86
239238....120
239384....106
239385....106
239386....106
239387....106
239388....106
239389....106
239390....106
239415....98
239416....98
239417....98
239418....98
239419....98
239420....98

Part No. Page

239421....98
239422....98
239532....96
239726....84, 89, 148
239967....68
240028....64
240188....176
240191....120
240203....180
240209....180
240211....180
240212....180
240303....180
240356....128
240439....116
240834....64
240837....88
240838....88
241032....120
241033....120
241056....64
241063....138
241064....138
241138....156
241125....156
241173....138
241266....42
241284....120
241335....76
241369....74
241380....102
241779....108
241965....88
241973....156
241977....88
242038....92
242095....62
242136....72
242137....70
242146....70
242148....138
242149....138
242398....88
242564....146
242583....62
242673....176
242675....176
242676....176
242811....68
242812....68
242813....68
242814....68
242815....68
242818....68
242822....68
242823....68
242825....68
242826....68
242828....68
242829....68
242831....68
242835....68
242838....68

Part No. Page

242840....68
242844....68
242874....104
242875....104
242877....104
242878....104
242879....104
242880....104
242881....104
242882....104
242883....104
242884....104
242885....104
242886....104
242887....104
242888....104
242889....104
242890....104
242891....104
242892....104
242900....102
242902....106
242903....106
242904....106
242905....106
242906....106
242907....106
242910....106
242911....106
242913....106
243059....104
243093....102
243094....106
243116....106
243117....106
243124....70
243157....62, 66
243183....70
243188....42
243210....92
243216....100
243217....100
243219....100
243220....100
243224....100
243225....100
243226....100
243321....152
243360....130
243470....70
243471....70
243473....70
243513....70
243541....94
243594....84
243621....156
243790....68
243791....68
243792....68
243838....72
243839....74
243840....72
243841....72

Part No. Page

243842....72, 74
243844....72, 76
243845....72
243846....72, 76
243847....72, 76
243848....72, 76
243849....72, 76
243854....74, 76
243855....72, 76
243856....74
243857....72, 76
243862....88
243948....136
243986....66
244308....102
244413....82
244430....134
244448....134
244452....132, 134
244454....134, 136
244616....152
244619....152
244656....140
244686....140
244688....140
244689....140
244709....162
244711....162
244714....162
244716....162
244719....164
244720....164
244723....162
244740....164
244754....178
244774....170
244777....172
244781....164
244782....164
244784....174
244787....120
244796....158
244797....154
244799....154
244804....158
244806....158
244810....158
244811....158
244812....158
244813....158
244814....162
244815....162
244816....162
244819....18, 20
244833....154
244834....154
244836....154
244837....154
244846....138
244847....138
244855....162
244856....162
244876....110

