

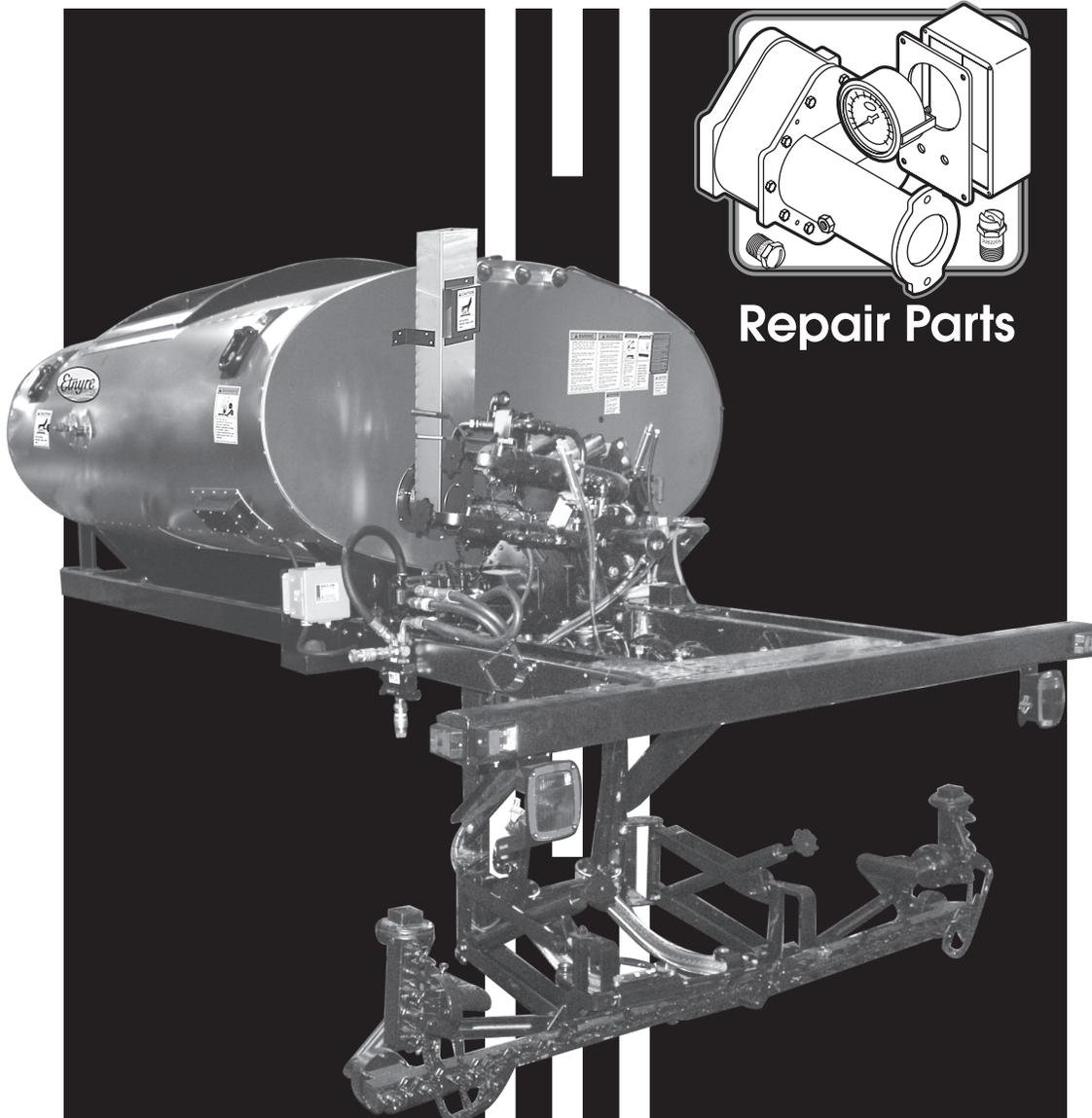
M-401-SKD-16

Starting with Serial Number M5218



Skid Mounted Maintenance Distributor

With Air Operated Controls



E. D. ETNYRE & CO. 1333 S. Daysville Road, Oregon, Illinois 61061

Phone: 815/732-2116 or 800/995/2116 • Fax: 800-521-1107 • www.etnyre.com

M-401-SKD-16

Starting with S/N M5218

Maintenance Distributor PARTS MANUAL

HOW TO ORDER PARTS

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)** Serial numbers of units to which parts apply. **5)** Complete part numbers and descriptions. **6)** Any special instructions.

Specify unit serial number when ordering parts!

WARRANTY

E. D. Etnyre & Co. warrants to the original Purchaser, its new product to be free from defects in material and workmanship for a period of twelve (12) months after date of delivery to original Purchaser. The obligation of the Company is limited to repairing or replacing any defective part returned to the Company and will not be responsible for consequential damages or any further loss by reason of such defect.

The company excludes all implied warranties of merchantability and fitness for a particular purpose. There are no warranties, express or implied, which extend beyond the description of the goods contained in this contract.

This warranty does not obligate the Company to bear the cost of machine transportation in connection with the replacement or repair of defective parts, nor does it guarantee repair or replacement of any parts on which unauthorized repairs or alterations have been made or for components not manufactured by the Company except to the extent of the warranty given by the original Manufacturer.

This warranty does not apply to:

- (1) Normal start-up services, normal maintenance services or adjustments usually performed by the selling dealer, factory service representative or customer personnel.
- (2) Any product manufactured by E. D. Etnyre & Co. purchased or subjected to rental use.
- (3) Any product or part thereof which shows improper operation, improper maintenance, abuse, neglect, damage or modification after shipment from factory.
- (4) Any product or part thereof damaged or lost in shipment. Inspection for damage should be made before acceptance or signing any delivery documents releasing responsibility of the delivering carrier.

This warranty and foregoing obligations are in lieu of all other obligations and liabilities including negligence and all warranties of merchantability or otherwise, express or implied in fact or by law.



E. D. ETNYRE & CO., Oregon, Illinois 61061-9778
1333 South Daysville Road Phone: 800-995-2116 Fax: 800-521-1107

www.etnyre.com
sales@etnyre.com

This manual covers standard features and options. If your unit incorporates custom features, some of the information contained in this manual may not apply. If you have any questions regarding this manual or your unit, contact your dealer or the E. D. Etnyre Service Department at 1-800-995-2116.

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Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash, injury, or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying E.D. Etnyre & Co.

If NHTSA receives similar complaints, it may open an investigation. If it finds a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or E.D. Etnyre & Co.

To contact NHTSA, you may call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in the Washington, D.C. area). Or, you may write to: U.S. Department of Transportation, Washington, D.C. 20696. You may also obtain other information about motor vehicle safety from the Auto Safety Hotline.

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

CAUTION

Before breaking the seal on all hydraulic fittings, plugs, fill caps, etc. be sure to clean around the connection. Failure to do so may cause contaminants to enter the hydraulic system causing damage to pumps, motors, etc.

PROPOSITION 65 WARNING

Diesel Engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Please note this warning and remember -

Always start and operate the engine in a well-ventilated area;

If in an enclosed area, vent the exhaust to the outside;

Do not modify or tamper with the exhaust system.



WARNING

Fluoroelastomer handling

Some "O" rings and seals used in this vehicle are made from fluoroelastomers. When used under design conditions, fluoroelastomers do not require special handling. However, when fluoroelastomers are heated to temperatures beyond their design temperature (around 600 degrees Fahrenheit), decomposition may occur with the formation of hydrofluoric acid. Hydrofluoric acid can be extremely corrosive to human tissue if not handled properly.

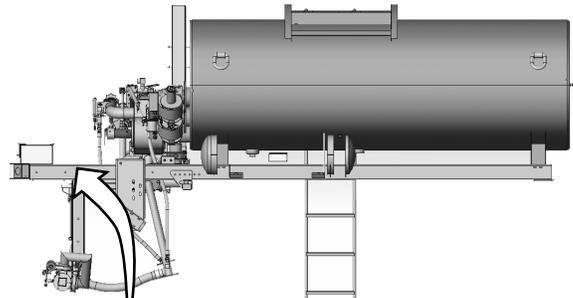
A degraded seal may appear as a charred or black sticky mass. Do not touch either the seal or the surrounding equipment without wearing neoprene or PVC gloves if degradation is suspected. Wash parts and equipment with 10% lime water (calcium hydroxide solution) to neutralize any hydrofluoric acid.

If contact with the skin occurs, wash the affected areas immediately with water. Then rub a 2.5 calcium gluconate gel into the skin until there is no further irritation, while seeking prompt medical attention.

Note to physicians: For advice or treatment of HF Burns, call the DuPont Medical Emergency Number 1-800-441-3637.

Serial Number Plate Location

The Serial Number Plate is a brass plate located on the right side of the frame rail. Generally, the serial number has a letter prefix followed by four numbers.

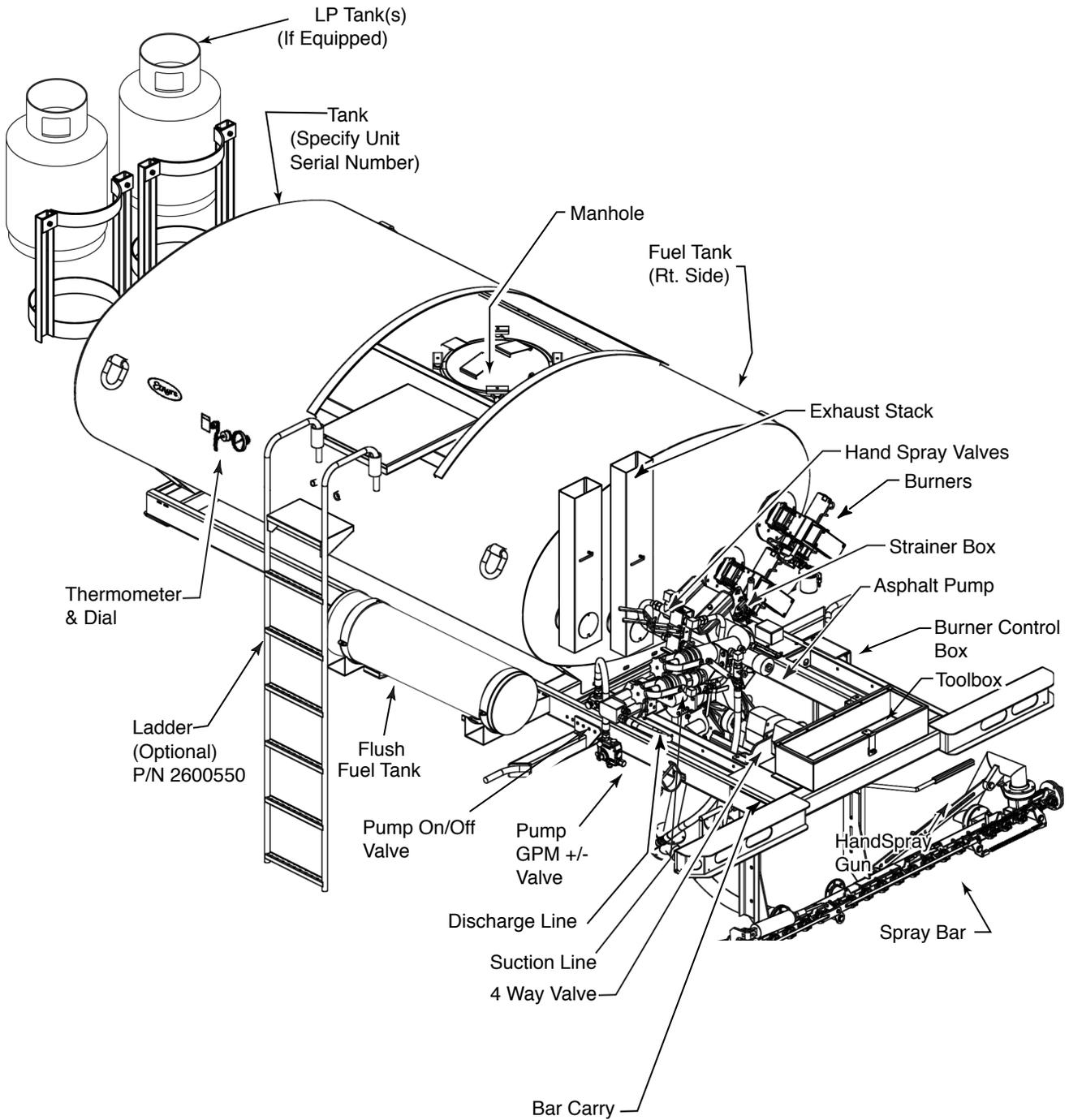


MAINTENANCE UNIT

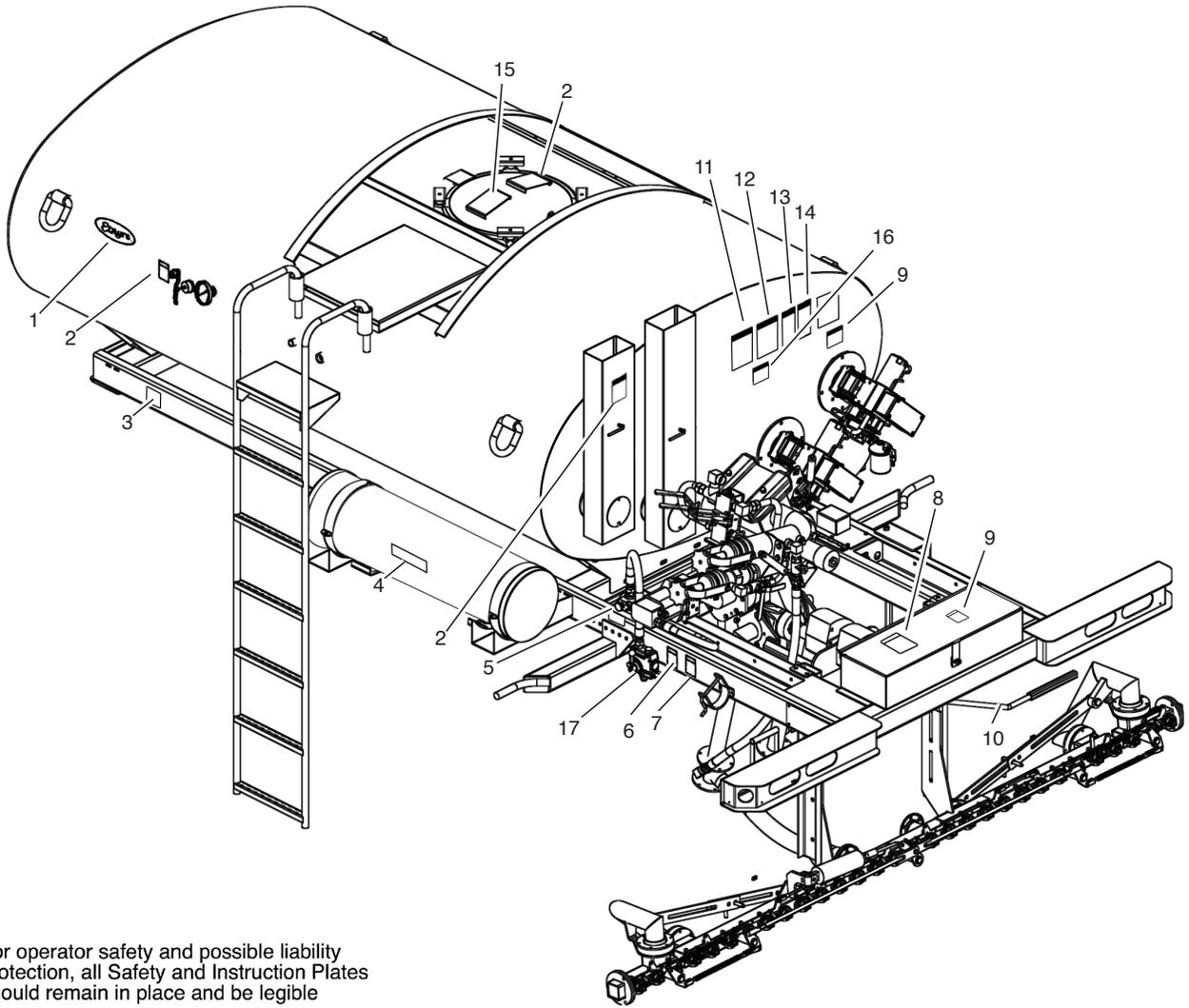
Model	MU	Serial No.	M5218
Tank Capacity	800	U.S. Gallons	

E.D. ETNYRE & CO., Oregon, Ill., U.S.A.

General Identification



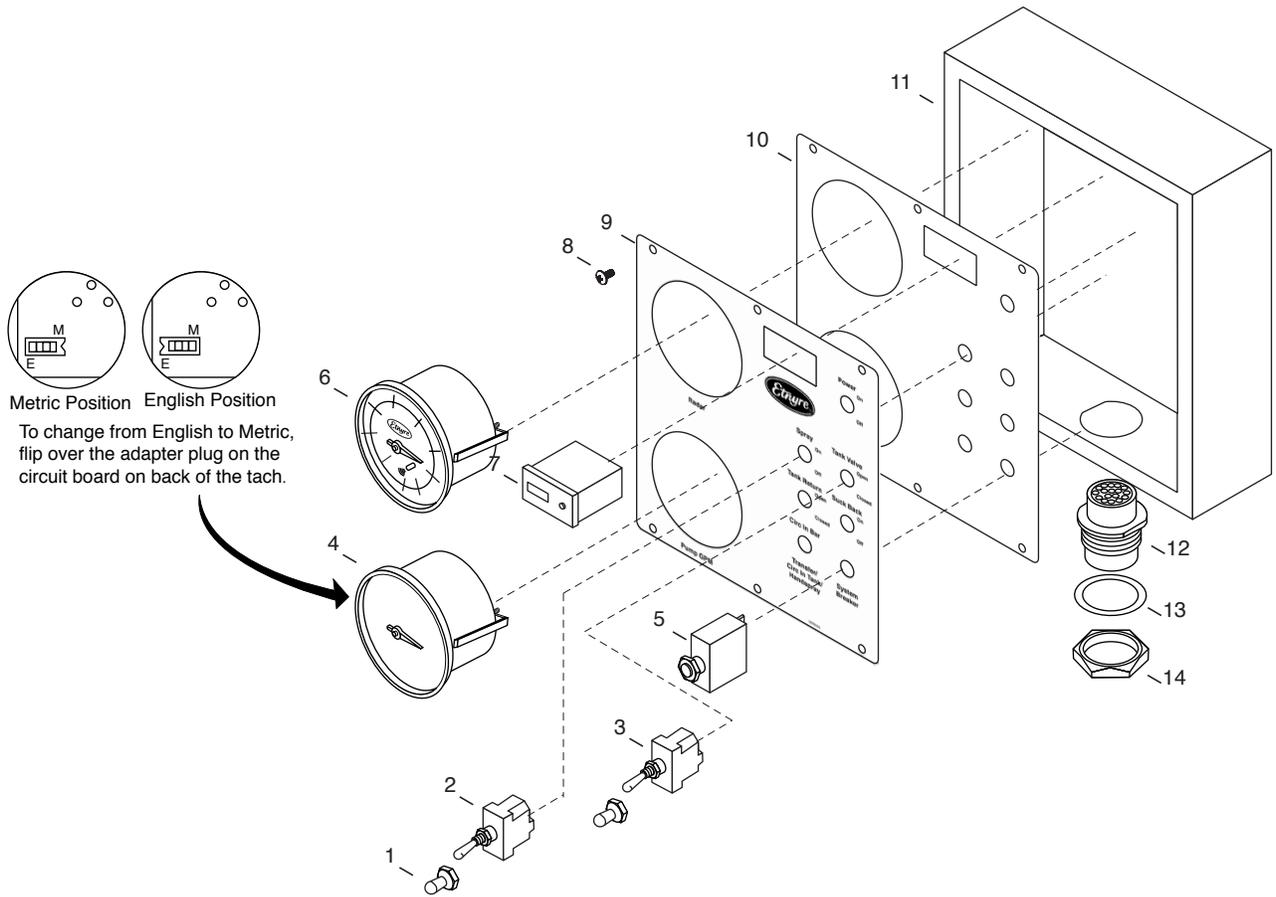
Warning And Instruction Plates



- ⚠ For operator safety and possible liability protection, all Safety and Instruction Plates should remain in place and be legible
- ⚠ Should a plate be removed, lost, or become illegible, reorder and replace immediately
- ⚠ If plates become difficult to read because of material coating the surface, clean with solvent

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3390191	2	Decal-Oval, Etyyre	14	3390637	1	Tag-Warning, Don't Mix Asphalts
2	3390684	3	Plate-Caution, Hot Surface	15	3390679	1	Decal: Warning, Manhole
3	2790530	1	Plate-Name, Spec	16	3390682	1	Decal: Caution, Before Starting
4	3390605	1	Plate-Instr. Hydraulic Oil Spec	17	2690300	1	GPM +/- Valve
5	2690299	1	Valve-Pump On/Off				
6	3390680	1	Decal: Warning, Fill Cap				
7	3390683	2	Decal-Caution, Shields				
8	3390685	1	Decal: Warning, Safety Hazards				
9	3390678	2	Decal: Warning, "Read Manuals"				
10	3390591	2	Tag-Caution, Handspray Hose				
11	3390686	1	Decal: Warning, Burner, General				
12	3390540	1	Plate-Directions, LPG Burner				
	3390670	1	Plate-Directions, Ele., Fuel Oil Burner				
13	3390636	1	Plate-Warning, Burner				

Cab Control Box Assembly

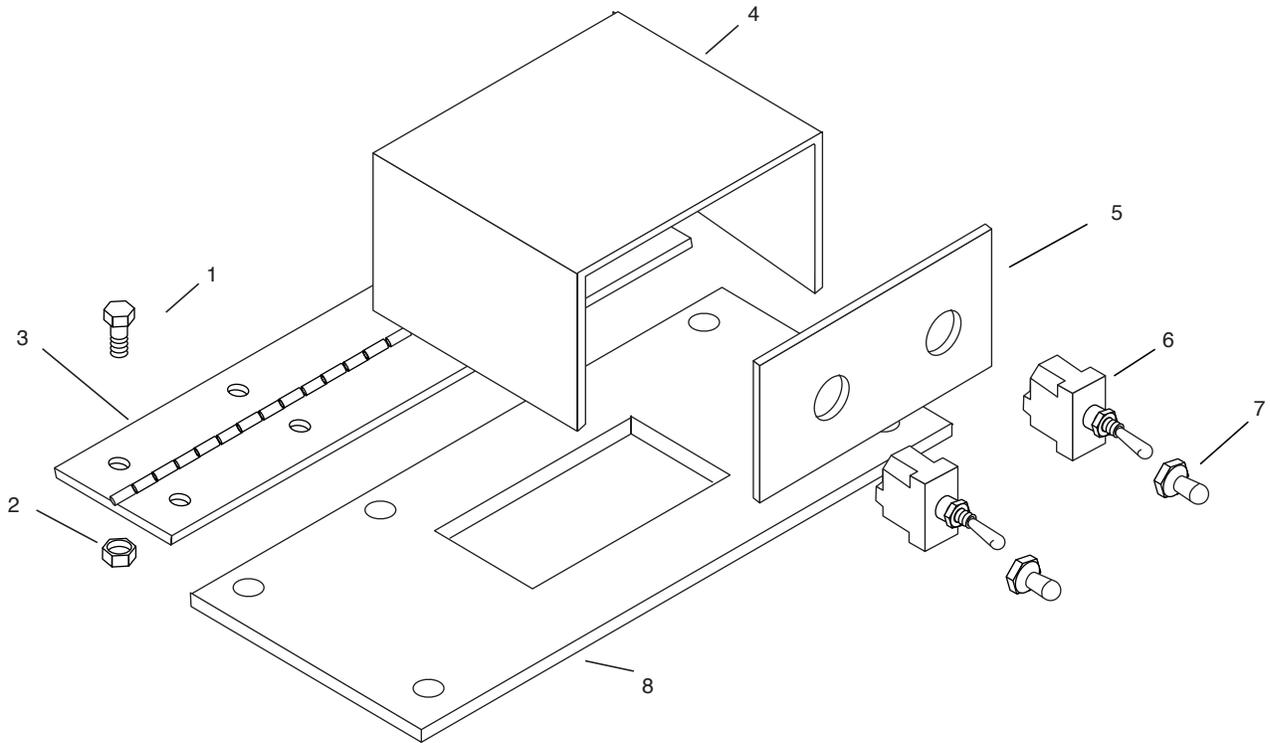


CONTROLS

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6703277	6	Seal-Toggle Switch, Gray, 15/32				
2	6702241	5	Switch-Toggle, SPST, 2 Pos, Maint.				
3	3160005	1	Switch-Toggle, SPDT, 2 Pos, Maint.				
4	6702135	1	Pump Tachometer-Elec. Analog				
5	6702094	1	Circuit Breaker-15 Amp				
6	6702186	1	Radar Tachometer				
7	6702140	1	Counter-Dig, Electric, LCD, 6 Digit				
8	6702100	6	Screw-Truss HD, Phillips #8NC-32				
9	2670105	1	Decal-Cab Control Box				
10	2670104	1	Cab Control Box Panel				
11	2670103	1	Cab Control Box				
12	6704502	1	Connector-Receptacle, 14 Pin				
13	6704504	1	Washer-14 Pin Socket				
14	6704503	1	Nut-14 Pin Socket				

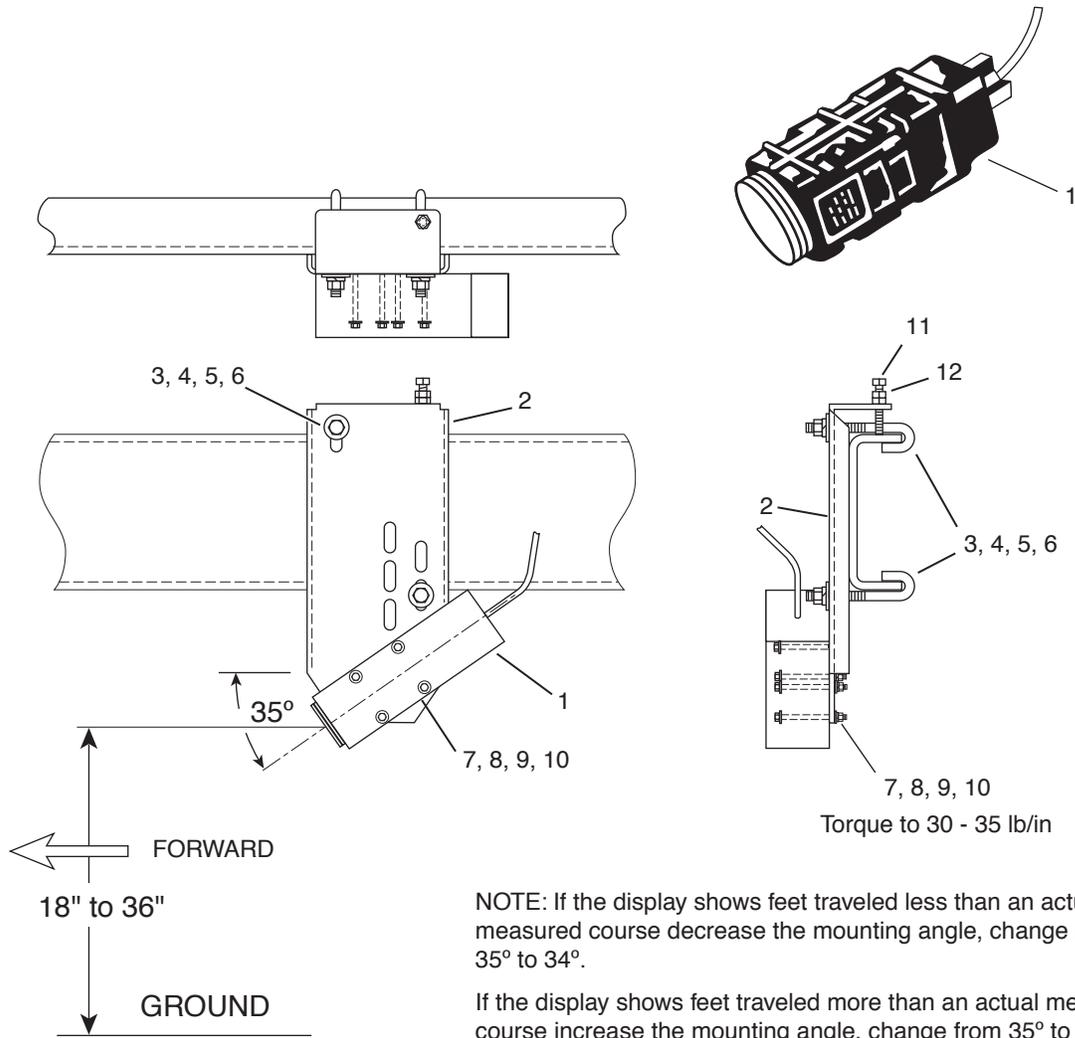
Burner Control

CONTROLS



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	0180016	AR	Screw-Hex, 0.25"NC x 0.50", Gr5, PD				
2	9413946	AR	Nut-Hex, Lock, 0.25NC, EA, PD				
3	6001155	1	Hinge, Contin, STNLS STL/Ft.				
4	2611103	1	Cover-Plate,Switch, Burner				
5	2611104	1	Plate, Switch, Burner				
6	6702241	2	Switch-Toggle, SPST, 2 Pos, Maint.				
7	6703277	2	Seal-Toggle Switch, Gray, 15/32				
8	2611102	1	Plate-Door, Burner				

Radar Speed Sensor Installation Optional



NOTE: If the display shows feet traveled less than an actual measured course decrease the mounting angle, change from 35° to 34°.

