



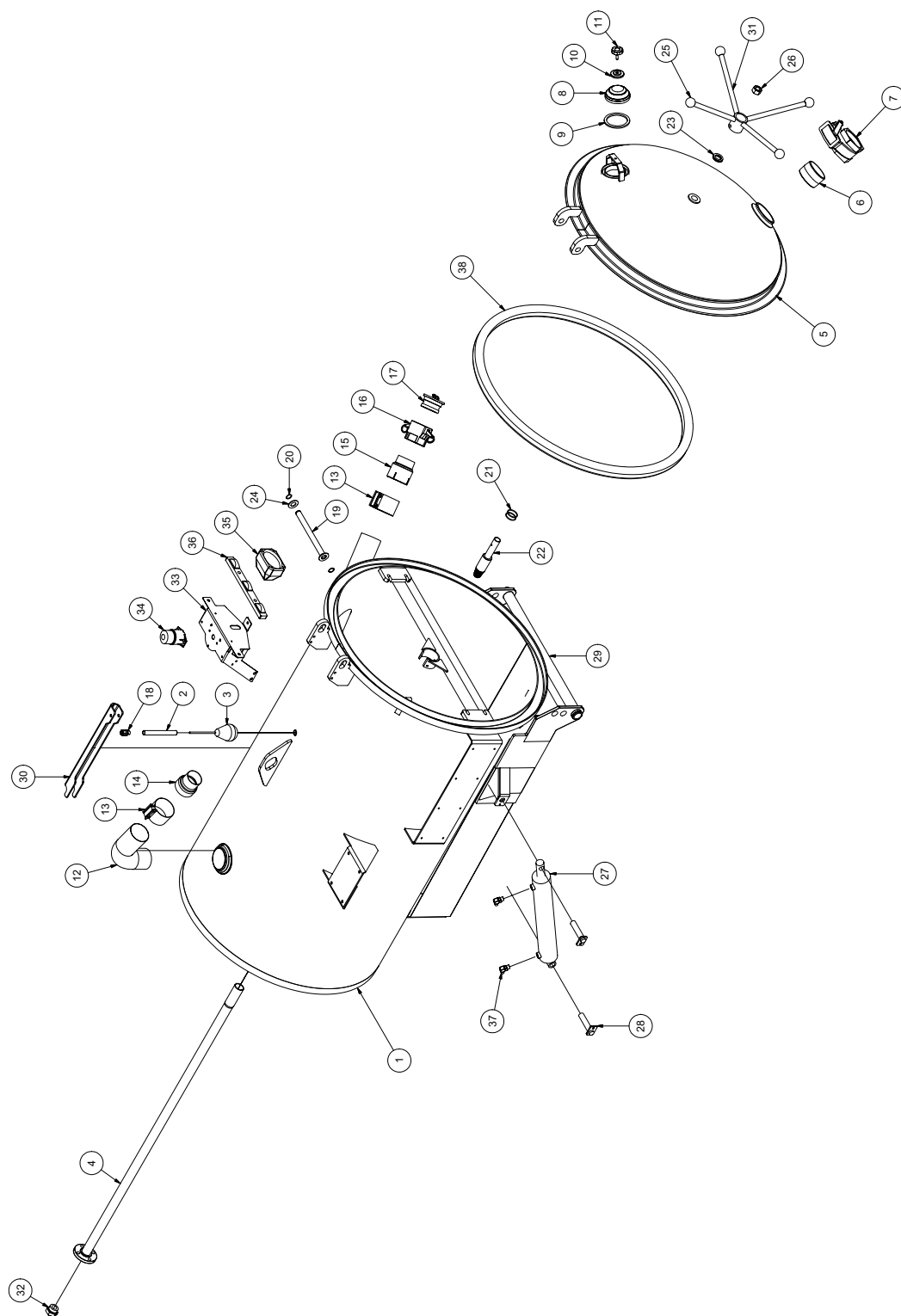
McLAUGHLIN®

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Parts Manual
Vermeer/ McLaughlin SKID V500/800/1200
Vacuum Machine
Serial # Ending 111309 - S8S033011402
Part #E850604

Tank and Door Assembly

V500



022309

VACASSY002

Tank and Door Assembly

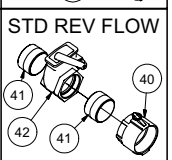
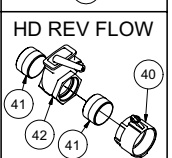
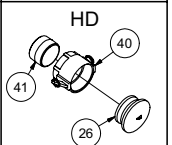
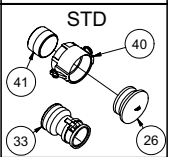
V500

ITEM	QTY	PART #	DESCRIPTION
1	1	8040821	TANK - 500 (42" DIA)
2	1	8040769	FLOAT SWITCH TUBE V500/500HD
	1	8041291	BUSHING, RUBBER
*	1	8041471	FLOAT TUBE V500LT/V500LTHD
3	1	8043913	HIGH LEVEL FLOAT SWITCH ASSY
4	1	8043209	TANK ROD - (500) MANUAL DOOR
	1	8030446	O-RING #328 BUNA
	4	U000880	SCREW, HC 1/2-13 X 2.00
	4	U100120	NUT, HEX 1/2-13
	8	U200100	WASHER, FLAT 1/2"
	3	U010055	SCREW, HSH 5/16-18 X 1.50
	3	8030369	TANK CLEANOUT NOZZLES
5	1	8040843	DOOR - 500 (42" DIA)
6	1	8030431	4" CLOSE NIPPLE
7	1	8030916	4" GATE VALVE
	1	8031116	GATE VALVE HANDLE
8	1	8031048	SIGHT GLASS
9	1	8032007	GASKET, 4" COUPLER
10	1	8031047	SIGHT GLASS PLATE
11	1	8031046	SIGHT GLASS HAND WHEEL
12	1	8040786	EXHAUST ELBOW 4"
13	2	8030400	4" BAND CLAMP
14	1	8040791	EXHAUST, TUBE 4"ID-3"OD REDUCER
15	1	8031044	ADAPTER 3"MNPT 4"ID
16	1	8030392	3" FEMALE COUPLER
	1	8031042	GASKET, 3" FLAT BANJO
17	1	8030393	3" COUPLING PLUG
	1	8041485	LANYARD CABLE
18	1	X000113	STRAIN RELIEF, 1/2"
19	1	8040058	DOOR HINGE ROD
20	2	8030362	1" SNAP RING
21	2	W200120	ORING 1-7/8 X 2-1/8 X 1/8 (225)
22	1	8040306	QL DOOR STRIKER
23	3	8030174	WASHER, DOOR HOLDER Q.L.
24	2	U200171	WASHER, FLAT 1" SAE
25	4	J400060	1 7/8" KNOB
26	1	U120060	NUT, LOCK NY 1" - 8
27	2	8030359	SPOIL TANK HYDRAULIC CYLINDER
	2	8042948	TANK CYL BASE END HOSE 6-36 ST-ST
	2	8041521	TANK CYL ROD END HOSE 6-55 ST-ST
	2	8042923	HYD PUMP SUPPLY/RETURN HOSE 6-46 ST-90
	2	T402154	TEE, 3/8" MJ - 3/8" MJ - 3/8" MJ
28	4	8030128	CYLINDER PIN
	4	U000400	SCREW, HC 3/8-16 X 0.75
	4	U210060	WASHER, LOCK 3/8"
29	1	8044970	TANK PIVOT ROD
	2	U200100	WASHER, FLAT
	2	U100120	NUT, HEX 1/2-13
30	1	8041212	TANK SAFETY BRACE
	1	8041213	CLIP, SAFETY
31	1	8040235	DOOR HANDLE, 250-1200
	2	U010040	SCREW, HSH .312-18 X .50
32	1	T400261	REDUCER #16 MSAE - #6 MJ

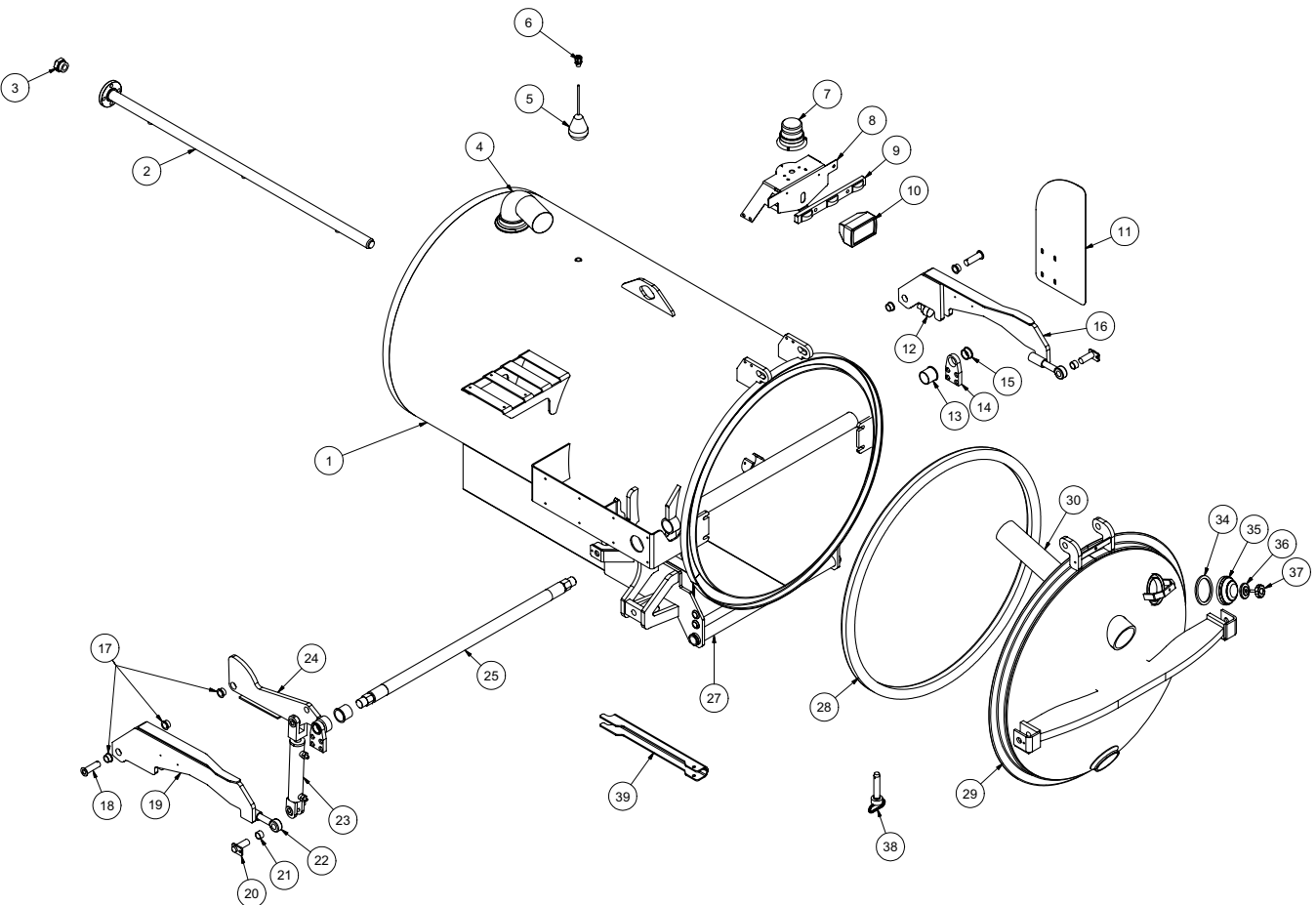
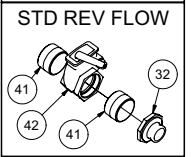
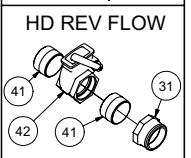
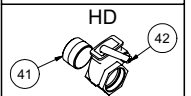
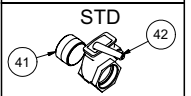
Hydraulic Door Option

V500

INLET FITTINGS



OUTLET FITTINGS



100410-E

VACASSY016

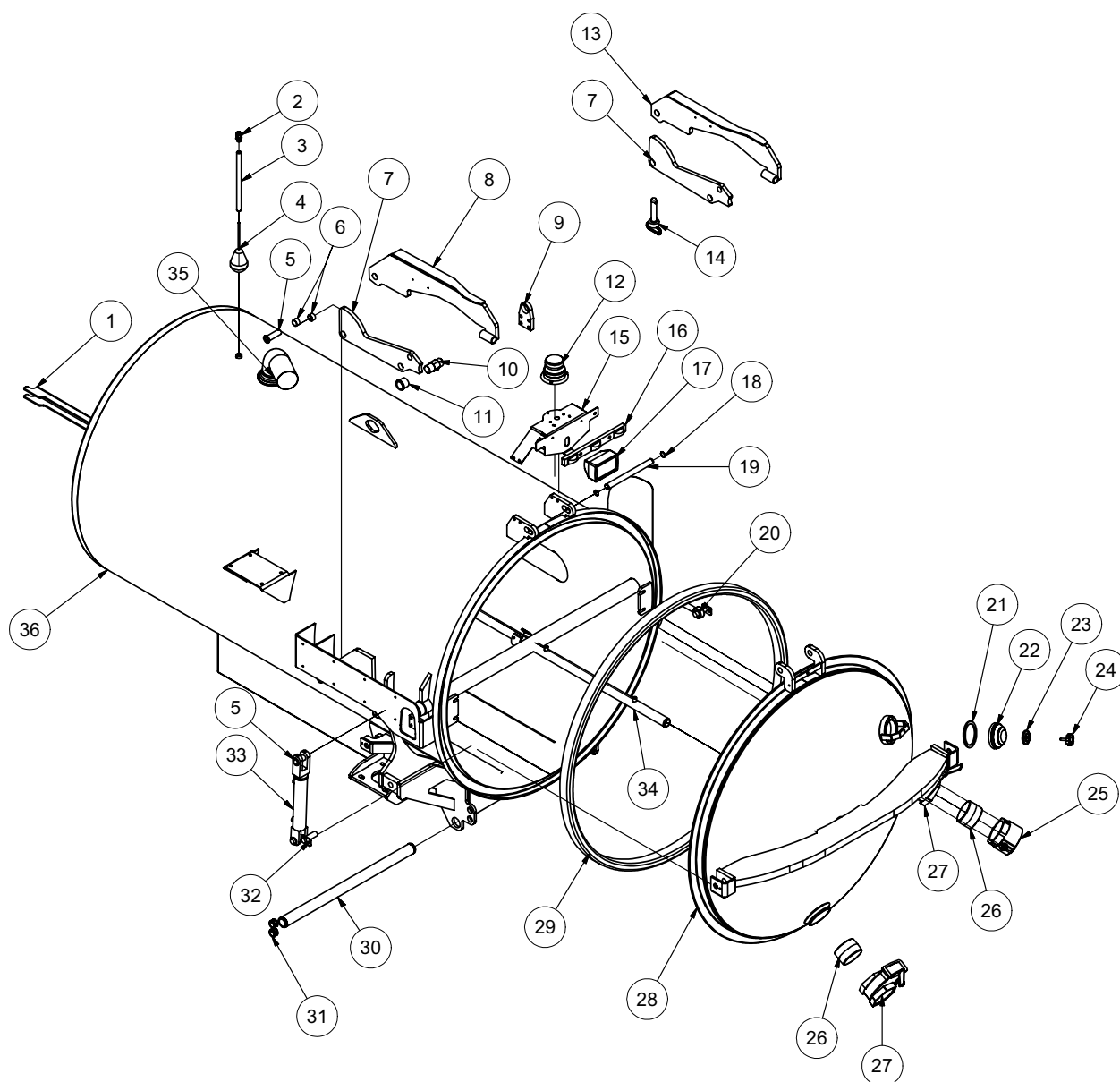
Hydraulic Door Option

V500

ITEM	QTY	NUMBER	DESCRIPTION	ITEM	QTY	NUMBER	DESCRIPTION
1	1	8041292	TANK	20	2	8042171	DOORARM PIN
2	1	8043166	TANK ROD		2	U000400	SCREW, HC 3/8-16 X 0.75
	1	8030446	O-RING #328 BUNA		2	U210060	WASHER, LOCK 3/8"
	4	U000880	SCREW, HC 1/2"-13 X 2"	21	2	8041524	BUSHING 1"
	4	U100120	NUT, HEX 1/2"-13	22	2	8043131	1" ROD END
	8	U200100	WASHER, FLAT 1/2"		12	U200171	WASHER, FLAT 1" SAE
	3	U010055	SCREW, HSH 5/16-18 X 1 1/2"	23	2	8041327	DOOR LOCK CYLINDERS
	3	8030369	TANK CLEANOUT NOZZLES		4	T400611	REDUCER 1/2"MSAE - 1/4"MJIC
3	1	T400261	REDUCER 1"MSAE - 3/8"MJIC		2	8042928	DOOR CYL BASE END HOSE 4-38 ST-ST
4	1	8040786	EXHAUST ELBOW		2	8043304	DOOR CYL ROD END HOSE 4-47 ST-ST
5	1	8030531	HIGH LEVEL FLOAT SWITCH		2	8040970	DOOR CYL SUPPLY/RET HOSE 4-70 ST-ST
	1	8041291	RUBBER BUSHING		2	T400022	REDUCER 6FJ - 4 MJ
	1	8041471	FLOAT TUBE V500LT/V500LTHD		2	T402035	TEE 4MJ - 4MJ 4MJ
6	1	X000113	1/2" STRAIN RELIEF	24	2	8041604	SHORT LINKAGE
7	1	8043139	STROBE LIGHT	25	1	8041607	LINKAGE CROSS TUBE
8	1	8046507	STROBE LIGHT BRACKET	26	-	8032006	4" PLUG
	1	X200003	WIRE HARNESS, VAC TANK	27	1	8042648	TANK PIVOT ROD
	1	X200100	WIRE HARNESS, VAC TANK SO		2	8030363	2" SPIRAL SNAP RING
	4	U000880	SCREW, HC 1/2"-13 X 2"	28	1	8041765	DOOR SEAL
	4	U210100	WASHER, 1/2" LOCK	29	1	8042064	DOOR
	4	U200100	WASHER, 1/2" FLAT		1	8040058	DOOR HINGE ROD
	2	U010006	SCREW, PHILLIPS #10-24 X 1"		6	U200171	WASHER, FLAT 1" SAE
	4	U200000	WASHER, FLAT #10		2	U500020	1" SNAP RING
	2	U210005	WASHER, LOCK #10	30	1	8041661	INLET TUBE
	2	U100010	NUT, HEX #10-24	31	-	8030844	4" MALE COUPLER
9	1	8041509	TANK CLEARANCE LIGHT	32	-	8045611	4"FNPT X 3" MCAM COUPLER
	2	U010006	SCREW, PHILLIPS #10-24 X 1"	33	-	8041080	4" MCAM X 3" MCAM COUPLER
	4	U200000	WASHER, FLAT #10	34	1	8032007	SIGHT GLASS GASKET
	2	U210005	WASHER, LOCK #10	35	1	8031048	SIGHT GLASS
	2	U100010	NUT, HEX #10-24	36	1	8031047	SIGHT GLASS PLATE
10	1	8043138	WORK LIGHT DEUTSCH	37	1	8031046	SIGHT GLASS HAND WHEEL
11	1	8041635	HYD ARM GUARD	38	1	8041626	DOOR SAFETY PIN
	4	U000400	SCREW, HC 3/8-16 X 0.75		1	8041485	LANYARD CABLE
	4	U200060	WASHER, FLAT 3/8"	39	1	8041212	SAFETY BRACE
	4	U210060	WASHER, LOCK 3/8"		1	8041213	CLIP, SAFETY
12	2	W000020	CAM ROLLER 1 1/4"	40	-	8030846	4" FEMALE COUPLER
	2	U160019	1/2"-20 NY-LOCK NUT		-	8032007	4" COUPLER GASKET
13	2	8041602	2" FLANGED BUSHING	41	-	8030431	4" CLOSE NIPPLE
14	2	8041621	OUTER BEARING PLATE	42	-	8030916	GATE VALVE
	8	8042008	1-1/2" SHIMS		-	8031116	GATE VALVE HANDLE
	8	U000840	SCREW, HC 1/2"-13 X 1 1/2"				
	8	U210100	WASHER, 1/2" LOCK				
	8	U200100	WASHER, 1/2" FLAT				
15	2	8041724	1-1/2" FLANGED BUSHING				
16	1	8041369	LONG LINKAGE CURBSIDE				
	1	8041770	PLASTIC WEAR PLATE				
	2	U010800	SCREW, SFH 1/4"-20 X 3/4"				
17	6	8041883	1" BUSHING FLANGED				
18	6	8042489	HYD DOOR PIN				
	6	U340050	3/16" LYNCH PIN				
19	1	8041375	LONG LINKAGE STREETSIDE				
	1	8041770	PLASTIC WEAR PLATE				
	2	U010800	SCREW, SFH 1/4"-20 X 3/4"				

Tank and Door Assembly

V800



100410-E

VACASSY018

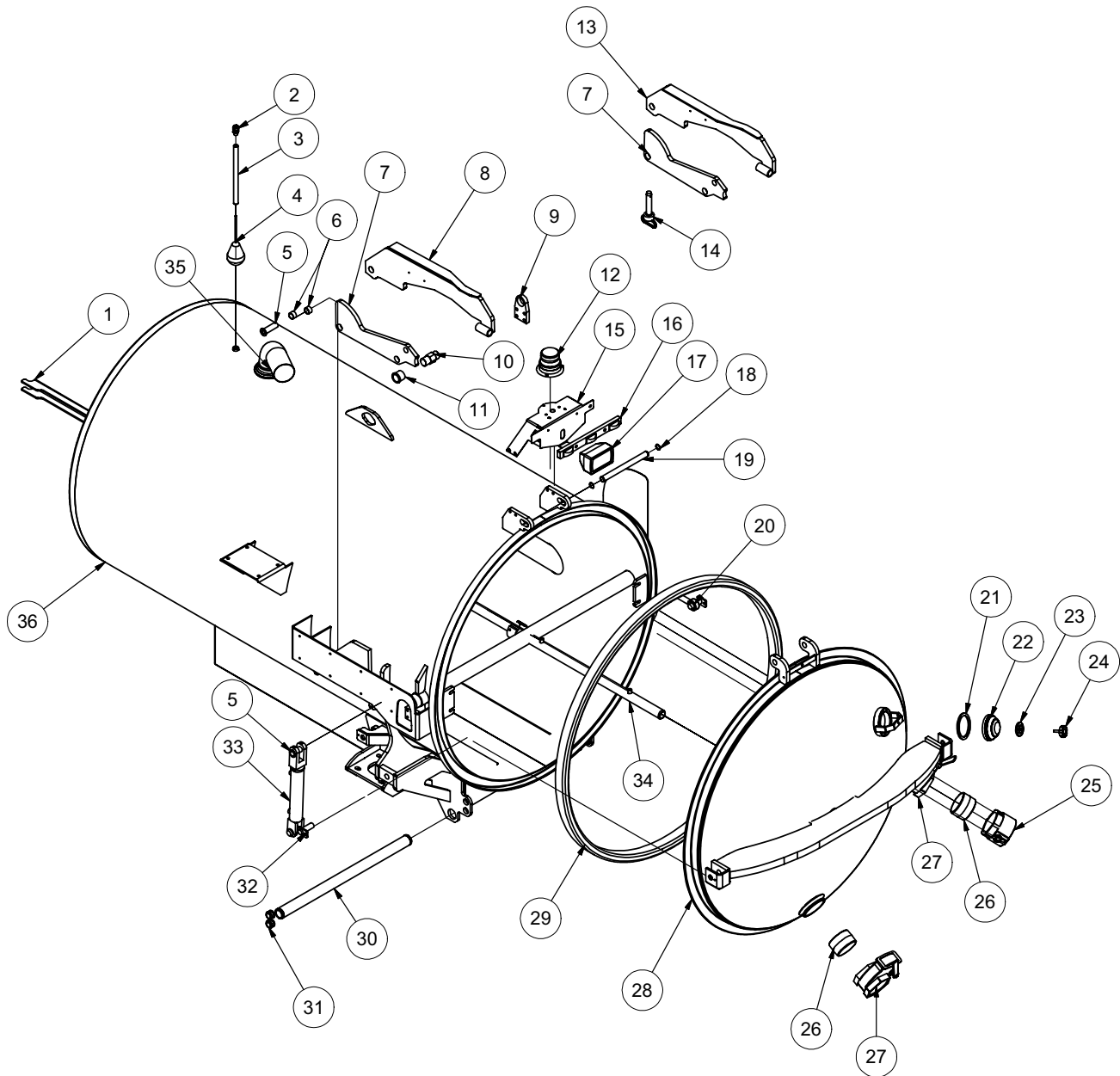
Tank and Door Assembly

V800

ITEM#	QTY	NUMBER	DESCRIPTION
1	1	8041212	TANK SAFETY BRACE
2	1	X000113	STRAIN RELIEF, 1/2"
3	1	8041471	HIGH LEVEL FLOAT SWITCH TUBE V800
4	1	8030531	HIGH LEVEL FLOAT SWITCH
5	6	8042489	HYD. DOOR - PIN WELDMENT 1"DIA X 3"
6	6	8041524	BUSHING BRONZE 1.25" X 1.00" X .75"LG
7	2	8041604	SHORT LINKAGE WELDMENT
8	1	8041375	DOOR HYD. LONG LINKAGE SS WELDMENT
9	2	8041621	OUTER BEARING PLATE
10	1	8041663	LINKAGE CROSS TUBE WELDMENT
11	2	8041610	BUSHING BRONZE FLANGED 1 1/2"
12	1	8030347	STROBE LIGHT
13	1	8041369	DOOR HYD. LONG LINKAGE WELDMENT
14	1	8041626	HITCH PIN, 1" X 4 1/2"
15	1	8046507	STROBE LIGHT BRACKET
16	1	8041509	LIGHT CLEARANCE 3 BAR
17	1	8031242	WORKLIGHT
18	2	8030362	1" SNAP RING
19	1	8040058	DOOR HINGE ROD
20	2	8041630	ROD END WITH BRONZE BUSHING
21	1	8032007	GASKET, 4" COUPLER
22	1	8031048	SIGHT GLASS
23	1	8031047	SIGHT GLASS PLATE
24	1	8031046	SIGHT GLASS HAND WHEEL
25	1	8030846	4" FEMALE COUPLER
26	2	8030431	4" CLOSE NIPPLE
27	2	8030916	4" GATE VALVE
28	1	8041580	800/1200 HYD LOCK DOOR
29	1	8041767	DOOR SEAL 54"DIA TANK
30	1	8042648	TANK PIVOT ROD
31	4	8041686	GROMMET 1"ID - 1 1/4"DOG - 1/4"WO
32	2	8042171	DOOR CAPTURE PIN
33	2	8041327	HYD. CYLINDER - 8" STROKE
34	1	8041721	TANK ROD WELDMENT - 800 HYD LOCK DOOR
35	1	8040786	EXHAUST ELBOW 4" - WELDMENT
36	1	8041643	800 TANK - WELDMENT (54")

