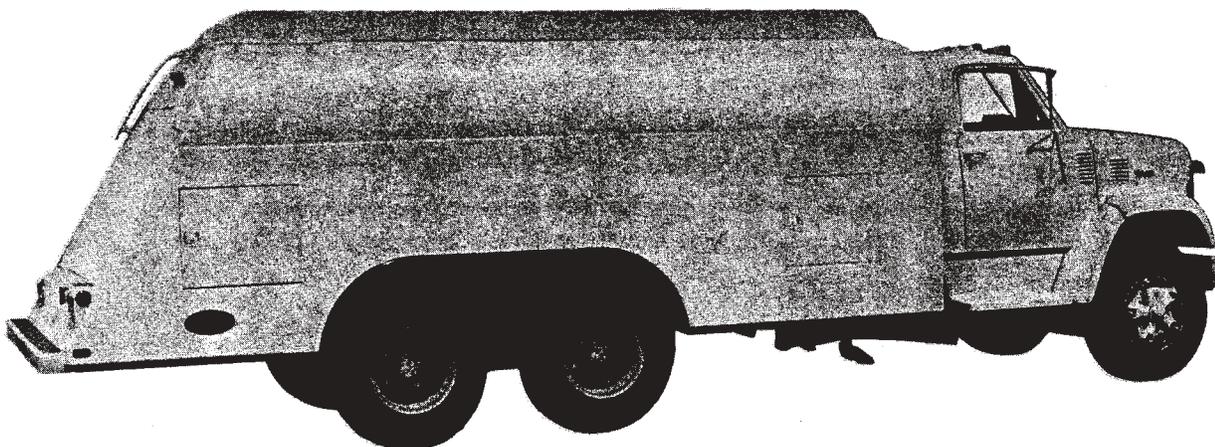




STREET FLUSHER
OPERATION, MAINTENANCE and PARTS MANUAL



E. D. ETNYRE & CO., Oregon, Illinois 61061

How To Order Parts & Warranty

M-802-67

HOW TO ORDER

To assure prompt delivery when ordering parts, please furnish the following information: 1) Complete name and address of consignee. 2) Method of shipment preferred. 3) Is shipment to be prepaid or collect? 4) Is shipment to be C.O.D. or open account? 5) Serial numbers of units to which parts apply. 6) Complete part numbers and descriptions. 7) Any special instructions.

WARRANTY

E.D. Etnyre & Co. guarantees for a period of one year from the date of the shipment to repair or replace, F.O.B. its factory, any part which requires replacement due to defect in material or workmanship, but will not be responsible for consequential damages or any further loss by reason of such defect. This guarantee does not cover products that were not manufactured by E.D. Etnyre & Co. except to the extent of the guarantee given by the actual manufacturer.



E. D. ETNYRE & CO., Oregon, Illinois 61061, Phone Area Code 815/732-2116, Cable Address "EDECO"

Introduction

This manual contains a complete list of serviceable parts for the ETNYRE STREET FLUSHER.

This manual is divided into six sections introductory pages, table of contents, operating instructions, illustrations and parts list, part number numerical index, and specification number numerical index.

The table of contents alphabetically lists the unit classifications and directs the user to the page where the illustration and parts list may be found. The general identification view on page 4, also directs the user to pages in the manual.

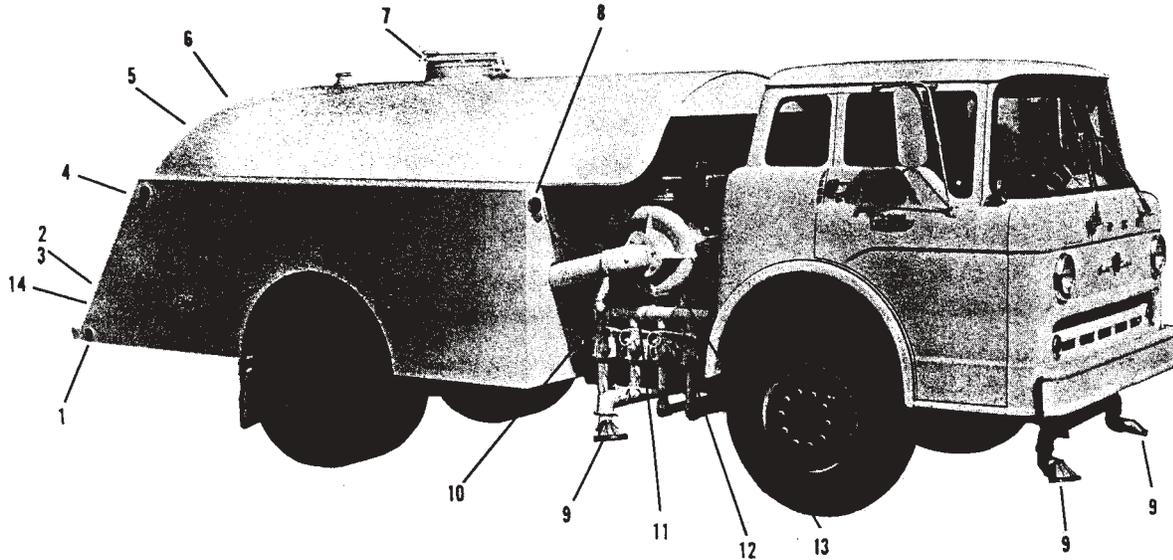
The individual parts in each illustration are shown in their normal relationship to one another. Reference numbers are used on each illustration and should not be used when ordering parts. A parts list accompanies each illustration.

A combination numerical index and cross reference is located at the rear of the manual. This index contains a listing of all part numbers in numerical order with page numbers showing where each part is listed and described, also listed is a cross reference of new seven digit numbers to old prefix numbers. A second cross reference immediately following contains a listing of old prefix numbers to new seven digit numbers.

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General Identification View



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6700068	4	REFLECTOR-RED	8	6700229	1	O RING
2	6700093	2	TURN SIGNAL LIGHT ASSY	9	2940006	AR	NOZZLE ASSY
3	6700094	2	STOP AND TAIL LIGHT ASSY	10		1	ENGINE MOUNT ASSY
4	6700039	4	CLEARANCE LIGHTS-RED	11		1	HEADER
	6700083	1	LENS	12		AR	CONTROL VALVE
	6700229	1	O RING	13		1	PUMP
5	2960051	1	LEVEL GAUGE ASSY	14		1	BACK-UP LIGHT
6	6700039	3	IDENTIFICATION LIGHTS-RED				
7		1	MANHOLE ASSY				A R -AS REQUIRED
8	6700038	2	CLEARANCE LIGHT-AMBER				
	6700082	1	LENS				

Operating Instructions

TO FILL FROM HYDRANT:

Standard equipment consists of 15 ft. of 2-1/2" hose with coupling on one end to fit the tank connection. The other end is plain for you to apply your coupling to fit your hydrants.

The water from the hydrant passes through a strainer located in the fill line and at the rear of the tank. This strainer is mounted externally for accessibility.

Normally, the fill line strainer is self-cleaning, flushing itself whenever the fill hose is disconnected from the hydrant. If it should be necessary to clean the strainer, this can be accomplished by removing the hexagon inlet nut at the bottom of the strainer body.

To fill from hydrant, connect fill hose to tank and hydrant, open hydrant slowly to full pressure; be sure the air bleeder line on top of the pump is open. This line should have a steady upward incline to the tank so as not to trap air.

TURN PUMPING UNIT OFF WHEN TANK IS EMPTY AND WHEN FILLING. Do not operate pump at engine idling speed.

TO FILL FROM STREAM:

Units equipped with self filling attachment (optional equipment) may use stream, pond or lake as a source of water. Close air bleeder line valve on top of the pump. Close valve on discharge side of pump. (On some units a 3" check valve is used and functions automatically on self filling). Turn handwheel on Etnyre 3-way suction valve clockwise to close off tank. Connect suction hose to 3" adaptor on Etnyre suction valve and place opposite end into water source. Keep strainer and suction hose from becoming fouled or plugged. Be sure all connections are tight. Pull priming rod with engine running at fast idle and hold until pressure gage indicates positive pressure, usually around 5 pounds. Release priming rod and increase engine speed. Open valve on discharge side of pump. The fill line hose should be connected to the 2-1/2" underwriters valve on the discharge header. Open the 2-1/2" underwriters valve to permit filling the flusher tank. When the tank is full, turn off the 2-1/2" underwriters valve, turn the handwheel on the Etnyre suction valve counter-clockwise to open the line to the flusher tank and disconnect the hoses. Stop pump and open air bleeder line valve.

NOZZLE ADJUSTMENT:

The spray should strike the pavement from 5 to 8 feet in front of the nozzle. The side nozzle should be adjusted so the inside edge of the spray just misses the front

wheels of the truck. When unit is equipped with 3 nozzles, (and using only 2), the front nozzle should be adjusted toward the right so that left side of spray is directed straight forward if flushing only the right side of street. Adjust the front nozzle straight ahead if using 3 nozzles to flush entire street.

On units with 4 nozzles when using 2 nozzles; the left front and right side nozzles should be adjusted as on the 3 nozzle unit. When using all 4 nozzles, the spray from the front nozzles should overlap.

FLUSHING:

For normal flushing 40 to 50 pounds pressure is recommended. Adjust the pressure with engine throttle. Regulate speed of truck to clean street as desired. At this pressure, water is used at approximately 150 gallons per minute per nozzle.

Greater pressure will have a tendency to fog the spray and force dirt over the top of the curb.

Turn pumping unit off when tank is empty. Do not operate pumping unit at engine idling speed.

FIRE FIGHTING:

Units equipped with fire fighting attachment (optional equipment) may be utilized to provide high pressure water from the tank. Increase water pressure by increasing the governed setting on the engine to desired R.P.M. and pressure. Pressure on the pump can reach as high as 140 P.S.I. Discharge outlet is a 2 1/2" Underwriters Approved globe valve provided to accept a 2 1/2" fire hose. Smaller sizes can be used if desired.

TO BOOST HYDRANT PRESSURE:

Units equipped with a booster fire fighting attachment (optional equipment) may be utilized to increase water pressure from another source (hydrant or second unit). Attachment consists of an Etnyre 5" x 5" x 4" 3-way suction valve in the pump suction line and a 2 1/2" Underwriters Approved valve on the pump discharge line.

Turn 3-way valve clockwise to close flusher suction line to tank; connect 3-way valve to outside source; connect fire hose to 2 1/2" valve on pump discharge line; gradually apply flow from outside source; start engine and open throttle. Input pressure can be increased by as much as 140 P.S.I. dependent on governor setting. Example: Input pressure (such as fire hydrant pressure is 45 P.S.I. Using above procedure, the pressure may be increased up to 185 P.S.I. dependent on governor setting.

Operating Instructions

NOZZLE VALVES:

Standard equipment is a diaphragm type globe valve remotely controlled by one of several different means. The primary method is hydraulic control and is accomplished normally by mounting a manual control valve in the cab. Another method utilizes an electric solenoid valve for the control valve, (still retaining the hydraulic feature for operating the main valve) and actuated by electric switches in the cab. A third method uses air control in place of hydraulic control. The air control is practical only when the chassis is equipped with air brakes.

If nozzles open at flushing pressure and fail to close properly the line leading from the pressure side of the valve to the top of the bonnet may be plugged, or the strainer in this line may be plugged.