If the display shows feet traveled more than an actual measured course increase the mounting angle, change from 35° to 36°.

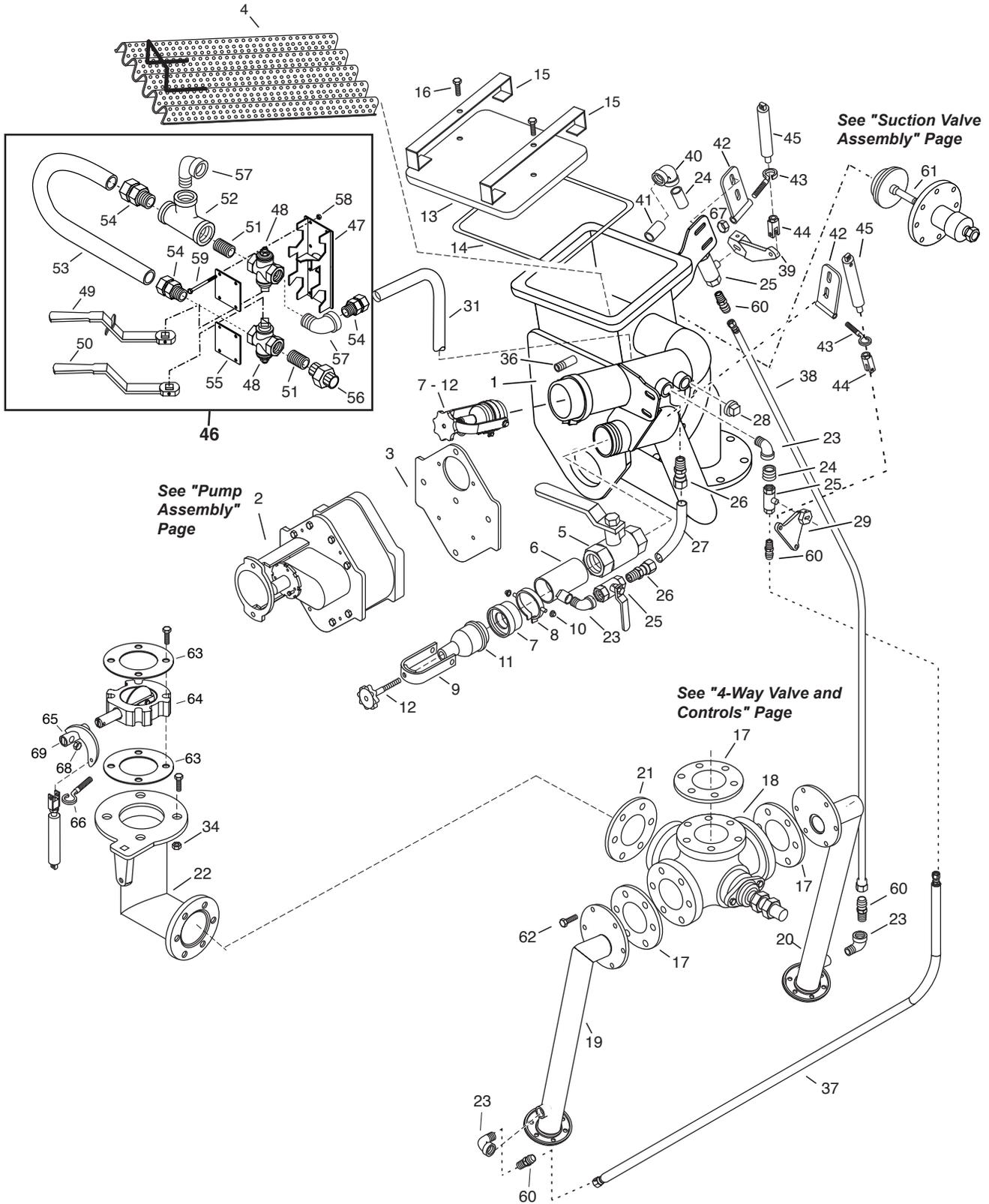
One degree change in angle changes the readout approximately one percent.

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3370212	1	Radar Head-Speed Sensor w/o Plug	8	0120386	8	FlatWasher-0.25
	7530050	1	Kit - Window Cover	9	9413946	4	Lock Nut-0.25NC
	PD10253	1	Decal-Warning	10	3370254	4	Spacer
2	3361236	1	Mounting Plate Asm	11	0110456	1	Screw, SqHd-0.50NC x 3.00
3	3360726	2	Hook Bolt	12	0120378	1	Nut-0.50NC
4	0121574	2	Lock Washer-0.62				
5	0124589	2	Nut-0.62NC				
6	0130999	2	Flat Washer-0.62				
7	0432903	4	Screw-0.25NC x 4.00				

Circulation System

Air Operated - 2641204

CIRCULATION SYSTEM

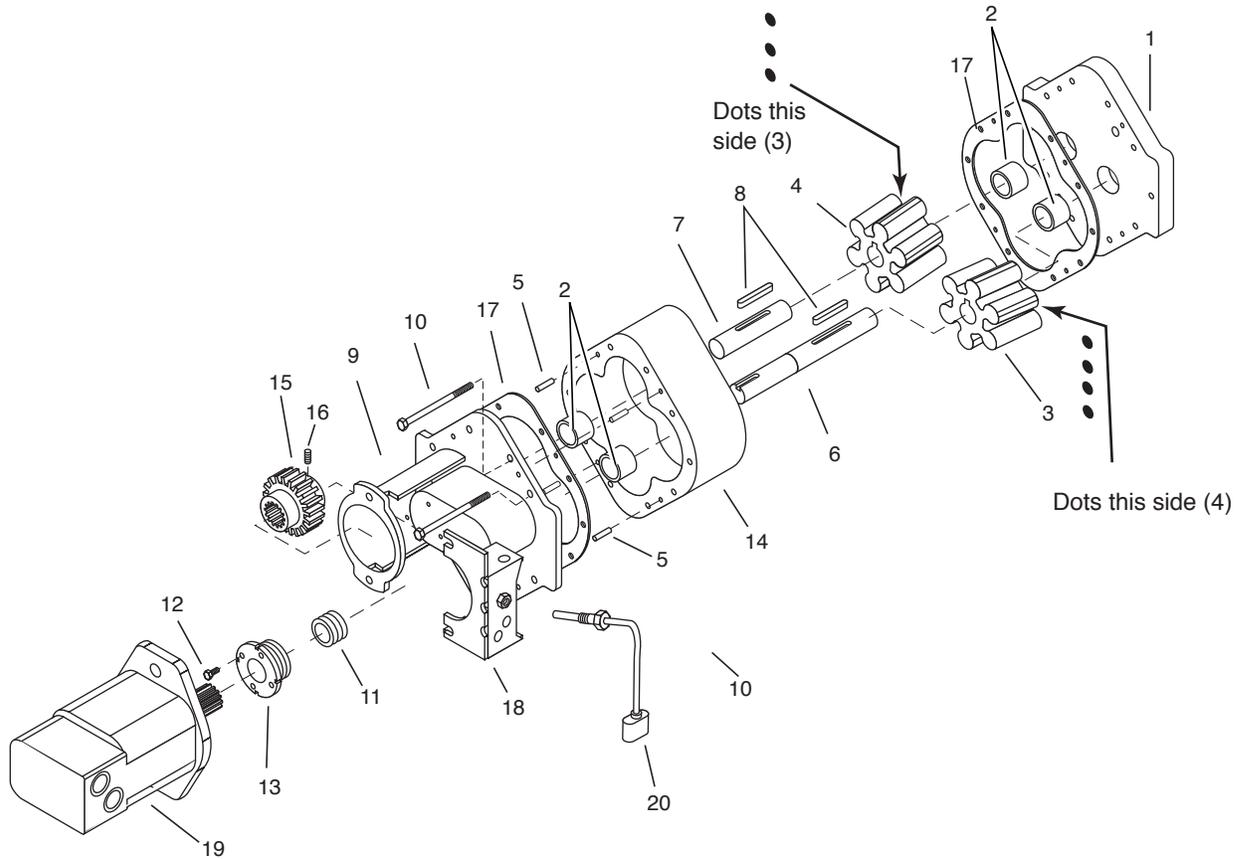


Circulation System
Air Operated - 2641204

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2641080	1	Strainer Box Weldment	48	6600726	2	Cock-Steam, 1.0", 2 way, SqHd, Brass
2	2640609	1	Pump Asm-200MU	49	3361607	1	Handle Asm-Handspray, w/ Pull
3	2640884	1	Gasket-Pump / Strainer Box	50	3361608	1	Handle Asm-Handspray, Suck Back
4	2641099	1	Strainer w/ Handle	51	0127874	2	Nipple-Sch40, 1.0" x 1.5", CL, PN
5	6601839	1	Valve-Ball, 2.0" #70-108-01	52	0115237	1	Tee-Pipe, 1.0"NPT, PN
6	2641100	1	Transfer Cap Pipe Weldment	53	3342640	1	Tube-Handspray, 1.0", U-Bend
7	2640797	1	Suction Pipe Asm-Strainer	54	6604024	3	Adapter-Tube, ST, 16MP-16FT
8	3341078	1	Ring Asm-Clamping Transfer Valve	55	3342653	2	Lid-Handspray Valve
9	3340041	2	Clamp Asm-3 Hose Connection	56	6000416	1	Union-Railroad, 1.0"
10	6001056	4	Cap-Retainer, 0.5" Dia. Stud	57	0108687	2	Elbow-Pipe, 90, ST, 1.0"NPT, PN
11	3380388	2	Cap Asm-Fill Line	58	9411638	4	Nut-Hex, Lock, 0.31"NC, EA, PD
12	3340033	2	Clamp Asm-Screw, Filling Line	59	0180113	4	Screw-Hex, 0.31"NC x 3.0", Gr5, PD
13	2641103	1	Lid-Strainer Box, Clamp On	60	9402711	4	Adapter-Hyd, 12MJ-12MP
14	2641104	1	Gasket-Strainer Box	61	2641119	1	Valve Asm-Suction, Air Operated
15	3341964	2	Clamp Bar Asm-Strainer Box Lid	62	0180128	6	Screw-Hex, 0.38"NC x 1.75", Gr5, PD
16	0180124	34	Capscrew-0.375"UNC x 1.25", Gr5, PD	63	3342356	2	Gasket-Butterfly Valve
17	3340515	3	Gasket-Flange, 3 Way Valve	64	3342839	1	Butterfly Valve-3.5", CCW Close
18	3341441	1	4.0" 4 Way Valve Asm	65	3342840	1	Lever Asm-Butterfly Valve
19	2641206	1	Supply Elbow, LH	66	6100337	1	Bolt-Eye, 0.31"NC x 1.0", PD
20	2641208	1	Supply Elbow, RH	67	9441168	3	Nut-Hex, Lock, 0.31"NC, EA, PD
21	3340519	1	Gasket-Cover, 3 Way Valve	68	9413946	1	Nut-Hex, 0.25"NC, EA, PD
22	2641110	1	Tube Asm-Return and Transfer	69	0180042	1	Screw-Hex, 0.25"NC x 1.75", Gr5, PD
23	0141621	4	Elbow-90, ST, 0.75"NPT, PN				
24	0144613	3	Nipple, 0.75"NPT x 1.375"				
25	6602237	3	Valve-Ball, 0.75", Bronze				(NS) = Not Shown
26	6604065	2	Adapter-Arbk, ST, 12MP-12MT				
27	2641115	1	Tube-Transfer Suck Back				
28	0219301	5	Plug-Pipe, SqHd, 0.75"NPT, PN				
29	2641122	1	Arm Weldment-LH Suck Back Valve				
30	6604024	1	Adapter-Tube, ST, 16MP-16FT (NS)				
31	3641117	1	Handspray Press Line				
32	0120377-CR	1	Nut-Hex, 0.375"NC, PCR (NS)				
33	6002471	1	Setscrew-0.38"NC x 1.25" Lg (NS)				
34	0274993	18	Nut-Hex, Lock, 0.375"NC, PD				
35	0120388	18	Washer-Flat, SAE STD, 0.375" (NS)				
36	2640735	1	Nipple-Strainer Lid				
37	6201196	1	Hose Asm-0.75" x 44.25", 12FJX-12FJX				
38	6201197	1	Hose Asm-0.75" x 41.0", 12FJX-12FJX				
39	2641123	1	Arm Weldment-RH Suck Back Valve				
40	0119099	1	Elbow-Pipe, 90, 0.75"NPT, PN				
41	0126168	1	Nipple-PP, Sch40, 0.75" x 3.0" Lg, PN				
42	2641126	2	Bracket Weldment-Air Cyl., Suck Back				
43	6100280	2	Bolt-Eye, 0.31" x 2.5", PN				
44	6602339	3	Clevis-Rod, Cylinder				
45	6603150	3	Cylinder-Air, 1.06" x 3.0", Dbl Act				
46	2641116	1	Handspray Control Asm (Includes Ref #'s 47 - 59)				
47	3342657	1	Stop Asm-Valve Handle				

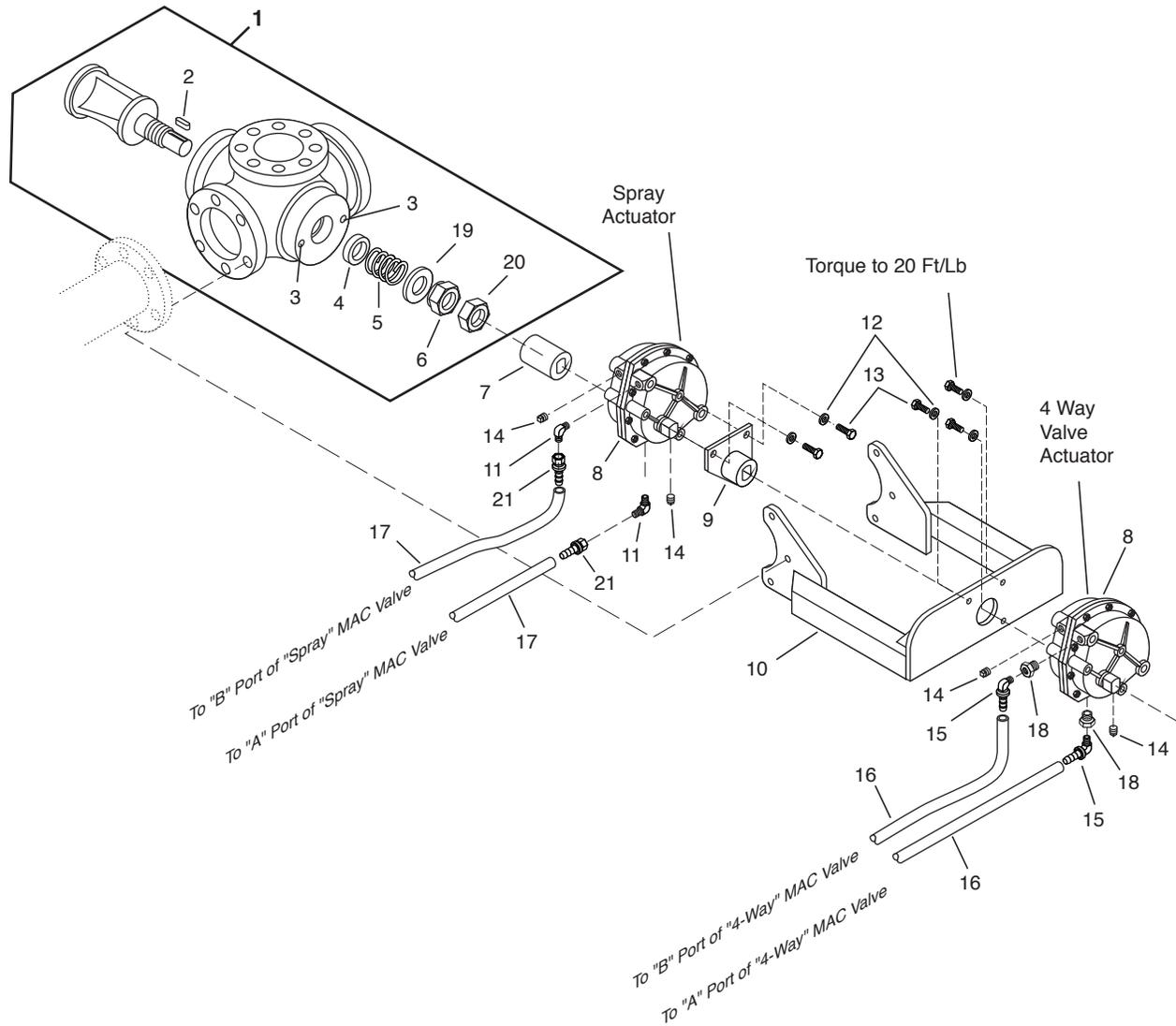
CIRCULATION SYSTEM

Pump Assembly - 200MU 2640609



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2640607	1	Portside End Plate-Machined	17	2640932	2	Gasket-Pump
2	6420211	4	Bushing-1.44 ID x 1.75 x 1.25 Lg	18	3361274	1	Asphalt Pump Shaft Guard
3	3340279	1	Impeller-Herringbone, LH w/Key	19	6604574	1	Motor-6.2 Cu. In., SAE B, 14T Spline
4	3340277	1	Impeller-Herringbone, RH w/Key	2640727	2	Thrust Washer-200 GPM Pump, Brass	
5	6100444	4	Pin-Dowel, 1/4 x 3/4 Lg	20	6702531	1	Sensor-Hall Effect, Speed, 3/8
6	2640694	1	Pump Shaft-200MU				
7	2640695	1	Pump Shaft-Idler, 200MU				
8	2640725	2	Keystock 1/4 x 1/4 x 2 1/2 Lg				
9	2640604	1	Front Face Plate Subweldment				
10	6001576	10	Bolt-Hex, 0.38-16NC x 5, Gr 8				
11	6600310	1	Pk-Rg, 1.5ID x 2 OD, Packmaster #3				
12	0211887	1	Screw-Hex, 1/4NC x 3/4, Gr 2, PD				
13	2640885	1	Nut-Packing, P15 Pump				
14	2640608	1	Case-Pump, #1, Machined				
15	2660128	1	Gear Spline Asm				
16	0102581	1	Screw-Sock, 0.31NC x 0.38, Cup, PN Note: Part of Ref. 15 (2660128 Gear Spline Asm)				

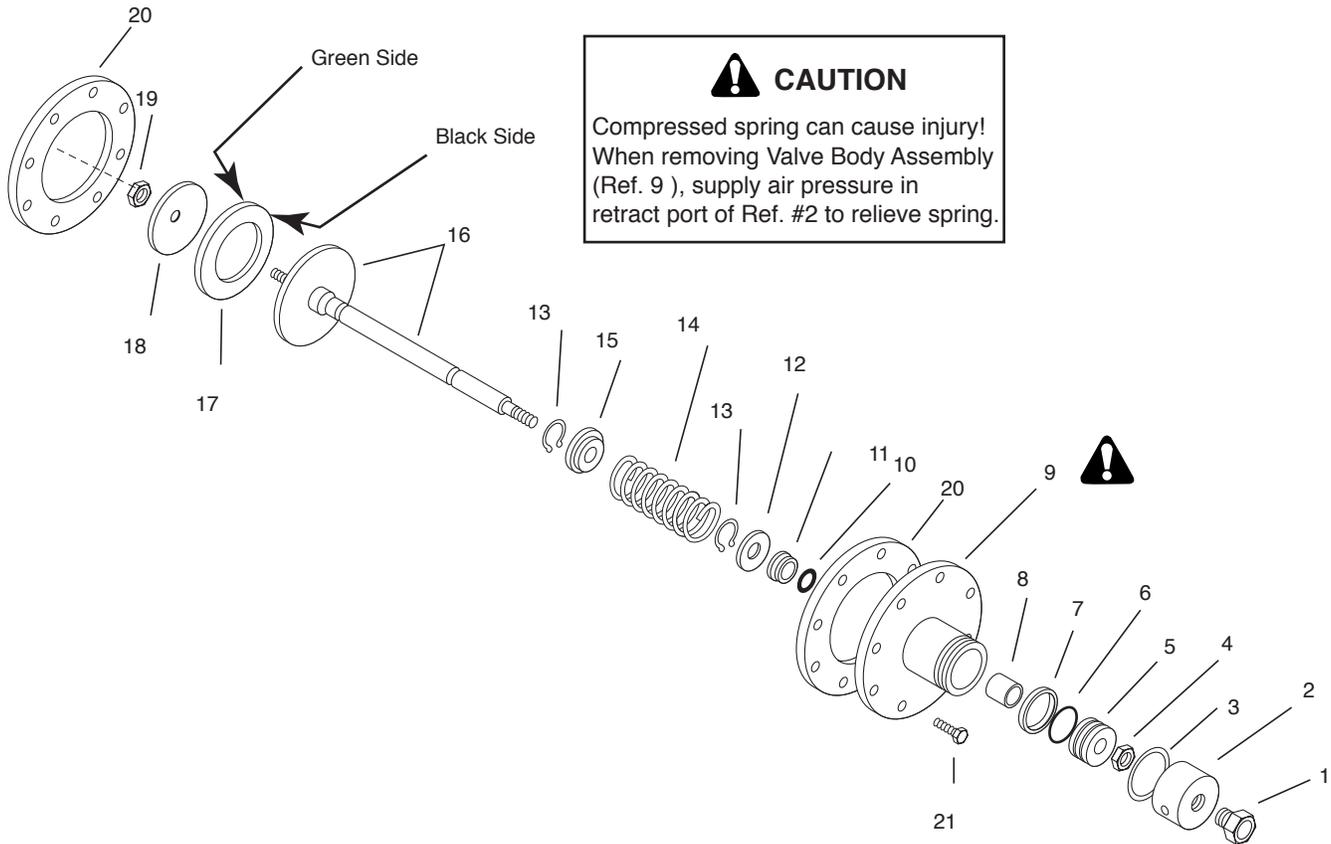
4 Way Valve and Controls 3341441



CIRCULATION SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3341441	1	4 Way Valve Asm <i>(Includes Ref #'s 2-6, 19, 20)</i>	17	6600324	AR	Hose- 3/8
2	6000224	1	Key-0.31 x 0.31CR x 1.00	18	0144035	2	Bushing-Pipe, 1/4 X 1/8
3	0125947	2	0.12 Slotted Pipe Plug	19	197070	1	Washer-Flat 1 3/8
4	3340029	4	Packing	20	3341648	1	Nut-Lock, Valve Stem
5	3341464	1	Spring	21	6600306	2	Hose End-06X06FSX, ST, LPSP
6	3341187	1	Stem Nut				AR = As Required
7	3361292	1	Coupling-Rotary Actuator				
8	6603023	2	Actuator-Rotary, Vane, Air				
	PD11034	1	Seal Kit				
9	3361291	1	Coupling-Rotary Actuator				
10	3311750	1	Frame-Rotary Actuator				
11	0118755	2	Elbow-Auto, 90, 04MP-06MS				
12	0120382	6	Washer-Lock, 3/8, Spring, PD				
13	6001062	6	Screw-Hex, 3/8NC x 1, Gr 8, PD				
14	0219189	4	Plug-Pipe, SqHd, 1/4NPT, PN				
15	6602242	2	Hose End-3/16" Hose x 1/8" MPT, 90				
16	6609255	AR	Hose-Fuel/Air, 0.19 ID/FT				

