



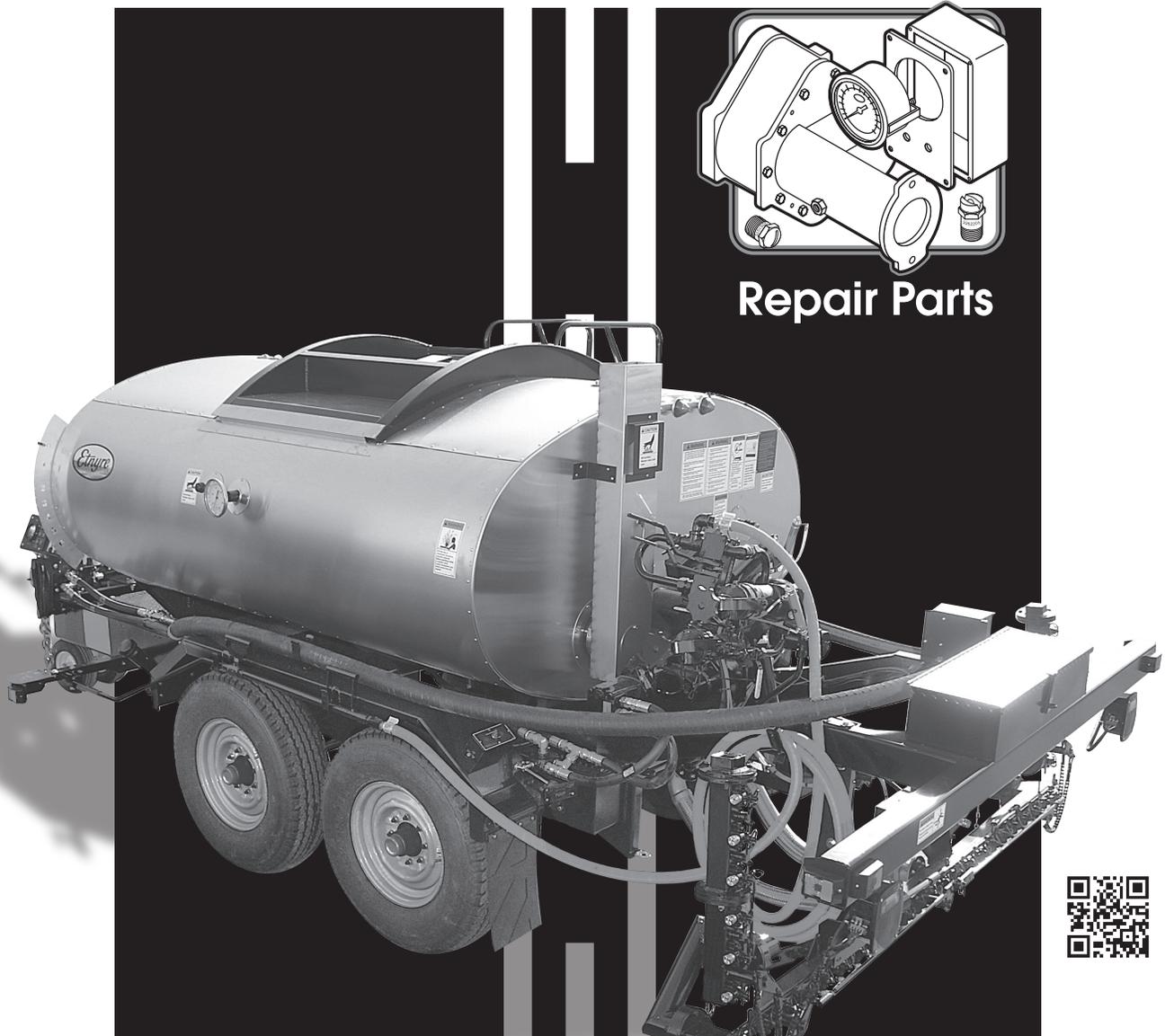
M-401-AIR-16

Starting with Serial Number M5193

Updated October 5, 2016

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-AIR-16

Starting with S/N M5193

Updated October 5, 2016

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.

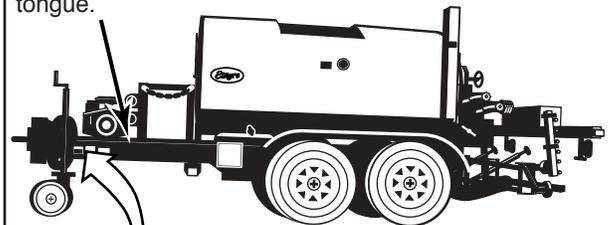
If contact with the skin occurs, wash the affected areas immediately with water. Then rub a 2.5 calcium gluconate gel into the skin until there is no further irritation, while seeking prompt medical attention.

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 left side of the vehicle frame. Generally, the serial number has a letter prefix followed by four numbers.

The unit serial number is also stamped on the trailer tongue.

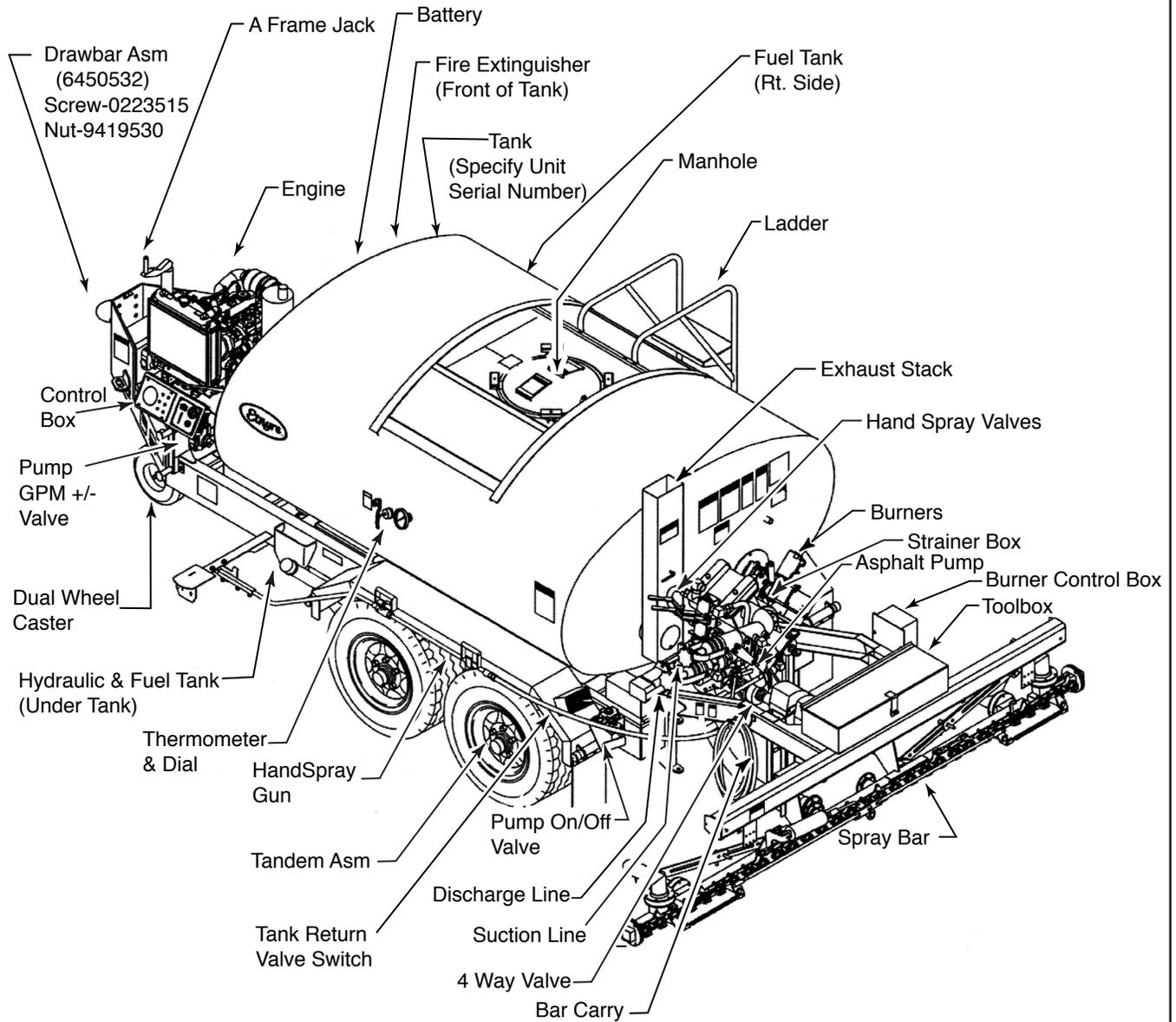


MAINTENANCE UNIT

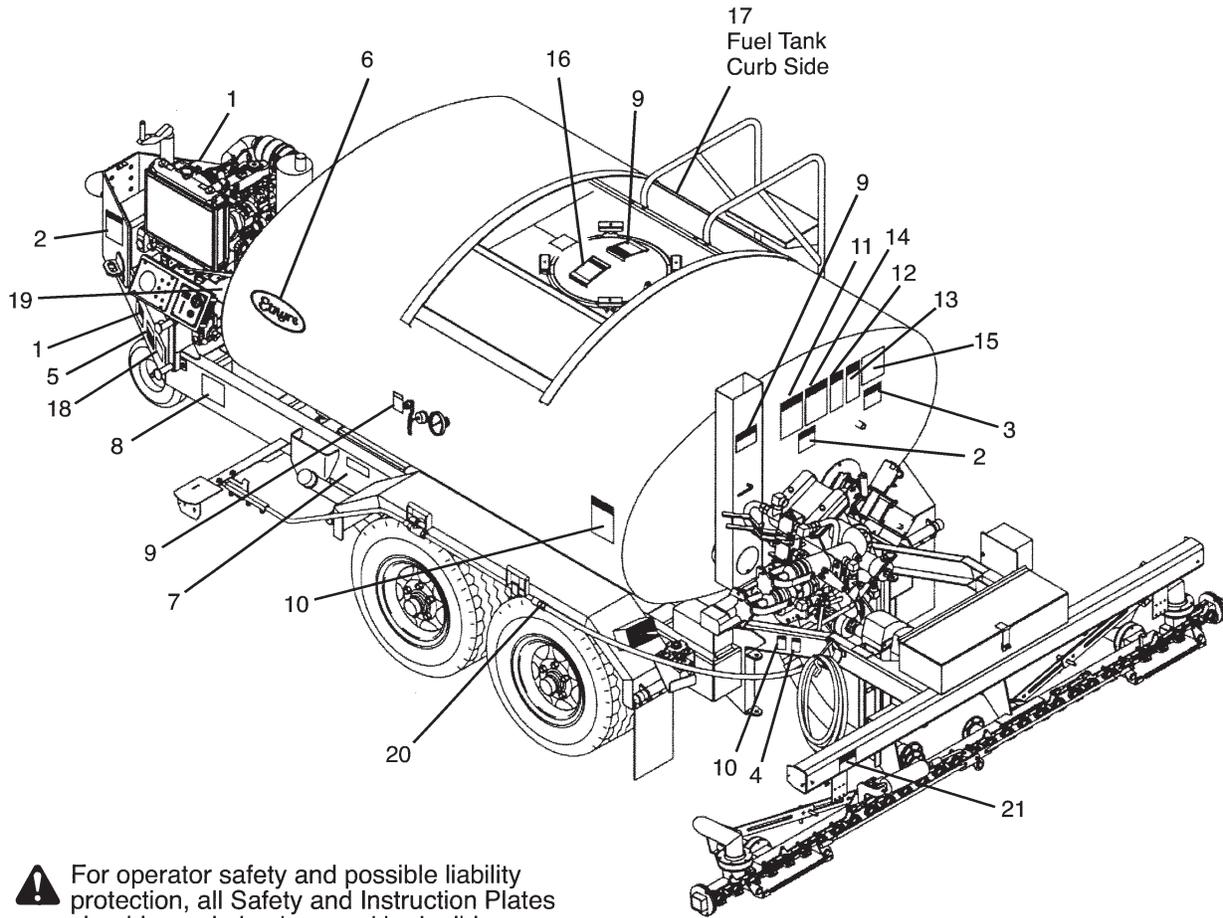
Model	MU	Serial No.	M5193
Tank Capacity	1500	U.S. Gallons	

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

General Identification



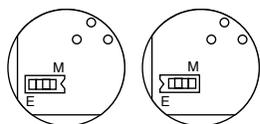
Warning And Instruction Plates



- ⚠ 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

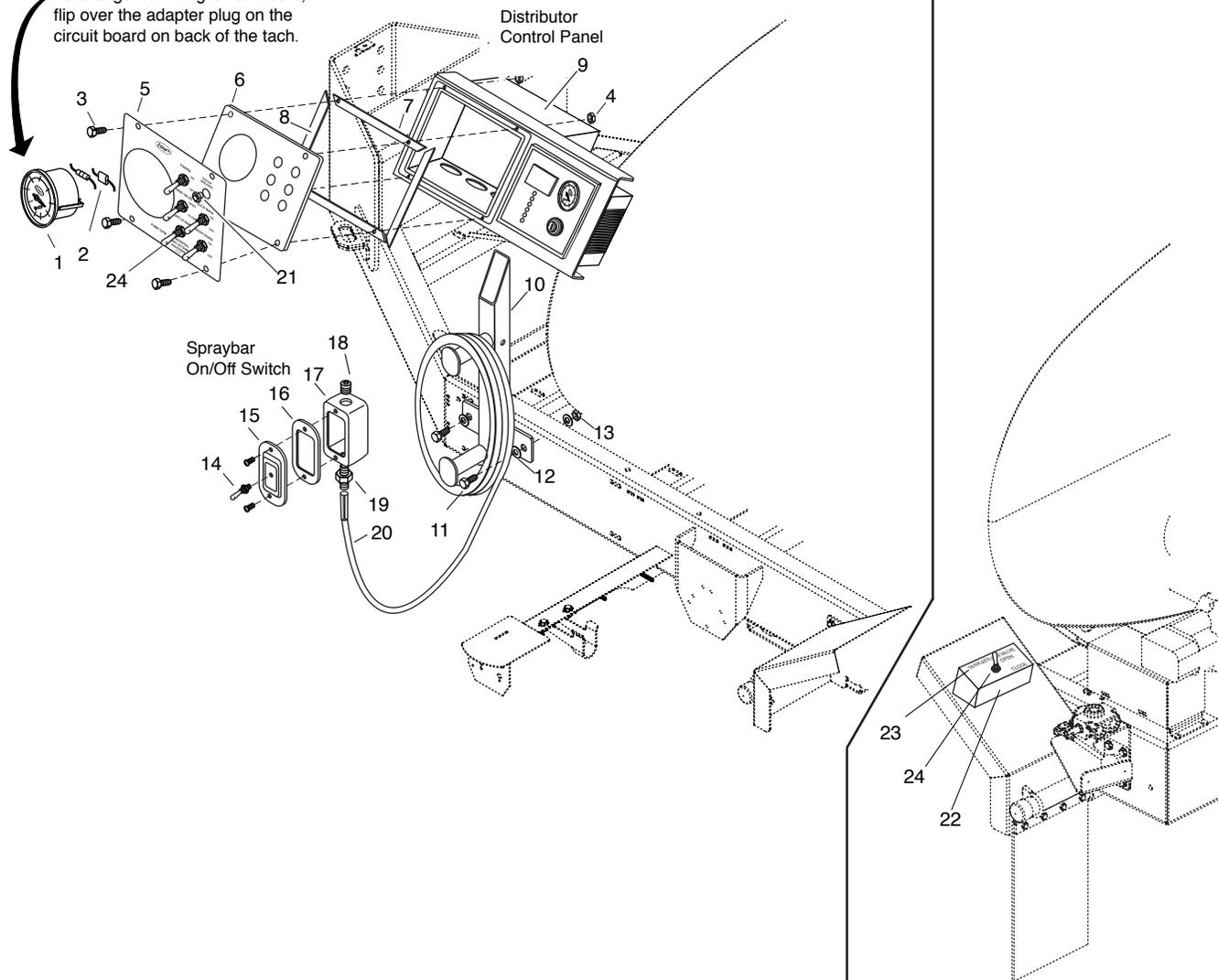
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3830529	1	Plate-Warning Safety Chain	15	3390540	1	Plate-Directions, LPG Burner
2	3390678	2	Decal: Warning, "Read Manuals"		3390670	1	Plate-Directions, Ele., Fuel Oil Burner
3	3390682	1	Decal: Caution, Before Starting	16	3390679	1	Decal: Warning, Manhole
4	3390683	2	Decal-Caution, Shields	17	3360180	1	Decal: Fill W/Diesel Fuel Only
5	2690082	1	Name Plate-Maint Unit Brass	18	2790017	1	Plate-Certification, Trl
6	3390191	2	Decal-Oval, Etnyre	19	3390659	1	Decal: Warning-GVWR
7	3390605	1	Plate-Instr. Hydraulic Oil Spec	20	3390591	2	Tag-Caution, Handspray Hose
8	2790530	1	Plate-Name, Spec	21	6320804	1	Decal-Warning, No Riders
9	3390684	3	Plate-Caution, Hot Surface				
10	3390680	1	Decal: Warning, Fill Cap				
11	3390685	1	Decal: Warning, Safety Hazards				
12	3390636	1	Plate-Warning, Burner				
13	3390637	1	Tag-Warning, Don't Mix Asphalts				
14	3390686	1	Decal: Warning, Burner, General				

Control Panels - Circulation & Spray



Metric Position English Position

To change from English to Metric, flip over the adapter plug on the circuit board on back of the tach.



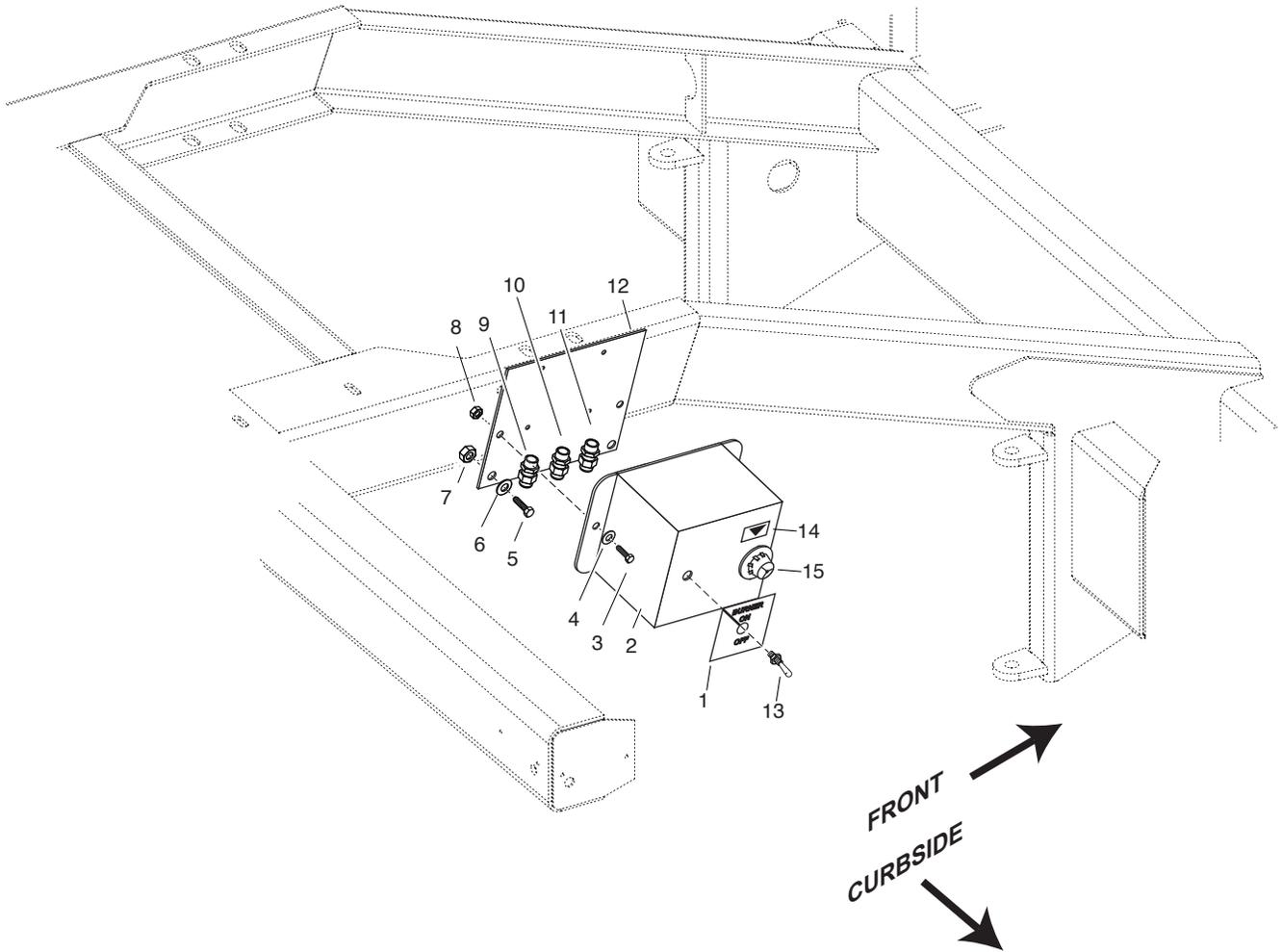
CONTROLS

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6702135	1	Pump Tachometer-Elec., Analog	15	6700349	1	Cover-Unilet K50 Form 35
2	3370235	1	Capacitor-Resistor Asm	16	6700023	1	Gasket-0.5" Box BK50-N
3	0180020	4	Capscrew-GR5, 0.25"UNC x 0.75" Lg	17	6702607	1	Conduit Outlet Body, Through
4	9413946	4	Nut-Hex, Lock, 0.25"NC, PD	18	6200234	1	Pipe Plug-Hex Sock, 0.5", Cad, PD
5	2680868	1	Decal-Control Panel, Front, Faceplate	19	6702608	1	Grip-Dust Tight (0.23 - 0.32)
6	2680865	1	Control Panel-Front, Faceplate	20	6700897	1	Cable 4-18 Flusher Control / Ft
7	2680866	2	Seal-Long, Control Box	21	6704200	1	Circuit Breaker
8	2680867	2	Seal-Short, Control Box	22	3160708	1	Box-Valve Switch, Tank Return
9	2680864	1	Control Box, Maintenance Unit	23	2680882	1	Decal-Valve Switch, Tank Return
10	2680854	1	Pedestal Asm-Control Box	24	6702241	1	Switch-Toggle, SPST, 2 Pos, Maint
11	0180122	2	Capscrew-GR5, 0.375"UNC x 1.00" Lg				
12	0120388	4	Washer-Flat, SAE Std, 0.375"				
13	0274993	2	Nut-Hex, Lock, 0.375"NC, PD				
14	6700161	6	Switch-Toggle, SPDT, Maint				

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

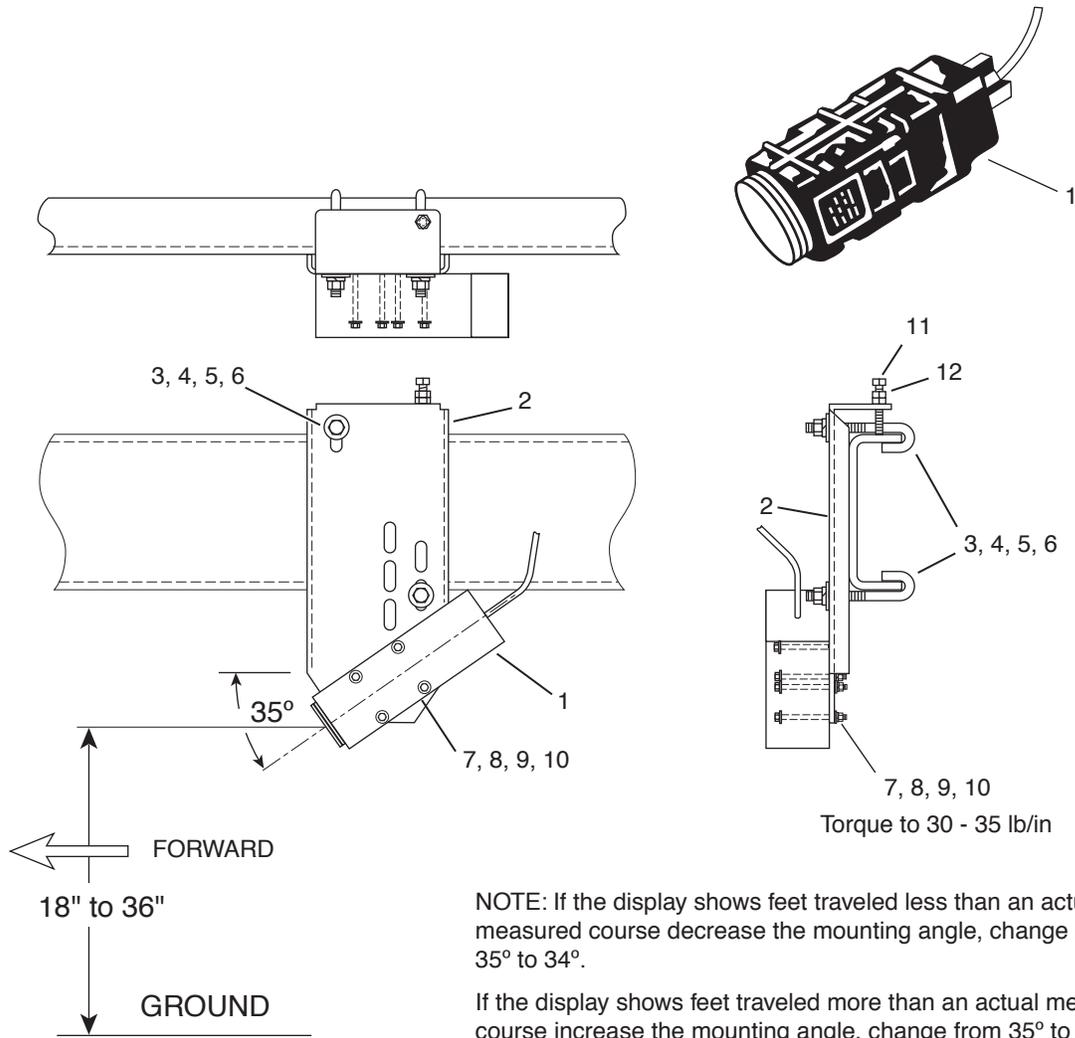
Control Panel - Burner Control

CONTROLS



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2680832	1	Decal-Burner Control Switch	9	6702111	1	Adapter-Trk Lt, 0.75"ID 50842
2	2680829	1	Cover-Burner Control Modules	10	6702110	1	Adapter-Trk Lt, 0.75"ID 50842
3	0180020	2	Capscrew-GR5, 0.25"UNC x 0.75" Lg	11	6702108	1	Adapter-Trk Lt, 0.75"ID 50842
4	0120386	4	Washer-Flat, SAE Std, 0.25"	12	2680830	1	Bracket-Mtg, Beckett Controls
5	0180122	2	Capscrew-GR5, 0.375"UNC x 1.00" Lg	13	6700161	1	Switch-Toggle, SPDT, Maint
6	0120388	4	Washer-Flat, SAE Std, 0.375"	14	M4600TT	1	Decal-Outfire Indicator
7	0274993	2	Nut-Hex, Lock, 0.375"NC, PD	15	7720020	1	Element-Thermostat & Sensing
8	9413946	2	Nut-Hex, Lock, 0.25"NC, PD				

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°.