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
244881....	62	245161....	66	245632....	82	246168....	156
244885....	98	245162....	66	245637....	82	246183....	144
244886....	98	245163....	62	245638....	82	246184....	144
244889....	98, 102	245164....	94	245640....	144	246186....	144
244890....	98	245167....	84	245643....	188	246187....	144
244891....	104	245168....	84	245644....	188	246189....	70
244893....	102	245169....	84	245647....	142	246251....	68
244892....	102	245170....	94	245648....	142	246270....	78
244894....	102	245230....	89	245654....	142	246271....	78
244895....	102	245244....	88	245655....	142	246272....	78
244896....	102	245245....	88	245657....	142	246274....	78
244897....	102	245253....	100	245658....	142	246275....	78
244898....	102	245307....	154	245669....	180	246276....	78
244899....	102	245313....	180	245685....	156	246282....	88
244900....	102	245324....	70	245743....	82	246304....	78
244901....	102	245328....	70	245744....	82	246305....	110
244902....	102	245330....	68	245747....	78	246318....	150
244903....	102	245331....	74	245748....	30	246319....	152
244904....	102	245332....	89	245751....	78	246320....	150
244905....	102	245413....	84	245752....	78	246321....	150
244906....	102	245414....	84	245767....	78	246324....	150
244907....	102	245418....	180	245771....	78	246325....	150
244908....	102	245419....	180	245777....	84	246326....	150
244910....	94	245427....	180	245790....	84	246340....	94
244957....	102	245429....	180	245791....	84	246427....	110
244958....	106	245432....	180	245794....	160	246467....	150
244960....	106	245438....	178	245796....	82, 144	246611....	150
244961....	106	245440....	180	245821....	114	246612....	150
244962....	108	245446....	82	245824....	184	247713....	150
244963....	108, 110	245458....	92	245835....	160	246621....	178
244966....	122	245461....	92	245838....	62, 66	246637....	108
244967....	122	245462....	92	245839....	62, 66	246764....	90
244975....	122, 126	245466....	92	245840....	62, 66	246774....	90
244979....	122	245478....	92	245856....	106, 108	246775....	90
245031....	126	245479....	92	245860....	62, 66	246818....	144
245037....	126	245480....	92	245872....	182	246819....	144
245041....	126	245481....	176	245991....	66	246860....	144
245043....	96, 126	245483....	176	245992....	104	246908....	182
245058....	186	245485....	176	245930....	94	246909....	182
245063....	188	245486....	176	246043....	68, 90	246910....	182
245079....	144	245489....	176	246044....	68, 90	246918....	110
245081....	188	245496....	126	246072....	76	246919....	110
245088....	158	245498....	92	246073....	76	246920....	110
245091....	30	245502....	92	246074....	74	246922....	110
245092....	144	245506....	140	246075....	74	246923....	110
245100....	78	245512....	94	246076....	74	246924....	110
245101....	78	245513....	92	246077....	74, 76	246925....	110
245103....	78	245517....	92	246078....	76	246926....	110
245105....	78	245533....	104	246079....	76	246927....	110
245113....	30	245534....	104	246084....	30	246930....	112
245114....	30	245558....	89, 148	246085....	160	246932....	112
245115....	30	245579....	70	246097....	76	246933....	112
245117....	30	245580....	70	246100....	76	246934....	112
245118....	30	245606....	142	246103....	160	246935....	112
245120....	30	245610....	142	246105....	160	246936....	112
245121....	186	245611....	142	246106....	160	246937....	112
245122....	186	245622....	68	246107....	160	246938....	112
245126....	186	245623....	68	246114....	142	246939....	112
245129....	188	245624....	68	246115....	142	246940....	112
245132....	188	245626....	144	246126....	184	246941....	112
245139....	134	245627....	142	246128....	64	246942....	112
245140....	134	245628....	142	246132....	84	246944....	112
245159....	144	245631....	82	246134....	146	246945....	114

Part No. Page

246946....114
246947....114
246948....114
246949....114
246950....114
246951....118
246979....110
246980....110
246981....110
246982....110
247039....152
247044....178
247045....180
247067....156
247070....90
247191....146
247201....80
247224....156
247235....158
247241....156
247243....156
247245....156
247247....156
247249....156
247250....156
247251....112, 118
247252....156
247254....156
247258....156
247260....156
247263....148
247270....152
247271....152
247277....154
247287....142
247288....18, 20
247289....80
247291....82
247292....82
247293....82
247296....176
247318....92
247329....160
247398....152
247405....126
247406....116
247407....116
247408....116
247409....116
247411....98
247412....104
247413....102
247421....140
247422....140
247425....150
247502....90
247519....112
247520....112
247521....112
247622....80
247679....178
247874....116
247960....94

Part No. Page

247990....150
247991....150
248039....100
248042....100
248046....100
248085....94
248100....176
248164....108
248261....180
248405....94, 104
248430....62
248467....66
248468....140
248474....94
248475....94
248476....92
248477....92
248478....92
248485....80
248486....80
248490....118
248491....94
248597....142
248647....100
248674....70
248675....70
248676....70
248678....70
248680....70
248682....174
248683....174
248684....174
248685....174
248686....174
248687....144
248688....174
248694....174
248695....174
248696....174
248698....174
248699....150
248700....70, 174,
248703....96
248709....96
248710....96
248716....96
248718....48, 96
248723....96
248724....96
248725....40
248729....144
248747....174
248748....174
248809....174
248810....174
248811....174
248940....172
249027....88
249102....64
249103....64
249282....138
249308....156
249522....150