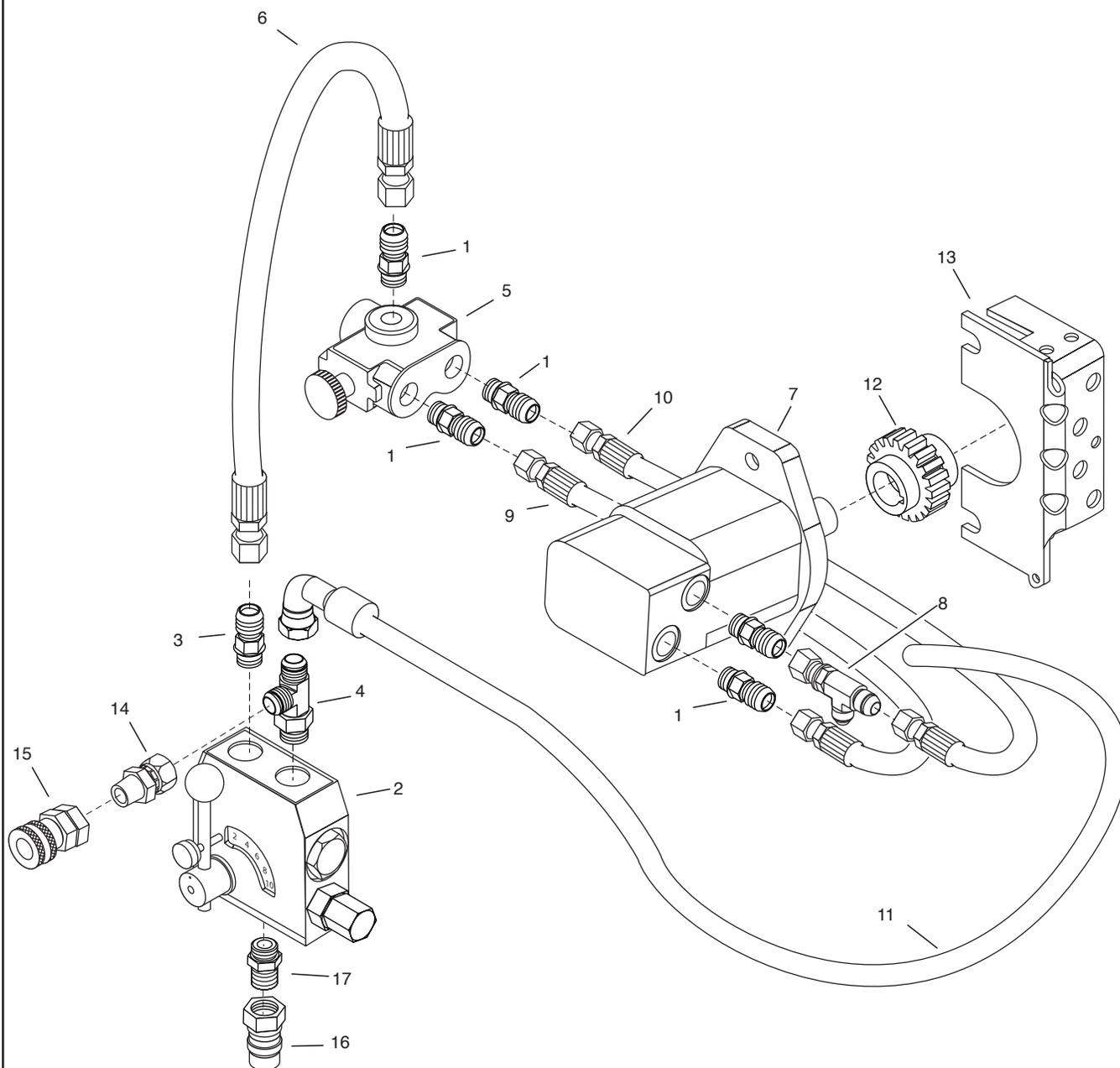
Suction Valve Assembly



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	7050364	1	Sight Plug, 0.75NPT	20	2640763	2	Gasket-Valve Body Asm
2	3341420	1	Cylinder Cap	21	0271546	8	Screw-Hex, 0.63"NC x 1.25", Gr5, PD
3	3341414	1	Gasket				
4	9416894	1	Lock Nut, 0.75NC				
5	3341418	1	Piston				
6	6602233	1	O-Ring, 2.5 OD x 2.1 ID x 0.188, Viton				
7	6602232	1	Seal, 2.5 Dia, Teflon				
8	6420121	1	Bushing-Du, 1.13 OD x 1.0 ID x 1.5				
9	3341424	1	Body Asm				
10	6602152	1	O-Ring, 1.25 OD x 0.125				
11	6602151	1	Scraper-Nitrile, 1.0 ID x 1.5 OD				
12	3341419	1	Stop				
13	6000322	2	Snap Ring				
14	6602234	1	Spring-#1, 2.4 OD x 1 7/8 ID x 0.312				
15	3341117	1	Retainer				
16	3341456	1	Seat & Shaft Asm				
17	3341514	1	Gasket Asm				
	2740165	1	Green Fiber (next to Retainer)				
	3341492	1	Black Viton (next to Seat & Shaft Asm)				
18	2740175	1	Retainer				
19	9413948	1	Nut-Lock, 0.62NC				

Hydraulic Pump Install - Standard

2641211



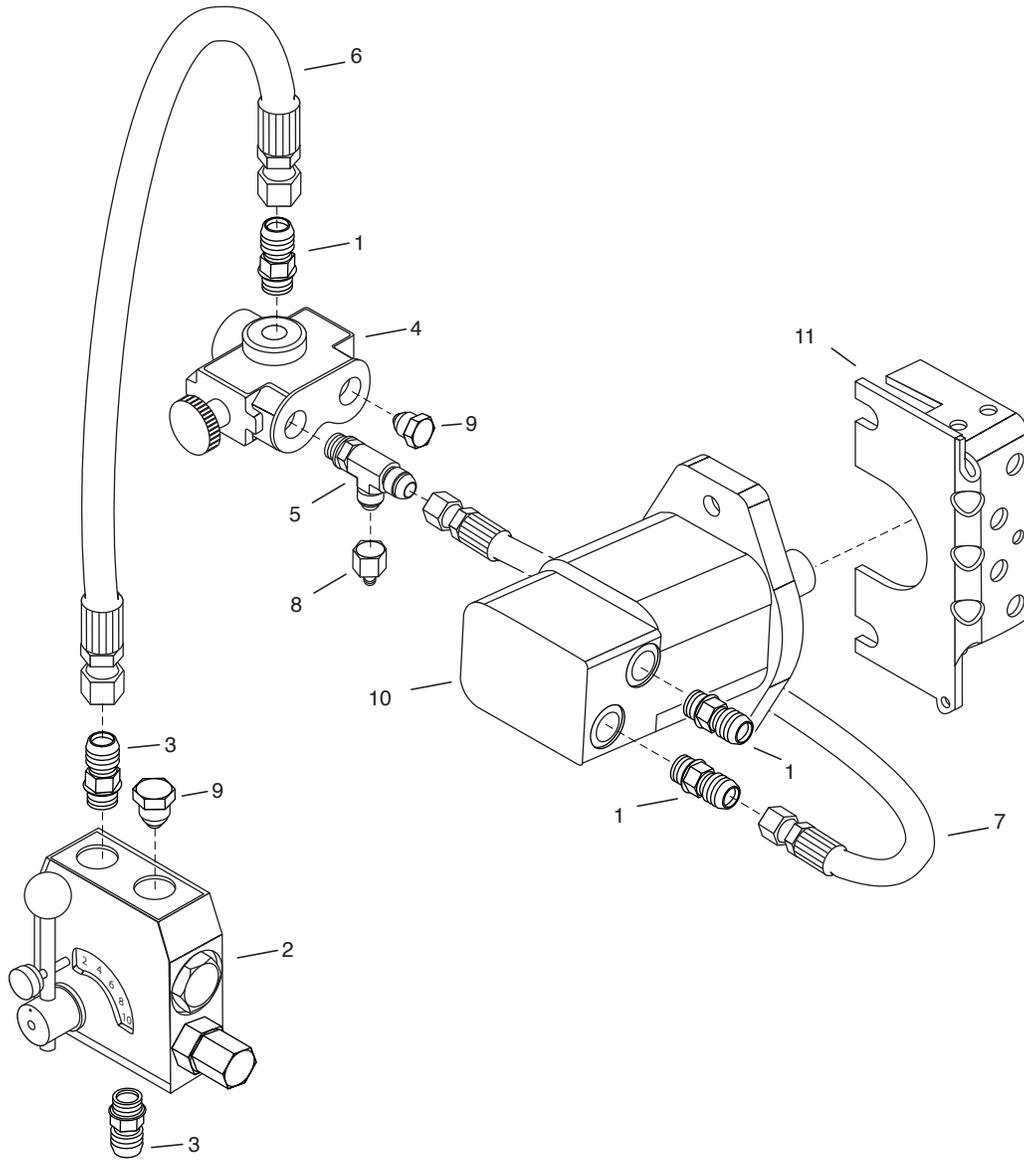
HYDRAULIC

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600910	5	Adapter-Hyd, ST, 10MB-12MJ	12	2660128	1	Gear Spline Asm.
2	6604575	1	Valve-Adj Flow, 16GPM, w/ Relief	13	3361274	1	Speed Sensor Bracket Asm
3	9410205	1	Adapter-Hyd, ST, 12MB-12MJ	14	6602892	1	Adapter-Hyd, ST, 12FJX-12MP
4	9411133	1	Tee-Hyd, 12MB-12MJ-12MJ	15	6602740	1	Coupler-Hyd, Female, 0.75"
5	6604653	1	Valve-Selector, 20GPM, 2500PSI	16	6602741	1	Coupling-Hyd, 0.75", Male
6	2690296	1	Hose Asm-12 x 29, 12FJX-12FJX	17	6604704	1	Adapter, 12MB-12MP
7	6604574	1	Motor-Hyd, 6.2, SAE B, 14T Spline				
8	9410335	1	Tee-Hyd, 12MJ-12FJX-12MJ				
9	2690379	1	Hose Asm-12 x 34.25, 12FJX-12FJX				
10	2690380	1	Hose Asm-12 x 33, 12FJX-12FX				
11	2690381	1	Hose Asm-12 x 33.5, 12FJX90				

Specify Unit Serial No., Part No., & Part Description

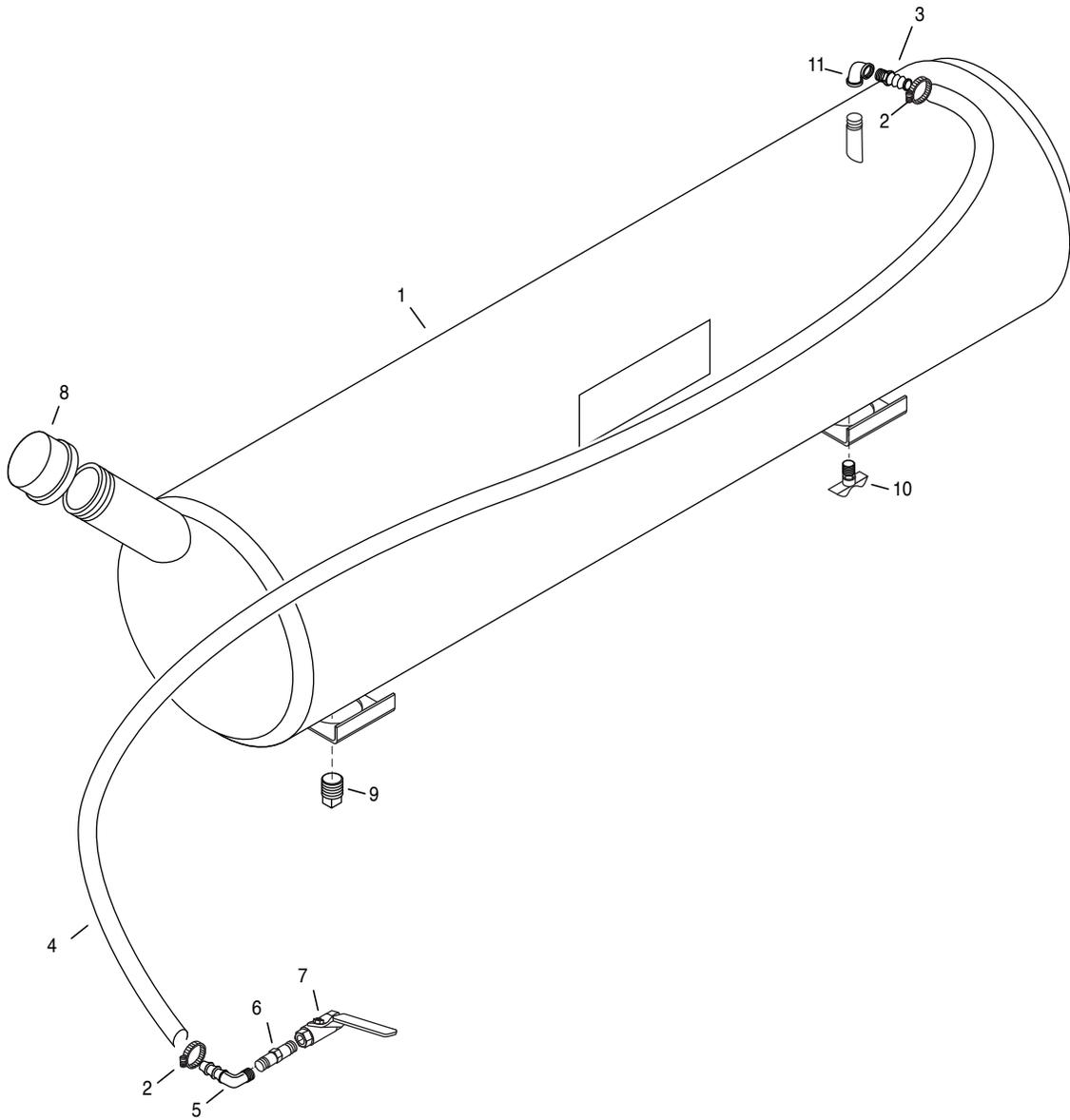
Hydraulic Pump Install - Piston Pump

2641203



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600910	3	Adapter-Hyd, ST, 10MB-12MJ				
2	6604575	1	Valve-Adj Flow, 16GPM, w/ Relief				
3	9410205	2	Adapter-Hyd, ST, 12MB-12MJ				
4	6604653	1	Valve-Selector, 20GPM, 2500PSI				
5	9411133	1	Tee-Hyd, 12MB-12MJ-12MJ				
6	2690296	1	Hose Asm-12 x 29, 12FJX-12FJX				
7	2690372	1	Hose Asm-12 x 22, 12FJX-12FJX				
8	6601885	1	Adapter, Hyd, ST, 12FJ-04MJ				
9	9410361	2	Plug-Hyd, 12MB				
10	6604574	1	Motor-Hyd, 6.2, SAE B, 14T Spline				
11	3361274	1	Speed Sensor Bracket Asm				

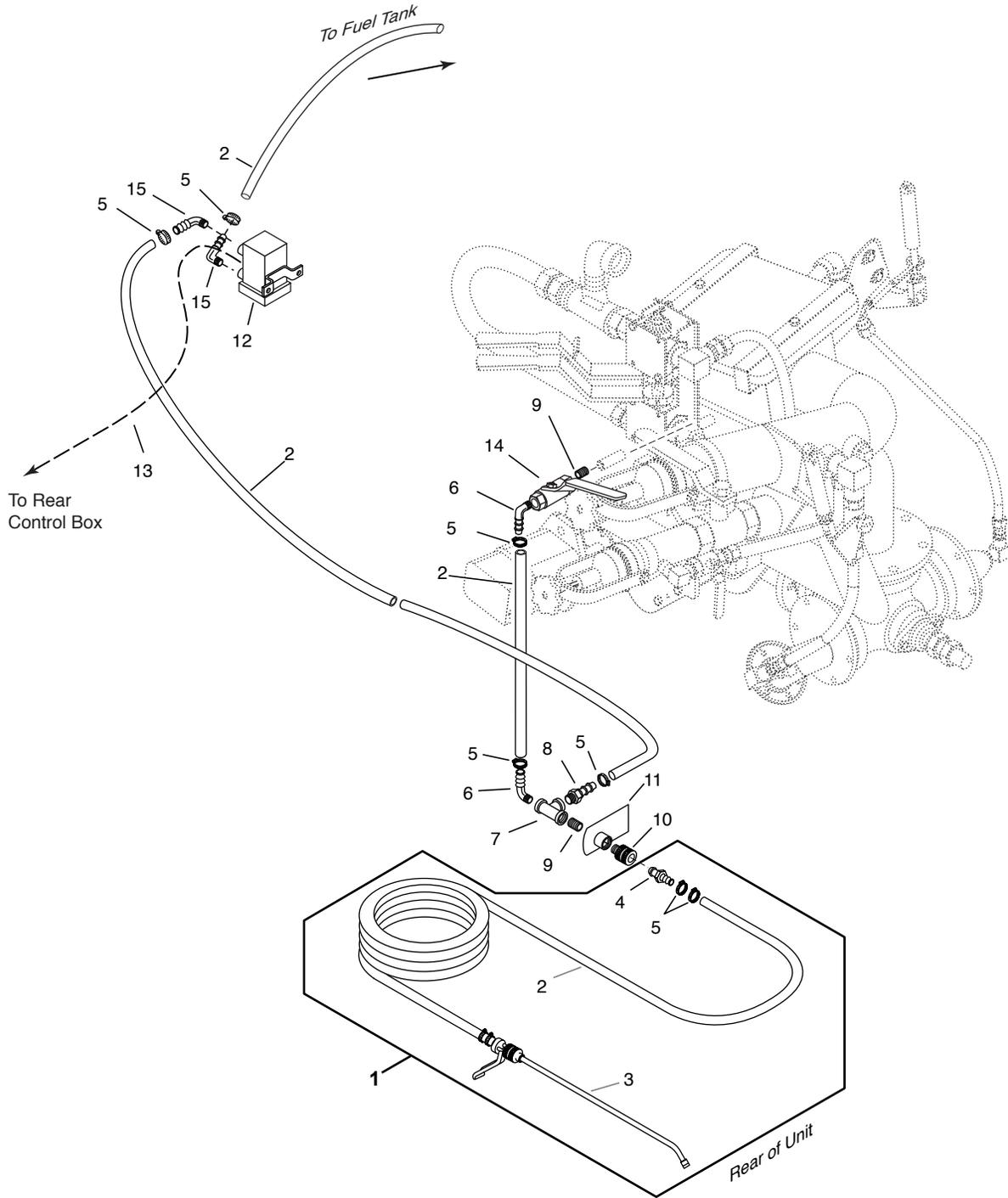
Self-Flush Tank
1 Compartment - 12" x 50"



SELF-FLUSHING

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2780351	1	Fuel Tank, 12 x 50, 1 Compt	9	0219301	1	Plug-Pipe, SqHd, 0.75"NPT, PN
2	6001005	2	Clamp-Hose, Screw Type, M5	10	6600162	1	Cock-Drain, 0.25"Spanco Brs
3	6445028	1	Hose End-04 x 04MP, ST, LP	11	0105413	1	Elbow-Pipe, 90, 0.25"NPT, PN
4	6601452	10	Hose-Fuel/Air, 0.25" ID/Ft				
5	6602400	1	Hose Barb-04 x 04MP, 90, LP				
6	6002512	1	Valve-Check				
7	6500366	1	Valve-Ball, 0.25"				
8	6100235	1	Cap-Filler, Fuel Tank				

Power Washdown And Self Flushing

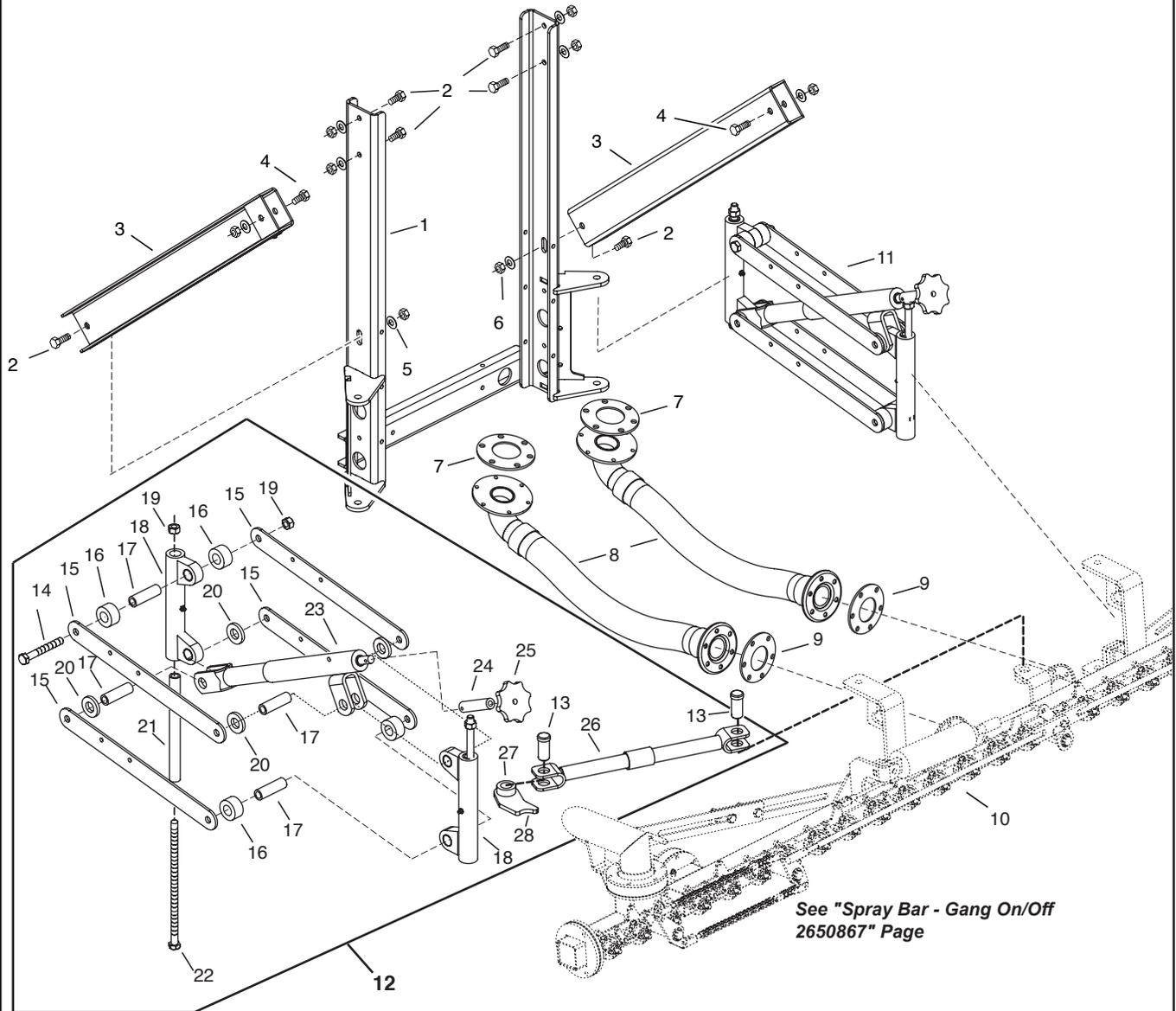


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3361014	1	Washdown-26' Hose & Wand Asm (Includes Ref #'s 2 - 5)	10	6601821	1	Coupling-Quick Connect, 1/4NPT
2	6600324	AR	Hose-Hyd, 0.38, 300 WP/FT	11	2690286	2	Bracket Asm-Fuel Line
3	4480132	1	Wand-Sprayer	12	6500416	1	Fuel Pump-Elec., 12VLT, 250646BS
4	6601820	1	Nipple-Quick Connect, 1/4 Hose	13	6700898	AR	Cable-2-18 Flusher Control /FT
5	6001005	6	Clamp-Hose, Screw Type M5	14	6500366	1	Valve-Ball, 0.25"
6	6600240	2	Elbow Hose Barb-04 x 04MP90, LP	15	6602399	2	Elbow Hose Barb-04 x 02MP90, LP
7	0105417	2	Tee-Pipe, 0.25NPT, PN				AR = As Required
8	6445028	2	Hose End-04 x 04MP, ST, LP				
9	0105405	3	Nipple-Sch 40, 0.25 x 0.87CL, PN				

Spray System - Lift, No Shift

2680990

Optional



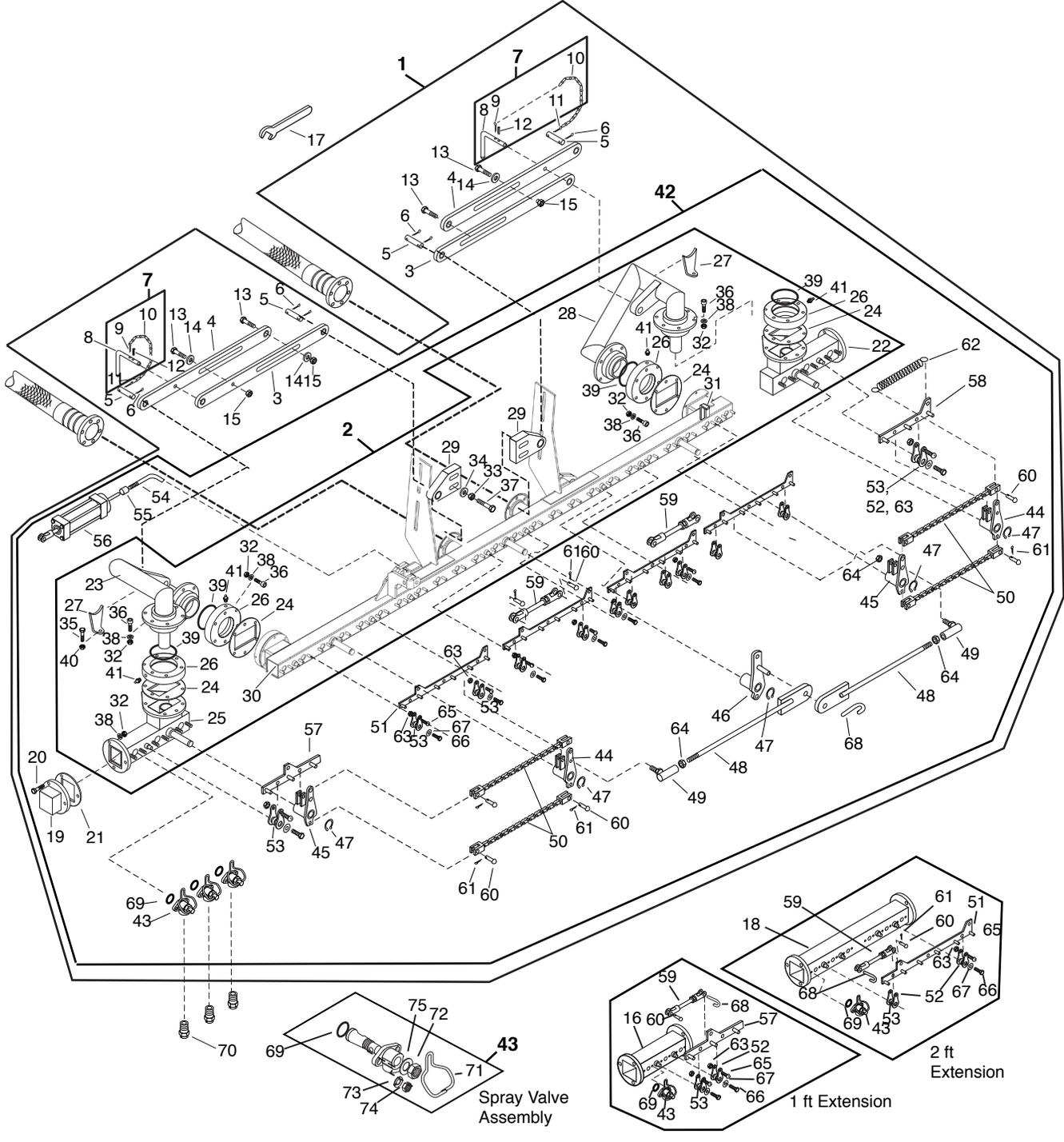
See "Spray Bar - Gang On/Off
2650867" Page