Tank and Door Assembly

V1200



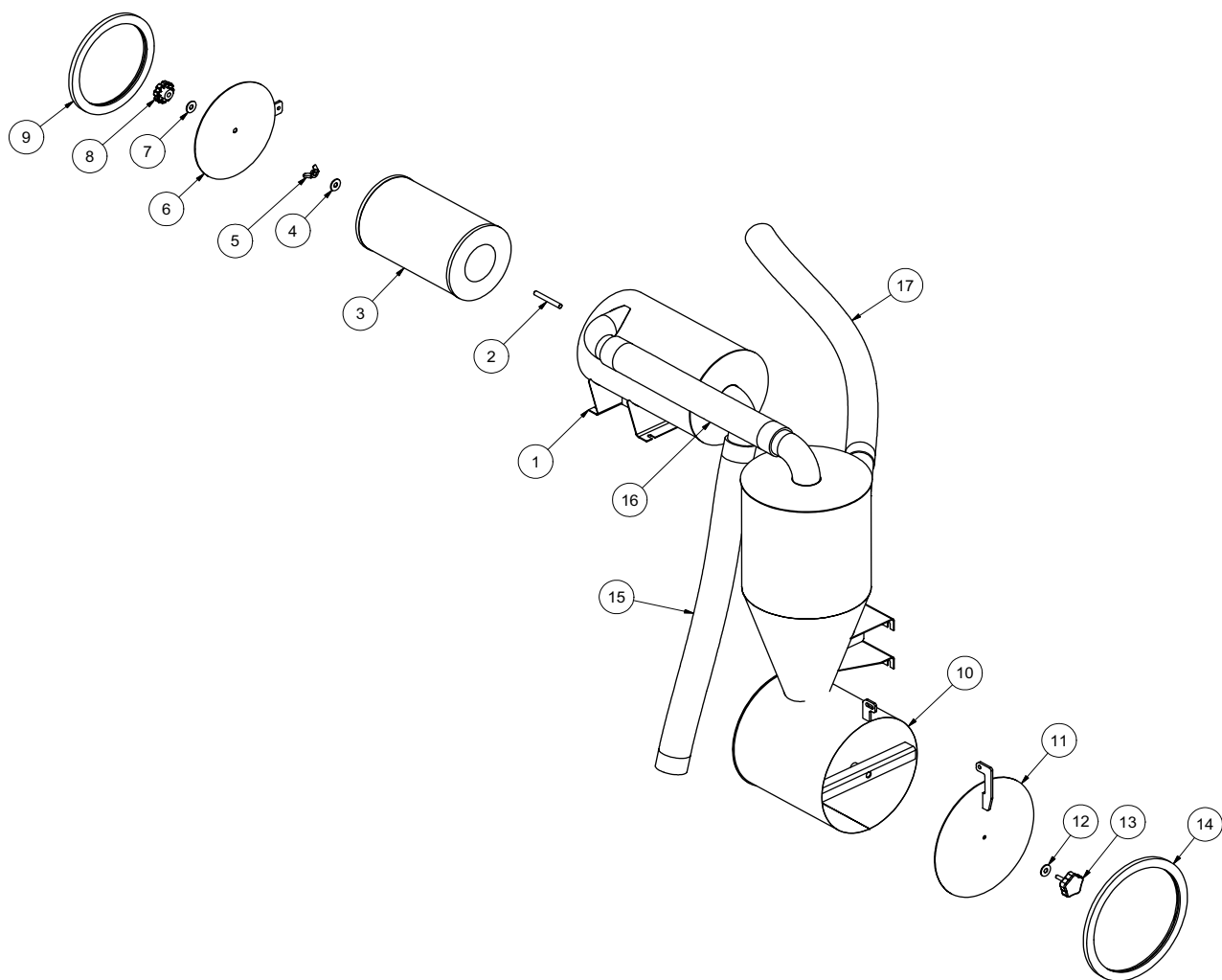
100410-E

VACASSY020

Tank and Door Assembly

V1200

ITEM#	QTY	NUMBER	DESCRIPTION
1	1	8041212	TANK SAFETY BRACE
2	1	X000113	STRAIN RELIEF, 1/2"
3	1	8041471	HIGH LEVEL FLOAT SWITCH TUBE V800
4	1	8030531	HIGH LEVEL FLOAT SWITCH
5	6	8042489	HYD. DOOR - PIN WELDMENT 1"DIA X 3"
6	6	8041524	BUSHING BRONZE 1.25" X 1.00" X .75"LG
7	2	8041604	SHORT LINKAGE WELDMENT
8	1	8041375	DOOR HYD. LONG LINKAGE SS WELDMENT
9	2	8041621	OUTER BEARING PLATE
10	1	8041663	LINKAGE CROSS TUBE WELDMENT
11	2	8041610	BUSHING BRONZE FLANGED 1 1/2"
12	1	8030347	STROBE LIGHT
13	1	8041369	DOOR HYD. LONG LINKAGE WELDMENT
14	1	8041626	HITCH PIN, 1" X 4 1/2"
15	1	8046507	STROBE LIGHT BRACKET
16	1	8041509	LIGHT CLEARANCE 3 BAR
17	1	8031242	WORKLIGHT
18	2	8030362	1" SNAP RING
19	1	8040058	DOOR HINGE ROD
20	2	8041630	ROD END WITH BRONZE BUSHING
21	1	8032007	GASKET, 4" COUPLER
22	1	8031048	SIGHT GLASS
23	1	8031047	SIGHT GLASS PLATE
24	1	8031046	SIGHT GLASS HAND WHEEL
25	1	8030846	4" FEMALE COUPLER
26	2	8030431	4" CLOSE NIPPLE
27	2	8030916	4" GATE VALVE
28	1	8041580	800/1200 HYD LOCK DOOR
29	1	8041767	DOOR SEAL 54"DIA TANK
30	1	8042648	TANK PIVOT ROD
31	4	8041686	GROMMET 1"ID - 1 1/4"DOG - 1/4"WO
32	2	8042171	DOOR CAPTURE PIN
33	2	8041327	HYD. CYLINDER - 8" STROKE
34	1	8041721	TANK ROD WELDMENT - 800 HYD LOCK DOOR
35	1	8040786	EXHAUST ELBOW 4" - WELDMENT
36	1	8043631	1200 TANK - WELDMENT (54")



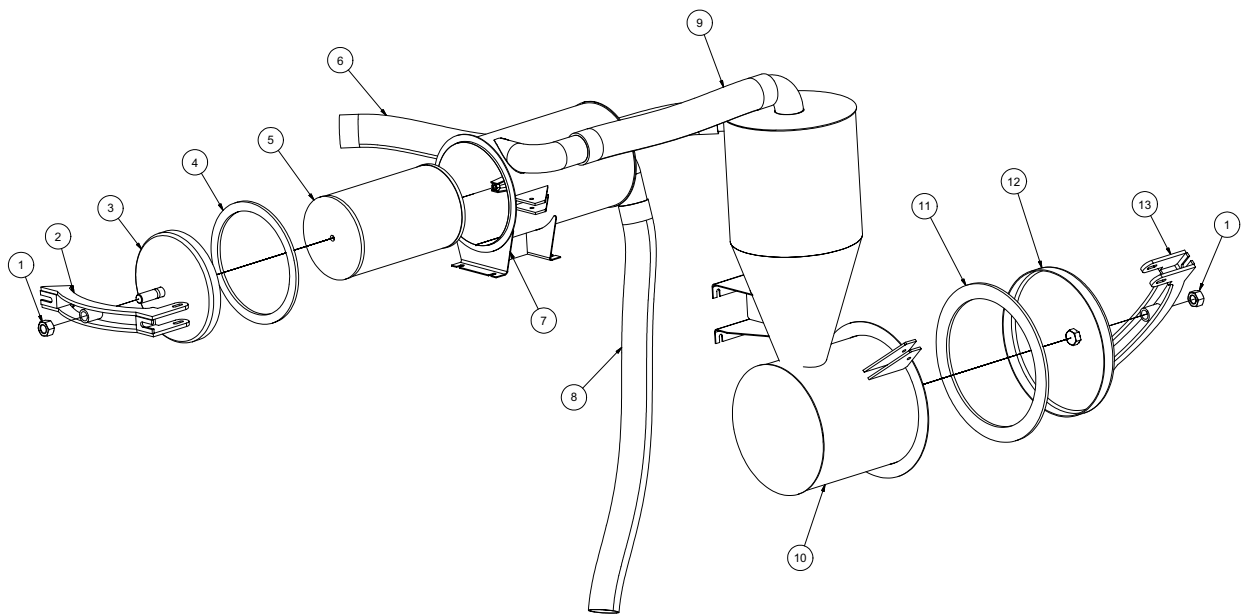
Filtration

575

ITEM	QTY	PART #	DESCRIPTION
1	1	8042441	AIR FILTER HOUSING
	4	U000420	SCREW,HC 3/8-16 X 1.00
	8	U200600	WASHER,FLAT 3/8"
	4	U210061	NUT,HEX NY 3/8-16
2	1	8040302	THREADED ROD - 4" LG
3	1	8031178	FILTER, ELEMENT
4	1	U200100	WASHER, FLAT 1/2"
5	1	8041219	NUT, WIDE WING 1/2 - 13"
6	1	8041534	AIR FILTER HOUSING DOOR
	1	U000560	SCREW, HC 3/8-16 X 3.00
	2	U200600	WASHER,FLAT 3/8"
	1	U210061	NUT,HEX NY 3/8-16
7	1	8041232	WASHER, RUBBER BACKED 1/2"
8	1	8041218	KNOB, AIR FILTER
9	1	8041357	AIR FILTER HOUSING DOOR SEAL
10	1	8042440	CYCLONE SEPERATOR HOUSING
	4	U000420	SCREW,HC 3/8-16 X 1.00
	4	U200600	WASHER,FLAT 3/8"
	4	U210060	WASHER, LOCK
11	1	8041272	575/1025 CYCLONE DOOR
	1	U000460	SCREW, HC 3/8-16 X 1.50
	2	U200600	WASHER,FLAT 3/8"
	1	U210061	NUT,HEX NY 3/8-16
12	1	8041232	WASHER, RUBBER BACKED 1/2"
13	1	8041197	KNOB, CYCLONE
	1	U200600	WASHER,FLAT 3/8"
	1	U210061	NUT,HEX NY 3/8-16
14	1	8041444	CYCLONE DOOR SEAL
15	1	8045658	V500 AIR FILTER TO BLOWER HOSE KANAFLEX 3-97"
	2	8042605	CLAMP HOSE T-BOLT 350
16	1	8045657	CYCLONE TO AIR FILTER HOSE KANAFLEX 3-19 13/16"
	2	8042605	CLAMP HOSE T-BOLT 350
17	1	8045656	V500 TANK TO CYCLONE HOSE KANAFLEX 3-35 3/8"
	2	8042605	CLAMP HOSE T-BOLT 350

Filtration

575RF



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VACASSY352

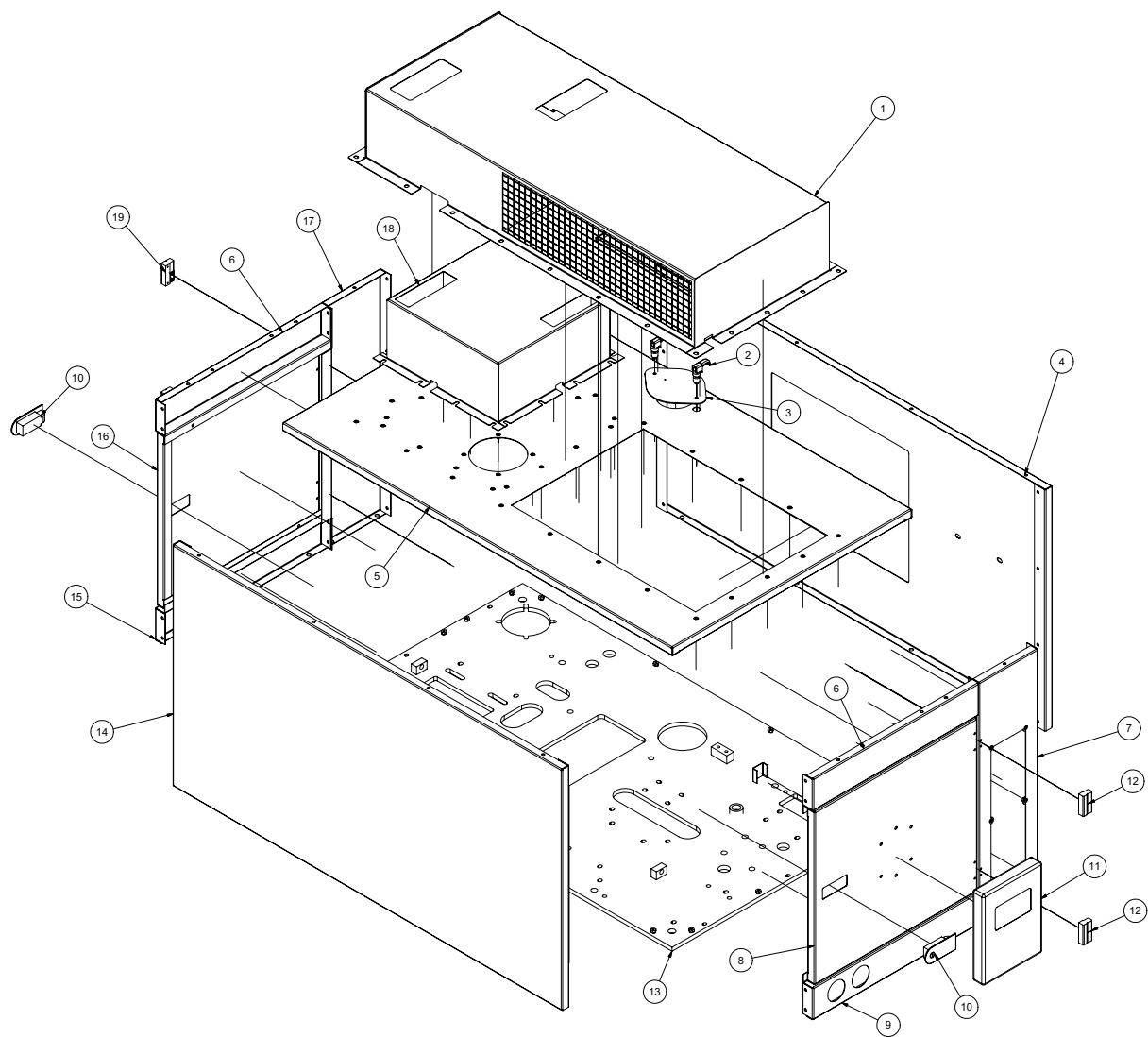
Filtration

575RF

ITEM	QTY	PART #	DESCRIPTION
1	2	U120060	NUT, LOCK NY 1"- 8
2	1	8044622	DOOR LATCH (AIR FILTER) - WELDMENT
3	1	8044620	575 RF AIR FILTER DOME
4	1	8044819	AIR FILTER GASKET 575RF
5	1	8031178	FILTER, ELEMENT 575
6	1	8043940	TANK TO CYCLONE HOSE KANAFLEX 3-48
	2	8042605	CLAMP HOSE T-BOLT (350)
7	1	8044596	AIR FILTER HSG 575RF
	4	U000420	SCREW, HC 3/8-16 X 3.00
	8	U200600	WASHER, FLAT 3/8"
	4	U210061	NUT, HEX NY 3/8-16
8	1	8043938	AIR FILTER TO BLOWER HOSE KANAFLEX 3-126
	2	8042605	CLAMP HOSE T-BOLT (350)
9	1	8043939	AIR FILTER TO CYCLONE HOSE KANAFLEX 3-20
	2	8042605	CLAMP HOSE T-BOLT (350)
10	1	8044589	CYCLONE 575 REV FLOW
	4	U000420	SCREW, HC 3/8-16 X 1.00
	4	U200600	WASHER, FLAT 3/8"
	4	U210060	WASHER, LOCK 3/8"
11	1	8041612	GASKET, REV FLOW CYCLONE
12	1	8041402	HD CYCLONE DOME DOOR ASSY
13	1	8041552	DOOR LATCH (CYCLONE) - WELDMENT

Enclosure Assembly

36 HP



082610-E

VACASSY403

Enclosure Assembly

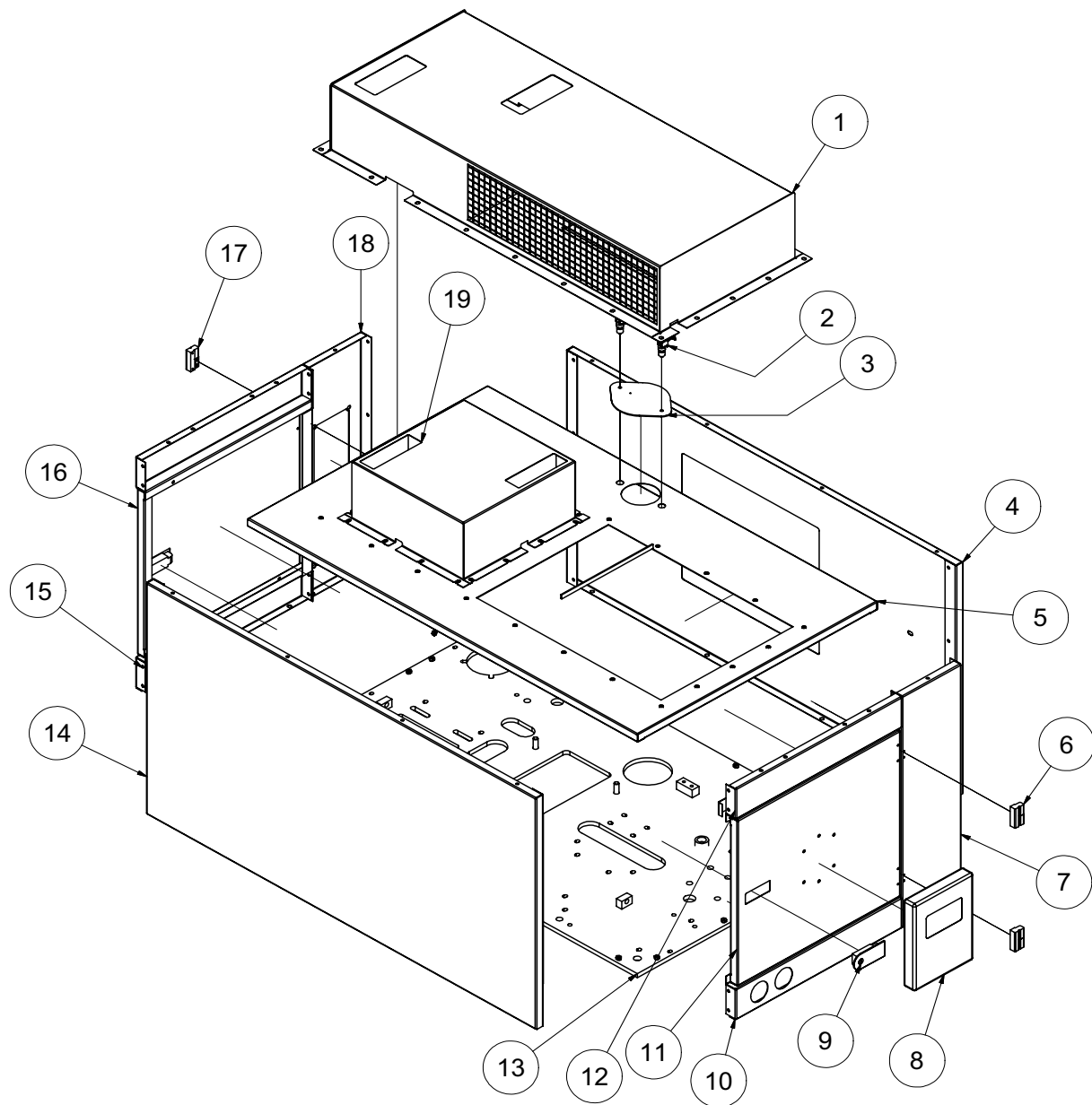
36 HP

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8044654	INTAKE BOX
2	2	8040334	SWELL LATCH
3	1	8040592	RADIATOR ACCESS COVER
4	1	8043622	PANEL FRONT
*	1	8044888	LF-FRONT SHEET SOUND INSULATION
*	1	8044889	RF-FRONT SHEET SOUND INSULATION
*	1	8044896	ABOVE RADIATOR SOUND INSULATION
*	1	8044936	BELOW RADIATOR SOUND INSULATION
5	1	8044646	PANEL TOP
6	2	8043625	PANEL SIDE UPPER
*	2	8044891	ABOVE/BELOW DOOR SOUND INSULATION
7	1	8043624	PANEL SIDE VERTICAL CONTROL
*	1	8044890	CONTROL PANEL SOUND INSULATION
8	1	8043629	PANEL DOOR W/TRANS MTG BOX
*	1	8044894	RH-DOOR SOUND INSULATION
9	1	8043627	PANEL SIDE LOWER GAUGES
*	1	8044891	ABOVE/BELOW DOOR SOUND INSULATION
10	2	8040586	SEALED LEVER LATCH
	1	8041816	KEY DOOR SOUTHCO LATCH
11	1	E250211	BOX, PLASTIC FOR SAFETY MANUAL
12	2	8040588	OFFSET HINGE TYPE "A"
*	8	U010010	SCREW, HSH #10-32 X .375
13	1	8040889	MAIN PLATE
14	1	8044644	PANEL REAR
*	1	8044893	LS-BACK SHEET SOUND INSULATION
*	1	8044943	RS-BACK SHEET SOUND INSULATION
15	1	8043968	PANEL SIDE LOWER
*	1	8044891	ABOVE/BELOW DOOR SOUND INSULATION
16	1	8043969	PANEL DOOR
*	1	8044895	LH-DOOR SOUND INSULATION
17	1	8043966	PANEL SIDE VERTICAL
*	1	8044892	OPPOSITE CONTROL PANEL SOUND INSULATION
18	1	8044661	EXHAUST SHIELD
19	2	8040589	OFFSET HINGE TYPE "B"
*	8	U010010	SCREW, HSH #10-32 X .375

* NOT SHOWN

Enclosure Assembly

36HP RC

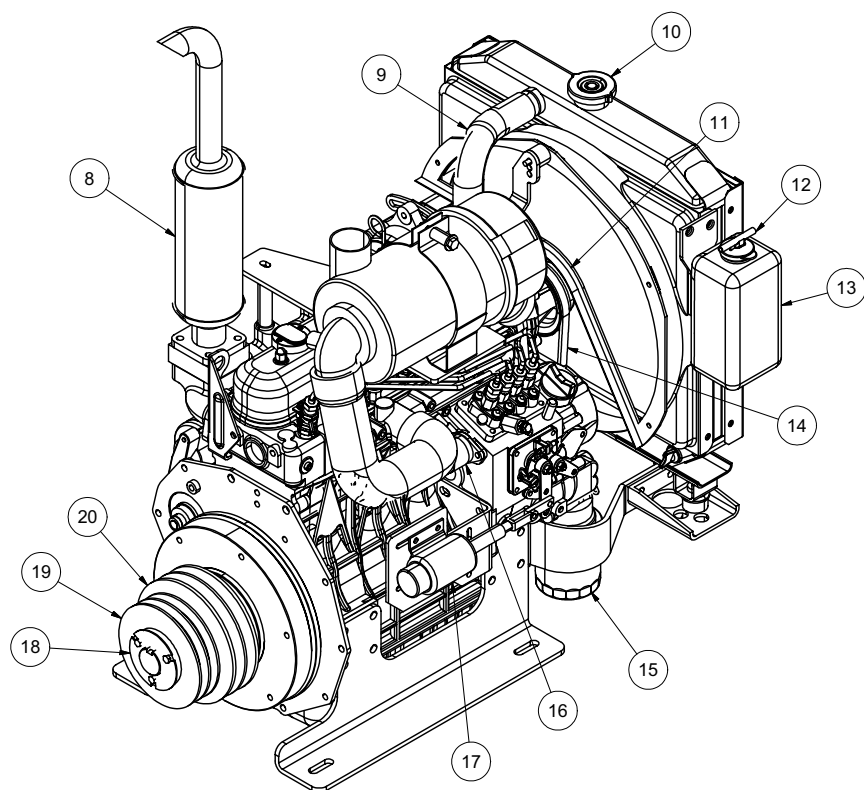
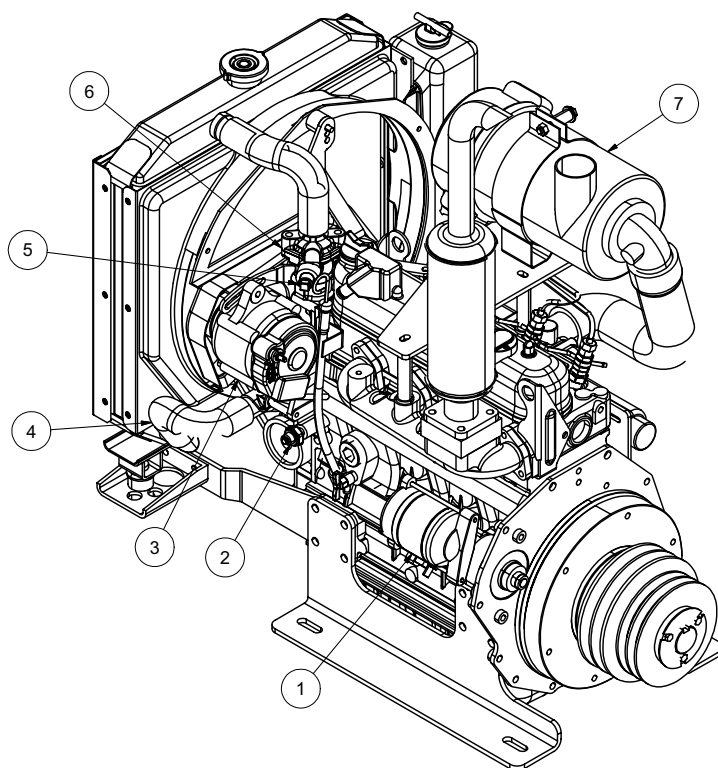


Enclosure Assembly

36HP RC

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8044654	36HS - INTAKE BOX
2	2	8040334	SWELL LATCH
3	1	8040592	ENCLOSURE RADIATOR COVER
4	1	8043622	ENCLOSURE 36VK - PANEL FRONT WELDMENT
*	1	8044888	SOUND INSULATION LF- FRONT SHEET
*	1	8044889	SOUND INSULATION RF- FRONT SHEET
5	1	8044646	ENCLOSURE 36HS - PANEL TOP WELDMENT
6	2	8040588	OFFSET HINGE TYPE "A"
7	1	8043973	ENCLOSURE 36VK - PANEL SIDE VERT. WELDMENT (OPP)
*	1	8044892	SOUND INSULATION OPP. CONTROL SIDE
8	1	E250210	BOX, PLASTIC FOR SAFETY MANUAL
9	2	8040586	SEALED LEVER LATCH
	1	8041816	KEY DOOR SOUTHCO LATCH
10	1	8043627	ENCLOSURE 36VK-PANEL LOWER GAUGES WELDMENT
*	1	8044891	ABOVE / BELOW DOOR SOUND INSULATION
11	1	8043629	36VK PANEL DOOR W/ TRANS MTG BOX
*	1	8044894	RH-DOOR SOUND INSULATION
12	2	8043625	SIDE SHEET, UPPER
	2	8044891	ABOVE / BELOW DOOR SOUND INSULATION
13	1	8040889	MAIN PLATE
14	1	8044644	36HS - PANEL REAR WELDMENT
*	1	8044893	LS - BACK SHEET SOUND INSULATION
*	1	8044943	RS - BACK SHEET SOUND INSULATION
15	1	8043968	36VK PANEL SIDE LOWER WELDMENT
*	1	8044891	ABOVE / BELOW DOOR SOUND INSULATION
16	1	8043969	36VK PANEL DOOR
*	1	8044895	LH - DOOR SOUND INSULATION
17	2	8040589	OFFSET HINGE TYPE "B"
18	1	8043971	36VK PANEL SIDE VERT CONTROL WEDMENT (Opp)
*	1	8044890	CONTROL PANE SOUND INSULATION
19	1	8044661	36HS - EXHAUST SHIELD