Part No. Page

249523....184
249524....184
249525....184
249606....138
249607....128
249608....128
249617....186
249677....84
249708....150
249803....78
249816....146
249818....150
249819....150
249894....92, 96
249899....82
249934....146
249942....146
249951....146
249952....146
249953....146
250032....84
250100....122
250101....122
250133....148
250135....148
250136....148
250137....148
250151....120
250152....120
250218....30
250219....80
250279....156
250280....156
250487....90
250488....90
250530....108
250538....122
250585....146
250586....146
250587....148
250588....148
250609....146
250610....150
250931....78
250932....78
250933....78
251428....64
251436....64
251556....122
251609....174
251614....174
251822....130
251828....130
251837....88
251845....90
251862....146
251874....92
252108....136
252109....136
252112....136
252116....136
252120....136
252121....136

Part No. Page

252122....136
252123....136
252161....132
252404....132
252427....86
252436....98
252463....82
252464....82
252467....82
252477....100
252487....182
252488....182
252489....182
252490....182
252499....140
252503....140
252504....140
252505....140
252507....140
252546....124
252548....124
252549....124
252551....124
252552....124
252554....140
252568....158
252569....152
252570....152
252571....152
252572....152
252573....152
252653....118
252671....138
252674....176
252677....176
252678....176
252679....176
252852....132
252853....134
252861....158
252867....158
252869....158
252870....158
252871....158
252872....158
252873....158
252875....158
253103....136
253104....136
253109....136
253111....136
253118....136
253119....132
253135....186
253136....186
253137....186
253138....186
253207....136
253208....136
253221....136
253222....136
253262....166
253264....132, 1:

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
253265....	172	621821....	184	911006....	114	916202....	44
253274....	98	800449....	104	911072....	150	916254....	96
253281....	186	900811....	158	911114....	92, 118	916268....	60
253282....	186	900369....	136	911115....	30, 78, 82, 92	916269....	26, 28, 60, 66, 98, 108, 116
253321....	88	900501....	90	911327....	96	916277....	42
253322....	88	900811....	180	911385....	182	916329....	78, 82
253331....	96	900970....	56, 92, 94, 96	911421....	38, 42	916393....	100
253332....	96	901226....	72, 76	911428....	64, 144	916400....	56
253333....	96	901279....	96, 126	911435....	14, 16	916604....	144
253334....	96	901467....	64	911437....	14, 16	916621....	64, 72, 74
253335....	96	901478....	54	911987....	22	916622....	42, 48, 62, 66, 94, 154
253336....	96	901490....	150	911989....	60	916694....	154
253337....	96	901500....	152	911998....	48, 96	916768....	30
253339....	96	901651....	62, 84, 94	912007....	128	916871....	84, 154
253340....	96	901826....	54	912101....	182	916872....	40, 92
253355....	150	903626....	18, 20	912301....	98, 108	916880....	88
253371....	150	903628....	82, 92, 162	912333....	128	916899....	184
253374....	148	903771....	18, 20, 150	912369....	60	916936....	128, 172
253416....	114	903775....	70, 142, 148, 162	912415....	6	916937....	130
253564....	102	903793....	154	912430....	176	916950....	30, 62, 66, 70, 78, 92, 92, 142, 144, 146, 158, 160
253565....	102	904020....	122	912472....	178	916951....	78, 110, 130
254010....	132	904210....	186	912772....	126	916954....	92, 182
254034....	154	904224....	158	912943....	142, 148	916956....	180
254035....	154	904516....	8	913137....	132, 140, 182	916964....	28, 38, 42, 48, 62, 66, 72, 76, 118, 144, 154
254036....	154	905125....	128	913160....	178, 188	916965....	6, 16, 26, 28, 30, 34, 40, 48, 56, 62, 66, 70, 72, 74, 76, 78, 82, 92, 96, 116, 122, 142, 144, 146, 148, 154, 158, 160, 162
254037....	84	905360....	104, 114	913177....	126	916966....	24, 56, 62, 78, 82, 84, 110, 116, 128, 134, 136, 138, 140, 142, 150, 158, 162, 182, 186
254139....	146	905656....	66	913233....	64	917021....	24
254211....	136	905845....	10	913432....	182	917127....	94, 104
254212....	136	905850....	122	913474....	64	917332....	84
254213....	136	906905....	60	913535....	38, 56	917356....	14, 18, 20, 22, 30, 38, 42, 48, 60, 62, 66, 72, 76, 78, 80, 88, 92, 124, 146, 150, 174
254214....	136	906938....	88	913536....	14, 16	917365....	6, 36, 58, 64, 72, 74, 90
254309....	84	906957....	50, 52	913544....	26, 28, 30, 34, 40	917372....	18, 20, 30, 60, 66, 78, 84, 88, 92, 146, 174
254345....	142	906960....	78	913744....	130	917373....	96, 132, 134, 144, 154, 176, 182, 188
254407....	88	907058....	80	913842....	148	917376....	88
254536....	116	907727....	62	913888....	146	917379....	130, 138
254537....	116	907859....	174	913974....	186		
254538....	116	907893....	88	914198....	156, 158		
254539....	116	908944....	6	914465....	186		
254684....	124	909055....	72, 74, 88	914498....	32, 38		
254685....	124	909589....	88	914626....	14, 16		
254891....	78	910000....	138	914684....	44		
289556....	86	910017....	110	915248....	180		
320343....	178	910098....	128	915399....	6		
321860....	178	910123....	30, 48	915602....	32		
323297....	102	910141....	84	915607....	122		
328673....	178	910161....	84	915633....	140		
332328....	178	910175....	82, 140	915666....	132		
335249....	184	910199....	64	915714....	126, 130		
335903....	178	910210....	182	915726....	154, 176, 182, 188		
335912....	178	910211....	62, 66	915771....	100		
335925....	178	910224....	50	915783....	178		
336025....	178	910267....	40, 56	915798....	78		
336202....	178	910244....	78, 96	915813....	28, 36, 124		
336211....	178	910279....	54	915831....	178		
336222....	178	910329....	56, 92	915891....	148		
336239....	178	910335....	30	915905....	100		
336240....	178	910510....	122	916001....	174		
336916....	106	910511....	132	916014....	170		
340818....	178	910543....	88, 182	916080....	64, 72, 74		
341230....	106	910800....	182	916160....	162		
345552....	178	910815....	152	916169....	72		
409760....	186	910876....	124, 162				
643560....	156						