SPRAY SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2611116	1	Drop Tube & Hanger Plate Asm	15	2650513	4	Plate-Arm, Bar Carry
2	0455000	6	Screw-Hex, 0.50"NC x 1.25", Gr8, PD	16	2650563	4	Spacer-Bar Carry, 1 1/16"
3	2611118	2	Brace-Bar Carry, Skid	17	2650516	4	Tube-Vertical Pivot, Bar Carry
4	0186635	2	Screw-Hex, 0.50"NC x 3.0", Gr8, PD	18	2650517	2	Pivot Arm-Horiz/Vert, Bar Carry
5	0120396	8	Washer-Flat, 0.50", 0.531" x 1.062", PD	19	0124589	3	Nut-Hex, 0.625"NC
6	9411727	8	Nut, Hex, Lock, 0.50"NC, EA, PD	20	2650562	4	Spacer-Bar Carry, 5/16"
7	3352615	2	Gasket-Spraybar, Swivel	21	2650515	2	Tube-Inner, Bar Carry
8	6604621	2	Hose Asm-SST, 2.0" x 30.5" w/ Braid	22	6100435	2	Screw-Hex-Gr50.625"UNC x 13.0"
9	6001201	2	Gasket-2.0" Flange	23	6001255	1	Jack
10	2650867	1	Spraybar Asm-Center, 10', Air, Gang	24	2650548	1	Hub-Handwheel
11	2650754	1	Manual Lift Asm-Spraybar (Includes Ref #'s 14-25)	25	3300938	1	Handwheel-0.50" Hole
12	2650843	1	Manual Lift-No Shift (Includes Ref #'s 13 - 28)	26	2650844	1	Stabilizer Arm
13	2650848	2	Pin-Shift Stabilizer	27	2650829	1	Bushing-Bar Shift Cylinder
14	0228011	1	Capscrew-Gr5, 0.625"UNC x 4.75"	28	2650831	1	Lug-Bar Shift Cylinder

Spray Bar - 10'- Gang On/Off
Fixed Mount Bar
 2650826

SPRAY SYSTEM



Spray Bar 10' - Gang On/Off

Fixed Mount Bar

2650826

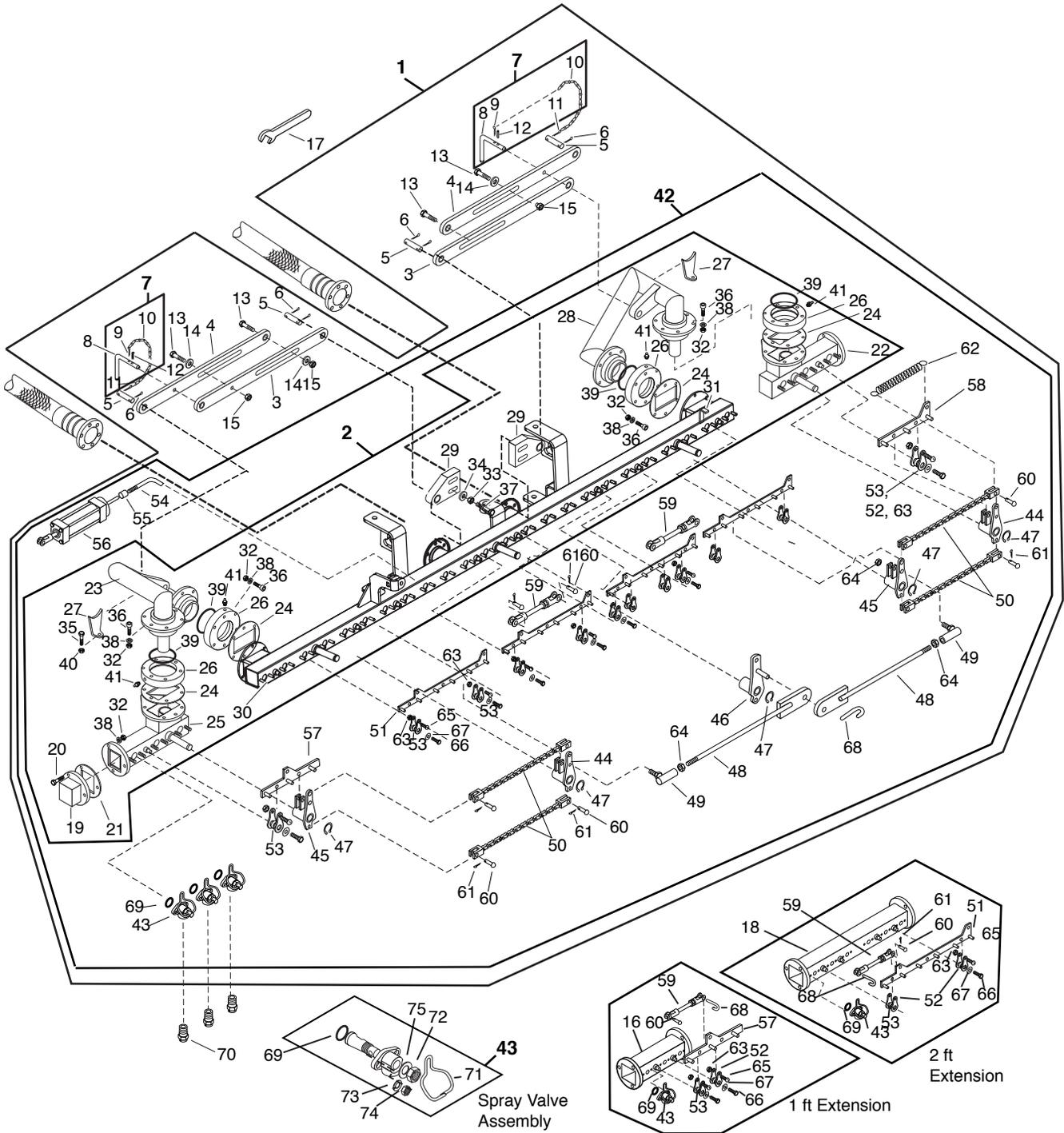
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2650819	1	Spraybar Asm-8' Ctr, Gang, Rigid <i>(Includes Sub Asm 2, 7, 42, & Ref Numbers 3-6, 8-15, 19-21, 54-56)</i>	46	3352844	1	Toggle Asm
2	2650821	1	Spray Bar Asm-Gang, Rigid <i>(Includes Ref #'s 22-41)</i>	47	6000571	5	Retaining Ring
3	3361127	2	Bar Wing Up (Lg)	48	3352858	2	Rod Asm-Control
4	3361128	2	Bar Wing Up	49	6100126	2	Balljoint, 0.44 NC
5	3311593	4	Pin-Cylinder Lift / Shift, Manual	50	3352476	4	Chain Asm
6	0137204	8	Pin-Cotter, 0.12" x 1.5" PD	51	3352750	4	Control Bar Asm - Vlv, Ctr, Mod, Gang
7	3350785	2	Pin Asm-Yoke, Relieving Sect <i>(Includes Ref #'s 8-12)</i>	52	2650637	20	Guide Lever Asm
8	3350786	2	Yoke Pin	53	2650636	10	Spacer-Guide Lever
9	0103384	2	Pin-Cotter, 0.12" x 0.75", PD	54	2680869	1	Link-Connection, Bar On & Off
10	3350688	2	Chain-Tenso, 1 x 9 Lg	55	2690288	1	Coupling- Air Gang On & Off
11	6000404	2	S-Hook-W.D. Allen, 0.56" x 1.25" Lg	56	LD18063	1	Cylinder-Air, 2.5" Bore, 6 in Stroke
12	0456540	2	Pin-Spring, 0.19" x 0.62", HV, PN	57	3352758	1	Control Bar Asm - 1' Section
13	0122472	4	Screw-Hex, 0.50"NC x 2.5", Gr2, PD	58	3352799	1	Control Bar Asm - 1' Section
14	0120390	4	Washer-Flat, 0.50"A, W, PD	59	3350567	2	Adjusting Link Asm
15	9411727	4	Nut-Hex, Lock, 0.50"NC, EA, PD	60	6000397	14	Rivet-Rd Hd, 0.25 x 0.88, Drilled
16	2650534	AR	Spray Bar-1Ft. Extension, Gang	61	0103374	14	Cotter Pin, 0.09 x 1.00, PD
17	6000376	1	#5 Armstrong Wrench	62	6001146	1	Extension Spring, 0.75 OD x 4.00
18	3352741	1	2' Add On Wing	63	9413946	8	Lock Nut, 0.25NC, EA, PD
19	2650428	2	Tube-Pump Adapter, Pressure 140	64	9413947	4	Lock Nut, 0.44 NC, EA, PD
20	0180124	6	Screw-Hex, 0.38"NC x 1.25", GR5, PD	65	0133046	8	Machine Screw, 0.25 x 0.88, PD
21	3352592	2	Gasket-End Cap	66	0121852	8	Screw, 0.38NC x 0.50 GR2, PD
22	2650503	1	Spray Bar-Wing Weldment, RH	67	0120388	8	Flat Washer, 0.38
23	2650491	1	Pipe-Tube Weldmnt, LH-Swivel	68	3350708	1	Pull Pin
24	2650504	4	Gasket-Wing, Swivel Joint	69	6602895	30	O-Ring
25	2650501	1	Spray Bar-Wing Weldment, LH	70		AR	Nozzle - <i>See Spray Bar Nozzle Chart for Part No.</i>
26	2650481	4	Flange, Swivel, Spray Bar	71	3352483	1	Flip Lever
27	2650486	2	Bracket, Wing Shear	72	6100246	1	Nut-Jam, Lock, 0.50NF
28	2650499	1	Pipe-Tube Weldmnt,RH-Swivel	73	0120214	48	Lock Washer, 0.31, Spring, PD
29	2650506	2	Lug Asm-Wing Raise, Adj	74	0120376	48	Nut, 0.31NC, PD
	6420194		Bushing-DU, 1x1.12x1	75	3351620	1	Washer
30	2650822	1	Center Bar Weldment, 8Ft, Rigid				AR = As Required
31	3352802	1	Wing Stop-Gang Bar				NOTE:Spray Nozzles are NOT included with spray bar sections. Nozzles must be ordered separately.
32	0120376	24	Nut-Hex, 0.31NC, PD				
33	0120384	4	Washer-Lock, 0.50, Spring, PD				
34	0120390	4	Washer-Flat, 0.50A, W., PD				
35	0180024	2	Screw-Hex, 0.25NC x 1.25, Gr5, Pd				
36	0180087	24	Screw-Hex, 0.31"NC x 2.0", GR5, PD				
37	0180181	4	Screw-Hex,0.50NCx2.00, GR5,PD				
38	0120214	24	Washer-Lock, 0.31, Spring, PD				
39	6445055	4	Vitron O-Ring, 1500PSI Max				
40	9413946	2	Nut-Hex, Lock, 0.25NC, Ea, Pd				
41	9411010	4	Fitting-Lube, Stght, 1/8" x 11/16"				
42	2650820	1	Spraybar Asm-Ctr, 10Ft., Gang, Rigid <i>(Includes Sub Asm 2, 43 & Ref #'s 19-21, 44-69)</i>				
43	3352743	30	Flip Valve Asm <i>(Includes Ref #'s 69, 71-77)</i>				
44	3352811	2	Toggle Asm, LT				
45	3352812	2	Toggle Asm, RT				

SPRAY SYSTEM

Spray Bar - Gang On/Off

2650870

SPRAY SYSTEM



Spray Bar, 10' - Gang On/Off

2650870

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2650867	1	Spraybar Asm-8' Ctr, Gang, Rigid <i>(Includes Sub Asm 2, 7, 42, & Ref Numbers 3-6, 13-15)</i>	46	3352844	1	Toggle Asm
2	2650865	1	Spray Bar Asm-Gang, Rigid <i>(Includes Ref #'s 19 - 30, 41)</i>	47	6000571	5	Retaining Ring
3	3361127	2	Bar Wing Up (Lg)	48	3352858	2	Rod Asm-Control
4	3361128	2	Bar Wing Up	49	6100126	2	Balljoint, 0.44 NC
5	3311593	4	Pin-Cylinder Lift / Shift, Manual	50	3352476	4	Chain Asm
6	0137204	8	Pin-Cotter, 0.12" x 1.5" PD	51	3352750	4	Control Bar Asm - Vlv, Ctr, Mod, Gang
7	3350785	2	Pin Asm-Yoke, Relieving Sect <i>(Includes Ref #'s 8-12)</i>	52	2650637	20	Guide Lever Asm
8	3350786	2	Yoke Pin	53	2650636	10	Spacer-Guide Lever
9	0103384	2	Pin-Cotter, 0.12" x 0.75", PD	54	2680869	1	Link-Connection, Bar On & Off
10	3350688	2	Chain-Tenso, 1 x 9 Lg	55	2690288	1	Coupling- Air Gang On & Off
11	6000404	2	S-Hook-W.D. Allen, 0.56" x 1.25" Lg	56	LD18063	1	Cylinder-Air, 2.5" Bore, 6 in Stroke
12	0456540	2	Pin-Spring, 0.19" x 0.62", HV, PN	57	3352758	1	Control Bar Asm - 1' Section
13	Q018590	4	Screw-Hex, 0.50"NC x 2.5", Gr2, PD	58	3352799	1	Control Bar Asm - 1' Section
14	0120390	4	Washer-Flat, 0.50"A, W, PD	59	3350567	2	Adjusting Link Asm
15	9411727	4	Nut-Hex, Lock, 0.50"NC, EA, PD	60	6000397	14	Rivet-Rd Hd, 0.25 x 0.88, Drilled
16	2650534	AR	Spray Bar-1Ft. Extension, Gang	61	0103374	14	Cotter Pin, 0.09 x 1.00, PD
17	6000376	1	#5 Armstrong Wrench	62	6001146	1	Extension Spring, 0.75 OD x 4.00
18	3352741	1	2' Add On Wing	63	9413946	8	Lock Nut, 0.25NC, EA, PD
19	2650428	2	Tube-Pump Adapter, Pressure 140	64	9413947	4	Lock Nut, 0.44 NC, EA, PD
20	0180124	6	Screw-Hex, 0.38"NC x 1.25", GR5, PD	65	0133046	8	Machine Screw, 0.25 x 0.88, PD
21	3352592	2	Gasket-End Cap	66	0121852	8	Screw, 0.38NC x 0.50 GR2, PD
22	2650503	1	Spray Bar-Wing Weldment, RH	67	0120388	8	Flat Washer, 0.38
23	2650491	1	Pipe-Tube Weldmnt, LH-Swivel	68	3350708	1	Pull Pin
24	2650504	4	Gasket-Wing, Swivel Joint	69	6602895	30	O-Ring
25	2650501	1	Spray Bar-Wing Weldment, LH	70		AR	Nozzle - See Spray Bar Nozzle Chart for Part No.
26	2650481	4	Flange, Swivel, Spray Bar	71	3352483	1	Flip Lever
27	2650486	2	Bracket, Wing Shear	72	6100246	1	Nut-Jam, Lock, 0.50NF
28	2650499	1	Pipe-Tube Weldmnt,RH-Swivel	73	0120214	48	Lock Washer, 0.31, Spring, PD
29	2650506	2	Lug Asm-Wing Raise, Adj	74	0120376	48	Nut, 0.31NC, PD
	6420194		Bushing-DU, 1x1.12x1	75	3351620	1	Washer
30	2650866	1	Center Bar Weldment, 8Ft, Rigid				
31	3352802	1	Wing Stop-Gang Bar				AR = As Required
32	0120376	24	Nut-Hex, 0.31NC, PD				
33	0120384	4	Washer-Lock, 0.50, Spring, PD				NOTE:Spray Nozzles are NOT included with spray bar sections. Nozzles must be ordered separately.
34	0120390	4	Washer-Flat, 0.50A, W., PD				
35	0180024	2	Screw-Hex, 0.25NC x 1.25, Gr5, Pd				
36	0180087	24	Screw-Hex, 0.31"NC x 2.0", GR5, PD				
37	0180181	4	Screw-Hex,0.50NCx2.00, GR5,PD				
38	0120214	24	Washer-Lock, 0.31, Spring, PD				
39	6445055	4	Vitron O-Ring, 1500PSI Max				
40	9413946	2	Nut-Hex, Lock, 0.25NC, Ea, Pd				
41	9411010	4	Fitting-Lube, Stght, 1/8" x 11/16"				
42	2650864	1	Spraybar Asm-Ctr, 10Ft., Gang, Rigid <i>(Includes Sub Asm 2, 43 & Ref #'s 44-59, 62, 68 & 69)</i>				
43	3352743	30	Flip Valve Asm <i>(Includes Ref #'s 69, 71-77)</i>				
44	3352811	2	Toggle Asm, LT				
45	3352812	2	Toggle Asm, RT				

SPRAY SYSTEM

Spray Bar Nozzle Chart



1

3351013



2

3353788



3

3351008



4

3351009



5

3352368



6

3351015



7

3352204



8

3352205



9

3352210



10

3351014



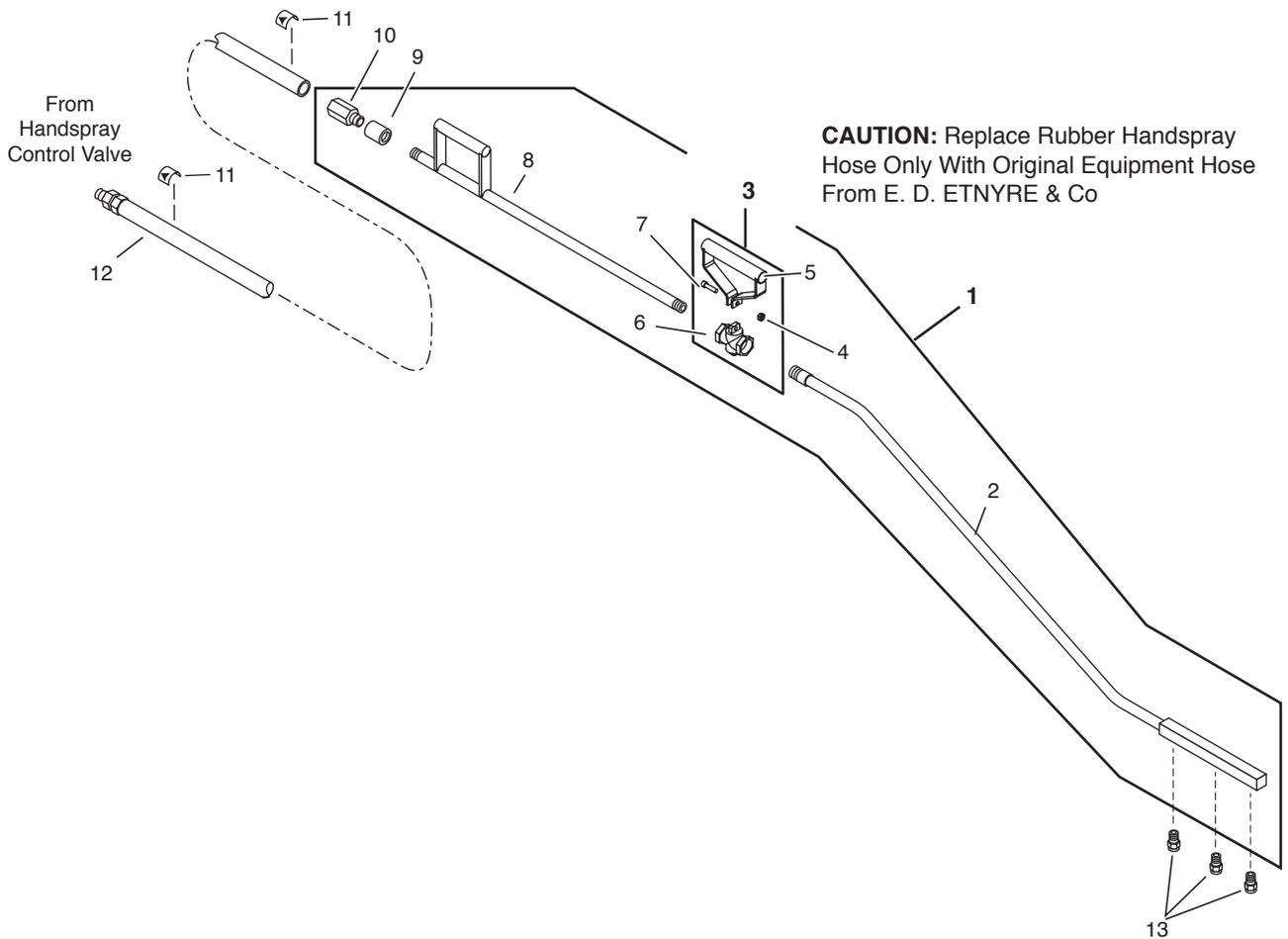
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3351010

Ref.	Part No.	Description	Application Per Square Yard	Application (Metric) Liters Per Square Meter	Flow Gallons Per Minute Per Foot
1	3351013	1/16" Coin Slot	.05 - .20	.23 - .90	3.0 to 4.5
2	3353788	V Slot Tack Nozzle	.05 - .20	.19 - .75	3.0 to 4.5
3	3351008	S36-4 V Slot	.10 - .35	.38 - 1.30	4.0 to 7.5
4	3351009	S36-5 V Slot	.18 - .45		7.0 to 10.0
5	3352368	Multi-Material V Slot	.15 - .40	.57 - 1.50	6.0 to 9.0
6	3351015	3/32" Coin Slot	.15 - .40	.57 - 1.50	6.0 to 9.0
7	3352204	Multi-Material V Slot	.35 - .95	1.30 - 3.60	12.0 to 21.0
8	3352205	Multi-Material V Slot	.20 - .55	.75 - 2.08	7.5 to 12.0
9	3352210	End Nozzle (3352205)	.20 - .55	.75 - 2.08	7.5 to 12.0
10	3351014	3/16" Coin Slot	.35 - .95	1.30 - 3.60	12.0 to 21.0
11	3351010	1/4" Coin Slot	.40 - 1.10	1.50 - 4.16	15.0 to 24.0