Engine Kubota V1505



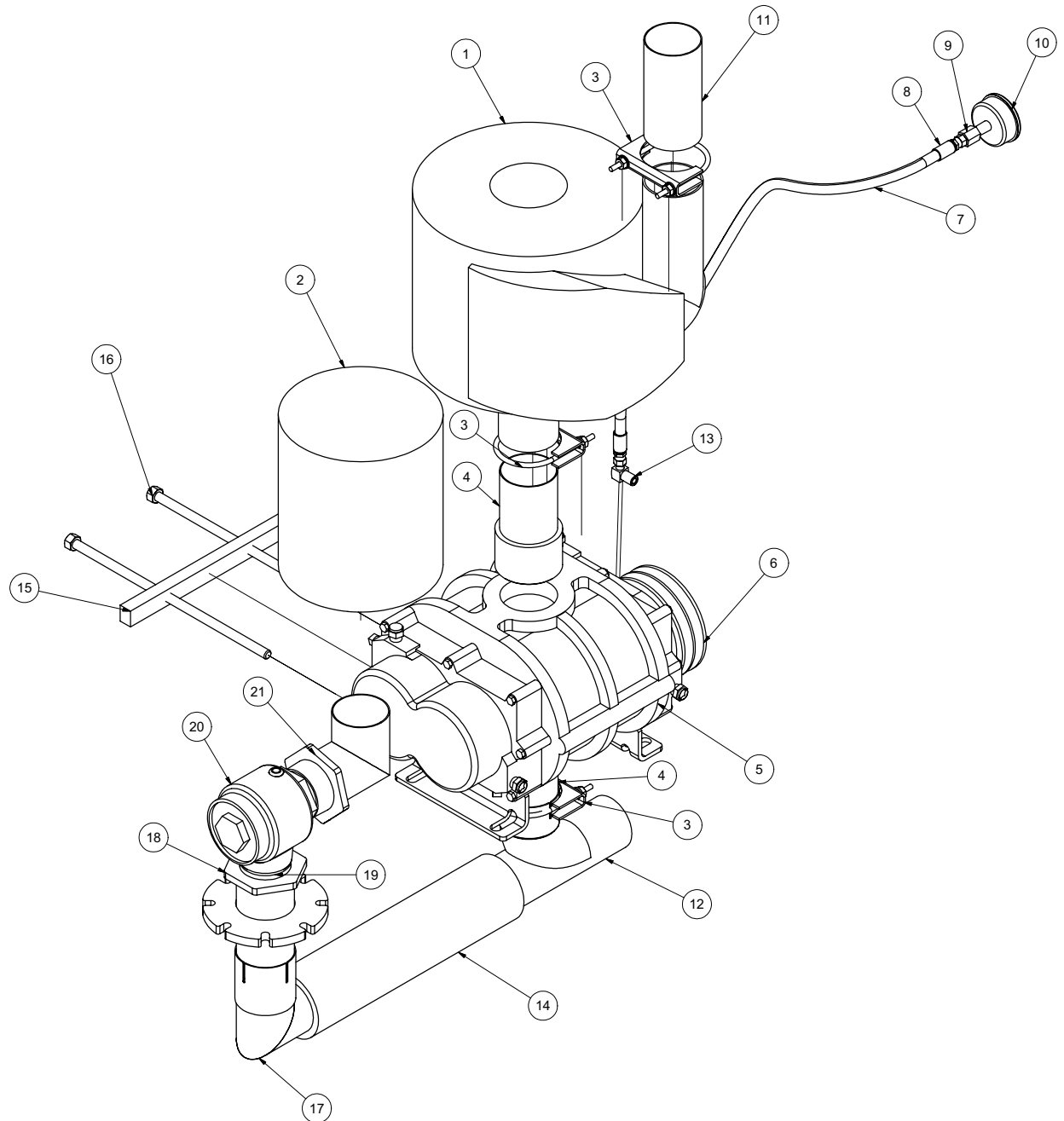
Engine Kubota V1505

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8043950	STARTER
2	1	8030960	OIL PRESSURE SWITCH
3	1	8030937	ALTERNATOR
4	1	8043951	LOWER RADIATOR HOSE
5	1	8043952	WATER TEMPERATURE SWITCH
6	1	8043953	THERMOSTAT
7	1	8043954	AIR FILTER HOUSING
	1	T700150	AIR FILTER ELEMENT
8	1	8030691	MUFFLER
	2	8031067	MUFFLER GASKET
	1	8031068	MUFFLER SPACER
9	1	8043955	UPPER RADIATOR HOSE
10	1	8043956	RADIATOR CAP
11	1	8043957	FAN
12	1		OVERFLOW TANK CAP (SOLD WITH TANK)
13	1	8043948	OVERFLOW TANK
14	1	8043958	FAN BELT
15	1	T700075	OIL FILTER
16	1	8030966	FUEL SHUTOFF SOLENOID
17	1	8030667	THROTTLE SOLENOID
18	1	8041799	KEYWAY RETAINER
19	1	8030970	SHEAVE, WATER PUMP 2AK34H
	1	8030971	BUSHING 1-7/16" H
20	1	8040484	SHEAVE, BLOWER 6.95"OD 2-GROOVE
	1	8040960	BUSHING 1-7/16" SDS
*	1	T700045	FUEL FILTER
*	1	8043959	FUEL PUMP
*	1	T400106	RADIATOR DRAIN FITTING

* Not Shown

Blower Assembly

36HP - 575CFM



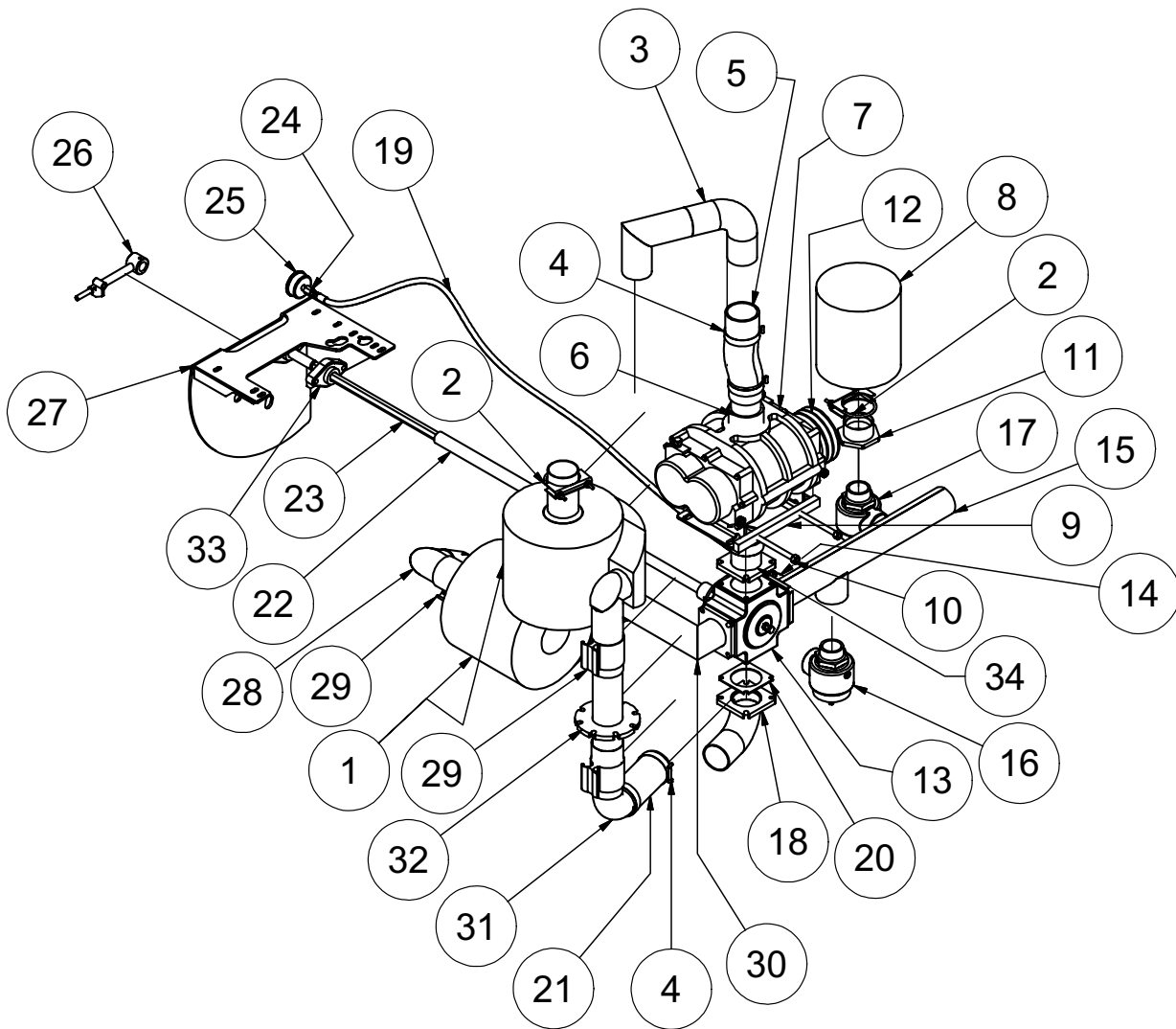
Blower Assembly

36HP - 575CFM

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8030332	SILENCER, 500CFM, COWL
2	1	8043553	FILTER AIR 3" 245CFM
3	3	8030395	3" U-BOLT CLAMP
4	2	8045238	UNION EXHAUST 3" OD-MNPT
5	1	8041250	BLOWER (MODEL 47)
	4	U000817	SCREW, HC 1/2"-13 X 1"
	4	U210100	WASHER, LOCK 1/2"
	4	U200100	WASHER, FLAT 1/2"
6	1	8040945	SHEAVE 595DIA 2 GROOVE
	1	8040642	BUSHING 7/8" SDS
	1	U410042	KEY 3/16" X 3/16" X 2"
	1	8041797	RETAINER
	2	8034158	BX 45 BELT
7	1	8040970	HOSE ASSY VAC 4-70 ST-ST
8	2	T320030	FITTING, HOSE 4HO 4FJ
9	1	8030483	UNION, 4FP 4MJ
10	1	8030371	VACUUM GAUGE
11	1	8030643	EXHAUST TUBE 3"
12	1	8041033	WYE 3" OD STRAIGHT 3" ID BRANCH
13	1	T401100	ELBOW, 4MP - 4MJ 90
14	1	8044107	HOSE VAC KANAFLEX 3" X 7.5"
	2	8042605	CLAMP HOSE T-BOLT 350
15	1	8040702	TENSION BLOCK 575CFM
16	2	8040751	ROD TIGHTENER WELD'T
17	1	8044013	EXHAUST 3" ELBOW TIGHT 90 ID-OD WELD'T
18	1	8044793	BRACKET 36HS VACUUM RELIEF VALVE
19	1	8030409	2" CLOSE NIPPLE
20	1	8030337	KUNKLE VALVE, 575CFM
21	1	8044980	3" ELBOW MFG SHARP W/ 3" X 2" REDUCER

Blower Assembly

36HP - 575CFM RF



Blower Assembly

36HP - 575CFM RF

ITEM	QTY	PART NO.	DESCRIPTION
1	2	8030332	SILENCER, 500CFM, COWL
2	2	8030395	3" U-BOLT CLAMP
3	1	8044939	3" ELBOW SHARP W/ 3" ELBOW (3"RAD OD-OD) WELD'T
4	4	8042605	CLAMP, T-BOLT 3" (350)
5	1	8044648	HOSE VAC AG SUCTION 3-16
6	1	8045238	UNION EXHAUST 3" OD-MNPT
7	1	8041250	BLOWER, MODEL 47
*	4	U000817	SCREW, HC 1/2" - 13 X 1"
*	4	U210100	WASHER, LOCK 1/2"
*	4	U200100	WASHER, FLAT 1/2"
8	1	8043553	FILTER, AIR 3" 245CFM
9	1	8040702	TENSION BLOCK 575CFM
10	2	8040751	ROD TIGHTENER WELD'T
11	1	8044951	VACUUM RELIEF FILTER BUSHING
12	1	8040945	SHEAVE 595DIA 2-GROOVE
*	1	8043228	BUSHING 7/8" SDS
*	1	U420056	STEP KEY .1875" X .25" X 2.5"
*	1	8041797	RETAINER
*	2	8041027	BX 54 BELT
13	1	8041030	VALVE, 4WAY 3"NPT THREADS
14	1	T402020	UNION, 4MJ - 4MP
15	1	8044901	575RF HEADER WITH FLANGE
16	1	8041034	PRESSURE RELIEF 575
17	1	8030337	KUNKLE VALVE, 575CFM
18	1	8044899	3" ELBOW 90 OD-OD WITH FLANGE 3" - 6"LGS
19	1	8040970	HOSE ASSY VAC 4 - 70 ST - ST
20	4	8044792	GASKET, 4WAY VALVE 3"
21	1	8044649	HOSE VAC AG SUCTION 3 - 18"
22	1	8044362	REV FLOW SHAFT EXT. (LONG) WELD'T
23	1	8044365	REV FLOW SHAFT EXT. (SHORT) WELD'T
24	1	8030483	UNION, 4FP - 4MJ
25	1	8030372	WATER PRESSURE GAUGE 1/4"NPT
26	1	8041617	SPRING PLUNGER HOLDER WELD'T
27	1	8044368	REV FLOW FACEPLATE BRACKET
28	1	8044907	3" ELBOW MFG SHARP 3" OD-OD WITH SLEEVE
29	4	8044914	3" BAND CLAMP
30	1	8044903	ELBOW, 90 SHARP 3" OD-ID WITH FLANGE
31	1	8041813	ELBOW, 3" (3"RAD OD-OD)
32	1	8044910	BRACKET MUFFLER TO MAINPLATE, RF
33	1	W030080	FLANGE BEARING - 2BOLT (1"BORE)
34	1	8044905	ADAPTER 4WAY VALVE (3") TO BLOWER

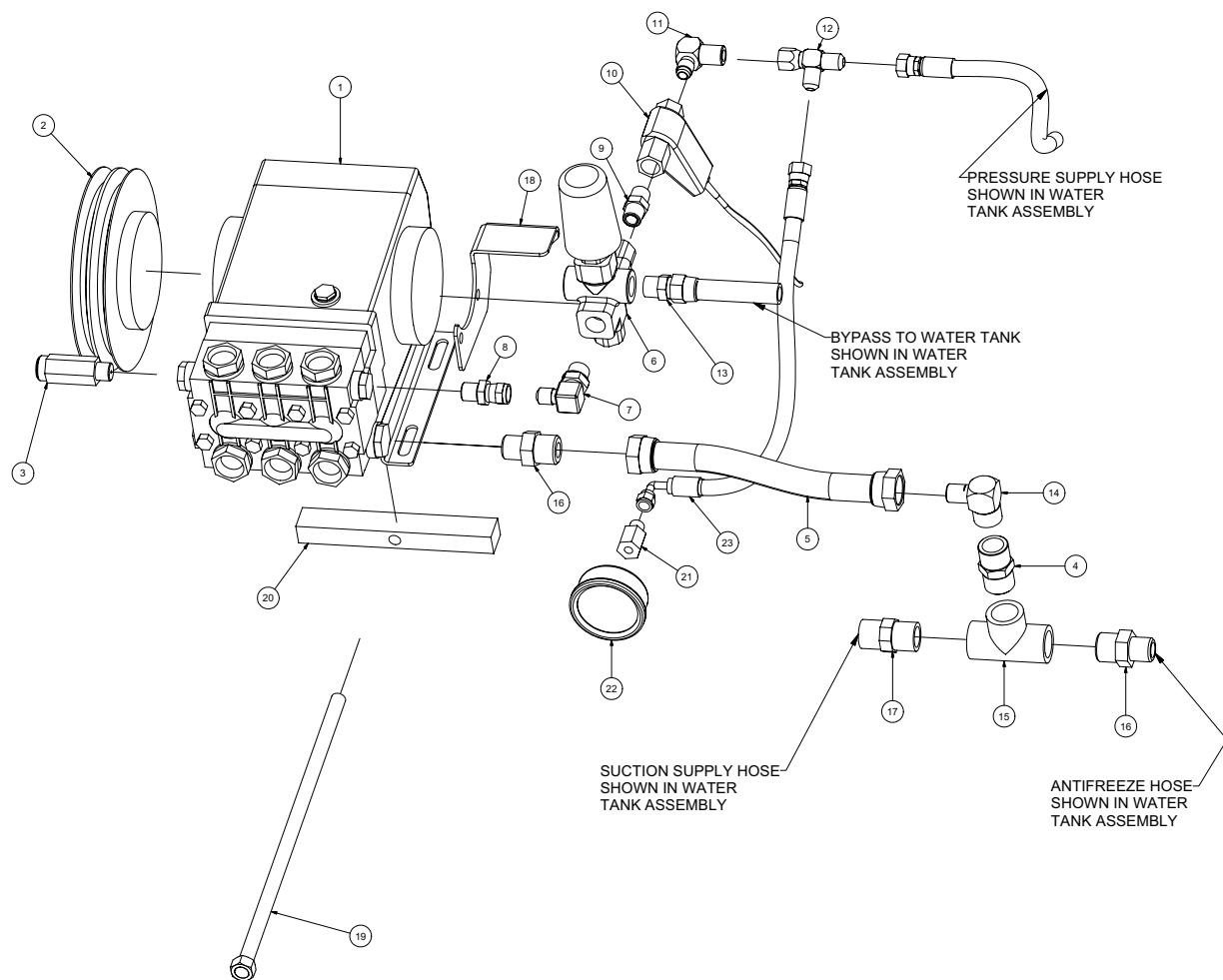
**URAI-DSL Splash Lubricated Blowers
4" Gear Diameter**

Item #	Qty	Part #	Description
1	1	8041250-1	Headplate Gear End
2	1	8041250-2	Headplate Drive End
3	1	8041250-3	Gearbox
4	2	8041250-4	Timing Gears
7	1	8041250-7	Gasket, Gear Box, DE Cover
11	1	8041250-11	Cylinder
12	1	8041250-12	Impeller & Shaft Drive
13	1	8041250-13	Impeller & shaft Driven
14	3	8041250-14	Bearing, Ball
15	1	8041250-15	Bearing, Roller
16	4	8041250-16	Pin, Dowel
17	2	8041250-17	Gear Nut
19	1	8041250-19	Key
21	3	8041250-21	Plug, Pipe
23	6	8041250-23	Screw Hex
25	1	8041250-25	Breather (Plug Vent)
26	*	8041250-26	Screw, Hex
27	4	8041250-27	Seal, Lip Bearing
31	4	8041250-31	Screw, Hex, Nylock
32	6	8041250-32	Screw, Hex
33	1	8041250-33	Seal Lip-Drive
34	2	8041250-34	Clamp Plate
35	2	8041250-35	Foot
39	4	8041250-39	Washer Mounting
40	2	8041250-40	Screw Socket
42	2	8041250-42	Screw Hex
48	4	8041250-48	DE Oil Slinger Set Screw
50	1	8041250-50	Drive End Cover
52	2	8041250-52	Drive End Oil Slinger
53	2	8041250-53	Oil Sight Glass

*Quantities vary by blower.

TS2021

TS2021



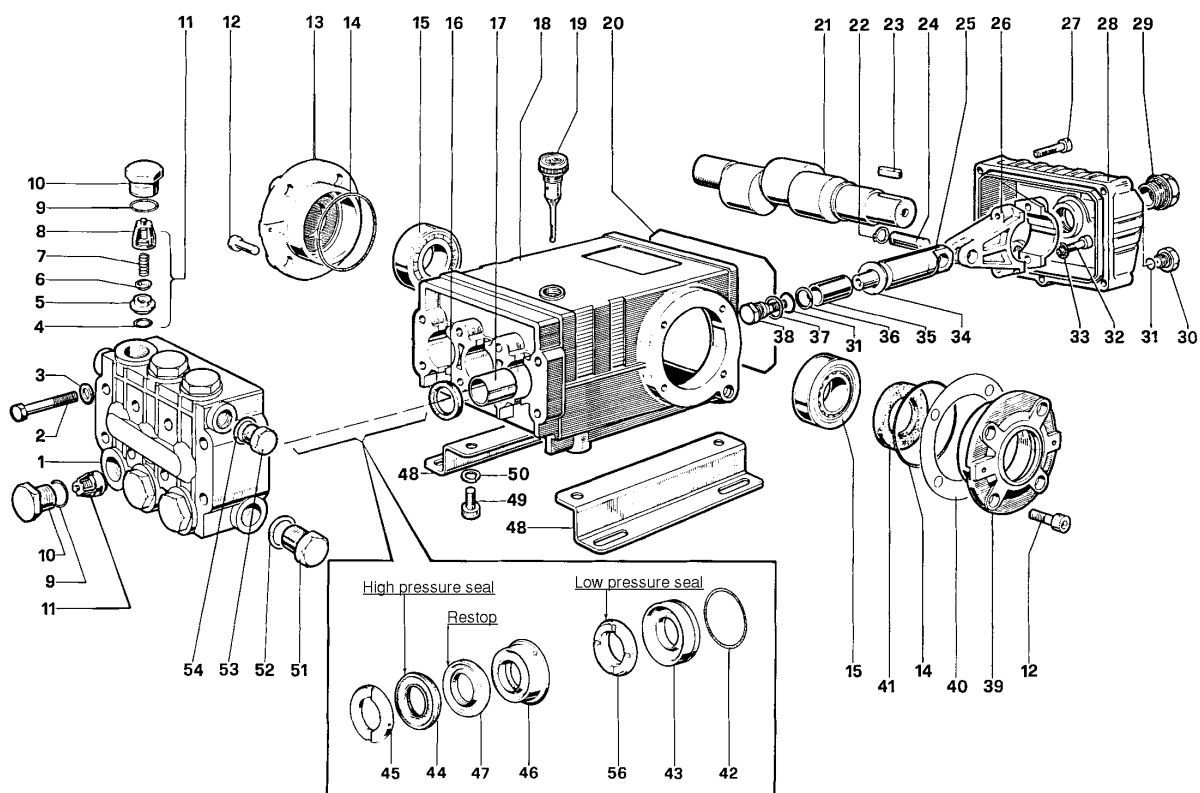
Water Pump Assembly

TS2021

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8031279	WATER PUMP
	4	U000420	SCREW, HC 3/8"-16 X 1"
	4	U210060	WASHER, LOCK 3/8"
	4	U200600	WASHER, FLAT 3/8"
2	1	8030961	WATER PUMP CLUTCH
	1	U410094	KEY 5/16" X 5/16" X 1 3/8"
3	1	8030340	SAFETY RELIEF VALVE 6GPM
4	1	T400080	REDUCER 12MP-8MJ
5	1	8040972	HOSE VAC PUSH 12-8 1/2
	2	8030525	FITTING, HOSE #12FJ PUSH LOCK
6	1	8040177	VALVE, UNLOADER, PULSAR 3
7	1	T401140	ELBOW, 90 1/2"MP-1/2"MJ
8	1	T401125	REDUCER, 3/8MP-1/2FJ
9	1	T400805	UNION, 3/8 MP - 3/8 MP
10	1	8031267	FLOW SWITCH
11	1	T401102	ELBOW, 90 6MJ-6MP
12	1	T402153	TEE 6MJ 6MJ 6FJ
13	1	T400030	REDUCER, 6MP 8MJ
14	1	T401160	ELBOW, 90 3/4 MJ - 1/2 MJ
15	1	T402160	TEE, 3/4FP-3/4FP-3/4FP
16	2	T400080	REDUCER, 12MP 8MJ
17	1	T400100	UNION, 12MP 12MJ
18	1	8043859	WATER PUMP FILTER BRACKET
19	1	8040751	ROD TIGHTENER WELD'T
20	1	8040893	TENSIONER BLOCK, ADJUSTING
21	1	T400110	UNION, 1/4FP-1/4MJ
22	1	8030372	WATER PRESSURE GAUGE 1/4NPT
23	1	8044125	HOSE VAC PUMP TO GAUGE 4-24 ST-90
*	2	8041803	BELT, AX 47 (67/73HP)
	2	8034157	BELT, AX 39 (36HP)
	2	8041082	BELT, AX 48 (99HP COMP 1025 CFM)
	2	8040876	BELT, AX 45 (49HP)

* NOT SHOWN

Water Pump TS2021



TORQUE SPECS*

*Decrease torque by 20%
if threads are lubricated

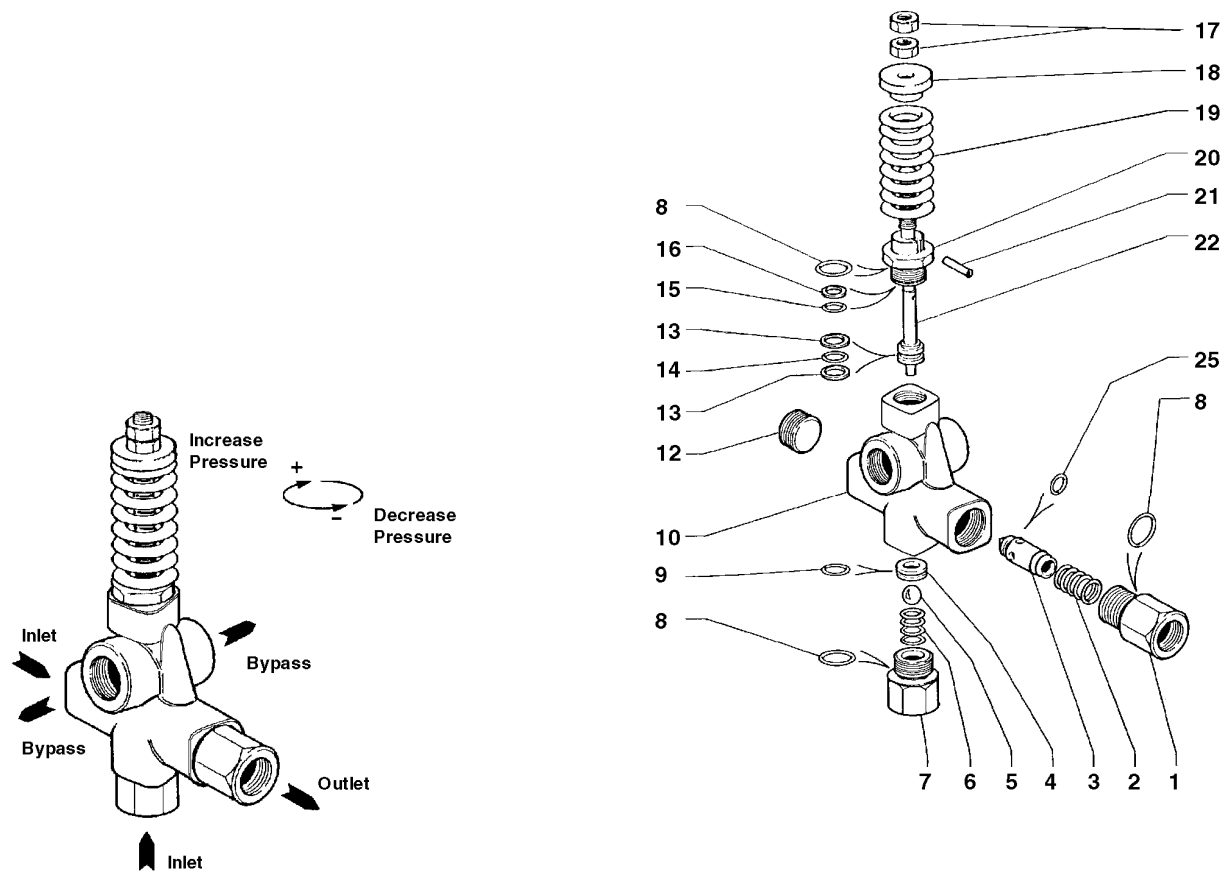
Position	Ft. Lbs.	N-M
2	22.1	29.9
10	73.7	99.9
12	14.7	19.2
27	7.3	9.9
29	13.2	17.9
30	14.7	19.2
32	14.7	19.2
38	14.7	19.2
49	29.4	39.8
51	29.4	39.8
53	29.4	39.8