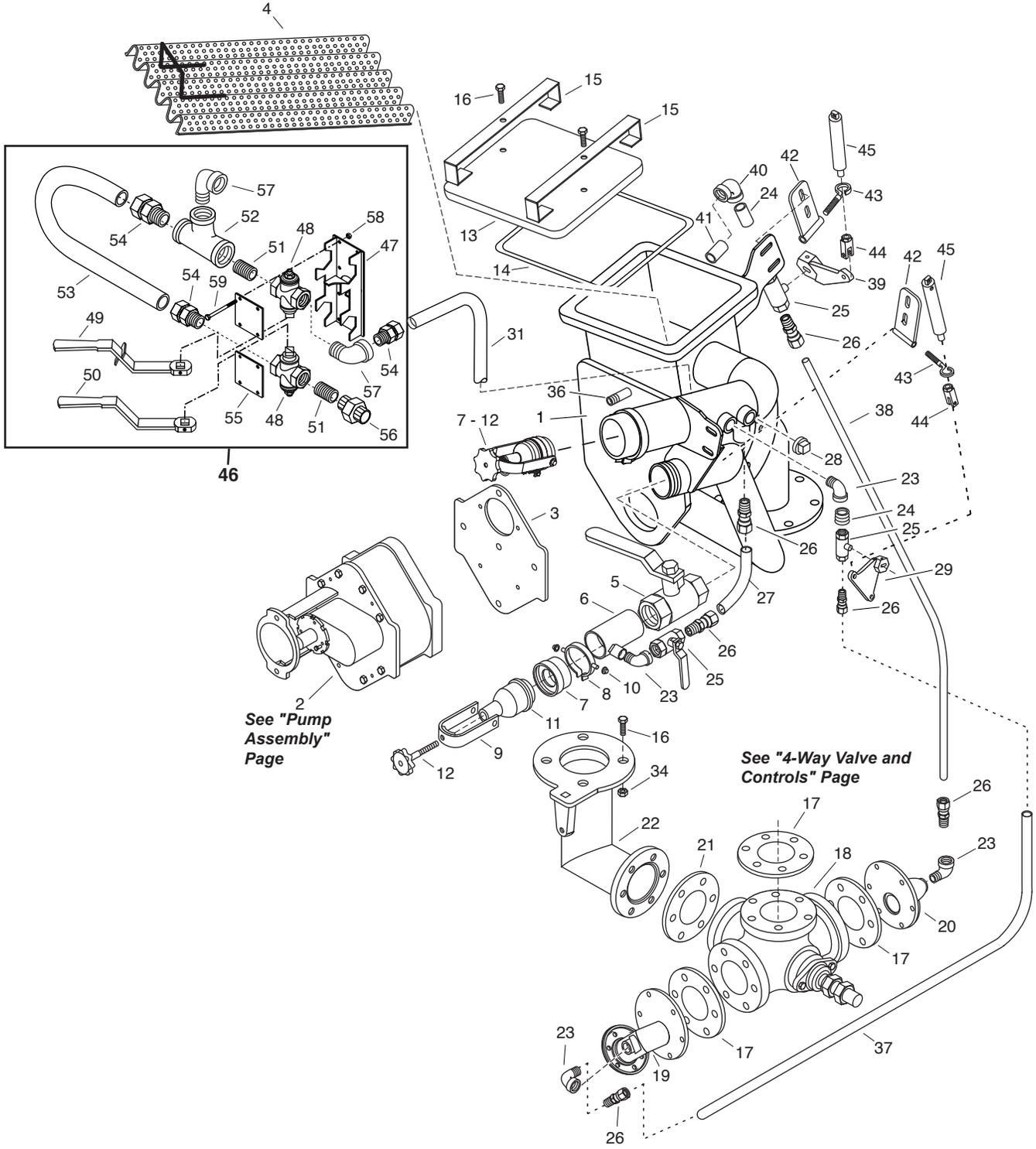
If the display shows feet traveled more than an actual measured course increase the mounting angle, change from 35° to 36°.

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 - 26471121

CIRCULATION SYSTEM

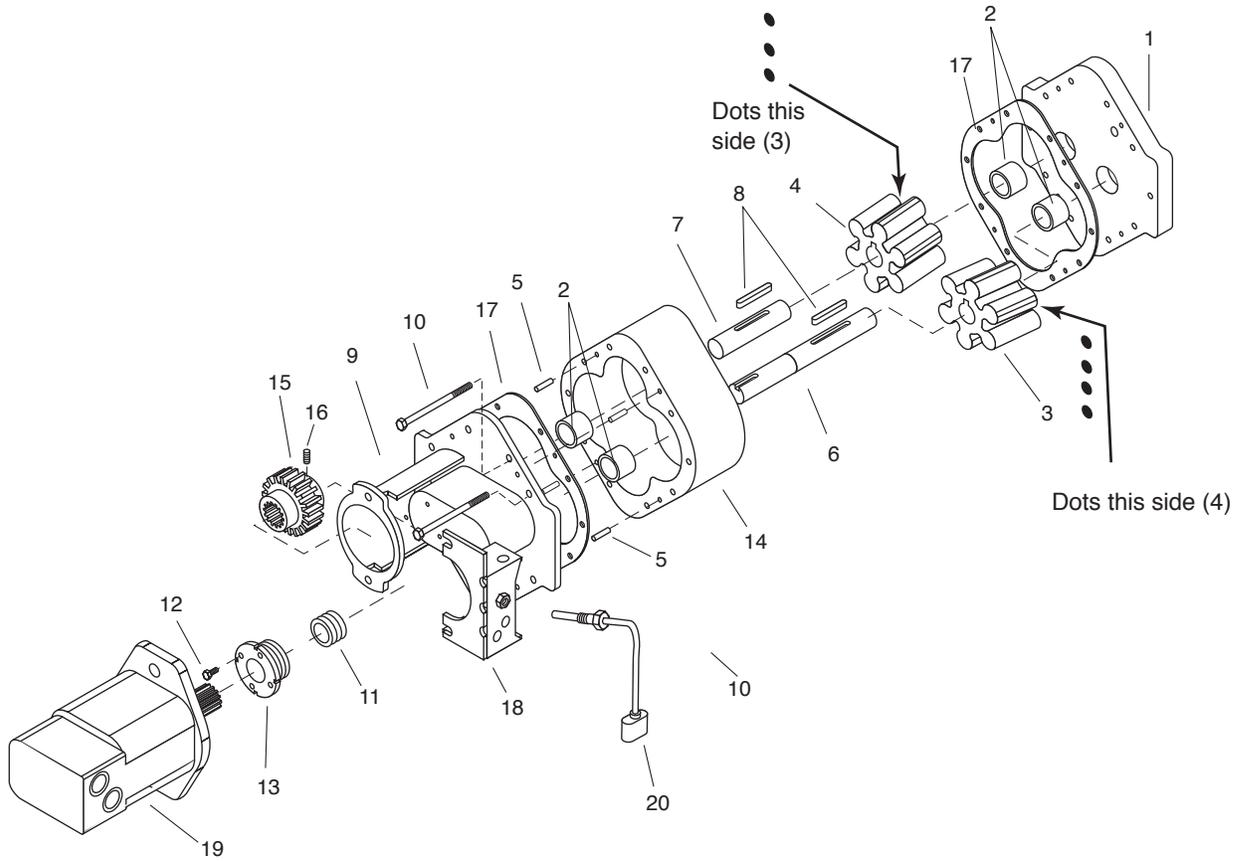


Circulation System
Air Operated - 2641121

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				
14	2641104	1	Gasket-Strainer Box				
15	3341964	2	Clamp Bar Asm-Strainer Box Lid				
16	0180122	38	Capscrew-0.375"UNC x 1.0" Lg, Gr5				
17	3340515	3	Gasket-Flange, 3 Way Valve				
18	3341441	1	4.0" 4 Way Valve Asm				
19	2641105	1	Bar Pipe Flange Weldment, LH				
20	2641109	1	Bar Pipe Flange Weldment, RH				(NS) = Not Shown
21	3340519	1	Gasket-Cover, 3 Way Valve				
22	2641110	1	Tube Asm-Return and Transfer				
23	0141621	4	Elbow-90, ST, 0.75"NPT, PN				
24	0144613	2	Nipple, 0.75"NPT x 1.375"				
25	6602237	3	Valve-Ball, 0.75", Bronze				
26	6604065	6	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	24	Nut-Hex, Lock, 0.375"NC, PD				
35	0120388	26	Washer-Flat, SAE STD, 0.375" (NS)				
36	2640735	1	Nipple-Strainer Lid				
37	2641144	1	Tube-LH Suck Back				
38	3641145	1	Tube-RH Suck Back				
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	2	Clevis-Rod, Cylinder				
45	6603150	2	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				

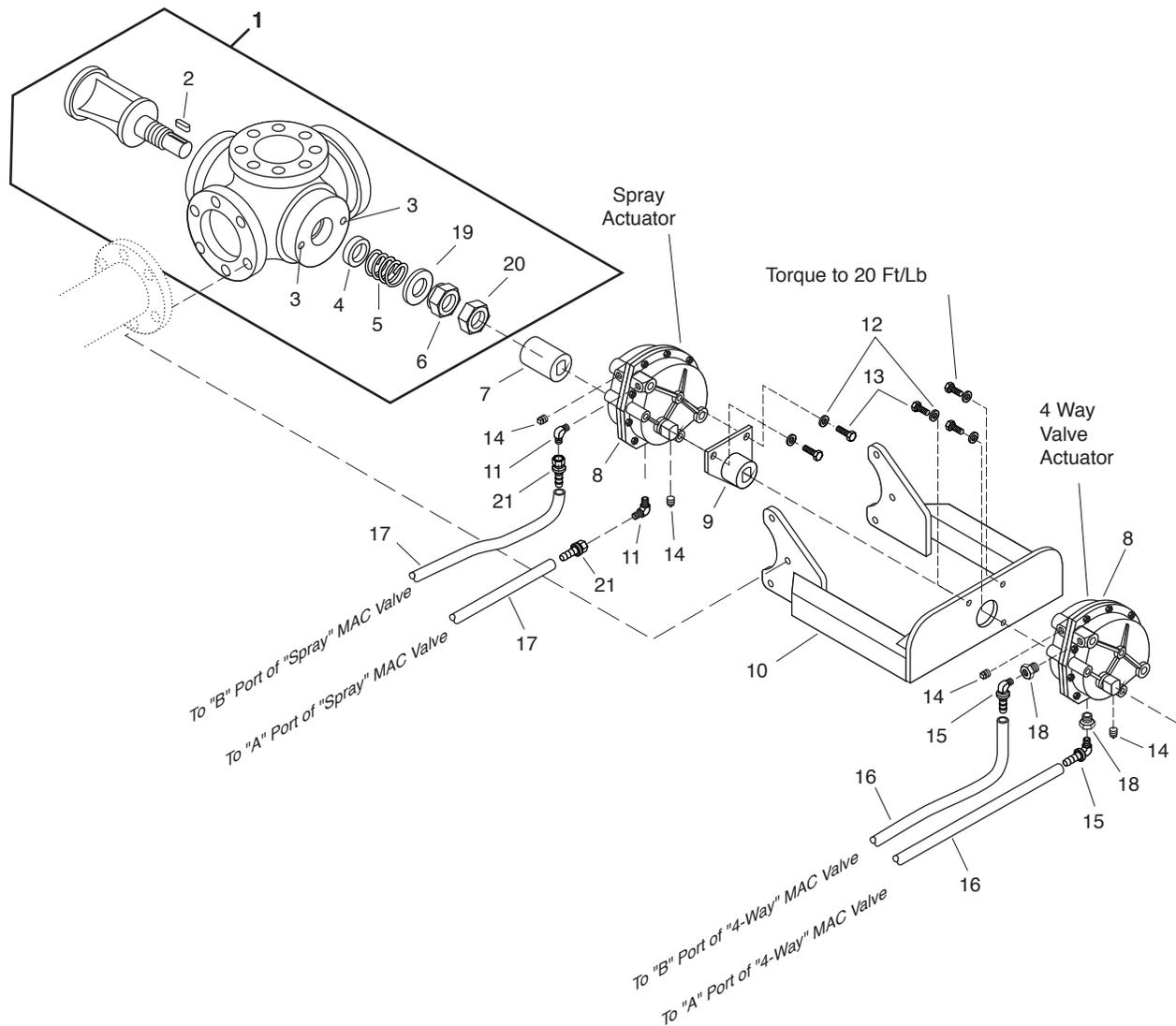
CIRCULATION SYSTEM

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)				

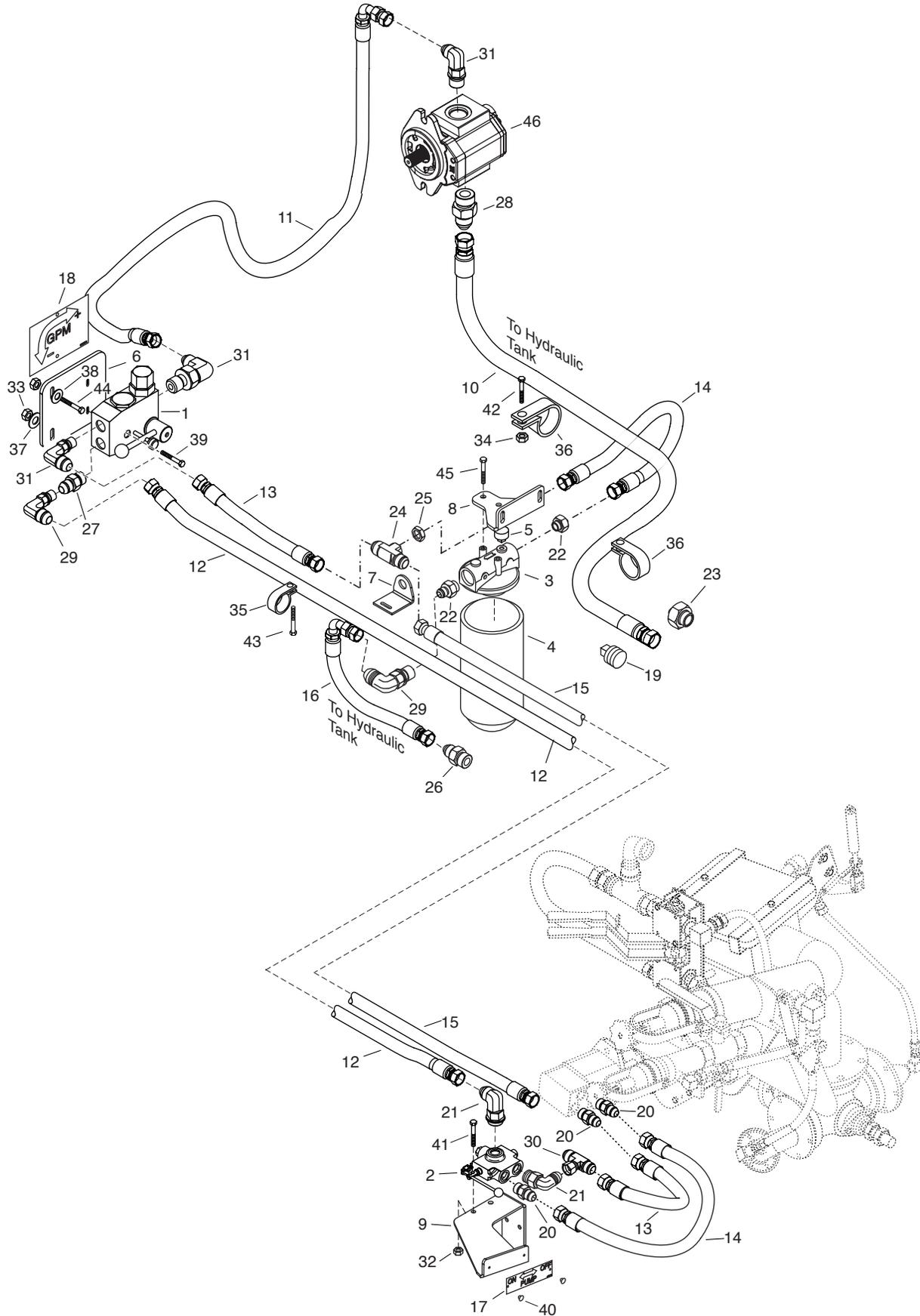
4 Way Valve and Controls 3341441



CIRCULATION SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3341441	1	4 Way Valve Asm (Includes Ref #'s 2-6, 19, 20)	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				

Hydraulic Pump Install-Kubota Engine



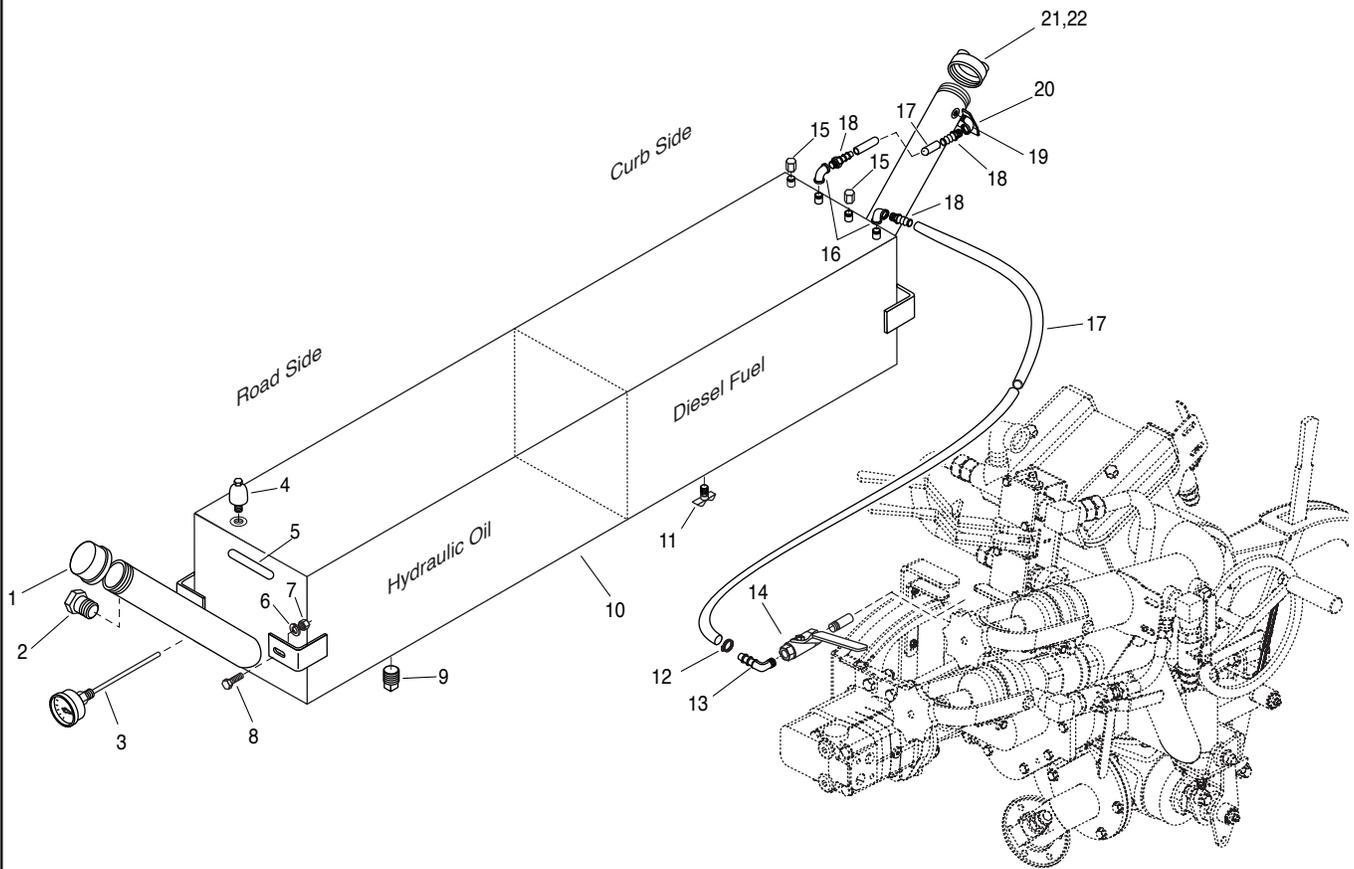
HYDRAULIC

Hydraulic Pump Install-Kubota Engine

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6604575	1	Valve-Adj Flow, 16GPM, w/ Relief				
2	6604424	1	Valve-Selector, 20GPM, 2,500PSI				
3	6602801	1	Filter Head-Hydraulic, #1.25 Ports				
4	6601864	1	Element-Filter				
5	6602867	1	Indicator-Condition, Return				
6	2680874	1	Bracket-Flow Valve				
7	2680875	1	Bracket-Bulkhead Tee				
8	2680876	1	Bracket-Filter				
9	2680877	1	Bracket-Pump Valve				
10	2690292	1	Hose Asm-16 x 68, 16FJX-16FJX, LP				
11	2690293	1	Hose Asm-12 x 49, 12FJX-12FJX, 90				
12	2690294	1	Hose Asm-12 x 119, 12FJX-12FJX				
13	2690295	2	Hose Asm-12 x 26, 12FJX-12FJX				
14	2690296	2	Hose Asm-12 x 29, 12FJX-12FJX				
15	2690297	1	Hose Asm-12 x 94, 12FJX-12FJX				
16	2690298	1	Hose Asm-12 x 18, 12FJX-12FJX, 90				
17	2690299	1	Data Plate-Pump On / Off				
18	2690300	1	Data Plate-GPM +/-				
19	0219301	1	Plug-Pipe, SqHd, 0.75"NPT, PN				
20	6600910	3	Adapter-Hyd., ST, 10MB-12MJ				
21	6601811	2	Elbow-Hyd., 90, 10MB-12MJ				
22	6604165	2	Adapter-Hyd., 20MP-12MJ				
23	6604315	1	Adapter-Hyd., 24MP-12MJ				
24	6604578	1	Tee-Hyd., 12MJ-12MJ-12MJ				
25	6604579	1	Nut-Hyd. Bulkhead, -12, 1.06-12NF				
26	9402711	1	Adapter-Hyd., 12MJ-12MP				
27	9410205	1	Adapter-Hyd., ST, 12MB-12MJ				
28	9410207	1	Adapter-Hyd., ST, 16MB-16MJ				
29	9410283	2	Elbow-Hyd., 90, 12FJX-12MJ				
30	9410309	1	Tee-Hyd., 12-MJ-12MJ-12FJX				
31	9410979	3	Elbow-Hyd., 90, 12MB-12MJ				
32	9411638	2	Nut-Hex, Lock, 0.313"NC, PD				
33	9413946	2	Nut-Hex, Lock, 0.25"NC, PD				
34	0274993	11	Nut-Hex, Lock, 0.375"NC, PD				
35	6001427	7	Clamp-Rubber Coated, 1.25"				
36	6001131	2	Clamp-Hose, Rubber Coated, 1.50"				
37	0120386	2	Washer-Flat, SAE Std, 0.25"				
38	0120388	7	Washer-Flat, SAE Std, 0.375"				
39	0180048	2	Capscrew-0.25"UNC x 2.5" Lg, Gr5				
40	6001401	4	Rivet-Pop, 0.12" x 0.25", SSD44SSBS				
41	0180087	2	Capscrew-0.313"UNC x 2.0" Lg, Gr5				
42	0180120	3	Capscrew-0.375"UNC x 0.75" Lg, Gr5				
43	0180122	5	Capscrew-0.375"UNC x 1.0" Lg, Gr5				
44	0180132	2	Screw-Hex, 0.38"NC x 2.25", Gr5, PD				
45	Q016836	2	Capscrew-0.313"UNC x 0.75" Lg, Gr5				
46	6603954	1	Pump-1.349 Cir RH, 13T, B Mt				