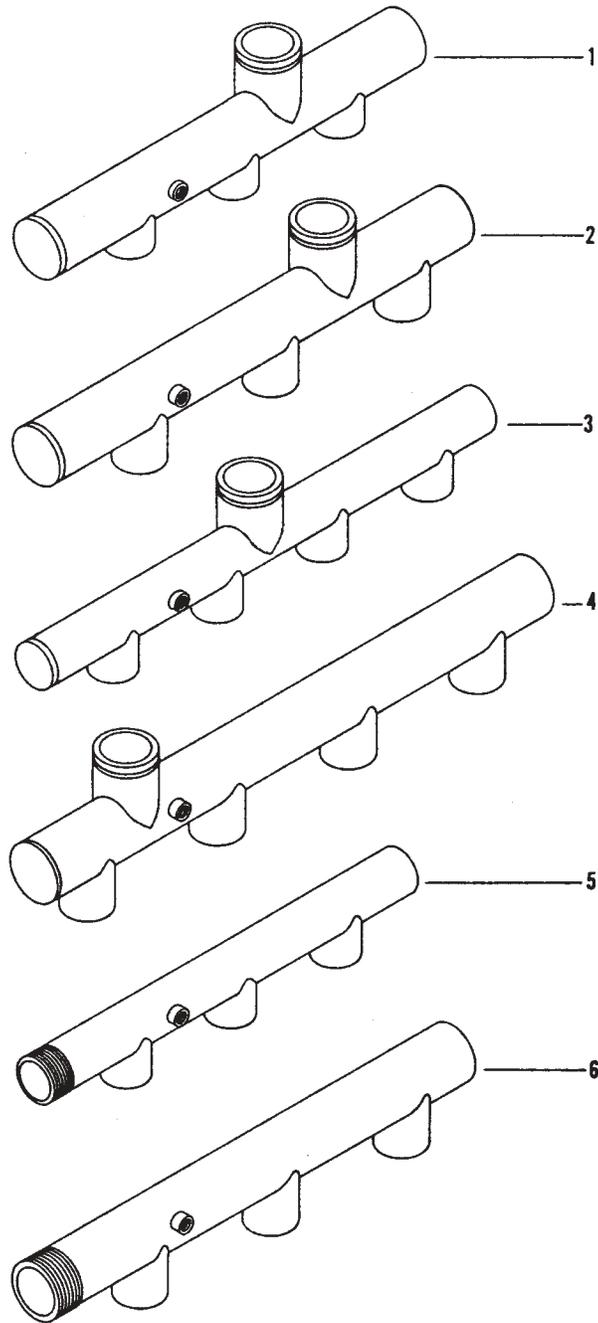
OPERATION NOTES:

1. Engine: Refer to Operation, Maintenance and Parts

Manual. Do not run when pump is dry or when filling. Do not operate at idling speed.

2. Pump: Lubricate every 90 working days. Use ball bearing grease sparingly in zerk fitting provided. DO NOT OVER LUBRICATE.
3. Keep nozzles clean. Any foreign material in nozzles causes spray to split.
4. Take nozzles off to clean. Clean by pushing foreign matter back, not by forcing through slot.
5. Keep slot surfaces smooth. Avoid scratching or hitting slot edges. Polish if necessary.
6. Drain Unit thoroughly before storing in temperatures below freezing.
7. Clean valves after storing for a long period.
8. Clean fill line strainer regularly.
9. Consult your dealer or write direct to factory if you have any special problems.

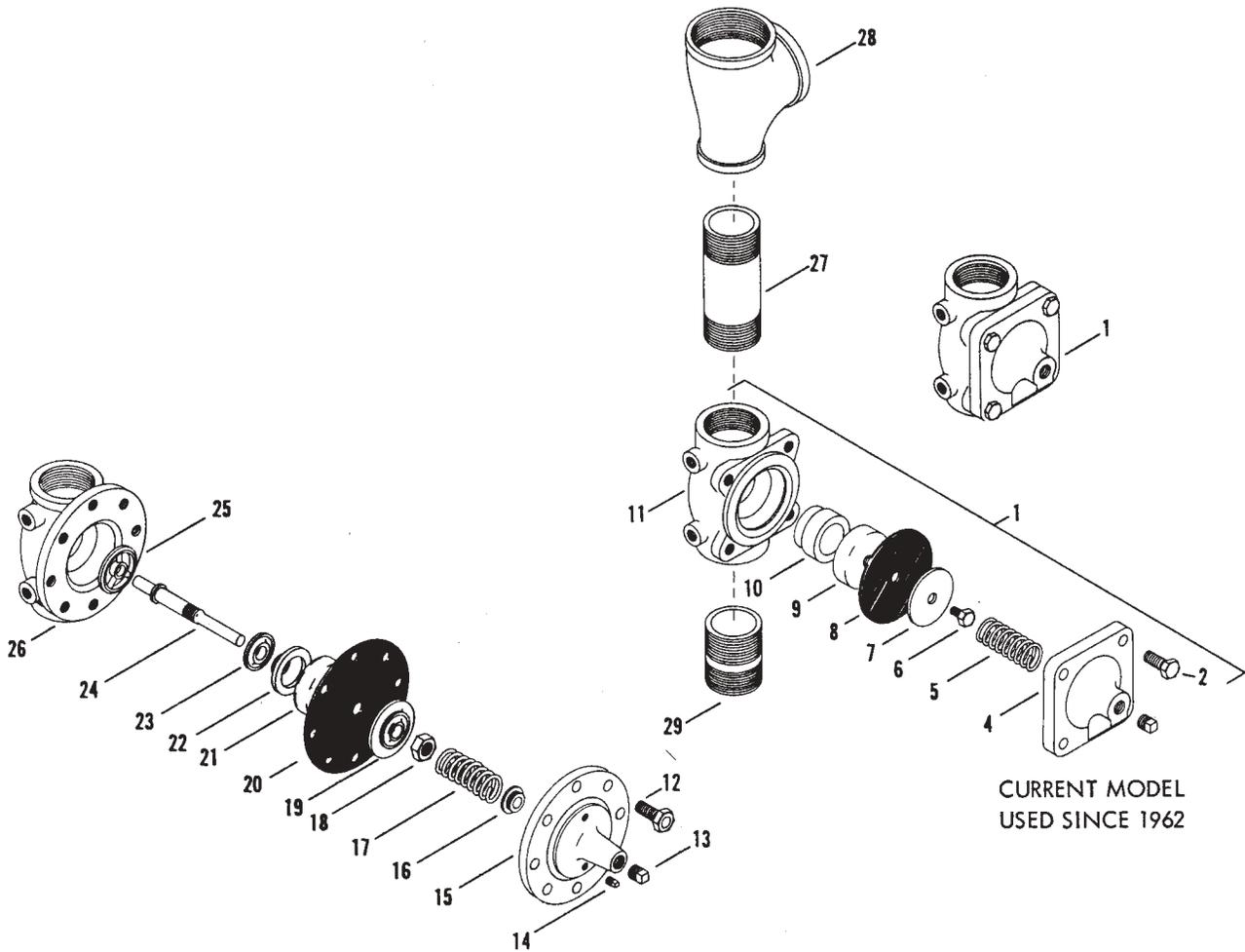
Control Headers



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940059	1	CONTROL HEADER ASSY-2 IN				
2	2940065	1	CONTROL HEADER ASSY-2.5 IN				
3	2940061	1	CONTROL HEADER ASSY-2 IN				
4	2940067	1	CONTROL HEADER ASSY-2.5 IN				
5	2940057	1	CONTROL HEADER ASSY-2 IN				
6	2940063	1	CONTROL HEADER ASSY-2.5 IN				

SPECIFY UNIT SERIAL NO., PART NO., & PART DESCRIPTION

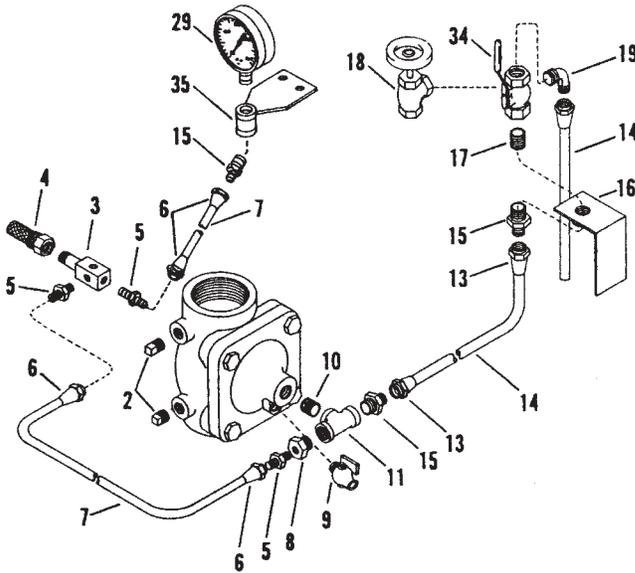
Control Valve



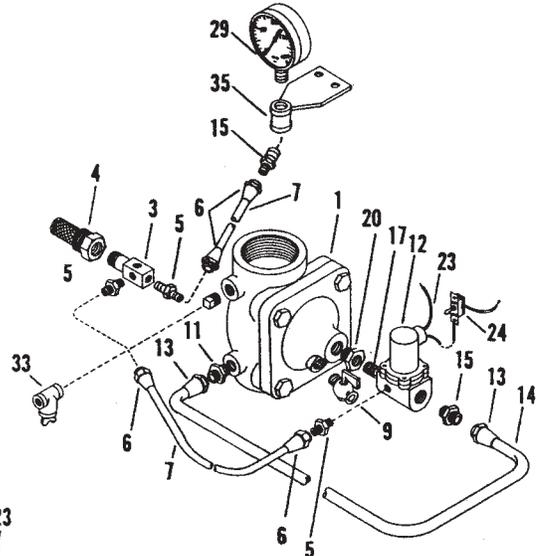
CURRENT MODEL
USED SINCE 1962

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940055	1	VALVE-2 IN	16	7430095	1	COVER BEARING-2 IN
	2940056	1	VALVE-2.5 IN		7430099	1	COVER BEARING-2.5 IN
2		4	STUD AND NUT-NOT SERVICED	17	7430041	1	SPRING-2 IN
3		1	CENTER PLUG-NOT SERVICED		7430101	1	SPRING-2.5 IN
4	7430078	1	VALVE COVER-2 IN	18	0120371	1	STEM NUT-2 IN
	7430079	1	VALVE COVER-2.5 IN		0121358	1	STEM NUT-2.5 IN
5	7430042	1	SPRING-2 IN	19	7430026	1	DIAPH WASHER-2.5 IN
	7430043	1	SPRING-2.5 IN		7430034	1	DIAPH WASHER-2 IN
6	7430072	1	STEM BOLT-2 IN	20	7430039	1	DIAPH-2.5 IN
	7430110	1	STEM BOLT-2.5 IN		7430040	1	DIAPH-2 IN
7	7430070	1	DIAPH WASHER-2 IN	21	7430035	1	DISC RETAINER-2 IN
	7430108	1	DIAPH WASHER-2.5 IN		7430027	1	DISC RETAINER-2.5 IN
8	7430069	1	DIAPH-2 IN	22	7430033	1	DISC-2 IN
	7430075	1	DIAPH-2.5 IN		7430102	1	DISC-2.5 IN
9	7430073	1	DISC RET ASM-2 IN	23	7430022	1	WASHER-2 IN
	7430074	1	DISC RET ASM-2.5 IN		7430020	1	WASHER-2.5 IN
10	7430071	1	SEAT-2 IN	24	7430032	1	STEM-2 IN
	7430109	1	SEAT-2.5 IN		7430025	1	STEM-2.5 IN
11	7430076	1	BODY-2 IN	25	7430031	1	SEAT-2 IN
	7430077	1	BODY-2.5 IN		7430029	1	SEAT-2.5 IN
12	7430096	8	BODY STUD-2 IN	26	7430098	1	BODY-2 IN
	7430104	8	BODY STUD-2.5 IN		7430106	1	BODY-2.5 IN
13		1	CENTER PLUG-NOT SERVICED	27		AR	PIPE NIPPLE-SPECIFY VALVE
14		2	COVER PLUG-NOT SERVICED	28		AR	REDUCING TEE-SPECIFY VALVE
15	7430046	1	COVER-2 IN	29		AR	PIPE NIPPLE-SPECIFY VALVE
	7430100	1	COVER-2.5 IN				A R -AS REQUIRED