SPRAY SYSTEM

Handspray

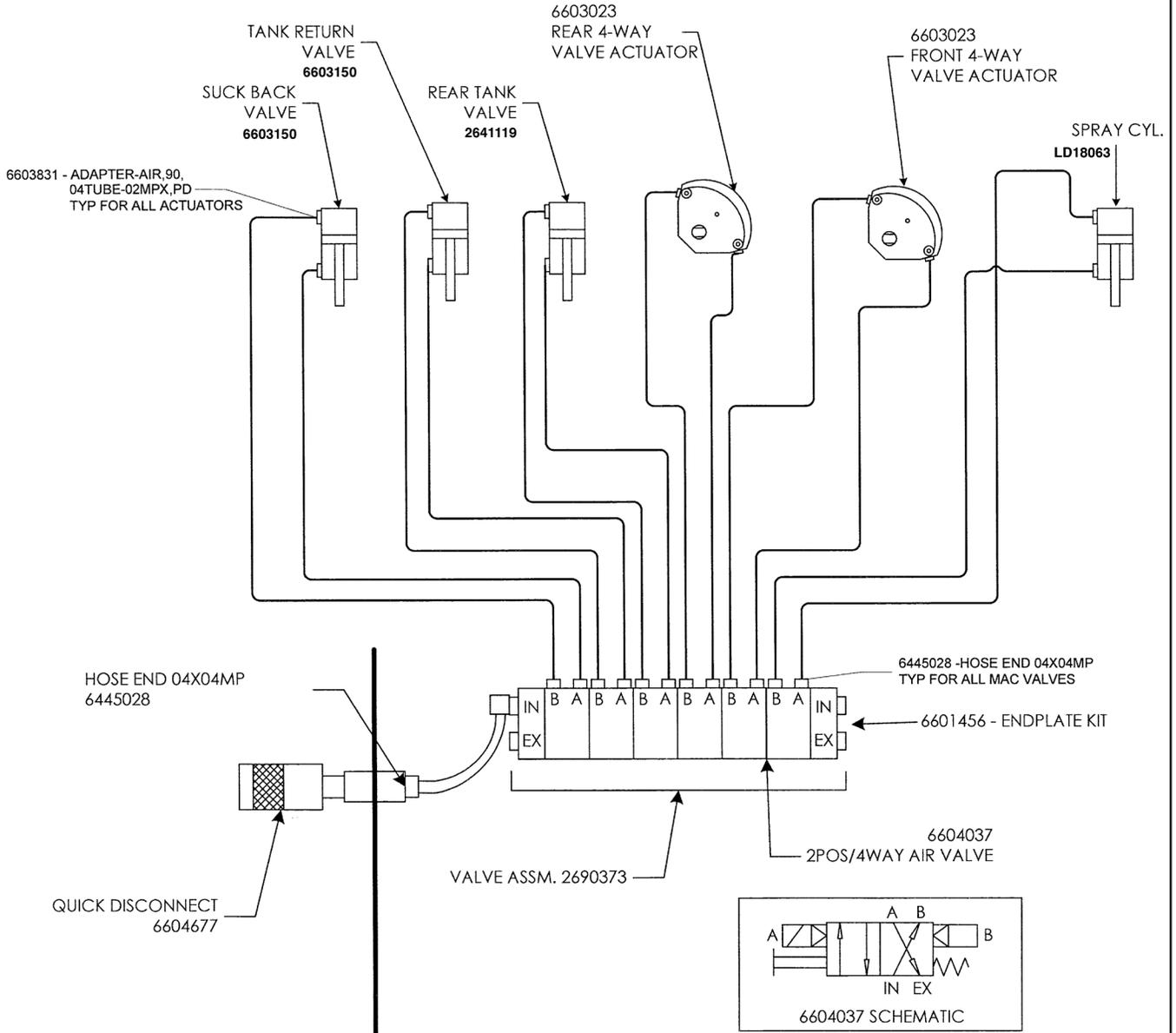


SPRAY SYSTEM

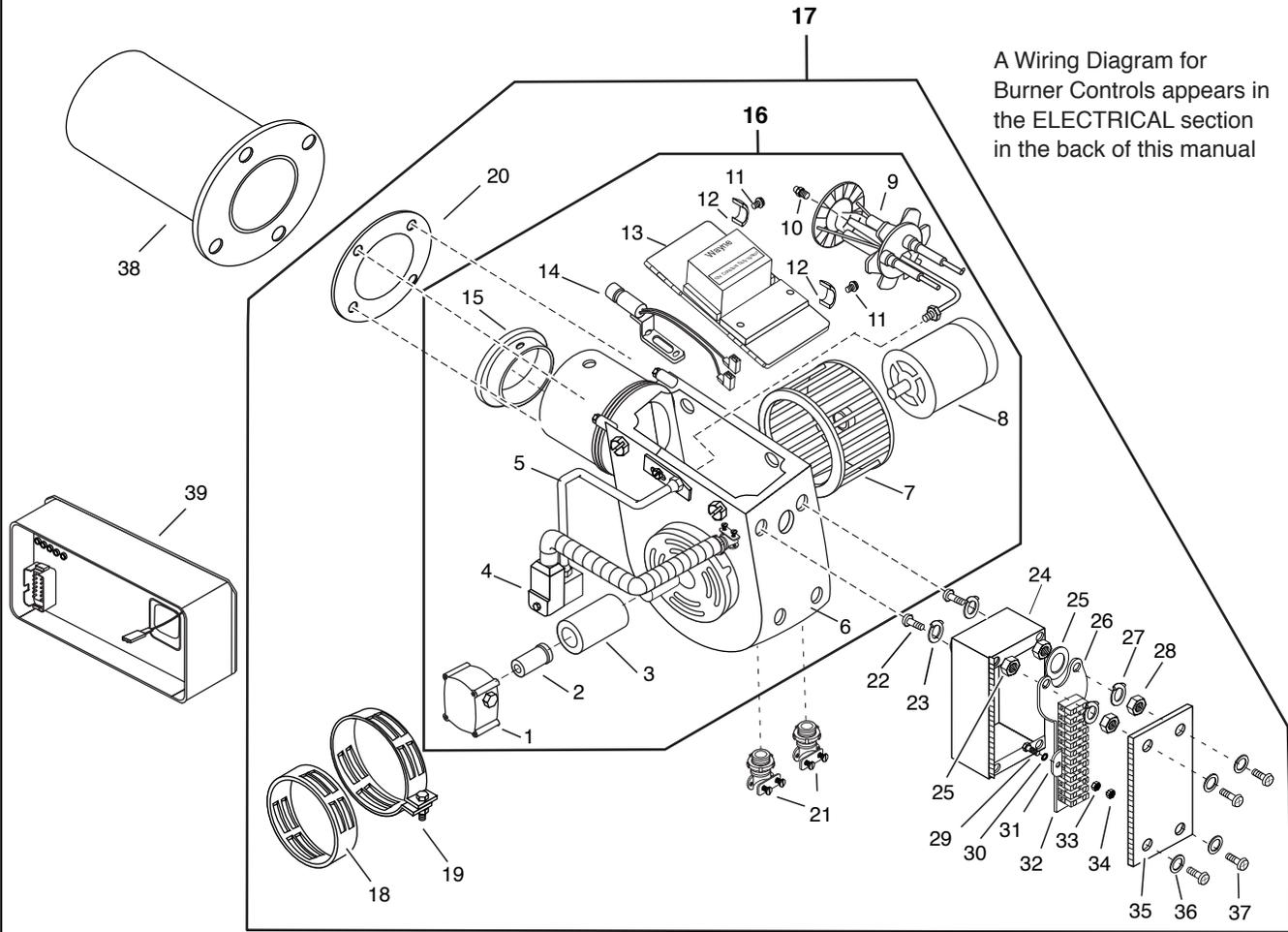
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3380785	1	Gun Assembly-Handspray, Phase II <i>(Includes subassembly 3, and Ref #'s 4-10)</i>				
2	3380788	1	Tube Asm-Offset, Handspray Gun				
3	3380965	1	Valve Asm-Hand Spray Gun <i>(Includes Ref #'s 4 - 7)</i>				
4	9413946	1	Nut-Hex, Lock, 0.25"NC, PD				
5	3380963	1	Handle Weldment-0.75" H.S. Valve				
6	660015	1	Valve-Ball, Brz, 0.75" Flat Head				
7	0454479	1	Screw-Sock, 0.25"NC x 1.0", PD				
8	3380787	1	Tube Asm-Handspray Gun				
9	0111661	1	Coupling-Pipe, 0.75, Plain				
10	6603430	1	Swivel-Hyd, Viton, 0.75" M & F Pipe				
11	3390591	2	Tag-Caution, Handspray Hose				
12	6602720	1	Hose-Handspray, 0.75 In x 25 Ft				
13	3352205	3	Nozzle-V Type, Nominal 3.5 GPM				

Air Controls Schematic - 9306444

AIR SYSTEM



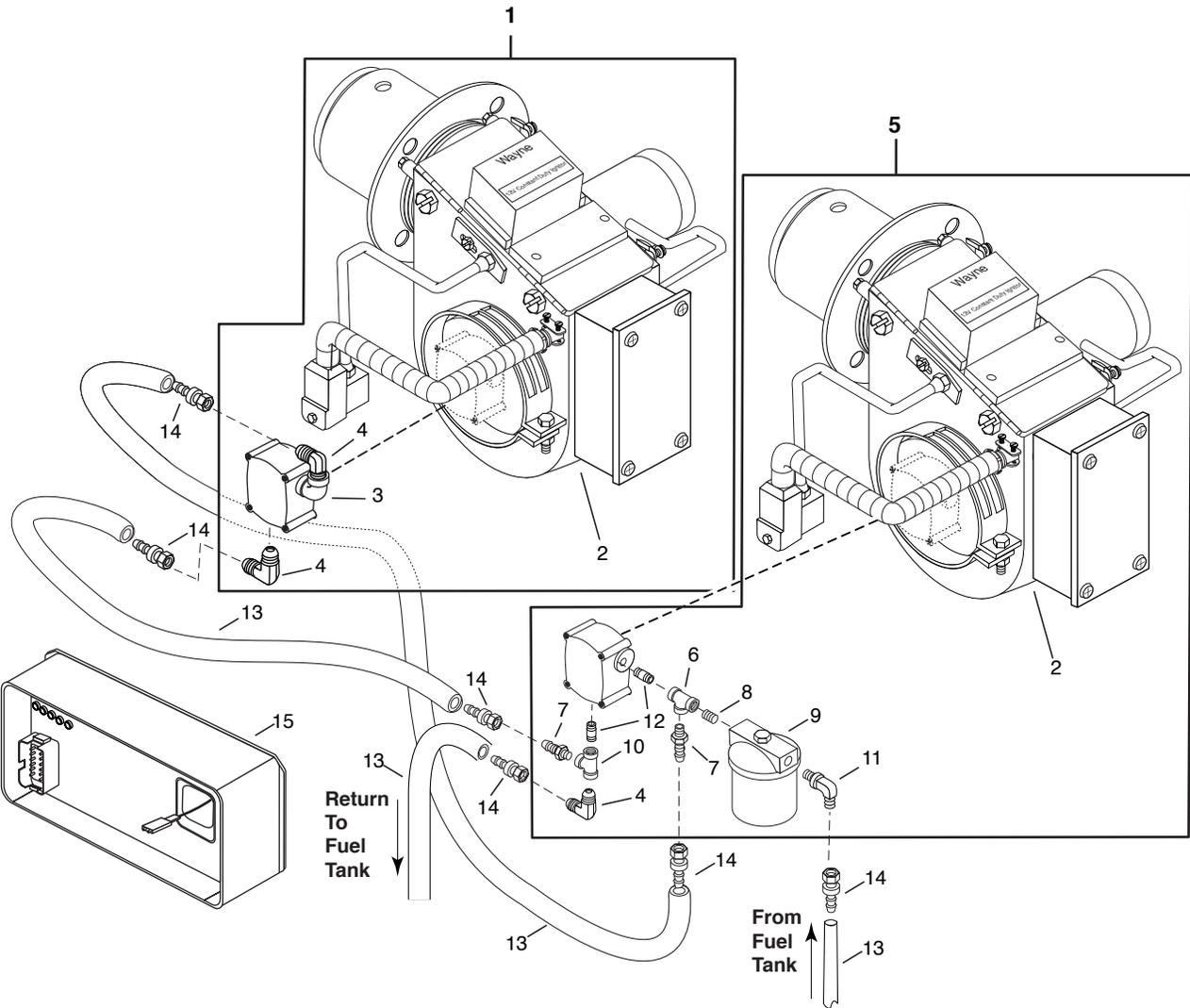
Fuel Oil Burner Installation, Wayne Burners



BURNER SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	7050878	1	Fuel Pump-Wayne	21	6700015	2	Connector-Romex 0.375 in.
2	7050879	1	Drive Coupling-Wayne	22	0180022	2	Capscrew-GR5, 0.25 in UNC x 1 in. Lg
3	7050886	1	Blower Bushing-Wayne	23	0125753	2	Washer-Lock, 0.25 in., Tooth, Ext, PD
4	7050882	1	12V Fuel Valve-Wayne	24	3370648	1	Box-Electrical, Wayne
5	7050887	1	Fuel Line-Wayne	25	Q476100	1	Grommet-Black Rubber, 0.75 in I.D.
6	7050876	1	Housing Assembly-Wayne	26	3370649	1	Mounting Plate-Terminal Strip
7	7050880	1	Wayne Blower-Wayne	27	0120380	2	Washer-Lock, Spring, 0.25 in.
8	7050877	1	12V Motor-Wayne	28	0120375	2	Nut-Hex, 0.25 in. NC
9	7050883	1	Gun Assembly-Wayne	29	0436752	1	Screw-Mach., Pnsl, 10NF x 0.75 in. PD
10	7050884	1	Nozzle 2.5 GPH-Wayne	30	0138479	1	Lock- #10, Tooth, EXT, PD
11	7050874	2	Lid Screw-Wayne	31	3370555	1	Bar-Jumper, 4 Pole for 6703828
12	7050873	2	Lid Clip-Wayne	32	6703828	1	Terminal Strip-12Pole, 10/14 AWG
13	7050881	1	Ignitor-Wayne	33	0120614	1	Nut-Hex, Mach., 10NF, PD
14	7050885	1	Cad Eye-Wayne	34	0271169	1	Nut-Hex, LK, Wsh Ins, 10-32, PD
15	7050888	1	Air Cone-Wayne	35	3370650	1	Lid-Electrical Box, Wayne
16	6500449	1	Burner-Modified, Wayne (Includes Ref #'s 1 - 15)	36	6001972	4	Washer-Csk, #8, SS, 0.53" O.D. x 0.13") TK
17	3331520	1	Burner Assembly (Includes Sub Asm 16, and Ref #'s 18 - 37)	37	6002119	4	Screw-Mach., Fltchd, 8NC x 0.50", SS
18	6500465	1	Band-Inner E/FH Air	38	3331519	1	Optional SS Flue Liner
19	6500466	1	Band-Outer 8 Hole E/F Air	39	6500456	1	Burner Control Asm
20	3331521	1	Plate-Wayne Burner Mount				

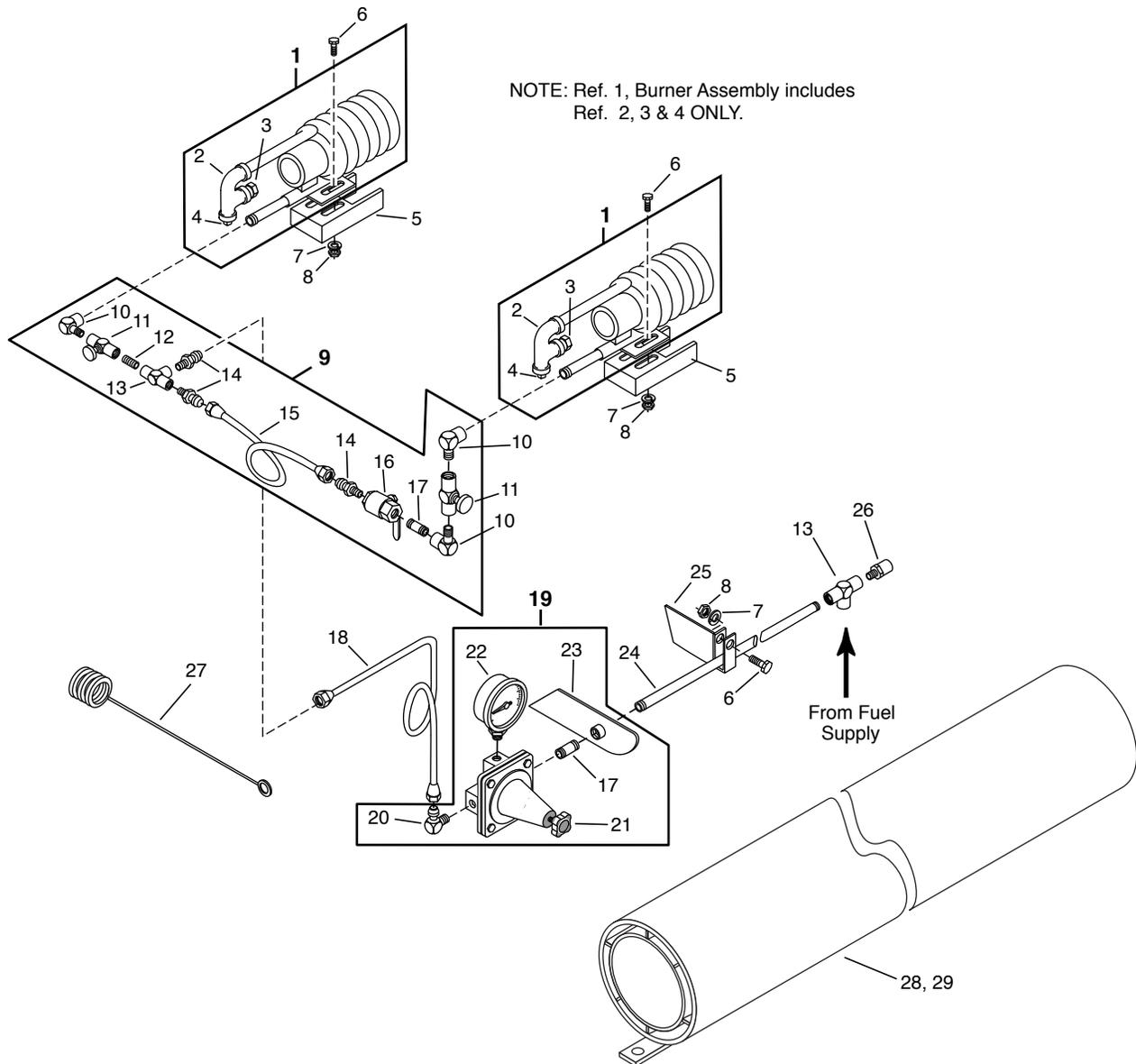
Fuel Oil Burner Installation - Dual Burners



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3331597	1	Mod. Wayne Burner Asm-Lower Burner (Includes Ref #'s 2-4)	10	0105417	1	Pipe-Tee, 0.25 in. NPT, PN
2	6500449	2	Burner Assembly	11	6200179	1	Elbow-Flared Tube, Liget 10F33
3	0105423	1	Elbow-Pipe, 90, ST, 0.25NPT, PN	12	6200417	2	Nipple-Sch 40, 0.25 in. x 2.0 in., PN
4	0118755	3	Elbow-Auto, 90, 04MP-06MS	13	6600324	AR	Hose-0.38 per Foot
5	3331598	1	Mod. Wayne Burner Asm-Upper Burner (Includes Ref #'s 2, 4, 6-12)	14	6600306	6	Hose End-06 x 06 FSX, ST, LPSP
6	0218239	1	Pipe-Tee, 0.38 in. x 0.25 in. NPT, PN	15	6500456	1	Burner Control Asm
7	0118750	2	Adapter-Auto, ST, 04MP-06MS				AR= As Required
8	6200443	1	Nipple-Sch 80, 0.38 x CL, PN				
9	6500342	1	Filter Asm				
	7730001	1	Filter Element-Oil, Replacement				

LPG Burners

NOTE: Ref. 1, Burner Assembly includes
Ref. 2, 3 & 4 ONLY.

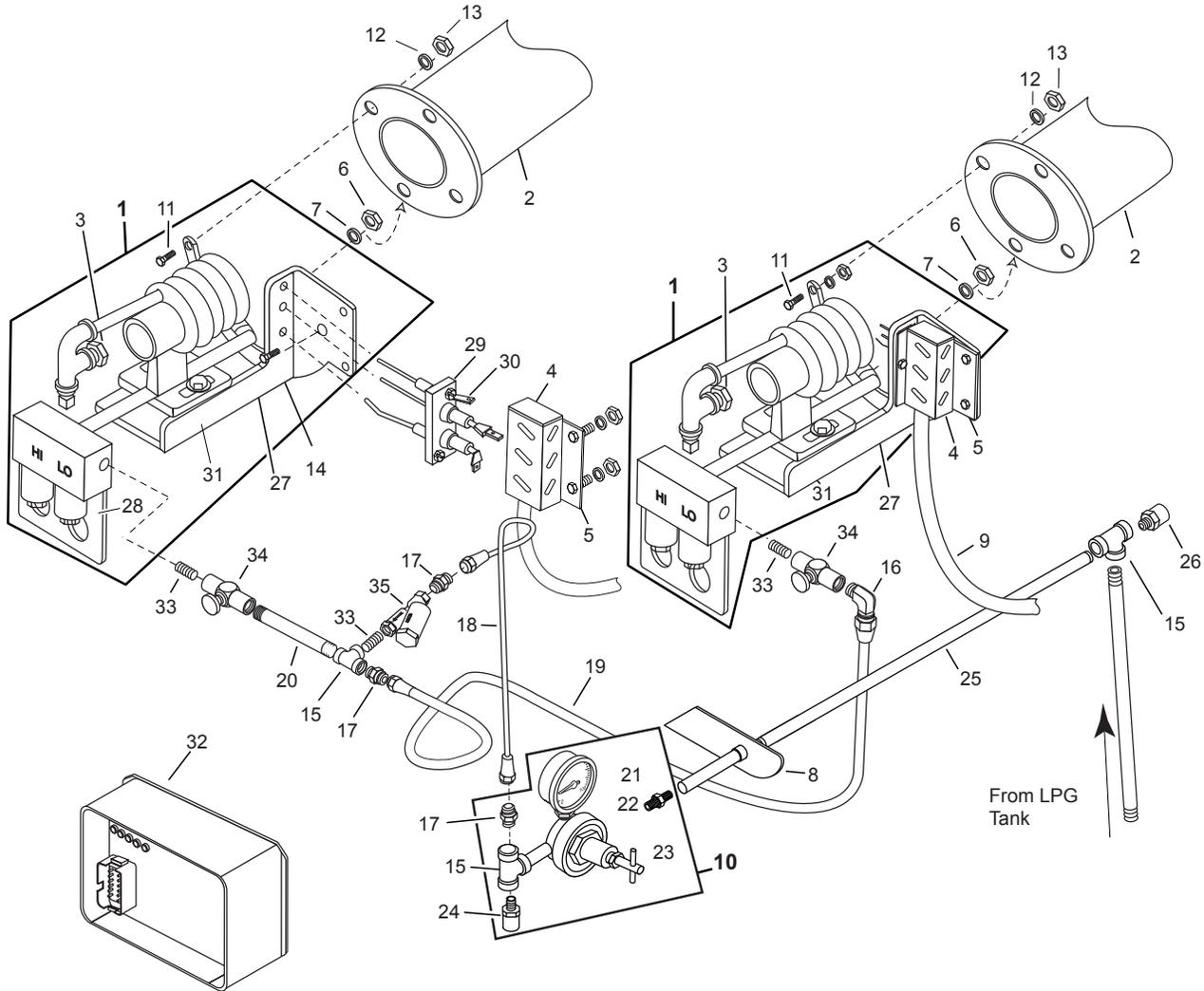


BURNER SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3331073	2	Burner Asm (Includes Ref #'s 2-4)	16	6500366	1	Ball Valve, 0.25
2	3331036	1	Vapor Plug Holder	17	6200417	2	Nipple-Sch 80, 0.25 x 1.50
3	3331086	1	Nozzle	18	3331362	1	Tube Asm
4	0219191	1	Pipe Plug, SqHd, 0.38NPT	19	3331885	1	Regulator Asm (Includes Ref #'s 17, 20-23)
5	3331870	1	Mounting Bracket Asm	20	0118755	1	Elbow-Auto, 90, 04MP-06MS
6	0121887	5	Screw, 0.25NC x 0.75	21	7720018	1	Pressure Regulator
7	0120380	5	Lock Washer, 0.25	22	6600196	1	Pressure Gauge, 2", 0-100 PSIG
8	0120375	5	Nut, 0.25NC	23	3331875	1	Bracket Asm
9	7720001	1	Piping Asm (Includes Ref #'s 10-17)	24	3331412	1	Pipe-0.25, Single Axle
10	0454109	3	Elbow-Auto, 04FP-04MP		3331413	1	Pipe-0.25, Tandem Axle
11	6500064	2	Needle Valve, 0.25NPTF, W/Pilot	25	3330185	1	Support Asm
12	6200292	3	Nipple, Sch 80, 0.25 x 0.87CL	26	7720014	1	Relief Valve, 400 PSI
13	0454121	2	Tee-Auto, 04FP-04FP-04FP	27	3330077	1	Lighting Asm
14	0118750	3	Adapter-Auto, ST, 04MP-06MS	28	3331200	AR	Liner Asm-24 In., S.S., 8 In Flue
15	3331108	1	Tube Asm	29	3331196	AR	Liner Asm-48 In., S.S., 8 In Flue

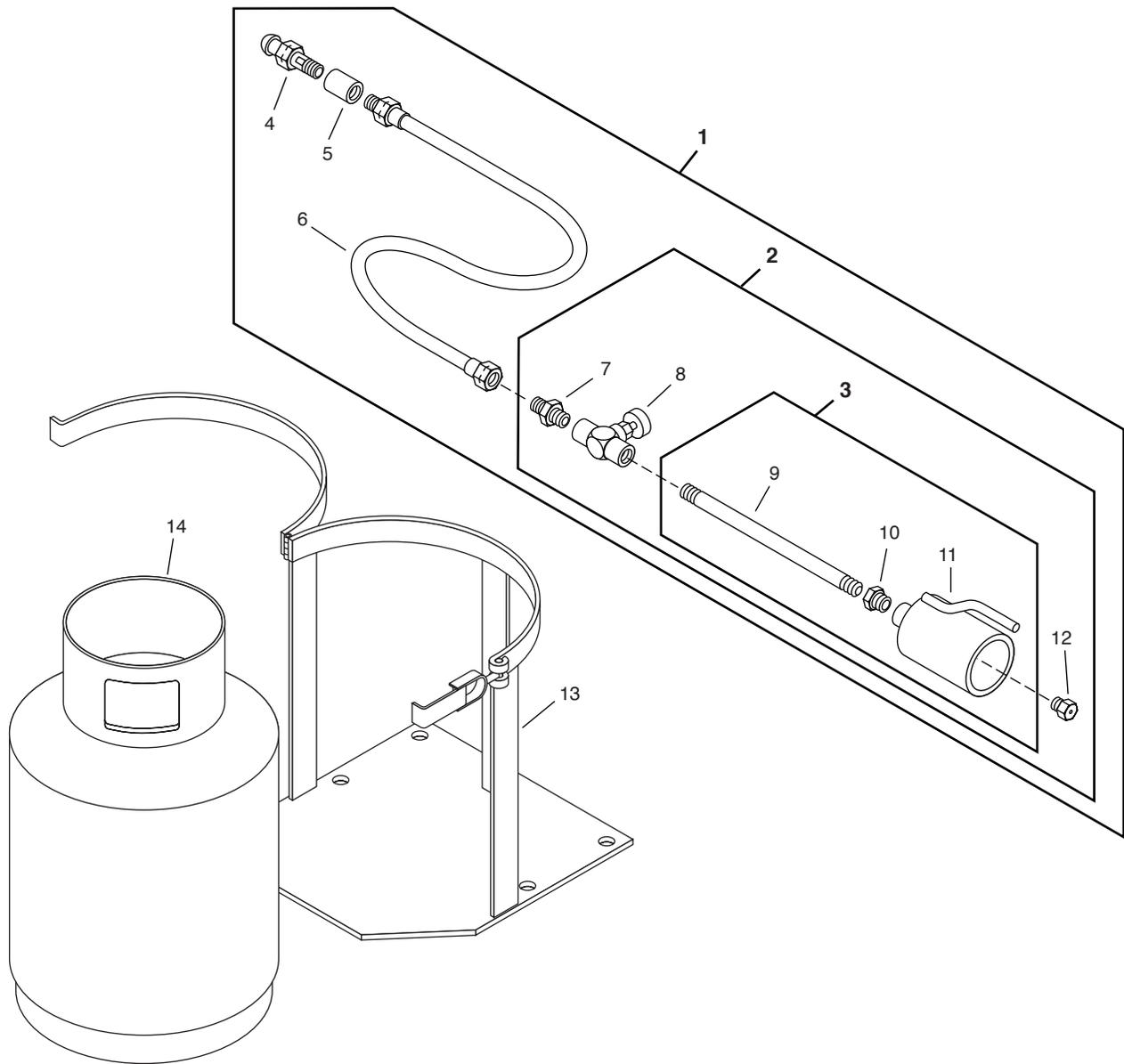
AR =- As Required

LPG Burners With Outfire



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3331661	2	Burner Asm-LPG ETNYRE (includes Ref #'s 3, 28, 31, but NOT 11, 14, 16, 27)	19	3331588	1	Tube Asm-LP, Upper Burner
2	3331519	2	Flue Liner Asm-Fuel Oil-Optional	20	6201180	1	Nipple-Pipe, SCH80, 0.25 x 3 in., PN
3	3331086	2	Nozzle-LPG Burner, Etnyre	21	6600196	1	Gauge-Press, 1 in., 0-100 PSIG
4	3331665	2	Cover-Electrode,High Voltage	22	7720018	1	Regulator-Pressure
5	0180016	6	Capscrew-GR5, 0.250 UNC x 0.50 LG	23	6603998	2	Adapter-Hyd., ST, 04MP-04MP
6	0120375	8	Nut-Hex, 0.250 NC	24	6500461	1	Valve-Relief
7	0120380	8	Washer-Lock, Spring, 0.25 in.	25	6303435	AR	Pipe-Sch 80, 0.25 Generic
8	3331875	1	Bracket Asm-Fuel Line	26	7720014	1	Valve-Relief, 400 PSI LPG Hydro
9	3331593	2	Wire Armor-Hose, 0.50 x 19 In.	27	6000059	2	P-Clip (Not visible in illustration above)
10	3331584	1	Regulator Asm-LPG, WITH SAFETY (Includes Ref #'s 15, 17, 21-24)	28	3331590	2	LP Manifold-Modified Coils
11	0180122	6	Capscrew-GR5, 0.375 UNC x 1.00 LG	29	3331662	2	Electrode-Modified
12	0120382	6	Washer-Lock, Spring, 0.375 in.	30	6703973	2	Tab-Male, 0.25" for #10 Stud
13	0120377	6	Nut-Hex, 0.375 NC	31	3331663	2	Bracket-Burner Assembly
14	0180024	2	Capscrew-GR5, 0.250 UNC x 1.25 LG	32	6500457	1	Burner Control Asm
15	0454121	3	Tee-Auto, 04FP-04FP-0FP, PD	33	6200891	3	Nipple-0.25" x 0.87", CL
16	0118755	1	Elbow-Auto, 90, 04MP-06MS	34	6500064	2	Needle Valve, 0.25"NPTF, w/Pilot
17	0118750	3	Adapter-Auto, ST, 04MP-06MS	35	6500233	1	Strainer-0.25"NPT, Asco 8600A2
18	3331586	1	Tube Asm-Bottle to Burner 36 in.				AR - As Required