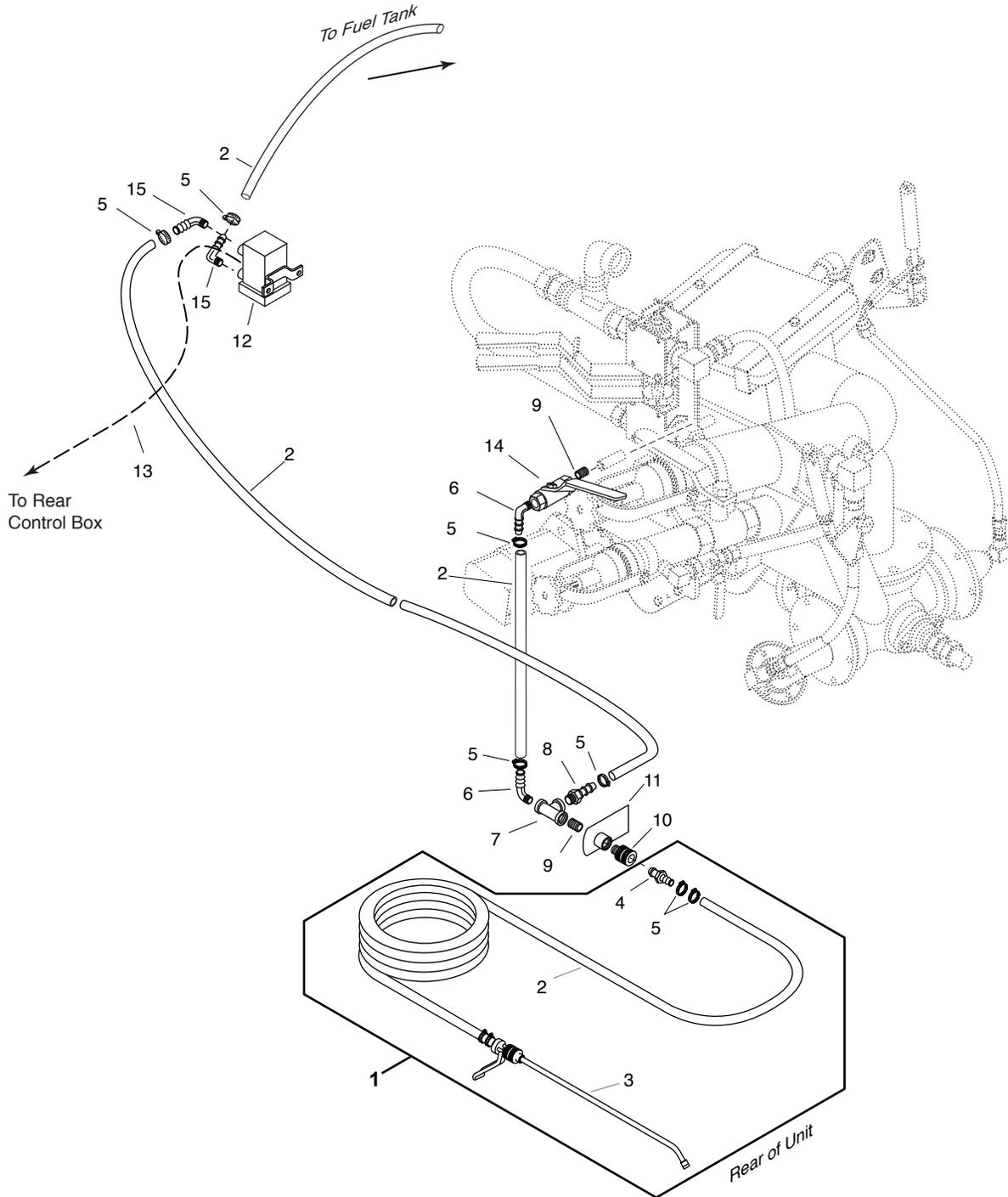
HYDRAULIC

Hydraulic & Fuel Tank 2 Compartment - Self Flushing



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	0178438	1	Cap-Pipe, 2.00NPT, PN				
2	6600224	1	Plug-Oil, Eyesite				
3	6500039	1	Thermometer-2 In. Dial, 9 In. Dual				
4	6600223	1	Breather-Crenlo #1577AL				
5	3390605	1	Plate-Instr. Hydraulic Oil				
6	0121574	4	Washer-Lock, 0.62, Spring, PD				
7	0124589	4	Nut-Hex, 0.62NC, PD				
8	0223511	4	Screw-Hex, 062NC x 1.50, GR8, PD				
9	0219301	1	Plug-Pipe, SqHd, 0.75NPT, PN				
10	2620240	1	Tank-Fuel/Hyd, 20 Gal/20 Gal				
11	6600162	1	Cock-Drain, 0.25 In. Spanco Brs				
12	6001005	1	Clamp-Hose, Screw Type, M5				
13	6602400	1	Hose Barb-06 x 04MP90				
14	6500366	1	Valve-Ball, 0.25"				
15	0105411	2	Cap-Pipe, 0.25NPT, PN				
16	0105413	2	Elbow-Pipe, 90, 0.25NPT, PN				
17	6601452	AR	Hose-Fuel/Air, 0.25" ID/Ft				
18	6445028	3	Hose End-04 x 04MP, ST, LP				
19	0105423	1	Elbow-Pipe, 90, ST, 0.25NPT, PN				
20	3360180	1	Decal-Fill W/Diesel Fuel Only				
21	6100235	1	Cap-Filler, Fuel Tank				
22	6000233	1	Gasket-2.18 Filler Cap, Leather				
AR = As Required							

Power Washdown And Self Flushing



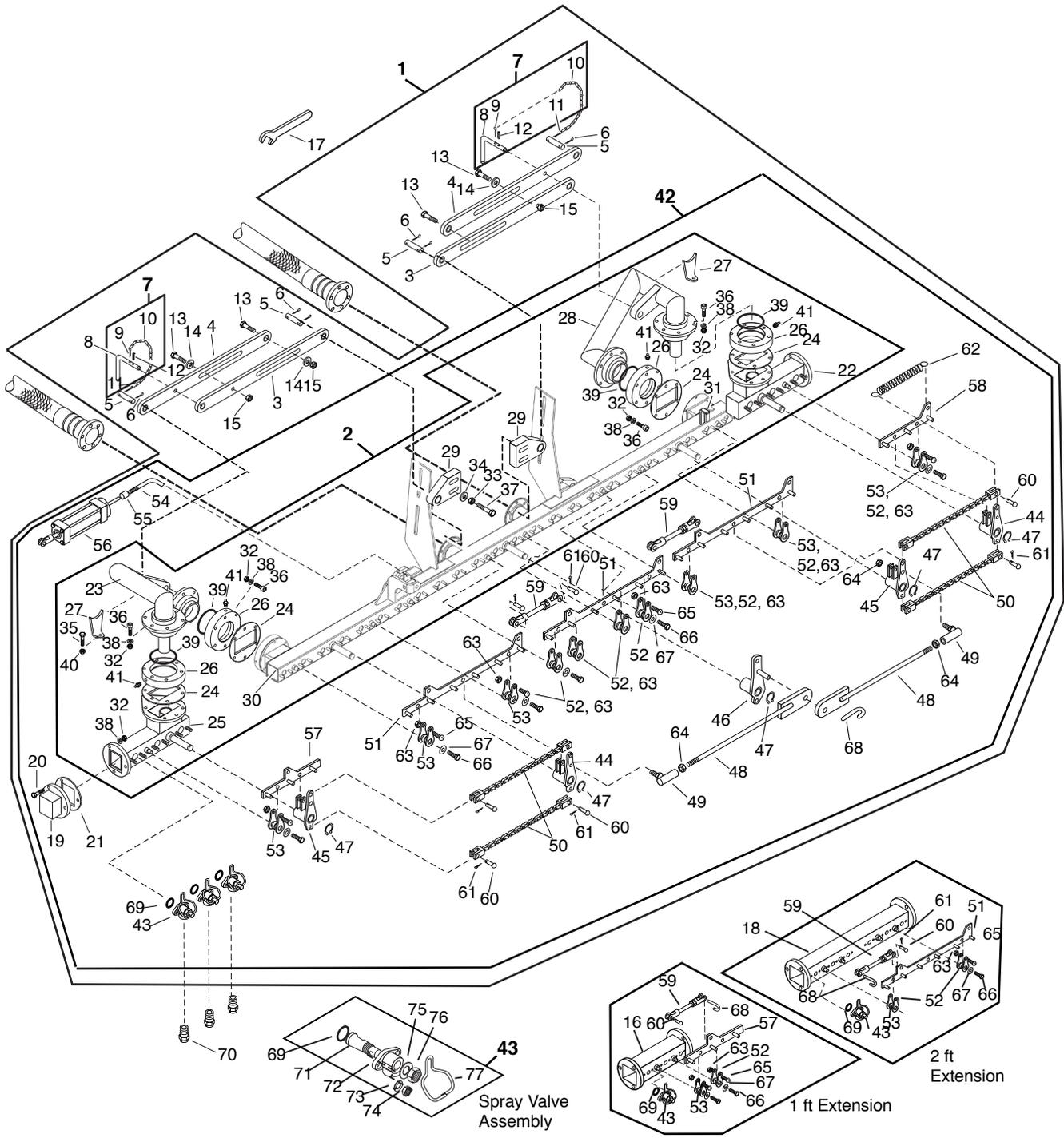
SELF-FLUSHING

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	7310028	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				

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

Spray Bar - Gang On/Off

SPRAY SYSTEM



Spray Bar - Gang On/Off

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2650819	1	Spraybar Asm-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 - See Spray Bar Nozzle Chart on Next Page for Part No.
26	2650481	4	Flange, Swivel, Spray Bar	71	3352524	1	Plug
27	2650486	2	Bracket, Wing Shear	72	3351787	1	Body
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	76	6100246	1	Nut-Jam, Lock, 0.50NF
31	3352802	1	Wing Stop-Gang Bar	77	3352483	1	Flip Lever
32	0120376	24	Nut-Hex, 0.31NC, PD				
33	0120384	4	Washer-Lock, 0.50, Spring, PD				AR = As Required
34	0120390	4	Washer-Flat, 0.50A, W., PD				NOTE:Spray Nozzles are NOT included with spray bar sections. Nozzles must be ordered separately.
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 Bar Nozzle Chart



1

3351013



2

3353788



3

3351008



4

3351009



5

3352368



6

3351015



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3352204



8

3352205



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3352210



10

3351014



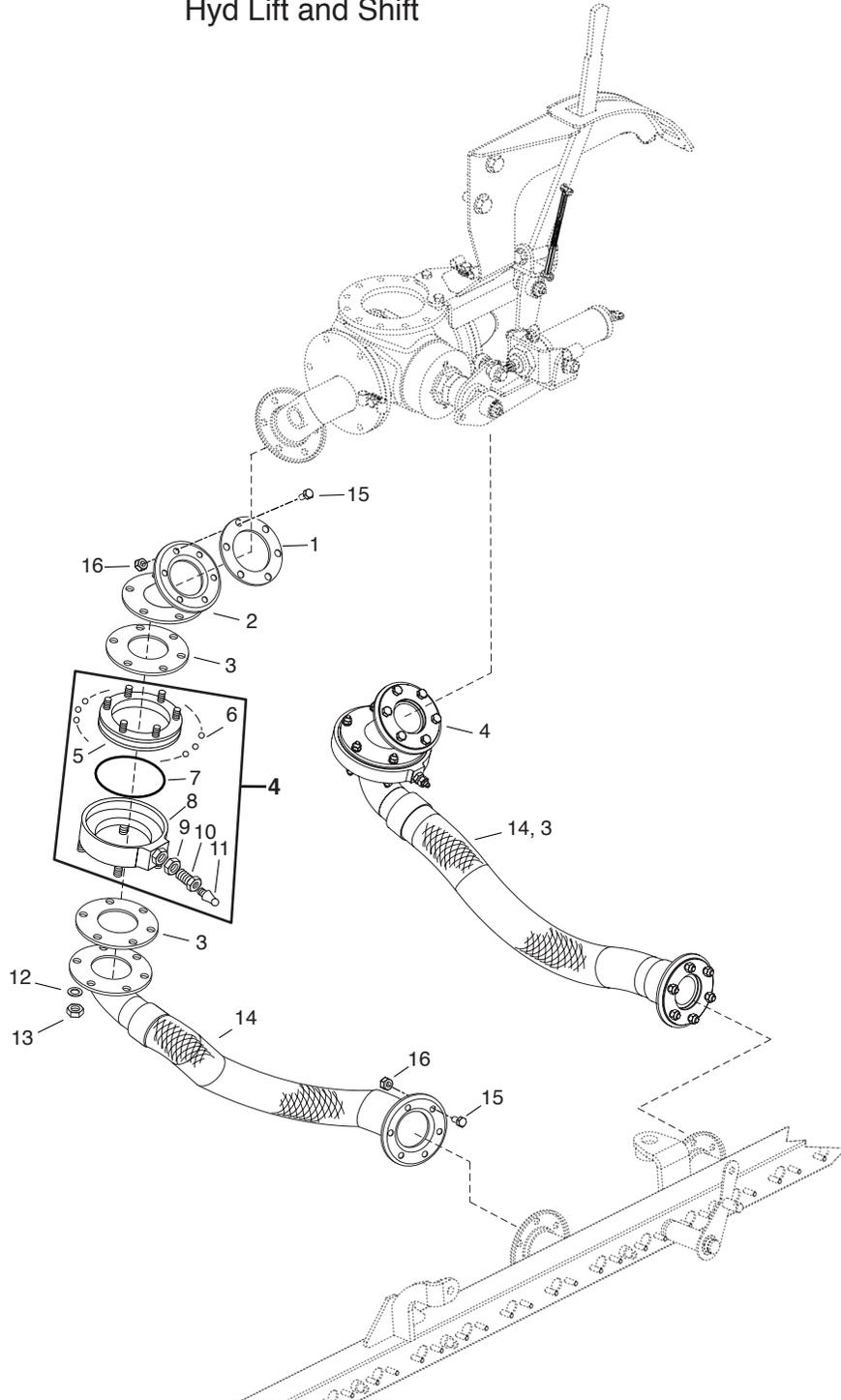
11

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

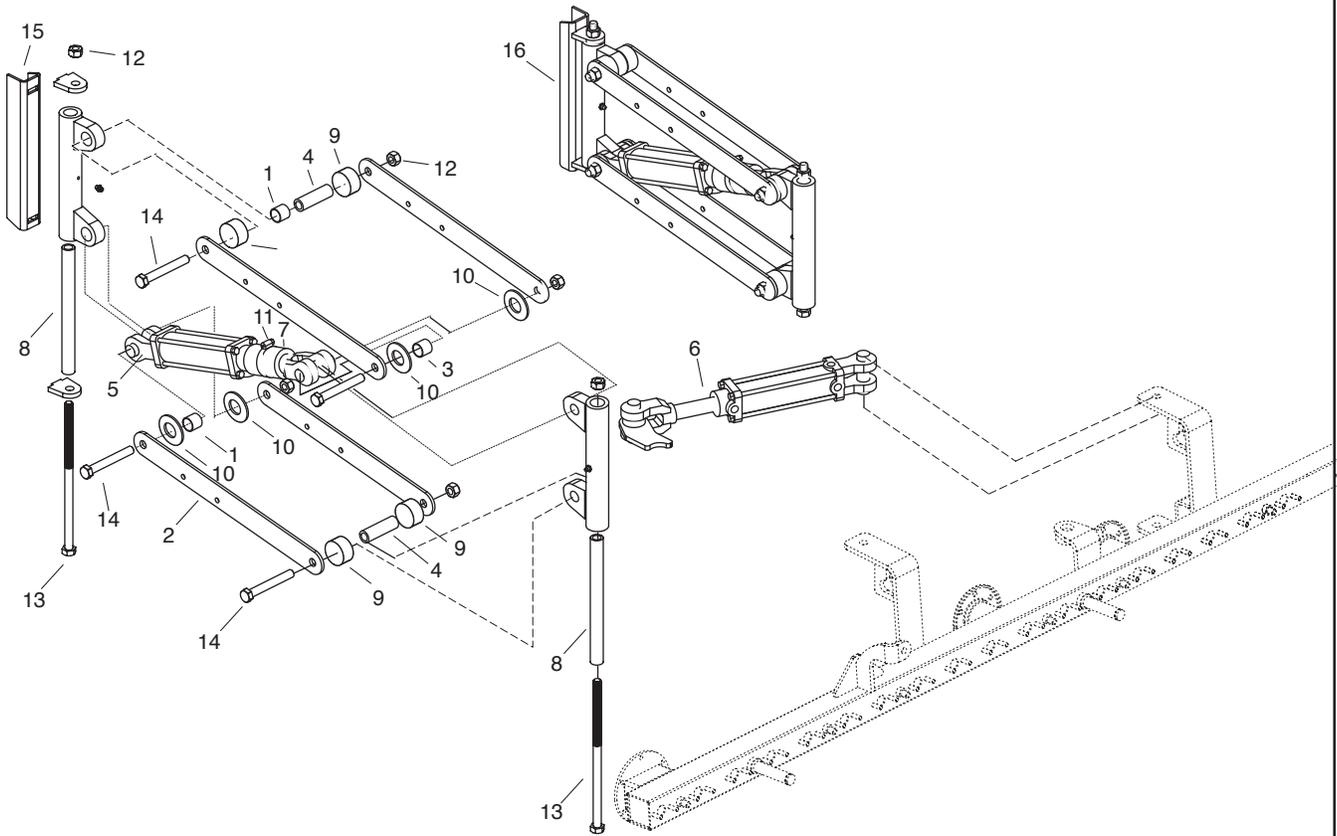
Spray Bar Feed Hose & Swivel Hyd Lift and Shift



SPRAY SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6001201	4	Gasket-2.0" Flange	9	0272123	1*	Nut-Jam, 0.44"NF, PD
2	2641180	2	4Way Swivel Pipe Flange Weldment	10	2740371	1*	Grease Fitting
3	3352615	4	Gasket-Spraybar Swivel	11	9411027	1*	Grease Zerk
4	7230219	2	Swivel Asm-Hinge Sec Mod Bar (Includes Ref #'s 5 - 11)	12	0120214	24	Washer-Lock, Spring, 0.31"
5	3352605	1*	Plate Asm-Outlet	13	0120376	24	Nut-Hex, 0.313"NC
6	6000290	47*	Steel Balls	14	6604621	2	Hose Asm-SST, 2.0" x 30.5" w/ Braid
7	6602669	1*	O-Ring, 5.50" OD x 0.25"	15	0180121	24	Capscrew-Gr5, 0.375"UNC x 0.88" Lg
8	3352607	1*	Plate Asm-Inlet	16	0274993	24	Nut-Hex, Lock, 0.375"NC, PD
							* = Quantity per Swivel

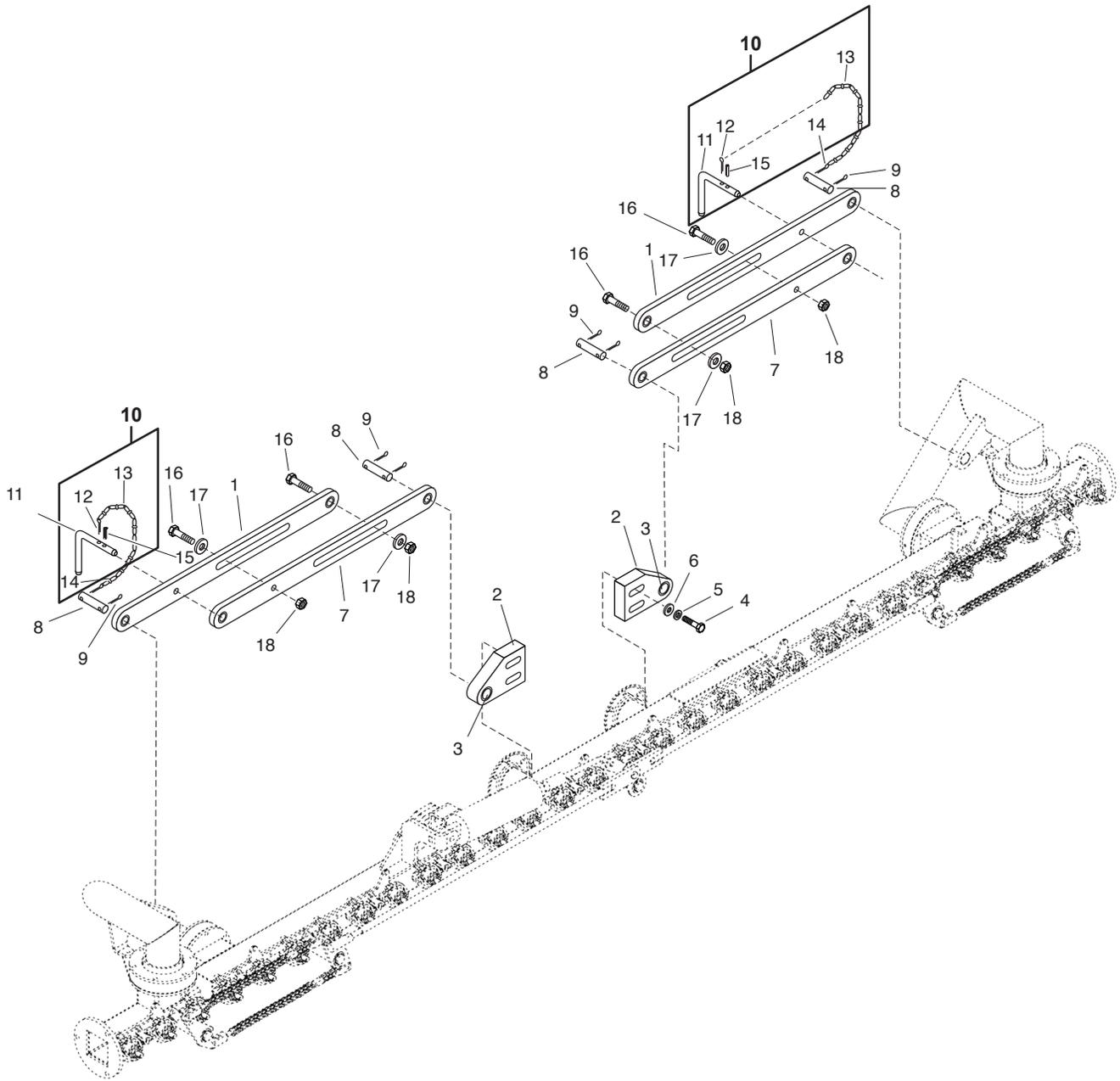
Spraybar Lift & Shift



SPRAY SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2650517	3	Horz Vert Pivot-Bar Carry	14	0228011	8	Screw-Hex, 0.63"NC x 4.75", Gr8,PD
2	2650513	8	Plate-Arm, Bar Carry	15	2611033	1	Bracket-Support, Bumper, RH
3	2650830	1	Side Shift-Horz Vert Pivot	16	2611034	1	Bracket-Support, Bumper, LH
4	2650516	8	Tube-Vertical Pivot, Bar Carry				
5	6601781	2	Cylinder-Hyd, 2.0" x 6.0"				
6	6601781	1	Cylinder-Hyd, 2.0" x 6.0"				
7	2650561	2	Stop-12.0" Spray Height Cyl				
8	2650515	4	Tube-Inner, Bar Carry				
9	2650563	8	Spacer-Bar Carry, 1.0625"				
10	2650562	8	Spacer-Bar Carry, 5/16"				
11	6600906	2	Clamp-Hose, Worm Drive, 1.81" x 2.75"				
12	9413948	12	Nut-Hex, Lock, 0.62"NC, EA, GRA, PD				
13	6100435	4	Screw-Hex, 0.63"NC x 13.0", Gr5				

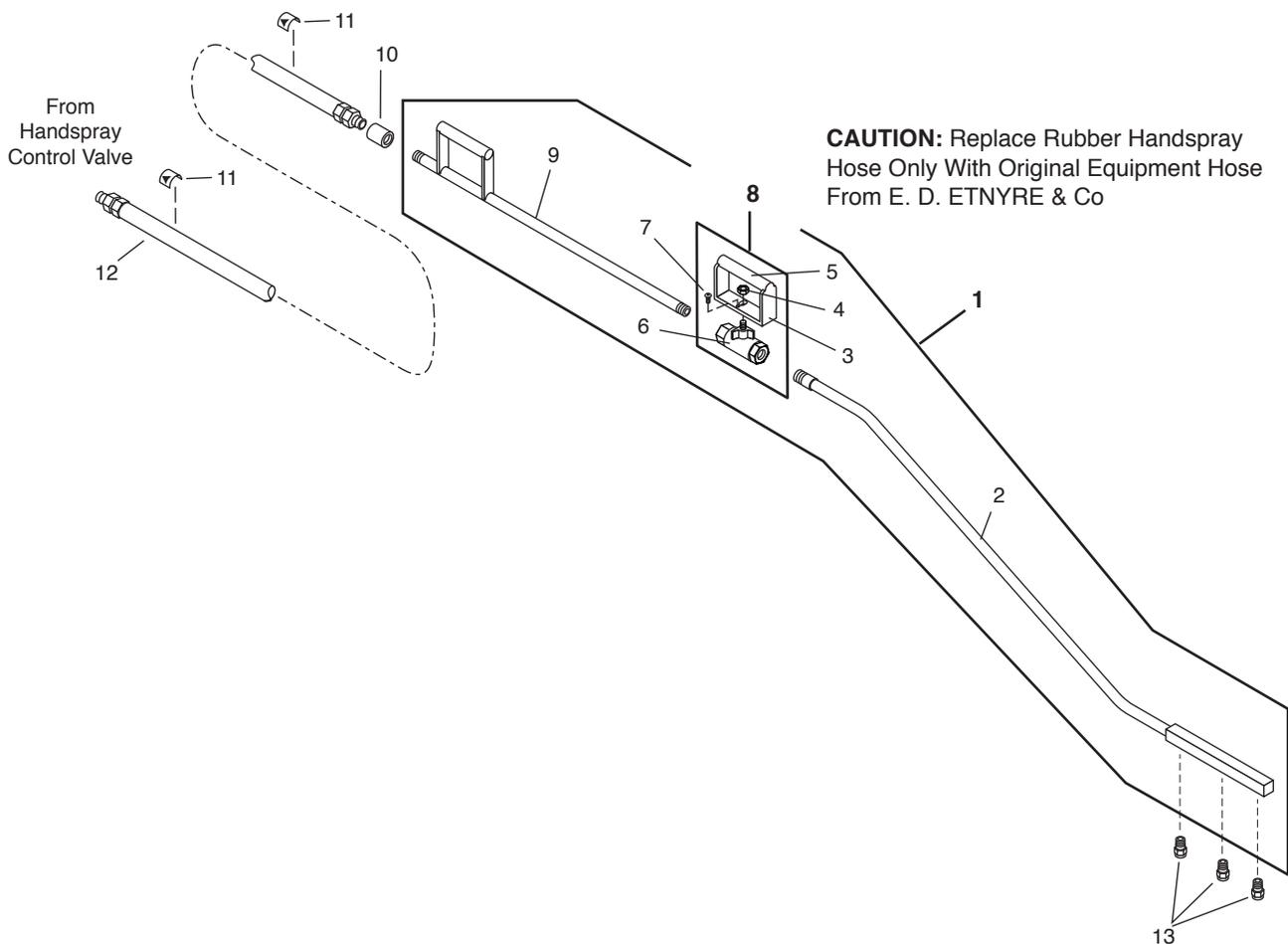
Spray Bar Wing Raise - Manual



SPRAY SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3361128	2	Bar Wing Up	10	3350785	2	Pin Asm-Yoke, Relieving Sect <i>(Includes Ref #'s 11 - 15)</i>
2	2650506	2	Lug Asm,Wing Raise, Adj.	11	3350786	1	Yoke Pin
3	6420194	2	Bushing-DU, 1.00 x 1.12 x 1.00 Lg. <i>(Included with Ref. 2)</i>	12	0103384	1	Pin-Cotter, 0.12 x 0.75, PD
4	0180181	4	Screw-Hex, 0.50NC x 2.00, GR5, PD	13	3350688	1	Chain-Tenso 1 x 9 Lg.
5	0120384	4	Washer-Lock, 0.50, Spring, PD	14	6000404	1	S-Hook, W.D. Allen, 1.25L x .56W
6	0114951	4	Washer-Flat, 0.50, PN	15	0456540	1	Pin-Spring, 0.19 x 0.62, HV, PN
7	3361127	2	Bar Wing Up (Long)	16	0122472	4	Screw-Hex, 0.50NC x 2.50, GR2, PD
8	3311593	4	Pin-Cyl. Lift/Shift Manual	17	0120390	4	Washer-Flat, 0.50A, W, PD
9	0137204	8	Pin-Cotter, 0.12 x 1.50 PD	18	9411727	4	Nut-Hex, Lock, 0.50NC, EA, PD