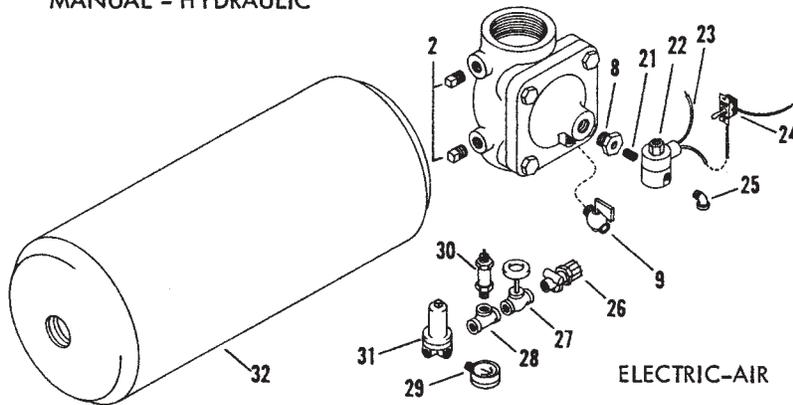
Valve Controls



MANUAL - HYDRAULIC



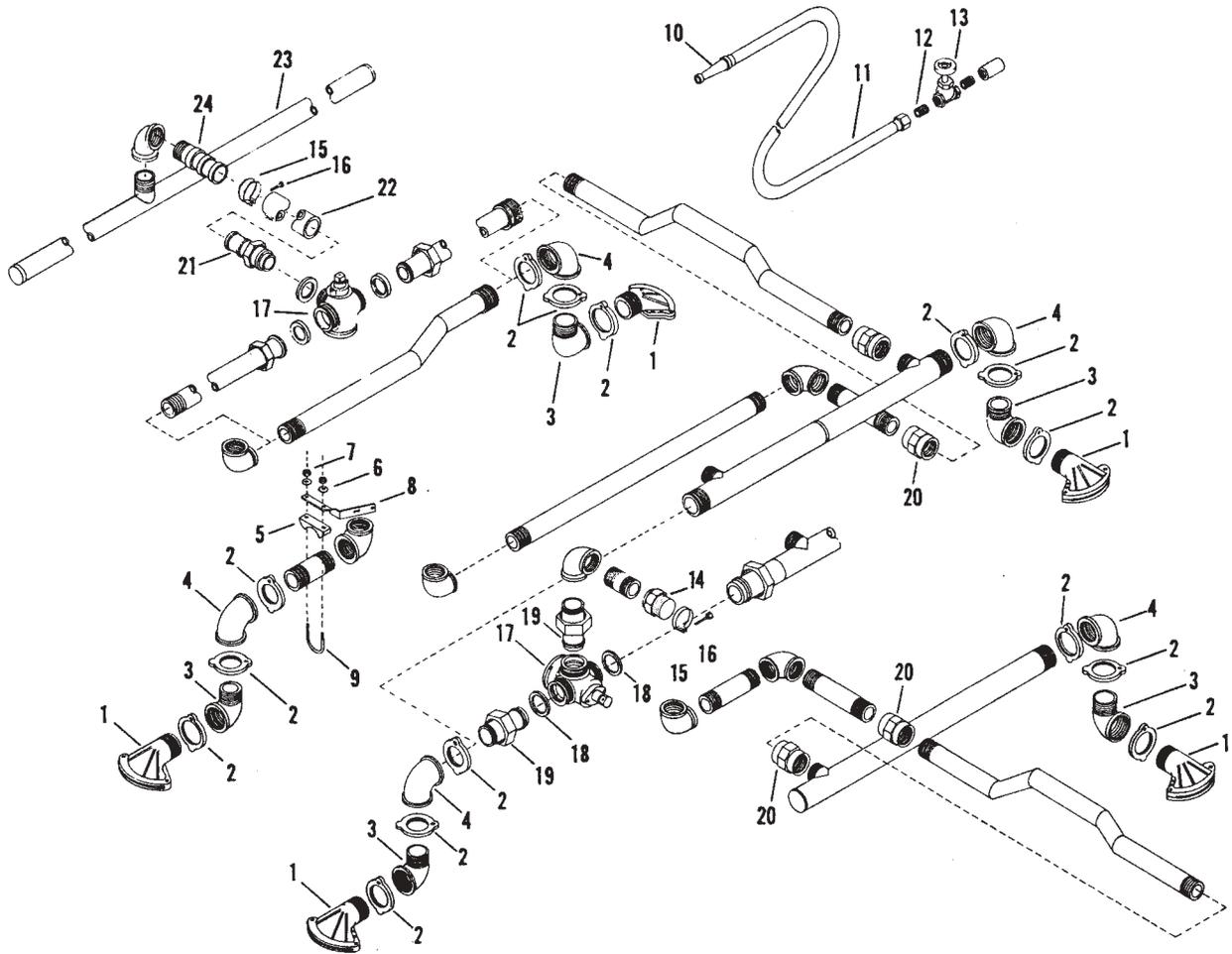
ELECTRIC HYDRAULIC



ELECTRIC-AIR

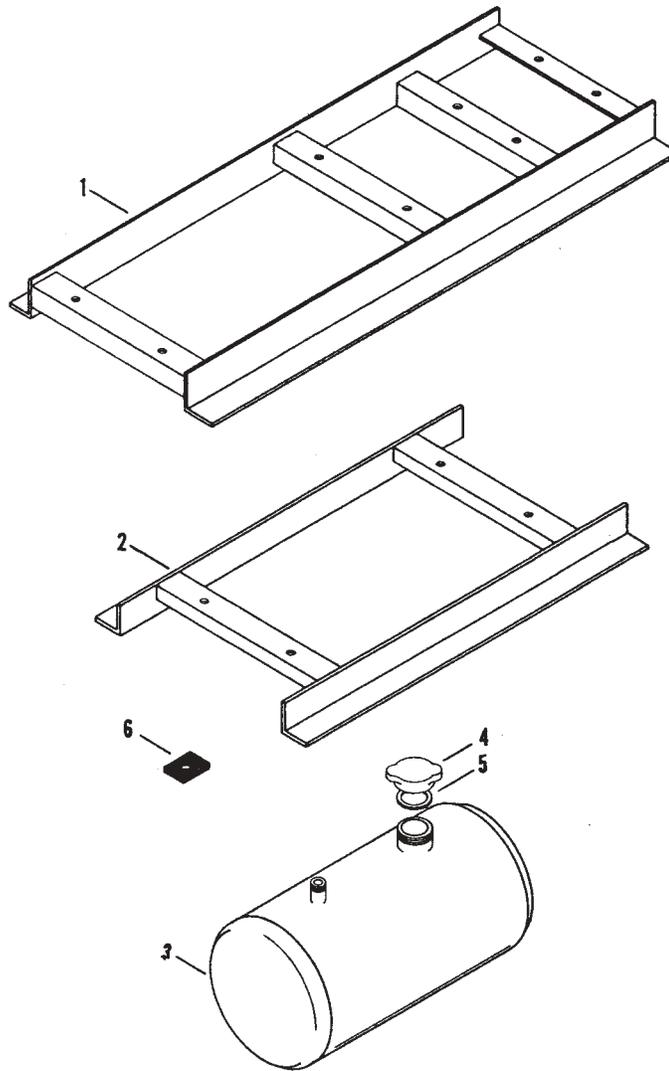
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940055	AR	CONTROL VALVE-2 IN	18	6600195	AR	VALVE
	2940056	AR	CONTROL VALVE-2.5 IN	19	0118757	AR	HALF UNION
2	0103867	AR	PIPE CONTROL	20	0142269	AR	RED BUSHING
3	2960054	AR	SINGLE STRAINER HEADER	21	0105405	AR	PIPE NIPPLE
4	6600462	AR	STRAINER	22	6600025	AR	AIR ELECTRIC SOLENOID VALVE
5	0110200	AR	HALF UNION	23		AR	LEAD WIRE-PROCURE LOCALLY
6	0118538	AR	FLARE NUT	24	6700161	AR	SWITCH
7		AR	COPPER TUBING-PROCURE LOCALLY	25	0105423	AR	STREET ELBOW
8	J116524	AR	RED BUSHING	26	6600304	AR	PRESS VALVE
9	6600162	AR	PETCOCK	27	6600194	AR	VALVE
10	0121208	AR	PIPE NIPPLE	28	0105417	AR	TEE
11	0142364	AR	RED TEE	29	6600168	AR	GAGE
12	2960026	AR	ELECTRIC HYDRAULIC VALVE	30	6600299	AR	SAFETY VALVE
13	0118541	AR	FLARE NUT	31	6600030	AR	PRESSURE REGULATOR
14		AR	COPPER TUBING-PROCURE LOCALLY	32	3360048	1	AIR BOTTLE ASSY
15	0118757	AR	HALF UNION	33	6600191	1	STRAINER
16	2960002	AR	VALVE BRKT-3 CONN	34	6600521	1	VALVE
	2960004	AR	VALVE BRKT-4 CONN	35	2960006	1	BRKT ASSY
17	0121207	AR	PIPE NIPPLE				

Nozzle Arrangements & Attachments



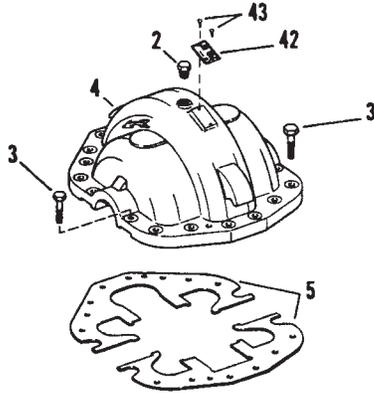
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940006	AR	NOZZLE ASSY	14	2940185	AR	SPRINKLER HEAD-RIGHT
2	2940005	AR	LOCKING RING	15	2940011	AR	BAND ASSY
3	2940014	AR	STREET ELBOW	16	0122040	AR	CAP SCREW
4	2940013	AR	FACED ELBOW	17	2940077	1	CENTER SECTION ASSY
5	6300001	AR	PIPE SADDLE 2 IN	18	3340027	AR	GASKET
	6300002	AR	PIPE SADDLE 2.5 IN	19	6000420	AR	RAILROAD UNION
	6300007	AR	PIPE SADDLE 3 IN	20	6000419	AR	RAILROAD UNION
6	0120382	AR	LOCK WASHER	21	2990008	AR	ADAPTOR
7	0120377	AR	HEX NUT	22	6600319	AR	HOSE
8	2940015	AR	RIGHT NOZZLE BRACE	23	2940076	1	SPRAY BAR ASSY
9	3390085	AR	PIPE CLIP 2 IN	24	2940169	1	HOSE ADAPTOR ASSY
	2990001	AR	PIPE CLIP 2.5 IN				
	3300054	AR	PIPE CLIP 3 IN				
	2990003	AR	PIPE CLIP 4 IN				
10	6600474	1	NOZZLE				
11	6600182	1	HOSE				
12	0427242	1	NIPPLE				
13	6600181	1	VALVE 1 IN				
14	2940184	AR	SPRINKLER HEAD-LEFT				
							A R -AS REQUIRED