Water Pump TS2021

ITEM	QTY.	PART #	DESCRIPTION	KIT #	ITEM #'S INCL'D IN KIT	NO. OF ASSY IN KIT	NO. OF CYL KIT WILL SERVICE
1	1	8031280-1	Manifold	8031280-KIT1	4, 5, 6, 7, 8 (11)	6	3
2	8	8031280-2	Screw, M8 x 70	8031280-KIT2	16	3	3
3	8	8031280-3	Washer, M8 x 4	8031280-KIT3	41	2	0
4	8	8031280-4	O-ring, .674 x .103	8031280-KIT4	9, 10	6	3
5	6	8031280-5	Seat, Valve	8031280-KIT5	9, 10	6	3
6	6	8031280-6	Plate, Valve	8031280-KIT6	31, 34	3	3
7	6	8031280-7	Spring		36, 37, 38		
8	6	8031280-8	Guide, Valve	8031280-KIT7	45	6	3
9	6	8031280-9	O-ring,.797x.103	8031280-KIT10	42, 43	3	3
10	6	8031280-10	Cap	8031280-KIT28	42, 43, 44,	1	1
11	6	8031280-11	Valve Assembly		45, 45, 47, 56		
12	8	8031280-12	Screw, M8 x 16	8031280-KIT69	44, 47, 56	3	3
13	1	8031280-13	Cover, Crankcase	8031280-KIT71	46, 47	3	3
14	2	8031280-14	O-ring, 2.675 x .103				
15	2	8031280-15	Bearing, Roller				
16	3	8031280-16	Seal, Oil				
17	3	8031280-17	Bushing				
18	1	8031280-18	Crankcase				
19	1	8031280-19	Oil Dip Stick				
20	1	8031280-20	O-ring, Cover				
21	1	8031280-21	Crankshaft				
22	6	8031280-22	Ring, Snap				
23	1	8031280-23	Key				
24	3	8031280-24	Pin, Wrist				
25	3	8031280-25	Guide, Plunger				
26	3	8031280-26	Rod, Connecting				
27	5	8031280-27	Screw, M6 x 30				
28	1	8031280-28	Cover, Crankcase				
29	6	8031280-29	Oil Indicator				
30	1	8031280-30	Cap				
31	4	8031280-31	O-ring,.426x.070				
32	6	8031280-32	Screw, M8 x 35				
33	6	8031280-33	Washer, M8.4				
34	3	8031280-34	Washer, M14				
35	3	8031280-35	Plunger (20 mm)				
37	3	8031280-37	Washer				
38	3	8031280-38	Screw, Plunger				
39	1	8031280-39	Cover, Crankcase				
40	2	8031280-40	Shim				
41	1	8031280-41	Seal, Oil				
42	3	8031280-42	O-ring, 1.364x.070				
43	3	8031280-43	Retainer, Packing				
44	3	8031280-44	Packing				
45	3	8031280-45	Ring, Head, M20				
46	3	8031280-46	Intermed. Ring				
47	3	8031280-47	Testop Ring				
48	2	8031280-48	Pump Feet				
49	4	8031280-49	Screw, M10 x 18				
50	4	8031280-50	Washer, M10.2				
51	1	8031280-51	Cap				
52	1	8031280-52	Washer, M21.5				
53	1	8031280-53	Cap				
54	1	8031280-54	Washer, M17.5				
56	3	8031280-56	Seal,Low Press,20mm				

VACASSY325

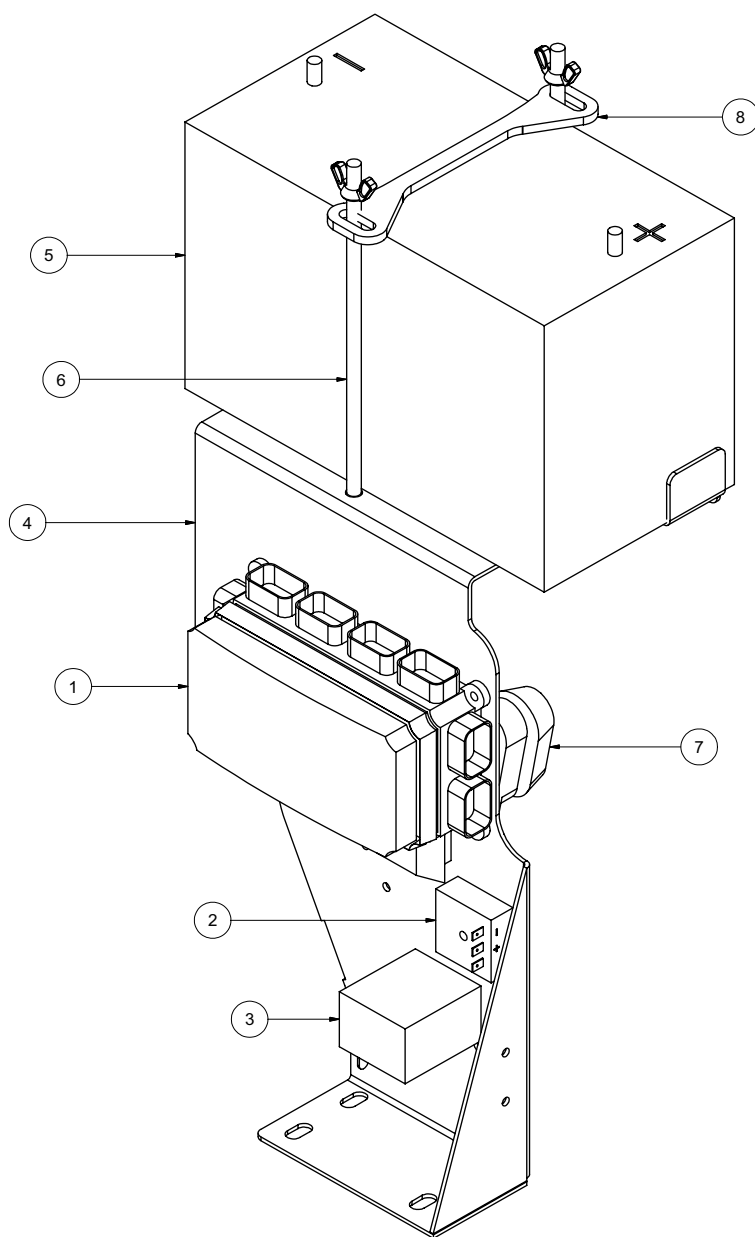
Unloader Valve YU2140



Unloader Valve YU2140

ITEM	QTY	PART #	DESCRIPTION
1	1	8030341-1	OUTLET CONNECTION
2	1	8030341-2	SPRING
3	1	8030341-3	CHECK VALVE
4	1	8030341-4	SEAT
5	1	8030341-5	SS BALL
6	1	8030341-6	SPRING
7	1	8030341-7	INLET CONNECTION
8	2	8030341-8	O-RING
9	1	8030341-9	O-RING
10	1	8030341-10	VALVE HOUSING
12	1	8030341-12	PLUG
13	2	8030341-13	BACK RING
14	1	8030341-14	O-RING
15	1	8030341-15	O-RING
16	1	8030341-16	BACK RING
17	1	8030341-17	NUT
18	1	8030341-18	SPRING GUIDE
19	1	8030341-19	SPRING-GREEN (YU2140)
20	1	8030341-20	PISTON HOUSING
21	1	8030341-21	PIN
22	1	8030341-22	PISTON
25	1	8030341-25	O-RING

Electrical Control Bracket

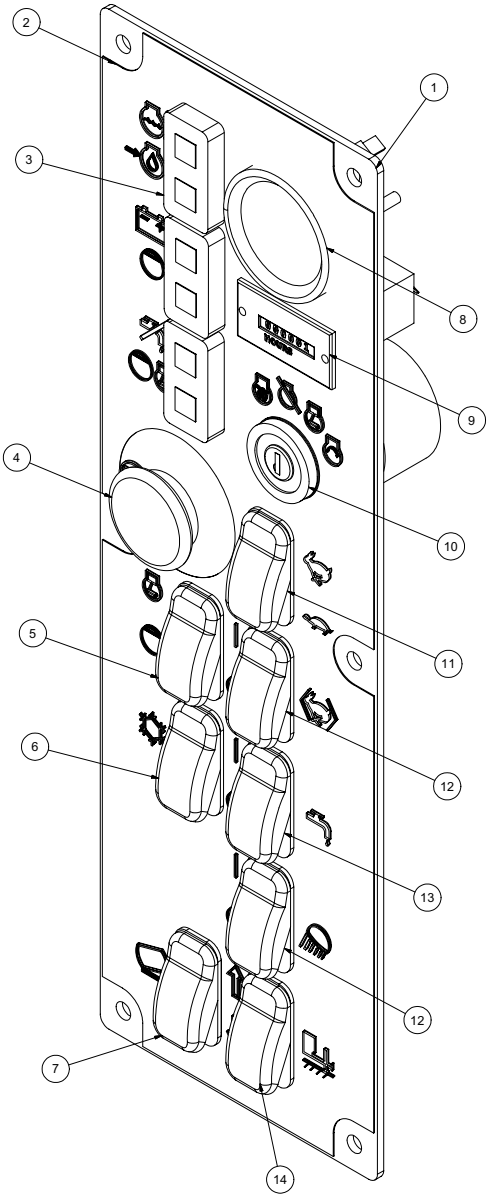
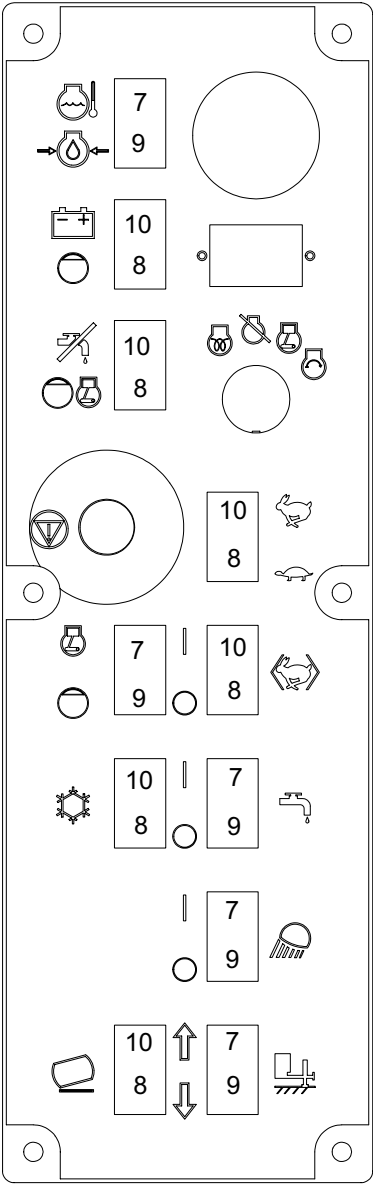


Electrical Control Bracket

ITEM	QTY	PART NO.	DESCRIPTION
1	1	X000213	BUSSMAN VEC
	7	X000205	FUSE 5A
	2	X000206	FUSE 10A
	2	X000207	FUSE 20A
	3	X000237	FUSE 30A
	1	X000236	CIRCUIT BREAKER 20A
	1	X000210	CIRCUIT BREAKER 30A
	6	X000209	RELAY 35A/25A
	5	X000208	DIODE 6A
2	1	8042282	SWITCH, DELAY RELAY
3	1	X000240	RELAY TIME 30 SECOND
4	1	8043127	CONTROL PANEL - HARNESS MTG PLATE
5	1	X400050	BATTERY, 31-MHD WORKAHOLIC
6	2	8043742	BATTERY HOLD DOWN ROD ASSY
7	1	8043800	FUSE HOLDERAMG
	1	8043801	FUSE 250A AMG
8	1	8050016	BATTERY HOLD DOWN
*	1	X200005	HARNESS VAC CONTROL
*	1	X300222	BATTERY GROUND CABLE
*	1	X300219	BATTERY HOT CABLE 18"
*	1	X300220	ENGINE TO FUSE HOT 1GA 60"
*	1	X300221	HYD PUMP TO FUSE HOT 1GA 36"
*	1	X300221	ELEC CONTROL BOX TO FUSE HOT 1GA 36"
*	1	X300222	ELEC CONTROL BOX GROUND 1GA 18"
*	1	X300224	ENGINE GROUND 1GA 21"
*	1	X300225	HYD PUMP GROUND 1GA 24"

* NOT SHOWN

Control Panel

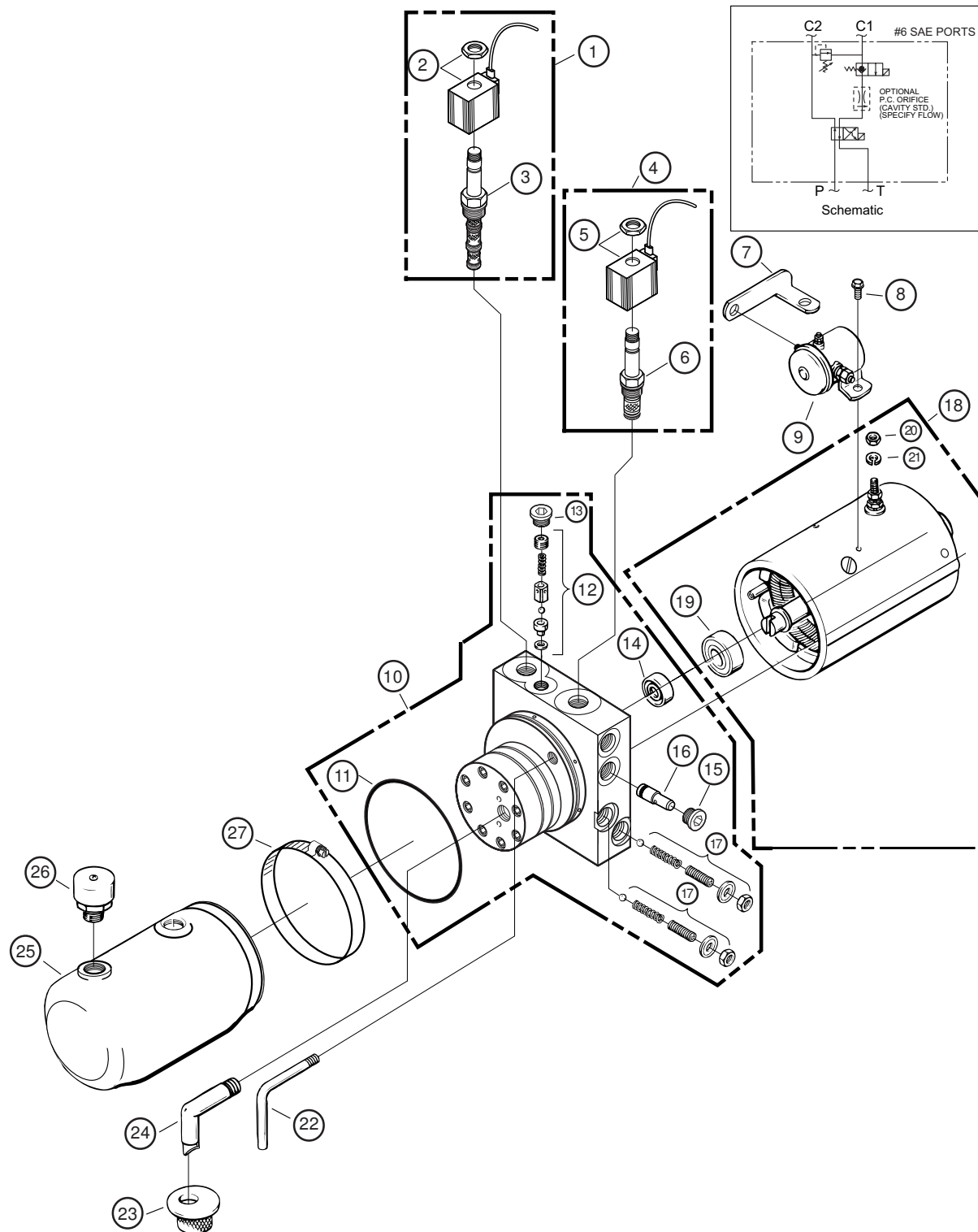


Control Panel

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8043128	CONTROL PANEL - MAIN PLATE
2	1	J200031	DECAL - CONTROL PANEL
3	3	X000260	LIGHT LED DUAL PANEL
4	1	X000280	E-STOP
5	1	X000273	ROCKER SWITCH SPST (ON) NONE -OFF
6	1	X000272	ROCKER SWITCH DPST (ON) NONE -ON
7	1	X000274	ROCKER SWITCH DPDT (ON) OFF (ON)
8	1	X100001	FUEL GAUGE
9	1	X000300	HOUR METER
10	1	8030458	IGNITION SWITCH
11	1	X000271	ROCKER SWITCH DPST ON - ON
12	2	X000270	ROCKER SWITCH SPST ON -OFF
13	1	X000270	ROCKER SWITCH SPST ON -OFF
	1	X000271	ROCKER SWITCH DPST ON -ON
14	1	X000290	ROCKER SWITCH PLUG
	1	X000274	ROCKER SWITCH DPDT (HYD. JACK OPTION)
*	1	8030829	KEY, IGNITION - KUBOTA

* NOT SHOWN

Hydraulic Pump w/ Bracket



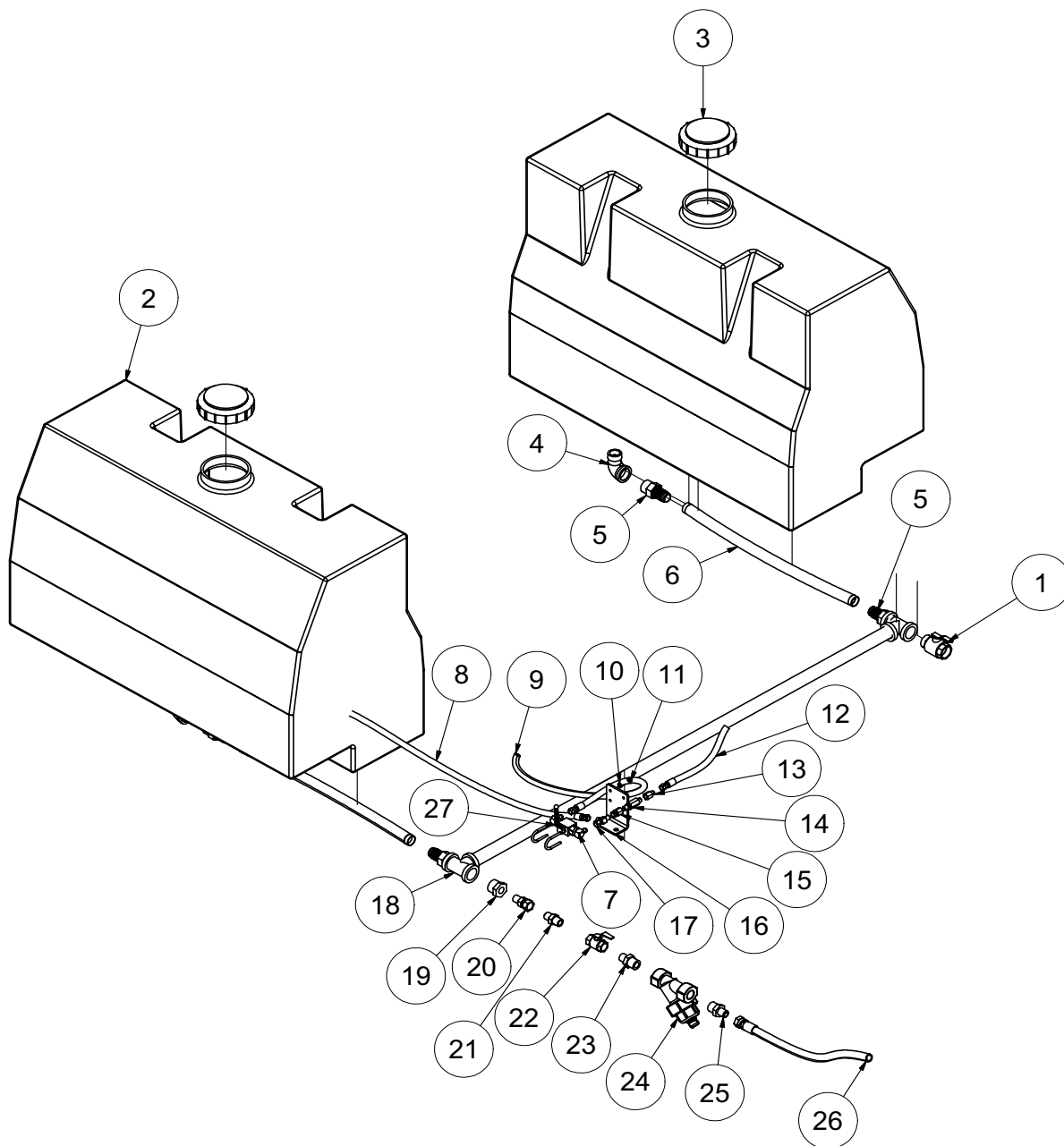
Hydraulic Pump w/ Bracket

ITEM	QTY	NUMBER	DESCRIPTION
	1	8040486	HYDRAULIC PUMP 12V 3QT
		8045355	HYDRAULIC PUMP 12V 6QT (HYDRAULIC DOOR OPTION)
	2	U000420	SCREW, HC 3/8"-16 X 1
	2	U210060	WASHER, LOCK 3/8"
	2	U200600	WASHER, FLAT 3/8"
	2	T400037	UNION 6MB-6MJR
	2	8040973	HOSE ASSY VAC 6-20 ST-90
	2	T400391	BULKHEAD 6MP 6MP
1	1	8041601-14	VALVE, 4 WAY - 2 POSITION (12V)
2	1	8041601-15	COIL, 10 VDC GROUNDED W/DEUTSCH CONN
3	1	8041601-16	CARTRIDGE, 4 WAY - 2 POSITION
4	1	8041601-17	VALVE, 2 WAY - 2 POSITION (12V) GROUNDED
5	1	8041601-18	COIL, 10 VDC, 2 WAY-2 POS GRND W/DEUTSCH CONN
6	1	8041601-19	VALVE 12V HYD 2 WAY-2 POS
7	1	8041601-20	STRAP, MOTOR SOLENOID CONNECTING
8	2	8041601-21	SCREW, RND HD MACH 10-32 X 1/4"
9	1	8041601-22	SWITCH, SOLENOID 12VDC, 3 POST GRND
10	1	8041601-23	PUMP ASSY
11	1	8041601-24	O-RING INDUST 3-5/8 X 3-7/8 X 1/8
12	1	8041601-25	PARTS KIT-VALVE ASSY, POPPET/BALL CHECK
13	1	8041601-26	PLUG
14	1	8041601-27	SEAL
15	1	8041601-28	PLUG, #8 SAE
16	1	8041601-29	VALVE, PRESS, COMP ORIFICE
17	2	8041601-30	PARTS KIT, RELIEF VALVE
18	1	8041601-31	MOTOR, ELECTRIC 12 VDC
19	1	8041601-32	BEARING, BASE, MOTOR
20	1	8041601-33	NUT, HEX 5/16-24
21	1	8041601-34	WASHER, LOCK 5/16"
	2	8041601-38	SCREW, HEX HEAD, 1/4-20 X 1-3/8"
	1	8041601-41	PLUG, 3/8" NPTF
22	1	8041601-42	TUBE, RETURN (1/8")
23	1	8041601-43	SCREEN, FILTER (SUCTION)
24	1	8041601-44	TUBE, FILTER SUCTION 3/8 NPT 90 DEG
25	1	8041601-45	6QT RESEVOIR POLY
	*	8040486-45	3QT RESEVOIR POLY
	*	8041601-48	4.5QT RESEVOIR POLY
26	1	8041601-46	PLUG, VENT, 3/8" NPT
27	1	8041601-47	CLAMP, HOSE WORM GEAR (IN SERIES)
*	1	X200002	HYDRAULIC PUMP WIRE HARNESS
*	1	8043499	HYDRAULIC PUMP MOUNT
		8044297	HYDRAULIC PUMP MOUNT (REVERSE FLOW)
		8045336	HYDRAULIC PUMP MOUNT (412 BLOWER)

* NOT SHOWN

Water Tank Assembly

125 Gallon Saddle Tanks (Skid)



Water Tank Assembly

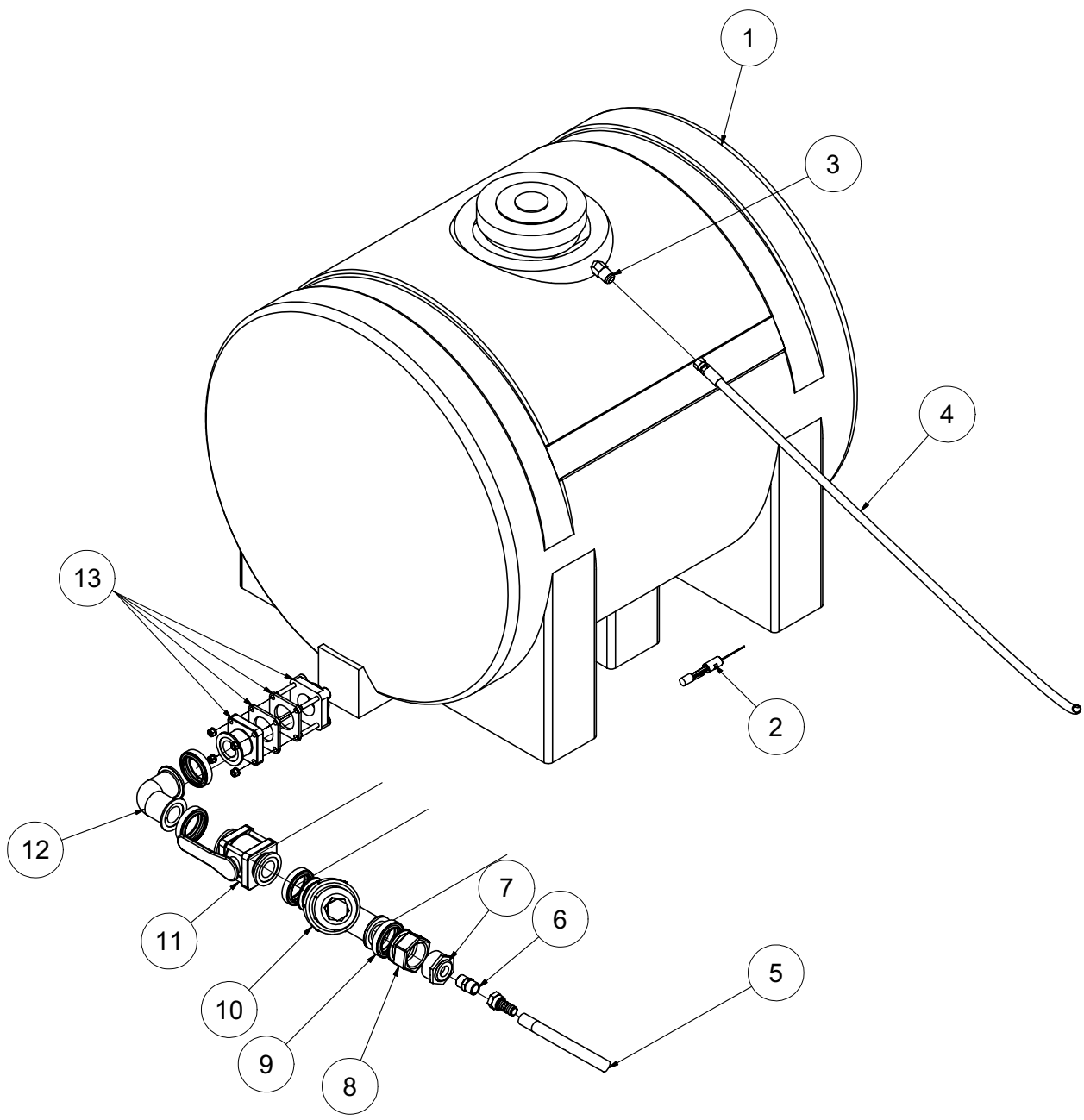
125 Gallon Saddle Tanks (Skid)