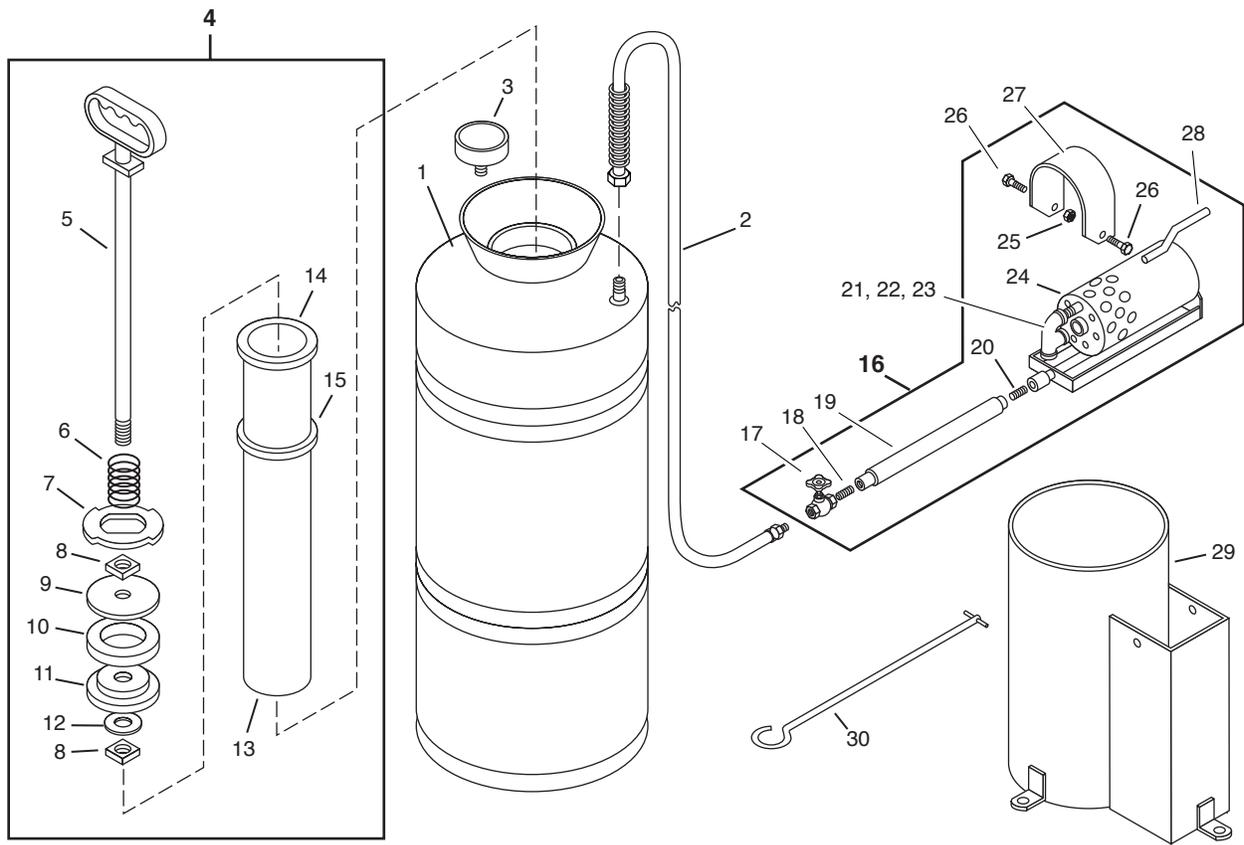
Portable Burner - Vapor Propane



BURNER SYSTEM

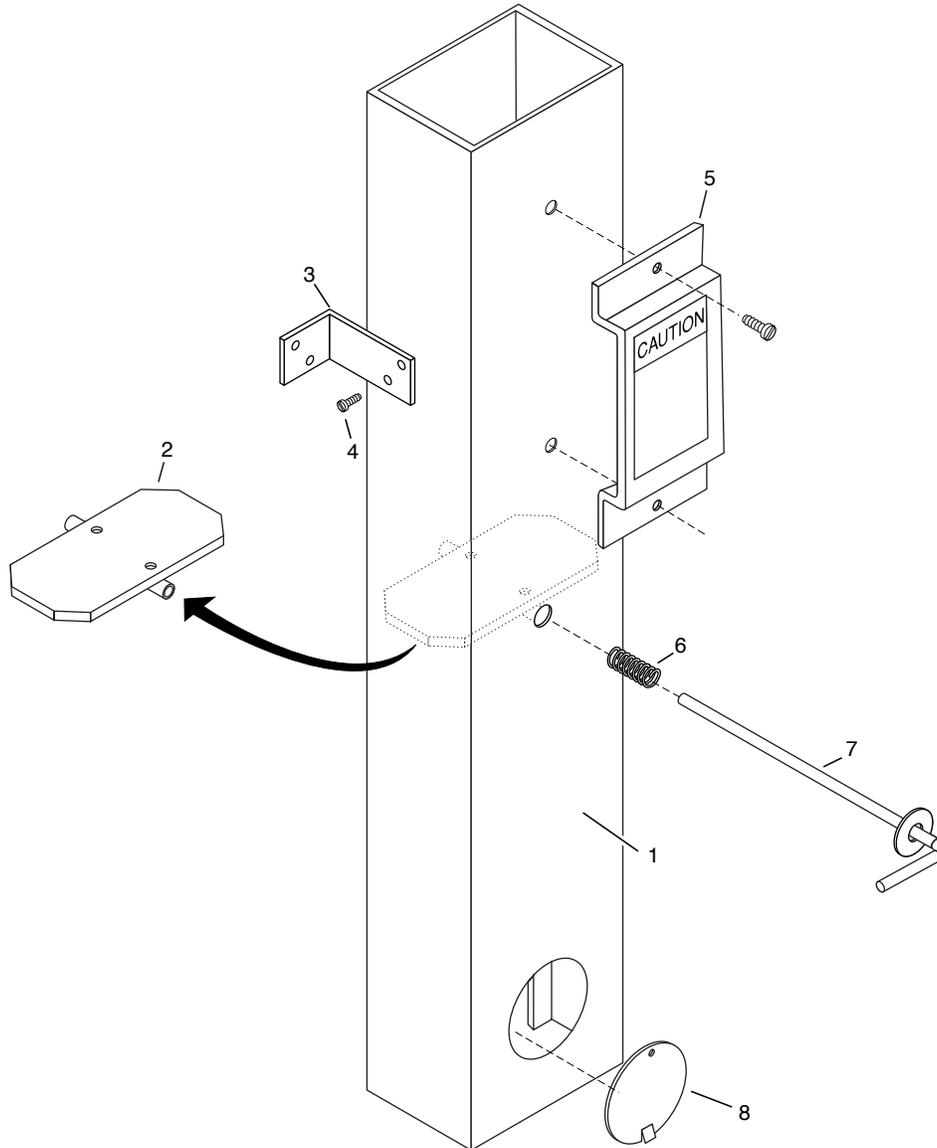
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	7720046	1	Burner Asm-Propane Vapor (Includes Assemblies 2 & 3, & Ref #'s 4-6)	9	6200251	1	Pipe-Sch 40, 0.25 x 3.00, TBE,PN
2	3330296	1	Burner Asm-Portable, LPG Vapor (Includes Assembly 3, & Ref #'s 7,8, 12)	10	0119931	1	Bushing-Pipe, 0.38 x 0.25NPT,PN
3	3330297	1	Burner Asm-Portable, LPG Vapor (Includes Ref #'s 9-11)	11	3330298	1	Shroud Asm-Portable Burner
4	6600043	1	Connector-Tank LPG	12	3330001	1	Plug-Vaporizing
5	0144068	1	Coupling-Pipe, 0.25NPT,PD	13	S389301	1	Mounting Bracket with Quick Release
6	6601692	1	Hose-Burner, Port, Propane, 1/4	14	M395803	1	Cylinder-Propane, Port, 20 lb.
7	4470350	1	Nipple-Hex, 0.25 x 1.125				
8	6500064	1	Valve-Needle, 0.25NPTF, With Pilot				

Portable Generating Burner



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
	6500053	1	Portable Burner Asm (Less Ref #'s 29 & 30)	16	3331382	1	Burner Asm (Includes Ref #'s 17-28)
1	7700086	1	Tank	17	7700024	1	Valve
	7700050	1	Carrying Strap	18	0105405	1	Nipple-0.25 x 0.87, CL
2	7700065	1	Hose-6Ft.	19	2630080	1	Handle Asm
3	7700046	1	Pressure Gauge	20	0121207	1	Nipple-0.38 x 1.00, CL
4	3330462	1	Air Pump (Includes Ref #'s 5-15)	21	3331036	1	Vapor Plug Holder
5	7700089	1	Rod	22	3330002	1	Vaporizing Plug, #54
6	7700090	1	Spring	23	0219191	1	Pipe Plug, SqHd, 0.38NPT
7	7700091	1	Cap	24	3330003	1	Small Burner Asm
8	7700092	2	Nut	25	9413946	2	Lock Nut, 0.25NC
9	7700056	1	Washer	26	0120706	2	Screw-0.25NC x 0.50
10	7700057	1	Washer	27	2630163	1	Cover
11	7700058	1	Washer	28	3330356	1	Holder
12	7700060	1	Washer	29	3330277	1	Burner Carrier Asm
13	7700062	1	Washer	30	6500048	1	Needle
14	7700048	1	Barrel				
15	7700047	1	Gasket				

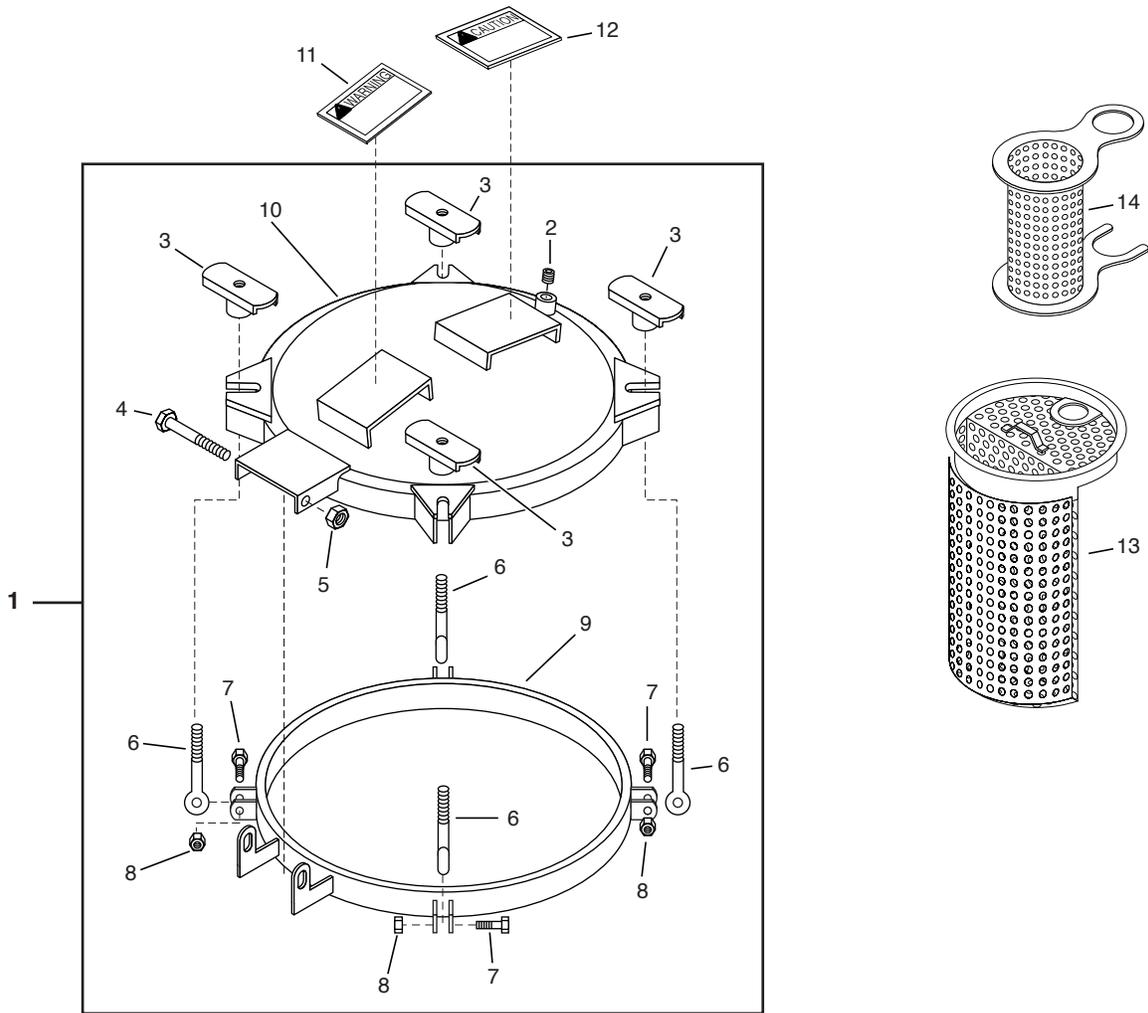
Exhaust Stack Assemblies



BURNER SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2630656	1	Stack Asm-Smoke, 39"				
	2630663	1	Stack Asm-Smoke, 32"				
2	2750044	1	Damper Assembly-Smoke Stack				
3	2680410	1	Bracket-Mounting, Smoke Stack				
4	9426128	8	Screw-Tap, PNSL, 0.2K x 0.50, AB				
5	3390592	1	Bracket Asm-Decal Mount				
	3390562	1	Bracket-Warning Plate Mount				
	3390684	1	Decal: Caution, Hot Surface				
6	6000496	1	Spring-Release, LE ROI #1473				
7	2630014	1	Arm Assembly-Damper Control				
8	2750038	1	Disc-Insp., Smoke Stack				

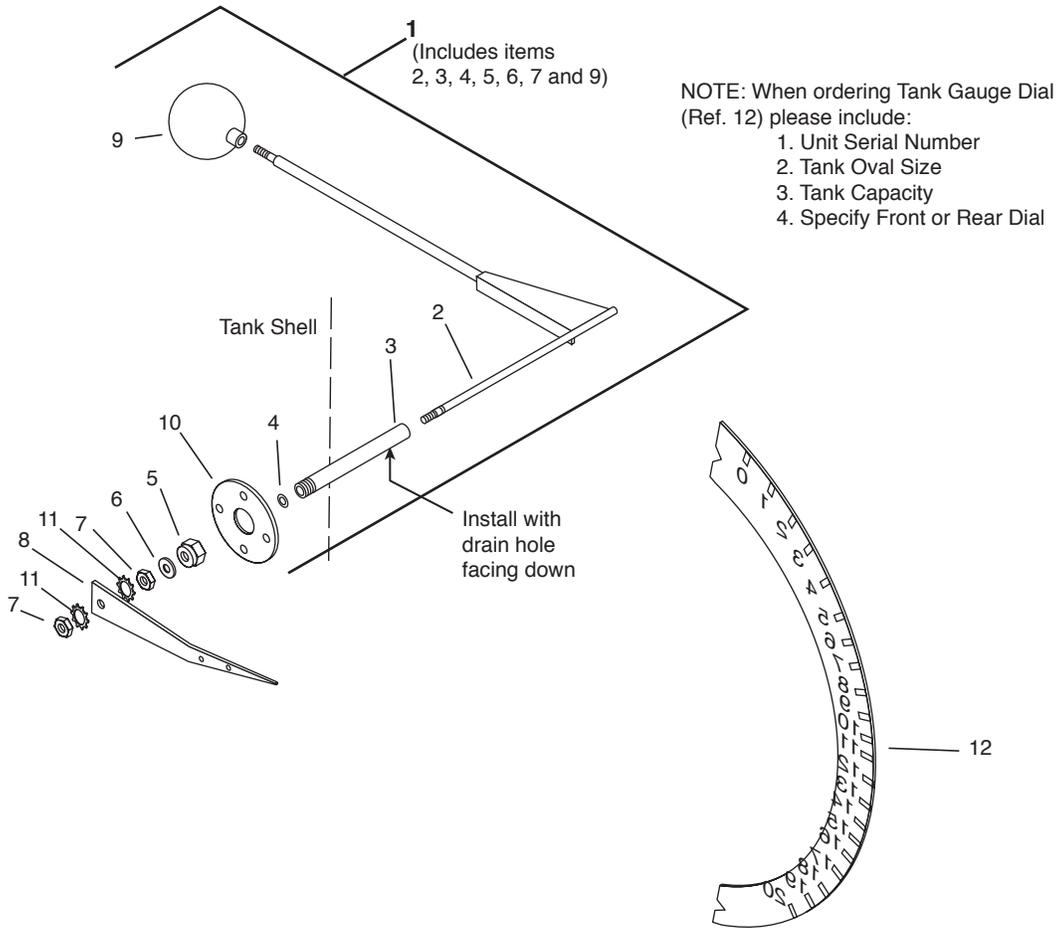
Manhole & Strainers



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2600382	1	Manhole Asm-20 <i>(Includes Ref #'s 2 - 10)</i>	11	3390679	1	Plate-Warning, Manhole
	2700248	1	Gasket-Cover, MH, Non Rel, 20	12	3390684	1	Plate-Caution, Hot Surface
	6001133	1	Garlock-Packmasters, 3/4" Sq	13	2690170	1	20" Strainer
2	0444867	1	Plug-Auto, Hex Sock, 0.38NPTF, PD <i>(Included with Ref. 10)</i>	14	3390695	1	6" Strainer
3	2600376	4	Handle Asm				
4	0188738	1	Screw-Hex, 0.50 NCx 5.50, Gr2				
5	9411727	1	Nut-Hex, Lock, 0.50NC, EA, PD				
6	2600371	4	Bolt-Eye, 20" Manhole				
7	0180128	4	Screw-Hex, 0.38NC x 1.75, Gr5				
8	0274993	4	Nut-Hex, Lock, 0.38NC, PD				
9	2600380	1	Collar Asm-20" Manhole				
10	2600379	1	Cover Asm-20", Manhole				

TANK

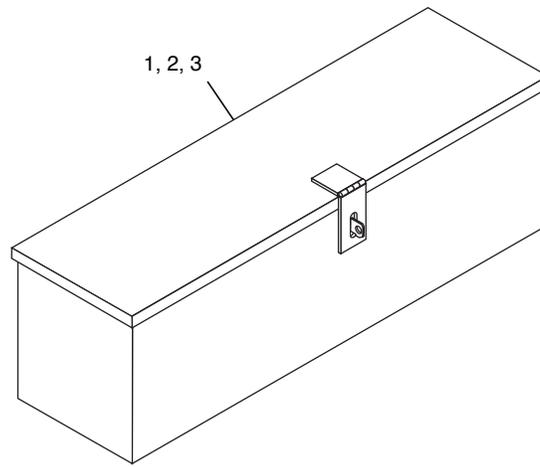
Tank Gauge Assembly



TANK

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2660135	1	Tank Gauge-36x70 Oval	5	2660111	1	Cap-Stem Asm
	2660158	1	Tank Gauge-42x74 Oval	6	0120390	1	Washer-Flat, 0.50A, W, PD
	2660154	1	Tank Gauge-47x78 Oval	7	0120378	2	Nut-Hex, 0.50NC, PD
	2660171	1	Tank Gauge-50x83 Oval	8	2690153	1	Pointer-MU Dial, 53 x 88
	2660139	1	Tank Gauge-53x88 Oval		2690157	1	Pointer-MU Dial, 47 x 78
	2660200	1	Tank Gauge-59x89 Oval		2690160	1	Pointer-MU Dial, 42 x 74
2	2660134	1	Stem Asm-36x70 Oval		2690173	1	Pointer-MU Dial, 36 x 70
	2660157	1	Stem Asm-42x74 Oval		2690175	1	Pointer-MU Dial, 50 x 83
	2660153	1	Stem Asm-47x78 Oval	9	6600335	1	Float Ball
	2660170	1	Stem Asm-50x83 Oval	10	3341199	1	Cover-Jacket, Drive
	2660138	1	Stem Asm-53x88 Oval	11	0135629	2	Washer-Lock, 1/2, Ext Tooth
	2660139	1	Stem Asm-59x89 Oval	12	*	1	Dial-Call With Serial Number
3	2660132	1	Sleeve Asm-36x70 Oval				
	2660160	1	Sleeve Asm-42x74 Oval				
	2660151	1	Sleeve Asm-47x78 Oval				
	2660173	1	Sleeve Asm-50x83 Oval				
	2660137	1	Sleeve Asm-53x88 Oval				
	2660197	1	Sleeve Asm-59x89 Oval				
4	6001199	1	O-Ring, 0.364 ID x 0.70 Width				

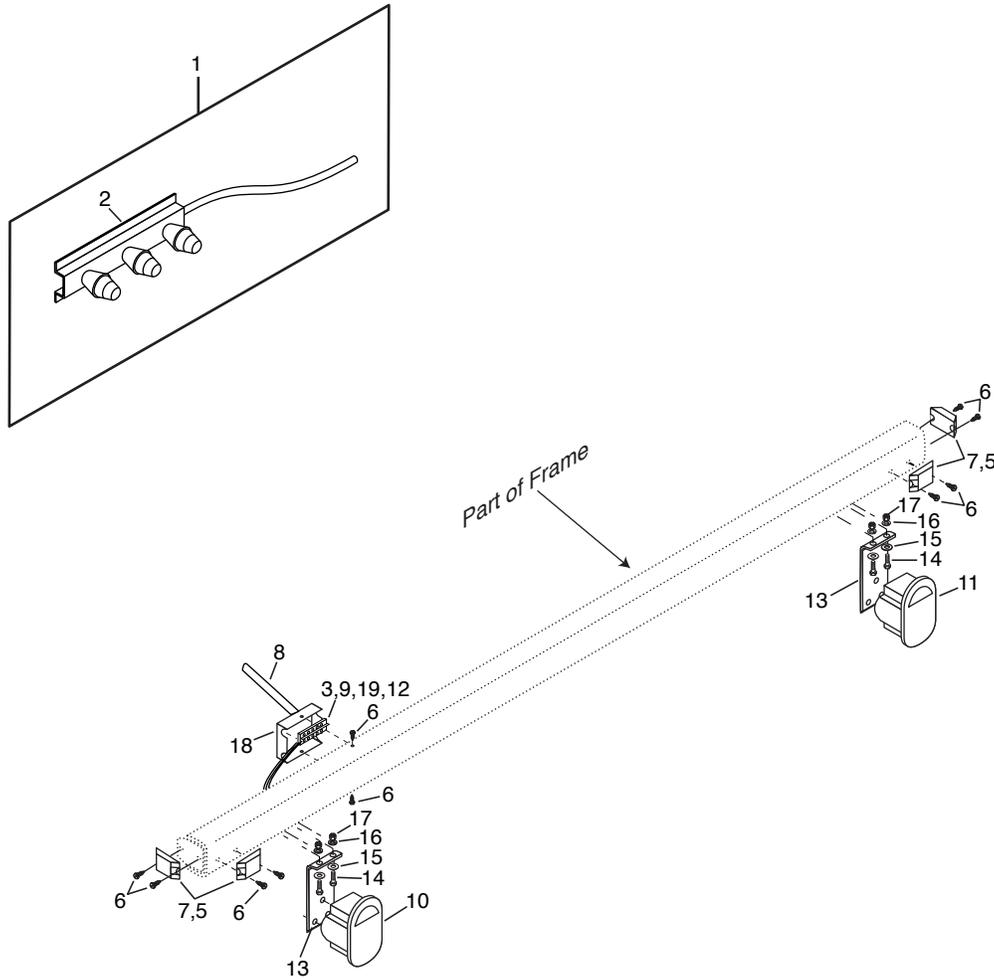
Tool Box Assembly



ACCESSORIES

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2610432	1	Toolbox Asm-36"				
	2750142	1	Toolbox Asm-30.5"				
2	0120233	4	Screw-Hex, 0.38"NC x 1.00", Gr2, PD				
3	0274993	4	Nut-Hex, Lock, 0.38"NC, EA, PD				