Engine Mounts & Fuel Tank

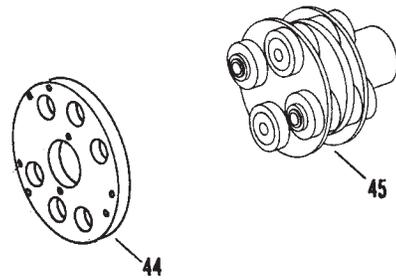
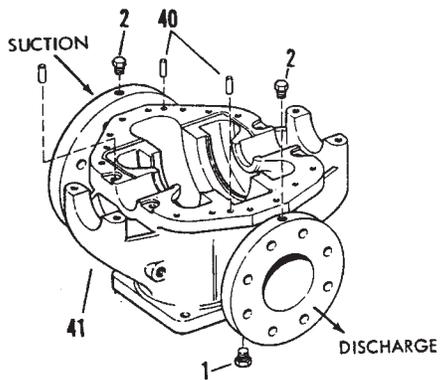
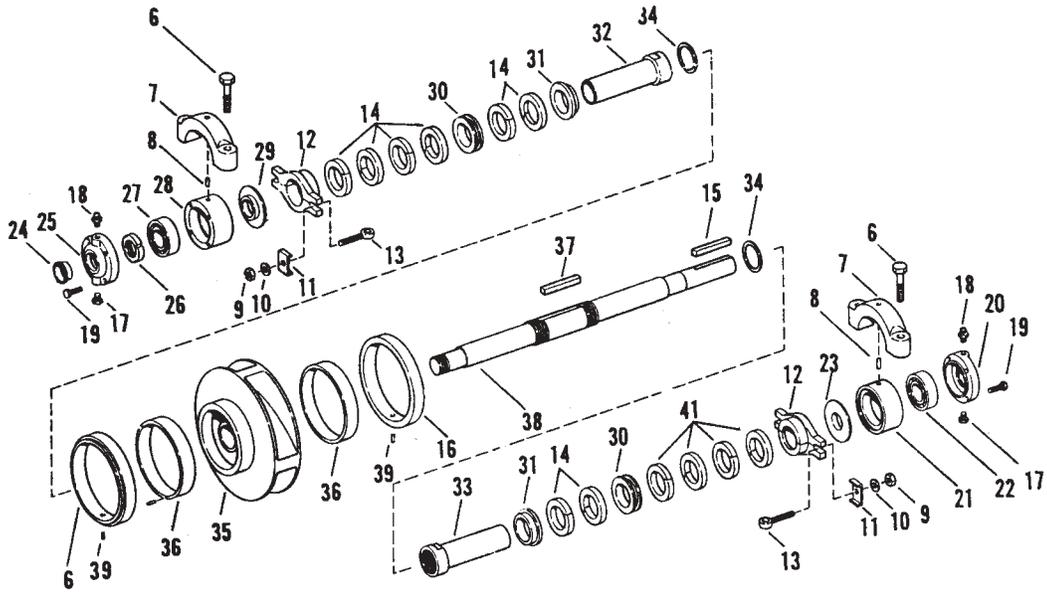


REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2920066	1	PUMP AND ENGINE BASE- 240-OJ 4X 5				
2	2920018	1	ENGINE BASE-240 -4 E IS				
3	2920033	1	FUEL TANK ASSY				
4	3330025	1	CAP				
5	3330027	1	GASKET				
6	2290011	AR	RUBBER ENGINE MOUNT				
			A R -AS REQUIRED				

Double Suction Pump - Model OJ 4 x 5 - 6600388



IMPORTANT NOTE
 WHEN ORDERING PARTS THE
 COMPLETE PUMP SERIAL NO.
 MUST BE GIVEN.

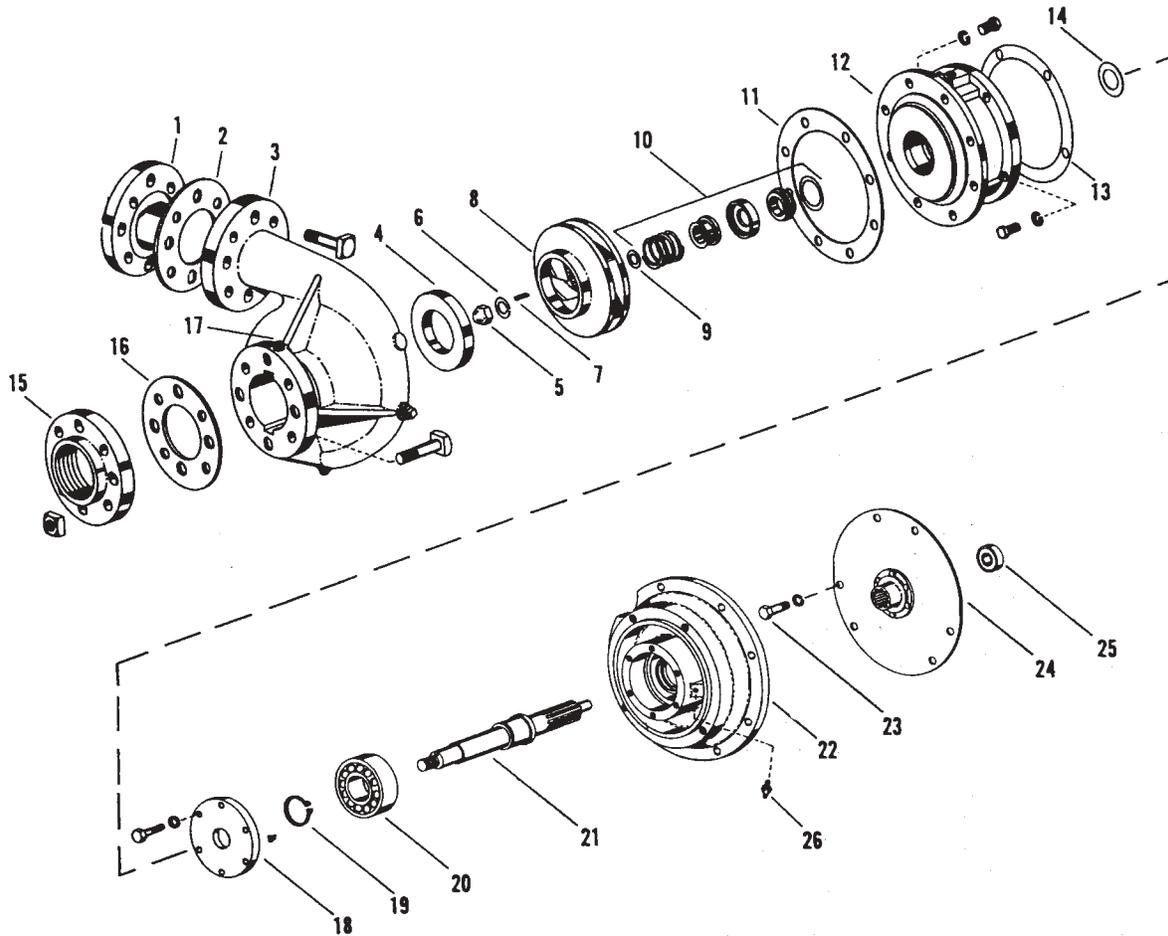


Double Suction Pump - Model OJ 4 x 5 - 6600388

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	7020051	2	PIPE PLUG				
2	7020052	3	PIPE PLUG				
3	7020053	16	CAPSCREW-UPPER CASING				
4	7020054	1	UPPER CASING SINGLE SEAL				
	7020055	1	UPPER CASING DOUBLE SEAL				
5	7020056	1	CASING GASKET				
6	7020057	4	BEARING CAP CAPSCREW				
7	7020058	2	BEARING CAP				
8	7020059	2	BEARING CAP PIN				
9	7020062	4	SWING BOLT NUT				
10	7020061	4	WASHER				
11	7020062	4	GLAND CLAMP				
12	7020063	2	STANDARD PACKING GLAND				
	7020064	2	STANDARD SINGLE SEAL GLAND				
	7020065	2	DOUBLE SEAL GLAND				
	7020066	2	BALANCED SINGLE SEAL GLAND				
13	7020067	4	SWING BOLT				
14	7020068	10	PACKING				
15	7020069	1	DRIVE SHAFT KEY				
16	7020070	2	RING				
17	7020071	2	PIPE PLUG				
18	7020072	2	GREASE FITTING				
19	7020073	8	CAPSCREW				
20	7020074	1	CARTRIDGE CAP				
21	7020075	1	BEARING CARTRIDGE				
22	7020076	1	SINGLE ROW BALL BEARING				
	7020077	1	DOUBLE ROW BALL BEARING				
23	7020078	1	WATER SLINGER				
24	7020079	1	SHAFT END PROTECTOR				
25	7020080	1	STANDARD CARTRIDGE CAP				
	7020081	1	TANDEM CARTRIDGE CAP				
26	7020082	1	LOCK NUT				
27	7020083	1	SINGLE ROW BALL BEARING				
	7020084	1	DOUBLE ROW BALL BEARING				
28	7020085	1	SINGLE ROW BEARING				
			CARTRIDGE				
	7020086	1	DOUBLE ROW BEARING				
			CARTRIDGE				
29	7020087	1	SINGLE ROW WATER SLINGER				
	7020088	1	DOUBLE ROW WATER SLINGER				
30	7020089	2	LANTERN RING				
31	7020090	2	PACKING BUSHING				
32	7020091	1	STANDARD SHAFT SLEEVE				
	7020092	1	SHAFT SLEEVE				
33	7020093	1	STANDARD SHAFT SLEEVE				
	7020094	1	SHAFT SLEEVE				
34	7020095	2	SLEEVE GASKET				
35	7020096	1	IMPELLER				
36	7020097	2	IMPELLER RING				
37	7020098	1	IMPELLER KEY				
38	7020099	1	SHAFT-RH				
	7020100	1	SHAFT-LH				
	7020101	1	SHAFT-RH				
	7020102	1	SHAFT LH				
39	7020103	2	WEARING RING PIN				
40	7020104	2	GUIDE PIN				
41	7020105	1	LOWER CASING				
	7020106	1	LOWER CASING				
	7020107	1	LOWER CASING				
	7020108	1	LOWER CASING				
42	7020109	1	NAMEPLATE				
43	7020110	2	SCREW				
44	2920069	1	ADAPTOR PLATE				
45	6445010	1	MORFLEX COUPLING				