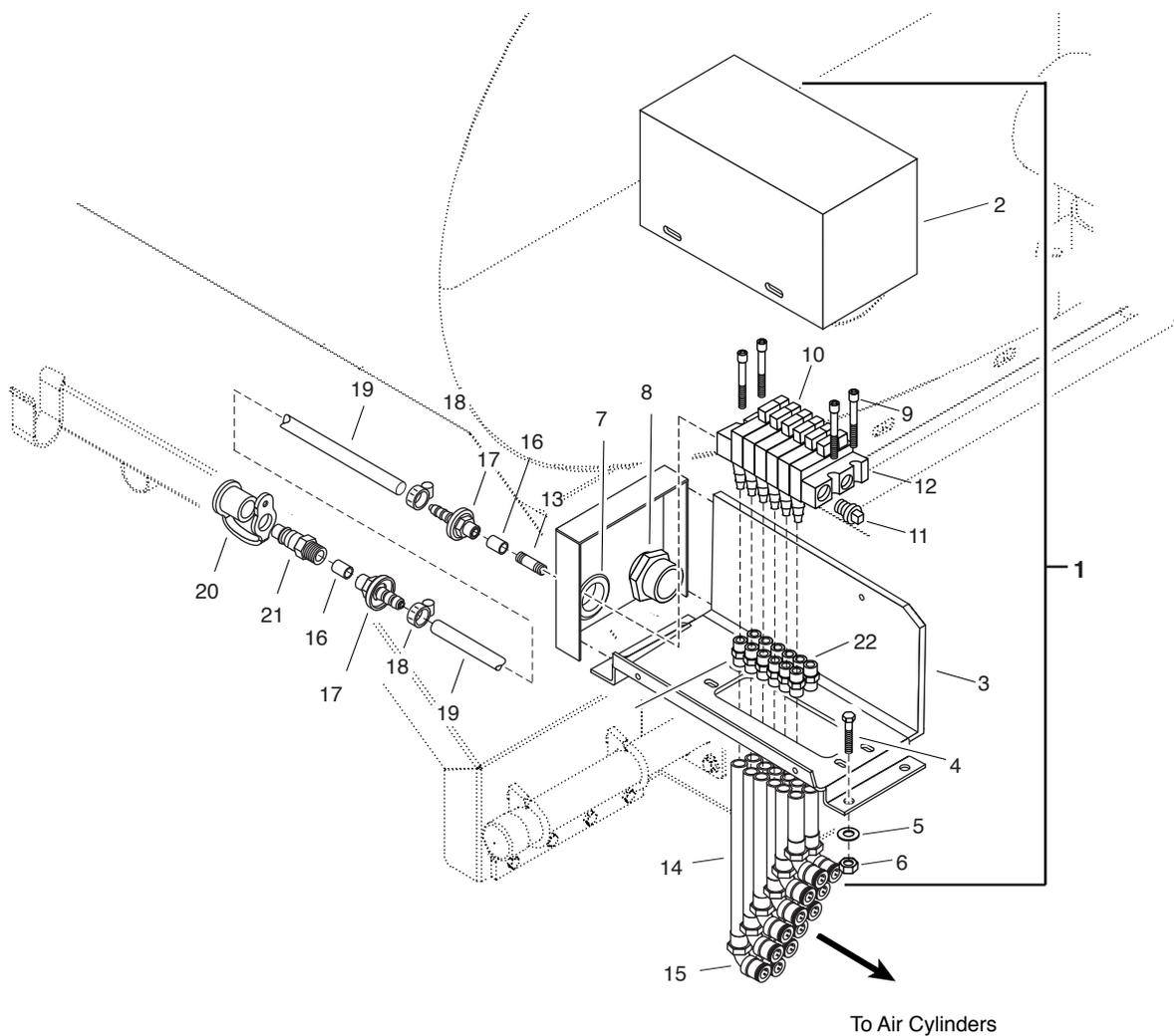
Handspray



SPRAY SYSTEM

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3380785	1	Gun Assembly-Handspray, Phase II <i>(Includes subassembly 8, and Ref #'s 2, 9)</i>				
2	3380788	1	Tube Asm-Offset, Handspray Gun				
3	3380791	1	Bracket-HS Valve Handle				
4	6100441	1	Nut-Hex, Lock, Jam, 0.44NF, PD				
5	3380052	1	Handle-Handspray Hdl & Vlv				
6	6602237	1	Valve-Ball, 0.750 Bronze				
7	0436732	1	Screw-Mach, PNSL, 10NC x 0.50				
8	3380784	1	Valve Asm-Hand Spray Gun <i>(Includes Ref #'s 3 - 7)</i>				
9	3380787	1	Tube Asm-Handspray Gun				
10	0111661	1	Coupling-Pipe, 0.75, Plain				
11	3390591	2	Tag-Caution, Handspray Hose				
12	6602720	1	Hose-Handspray, 0.75 In x 25 Ft				
13	6602020	3	Nozzle-V Type, Nominal 3.5 GPM				

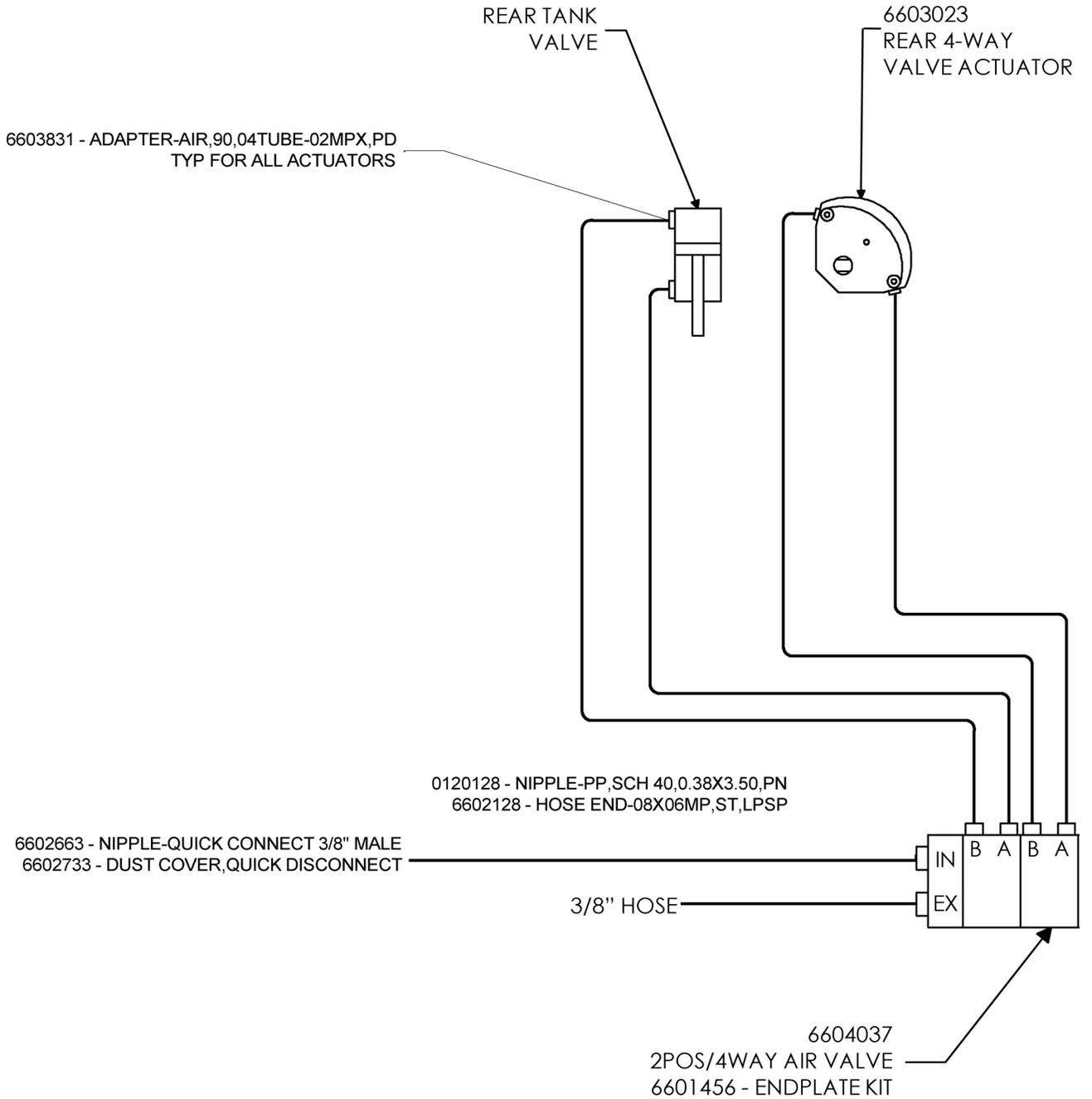
Air Supply



AIR SYSTEM

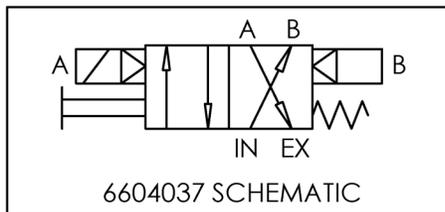
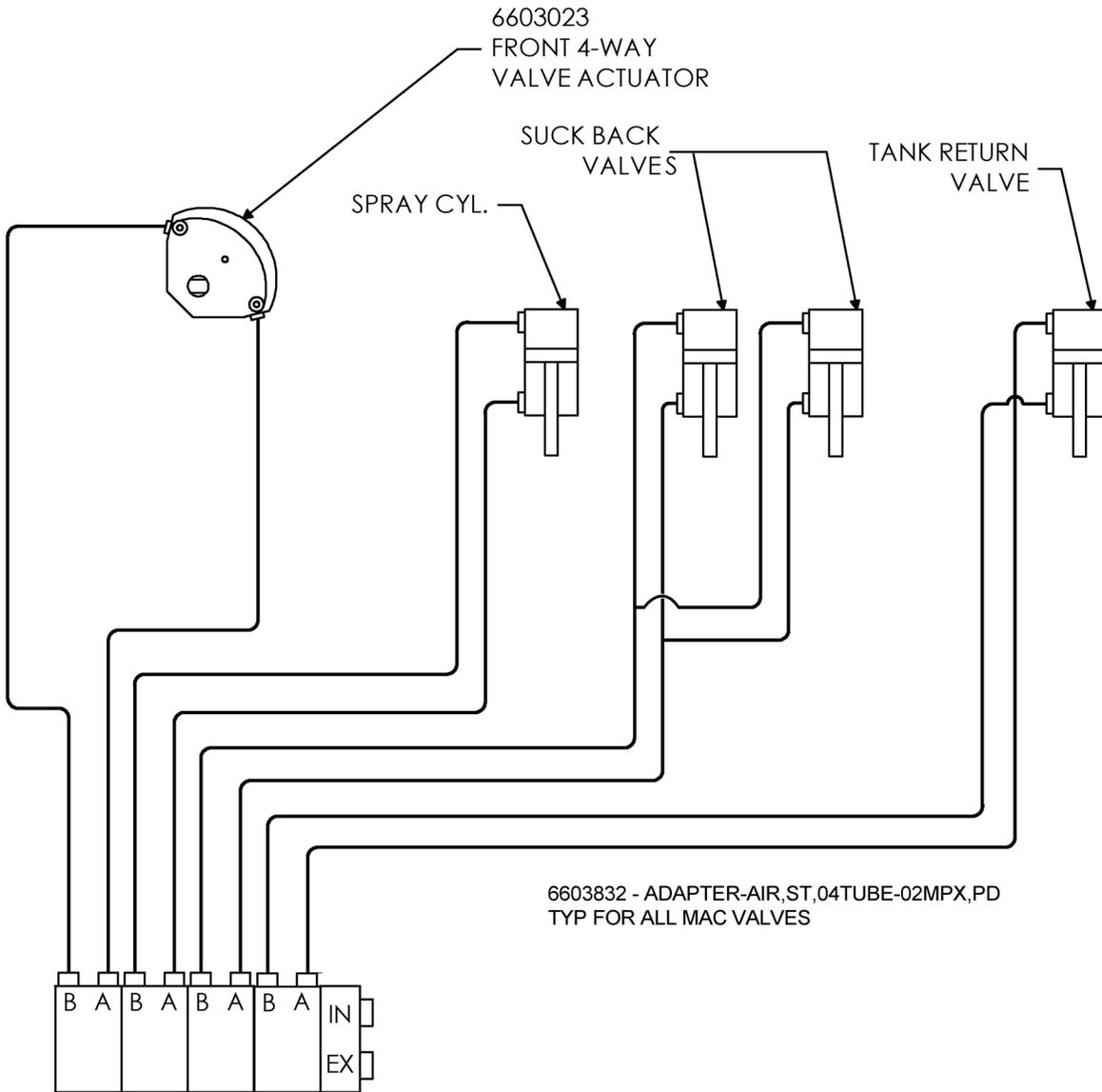
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2680870	1	Mac Valve Box Install <i>(Includes Ref #'s 2-8, but NOT 9-12)</i>	11	0219191	1	Pipe Plug, SqHd, 0.38NPT
2	2680863	1	Lid-Air Valve Mounting Bracket	12	6601456	1	End Plate Kit-2 Plts,Blts, Gskts
3	2680860	1	Air Valve Mtg, Bracket Asm	13	0120128	1	Nipple, Sch 40, 0.38" x 3.5"
4	0180020	4	Capscrew, Gr5, 0.25"UNC x 0.75" Lg	14	6309518	50'	Tube-FEP, 0.25" x 0.18", Blue SNS
5	0120386	4	Washer-Flat, SAE Std, 0.25"	15	6603831	12	Adapter-Air, 90, 04Tube-02MPX, PD
6	9413946	4	Nut-Hex, Lock, 0.25"NC, PD	16	0120755	2	Coupling-Pipe, 0.38"NPT, PN
7	6703407	1	Grommet-Rubber, 11/16 Hole	17	6600102	2	Hose End, 06 x 06FSX, St, 0.25"
8	6702108	1	Adapter-Trk-Lt, 0.38"ID 50840	18	6000087	3	Hose Clamp, 0.56 - 1.06
9	0138207	4	Capscrew-Hex, 1/4-20X2 1/4	19	6309162	25'	Hose, 0.38" per Ft.
10	6604037	5	Valve-Air, 2 Pos, 4 Way, 12VDC	20	6602733	1	Cover-Dust, Quick Disconnect
	6604038	AR	Coil	21	6602663	1	Nipple-Quick Connect, 0.375" Male
	7420231	1	Gasket	22	6603832	12	Adapter-Air, ST, 04Tube-02MPX, PD
	7215169	1	Repair Kit				AR = As Required
	7530034	AR	Solenoid				

Air Controls Schematic - 9306244



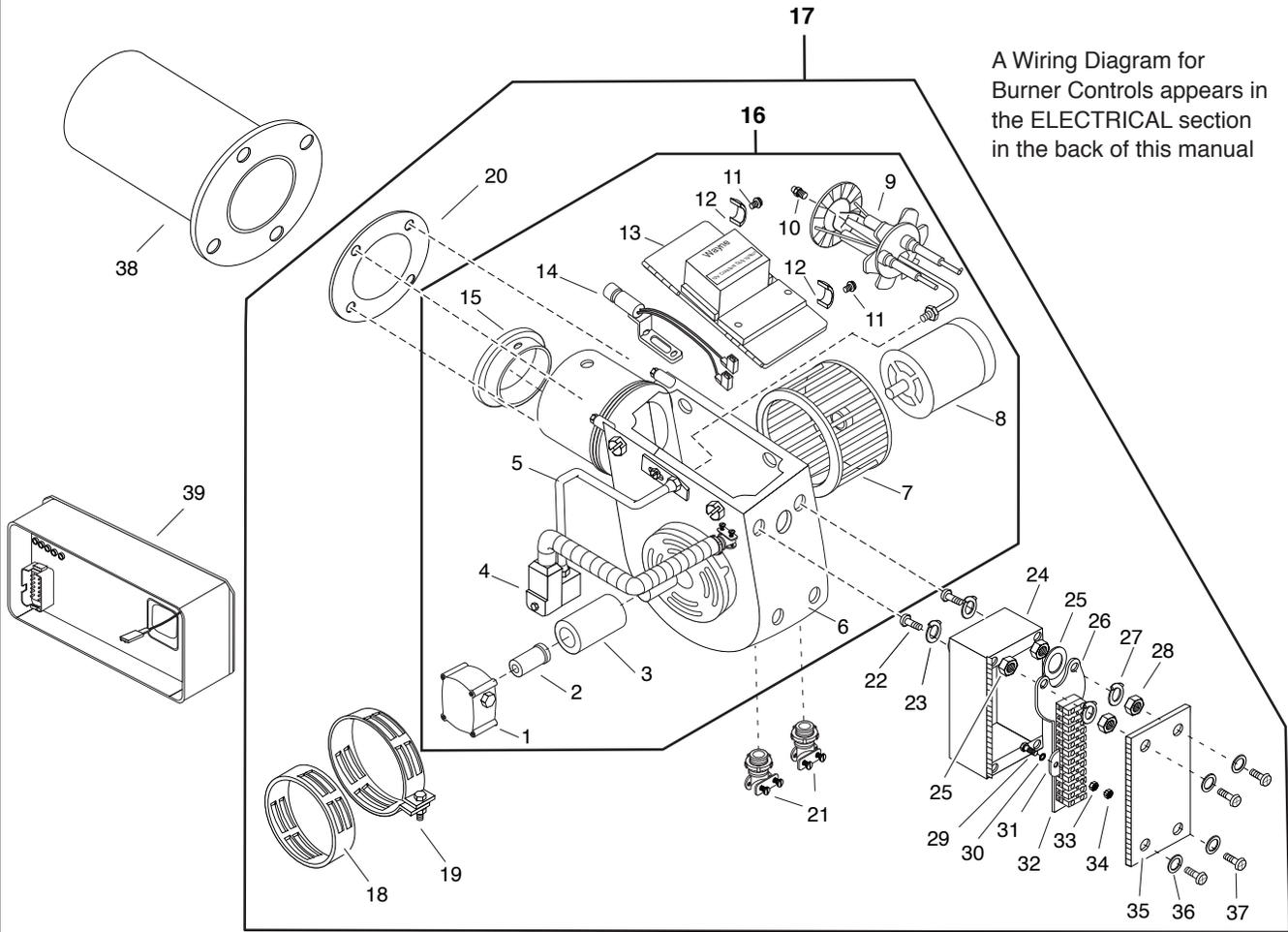
AIR SYSTEM

Air Controls Schematic - 9306244



AIR SYSTEM

Fuel Oil Burner Installation



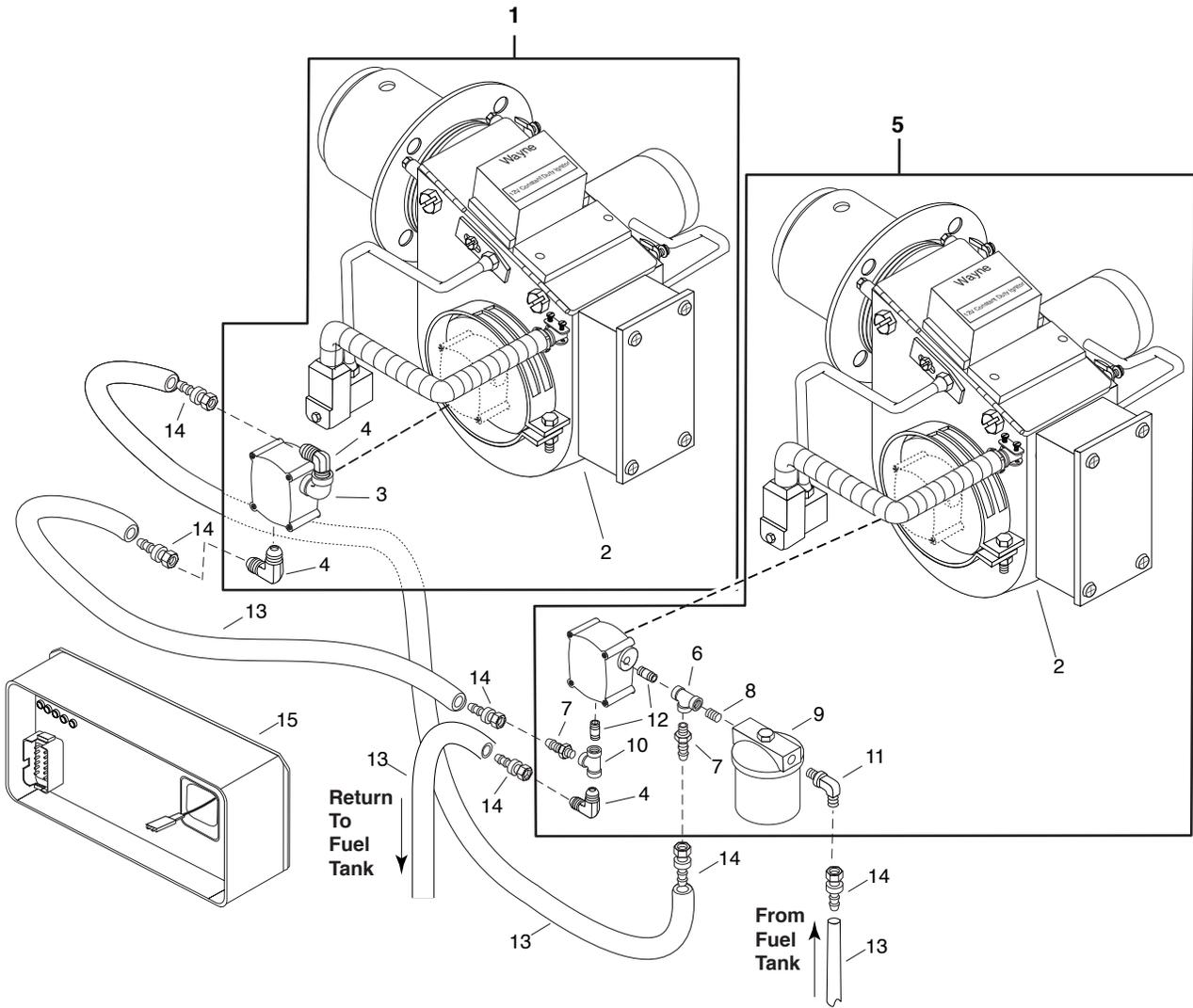
A Wiring Diagram for Burner Controls appears in the ELECTRICAL section in the back of this manual

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

BURNER SYSTEM

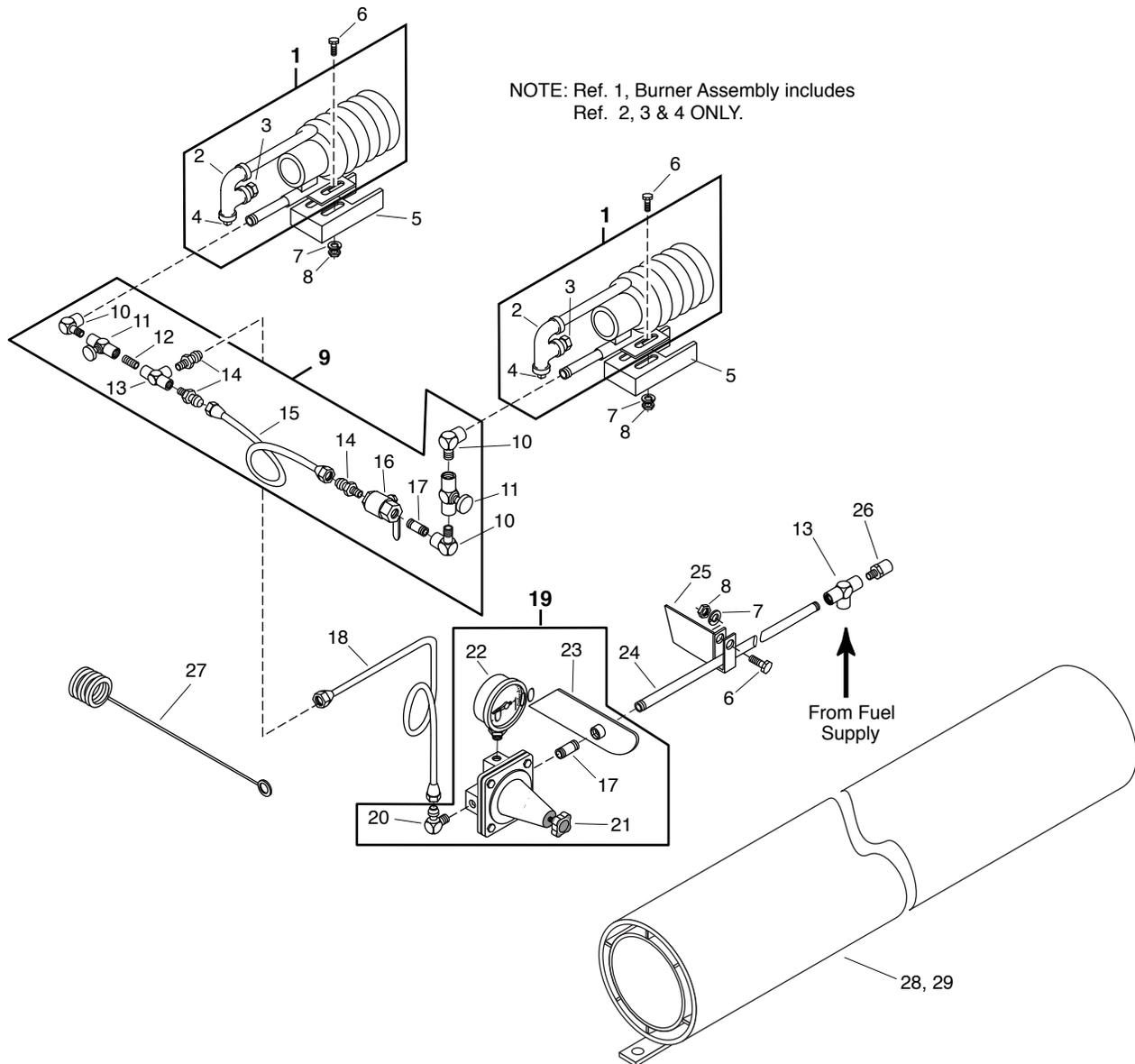


REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3331597	1	Mod. Wayne Burner Asm-Lower Burner (Includes Ref #'s 2-4)	10	0105417	1	Pipe-Tee, 0.25 in. NPT, PN
2	3331520	2	Burner Assembly	11	6200179	1	Elbow-Flared Tube, Liget 10F33
3	0105423	1	Elbow-Pipe, 90, ST, 0.25NPT, PN	12	6200417	2	Nipple-Sch 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				