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8045813	VALVE,BALL 1 1/4" M X F BRASS
2	1	8046162	TANK, WATER 125GAL (CURB SIDE)
	1	8045093	BULKHEAD 1 1/4" BOTTOM FEED
	1	8040782	TANK, WATER 125GAL (STRRET SIDE)
	1	8045093	BULKHEAD 1 1/4" BOTTOM FEED
3	2	8041119	WATER TANK LID
4	2	8041311	ELBOW, STREET 1 1/4"
5	4	8041312	FITTING, HOSE BARB 1 1/4"
6	2	8041523	HOSE, VAC CLEAR VINYL 1 1/4" - 24
7	2	T401102	ELBOW, 6MJ - 6MP
8	1	8041477	HOSE REEL TO BALL VALVE 6 -140 ST-ST
9	1	8043949	BALL VALVE TO TANK CLEANOUT 6-215 ST-90
10	4	U200020	WASHER, FLAT 1/4"
11	4	U120100	NUT, LOCK 1/4"-20
12	1	8043664	BALL VALVE TO WATER PUMP 6-36 ST-90
13	1	8031126	UNION, 4FP - 6MJ
14	1	8030923	FILTER, WATER HIGH PRESSURE
15	1	8031125	REDUCER, 1/4"FP - 3/8"FJ
16	1	8040670	BALL VALVE BRACKET
17	1	T402153	TEE, 6MJ - 6MJ - 6FJ
18	2	8041310	TEE, 1 1/4"FP - 1 1/4"FP - 1 1/4"FP
19	1	T403100	REDUCER, 20MP - 12FP
20	1	T400101	UNION, 12FJ - 12MP
21	1	T400100	UNION, 12MJ - 12MP
22	1	T000185	BALL VALVE, BRASS 3/4"FP
23	1	T404060	REDUCER, 16MP - 12MP
24	1	8040186	STRAINER
	1	8040186-1	END CAP
	1	8040186-2	GASKET
	1	8040186-3	STRAINER PLUG
	1	8040186-4	FKM O-RING
	1	8040186-5	STRAINER MESH SCREEN 80
	1	8040186-6	Y-BODY
	1	8040186-7	EPDM O-RING
25	1	T400450	REDUCER, 12MJ - 16MP
26	1	8041058	HOSE VAC PUSH 12-36
	2	8030525	FITTING HOSE 12FJ PUSHLOCK
27	1	8030351	BALL VALVE 3/8"
	2	U010017	U-BOLT .250 - 20
*	1	8043806	SWITCH, WATER TANK BOTTOM SHORT
*	1	8046803	HOSE VAC PUSH 8-79
*	2	8030524	FITTING, PUSH LOCK #8
*	1	8030518	ELBOW, 45 1/2" MJ BULKHEAD

* NOT SHOWN

Water Tank Assembly

230 GAL



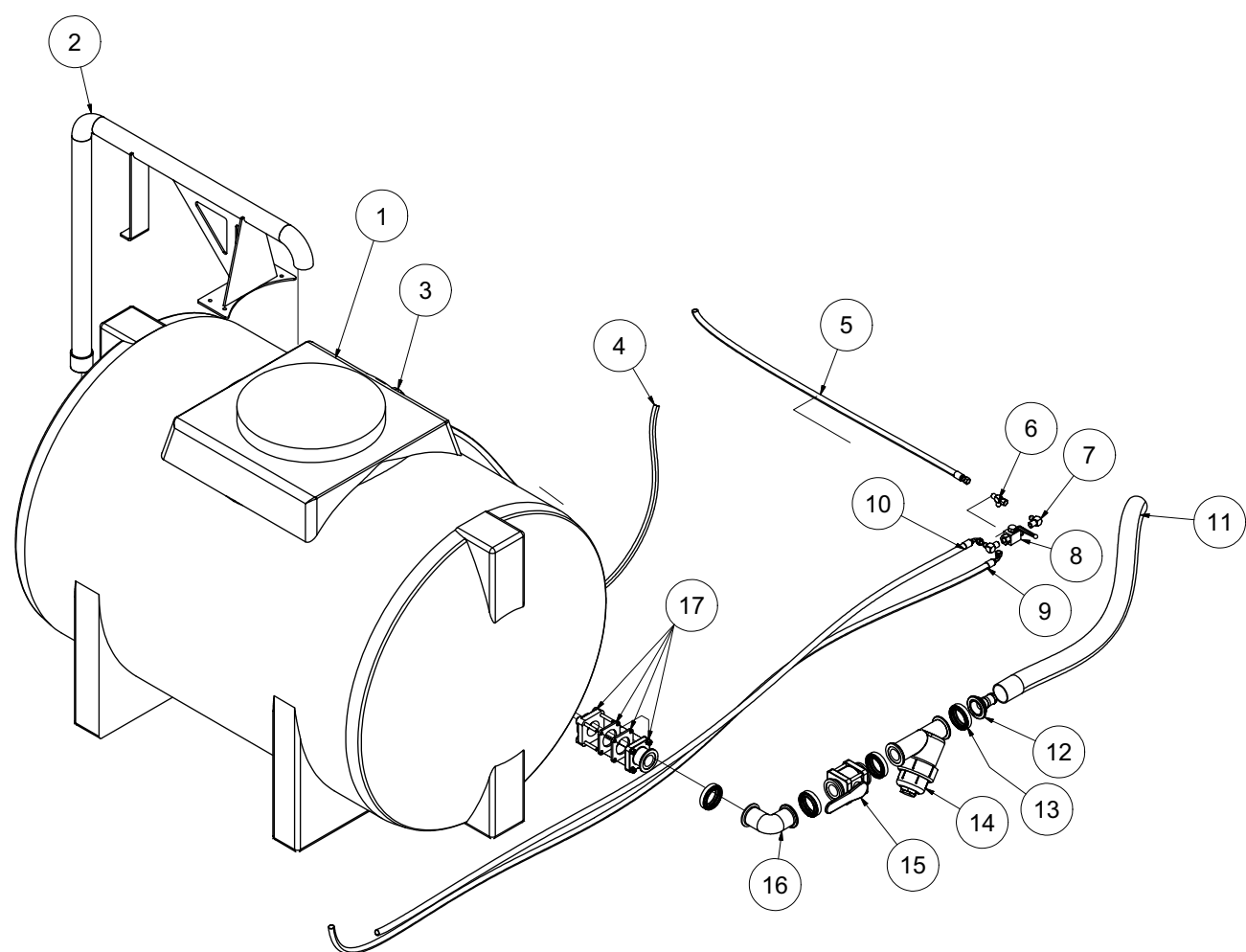
Water Tank Assembly

230 GAL

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8030338	230 GALLON WATER TANK
	2	8040084	WATER TANK STRAP
	1	8030931	WATER TANK LID
2	1	8030343	LOW WATER LEVEL SWITCH
3	1	8030518	BULKHEAD 45 DEG, 8MJ
4	1	8041465	HOSE, BYPASS 230 WATER TANK
	2	8030524	PUSH LOCK HOSE FITTING 8FJ
5	1	8041467	HOSE, SUCTION
	2	8030524	PUSH LOCK HOSE FITTING 12FJ
6	1	T400100	UNION, 12MP - 12MJ
7	1	8031134	BUSHING, 2" X 3/4"NPT BANJO
8	1	8030996	ADAPTER, FEMALE 2" BANJO
9	4	8031000	CLAMP, WATER MANIFOLD
10	1	8031001	Y-STRAINER, 2" BANJO
11	1	8030998	BALL VALVE, 1 1/2" ID BANJO
12	1	8030995	ELBOW, 2" BANJO
13	1	80309971	FLANGE, 2" BANJO
	1	80309972	FLANGE GASKET, 2" BANJO
	1	80309972	FLANGE GASKET, 2" BANJO
	1	80309973	FLANGE BOLTED, 2" BANJO
	4	U100060	NUT, HEX 3/8-16
4	4	U210060	WASHER, LOCK 3/8

Water Tank Assembly

410 TANK



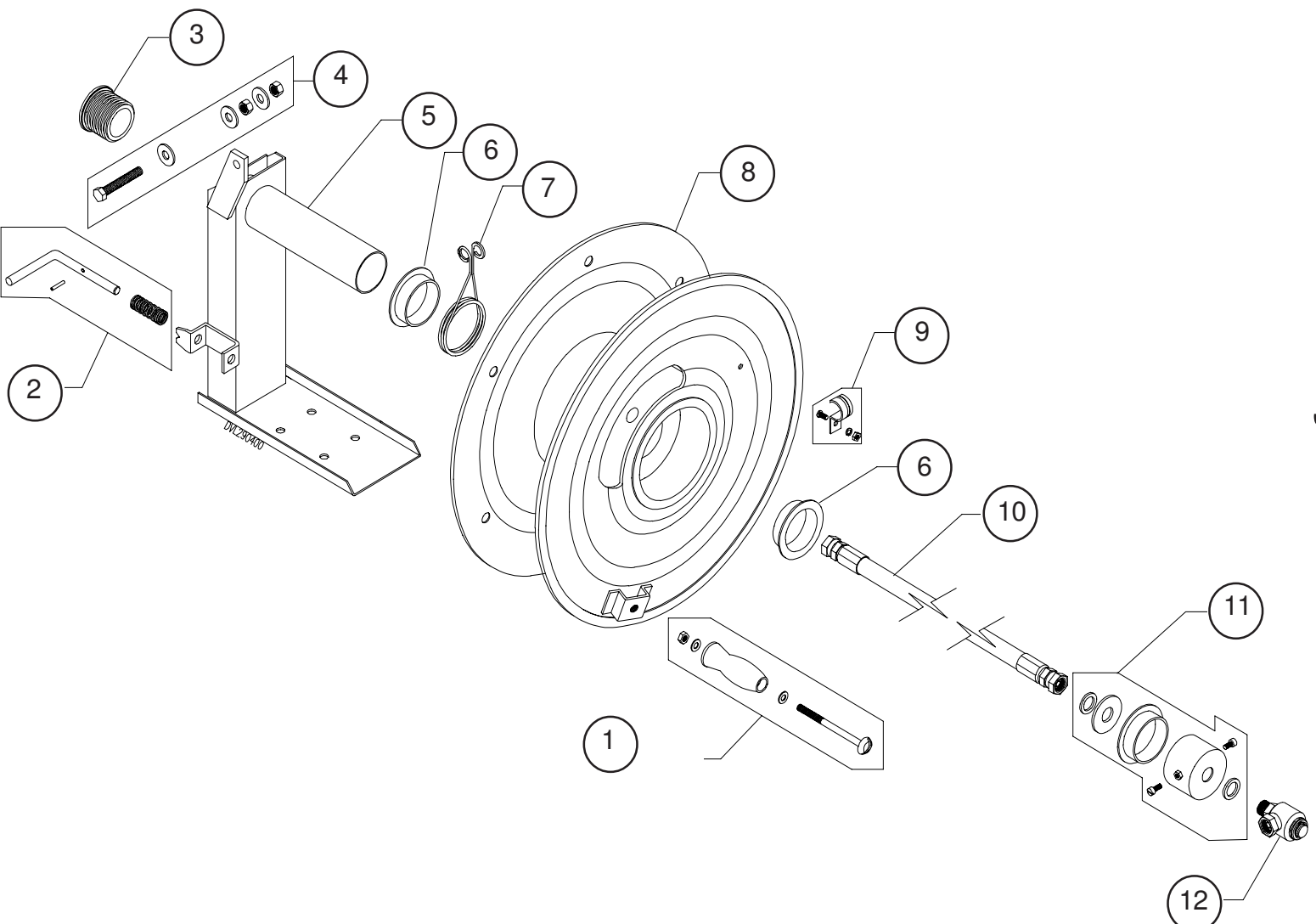
Water Tank Assembly

410 TANK

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8031121	410 GALLON WATER TANK
	2	8041535	WATER TANK STRAP
	1	8031121-1	410 GALLON WATER TANK LID
2	1	8041067	QUICK FILL
	4	U000425	SCREW HC 3/8"-16 X 1"
	8	U200600	WASHER FLAT 3/8"
	4	U210060	WASHER, LOCK 3/8"
	4	U100060	NUT, HEX 3/8"-16
3	1	8030518	1/2" BULKHEAD 45 DEG.
4	1	8042184	HOSE ASSY VAC 8-80 ST-ST
5	1	8042179	HOSE ASSY VAC 6-36 ST-ST
6	1	T402153	TEE #6MJ - #6MJ - #6FJ
7	2	T401102	ELBOW, #6MJ - 3/8"MP
8	1	8030351	3/8" BALL VALVE
9	1	8042178	HOSE ASSY VAC 6-155 ST-90
10	1	8042177	HOSE ASSY VAC 6-254 ST - ST
11	1	8042189	HOSE VAC CLEAR VINYL 1 1/4-36
12	1	8041999	FLANGED HOSE BARB 1 1/4" - 2"
13	4	8031000	CLAMP, WATER MANIFOLD
14	1	8031001	Y-STRAINER, 2" BANJO
15	1	8030998	BALL VALVE, 1-1/2 ID BANJO
16	1	8030995	ELBOW, 2" BANJO
17	1	80309971	FLANGE, 2" BANJO
	1	80309972	FLANGE GASKET, 2" BANJO
	1	80309972	FLANGE GASKET, 2" BANJO
	1	80309973	FLANGE BOLTED, 2" BANJO
	4	U100060	NUT, HEX 3/8-16
	4	U210060	WASHER, LOCK 3/8
*	1	8030343	SWITCH, WATER SHUTOFF

* NOT SHOWN

Hose Reel Assembly



072208

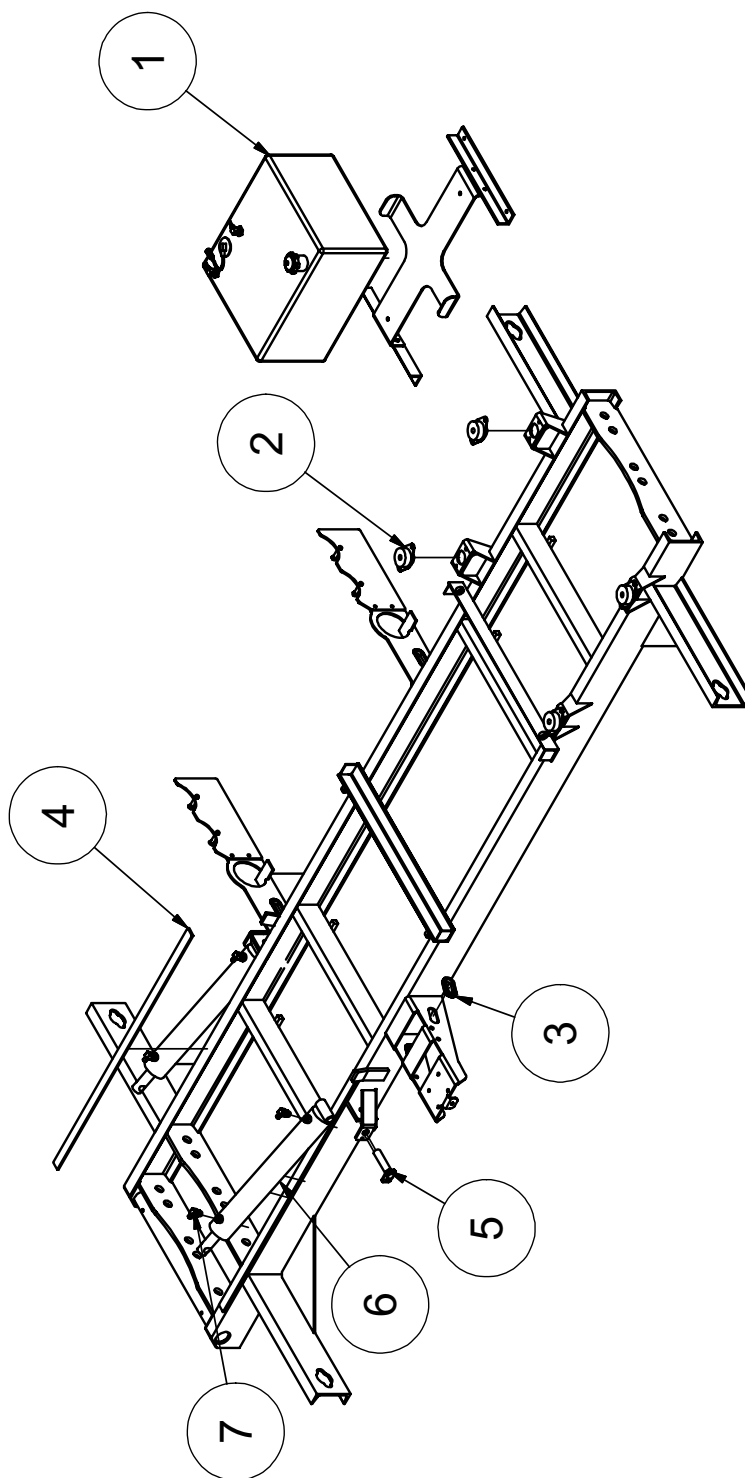
VACASSY751

Hose Reel Assembly

ITEM	QTY	NUMBER	DESCRIPTION
	1	8043927	HOSE REEL, SP 3/8" X 150'
1	1	8043927-1	KIT-HOSE REEL HANDLE W/HARDWARE
2	1	8043927-2	KIT-LOCKING LATCH AND SPRING
3	1	8043927-3	KIT-HOSE GUIDE
4	1	8043927-4	KIT-SCREW, WASHER, BOLT SET
5	1	8043927-5	KIT-BASE
6	1	8043927-6	KIT-BUSHINGS (2)
7	1	8043927-7	KIT-BREAKING SPRING
8	1	8043927-8	KIT-REEL
9	1	8043927-9	KIT-HOSE CLAMP AND SCREW SET
10	1	8042412	HOSE VAC ASSY 6-33 ST-ST FNPT
11	1	8043927-11	KIT-SWIVEL MOUNTING COLLAR
12	1	8043927-12	KIT-3/8" HIGH PRESSURE SWIVEL 5000 PSI

Skid Assembly

V500/800/1200



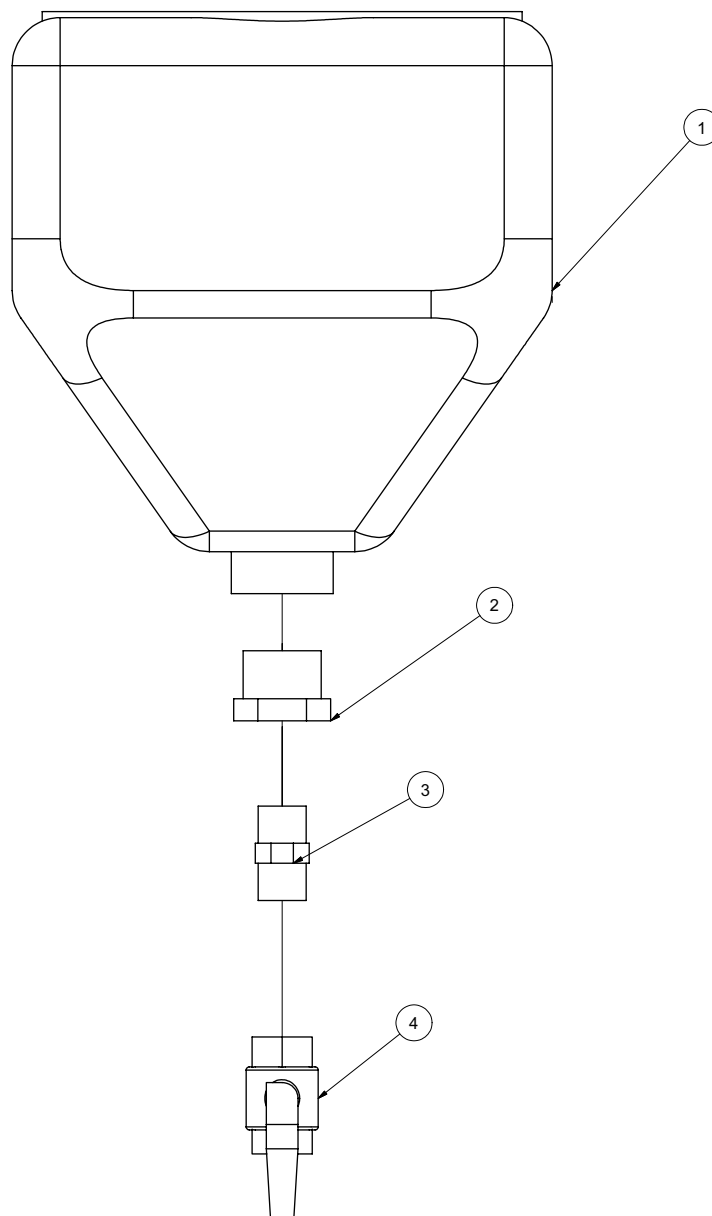
Skid Assembly

V500/800/1200

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8042380	FUEL TANK 22 GAL
	1	8043359	STRAP, EYEBOLT 1" X 49.5"OAL
2	4	8030904	ISOLATOR 840LB.
3	4	8042812	GROMMET 2"ID3"OD1/4"WOG TRAILER SLOT MODEL
4	2	8041376	PLASTIC STRIP 1/4" X 1 1/2" X 48"
5	2	8030128	CYLINDER PIN WELDMENT
6	2	8030359	SPOIL TANK CYLINDER (V500/800)
*	2	8043642	CYLINDER, HYD (V1200)
7	4	T401270	ELBOW, 90 1/2"MB - 3/8"MJ

* NOT SHOWN

Antifreeze Assembly

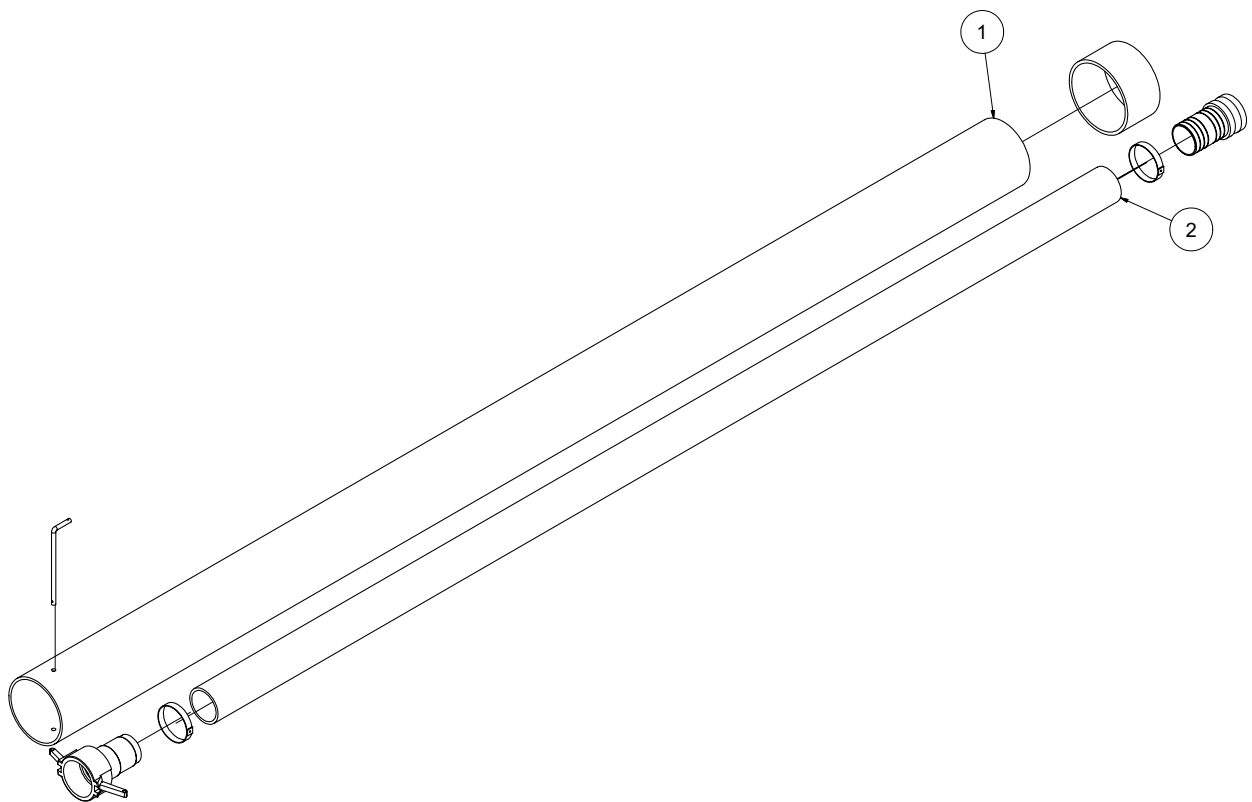


Antifreeze Assembly

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8030394	ANTI-FREEZE TANK 4 GAL.
	4	U000180	SCREW, HC .312 -18 X .750
	4	U200040	WASHER, FLAT 5/16"
	4	U210040	WASHER, LOCK 5/16"
2	1	T400585	REDUCER, 20MP-12FP
3	1	T400800	UNION, 12MP-12MP
4	1	T000185	BALL VALVE, BRASS 3/4" FP

HOSES

3"