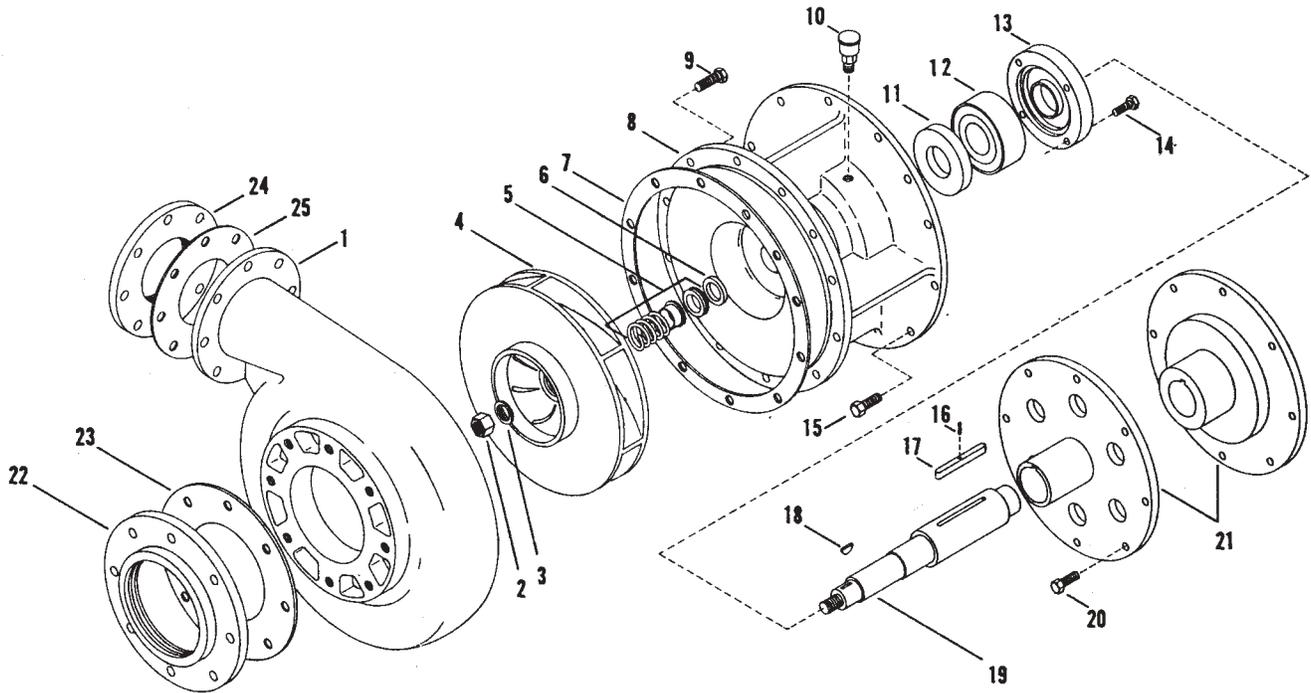
IMPORTANT NOTE
 WHEN ORDERING PARTS THE
 COMPLETE PUMP SERIAL NO.
 MUST BE GIVEN.

Single Suction Pump - Model 4EIS - 6600263



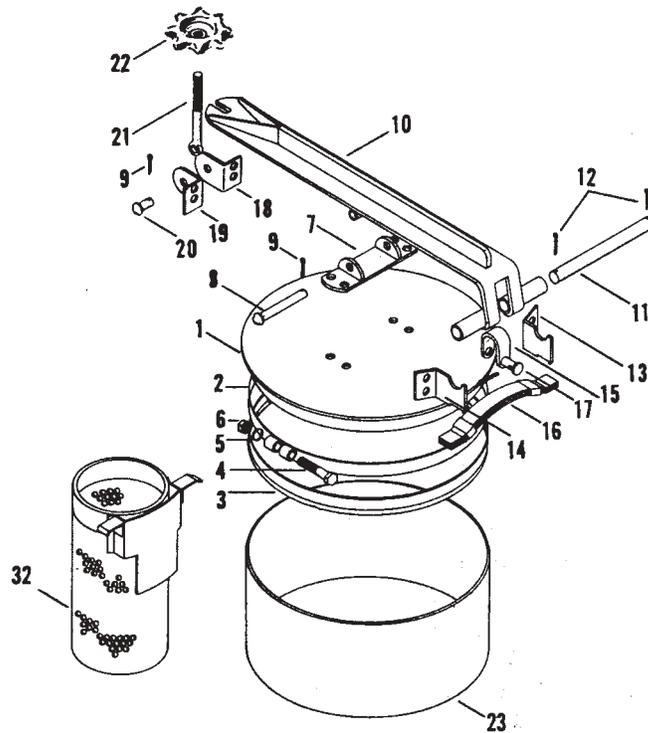
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940051	1	VALVE SEAT	17	7020177	1	PIPE PLUG
2	2940053	1	GASKET	18	7020125	1	BEARING CAP
3	7020120	1	VOLUTE	19	7020124	1	RETAINING RING
4	7020121	1	WEAR RING	20	7020137	1	BEARING
5	7020142	1	IMPELLER NUT	21	7020012	1	SHAFT
6	7020141	1	WASHER	22	7020123	1	ADAPTOR
7	7020134	1	KEY	23	0122017	6	CAP SCREW
8	7020144	1	IMPELLER-CAST	24	7300017	1	DRIVE PLATE
	7020176	1	IMPELLER-BRONZE	25	7300005	1	BEARING
9	7020003	1	SHIM	26		1	GREASE FITTING-NOT SERVICED
10	7020135	1	SEAL ASSY				
11	7020131	1	GASKET				
12	7020122	1	LANTERN				
13	7020001	1	SHIM				
14	7020126	1	COLLAR				
15	2940050	1	FLANGE				
16	2940054	1	GASKET				

Single Suction Pump - Model GME - 7020151



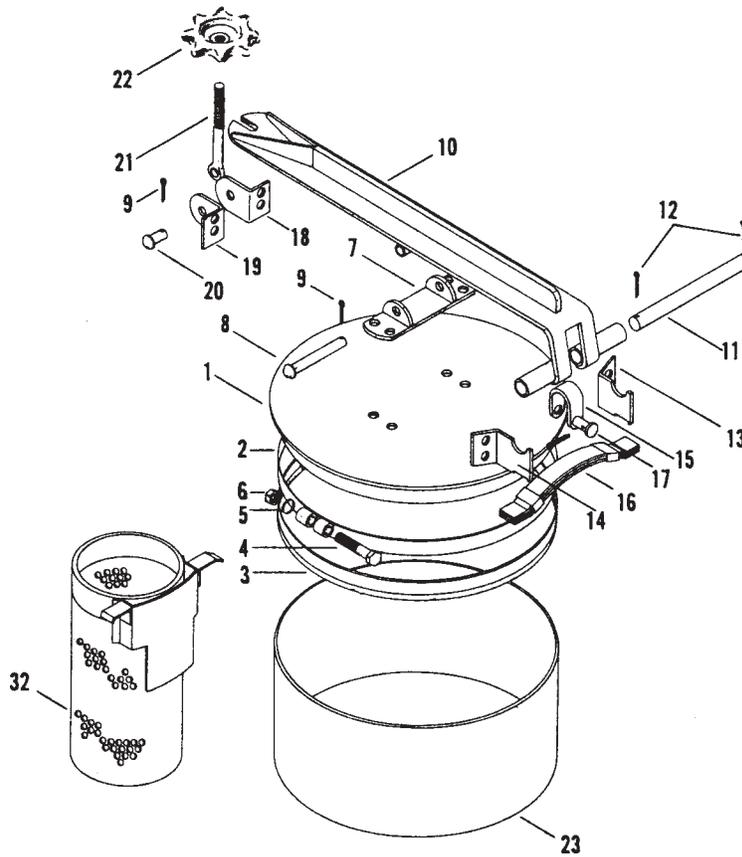
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	7020147	1	SHELL	19	7020035	1	SHAFT
2	7210010	1	NUT	20	0122027	8	CAP SCREW
3	7210009	1	WASHER	21	2940181	1	FLYWHEEL CPLG-USE WITH FORD
4	7020148	1	IMPELLER		2940190	1	FLYWHEEL CPLG-WITH HERCULES
5	7020038	1	ROTATOR ASSY	22	2940050	1	BOLTING FLANGE
6	7020039	1	GREASE SEAL	23	2940054	1	FLANGE GASKET
7	7020149	1	SHELL GASKET	24	2940051	1	FLANGE
8	7020158	1	BEARING BRACKET	25	2940052	1	FLANGE GASKET
9		12	CAP SCREW-NOT SERVICED SEPER				
10	7020157	2	GREASE FITTING				
11	7020146	1	SLINGER COLLAR				
12	7020036	1	BALL BEARING				
13	7020034	1	CAP BEARING				
14	7020178	4	CAP SCREW				
15	0122145	12	CAP SCREW				
16	7220023	1	LOCK SCREW				
17	7220022	1	KEY				
18	7220021	1	KEY				

Manhole - 16 Inch - 3300107



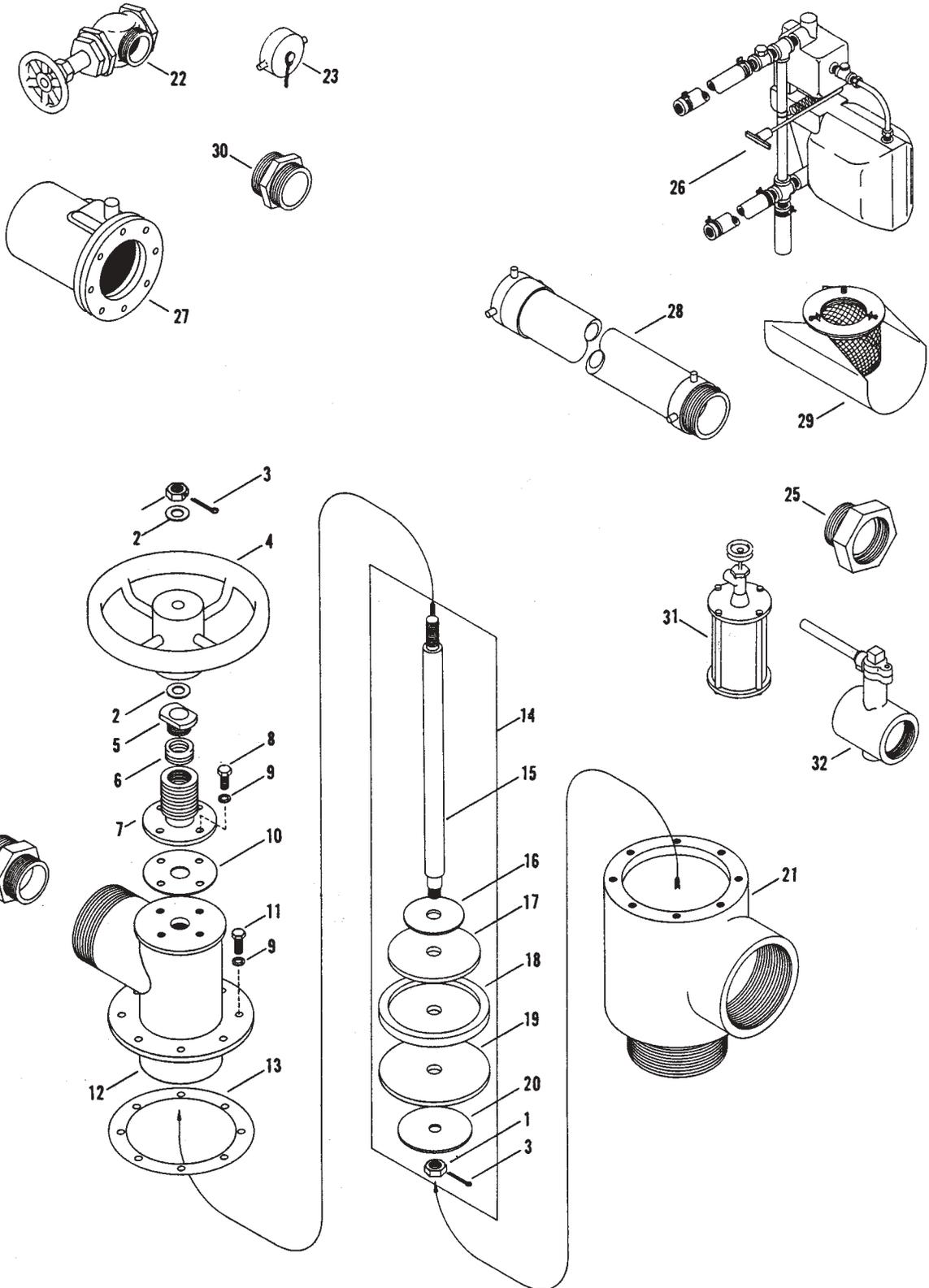
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
	3300107		MANHOLE COMPLETE	16	3300128	1	SPRING RELEASE
	7100001		MANHOLE COMPL WITH RELIEF VLV	17	3300294	1	YOKE PIN
1	3300299	1	COVER ASSY WITH RELIEF VALVE	18	3300148	1	LEFT LATCH BEARING
	3300298	1	COVER ASSY COMPLETE	19	3300149	1	RIGHT LATCH BEARING
	3300113	1	MANHOLE COVER ASSY	20	3300293	1	LATCH PIN
2	3300116	1	GASKET RING ASSY	21	3300150	1	LATCH BOLT
3	6600333	1	GASKET	22	3300120	1	HANDWHEEL
4	0122083	1	CAP SCREW	23	2750057	1	16 IN COLLAR-NOT SERVICED
5	0120214	1	LOCK WASHER	24	0120371	1	HEX NUT
6	0120376	1	HEX NUT	25	3300227	1	VALVE STEM CAP
7	3300122	1	BEARIN ASSY	26	3300306	1	SPRING
8	3300125	1	COVER PIN	27	3300222	1	BODY
9	0103373	3	COTTER PIN	28	3300223	1	STEM
10	3300108	1	TONGUE ASSY	29	3300226	1	NIPPLE
11	3300121	1	HINGE PIN	30	3300224	1	BEVEL PLUG
12	0103374	2	COTTER PIN	31	0120368	1	HEX NUT
13	3300018	1	LEFT BRACKET	32	2940151	1	BRASS STRAINER
14	3300019	1	RIGHT BRACKET				
15	3300127	1	SLEEVE YOKE				