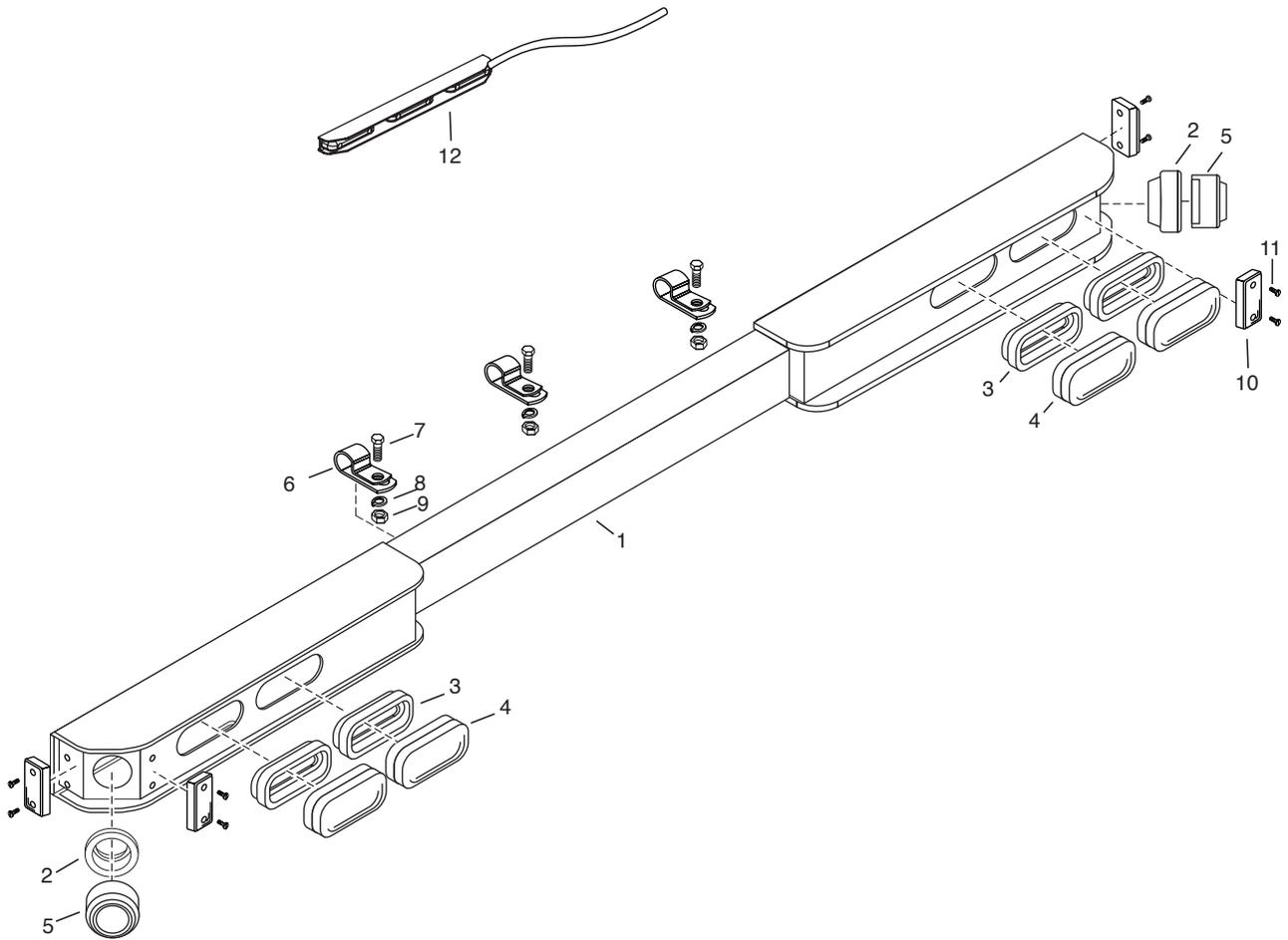
Lights Assembly



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3370755	1	Marker Light W/12' Pigtail Loom	14	0121887	4	Screw-Hex, 0.25NC x 0.75, GR2, PD
2	6702225	1	Light-Triple Bar Marker Loom	15	0120386	4	Washer-Flat, 0.25A (0.31 x 0.73), PD
3	0114776	2	Nut-Hex, Mach, 4NC, PN	16	0120380	4	Washer-Lock, 0.25, Spring, PD
4	6700855	4	Light-Clear W/Reflect Amber	17	0120375	4	Nut-Hex, 0.25NC, PD
5	6000721	AR	Grommet, Rub Spool Type #9601J15	18	2670084	1	Cover-Term Blk Box
6	0447835	AR	Screw-Tap, PNSL, 10NF x 0.50, PD	19	6700306	1	Strip-Terminal, 10 Bar
7	6700854	4	Light-Clear, W/Reflect Red				
8	3370754	1	Harness-Lights, 4 Wire, S2000				
9	0131043	2	Washer-Lock, NO. 4, Spring, PD				AR - As Required
10	6700865	1	Light-Stop, Turn & Tail Lt Flush				
11	6700866	1	Light-Stop, Turn & Tail Rt Flush				
12	0132646	2	Screw-Mach, Rdsl, 4NC x 0.50, PD				
13	3370159	2	Bracket-Light Mtg. Econo Bumper				

ACCESSORIES

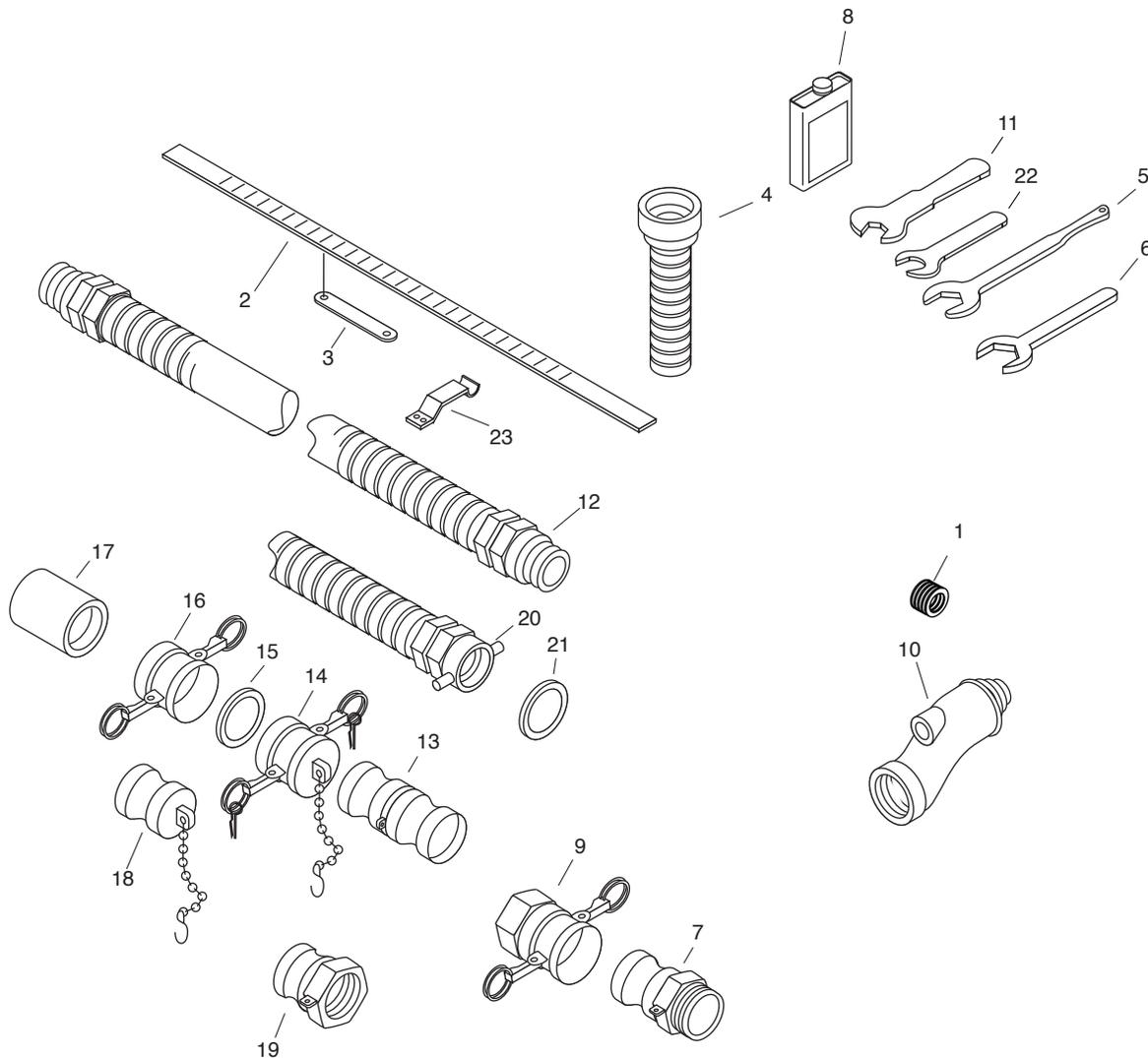
Optional LED Lights And Bumper Assembly



ACCESSORIES

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2610909	1	Bumper Weldment-LED 4 Light				
2	6702151	2	Grommet-Mounting, 2" Lamp, Open Back				
3	Q475295	4	Grommet-Oval				
4	6703809	4	Light-Oval, LED, S/T/T				
5	6703811	2	Light-C/M, LED, 2" Round, Red				
6	6000057	3	Clamp-0.50"				
7	0180020	3	Screw-Hex, 0.25"NC x 0.75", Gr5, PD				
8	0120380	3	Washer-Lock, 0.25", Spring, PD				
9	0120375	3	Nut-Hex, 0.25"NC, PD				
10	6703813	4	Reflector-Red Rectangular				
11	0447839	8	Screw-Tap, PNSL, 10NF x 0.75, F, PD				
12	6704059	1	Light-LED ID Bar				

Miscellaneous Attachments And Tools

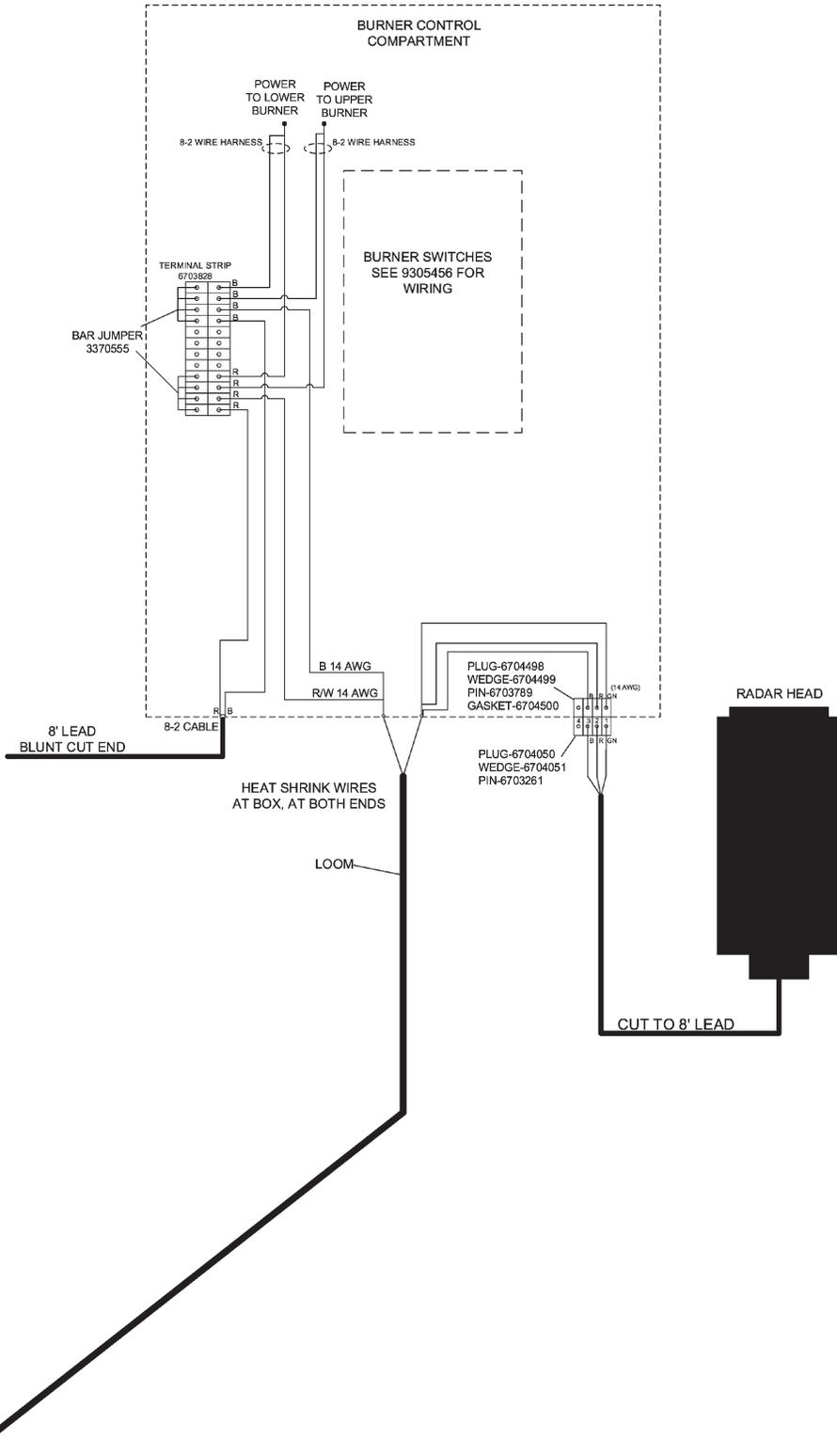


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6600310	1	Packing Ring, 1.50 ID x 2.00 OD	13	6600152	1	Hose Connector-3"
2	*****		Measuring Stick (1 Flue)		6600282	1	Double Connector, 3", Alum
	*****		<i>Call with Unit Serial Number</i>	14	6600281	1	Dust Cap, 3", Alum W/Chain
	*****		Measuring Stick (2 Flue)		6600250	1	Dust Cap, 3", Brass
	*****		<i>Call with Unit Serial Number</i>	15	6600279	1	Gasket-3" ID, Silicone
3	3390645	1	Label-Measuring Stick (1 Flue)	16	6600278	1	3" Coupler, Alum, Part B
	3390656	1	Label-Measuring Stick (2 Flue)	17	6200059	1	Pipe Coupling-3.00NPT
4	3300036	1	Overflow Outlet Extention Asm	18	6600280	1	3" Dust Plug, Alum.
5	3380459	1	Open End Wrench, 2"	19	6600277	1	3" Adapter, Alum, Part A
6	3380079	1	Union Wrench, 2"	20	7400004	1	Hose-3", Tiger, W/Male Nipples BE
7	6001011	1	Adapter-3", Evertite	21	6600267	2	Gasket-3.50 x 2.88 x 0.13, ASB
8	7220056	1	Anti-Foam Concentrate, 1 Pint	22	3381752	1	Wrench-Open End, 1.63", VWSB
9	6001012	1	Coupler-3", Evertite	23	3310040	2	Bracket-Measuring Stick
10	3340040	1	3" Connector				
11	3380442	1	Wrench-Open End, 1.5", SAM				
12	6601926	1	Hose Asm-3.00 x 15 Ft.				
	6602576	1	Hose Asm-3.00 x 12 Ft.				
	7400004	1	Hose-3", Tiger, w/Male Nipp BE,Rub				
	6600443	1	Hose Asm-3 In X 20 Ft, M/M				

ACCESSORIES

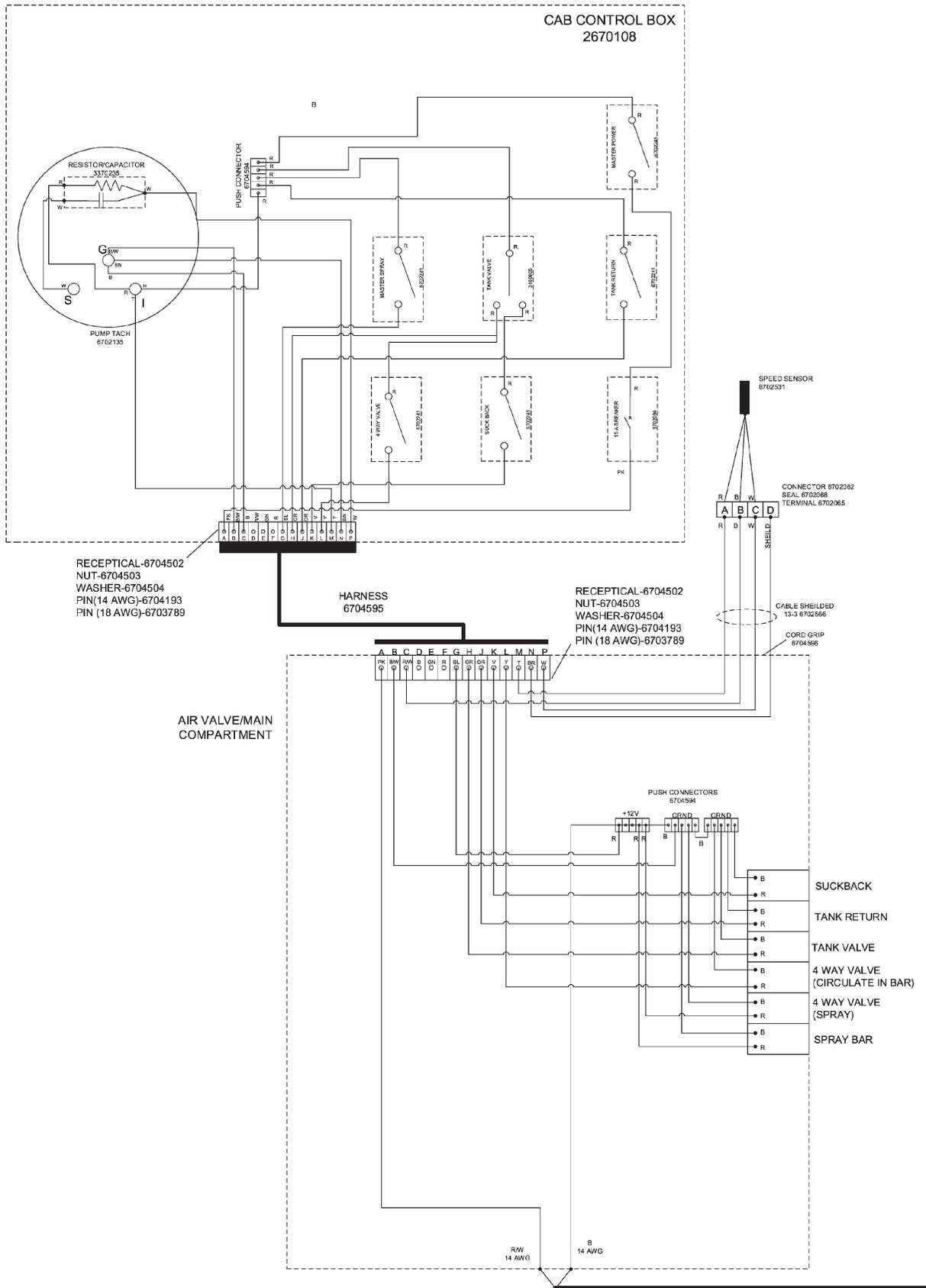
Schematic - Electrical Controls

9306439



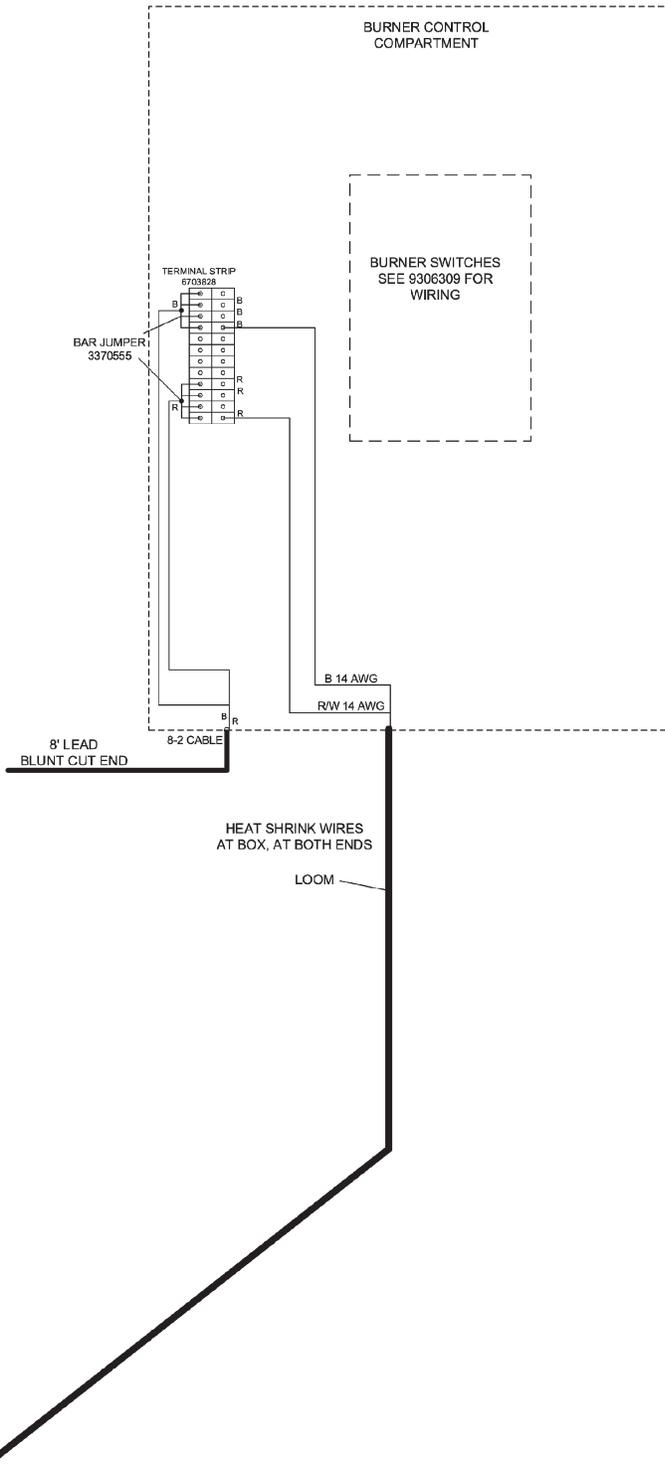
Schematic - Electrical Controls

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Schematic - Electrical Controls

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Fuel Oil Burner Wiring - Wayne - 9305456

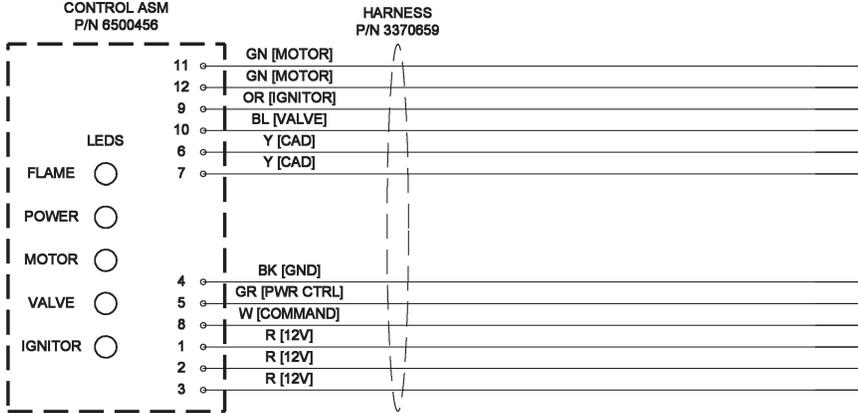
ORDER OF LEDES

FLAME (RED) = ON WHEN COMMAND APPLIED, NO FAULTS AND FLAME DETECTED BY CAD CELL
 POWER (GREEN) = ON WHEN POWER APPLIED TO CONTROL
 MOTOR (GREEN) = ON WHEN MOTOR OUTPUT ON
 VALVE (GREEN) = ON WHEN VALVE OUTPUT ON
 IGNITOR (GREEN) = ON WHEN IGNITOR OUTPUT ON

FAULT FLASH PATTERNS OF RED LED (SHORT = ¼ SECOND, LONG = 2 SECOND)

1 SHORT, 1 LONG = CAD > 20K ON POWER UP
 2 SHORT, 1 LONG = IGNITOR OUTPUT SHORTED TO 12V
 3 SHORT, 1 LONG = VALVE OUTPUT SHORTED TO 12V
 4 SHORT, 1 LONG = MOTOR OUTPUT SHORTED TO 12V
 5 SHORT, 1 LONG = NO IGNITION DETECTED AFTER 15 SECONDS THROUGH CAD CELL
 6 SHORT, 1 LONG = VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
 7 SHORT, 1 LONG = IGNITOR OUTPUT OVER CURRENT OR SHORTED TO GND
 8 SHORT, 1 LONG = MOTOR OUTPUT OVER CURRENT OR SHORTED TO GND

FAULTS CLEARED WITH COMMAND INPUT



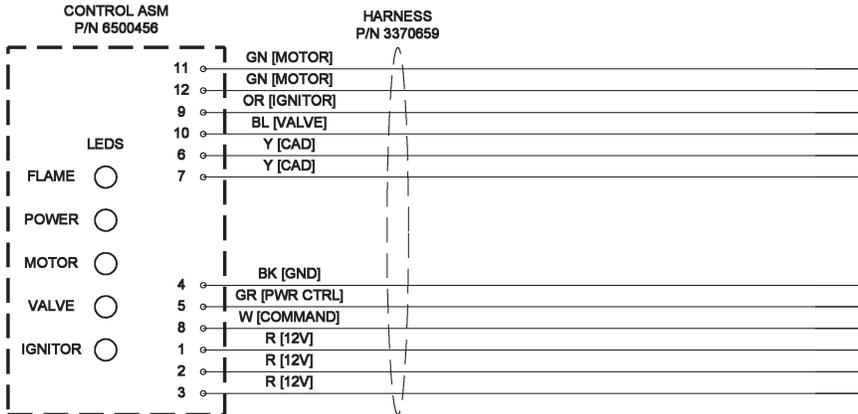
ORDER OF LEDES

FLAME (RED) = ON WHEN COMMAND APPLIED, NO FAULTS AND FLAME DETECTED BY CAD CELL
 POWER (GREEN) = ON WHEN POWER APPLIED TO CONTROL
 MOTOR (GREEN) = ON WHEN MOTOR OUTPUT ON
 VALVE (GREEN) = ON WHEN VALVE OUTPUT ON
 IGNITOR (GREEN) = ON WHEN IGNITOR OUTPUT ON

FAULT FLASH PATTERNS OF RED LED (SHORT = ¼ SECOND, LONG = 2 SECOND)