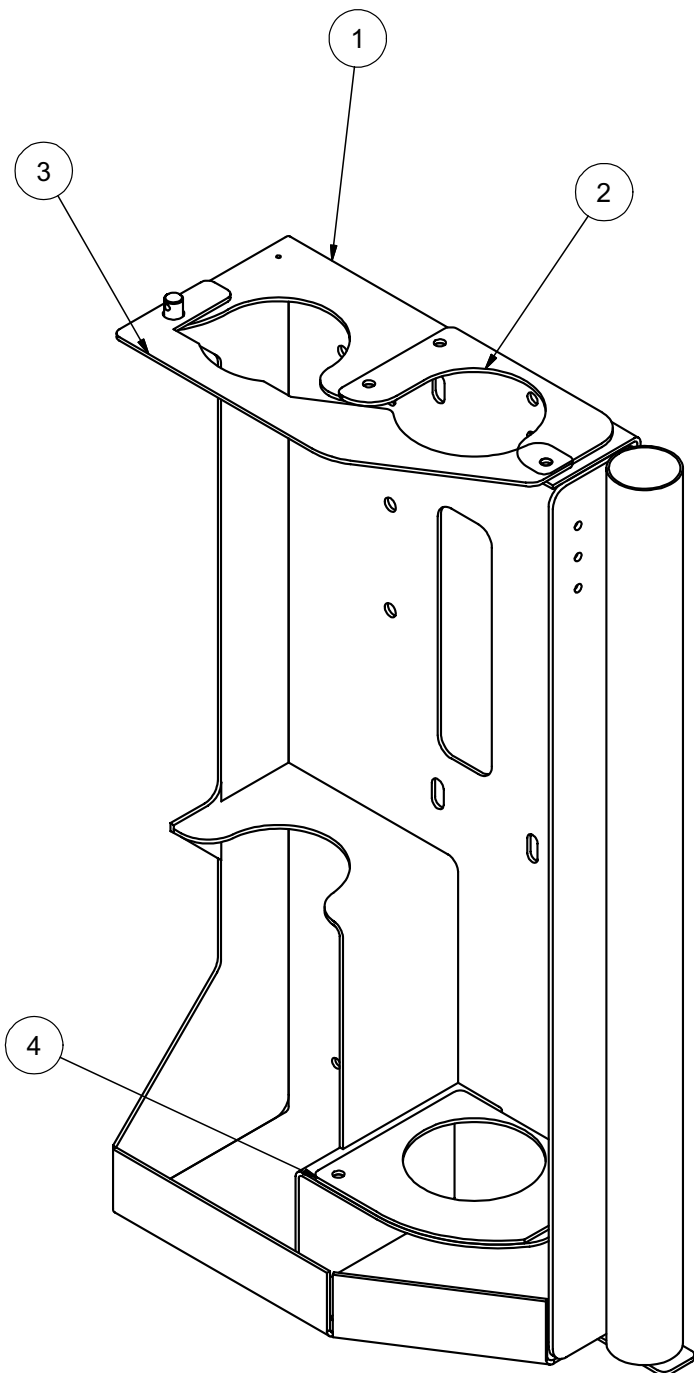
HOSES

3''

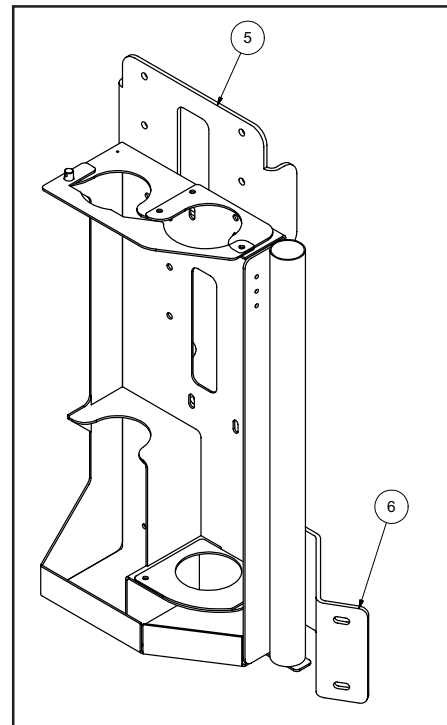
ITEM	QTY	PART NO.	DESCRIPTION
1	1	8041102	6" PVC STORAGE TUBE 10' LG
	1	8030925	END CAP 6"
	1	8041485	LANYARD CABLE
	1	8043198	HOSE STORAGE CLAMP
	2	U200060	WASHER. FLAT 3/8"
	2	U100060	NUT, HEX 3/8"
	1	8041101	HOSE STORAGE RETAINING ROD
	1	R700170	R-CLIP, 1/2 - 5/8 SHANK
	1	8040338	HOSE VAC KANAFLEX 3-110"
	1	8046441	CAMLOCK, 3" AL FCAM X MBARB
2	1	8046440	CAMCOCK, 3" AL MCAM X MBARB
	2	8030356	CLAMP, 4.5" PUNCHLOCK P18-S

Tool Rack Assembly

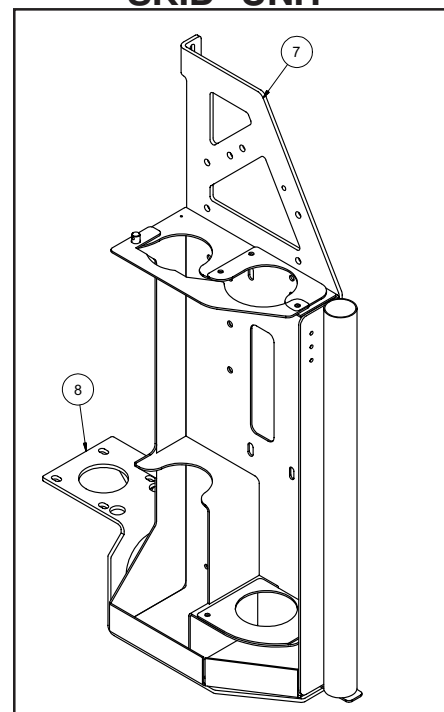
STD



I-BEAM TRAILER



SKID UNIT



090909-E

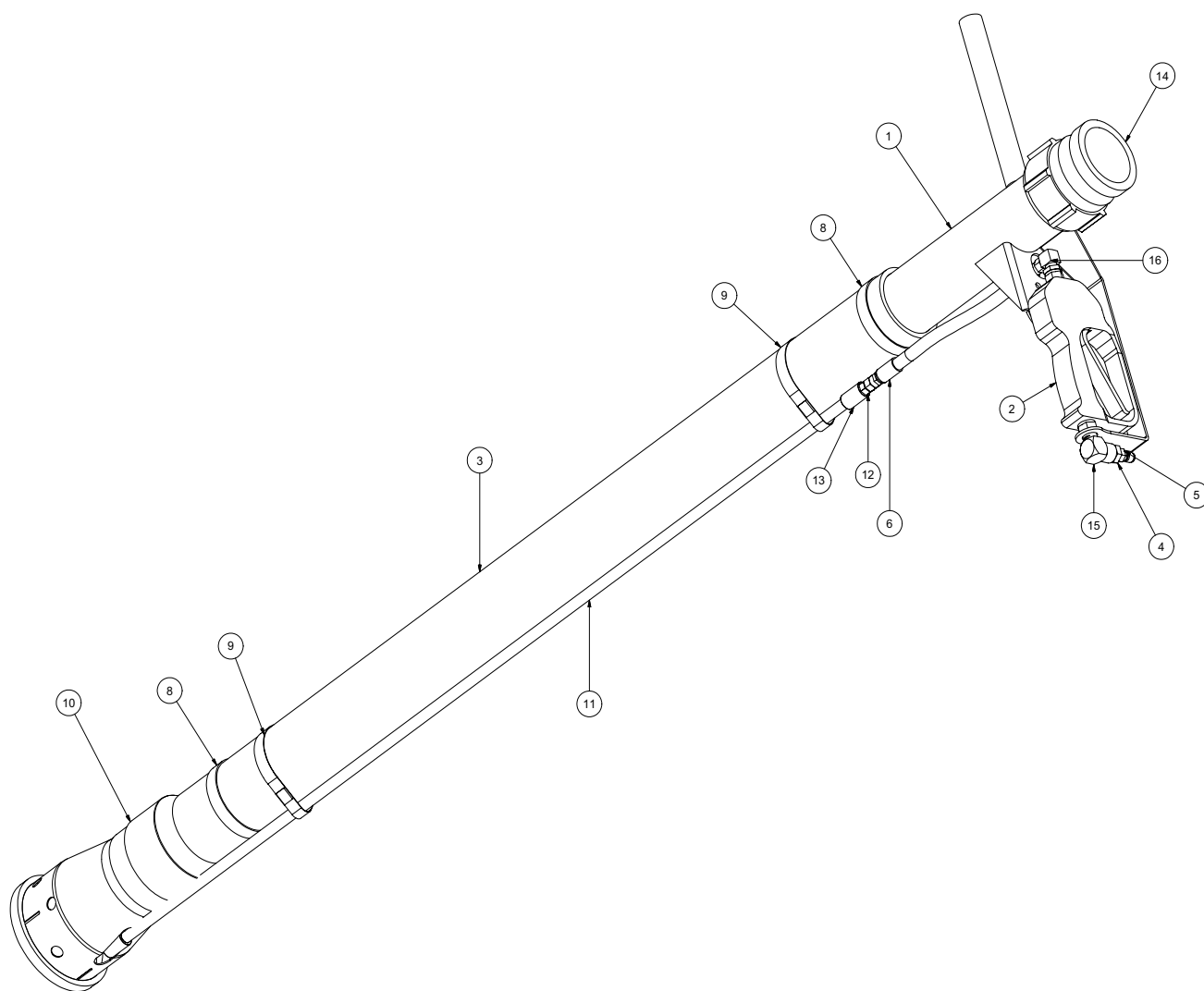
VACASSY757

Tool Rack Assembly

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8040985	TOOL RACK WELDMENT
2	1	8045610	TOOL RACK 3" TOP INSERT
3	1	8040884	TOOL RACK CLOSURE
	1	R700175	R CLIP 7/8"
	1	8041259	STRAP, 10"
	1	8041485	LANYARD CABLE
	1	8041244	CLEVIS PIN 1/2" DIA. 3/4"
4	1	8045609	TOOL RACK BOTTOM INSERT
5	1	8044818	ANTIFREEZE BRACKET (I-BEAM TRAILER)
	4	U000020	SCREW, HC 5/16"-18 X 1.00"
	4	U000180	SCREW, HC 5/16"-18 X .750"
	16	U200040	WASHER, FLAT 5/16"
	8	U210041	NUT, LOCK NY 5/16"
6	1	8044817	TOOL RACK BRACKET (I-BEAM TRAILER)
	3	U000420	SCREW, HC .375"-16 X 1.00"
	3	U120110	NUT, LOCK .375"-16
	6	U200600	WASHER, FLAT .375"
7	1	8041780	ENCLOSURE STIFFENER BRACE (SKID UNITS)
	4	U000040	SCREW, HC 1/4"-20 X .750"
	8	U200020	WASHER, FLAT .250"
	4	U120100	NUT, LOCK .250"
8	1	8043601	TOOL RACK BRACKET (SKID UNITS)
	4	U000420	SCREW, HC .375"-16 X 1.00"
	8	U200060	WASHER, FLAT .375"
	4	U120110	NUT, LOCK .375-16
	2	U000040	SCREW, HC 1/4"-20 X .750"
	4	U200020	WASHER, FLAT .250"
	2	U120100	NUT, LOCK .250"

Tools (Option)

Reduction Tool STD



Tools(Optional)

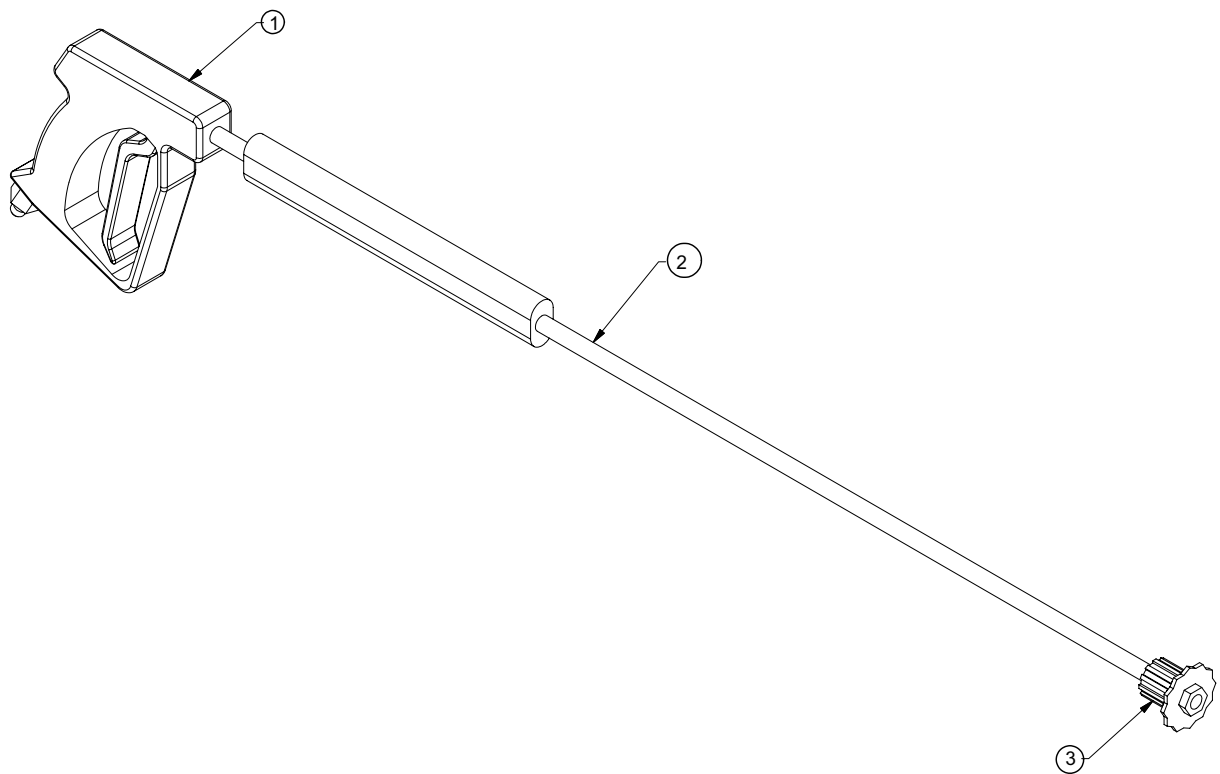
Reduction Tool STD

ITEM	QTY	PART NO.	DESCRIPTION
-	-	8043115	TOOL VAC REDUCTION STD COMPLETE
1	1	8042862	TOOL VAC HEAD ASSY 3"
2	1	8042026	STRAIGHT SPRAY GUN
3	1	8042811	TOOL VAC REDUCTION PVC 3" X 48"
4	1	T400023	UNION 6MP 4FP
5	1	8030486	WATER QD 1/4 MNPT SS
6	2	T320030	FITTING, HOSE 4HO 4FJ
7	1	8031278	HOSE ASSEMBLY REDUCTION TOOL
8	2	8042605	CLAMP HOSE T BOLT 350
9	2	8042855	CLAMP HOSE T BOLT 375
10	1	8030627	TOOL VAC REDUCTION LOWER ASSY
11	1	8043764	VAC WATER SUPPLY TUBE CHROME 1/4NPT
12	1	T400020	UNION 1/4" MP-1/4" MJ STRAIGHT
13	2	T422010	COUPLING PIPE 1/4"FP
14	1	8030391	BANJO 3" MALE 3" FNPT
15	1	T401065	ELBOW, 3/8 MP - 3/8 FP
16	1	T401100	ELBOW 4MP 4MJ 90
*	2	8030370	REDUCTION TOOL NOZZLE
*	2	8031268	REDUCTION TOOL NOZZLE 45 DEG

* NOT SHOWN

Tools

Wash Wand



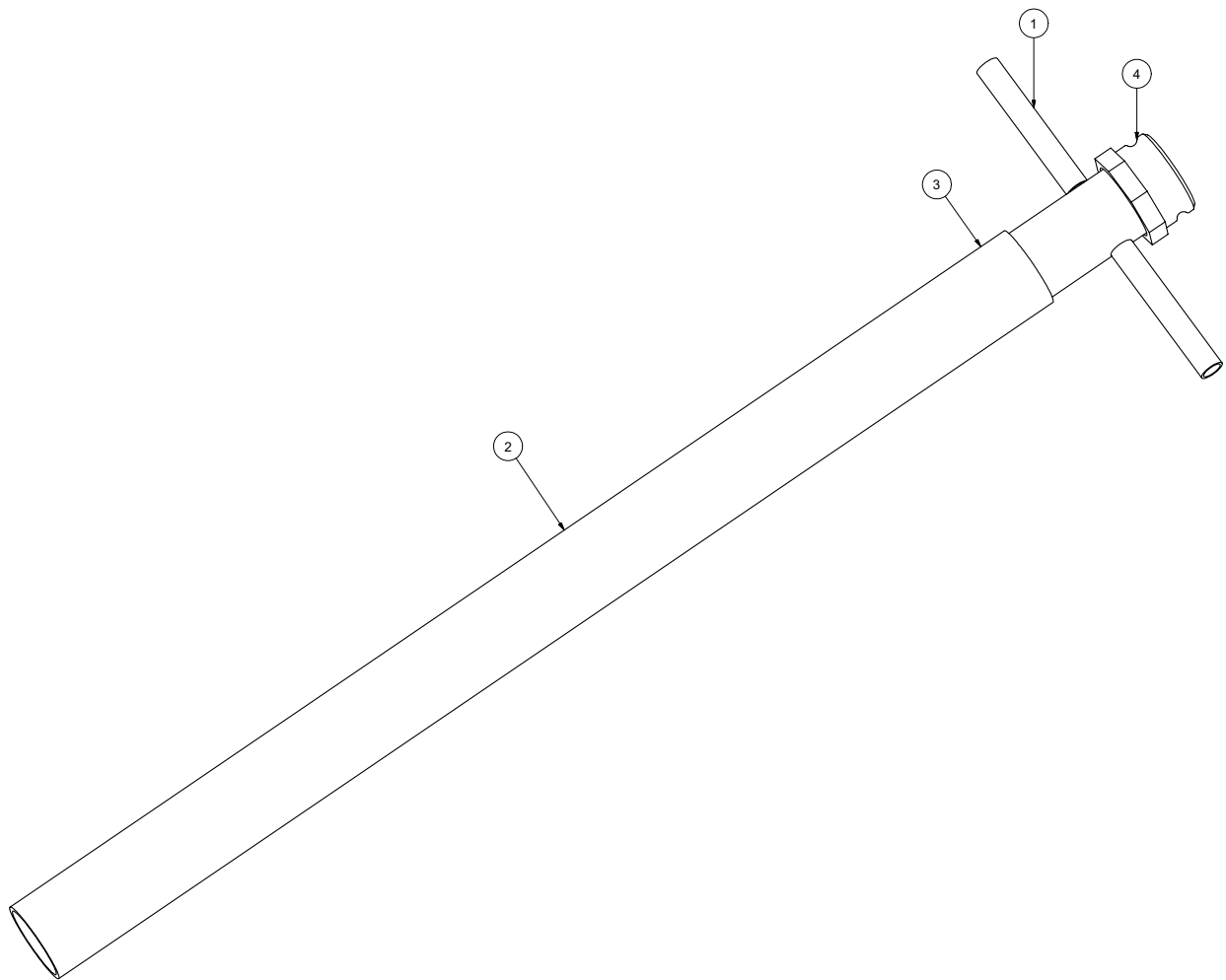
Tools

Wash Wand

Item	Qty	Number	Description
	1	8030348	TOOL VAC SPRAY WAND COMPLETE
1	1	8030928	TRIGGERASSEMBLY
2	1	8030847	WAND
3	1	8031308	NOZZLE,#6 40 DEGREE FOR WAND

Tools

3" Suction Tool



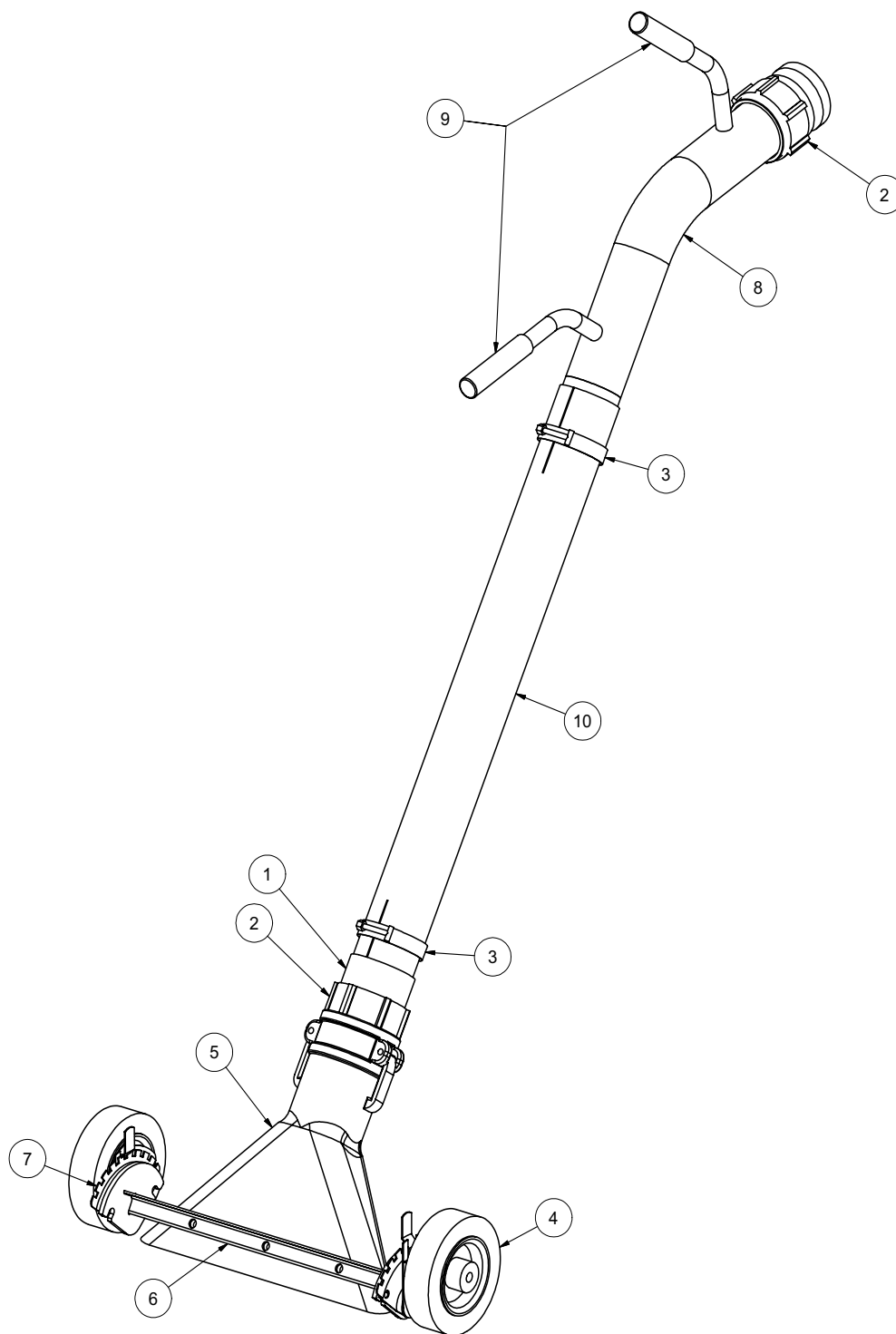
Tools

3" Suction Tool

ITEM	QTY	NUMBER	DESCRIPTION
	1	8030215	TOOL VAC SUCTION 3" COMPLETE
1	1	8030317	TOOL VAC HANDLE ASSEMBLY 3"
2	1	8030313	PVC VACUUM TUBE 3"
3	1	8030356	CLAMP,4"PUNCHLOCK P16-S
4	1	8030391	COUPLING, 3" BANJO

Tools

Lawn Sweeper 3''



071708

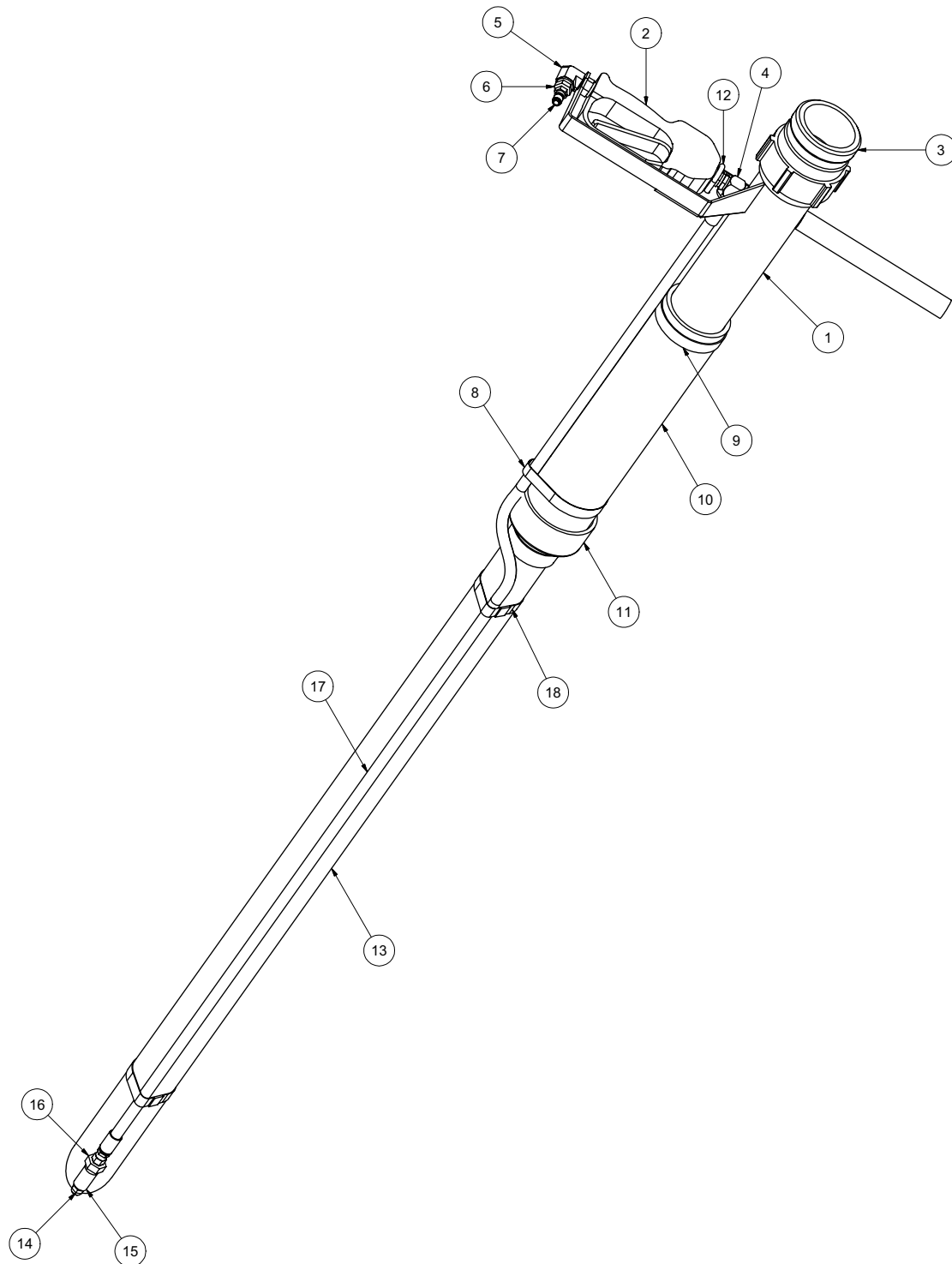
VACASSY713

Tools

Lawn Sweeper 3''

ITEM	QTY	PART #	DESCRIPTION
1	1	8030287	3" HOSE X 3" MNPT ADAPTER
2	2	8030391	BANJO 3" MALE 3" FNPT
3	2	8042605	CLAMP T-BOLT 3" (350)
4	2	8043887	WHEEL 6" PNEUMATIC
5	1	8043925	DUCKBILL 3" ALUMINUM
6	1	8043928	LS WHEEL WELDMENT
7	1	8043931	WHEEL ADJUSTERS (1 LEFT/1 RIGHT)
8	1	8043933	LS HANDLE WELDMENT
9	2	J300080	HANDLE GRIP
10	1	8043932	PVC 3" X 30"