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

LPG Burners

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

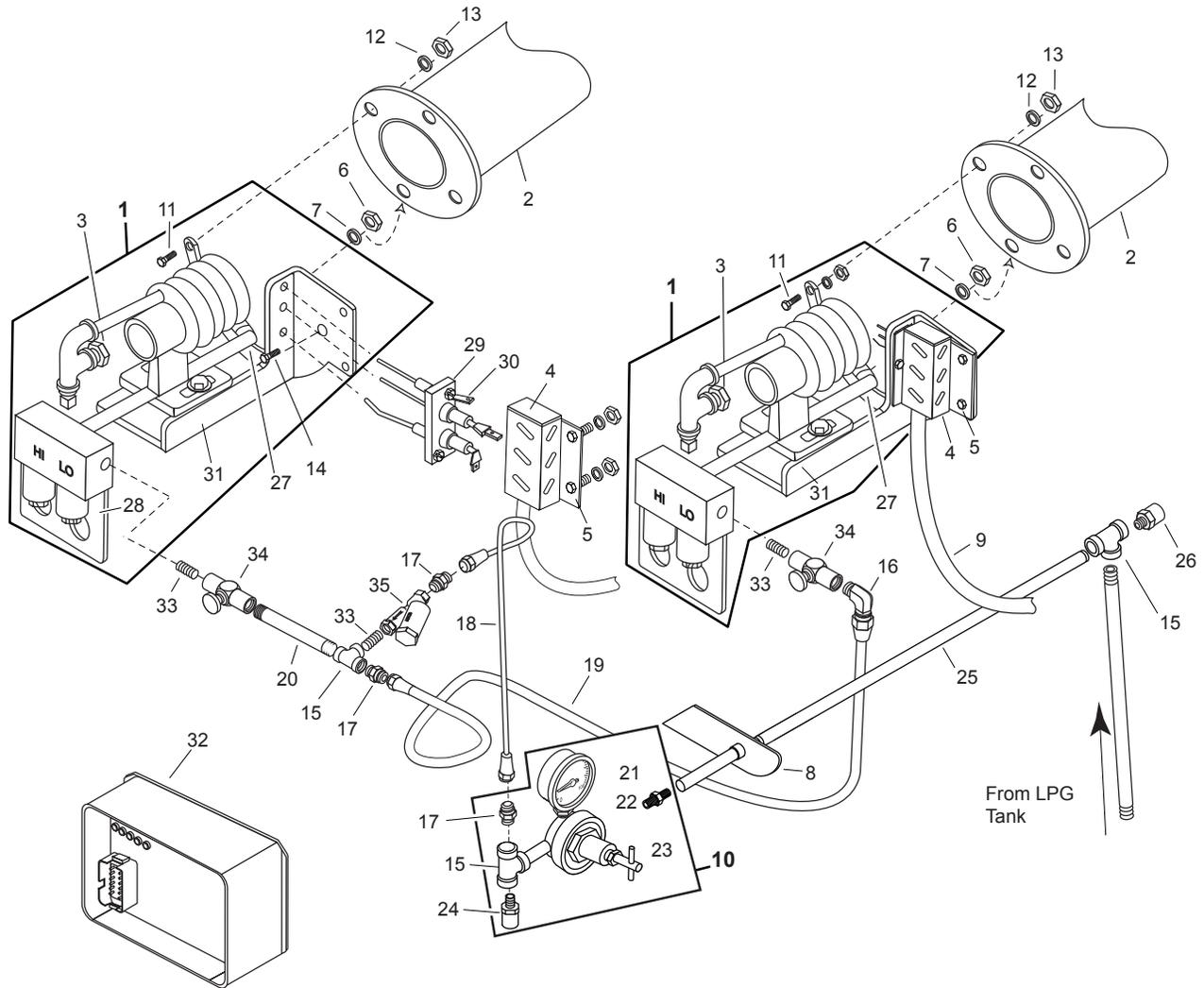


BURNER SYSTEM

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

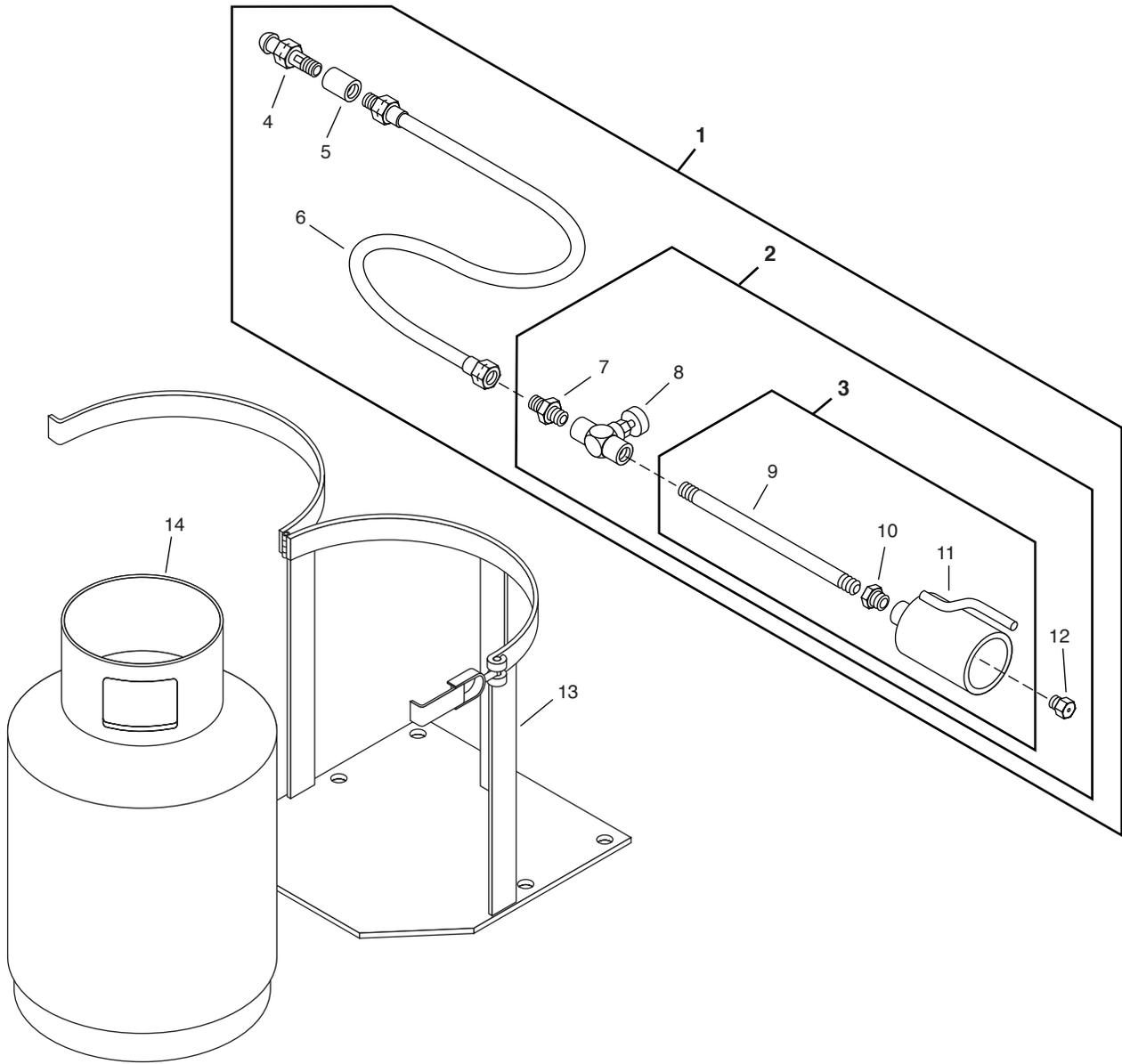
LPG Burners With Outfire



BURNER SYSTEM

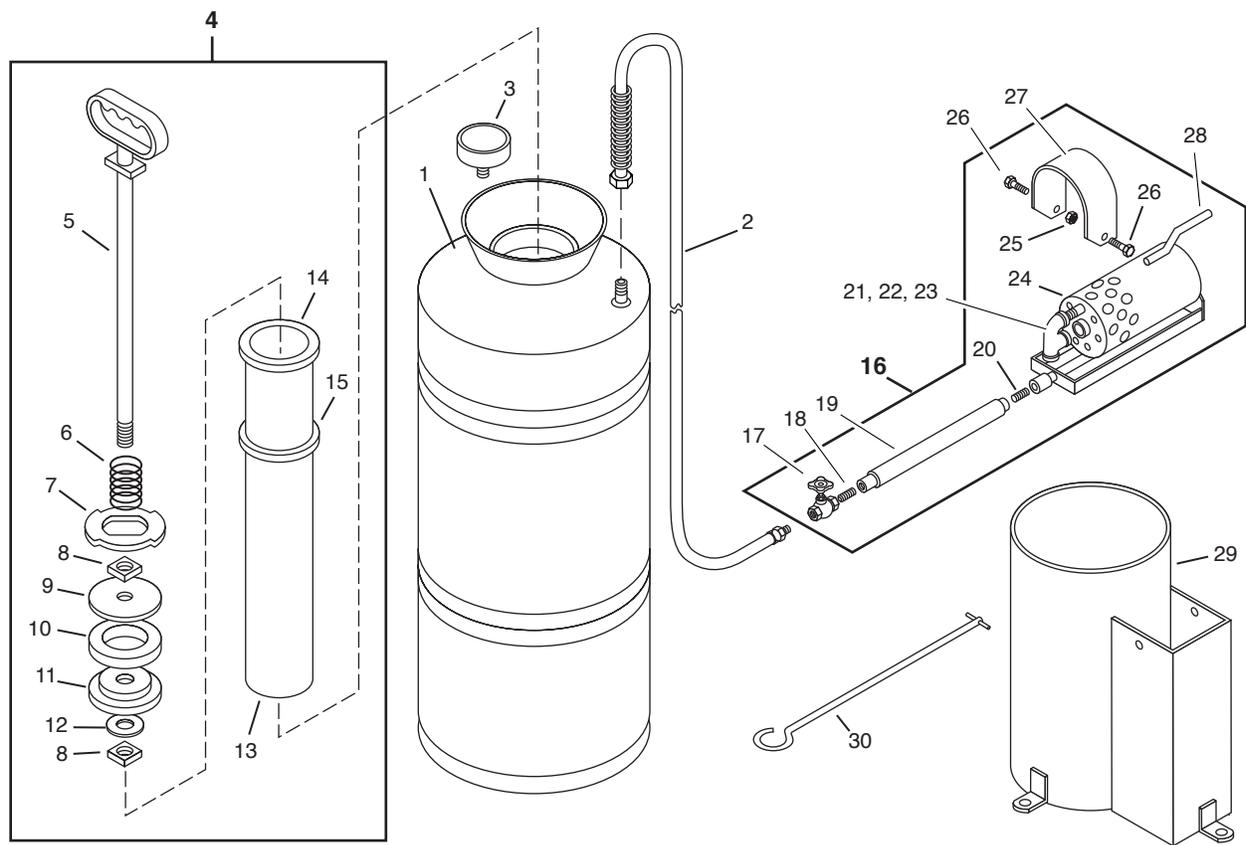
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3331661	2	Burner Asm-LPG ETNYRE <i>(includes Ref #'s 3, 28, 31, but NOT 11, 14, 16, 27)</i>	19	3331588	1	Tube Asm-LP, Upper Burner
2	3331519	2	Flue Liner Asm-Fuel Oil-Optional	20	6201180	1	Nipple-Pipe, SCH80, 0.25 x 3 in., PN
3	3331086	2	Nozzle-LPG 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 <i>(Includes Ref #'s 15, 17, 21-24)</i>	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



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				

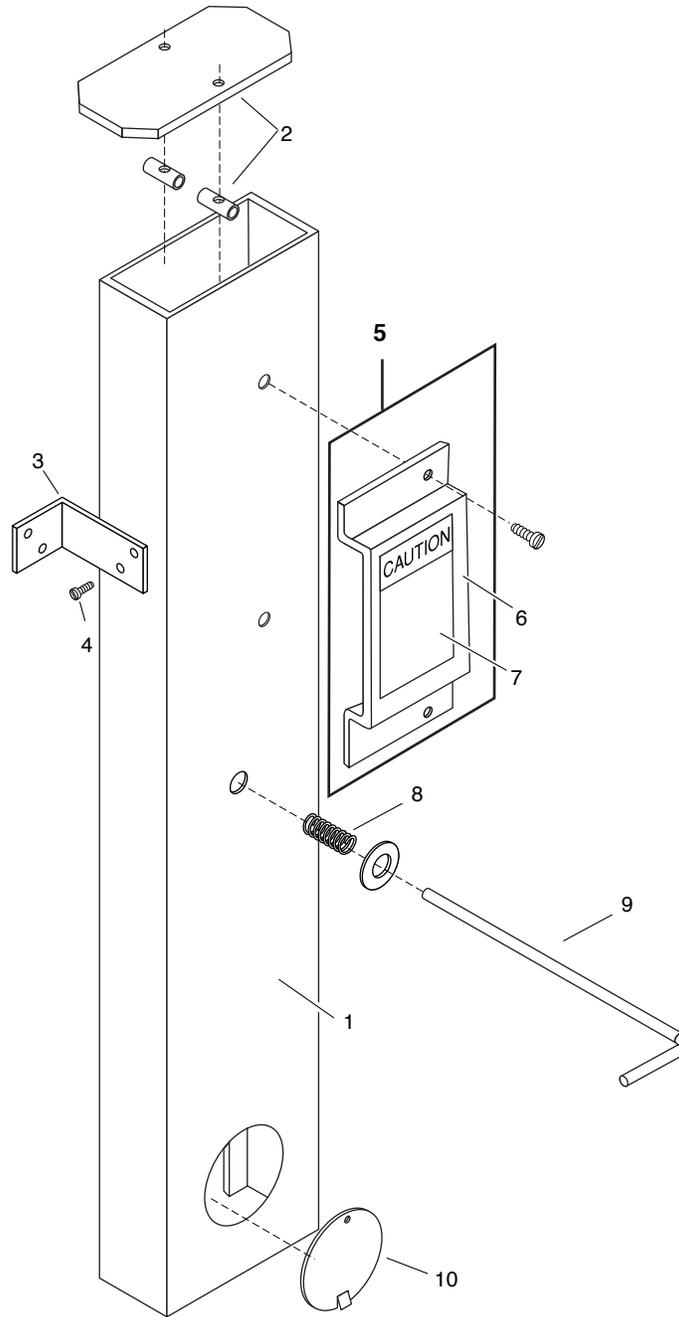
Portable Generating Burner



BURNER SYSTEM

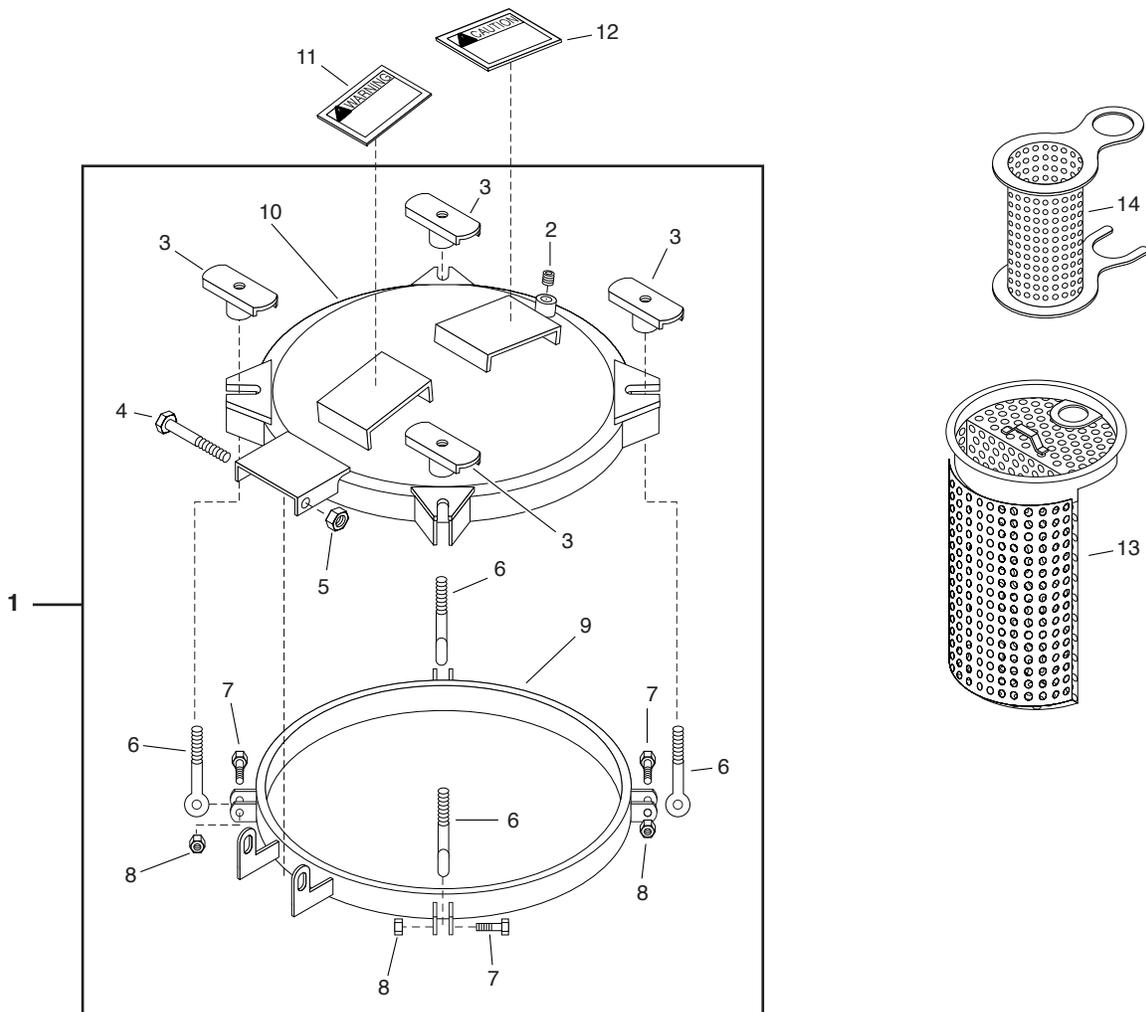
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
	6500053	1	Portable Burner Asm (Less Ref #'s 29 & 30)	16	3331382	1	Burner Asm (Includes Ref #'s 17-28)
1	7700086	1	Tank	17	7700024	1	Valve
	7700050	1	Carrying Strap	18	0105405	1	Nipple-0.25 x 0.87, CL
2	7700065	1	Hose-6Ft.	19	2630080	1	Handle 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



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2630656	1	Stack Asm-Smoke, 39" Lg				
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 (Includes Ref #'s 6 & 7)				
6	3390562	1	Bracket-Warning Plate Mount				
7	3390684	1	Decal: Caution, Hot Surface				
8	6000496	1	Spring-Release, LE ROI #1473				
9	2630014	1	Arm Assembly-Damper Control				
10	2750038	1	Disc-Insp., Smoke Stack				

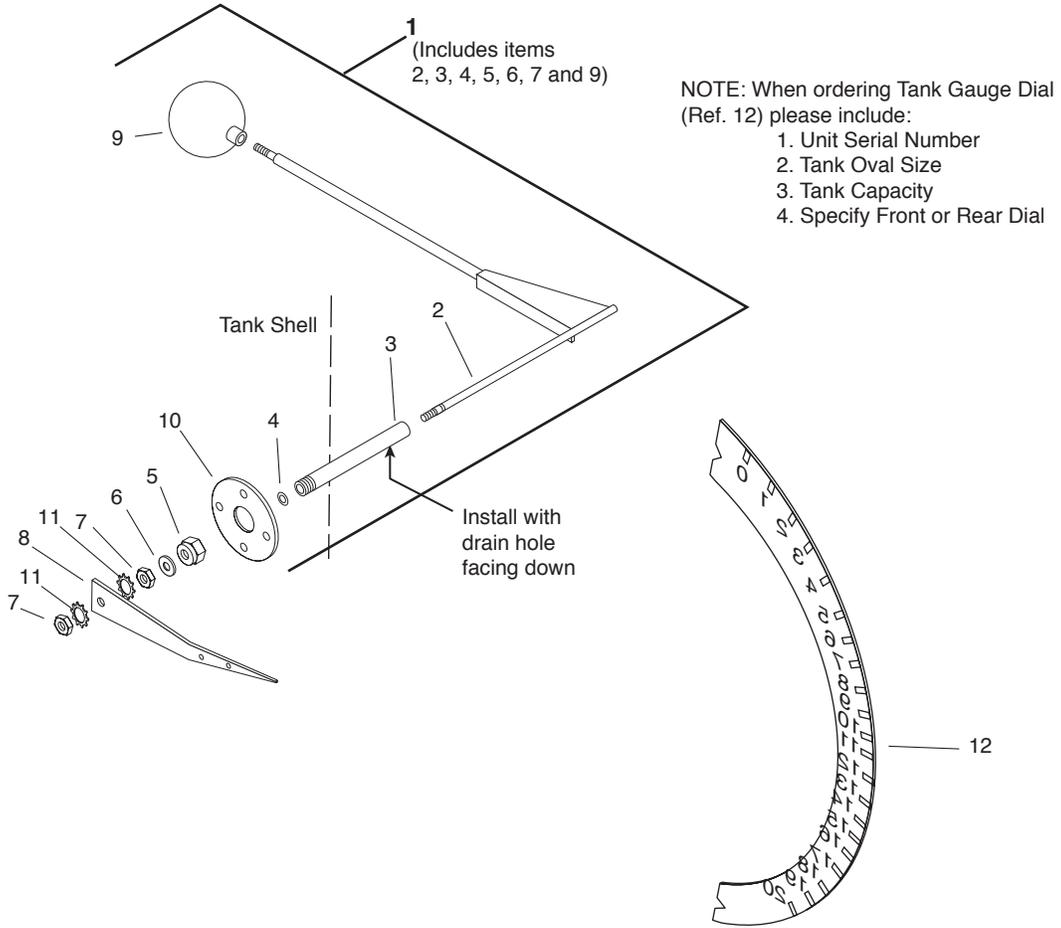
Manhole & Strainers



TANK

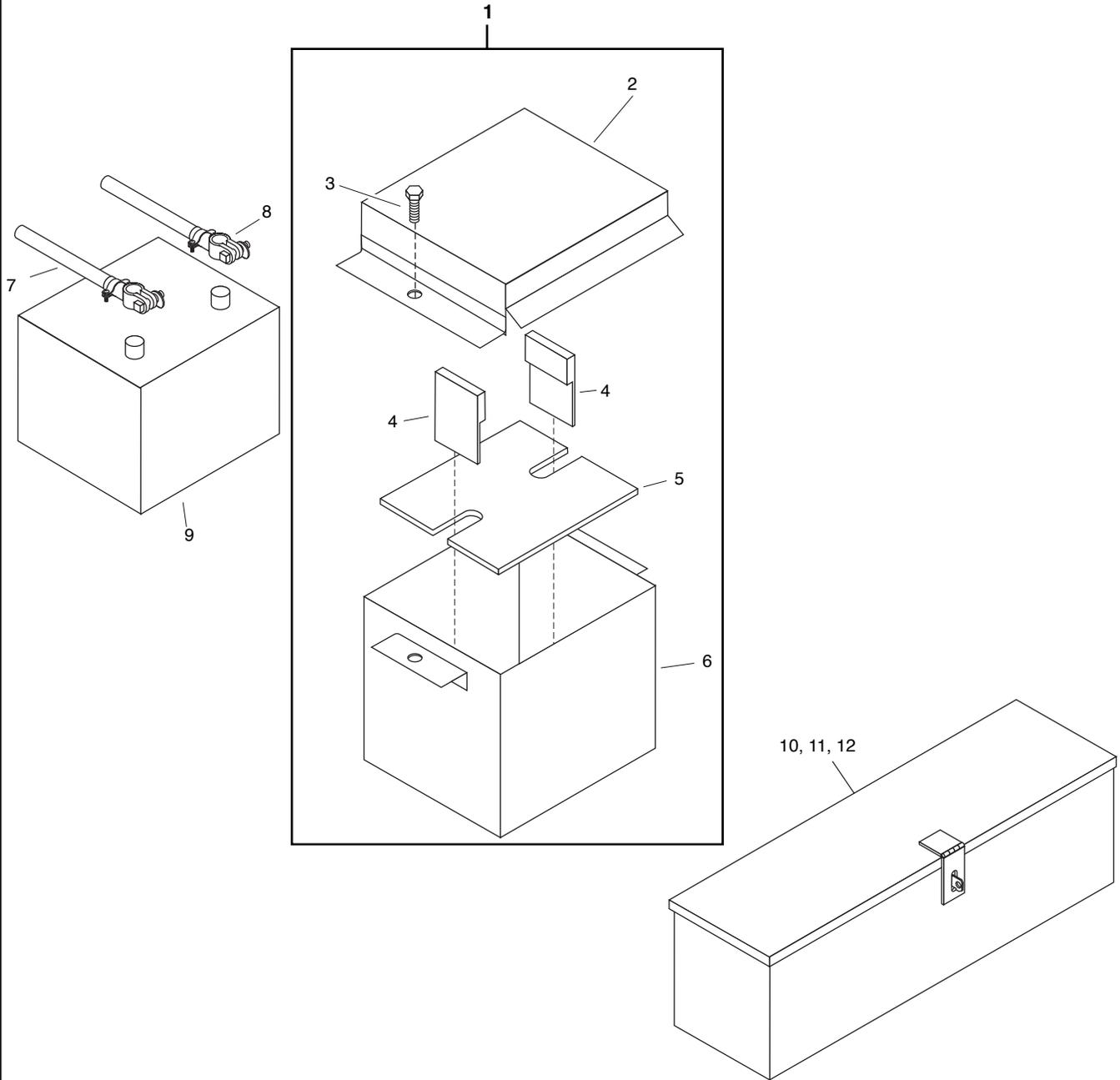
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2600382	1	Manhole Asm-20 <i>(Includes Ref #'s 2 - 10)</i>	11	3390679	1	Plate-Warning, Manhole
	2700248	1	Gasket-Cover, MH, Non Rel, 20	12	3390684	1	Plate-Caution, Hot Surface
	6001133	1	Garlock-Packmasters, 3/4" Sq	13	2690170	1	20" Strainer
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 Gauge Assembly