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
917385....	68, 72, 76	919316....	146, 150	921350....	146	923485....	106
917389....	88	919319....	66	921355....	80	923560....	170
917393....	44	919326....	80	921373....	130	923562....	166, 168, 170,
917395....	44, 68, 72, 76, 90	919332....	78, 82, 140, 188	921402....	146		172
917415....	90		142, 144, 176,	921463....	182	923565....	148
917421....	72, 76		178, 180, 186,	921476....	134	923566....	164, 166, 168,
917425....	24	919333....	78	921493....	32		170, 172, 174
917438....	90	919357....	72, 74	921525....	122	923571....	132, 134, 156
917441....	68, 90	919383....	82	921534....	84	923583....	108
917452....	92	919423....	84, 158	921539....	26	923586....	160
917472....	140	919438....	92	921753....	138	923600....	162
917485....	146	919439....	82	921871....	102	923641....	150
917497....	146	919443....	100, 118	921893....	128	923663....	148, 174
917535....	26, 28	919547....	148	921894....	128	923684....	34
917547....	6	919646....	150	921908....	154	923697....	82
917567....	152	919761....	36	921910....	78	923701....	34, 150
917644....	56	919800....	48	921911....	62, 66, 78	923816....	110
917646....	94, 154	919840....	6	921912....	154, 158	923817....	30, 118
917648....	122, 126	920107....	166, 168, 170,	921913....	62, 66, 78	923822....	34
917662....	56		172	921914....	62	923845....	164
917666....	122, 126	920161....	72, 76	921920....	150	923881....	188
917673....	22	920240....	90	921934....	70, 174	923938....	60
917686....	116	920241....	94	921958....	118	923987....	164, 166, 168,
917806....	48	920328....	78, 144	921961....	48, 154		170, 172
917809....	48	920333....	32	921965....	28, 40, 48, 92,	923988....	70, 168, 170,
917947....	120	920397....	70, 96, 150		96, 116, 142,		172, 174
917955....	54	920415....	6, 40, 130		144, 154, 180	923989....	164, 166, 168,
917975....	126	920416....	146	921966....	142		170, 172
917977....	178	920426....	84	921969....	78	924006....	158
918062....	124	920504....	42	921971....	98	924007....	158
918199....	32, 38, 48, 96,	920574....	94	921972....	34	924008....	116
	110, 118, 162	920619....	34	921973....	26	924014....	158
918264....	70, 94	920649....	22	922002....	122, 178, 180	924022....	146
918265....	66, 92	920655....	48	922020....	186, 188	924026....	156, 174
918266....	142, 144	920662....	150	922095....	122, 176	924038....	158
918416....	178	920676....	48	922127....	48	924054....	180
918448....	84, 96, 116, 124,	920677....	32, 38	922130....	34, 150	924097....	188
	154	920787....	80, 92	922190....	188	924149....	180
918452....	92, 104, 122,	921019....	132, 134	922293....	104	924165....	188
	126, 128	921160....	146	922464....	94, 154	924167....	154
918458....	128, 130	921168....	120, 134	922612....	140	924168....	146
918463....	176, 186	921170....	140	922659....	186, 188	924243....	89
918829....	156	921176....	110, 140, 142,	922660....	78, 146	924270....	176
918850....	6, 22		144, 182	922714....	92	924276....	144
918851....	18, 20	921204....	164	922811....	88, 89	924292....	184
918875....	66	921205....	146, 166, 168,	922918....	26, 28, 66	924355....	22, 154
918887....	94		170, 172	923113....	182	924402....	80
918994....	128	921210....	26, 28, 30, 34,	923114....	56, 116, 162,	924405....	82
919005....	46		96, 108, 122,		182, 186	924410....	82
919072....	148		126, 142, 144,	923141....	174	924648....	42
919088....	148		146, 148, 182	923151....	96, 182	924739....	176, 180, 188
919089....	128	921212....	118	923152....	188	924743....	178
919125....	130	921214....	146, 154	923154....	110	924744....	140
919134....	6, 152	921227....	174	923162....	176	924746....	26
919135....	150	921244....	156	923170....	162	924763....	178
919206....	150	921262....	178	923292....	180	924774....	166, 168, 170,
919224....	16, 22, 26, 28,	921319....	56	923341....	36, 42		172
	34	921325....	180	923350....	188	924883....	186
919225....	26, 28	921332....	6, 30, 36, 78,	923352....	82	924891....	38
919228....	32, 110		84, 88	923390....	106	925100....	100
919230....	24	921333....	14, 30, 38, 62,	923391....	106	925200....	100
919231....	110		146	923417....	84	925387....	188
919315....	128	921349....	146, 152	923473....	110, 136	925602....	182