Valve Box Cleanout Tool



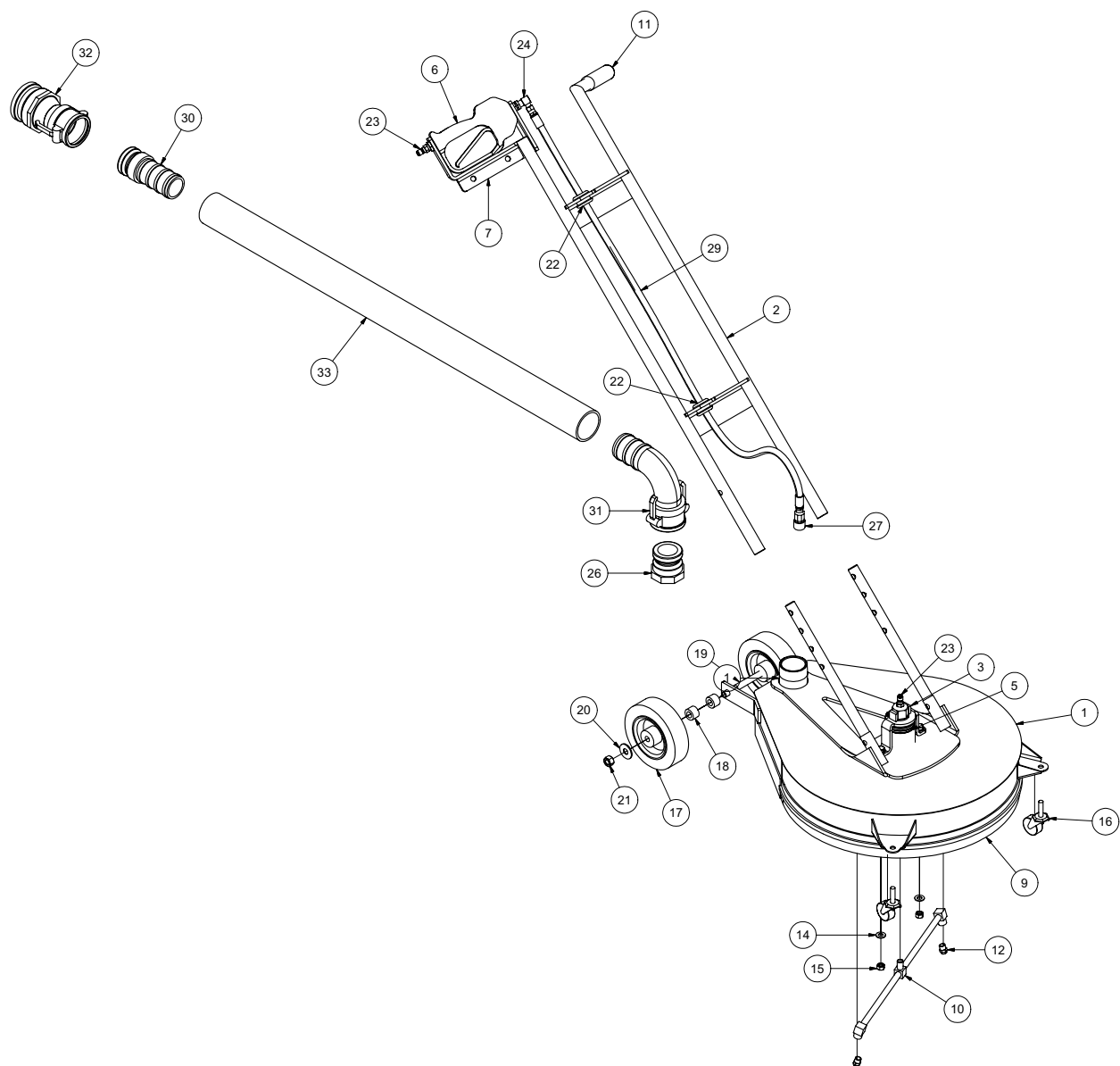
050709

VACASSY714

Valve Box Cleanout Tool

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8042862	REDUCTION TOOL HEAD WELD'T
2	1	8042026	STRAIGHT SPRAY GUN
3	1	8030391	BANJO 3" MALE FNPT
4	1	T401100	ELBOW 4MP 4MJ 90
5	1	T401065	ELBOW, 3/8 MP - 3/8 FP
6	1	T400023	REDUCER 6MP 4FP
7	1	8030486	WATER QD 1/4 MNPT SS
8	1	8042855	CLAMP HOSE T-BOLT 375
9	1	8042605	CLAMP HOSE T-BOLT 350
10	1	8044096	PVC 3" DIA X 9" LONG
11	1	8030669	REDUCER PVC 3" TO 2" SLIP ON
12	1	U010019	U-BOLT 1_4-20 X 3_4 WIDE X 2 1_4 LONG
13	1	8044097	PVC 2" DIA X 42.5" LG
14	1	8031246	NOZZLE, .100 X 0 DEG
15	1	T422010	COUPLING 1/4"FP
16	1	U400020	UNION, 1/4" MP - 1/4" MJ
17	1	8044098	HOSE ASSY VALVE BOX CLEANOUT TOOL
18	2	8045316	CLAMP, HOSE T-BOLT 275

Surface Cleaner

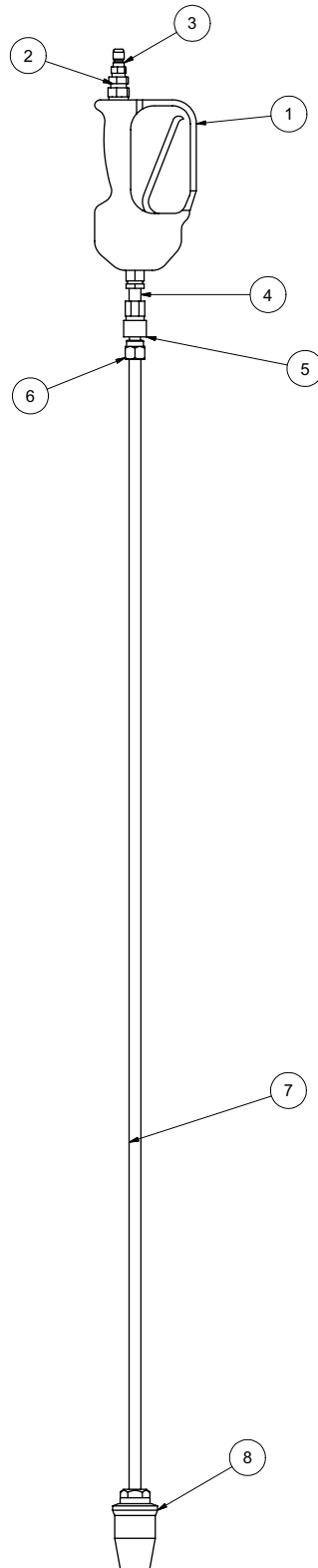


Surface Cleaner

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8041887	SURFACE CLEANER - HEAD ASSY
2	1	8042019	HANDLE ASSY
3	1	8041890	ROTARY RETAINER
4	2	8042022	HANDLE ADJ. TUBE
5	1	8042027	ROTARY HEAD
6	1	8042026	STRAIGHT SPRAY GUN
7	1	8042020	GUN CAPTURE BRACKET
8	1	8043467	SQUEEGEE
9	1	8042030	FLEXIBLE BRUSH
10	1	8042028	ROTARY ARM
11	1	J300080	GRIPHANDLE
12	2	8031419	NOZZLE, #4.0 25 DEG
13	2	U000420	SCREW, HC 3/8-16 X 1.00
14	4	U200600	WASHER, FLAT 3/8"
15	2	U100060	NUT, HEX 3/8-16
16	2	8043387	SWIVEL CASTER 1 5/8"
17	2	8043887	WHEEL 6" PNEUMATIC
18	2	8043591	SURFACE CLEANER REAR WHEEL SPACER
19	1	U001060	SCREW, HC 1/2-13 X 6.0
20	2	U200100	WASHER, FLAT 1/2"
21	1	U120120	NUT, LOCK 1/2-13
22	2	8041686	GROMMET 1"ID- 1 1/4"DOG-1/4"WO
23	2	8030486	WATER QD 1/4 MNPT SS
24	1	T401100	ELBOW 4MP 4MJ 90
25	1	T320030	FITTING, HOSE 4HO 4FJ
26	1	8043389	ADAPTER M2" F THREAD
27	1	8030526	FITTING, QD WATER 1/4"F-1/4"FP
28	1	T320300	FITTING, HOSE 4HO 4MP
29	1	8044108	HOSE VAC SURFACE CLEANER
30	1	8043392	ADAPTER M2" F THREAD
31	1	8043391	REDUCER COUPLER 2"F 90 DEG - 3"M
32	1	8043395	REDUCER COUPLER 2" X 3" ADAPTER
33	1	8043398	HOSE VAC CLEAR 2"
*	2	8043397	CLAMP VAC CLEAR HOSE 2"
*	4	U360020	PIN, U-LOCK 3/8 X 1.5

Tools

Rotary Lance



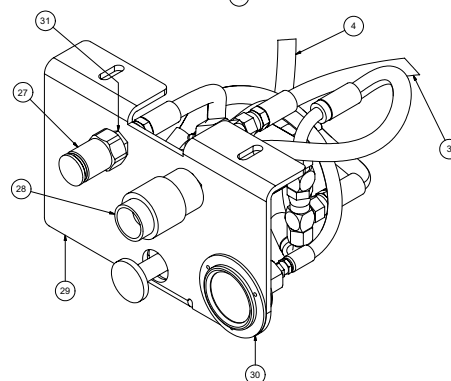
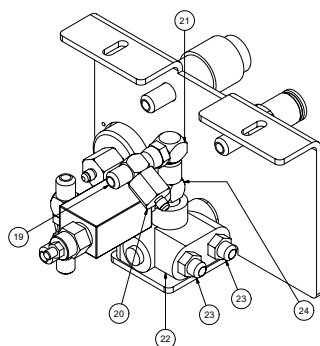
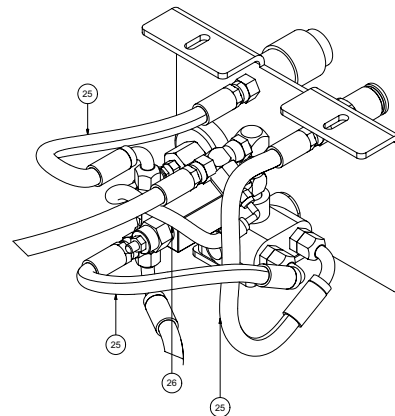
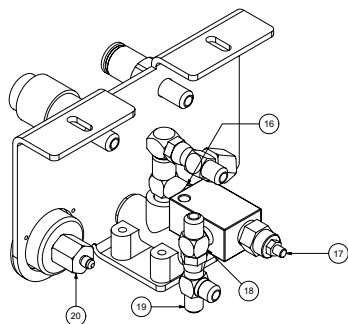
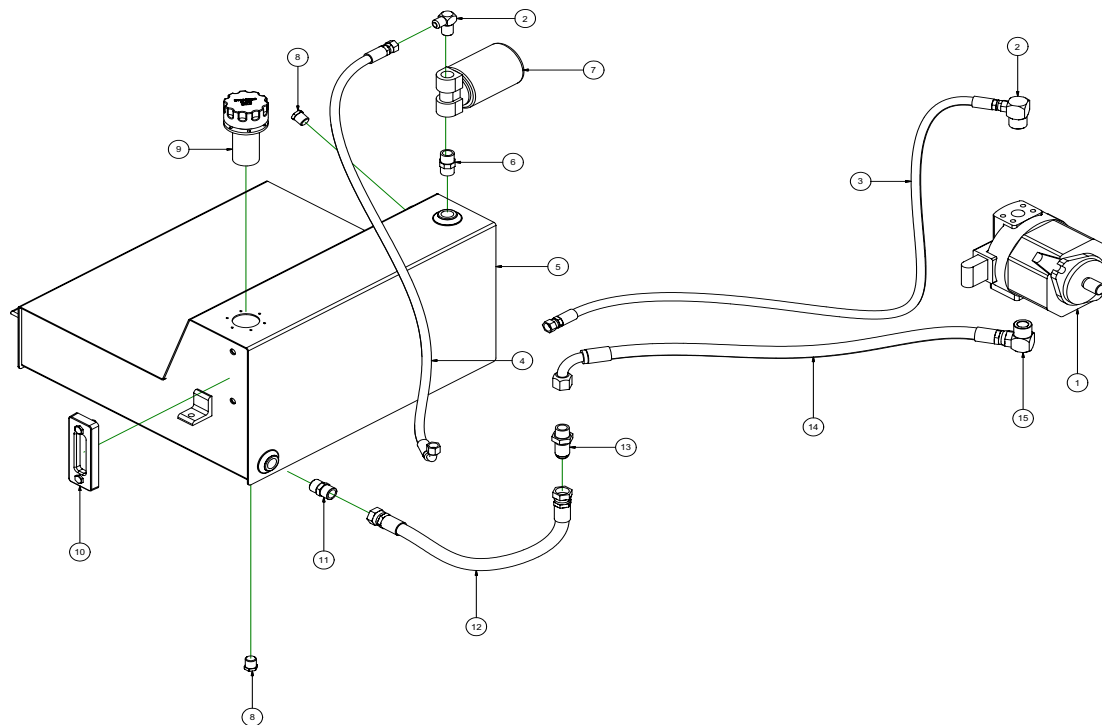
Tools

Rotary Lance

ITEM	QTY	PART NO.	DESCRIPTION
1	1	8042026	STRAIGHT SPRAY GUN
2	1	T400023	UNION 6MP-4FP
3	1	8030486	WATER QD 1/4MNPT SS
4	1	T421010	NIPPLE, CLOSE 1/4"
5	1	8030526	FITTING, QD WATER 1/4F - 1/4"FP
6	1	8030487	WATER QD 1/4 FNPT SS
7	1	8043764	47 INCH LANCE EXT. 1/4NPT X 1/4NPT
8	1	8042691	ROTARY WOBBLE NOZZLE 90

Auxillary Hyd

36 HP Clutched



Auxillary Hyd

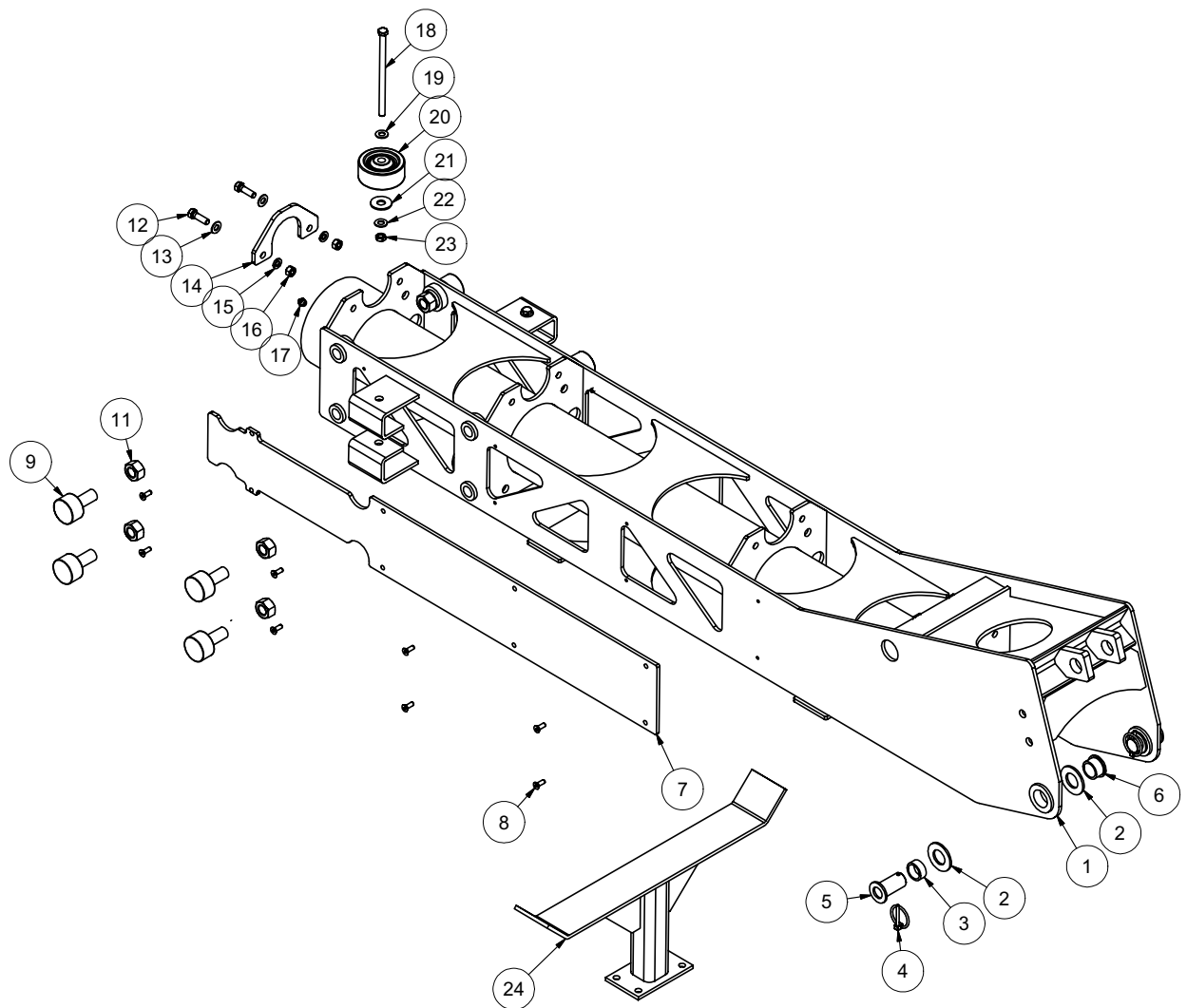
36 HP Clutched

ITEM	QTY	PART	DESCRIPTION
1	1	8043215	AUX. HYD PUMP
	1	8043216	CLUTCH ADAPTER
	1	8043217	CLUTCH
	1	8043269	PUMP BRACKET
2	1	T400260	REDUCER, 1"MB - 3/4"MJ
3	1	8041868	HOSE ASSY VAC 8-130 ST-ST
4	1	8041869	HOSE ASSY VAC 8-100 ST-90
5	1	8041143	HYDRAULIC TANK
6	1	T400800	UNION, HEX 12MP - 12MP
7	1	T700080	FILTER, HYD ASSY
	1	T700090	FILTER ELEMENT
8	2	T405065	PLUG, 3/4"MP
9	1	2050068	CAP ASSY HYD TANK
10	1	T720115	GUAGE, SIGHT, HYD OIL
11	1	T400100	UNION, 3/4"MP - 3/4"MJ
12	1	8041488	HOSE ASSY VAC 12-30 ST-90
13	1	T400386	BULKHEAD, 3/4"MJ - 3/4"MJ
14	1	8041487	HOSE ASSY VAC 12-12 90-90
15	1	T400200	REDUCER, 3/4"MB - 1/2"MJ
16	1	T404020	UNION, 1/2"MP - 1/2"MP
17	1	8041829	RELIEF VALVE
18	1	T402120	TEE, 1/2"MJ - 1/2"MP - 1/2"MJ
19	2	T402155	TEE, 1/2"FJ - 1/2"MJ - 1/2"MJ
20	2	T400700	REDUCER, 1/2"FJ - 1/4"MJ
21	1	T401140	ELBOW, 1/2"MP - 1/2"MJ
22	1	T000200	SELECTOR VALVE
23	2	T400040	UNION, 1/2"MP - 1/2"MJ
24	1	T402156	TEE, 1/2"MP - 1/2"FP - 1/2"FP
25	3	8041492	HOSE ASSY VAC 8-18 ST-90
26	1	8041494	HOSE ASSY VAC 4-18 ST-90
27	1	8030662	Q.D. MALE DRIPLESS 1/2"
28	1	8030663	Q.D. FEMALE DRIPLESS 1/2"
29	1	8041149	AUX HYD CONSOLE - MTG PLATE
30	1	HM00092	PRESSURE GUAGE
31	2	T400396	BULKHEAD, 1/2"MP - 1/2"MJ
*	1	J200002	DECAL SHEET

* NOT SHOWN

PIVOT ARM

BOOM



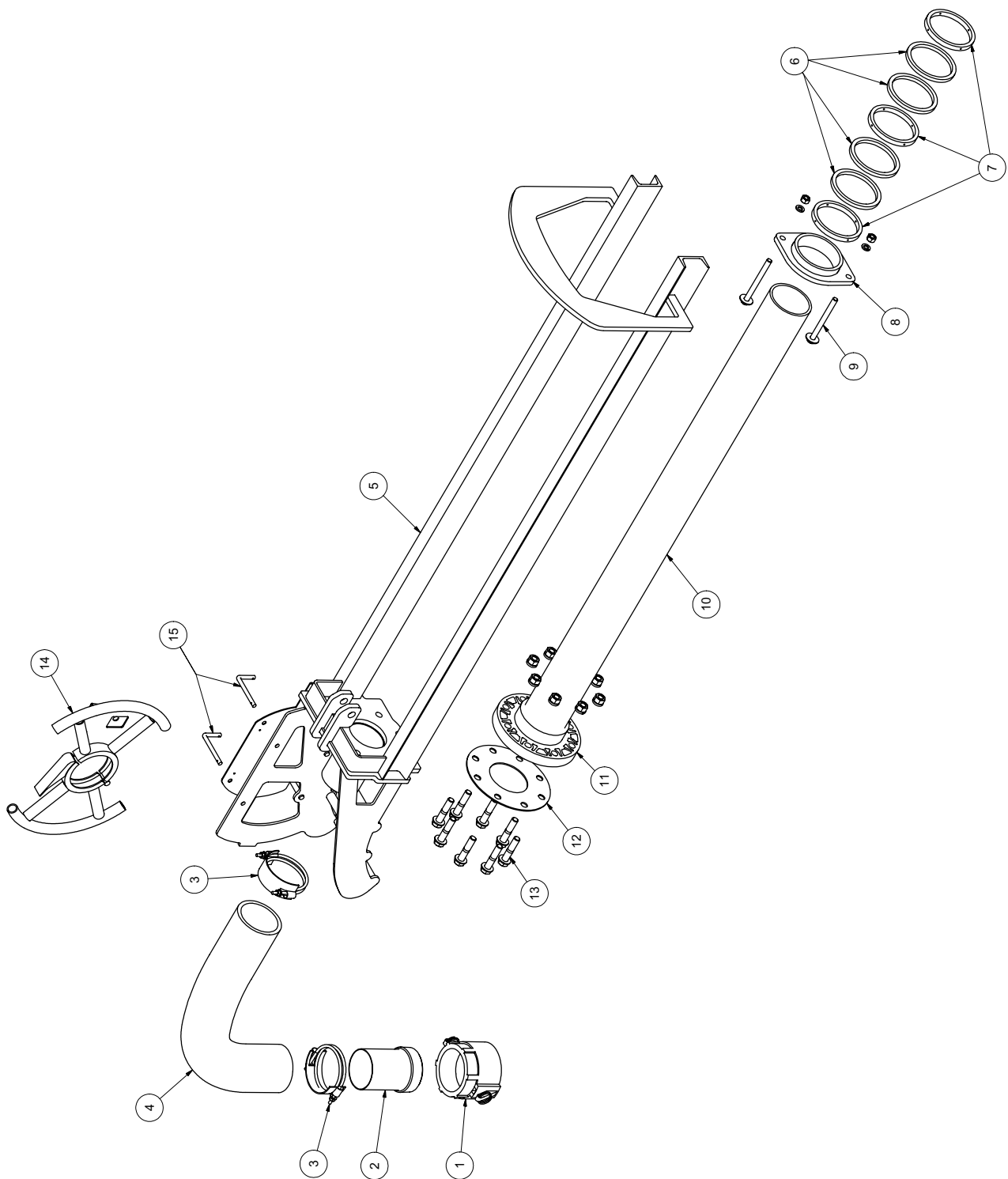
PIVOT ARM

BOOM

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8041950	PIVOT ARM
2	6	U200170	WASHER FLAT 1.0"
3	2	8042101	BUSHING BRONZE 1.25"X1.00"X0.50" PLN
4	10	U340050	PIN LINCH 3/16 X 1-9/16
5	2	8042124	PIN
6	2	8041883	BUSHING BRONZE 1.25"X1.00"X0.63" FLG
7	2	8041986	GLIDE SHEET
8	16	U030015	SCREW SFH .250-20 X .750
9	8	W000050	ROLLER
11	8	U120151	NUT,JAM NYLON LOCK .750-16
12	12	U000440	SCREW HC .375-16 X 1.25
13	2	U200600	WASHER FLAT 3/8"
14	1	8041956	CYLINDER RETAINER
15	2	U210060	WASHER LOCK 3/8"
16	2	U100060	NUT HEX .375-16
17	1	T500100	GREASE FITTING
18	2	U001040	SCREW HC .500-13X6.50
19	2	U200100	WASHER FLAT 1/2"
20	2	8030226	WHEEL
21	2	U200100	WASHER FLAT 1/2"
22	2	U200100	WASHER FLAT 1/2"
23	2	U120120	NUT LOCK .500-13
24	1	8044560	CRADLE, V500 (11 1/4")
	1	8043769	CRADLE, V800-V1200 (8 3/8")