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				

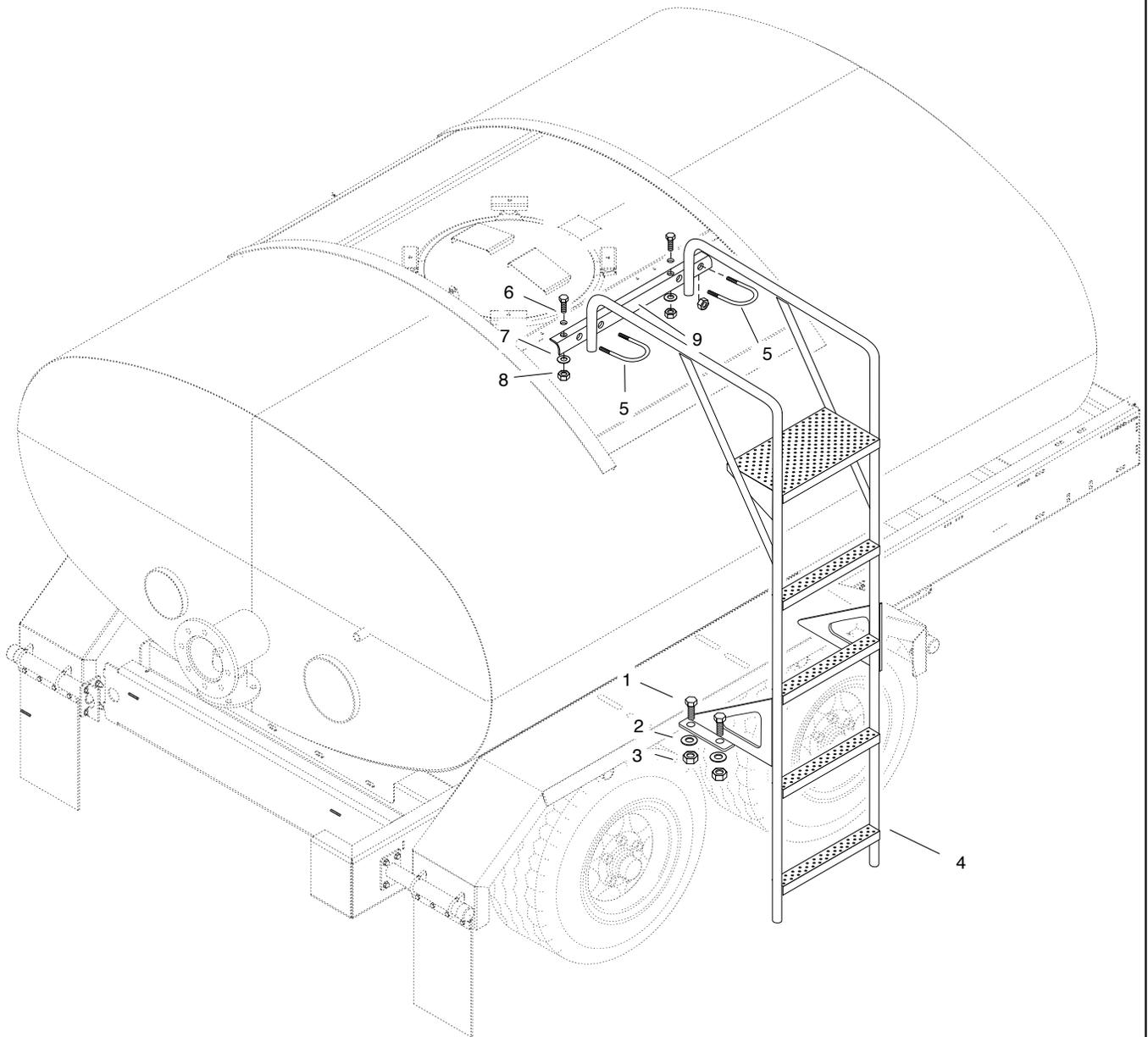
Battery Box Assembly
3320796
Tool Box



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	3320796	1	Battery Box Asm (Includes Ref #'s 2 - 4, 6)	7	2670057	1	Cable Battery-56"
2	3320461	1	Lid-12 Volt Battery Box	8	3370115	1	Cable Asm-Battery, 36 In.
3	0121887	2	Screw-Hex, 0.25NC x 0.75, GR2, PD	9	6700239	1	Battery-12V, 50 AMP, Ele Start
4	3320457	2	Hold Down-Battery	10	2610432	1	Toolbox Asm-36"
5	3320462	1	Bottom-Wood, 12 Volt Bat Box		2750142	1	Toolbox Asm-30.5"
6	3321126	1	Box Asm-Battery 12 SS24	11	0120233	4	Screw-Hex, 0.38"NC x 1.00", Gr2, PD
				12	0274993	4	Nut-Hex, Lock, 0.38"NC, EA, PD

ACCESSORIES

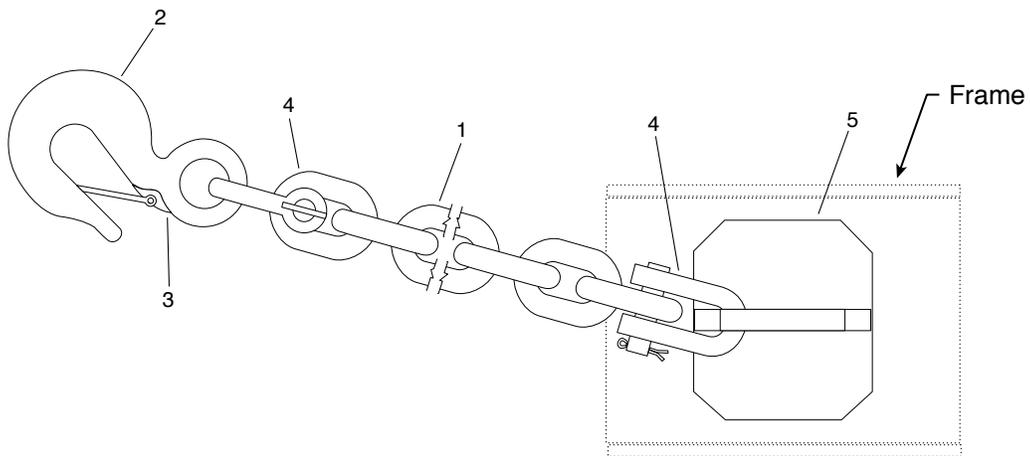
Ladder Installation



ACCESSORIES

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	0180122	4	Capscrew, Gr5, 0.375"UNC x 1.00" Lg	6	0180022	4	Capscrew, Gr5, 0.25"UNC x 1.00" Lg
2	0120388	8	Washer-Flat, SAE Std, 0.375"	7	0120386	8	Washer-Flat, SAE Std, 0.25"
3	0274993	4	Nut-Hex, Lock, 0.375"NC, PD	8	9413946	4	Nut-Hex, Lock, 0.25"NC, PD
4	2680838	1	Ladder Asm, 36" x 70", 4 Rung	9	2680878	1	Bracket-Ladder, Top
5	6002470	2	U-Bolt Asm-0.75" Pipe				

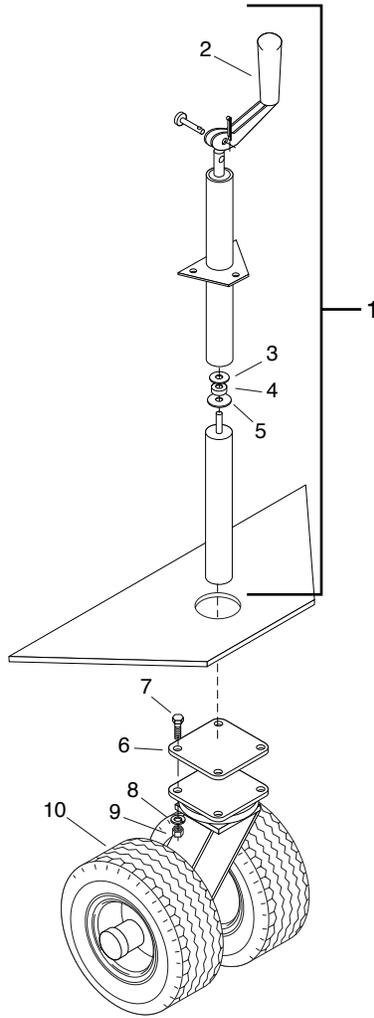
Safety Chain
9301154



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6000349	1	Chain-Prf Coil .38, Prls #50104				
2	6001122	1	Hook-Crosby 32DA 2 Ton, 1-1/8 Eye				
3	6001123	1	Latch-Safety Crosby SS-4055				
4	6001124	2	Shackle-Chain 7/16 Size, 1-1/2 Ton				
5	2680176	2	Bracket-Safety Chain				

ACCESSORIES

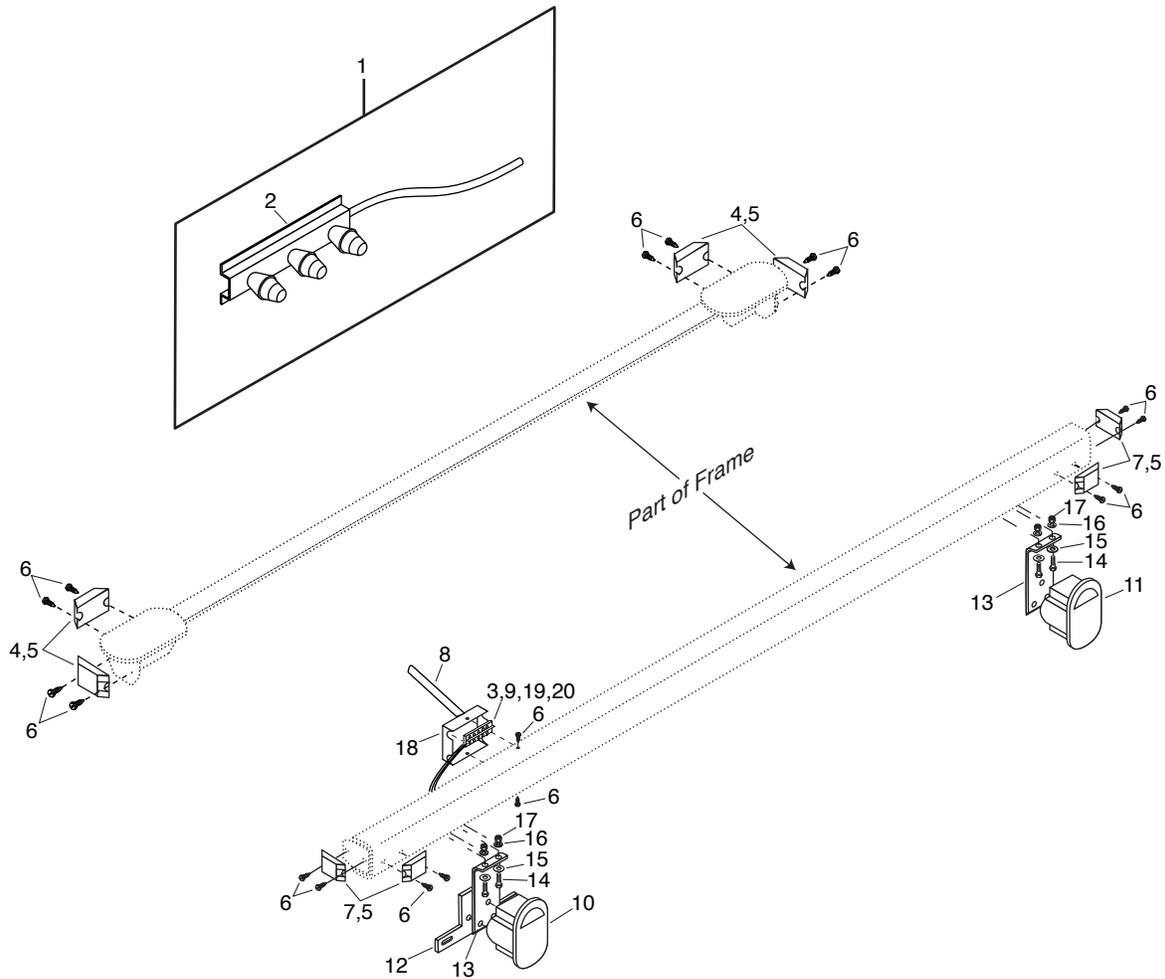
Jack And Dual Wheel Caster



ACCESSORIES

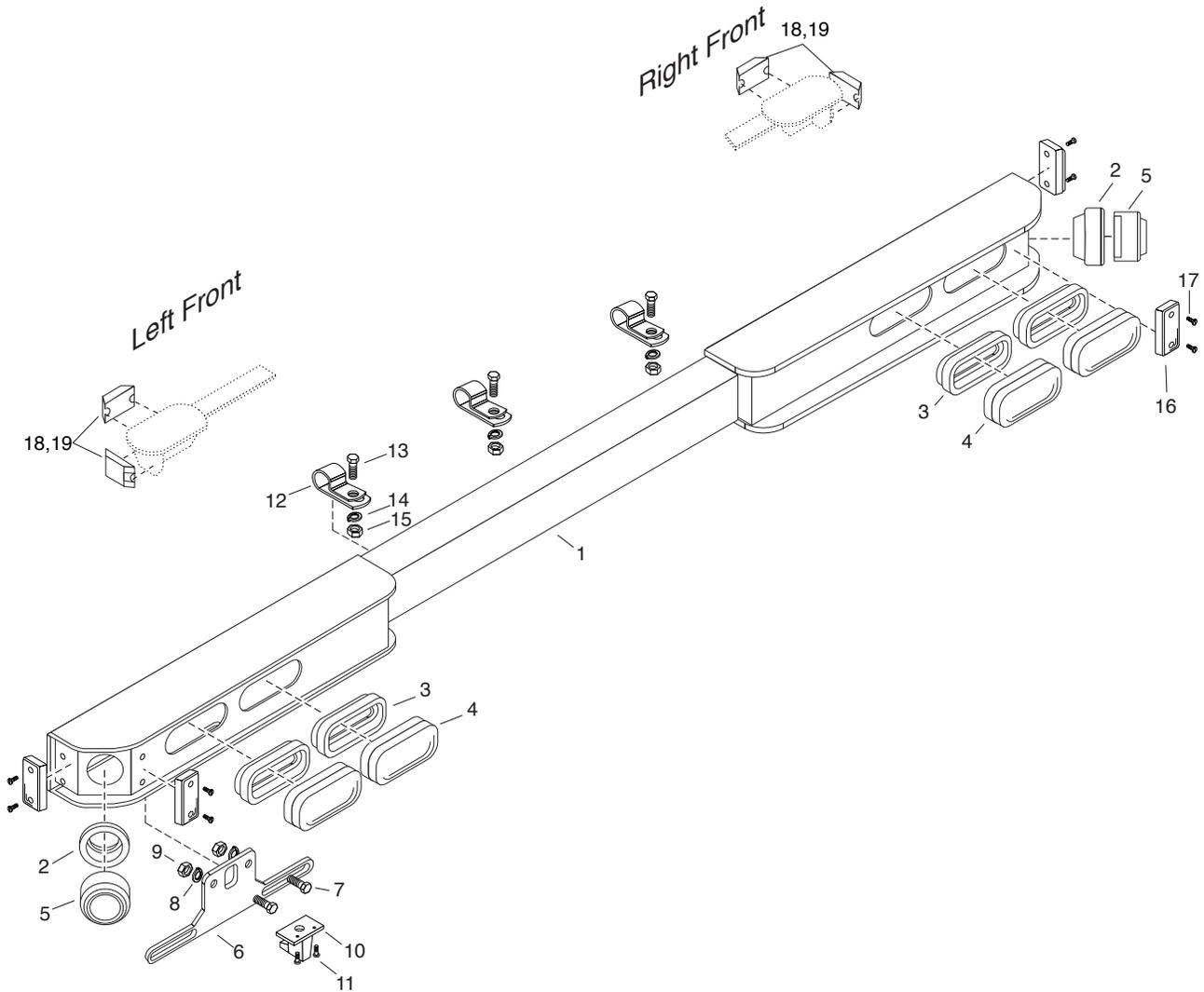
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6450560	1	A-Frame Jack 125-80391 5000 LB.				
2	7205021	1	Kit-Handle Replacement, Jack				
3	7205022	1	Bearing-Thrust, Jack				
4	7205023	1	Sleeve-Felt, Brg Thrust, Jack				
5	7205024	1	Washer-Thrust				
6	2610540	1	Plate-Mounting, Lower, Caster Wheel				
7	0122433	4	Screw-Hex, 0.50NC x 1.50, GR2, PD				
8	0120384	4	Washer-Lock, 0.50, Spring, PD				
9	0120378	4	Nut-Hex, 0.50NC, PD				
10	6450564	1	Caster-Dual Wheel				

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	18	Screw-Tap, PNSL, 10NF x 0.50, PD	19	6700306	1	Strip-Terminal, 10 Bar
7	6700854	4	Light-Clear, W/Reflect Red	20	0132646	2	Screw-Mach, Rdsl, 4NC x 0.50, PD
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	2610576	1	Brkt-License Plate Mtg.				
13	3370159	2	Bracket-Light Mtg. Econo Bumper				

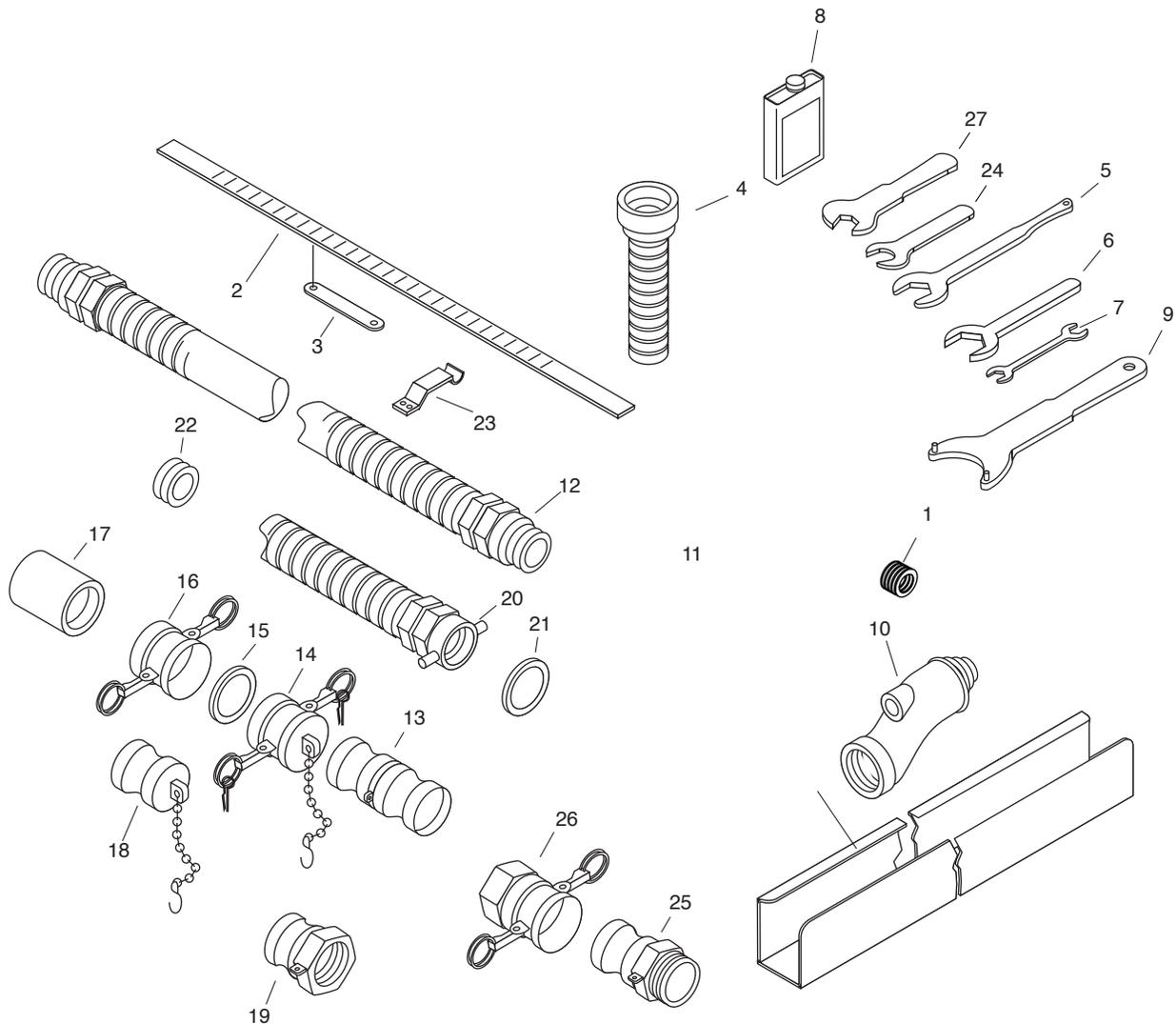
Optional LED Lights And Bumper Assembly



ACCESSORIES

REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	2610909	1	Bumper Weldment-LED 4 Light				HARDWARE NOT SHOWN
2	6702151	2	Grommet-Mounting, 2" Lamp, Open Back				
3	Q475295	4	Grommet-Oval				
4	6703809	4	Light-Oval, LED, S/T/T	20	6702106	2	Block-Term, 8 Post, Trk-Lt (NS)
5	6703811	2	Light-C/M, LED, 2" Round, Red	21	0436737	2	Screw-Mach, PNSL, 10NC x 1.25, PD (NS)
6	6704100	1	License Plate Bracket	22	0120391	2	Washer-Flat, 10A (0.22 x 0.50), PD (NS)
7	0120228	2	Screw-Hex, 0.31"NC x 0.63", Gr2, PD	23	0120217	4	Washer-Lock, No 10, Spring, PD (NS)
8	0120214	2	Washer-Lock, 0.31", Spring, PD	24	Q478480	3	Fitting-Compress, 0.50" ID (NS)
9	0120376	2	Nut-Hex, 0.31"NC, PD	25	6702107	4	Nut-Jam, Compress Fitting (NS)
10	6703815	1	Light Kit-License	26	6702141	1	Plug-Filler (NS)
11	0436734	2	Screw-Mach, PNSL, 10NC x 0.75, PD	27	6703814	3	Harness-LED, Marker (NS)
12	6000057	3	Clamp-0.50"	28	6703658	4	Harness-LED, S/T/T (NS)
13	0180020	3	Screw-Hex, 0.25"NC x 0.75", Gr5, PD	29	6700146	10	Term-Ring, #10, 16-14AWG (NS)
14	0120380	3	Washer-Lock, 0.25", Spring, PD	30	3370521	1	Harness-Lights, 6Wire (NS)
15	0120375	3	Nut-Hex, 0.25"NC, PD				6700110 Cable-84" Lg, Stripped 6" Ea. End
16	6703813	4	Reflector-Red Rectangular	31	3370522	1	Harness-JBox to Bumper (NS)
17	0447839	8	Screw-Tap, PNSL, 10NF x 0.75, F, PD				6700110 Cable-102" Lg, Stripped 6" Ea. End
18	6704434	4	Armored Light Mount-LED Side Clear.				(NS) = Not Shown
19	6704433	4	Light-Amber LED Side Clearance				

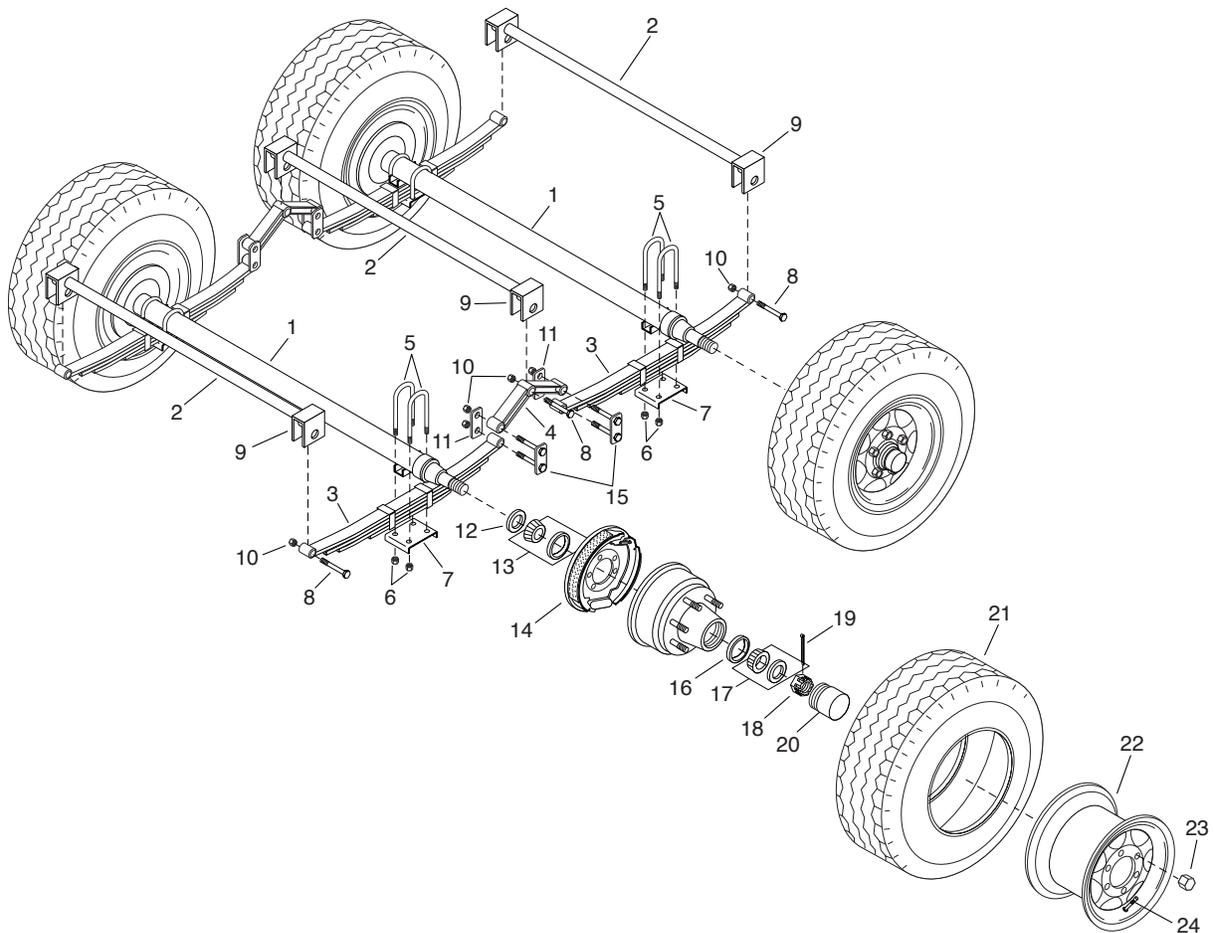
Miscellaneous Attachments And Tools



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
	*****		Call with Unit Serial Number	14	6600281	1	Dust Cap, 3", Alum W/Chain
	Measuring Stick (2 Flue)				6600250	1	Dust Cap, 3", Brass
	*****		Call with Unit Serial Number	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	6600265	1	Hose Asm-3", T&A x 15' M/F Cplg
7	6000376	1	Armstrong Wrench		7400004	1	Hose-3", Tiger, W/Male Nipples BE
8	7220056	1	Anti-Foam Concentrate, 1 Pint	21	6600267	2	Gasket-3.50 x 2.88 x 0.13, ASB
9	3380848	1	Wrench-Spanner	22	7220028	1	Cord-Norfab, 0.6"
10	3340040	1	3" Connector	23	3310040	2	Bracket-Measuring Stick
11	3380790	1	Hose Trough (Specify Unit Number)	24	3381752	1	Wrench-Open End, 1.63", VWSB
12	6601926	1	Hose Asm-3.00 x 15 Ft.	25	6001011	1	Adapter-3", Evertite
	6602576	1	Hose Asm-3.00 x 12 Ft.	26	6001012	1	Coupler-3", Evertite
	7400004	1	Hose-3", Tiger, w/Male Nipp BE,Rub	27	3380442	1	Wrench-Open End, 1.5", SAM
	6600443	1	Hose Asm-3 In X 20 Ft, M/M				