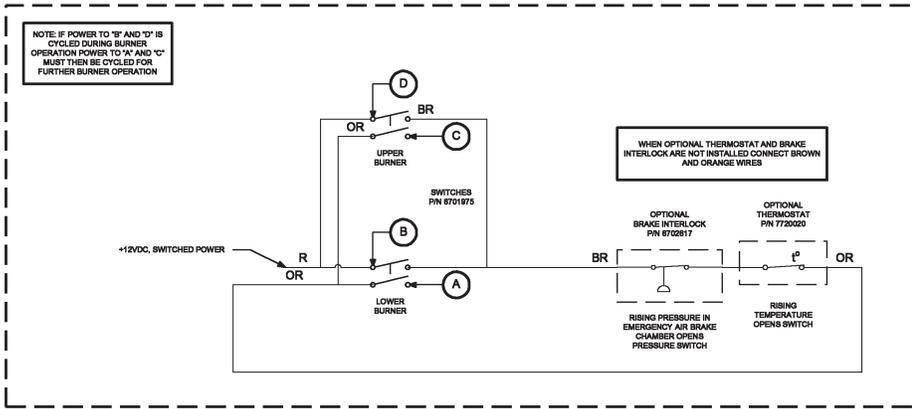
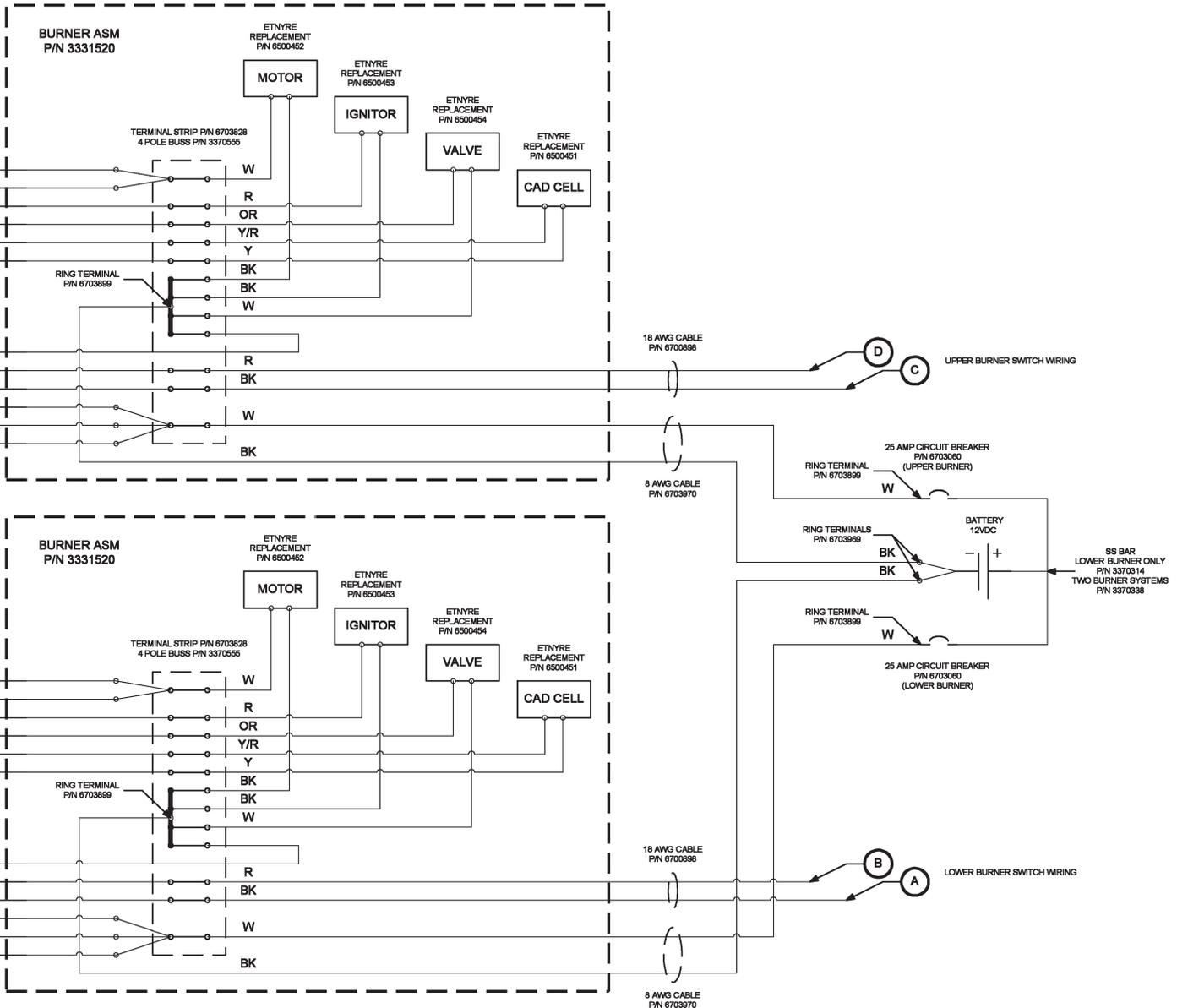
1 SHORT, 1 LONG = CAD > 20K ON POWER UP
 2 SHORT, 1 LONG = IGNITOR OUTPUT SHORTED TO 12V
 3 SHORT, 1 LONG = VALVE OUTPUT SHORTED TO 12V
 4 SHORT, 1 LONG = MOTOR OUTPUT SHORTED TO 12V
 5 SHORT, 1 LONG = NO IGNITION DETECTED AFTER 15 SECONDS THROUGH CAD CELL
 6 SHORT, 1 LONG = VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
 7 SHORT, 1 LONG = IGNITOR OUTPUT OVER CURRENT OR SHORTED TO GND
 8 SHORT, 1 LONG = MOTOR OUTPUT OVER CURRENT OR SHORTED TO GND

FAULTS CLEARED WITH COMMAND INPUT



Fuel Oil Burner Wiring - Wayne - 9305456

ELECTRICAL



LP Burner Wiring - 9306309

ORDER OF LEDS

POWER (GREEN) = ON WHEN POWER APPLIED TO CONTROL
 HI VALVE (GREEN) = ON WHEN HI VALVE OUTPUT ON
 SPARK (GREEN) = ON WHEN SPARK OUTPUT IS PULSING
 FLAME (RED) = ON WHEN COMMAND APPLIED, NO FAULTS AND FLAME DETECTED
 LO VALVE (GREEN) = ON WHEN LO VALVE OUTPUT ON

FAULT FLASH PATTERNS OF RED LED (¼ SECOND FLASH, 2 SECOND PAUSE BETWEEN FAULTS)

- 1 FLASHES = HI VALVE OUTPUT SHORTED TO 12V
- 2 FLASHES = HI VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
- 3 FLASHES = LO VALVE OUTPUT SHORTED TO 12V
- 4 FLASHES = LO VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
- 5 FLASHES = LOCKOUT, FAILURE TO IGNITE AFTER FOUR TRIES
- 6 FLASHES = FLAME FAULT, FLAME PRESENT UPON START UP

FAULTS CLEARED WITH COMMAND INPUT

IMPORTANT!
 ROUTE THE HIGH VOLTAGE WIRE AWAY FROM THE CONTROLLER, TERMINAL STRIP AND OTHER WIRING

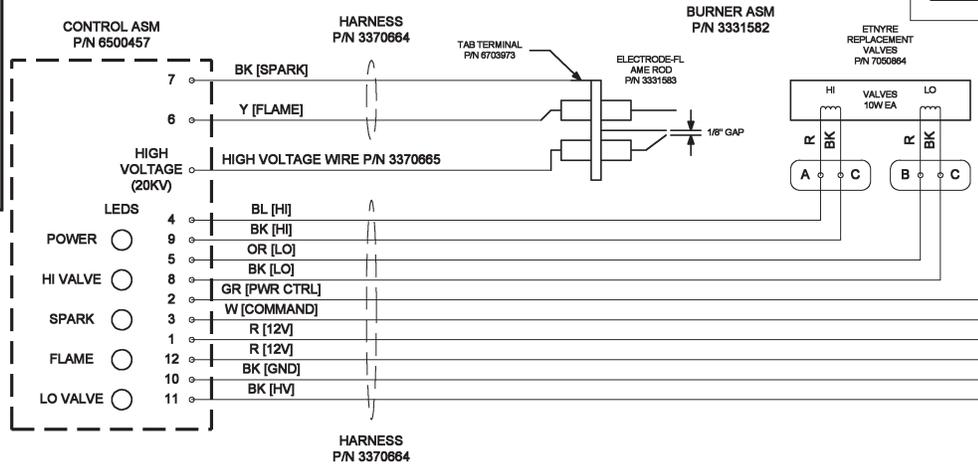
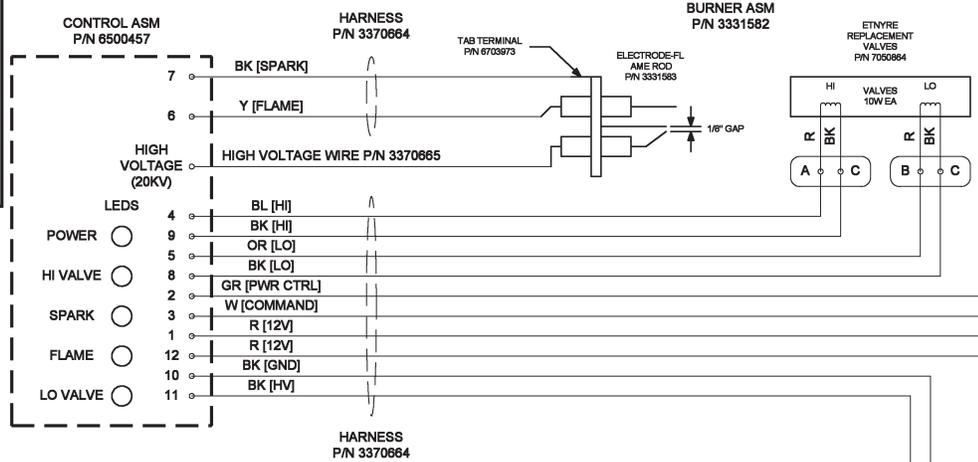
ORDER OF LEDS

POWER (GREEN) = ON WHEN POWER APPLIED TO CONTROL
 HI VALVE (GREEN) = ON WHEN HI VALVE OUTPUT ON
 SPARK (GREEN) = ON WHEN SPARK OUTPUT IS PULSING
 FLAME (RED) = ON WHEN COMMAND APPLIED, NO FAULTS AND FLAME DETECTED
 LO VALVE (GREEN) = ON WHEN LO VALVE OUTPUT ON

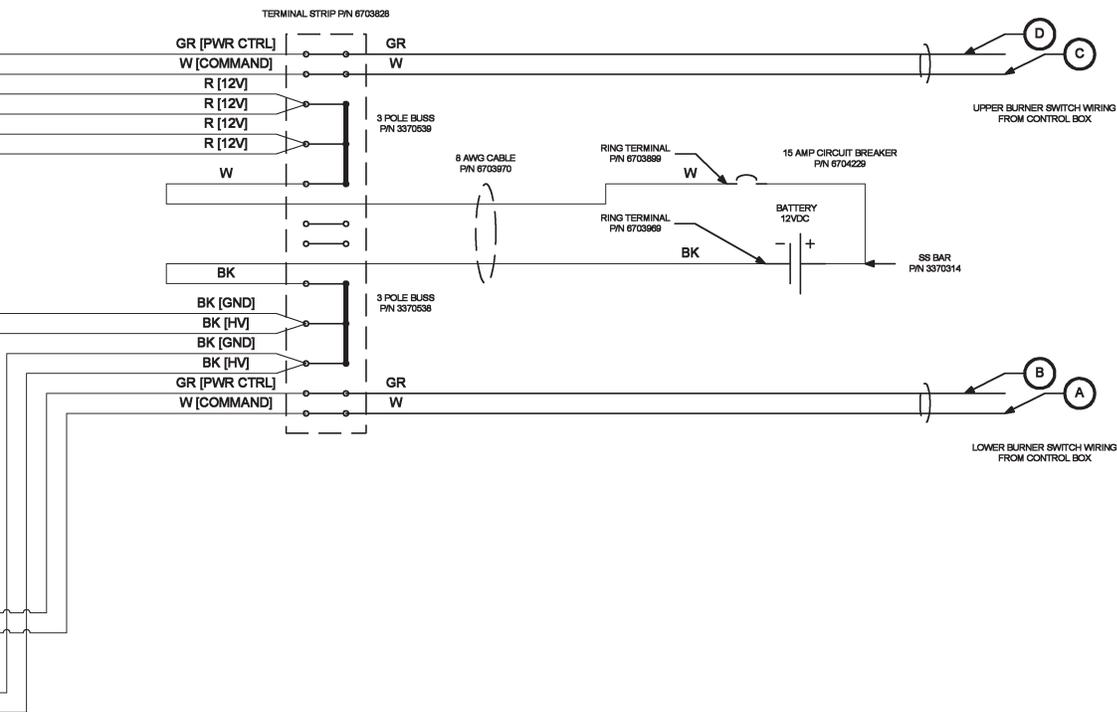
FAULT FLASH PATTERNS OF RED LED (¼ SECOND FLASH, 2 SECOND PAUSE BETWEEN FAULTS)

- 1 FLASHES = HI VALVE OUTPUT SHORTED TO 12V
- 2 FLASHES = HI VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
- 3 FLASHES = LO VALVE OUTPUT SHORTED TO 12V
- 4 FLASHES = LO VALVE OUTPUT OVER CURRENT OR SHORTED TO GND
- 5 FLASHES = LOCKOUT, FAILURE TO IGNITE AFTER FOUR TRIES
- 6 FLASHES = FLAME FAULT, FLAME PRESENT UPON START UP

FAULTS CLEARED WITH COMMAND INPUT



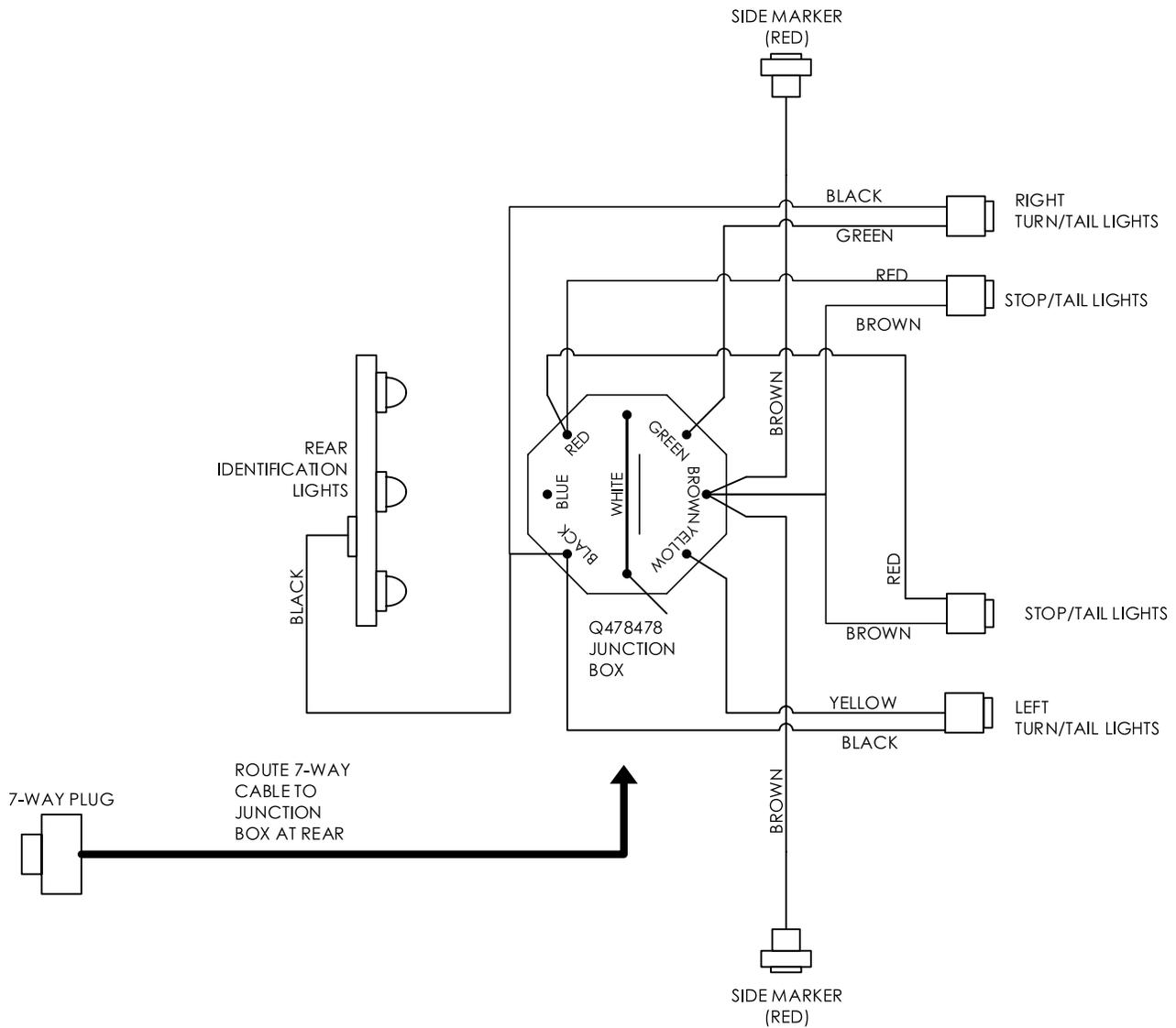
LP Burner Wiring - 9306309



LED Wiring Diagram

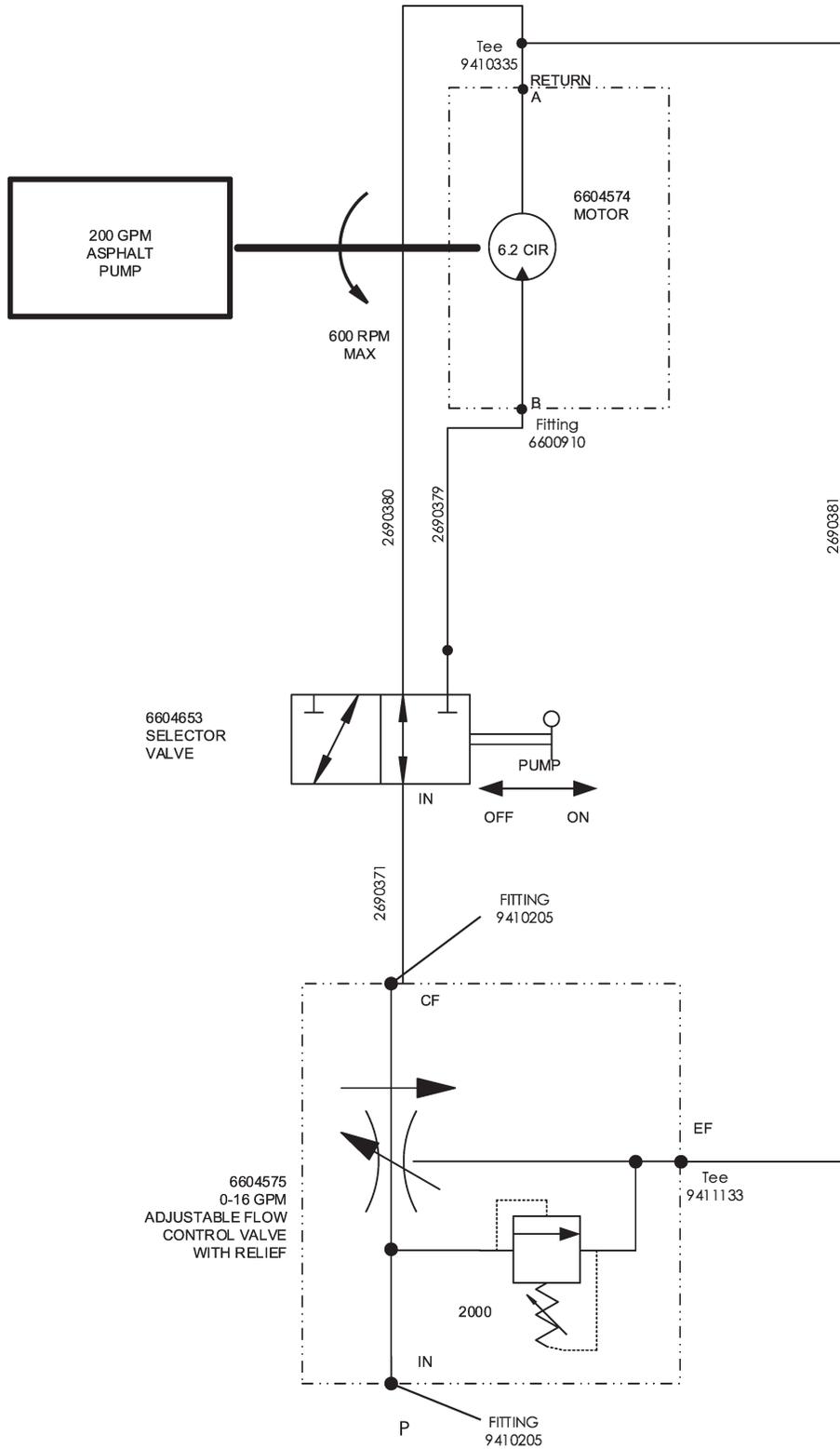
9306340

Optional Equipment



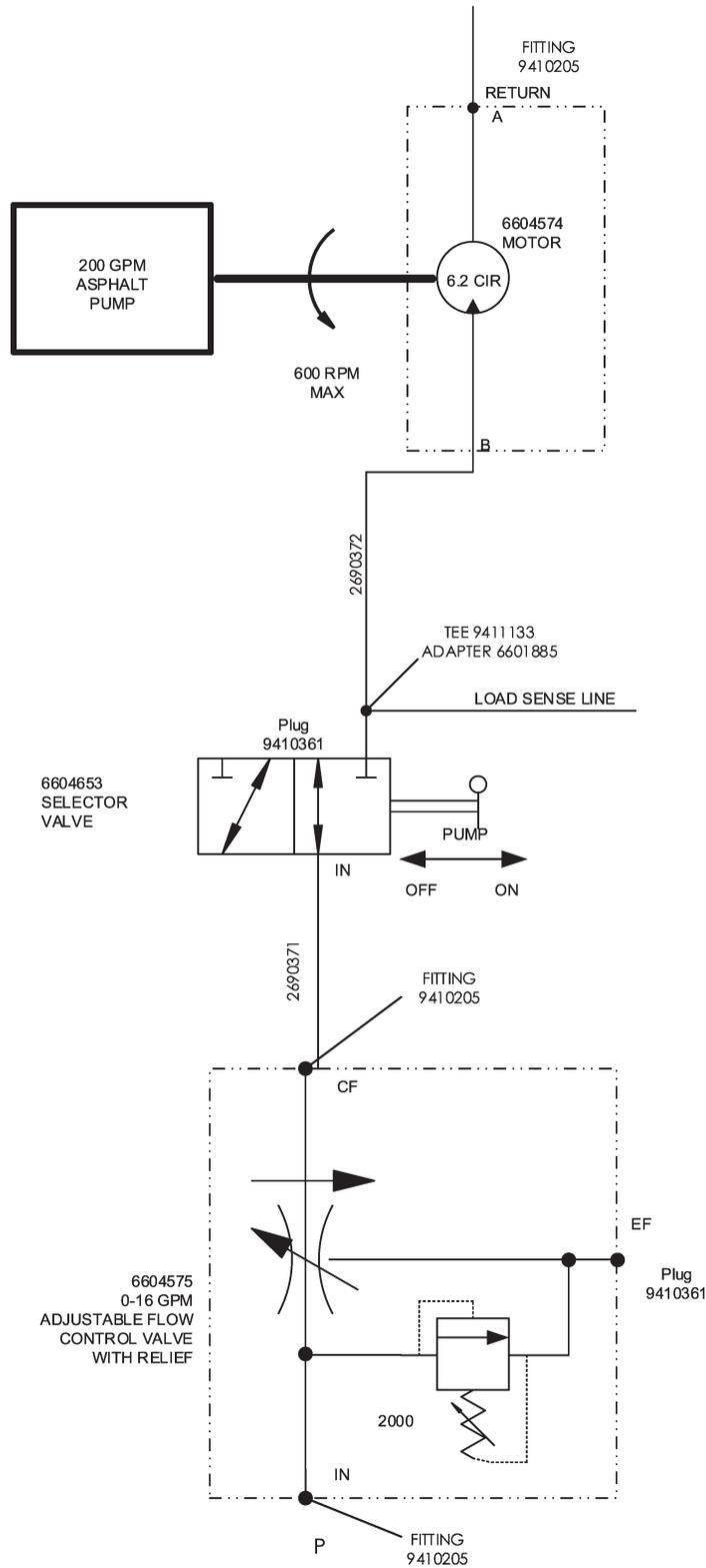
- | | |
|--------|-----------------------|
| WHITE | GROUND |
| BLACK | I.D./LICENSE |
| YELLOW | LEFT TURN LIGHT |
| RED | STOP LIGHTS |
| GREEN | RIGHT TURN LIGHT |
| BROWN | TAIL/CLEARANCE LIGHTS |
| BLUE | BRAKES |

Hydraulics - Standard



HYDRAULIC SCHEMATICS

Hydraulics - w/ Piston Pump



HYDRAULIC SCHEMATICS

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0103374	21	0120390	21	0228011	19	2641123	11	2660128	15
0103374	23	0120390	23	0271169	27	2641126	11	2660132	35
0103384	21	0120390	23	0271546	14	2641203	16	2660134	35
0103384	23	0120390	35	0274993	11	2641204	11	2660135	35
0105405	18	0120614	27	0274993	34	2641206	11	2660137	35
0105405	32	0120706	32	0274993	36	2641208	11	2660138	35
0105413	17	0121207	32	0432903	9	2641211	15	2660139	35
0105417	18	0121574	9	0436752	27	2650428	21	2660139	35
0105417	28	0121852	21	0444867	34	2650428	23	2660151	35
0105423	28	0121852	23	0447835	37	2650481	21	2660153	35
0108687	11	0121887	29	0447839	38	2650481	23	2660154	35
0110456	9	0121887	37	0454109	29	2650486	21	2660157	35
0111661	25	0122472	21	0454121	29	2650486	23	2660158	35
0114776	37	0124589	9	0454121	30	2650491	21	2660160	35
0115237	11	0124589	19	0454479	25	2650491	23	2660170	35
0118750	28	0125753	27	0456540	21	2650499	21	2660171	35
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0118750	30	0126168	11	197070	13	2650501	21	2660197	35
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0119099	11	0133046	21	2600382	34	2650504	23	2670105	7
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0120214	23	0137204	23	2611103	8	2650515	19	2680990	19
0120214	23	0138479	27	2611104	8	2650516	19	2690153	35
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0120375	27	0144035	13	2630080	32	2650534	21	2690160	35
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