Manhole - 20 Inch - 3300135



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
	3300135	1	MANHOLE-COMplete	17	3300294	1	YOKE PIN
	7100003	1	MANHOLE COMPL WITH RELIEF VLV	18	3300148	1	LEFT LATCH BEARING
1	3300142	1	COVER ASSY	19	3300149	1	RIGHT LATCH BEARING
	3300302	1	COVER ASSY WITH RELIEF VALVE	20	3300293	1	LATCH PIN
2	3300146	1	GASKET RET RING ASSY	21	3300150	1	LATCH BOLT
3	6600334	1	GASKET	22	3300120	1	HANDWHEEL
4	0122083	1	SCREW	23	3300159	1	20 IN COLLAR-NOT SERVICED
5	0120214	1	WASHER	24	0120369	1	HEX NUT
6	0120376	1	NUT ASSY	25	3300227	1	VALVE STEM CAP
7	3300122	1	BEARING	26	3300306	1	SPRING
8	3300125	1	COVER PIN	27	3300222	1	BODY
9	0103373	3	PIN	28	3300223	1	STEM
10	3300136	1	TONGUE ASSY	29	3300226	1	NIPPLE
11	3300121	1	HINGE PIN	30	3300224	1	BEVEL PLUG
12	0103374	2	PIN	31	0120368	1	HEX NUT
13	3300018	1	LEFT HINGE COLLAR BRACKET	32	2940151	1	BRASS STRAINER
14	3300019	1	RIGHT HINGE COLLAR BRACKET				
15	3300127	1	SLEEVE YOKE				
16	3300151	1	SPRING ASSY				

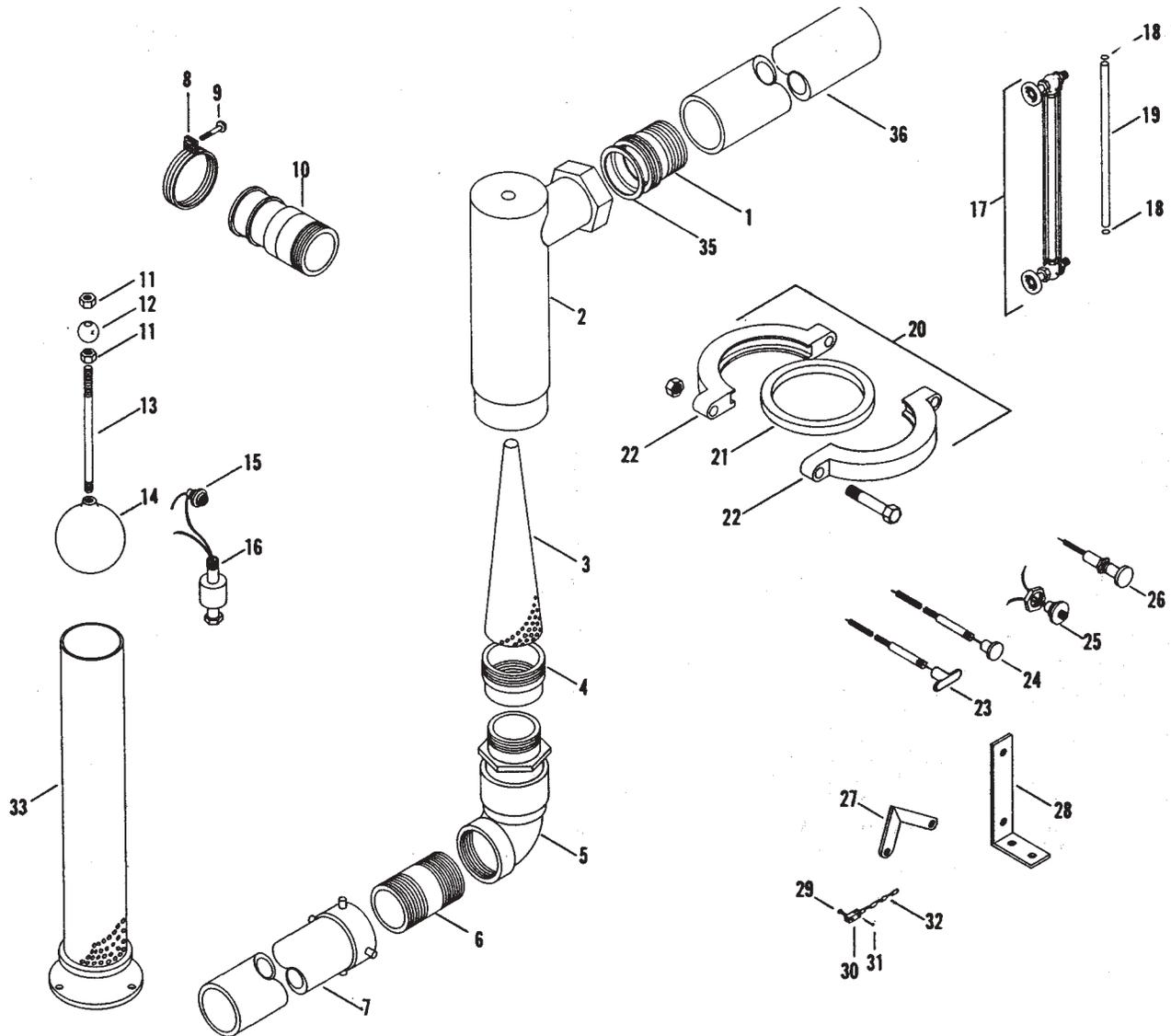
Booster Valve & Attachments



Booster Valve & Attachments

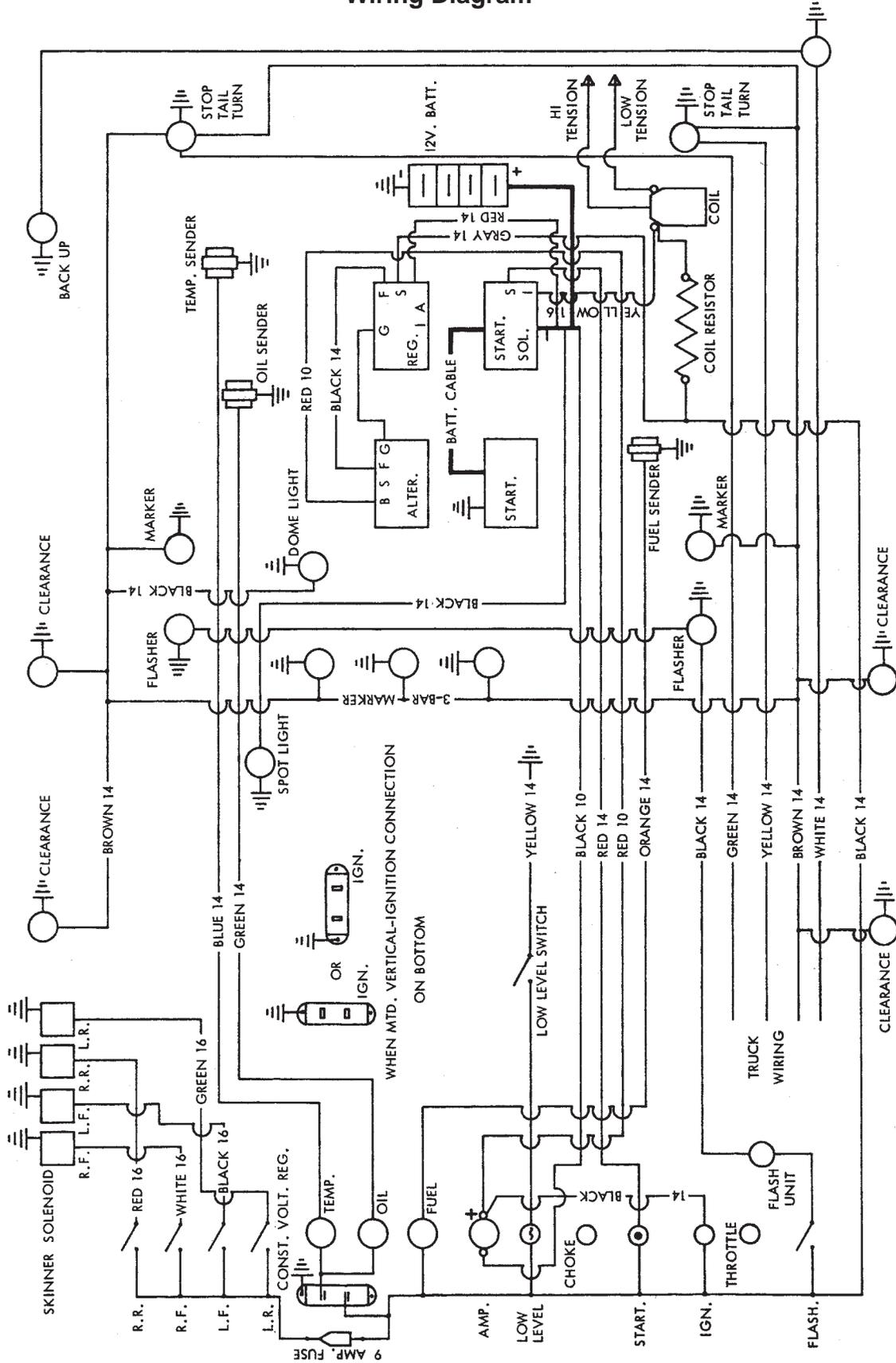
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6000390	2	NUT				
2	6100028	2	WASHER				
3	0103388	2	COTTER PIN				
4	3340417	1	HANDWHEEL				
5	3340436	1	PACKING NUT				
6	3340474	1	PACKING				
7	3340418	1	FLANGED TANK CONNECTION				
8	0122119	4	CAPSCREW				
9	6600587	AR	WASHER				
10	2940117	1	RUBBER GASKET				
11	0120233	8	SCREW				
12	2940103	1	HOSE CONNECTION ASSY				
13	2940116	1	VALVE BODY GASKET				
14	2940109	1	VALVE STEM AND DISC ASSY				
15	2940111	1	VALVE STEM SHAFT				
16	2940112	1	SMALL HOLDING DISC				
17	2940114	1	UPPER RUBBER DISC				
18	2940110	1	VALVE STEM DISC				
19	2940115	1	LOWER RUBBER DISC				
20	2940113	1	LARGE HOLDING DISC				
21	2940096	1	GLOBE VALVE BODY ASSY				
22	6600171	1	VALVE-2.5 IN NST THREAD				
	6600170	1	VALVE-2.5 IN NPT THREAD				
23	6600172	1	CAP AND CHAIN-2.5 IN				
	6600174	1	CAP AND CHAIN-3 IN				
24	2940093	1	VALVE HOSE ADAPTER-3 IN				
25	2940094	1	HOSE STRAINER ADAPTOR-3 IN				
26	6600176	1	VACUUM PRIMER				
27	7020007	1	CHECK VALVE				
28	6600173	1	SUCTION HOSE				
29	6600175	1	SUCTION STRAINER				
30	2940121	1	ADAPTOR-2.5 IN				
31	6600177	1	MANIFOLD PRIMER				
32	6600066	1	BUTTERFLY VALVE-2 IN				
	6600067	1	BUTTERFLY VALVE-2.5 IN				
	6600163	1	BUTTERFLY VALVE-3 IN				
			A R -AS REQUIRED				