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
925694....144		2018077...162		4020324...56		4021155...40	
925719....14, 16, 128		2018584...164		4020325...60		4021186...34	
925821....14, 16		2018908...166		4020352...22		4021217...40	
925872....176		2018909...166, 172		4020353...22		4021227...54	
925923....132, 134		2018910...166, 172		4020359...14, 16		4021255...48	
925947....140		3010653...160		4020364...40		4021324...28	
926103....176		3013847...160		4020365...40		4021334...60	
926106....60		3013848...160		4020367...40		4021339...22	
926115....150		3013850...160		4020368...40		4021340...48	
926125....116		3013852...160		4020369...40		4021341...48	
926126....28		3016079...160		4020370...40		4021342...48	
926127....142, 144, 178		3016399...160		4020372...40		4021343...48	
926144....84, 154		3016403...160		4020380...8		4021385...48	
926153....124		3039899...160		4020381...6		4021445...6	
926167....140		3044223...158		4020382...6		4021453...14, 16	
926168....186		4020016...24		4020396...22		4021454...14, 16	
926575....186		4020032...6		4020308...18, 20		4021525...10	
926609....166, 168, 170, 172		4020049...12		4020419...18		4021600...64	
		4020056...36		4020450...10		4021612...6	
		4020059...36		4020454...10		4021616...6	
		4020061...36		4020455...10		4021634...8, 24, 28, 30, 34, 36, 38	
		4020063...36		4020459...10			
926696....124		4020064...36		4020460...10			
929114....62		4020080...18, 20		4020464...10			
1003002...102		4020080...20		4020465...10			
1003156...94		4020082...18, 20		4020469...10		4021689...66	
1003307...90		4020090...24		4020470...10		4021759...50	
1003401...136		4020098...28		4020474...10		4021796...12	
1003402...136		4020099...28		4020475...10		4021798...26, 28	
1003403...136		4020100...28		4020479...10		4021803...22, 24	
1003404...136		4020102...26		4020494...18, 20		4021804...22	
		4020104...28		4020497...32		4021822...24	
1003412...120		4020135...8		4020498...32		4021823...24	
1003459...122		4020142...12		4020512...6		4021827...24	
		4020143...16		4020520...56		4021969...24	
2014813...166, 168, 170		4020145...12		4020525...48		4022080...20	
2014815...166, 168, 170		4020146...18, 20		4020535...56		4022081...18	
2014816...166, 168, 170		4020147...18, 20		4020536...18, 20		4022082...12	
2014817...166, 168, 170		4020149...10		4020537...6		4022083...10	
2014826...166, 168, 170		4020156...18, 20		4020538...6		4022084...10	
2014828...166, 168, 172		4020176...14		4020539...6		4022085...10	
2015543...166, 172		4020177...14		4020540...6		4022086...10	
2015544...166, 172		4020185...14, 16		4020570...60		4022087...10	
2016339...166, 168, 170, 172		4020189...22		4020670...40		4022088...10	
2016342...170		4020191...22		4020673...42		4022089...12	
2016346...168, 170		4020192...22		2020674...42		4022090...12	
2016348...162		4020195...26		4020675...42		4022091...12	
2016675...170		4020196...26		4020676...42		4022093...12	
2017811...164, 166, 168, 170, 172		4020197...26		4020683...14, 16		4022095...10	
		4020211...24		4020698...28		4022096...10	
2017813...170		4020224...22		4020739...12		4022100...10	
2017814...170		4020227...24		4020795...42		4022101...10	
2017815...170		4020231...36		4020812...24		4022105...10	
2017881...166		4020235...34		4020813...18, 20		4022106...10	
2017882...168		4020246...10		4020814...42		4022110...10	
2017889...162		4020256...20		4020815...42, 44		4022111...10	
2017974...166, 168, 170, 172		4020260...34		4020824...22		4022115...10	
		4020295...28		4020879...24		4022116...10	
2017975...166, 168, 170, 172		4020307...14		4021015...30		4022120...10	
		4020308...14		4021016...30		4022121...10	
2017976...166, 168, 170, 172		4020309...32		4021021...36		4022129...6	
		4020317...18		4021151...40		4022228...10	
2018076...162		4020322...56, 58		4021152...32		4022229...14	