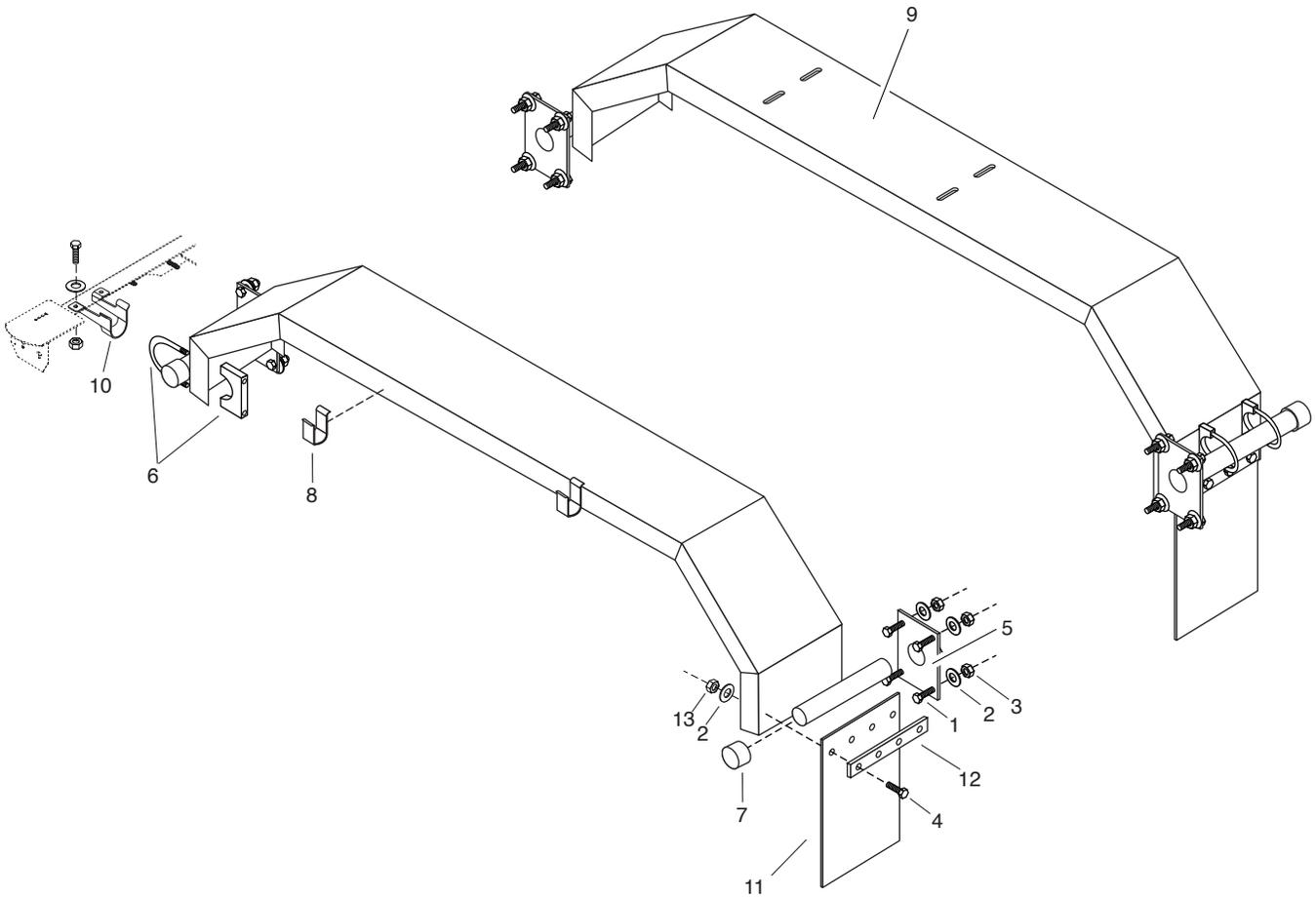
ACCESSORIES

Axle Assembly



REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	6451261	2	Axle-Dexter Model 70, 62" Track	16	7050073	4	2.25" Grease Seal
2	2610709	3	Stablizer-Axle, Frt, RR & Ctr	17	7050074	4	LM67010 Outer Brg Cup (Mdl 52)
3	7050078	4	Spring, Double Eye 26E-3000 5 Leaf		7620040	4	15245 Outer Brg Cup (Mdl 60)
4	7050082	2	Equalizer, Bushed DE			4	15123 Outer Brg Cone (Mdl 60)
5	7620041	8	U Bolt 1/2-20, 663 Lg.	18	7050075	4	Spindle Nut
6	7620046	8	U Bolt Nut	19	7050085	4	Cotter Pin
7	7050079	4	Tie Plate, 3.00 Tube, 1.75 Spr, 0.25" Thk	20	7620171	4	Grease Cap
8	7050081	6	Bolt, Shackle Shoulder 9/16	21	6451084	4	Tire LT235/85R16 (E)
9	6451086	6	Hanger Parts H-252	22	6450778	4	Wheel-Disc, 16 x 6k, 6/5.5 B.
10	7050080	14	Nut, Flange Lock 7/16-20 GR G	23	7050086	24	Wheel Nuts
11	7050083	4	Shackle Link Short	24	6450398	4	Stem-Valve, Tubless Tire
12	7050076	4	Spindle Washer				
13	7620039	4	25580 Inner Bearing Cone				
	7620039	4	25520 Inner Bearing Cup				
14	7050077	2	Brake 12 x 2 6k DXQ Elect., LH				
	7050034	2	Brake 12 x 2 6k DXQ Elect., RH				
15	7050084	4	Shackle Link Asm-Short				

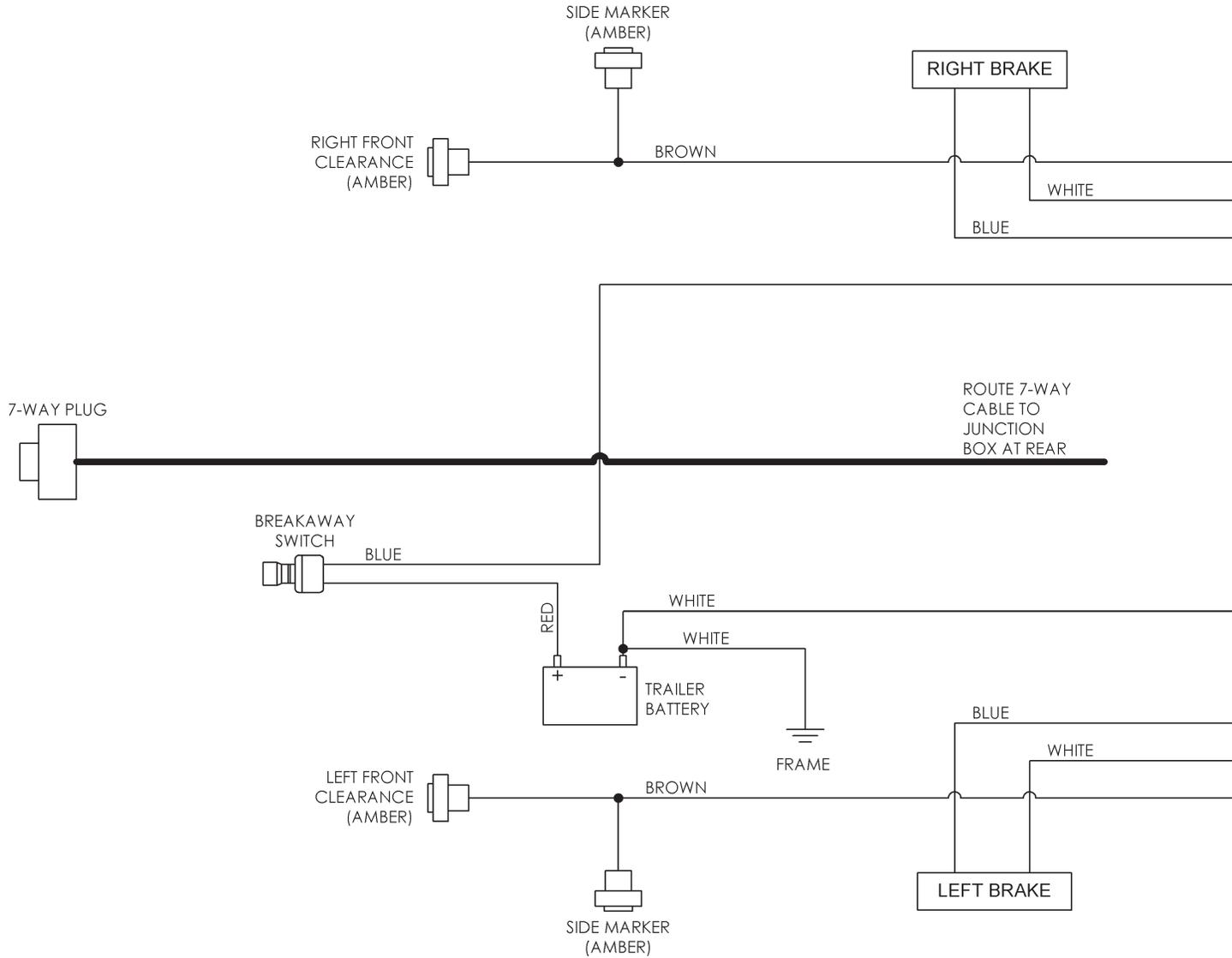
Fender Assembly



WHEEL COVERS

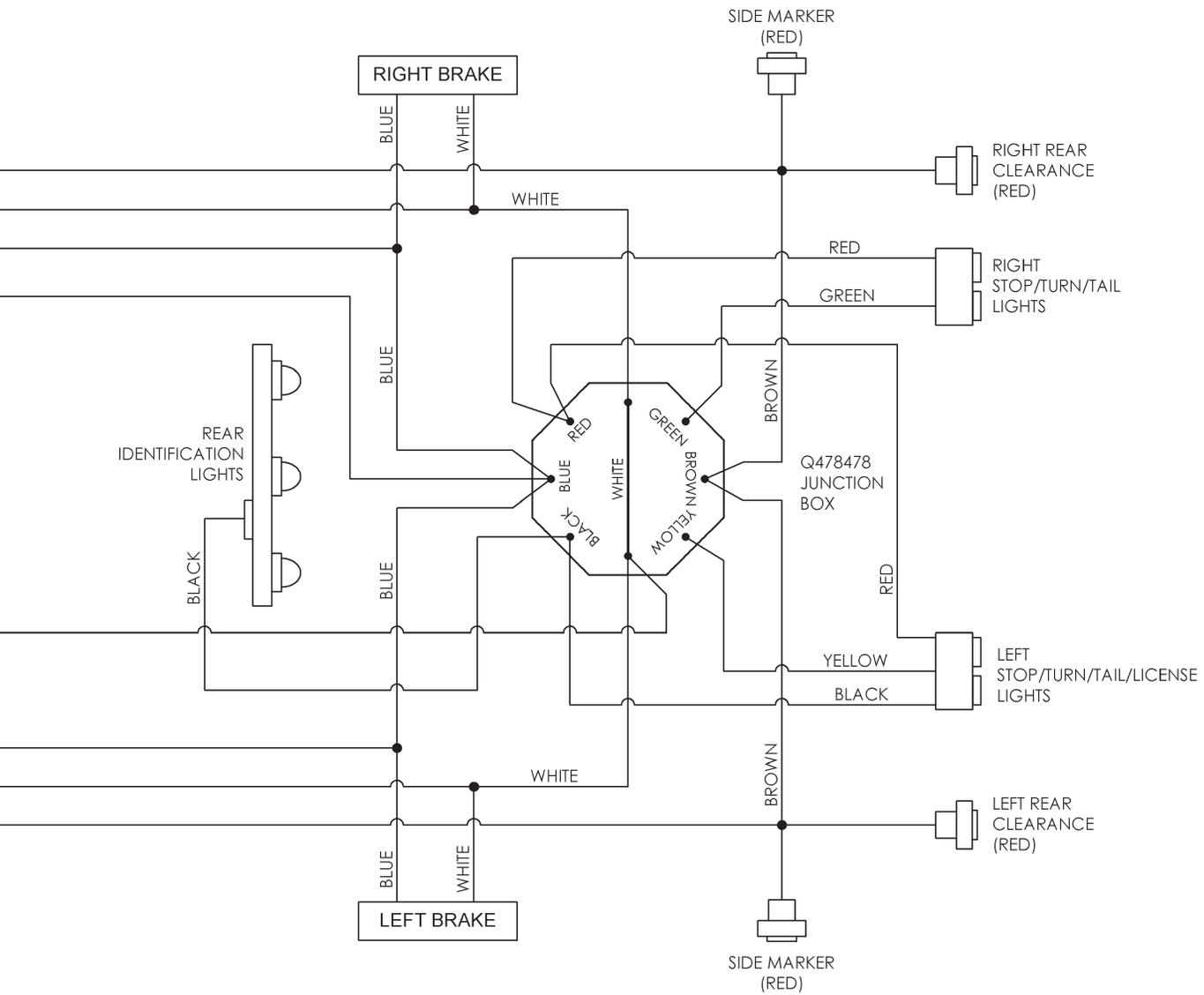
REF	PART NO.	QTY	DESCRIPTION	REF	PART NO.	QTY	DESCRIPTION
1	0180124	16	Capscrew, Gr5, 0.375"UNC x 1.25" Lg				
2	0446363	24	Washer-Flat, SAE Std, 0.313"				
3	0274993	18	Nut-Hex, Lock, 0.375"NC, PD				
4	01800121	2	Capscrew, Gr5, 0.375"UNC x 0.88" Lg				
5	2680825	4	Bracket Weldment-Fender Support				
6	6001482	8	Clamp-Muffler, 1.50"				
7	6000689	4	Cap-Vinyl Plastisol, Black #89				
8	2680831	1	Fender RS-M.U. w/ Spraybar Hooks				
9	2680841	1	Fender-Smooth, CS				
10	2680843	1	Hook-1" Hose, Bolt On				
11	2680849	2	Mud Flap-M.U.				
12	2680850	2	Bar-Mudflap, Backup				
13	0120376	8	Nut-Hex, 0.31"NC, PD				

Wiring Diagram - 9306247 Lights & Brakes



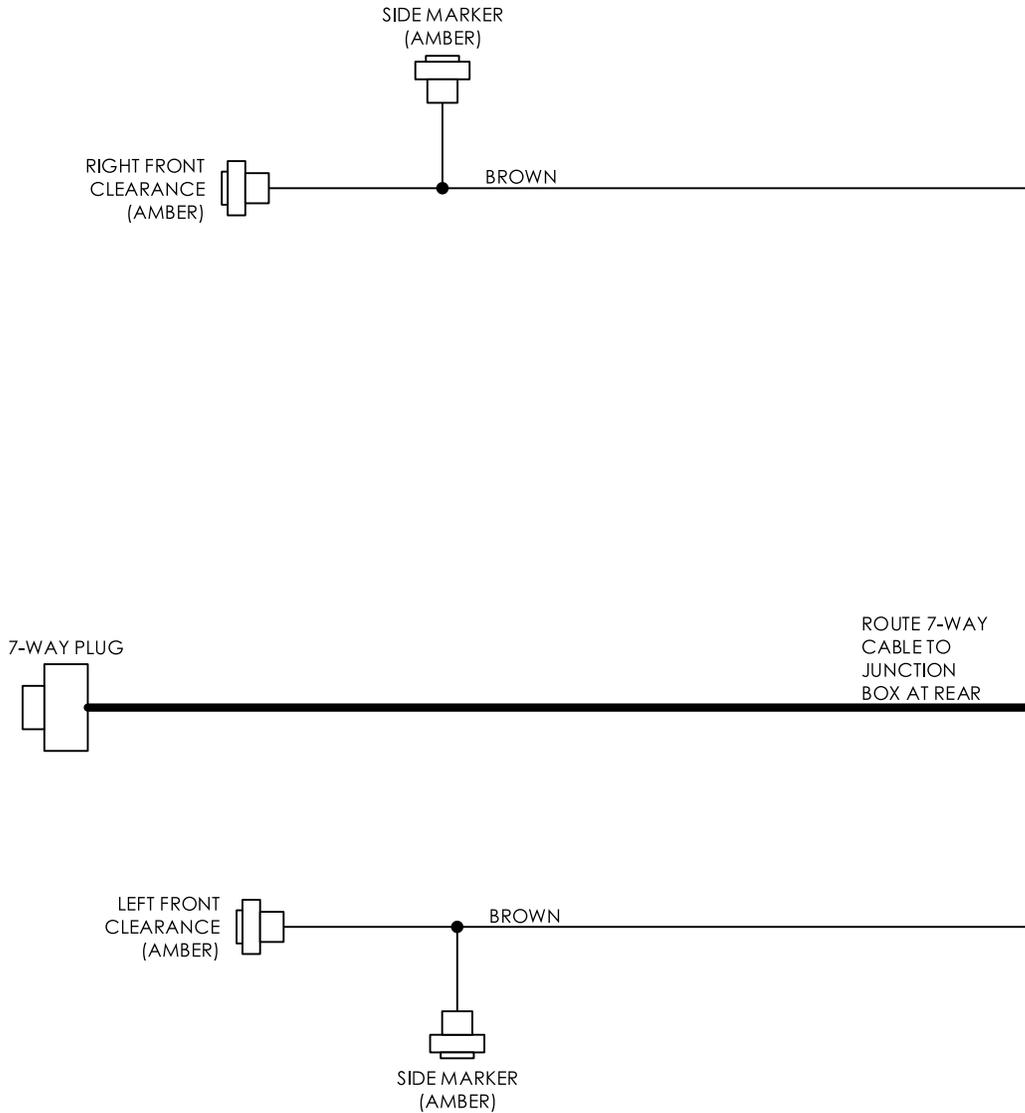
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|--------|-----------------------|
| WHITE | GROUND |
| BLACK | I.D./LICENSE |
| YELLOW | LEFT TURN LIGHT |
| RED | STOP LIGHTS |
| GREEN | RIGHT TURN LIGHT |
| BROWN | TAIL/CLEARANCE LIGHTS |
| BLUE | BRAKES |

Wiring Diagram - 9306247 Lights & Brakes



LED Wiring Diagram - Trailer

9306340
Optional Equipment

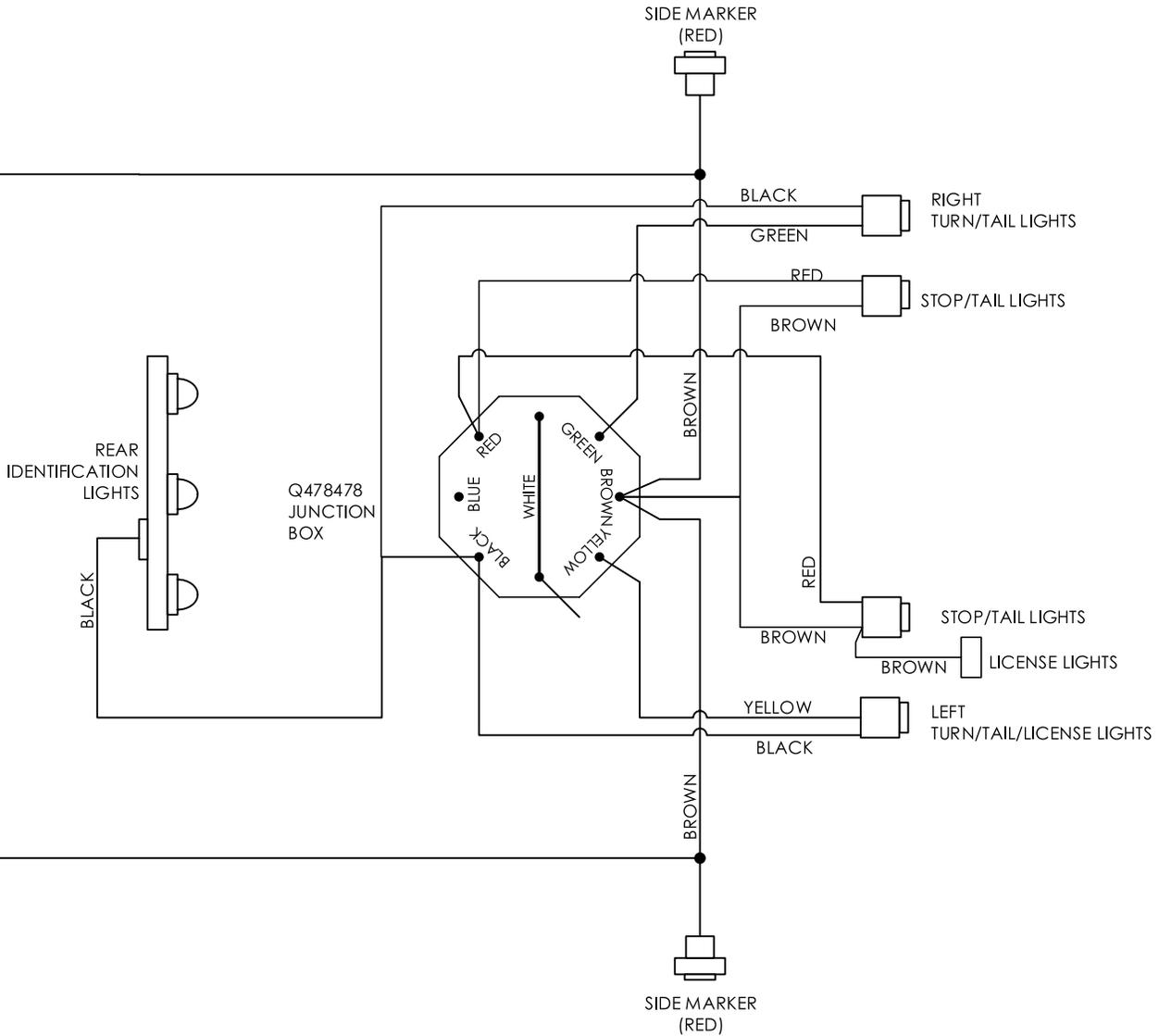


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| YELLOW | LEFT TURN LIGHT |
| RED | STOP LIGHTS |
| GREEN | RIGHT TURN LIGHT |
| BROWN | TAIL/CLEARANCE LIGHTS |
| BLUE | BRAKES |

LED Wiring Diagram - Trailer

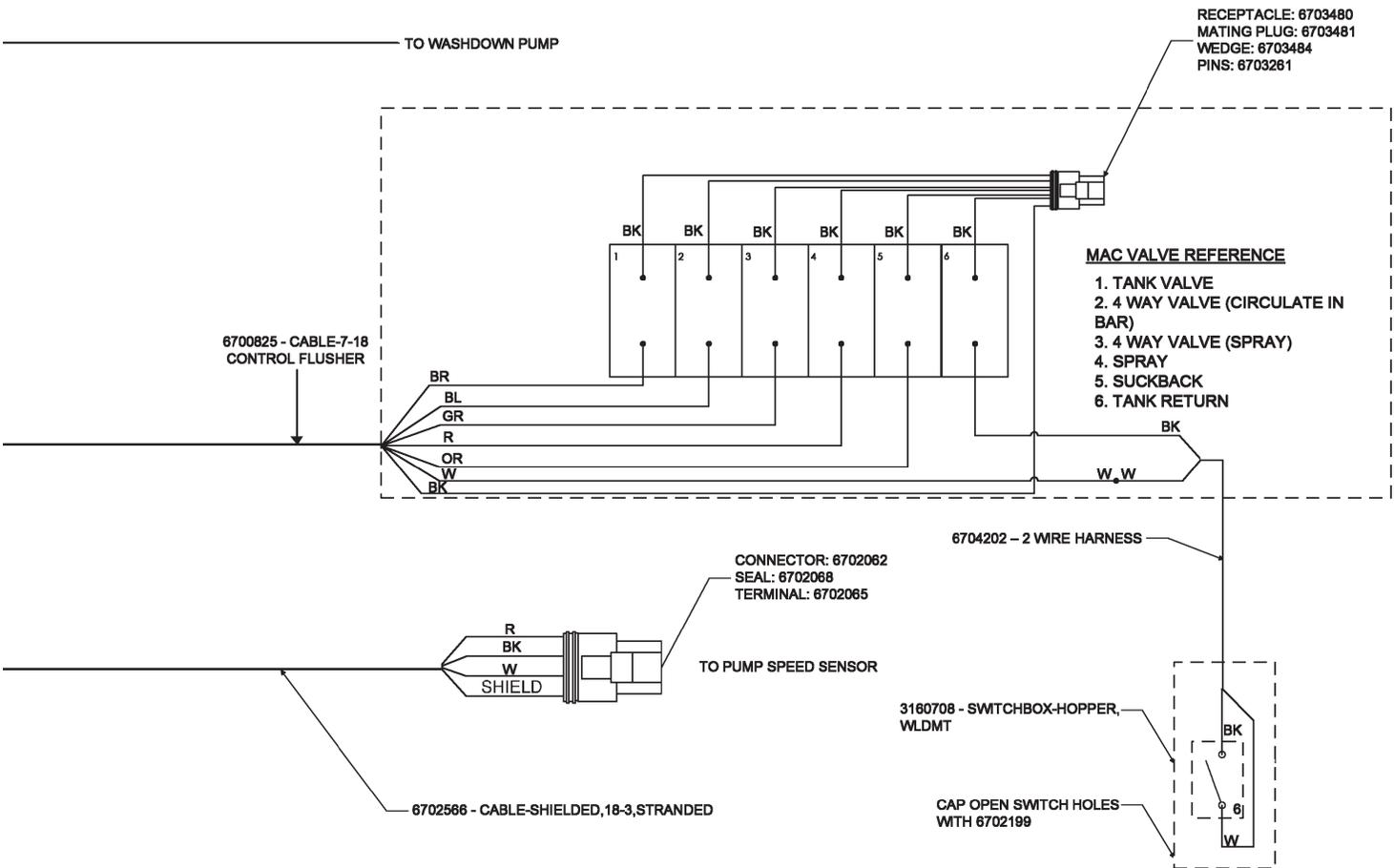
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Optional Equipment