Miscellaneous Items



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	2940028	1	PIPE STRAINER ADAPTER ASSY	19	6600501	1	GLASS TUBE-12 IN
2	2940023	1	STRAINER BODY ASSY	20	6600156	AR	COUPLING-3 IN WITH GASKET
3	2940030	1	STRAINER	21	6600160	AR	COUPLING-5 IN WITH GASKET
4	6200041	1	RED BUSHING	22	6600157	AR	GASKET-3 IN
5	6600165	1	SWING JOINT		6600161	AR	GASKET-5 IN
6		1	NIPPLE-SPECIFY LENGTH	22	6600629	AR	COUPLING-3 IN
7	2990200	1	FILL HOSE		6600628	AR	COUPLING-5 IN
8	6000279	AR	HOSE CLAMP-2.5 IN	23	6400037	1	THROTTLE CONTROL-FO-31 AND FO-41A
	6000581	AR	HOSE CLAMP-4.75 IN	24	6400033	1	CHOKE CONTROL
	6000580	AR	HOSE CLAMP 4.125 IN	25	6400046	1	START BUTTON
9	0422421	1	SREW	26	6700188	1	IGNITION SWITCH
10	2990007	AR	HOSE NIPPLE ASSY	27	2920068	1	THROTTLE LEVER ASSY
11	0120375	2	NUT	28	2920067	1	CHOKE AND THROTTLE BRACKET
12	6000502	1	PING PONG BALL	29	0132688	2	SCREW
13	2960047	1	INDICATOR SHAFT-11 IN	30	3320393	2	CHAIN CONNECTOR
	2960048	1	INDICATOR SHAFT-14 IN	31	0103373	2	COTTER PIN
14	6600180	1	TOILET FLOAT	32		1	CHAIN
15	6700072	1	PILOT LIGHT	33	2900003	1	FILL STRAINER ASSY
16	6700190	1	INDICATOR SWITCH	34	2900031	1	BOTTOM PLATE
17	6600179	1	WATER GAUGE	35	6600208	1	GASKET
	2960051	1	FLOAT FILL INDICATOR ASSY	36			HOSE-SPECIFY LENGTH
18	6600502	2	WATER GASKET				A R -AS REQUIRED
19	6600500	1	GLASS TUBE-10 IN				

Wiring Diagram



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New Part No.	Old Part No.	Page	New Part No.	Old Part No.	Page	New Part No.	Old Part No.	Page
0103373	ZCP1A-3	16	2940051	FHD-96	15	3300125	T203-10	17
0103373	ZCP1A-3	17	2940052	FHD-96G	15	3300127	T203-11-1	16
0103373		20	2940053	FHD-100	14	3300127	T203-11-1	17
0103374	ZCP1-4	16	2940054	FHD-101	14	3300128	T203-12A	16
0103374	ZCP1-4	17	2940054	FHD-101	15	3300135	T-227A	17
0103388		18	2940055	FHD102-200	8	3300136	T227-1A	17
0103867		9	2940055	FHD102-200	9	3300142	T227-2A	17
0105405		9	2940056	FHD102-250	8	3300146	T227-3A	17
0105417		9	2940056	FHD102-250	9	3300148	T227-4L	16
0105423		9	2940057	FHD-103A	7	3300148	T227-4R	17
0110200	48F-45	9	2940059	FHD-104A	7	3300149	T227-4R	16
0116524		9	2940061	FHD-106A	7	3300149	T227-4R	17
0118538	41F-5L	9	2940063	FHD-107A	7	3300150	T227-6	16
0118541		9	2940065	FHD-108A	7	3300150	T227-6	17
0118757		9	2940067	FHD-109A	7	3300151	T227-12A	17
0118757		9	2940076	FHD-115A	10	3300159	T227-14A-7	17
0120214	Z5-LW	16	2940077	FHD115-1A	10	3300221	T-329A	16
0120214	Z5-LW	17	2940093	FSF-10	18	3300221	T-329A	17
0120233		18	2940094	FSF-11	18	3300222	T329-1	16
0120368	ZF5-N	16	2940096	FSF12-1A	18	3300222	T329-1	17
0120368	ZF5-N	17	2940103	FSF12-2A	18	3300223	T329-2	16
0120369	ZF6-N	17	2940109	FSF12-3A	18	3300223	T329-2	17
0120371		8	2940110	FSF12-3-1	18	3300224	T329-3	16
0120371	ZF8-N	16	2940111	FSF12-3-2	18	3300224	T329-3	17
0120375		20	2940112	FSF12-3-3	18	3300226	T329-5	16
0120376	ZC5-N	16	2940113	FSF12-3-4	18	3300226	T329-5	17
0120376	ZC5-N	17	2940114	FSF12-3-5	18	3300227	T329-6	16
0120377		10	2940115	FSF12-3-6	18	3300227	T329-6	17
0120382		10	2940116	FSF12-4G	18	3300293	T227-5	16
0120382	ZLW-6	18	2940117	FSF12-56	18	3300293	T227-5	17
0121207		9	2940121	FSF-13	18	3300294	T118	16
0121208		9	2940151	MS-356AB	16	3300294	T118-11	17
0121358		8	2940151		17	3300298	T203-2AA	16
0122017		14	2940169	FHD-131A	10	3300299	T203-2AA-R	16
0122027		15	2940181	FHM-51A	15	3300302	T227-2AA-R	17
0122040		10	2940184	FHD-17BL	10	3300306	T226-5	16
0122083	ZC5-11	16	2940185	FHD-17BR	10	3300306	T226-5	17
0122083	ZC5-11	17	2940190	FHM-61	15	3320393	HM105-1	20
0122119		18	2960002	FO-20-1-1A-3	9	3330025	H-48	11
0122145		15	2960004	FO-20-1-1A-4	9	3330027	H-49	11
0132688		20	2960006	FO-36A	9	3340027	HD-58G	10
0142269		9	2960026	FO43-1A	9	3340417	V-18	18
0142364		9	2960047	FTG5-2-1-11	20	3340418	V-19A	18
0422421		20	2960048	FTG5-2-1-14	20	3340436	V-25	18
0427242		10	2960051	FTG-5AA	3	3340474	V-36-11	18
2290011	FFM-6	11	2960051	FTG-5AA	20	3360048	O-112A	9
2750057	T118-14	16	2960054	FO-52A	9	3390085	MS-188	10
2900003	FT1-3AB	20	2990001	FMS-10	10	6000279	FMS-27	20
2900031	FT11-4	20	2990003	FMS-24	10	6000390		18
2920018	FFM-18A	11	2990007	FMS-35A	20	6000419	X32 RU	10
2920033	FFM-26A	11	2990008	FMS35-1	10	6000420	X40 RU	10
2920066	FFM-43A	11	2990200	FMS-14A	20	6000502	FTG5-2-2	20
2920067	FFM-44	20	3300018	T118-13L	16	6000580		20
2920068	FFM-45A	20	3300018	T118-13L	17	6000581		20
2920069		12	3300019	T118-13R	16	6100028	V-34	18
2940005	FHD-15B	10	3300019	T118-13R	17	6200041	X48-40RB	20
2940006	FHD-16AB	3	3300054	T-141	10	6300001	R-2P	10
2940006	FHD-16AB	10	3300107	T-203A	16	6300002	R-2-1-2P	10
2940011	FHD17-1-1A	10	3300108	T203-1A	16	6300007	R-111	10
2940013	FHD-21G	10	3300113	T203-2A	16	6400033	FM51C-36	20
2940014	FHD-22G	10	3300116	T203-3A	16	6400037	FA151T-36	20
2940015	FHD-29	10	3300120	T203-7	16	6400046		20
2940023	FHD74-1A	20	3300120	T203-7	17	6445010	FHM49-2A	12
2940028	FHD74-4A	20	3300121	T203-8	16	6600025	4200005	9
2940030	FHD74-5	20	3300121	T203-8	17	6600030	400020	9
2940050	FHD-95	14	3300122	T203-9A	16	6600066	FHD113A-200	18
2940050	FHD-95	15	3300122	T203-9A	17	6600067	FHD113A-250	18
2940051	FHD-96	14	3300125	T203-10	16	6600156		20