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4022231...26		4025236...34		4048649...54		4053037...54	
4022233...12		4025238...6		4048650...50		4053204...50	
4022285...10		4025258...6		4049532...50		4053266...50	
4022288...40		4025259...6		4049533...50		4053267...50, 52	
4022289...40		4025383...6		4049800...40		4053362...52	
4022292...16		4025385...48		4050068...74, 76		4053375...50	
4022305...8		4025392...6		4050086...44		4053385...52	
4022313...12		4025441...60		4050123...44		4053589...50	
4022318...8, 12		4025461...26		4050179...50		4053590...52	
4022339...14, 16		4025491...18, 20		4050417...52		4054013...58	
4022430...14, 16		4025710...34		4050598...58		4054014...58	
4022433...26		4025921...34		4050636...54		4054015...58	
4022458...14, 16		4026091...34		4050637...54		4054016...58	
4022459...14		4026092...34		4050638...54		4054017...58	
4022492...8		4026437...34		4050645...54		4054020...58	
4022581...36		4026460...26, 28		4050646...54		4054026...58	
4022582...36		4026514...36		4050910...50		4054037...52	
4022593...36		4026549...26, 28, 30		4050912...52		4054540...54	
4022595...18, 20		4026699...14, 16		4050958...58		4054579...50	
4022597...36		4027748...52		4051002...50		4054582...50	
4022631...48		4041829...40		4051272...74		4054583...50	
4022642...46		4042630...72		4051277...74		4054594...50	
4022647...20		4042650...76		4051279...74		4054758...76	
4022649...18		4042660...44		4051281...74		4054796...76	
4022659...30		4042668...74		4051282...74		4054799...68	
4022736...36		4042670...44		4051324...58		4054825...74	
4022744...36		4042832...68		4051325...58		4055015...50	
4022784...30		4044032...68		4051326...58		4055017...58	
4022897...18, 20		4044339...44		4051335...58		4055435...74	
4022900...54		4044355...74		4051336...58		4055436...74	
4022947...20, 22, 24, 32, 48, 54		4044493...44		4051339...58		4055438...74	
4022948...18, 22, 32		4044510...76		4051341...58		4055442...50	
4022958...12		4046598...58		4051342...58		4055555...68	
4022979...8, 12		4046601...58		4051343...58		4055649...58	
4023052...30		4046614...58		4051344...58		4055869...76	
4023061...6		4046640...58		4051374...50		4055871...74	
4023099...6		4046663...58		4051376...52		4055892...52	
4024459...16		4046664...58		4051378...50		4055928...52	
4025019...6		4046667...58		4051379...52		4055958...52	
4025021...6		4046669...58		4051380...52		4055959...52	
4025025...6		4046670...58		4051381...52		4055960...52	
4025059...34		4046713...58		4051385...52		4055961...52	
4025067...34		4047348...74		4051386...52		4055962...52	
4025068...34		4047365...72		4051387...52		4055965...52	
4025079...26, 28, 30		4048596...50		4051388...52		4055966...52	
4025082...26		4048597...50		4051409...50		4056411...58	
4025101...32		4048598...50		4051412...50		4056468...38	
4025103...32		4048600...50		4051413...50		4056469...38	
4025106...34		4048603...50		4051498...50		4056470...38	
4025119...38		4048604...50		4051502...50		4056471...38	
4025120...38		4048605...50		4051833...50		4056472...38	
4025146...54		4048608...52		4051968...76		4056473...38	
4025148...54		4048610...50		4052156...50		4056474...38	
4025149...54		4048620...52		4052538...52		4056484...50	
4025150...54		4048624...50		4052540...50		4056485...50	
4025164...18, 20		4048627...50		4052541...52		4056486...50	
		4048630...50		4052732...40		4056487...50	
		4048632...50		4052739...40		4056488...50	
4025166...20		4048635...50		4052742...50		4056490...50	
4025188...16		4048636...50		4052915...50		4056500...38	
4025191...14, 16		4048639...50		4052917...50		4056590...52	
4025193...14, 16		4048642...50		4053035...54		4056687...44	
4025194...14, 16		4048645...50		4053036...54		4056691...44	