Electrical Controls - Schematic

9306243



Fuel Oil Burner Wiring - Wayne - 9305456

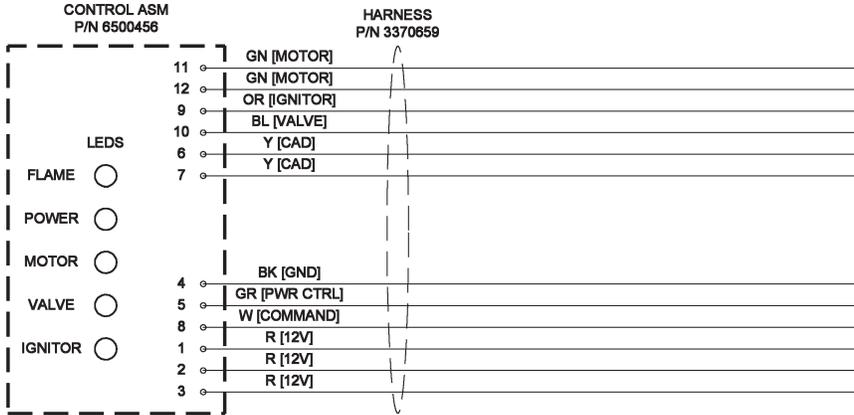
ORDER OF LEDS

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



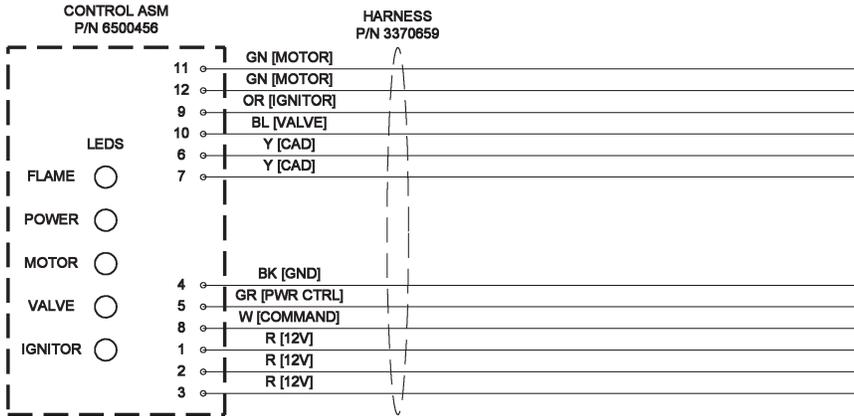
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 IGNITOR (GREEN) = ON WHEN IGNITOR OUTPUT ON

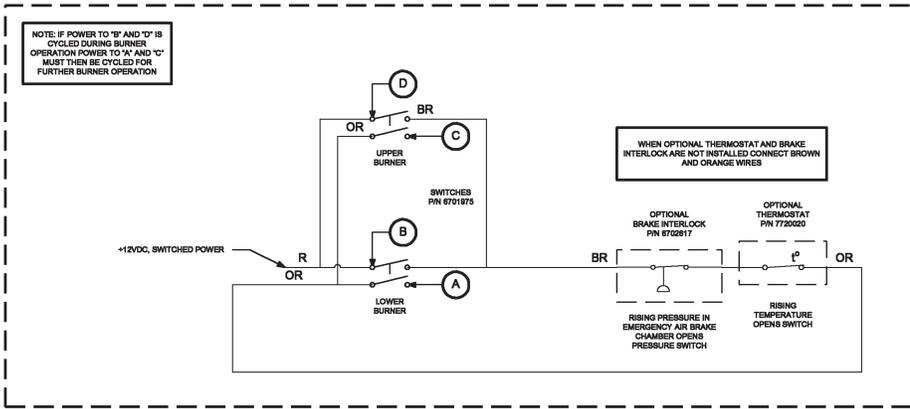
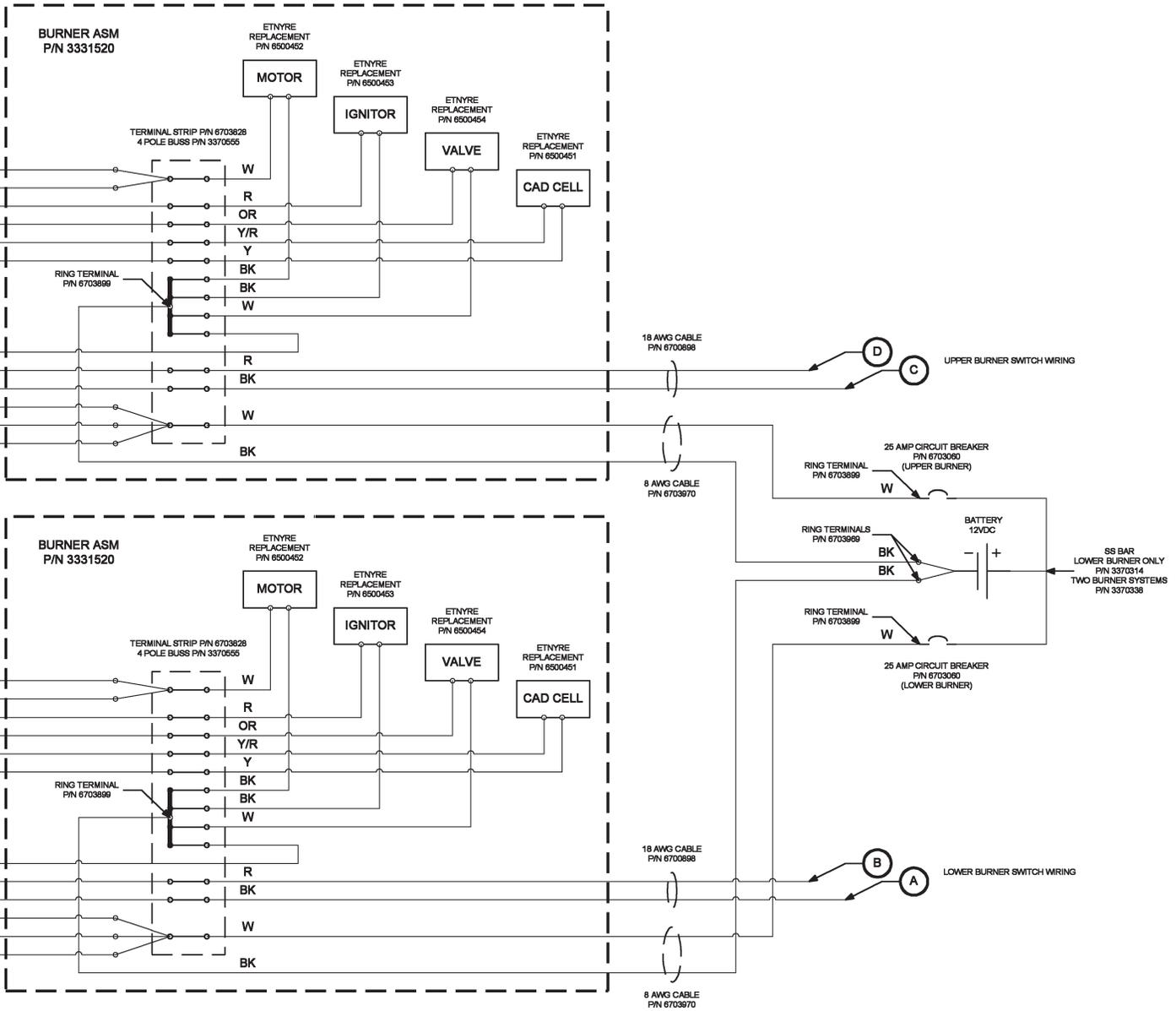
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FAULTS CLEARED WITH COMMAND INPUT



Fuel Oil Burner Wiring - Wayne - 9305456



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

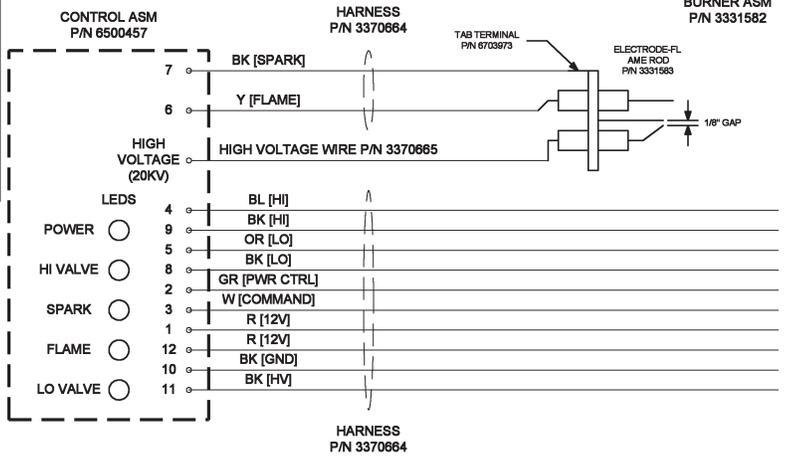
FAULT FLASH PATTERNS OF RED LED (¼ SECOND FLASH, 2 SECOND PAUSE BETWEEN FAULTS)

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



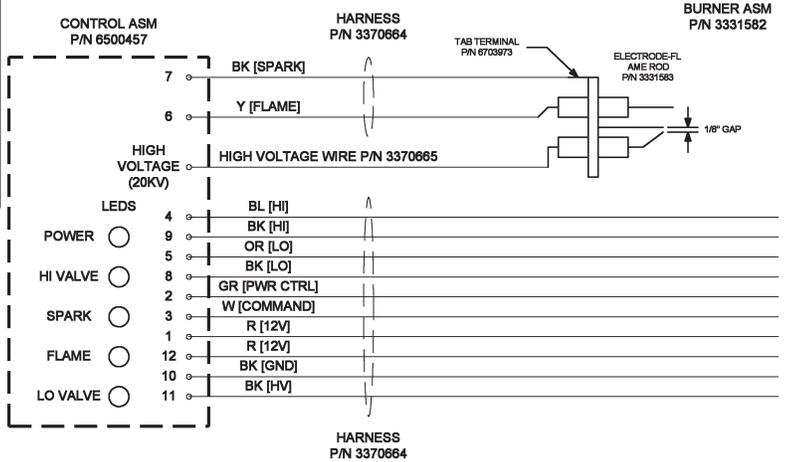
ORDER OF LEDS

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 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

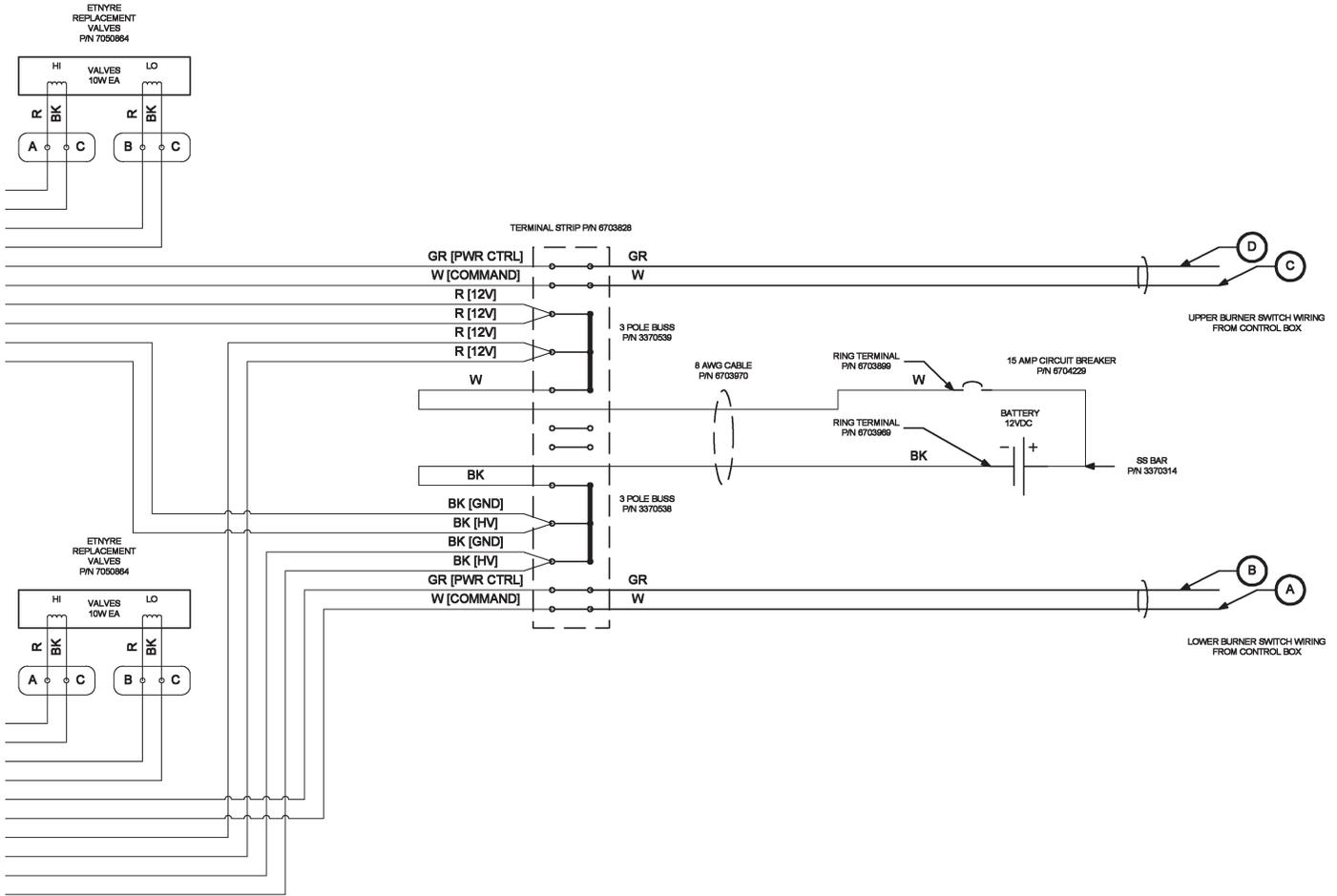
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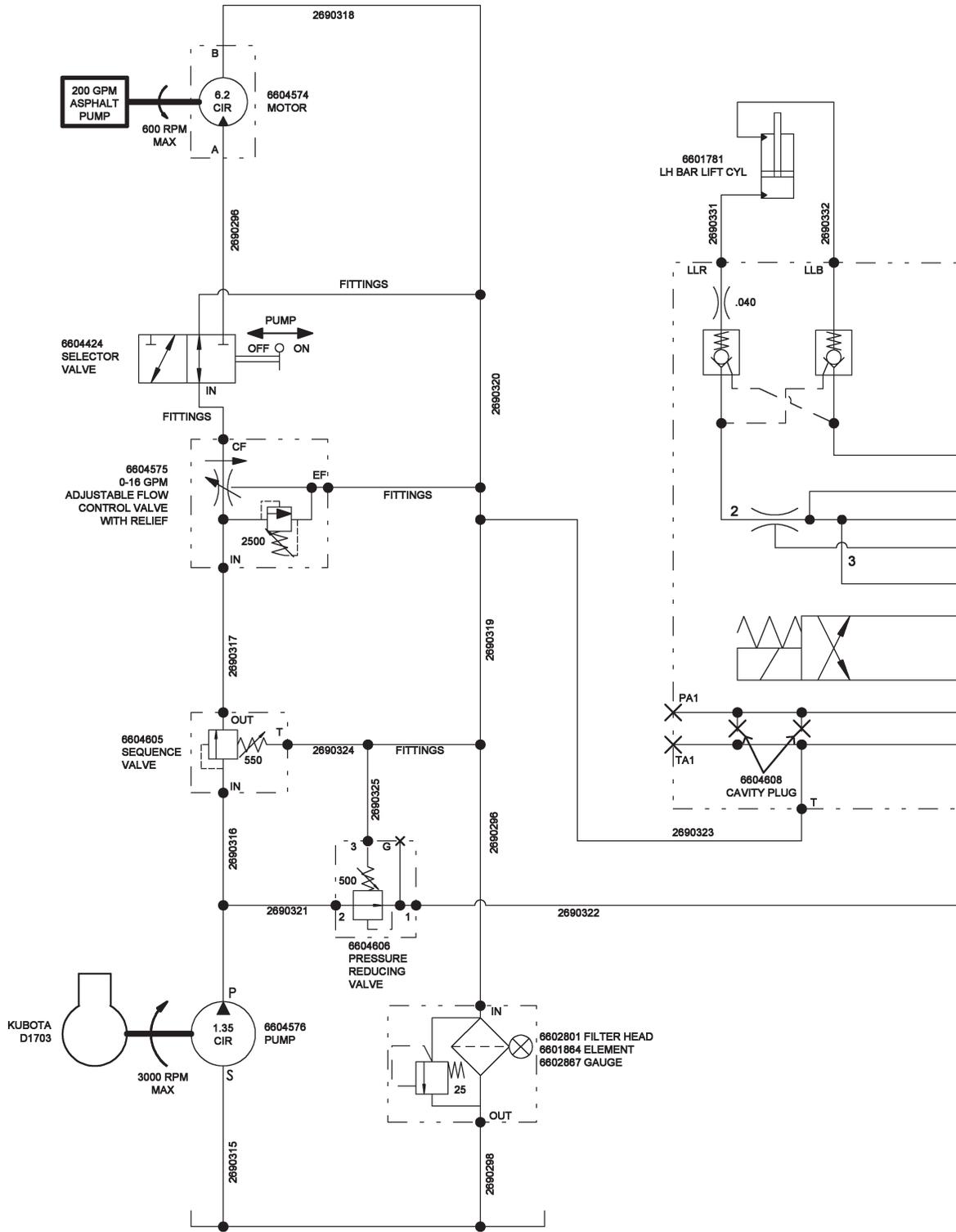
FAULTS CLEARED WITH COMMAND INPUT



LP Burner Wiring - 9306309

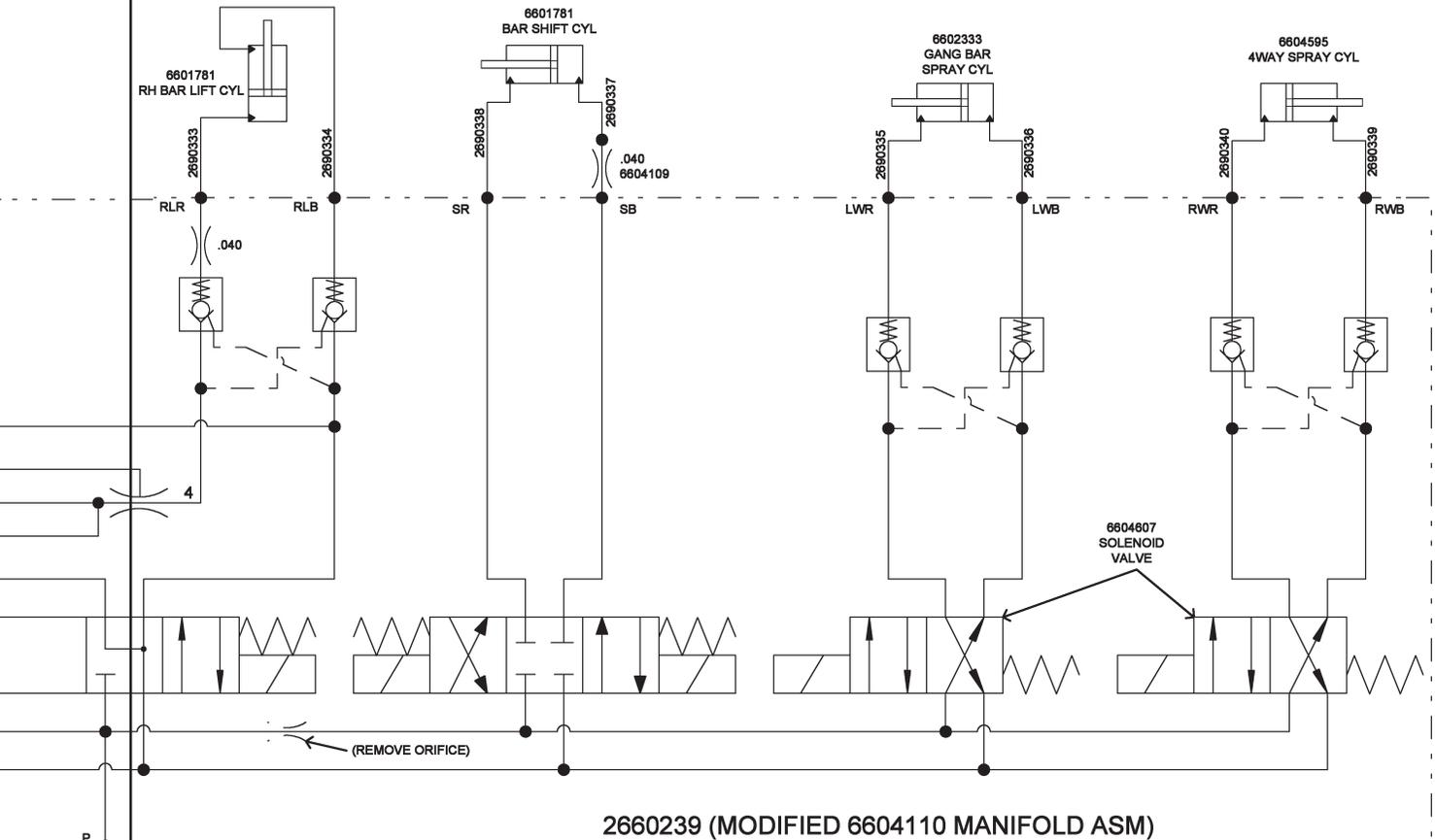


Lift, Shift and Spray Hydraulic Schematic Kubota Diesel Engine



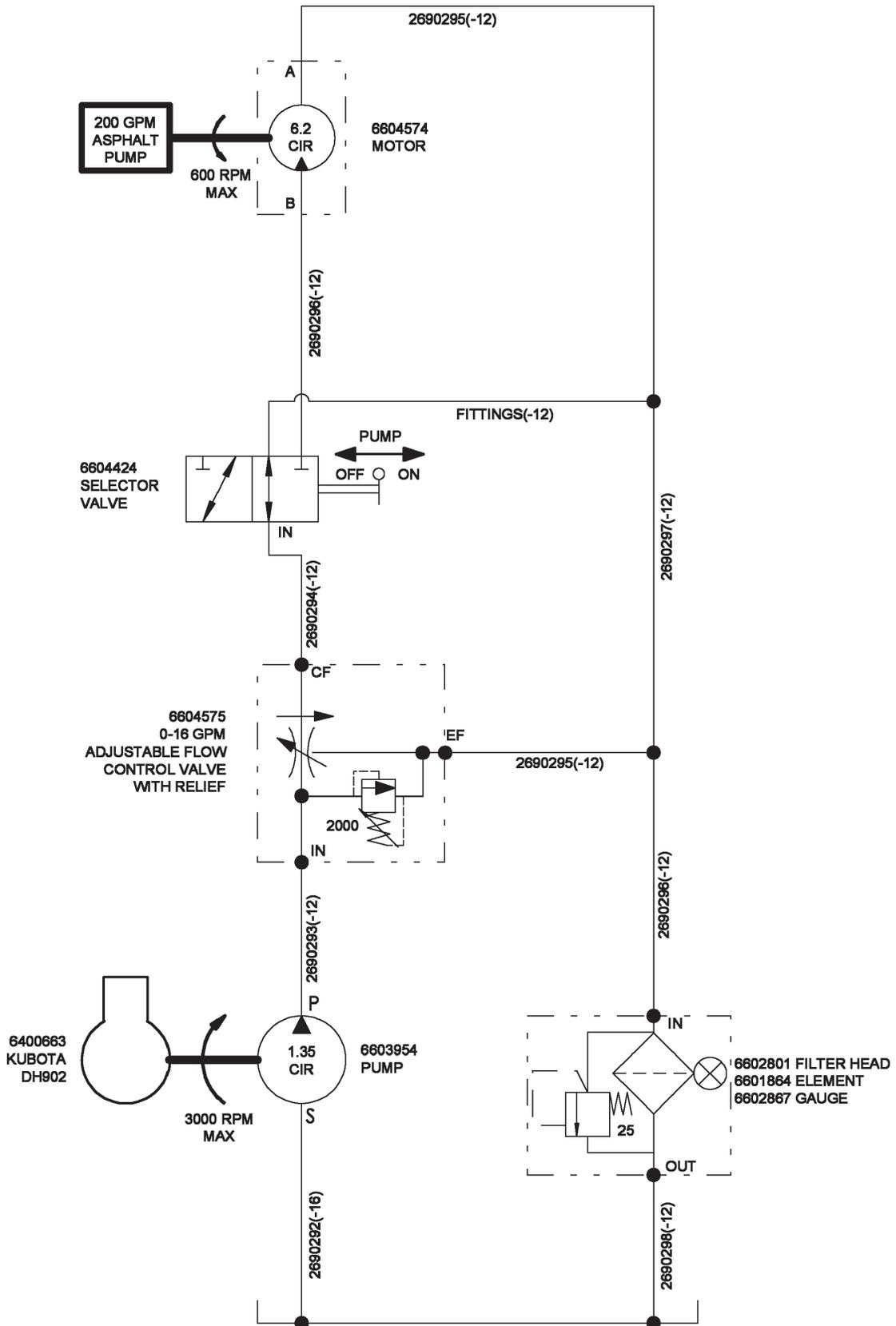
HYDRAULIC SCHEMATICS

Lift, Shift and Spray Hydraulic Schematic Kubota Diesel Engine



HYDRAULIC SCHEMATICS

Kubota Diesel, Pump Hydraulics



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