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6600157	FHD79-3G	20	7020061		12	7020149	AU-GME-23	15
6600160		20	7020062		12	7020157	AU-GME-14	15
6600161	FHD79-5G	20	7020062		12	7020158	AU-GME-31	15
6600162	FHD-91	9	7020063		12	7020176	MP-31171-06	14
6600163	FHD113A-300	18	7020064		12	7020177	MP-16433	14
6600165	FMS-11	20	7020065		12	7020178	AU-GME-18	15
6600168	FO-13	9	7020066		12	7100001		16
6600170	FSC-1	18	7020067		12	7100003	T-227A-RV	17
6600171	FSC-3	18	7020068		12	7210009	AU-GME-3	15
6600172	FSC-4	18	7020069		12	7210010	AU-GME-22	15
6600173	FSF-5	18	7020070		12	7220021	AU-GME-4	15
6600174	FSF-16A	18	7020071		12	7220022	AU-GME-69	15
6600175	FSF-19	18	7020072		12	7220023	AU-GME-70	15
6600176	FSF-7A	18	7020073		12	7300005	FD-70-7600-B	14
6600177	FSF-20	18	7020074		12	7300017	FD-BGP-7278A	14
6600179	FTG-2A	20	7020075		12	7430020	TV-631	8
6600180	FTG5-4	20	7020076		12	7430022	TV-5232	8
6600181	FTS-1	10	7020077		12	7430025	TV-5433	8
6600182	FTS-3	10	7020078		12	7430026	TV-5434	8
6600191	H-62	9	7020079		12	7430027	TV-5436	8
6600194	H-65	9	7020080		12	7430029	TV-5439	8
6600195	H-66	9	7020081		12	7430031	TV-5496	8
6600208	HD51-G	20	7020082		12	7430032	TV-5499	8
6600299	N-1178	9	7020083		12	7430033	TV-5564	8
6600304	O123-1	9	7020084		12	7430034	TV-6873	8
6600319	FM4-40	10	7020085		12	7430035	TV-6874	8
6600333	T118-2	16	7020086		12	7430039	TV-C-1482	8
6600334	T227-2G	17	7020087		12	7430040	TV-C-1493	8
6600462	C-9042	9	7020088		12	7430041	TV-C-3147	8
6600474	FTS-4	10	7020089		12	7430042	TV-C-3152	8
6600500		20	7020090		12	7430043	TV-C-3153	8
6600501		20	7020091		12	7430046	TV-C-7418	8
6600502		20	7020092		12	7430069	33877	8
6600521		9	7020093		12	7430070	33878	8
6600628	FHD79-5	20	7020094		12	7430071	33879	8
6600629	FHD79-3	20	7020095		12	7430072	33880	8
6700038	EL-3A	3	7020096		12	7430073	33881	8
6700039	E-3-R	3	7020097		12	7430074	34095	8
6700039	EL-3R	3	7020098		12	7430075	35011	8
6700068	EL-24R	3	7020099		12	7430076	33876	8
6700072	EL-27	20	7020100		12	7430077	34092	8
6700082	EL-39	3	7020101		12	7430078	33875	8
6700083	EL-40	3	7020102		12	7430079	34091	8
6700093	EL-13-1	3	7020103		12	7430095	C-7371	8
6700094	EL-13-2	3	7020104		12	7430096	C-4873	8
6700161	EW-50	9	7020105		12	7430098	C-7634	8
6700188	FM-50I	20	7020106		12	7430099	C-7378	8
6700190	FTG6-1A	20	7020107		12	7430100	C-7622	8
6700229		3	7020108		12	7430101	C-3148	8
6700229		3	7020109		12	7430102	TV-1637	8
7020001	MP-15669	14	7020110		12	7430104	TV-6905	8
7020003	MP-21547	14	7020120	MP-21831	14	7430106	C-7646	8
7020007	MP-239792	18	7020121	MP-21945	14	7430108	34094	8
7020012	MP-31170	14	7020122	MP-21911	14	7430109	34096	8
7020034	AU-GME-17	15	7020123	MP-29491	14	7430110	34105	8
7020035	AU-GME-32	15	7020124	MP-25817	14			
7020036	AU-GME-33	15	7020125	MP-28745	14			
7020038	AU-GME-64	15	7020126	MP-20831	14			
7020039	AU-GME-71	15	7020131	MP-21924	14			
7020051		12	7020134	MP-22967	14			
7020052		12	7020135	MP-253562	14			
7020053		12	7020137	MP-26702	14			
7020054		12	7020141	MP-30586	14			
7020055		12	7020142	MP-30587	14			
7020056		12	7020144	MP-31171	14			
7020057		12	7020146	AU-GME-12	15			
7020058		12	7020147	AU-GME-20	15			
7020059		12	7020148	AU-GME-21	15			

Cross-Reference

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33875	7430078	FHD-107A	2940063	FSF12-3-2	2940111	T118-13R	3300019
33876	7430076	FHD-108A	2940065	FSF12-3-3	2940112	T118-14	2750057
33877	7430069	FHD-109A	2940067	FSF12-3-4	2940113	T118-2	6600333
33878	7430070	FHD-115A	2940076	FSF12-3-5	2940114	T203-10	3300125
33879	7430071	FHD-131A	2940169	FSF12-3-6	2940115	T203-10	3300125
33880	7430072	FHD-15B	2940005	FSF12-3A	2940109	T203-11-1	3300127
33881	7430073	FHD-16AB	2940006	FSF12-4G	2940116	T203-11-1	3300127
34091	7430079	FHD-16AB	2940006	FSF12-56	2940117	T203-12A	3300128
34092	7430077	FHD-17BL	2940184	FT1-3AB	2900003	T203-1A	3300108
34094	7430108	FHD-17BR	2940185	FT11-4	2900031	T203-2A	3300113
34095	7430074	FHD-21G	2940013	FTG-2A	6600179	T203-2AA	3300298
34096	7430109	FHD-22G	2940014	FTG-5AA	2960051	T203-2AA-R	3300299
34105	7430110	FHD-29	2940015	FTG-5AA	2960051	T203-3A	3300116
35011	7430075	FHD-91	6600162	FTG5-2-1-11	2960047	T203-7	3300120
41F-5L	0118538	FHD-95	2940050	FTG5-2-1-14	2960048	T203-7	3300120
4200005	6600025	FHD-95	2940050	FTG5-2-2	6000502	T203-8	3300121
4200020	6600030	FHD-96	2940051	FTG5-4	6600180	T203-8	3300121
48F-45	0110200	FHD-96	2940051	FTG6-1A	6700190	T203-9A	3300122
AU-GME-12	7020146	FHD-96G	2940052	FTS-1	6600181	T203-9A	3300122
AU-GME-14	7020157	FHD102-200	2940055	FTS-3	6600182	T226-5	3300306
AU-GME-17	7020034	FHD102-200	2940055	FTS-4	6600474	T226-5	3300306
AU-GME-18	7020178	FHD102-250	2940056	H-48	3330025	T227-12A	3300151
AU-GME-20	7020147	FHD102-250	2940056	H-49	3330027	T227-14A-7	3300159
AU-GME-21	7020148	FHD113A-200	6600066	H-62	6600191	T227-1A	3300136
AU-GME-22	7210010	FHD113A-250	6600067	H-65	6600194	T227-2A	3300142
AU-GME-23	7020149	FHD113A-300	6600163	H-66	6600195	T227-2AA-R	3300302
AU-GME-3	7210009	FHD115-1A	2940077	HD-58G	3340027	T227-2G	6600334
AU-GME-31	7020158	FHD17-1-1A	2940011	HD51-G	6600208	T227-3A	3300146
AU-GME-32	7020035	FHD74-1A	2940023	HM105-1	3320393	T227-4L	3300148
AU-GME-33	7020036	FHD74-4A	2940028	MP-15669	7020001	T227-4L	3300148
AU-GME-4	7220021	FHD74-5	2940030	MP-16433	7020177	T227-4R	3300149
AU-GME-64	7020038	FHD79-3	6600629	MP-20831	7020126	T227-4R	3300149
AU-GME-69	7220022	FHD79-3G	6600157	MP-21547	7020003	T227-5	3300293
AU-GME-70	7220023	FHD79-5	6600628	MP-21831	7020120	T227-5	3300293
AU-GME-71	7020039	FHD79-5G	6600161	MP-21911	7020122	T227-6	3300150
C-3148	7430101	FHM-51A	2940181	MP-21924	7020131	T227-6	3300150
C-4873	7430096	FHM-61	2940190	MP-21945	7020121	T329-1	3300222
C-7371	7430095	FHM49-2A	6445010	MP-22967	7020134	T329-1	3300222
C-7378	7430099	FM-501	6700188	MP-239792	7020007	T329-2	3300223
C-7622	7430100	FM4-40	6600319	MP-253562	7020135	T329-2	3300223
C-7634	7430098	FM51C-36	6400033	MP-25817	7020124	T329-3	3300224
C-7646	7430106	FMS-10	2990001	MP-26702	7020137	T329-3	3300224
C-9042	6600462	FMS-11	6600165	MP-28745	7020125	T329-5	3300226
E-3-R	6700039	FMS-14A	2990200	MP-29491	7020123	T329-5	3300226
EL-13-1	6700093	FMS-24	2990003	MP-30586	7020141	T329-6	3300227
EL-13-2	6700094	FMS-27	6000279	MP-30587	7020142	T329-6	3300227
EL-24R	6700068	FMS-35A	2990007	MP-31170	7020012	TV-1637	7430102
EL-27	6700072	FMS35-1	2990008	MP-31171	7020144	TV-5232	7430022
EL-39	6700082	FO-13	6600168	MP-31171-06	7020176	TV-5433	7430025
EL-3A	6700038	FO-20-1-1A-3	2960002	MS-188	3390085	TV-5434	7430026
EL-3R	6700039	FO-20-1-1A-4	2960004	MS-356AB	2940151	TV-5436	7430027
EL-40	6700083	FO-36A	2960006	N-1178	6600299	TV-5439	7430029
EW-50	6700161	FO-52A	2960054	O-112A	3360048	TV-5496	7430031
FA151T-36	6400037	FO43-1A	2960026	O123-1	6600304	TV-5499	7430032
FD-70-7600-B	7300005	FSC-1	6600170	R-111	6300007	TV-5564	7430033
FD-8GP-7278A	7300017	FSC-3	6600171	R-2-1-2P	6300002	TV-631	7430020
FFM-18A	2920018	FSC-4	6600172	R-2P	6300001	TV-6873	7430034
FFM-26A	2920033	FSF-10	2940093	T-141	3300054	TV-6874	7430035
FFM-43A	2920066	FSF-11	2940094	T-203A	3300107	TV-6905	7430104
FFM-44	2920067	FSF-13	2940121	T-227A	3300135	TV-C-1482	7430039
FFM-45A	2920068	FSF-16A	6600174	T-227A-RV	7100003	TV-C-1493	7430040
FFM-6	2290011	FSF-19	6600175	T-329A	3300221	TV-C-3147	7430041
FHD-100	2940053	FSF-20	6600177	T-329A	3300221	TV-C-3152	7430042
FHD-101	2940054	FSF-5	6600173	T118	3300294	TV-C-3153	7430043
FHD-101	2940054	FSF-7A	6600176	T118-11	3300294	TV-C-7418	7430046
FHD-103A	2940057	FSF12-1A	2940096	T118-13L	3300018	V-18	3340417
FHD-104A	2940059	FSF12-2A	2940103	T118-13L	3300018	V-19A	3340418
FHD-106A	2940061	FSF12-3-1	2940110	T118-13R	3300019	V-25	3340436

Cross-Reference

Old Part No.	New Part No.						
V-34	6100028						
V-36-11	3340474						
X32 RU	6000419						
X40 RU	6000420						
X48-4ORB	6200041						
Z5-LW	0120214						
Z5-LW	0120214						
ZC5-11	0122083						
ZC5-11	0122083						
ZC5-N	0120376						
ZC5-N	0120376						
ZCP1-4	0103374						
ZCP1-4	0103374						
ZCP1A-3	0103373						
ZCP1A-3	0103373						
ZF5-N	0120368						
ZF5-N	0120368						
ZF6-N	0120369						
ZF8-N	0120371						
ZLW-6	0120382						