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4056699...	44	4335456...	32				
4056700...	44	4357289...	30				
4056703...	44	4362338...	6				
4056705...	44	4368977...	54				
4056708...	44	4369428...	50				
4056710...	44	4369429...	50				
4056711...	44	4369432...	50				
4058832...	52	4369436...	52				
4058833...	52	4369444...	52				
4058876...	44	4369451...	52				
4058877...	44	4369452...	50				
4058878...	44	4369592...	52				
4058879...	44	4369595...	50, 52				
4058896...	42	4369596...	52				
4058897...	42	4369599...	52				
4058907...	58	4369878...	50				
4058908...	58	4376497...	18, 20				
4058909...	58	4378033...	54				
4058910...	58	4380652...	54				
4058912...	58	4385253...	6				
4058913...	58	4390237...	8				
4058914...	58	4500231...	6				
4058915...	58	4500300...	24				
4058950...	50	4501149...	48				
4058962...	158	4504409...	48				
4058966...	38	4506761...	24				
4058971...	38	4507158...	40				
4058972...	38	4507358...	48				
4058994...	58	4507374...	6				
4059134...	52	4507414...	48				
4059221...	52	4507673...	6				
4059237...	50	4511153...	42				
4059241...	50	4511213...	54				
4059276...	50, 52	4511243...	54				
4059575...	52	4512343...	62				
4059596...	52	4512412...	40				
4059620...	54	4512644...	14, 16				
4059733...	52	4513206...	14, 16				
4153776...	18, 20	4513411...	38				
4251113...	120	4513430...	56				
4253059...	12	4513444...	26				
4253433...	52	4513573...	38				
4253653...	40	4514135...	62				
4254152...	98	4514393...	56				
4254452...	6	4514780...	48				
4254594...	24, 34	4514813...	24				
4254757...	18, 20	4514967...	42				
4254864...	14, 16	4514968...	42				
4255000...	42	4641266...	56				
4255060...	42	4771148...	70				
4255107...	6	4987617...	98				
4255203...	48	4997171...	76				
4255364...	36						
4255492...	6						
4255524...	22						
4255545...	66						
4255560...	56						
4255570...	42						
4255579...	44						
4255580...	44						
4255694...	22, 24						
4303933...	18, 20						
4306010...	18, 20						

LATE ADDITIONS

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
0038234...	136	1003164...	148		42,56,192		
0043591...	136	1003344...	114	4023247...	40		
0050543...	180	1003354...	186	4023272...	28		
0226012...	28	1003355...	186	4023561...	26,28		
0226304...	132,134	1003357...	186	4023563...	26,28		
0226926...	62,66	1003391...	116	4023567...	28,191		
0231260...	77B	1003392...	116	4023574...	54		
0231328...	77B	1003407...	114,120	4023713...	3,8,24,28,30,34, 36,38,191		
0231329...	77B	1003495...	120	4023827...	6		
0233717...	114	1003585...	191	4023862...	8, 12		
0241139...	156	1003672...	77A	4023865...	8,12		
0241335...	77A	1003673...	77B	4023926...	12		
0243061...	94	1003674...	77A	4024501...	20		
0243844...	77B	1003675...	77A	4025326...	46		
0243846...	77A	1003683...	90	4027979...	38		
0243847...	77A	1003749...	130	4028945...	46		
0243848...	77A	1003815...	77A	4029130...	34		
0243849...	77A	1003815...	74	4029256...	18,20		
0243854...	77A	1003818...	136	4125229...	46		
0243855...	77B	1003819...	136	4041224...	77A		
0243857...	77A	1003820...	136	4042650...	77B		
0243987...	66	1003821...	136	4044355...	77B		
0244716...	162	1003823...	68	4044510...	77B		
0244775...	172	1003856...	136	4050068...	77A		
0244838...	154	1003857...	136	4051279...	77A		
0246015...	32	1003858...	136	4051281...	77A		
0246073...	77B	1003859...	136	4051968...	77B		
0246074...	77A	1003860...	136	4054758...	77B		
0246075...	77A	1003861...	136	4054796...	77B		
0246076...	77A	1003862...	136	4054825...	77A		
0246077...	77A	1003863...	136	4055435...	77A		
0246074...	77A	1003864...	136	4055869...	77B		
0246079...	77B	1003865...	136	4055871...	77A		
0246100...	77B	2014810...	172	4060192...	77A		
0247332...	156	2018315...	170	4060695...	54		
0251369...	77A	2018582...	174	4516760...	62		
0251822...	191	2018583...	174	4997171...	77A		
0252042...	77A	2018584...	174	0926611...	166,168, 170,172		
0253271...	158	3002766...	158	0927974...	148,150		
0253320...	88	3031996...	160	1001559...	164		
0254584...	150	3038547...	64				
0255210...	94	4020575...	24				
0255949...	64	4021498...	6				
0256650...	68	4021635...	8,24,26,30,34, 36,38,40,42, 56,192				
0280751...	64						
0606987...	114	4021711...	6				
0901226...	77A	4022092...	12				
0916080...	77A	4022094...	10				
0916621...	77A	4022098...	10				
0916964...	77A	4022099...	10				
0916965...	77A	4022103...	10				
0917356...	77A	4022104...	10				
0917365...	77A	4022108...	10				
0917385...	77A	4022109...	10				
0917395...	77A	4022113...	10				
0917421...	77A	4022114...	10				
0917442...	72	4022118...	10				
0919357...	77A	4022119...	10				
0920161...	77B	4022123...	10				
0923563...	42	4022901...	48				
0923584...	120	4023220...	8,24,26,30, 34,36,38,40,				
0926609...	174						
0926611...	178						

1

(

(

(