EXTENSION ARM

BOOM



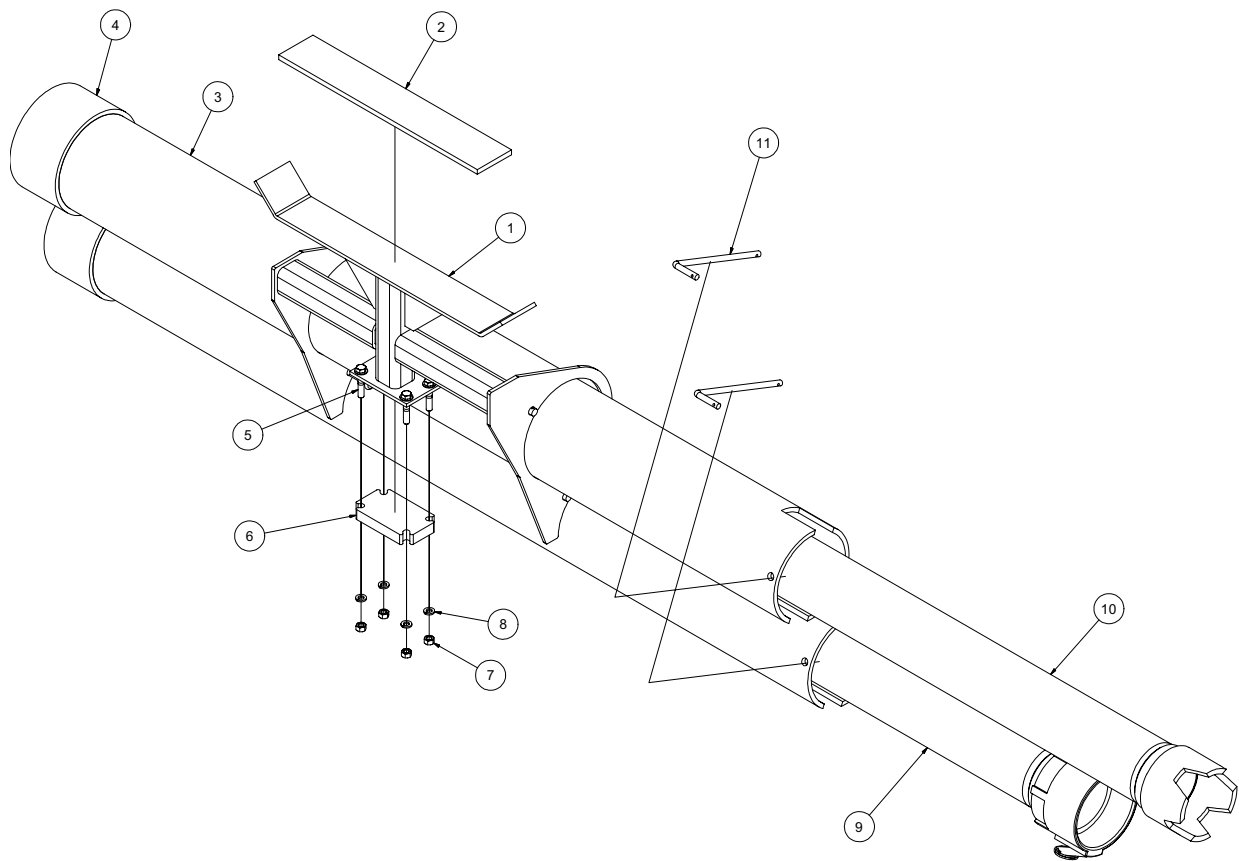
EXTENSION ARM

BOOM

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8030846	4" FEMALE COUPLER
2	1	8045239	UNION EXHAUST 4" OD-MNPT
3	2	8042606	CLAMP T-BOLT 450
4	1	8045800	HOSE VAC AG SUCTION 4-18
5	1	8041960	EXTENSION ARM
6	4	8041947	PACKING RING
7	3	8041945	PLASTIC SLEEVE
8	1	8041963	PACKING GLAND
9	2	U001020	SCREW HC 1/2-13 X 5.50
	2	U200100	WASHER FLAT 1/2"
	2	U210100	WASHER LOCK 1/2"
	2	U100120	NUT HEX 1/2-13
10	1	8042160	4" PVC TUBE X 60" LONG
11	1	8041937	4" PVC FLANGE
12	1	8041938	GASKET
13	8	U001250	SCREW HC 5/8-11 X 3.00
	8	U200140	WASHER FLAT 5/8"
	8	U210140	WASHER LOCK 5/8"
	8	U100180	NUT HEX 5/8-11
14	1	8043647	BOOM HANDLE
	2	8042971	RUBBER STRIP
15	2	8043947	CAPTURE PIN
	2	R700160	R CLIP
	2	8041485	LANYARD CABLE

CRADLE AND HOSE STORAGE

BOOM



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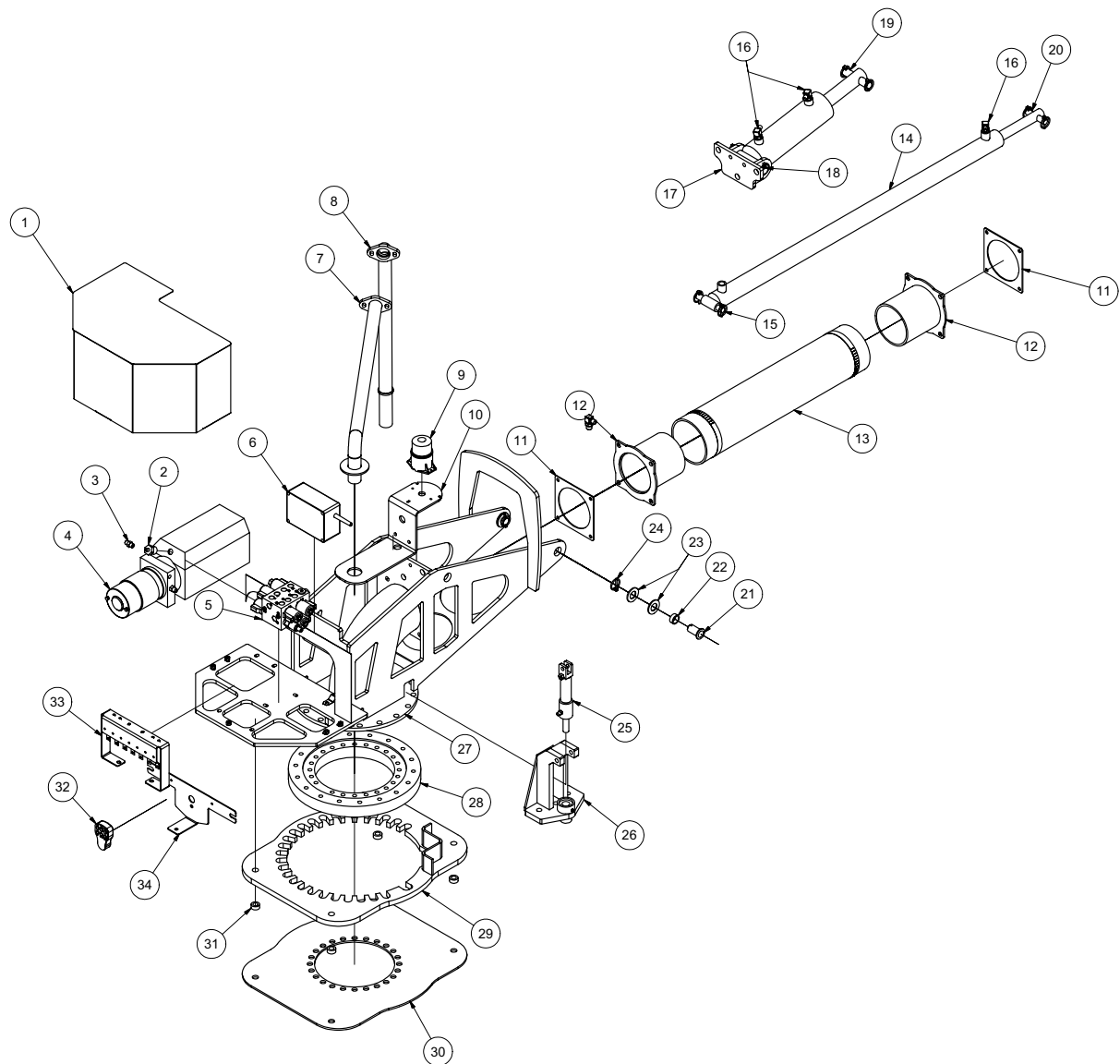
CRADLE AND HOSE STORAGE

BOOM

ITEM	QTY	NUMBER	DESCRIPTION
1	1	8042009	BOOM CRADLE
2	1	8042358	BOOM CRADLE RUBBER PAD
3	2	8042160	HOSE STORAGE TUBE
	2	8043198	CLAMP T-BOLT 700
4	2	8030925	PIPE CAP 6" PVC
5	4	U000500	SCREW 3/8-16 X 2.00
	8	U200600	WASHER FLAT 3/8"
6	1	8042378	BOOM CRADLE SPACER
7	4	U100060	NUT HEX 3/8-16
8	4	U210060	WASHER LOCK 3/8"
9	1	8042137	BOOM HOSE EXTENSION (5FT)
	1	8041781	BOOM EXTENSION HOSE
	2	8030560	HOSE COUPLING WELDMENT 4"
	1	8030846	4" FEMALE COUPLER
	1	8030844	4" MALE COUPLER
	2	8042606	CLAMP T-BOLT 450
10	1	8042138	BOOM HOSE EXTENSION WITH CROWN (5FT)
	1	8041781	BOOM EXTENSION HOSE
	2	8030560	HOSE COUPLING WELDMENT 4"
	1	8042071	CROWN COUPLING 4"
	1	8030844	4" MALE COUPLER
	2	8042606	CLAMP T-BOLT 450
11	2	8041101	HOSE STORAGE RETAINER PIN
	2	R700160	R CLIP
	2	8041485	LANYARD CABLE

TURRET

BOOM MANUAL ROTATION



TURRET

BOOM MANUAL ROTATION

ITEM	QTY	PART #	DESCRIPTION			
1	1	8043090	BOOM GUARD			
2	1	T403018	REDUCER 12MP-4MJ			
3	2	T400037	UNION 6MB-6MJ			
4	1	8041601	PUMP HYD. 12V 6QT			
5	1	8043578	MANIFOLD ASSY BOOM			
6	1	8041914	BOOM - RC RECEIVER 6-RELAY			
*		8042427	BOOM - RC RECEIVER 8-RELAY			
7	1	8043245	BOOM CABLE TUBE WELDMENT			
8	1	8045080	BOOM CABLE TUBE VERTICAL WELDMENT			
9	1	8043139	STROBE LIGHT			
10	1	8041932	BOOM - TURRET STROBE LIGHT PLATE			
11	2	8041988	BOOM - FLANGE GASKET			
12	2	8041958	BOOM - FLEX HOSE ADAPTER WELDMENT			
13	1	8043678	HOSE AG SUCTION 6-30			
	2	8042104	HOSE CLAMP 6IN T-BOLT	PORT	PART#	DESCRIPTION USED ON
14	1	8030359	CYLINDER, HYD. 3" X 20" VAC'S			
	1	8043782	HYD. HOSE EXTEND 6-77 ST-90	1.1	8043584	3-WAY VALVE ALL
	1	8043783	HYD. HOSE RETRACT 6-114 ST-90	1.2	8043584	3-WAY VALVE ALL
15	1	8042122	BOOM - EXT. CYLINDER BASE PIN	1.3	8043584	3-WAY VALVE ALL
	2	U340050	PIN LINCH 3/16 X 1 9/16"	1.4	8043584	3-WAY VALVE ALL
16	4	T401270	ELBOW, 90 1/2"MB - 3/8"MJ	3.2	8043586	CHECK VALVE MANUAL ROTATION
17	1	8042887	AJUSTABLE CLEVIS - BOOM	4.2	8042302	PRESSURE SWITCH MANUAL ROTATION
18	1	8041977	BOOM - PIVOT CYLINDER BASE PIN			1000 PSI, N/C
	2	U340050	PIN LINCH 3/16 X 1 9/16"	5	8043587	RELIEF VALVE ADJ ALL
19	1	8041990	BOOM - PIVOT CYLINDER ROD PIN	7	8043585	2-WAY VALVE N/O MANUAL ROTATION
	2	U340050	PIN LINCH 3/16 X 1 9/16"			
20	1	8042350	BOOM - EXT. CYLINDER RD PIN			
	2	U340050	PIN LINCH 3/16 X 1 9/16"			
21	2	8042124	BOOM - TURRET PIVOT PIN			
22	2	8042101	BUSHING BRONZE 1.25" X 1.00" X .50"LG			
23	4	U200170	WASHER, FLAT 1"			
24	2	U340050	PIN LINCH 3/16 X 1 9/16"			
25	1	8043052	BRAKE CYLINDER			
	1	T400801	PLUG, BREATHER 1/4"NPT			
	1	T402020	UNION 4MJ-4MP			
26	1	8045157	BOOM MANUAL BRAKE WELDMENT			
	1	T500080	FITTING, GREASE 3/16"			
27	1	8042240	BOOM - TURRET WELDMENT			
	2	8041686	GROMMET 1"ID - 1 1/4"DOG - 1/4"WO			
	6	U001281	SCREW, HC .625 - 11 X 3.50"			
	6	U120020	NYLON LOCK NUT .625-11			
	12	U200140	WASHER FLAT .625			
28	1	8042234	SWIVEL BEARING			
*	3	T500020	FITTING, GREASE .125 STRAIGHT (2 FITTINGS IN INNER RING, 1 IN OUTER RING)			
29	1	8045195	BOOM MOUNT BRAKE RING			
30	1	8043021	BOOM - LOWER STOP DISC			
31	4	8030315	SKID - WATER TANK CLEVIS TUBE			
32	1	8042426	RC TRANSMITTER (w/ GRAPHIC OVERLAYS)			
*	1	X200006	BOOM WIRING HARNESS			
*	1	8041911-1	RUBBER 6-BUTTON PAD			
*	1	8043075	DECAL OVERLAY			
*		8042428	RC TRANSMITTER 8 BUTTON (w/ GRAPHIC OVERLAYS)			
33	1	8043639	BRACKET BOOM ELECTRONIC			
	7	X000320	DEUTSCH DIODE RECEPTACLE			
	1	8040185	RELAY			
	2	8043690	TIME RELAY 2 SEC N/C			
34	1	8044553	WORK LIGHT W/ DUETSCH CONNECTOR BUILT BRACKET			

* NOT SHOWN

BOOM MANUAL ROTATION REV. FLOW



TURRET

BOOM MANUAL ROTATION REV. FLOW

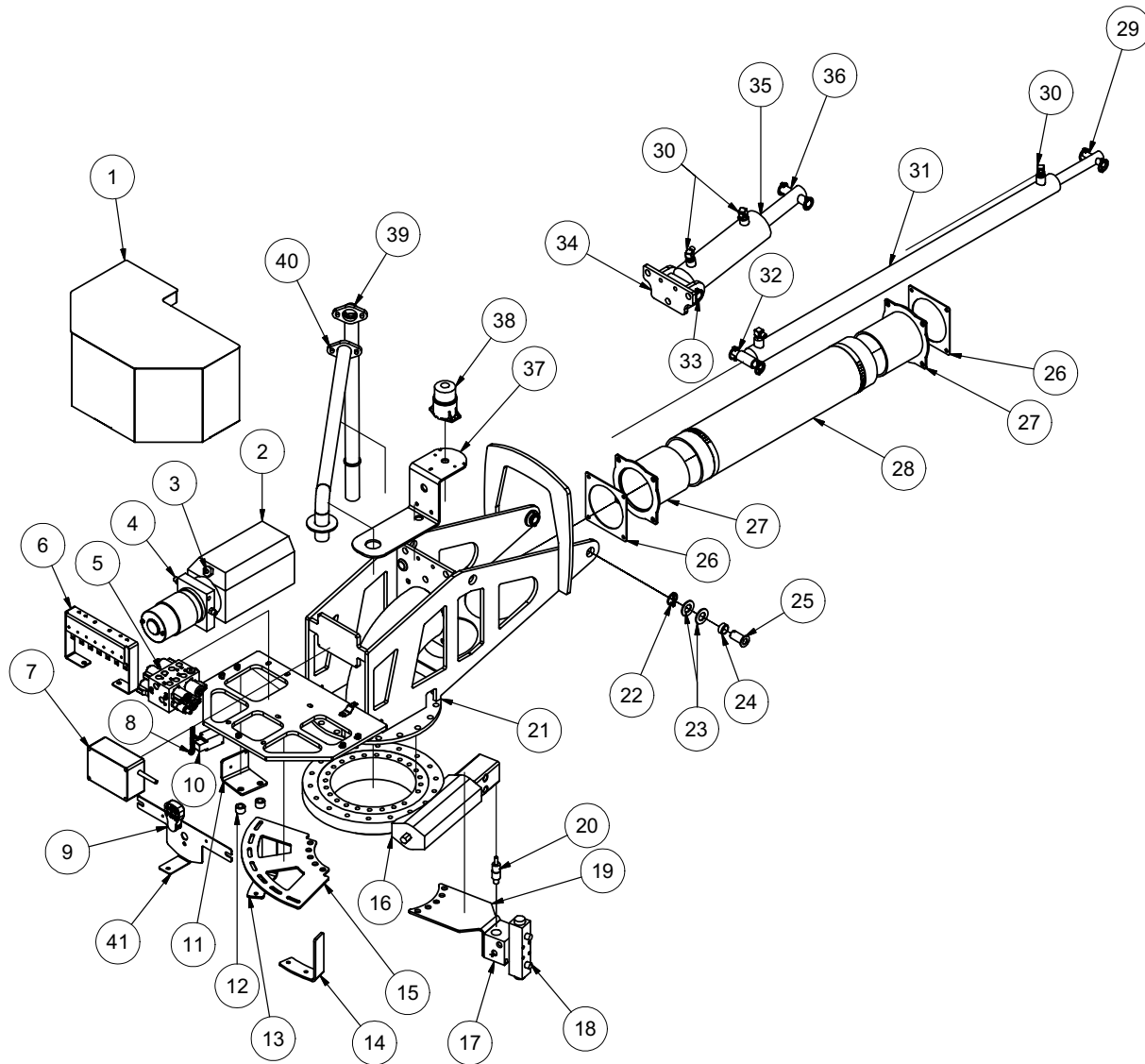
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	8043090	BOOM GUARD	28	1	8042122	BOOM - EXT. CYL. BASE PIN
2	1	8043639	BRACKET BOOM ELECTRONIC	29	1	8041977	BOOM - PIVOT CYL. BASE PIN
	7	X000320	DEUTSH DIODE RECEPTACLE	30	1	8041990	BOOM - PIVOT CYL. ROD PIN
	1	8040185	RELAY	31	1	8042887	ADJUSTABLE CLEVIS - BOOM
	2	8043690	TIME RELAY	32	1	8045191	STROBE LIGHT PLATE
3	2	T400037	UNION 6MB-6MJ	33	1	8043139	STROBE LIGHT
4	1	T403018	REDUCER 12MP-4MJ	34	1	8045080	BOOM CABLE TUBE VERTICAL
5	1	8045355	PUMP, HYD. 12V VAC 6QT	35	1	8044504	BOOM CABLE EXT. HORZ.
6	6	T401270	ELBOW, 90 1/2"MB - 3/8"MJ	36	1	8044507	CLEANOUT COVER BOOM WELD'T
7	1	8041327	CYLINDER, HYD. DOOR & REV FLOW	12		U000420	SCREW, HC 3/8"-16 X 1"
	2	W201020	WIPER, CYLINDER ROD, 1 1/8" ROD	12		U210060	WASHER, LOCK 3/8"
	1	8044480	SEAL PLATE WELDMENT	12		U200600	WASHER, FLAT 3/8"
	1	8044482	BOOM SHUTOFF SEAL	37	1	8044475	BOOM TURRET SHUTOFF -
	1	8044483	BOOM SHUTOFF SEAL PLATE SHIELD				CLEANOUT COVER GASKET
	1	U001570	SCREW, HC 1"-8 X 5.00	38	1	8044553	WORK LIGHT W/ DUETSCH
	1	U120060	NUT, LOCK NY 1 - 8				CONNECTOR BUILT BRACKET
8	1	8042426	RC TRANSMITTER (w/ GRAPHIC OVERLAYS)				
*	1	8045653	BOOM REMOTE METAL CLIP				
*	1	X200006	BOOM WIRING HARNESS				
*	1	8041911-1	RUBBER 6-BUTTON PAD	*	1	X300200	CABLE BATTERY GND 1GA 600"
*	1	8043075	DECAL OVERLAY	*	1	X300201	CABLE BATTERY HOT 1GA 600"
*		8042428	RC TRANSMITTER 8 BUTTON				
9	1	8043580	MANIFOLD ASSY BOOM				
10	1	8042234	SWIVEL BEARING	*		NOT SHOWN	
*	3	T500020	FITTING, GREASE. 125 STRAIGHT (2 FITTINGS IN INNER RING, 1 IN OUTER RING)				
11	1	8045195	BOOM MOUNT BRAKE RING				
12	4	8030315	SKID - WATER TANK CLEVIS TUBE				
13	1	8043021	BOOM - LOWER STOP DISC				
14	1	8045139	BOOM TURRET SHUTOFF WELDMENT				
	6	U001281	SCREW, HC .625-11 X 3.50"				
	6	U120020	NYLON LOCK NUT .625-11				
	12	U200140	WASHER, FLAT .625				
15	1	8041915	BOOM - RC RECEIVER 8-RELAY				
		8041916	ANTENNA, BOOM 3" STRAIGHT				
16	1	8045157	BOOM MANUAL BRAKE WELD'T				
	1	T500080	FITTING, GREASE 3/16"				
17	1	8043052	BRAKE CYLINDER				
	1	T400801	PLUG, BREATHER 1/4"NPT				
	1	T402020	UNION 4MJ-4MP				
18	2	8042812	GROMMET 2"ID3"OD 1/4"WOG				
19	2	8041988	BOOM FLANGE GASKET				
20	2	8041958	BOOM - FLEX HOSE ADAPTER WELD'T				
21	10	U340050	PIN LINCH 3/16" X 1 9/16"				
22	4	U200170	WASHER, FLAT 1"				
23	2	8042101	BUSHING BRONZE 1.25" X 1.00" X .50"LG				
24	2	8042124	BOOM - TURRET PIVOT PIN				
25	1	8043678	HOSE AG SUCTION 6-30				
	2	8042104	HOSE CLAMP 6IN T-BOLT				
26	1	8042350	BOOM - EXT. CYLINDER ROD PIN				
27	1	8030359	CYLINDER, HYD 3" X 20" VAC'S				
	1	8043782	HYD. HOSE EXTEND 6-77 ST-90				

BOOM MANIFOLD CAVITY IDENTIFICATION

PORT	PART#	DESCRIPTION	USED ON
1.1	8043584	3-WAY VALVE	ALL
1.2	8043584	3-WAY VALVE	ALL
1.3	8043584	3-WAY VALVE	ALL
1.4	8043584	3-WAY VALVE	ALL
1.5	8043584	3-WAT VALVE	REVERSE FLOW
1.6	8043584	3-WAY VALVE	REVERSE FLOW
3.2	8043586	CHECK VALVE	MANUAL ROTATION
4.2	8042302	PRESSURE SWITCH	MANUAL ROTATION
		1000 PSI, N/C	
5	8043587	RELIEF VALVE ADJ	ALL
7	8043585	2-WAY VALVE N/O	MANUAL ROTATION

TURRET

BOOM HYDRAULIC ROTATION



TURRET

BOOM HYDRAULIC ROTATION

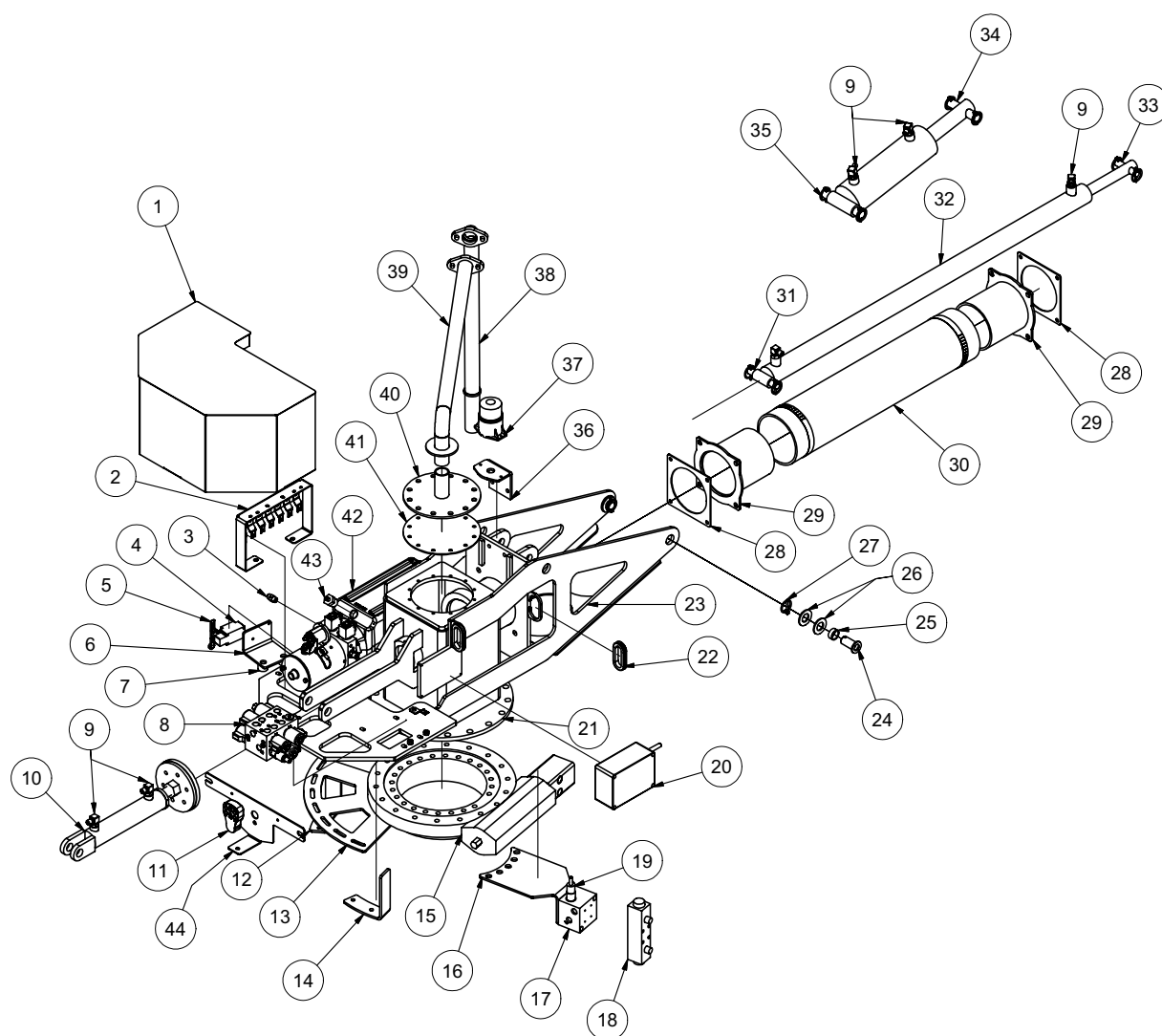
ITEM	QTY	PART #	DESCRIPTION
1	1	8043090	BOOM GUARD
2	1	8041601	PUMP HYD. 12V 6QT
3	1	T403018	REDUCER 12MP-4MJ
4	2	T400037	UNION 6MB-6MJ
5	1	8043674	BOOM MANIFOLD
	4	8043584	3-WAY VALVE
6	1	8043639	BRACKET BOOM ELECTRONICS
7	1	8041914	BOOM - RC RECEIVER 6-RELAY
*		8042427	BOOM - RC RECEIVER 8-RELAY
8	1	8042432	LIMIT SWITCH ADJ LOWER
9	1	8042426	RC TRANSMITTER (w/GRAPHIC)
*	1	X200006	BOOM WIRING HARNESS
*	1	8041911-1	RUBBER 6-BUTTON PAD
*	1	8041922	DECAL OVERLAY
*		8042428	RC TRANSMITTER 8-BUTTON (w/GRAPHIC)
10	1	8042431	LIMIT SWITCH (LEVER NOT INCLUDED)
11	1	8042360	BOOM - LIMIT SWITCH BRACKET
12	2	8042376	BOOM - LIMIT SWITCH BRACKET SPACER
13	1	8042357	BOOM - ROTATION STOP BRACKET
14	1	8042359	BOOM - ROTATION STOP BRACKET (OPP)
15	1	8042351	BOOM - ROTATION STOP BASE PLATE
16	1	8042231	SLEW DRIVE - ASSEMBLY
*	3	T500020	FITTING, GREASE. 125 STRAIGHT (2 FITTINGS IN INNER, 1 IN OUTER RING)
17	1	8041974	VALVE MANIFOLD BOOM HYD. ROT.
18	1	8041971	VALVE DIRECTIONAL BOOM HYD. ROT.
19	1	8042344	TANK - BOOM HYD. MANIFOLD MTG PLATE
20	1	8041973	VALVE RELIEF BOOM HYD ROT.
21	1	8042240	BOOM - TURRET WELDMENT
22	2	U340050	PIN LINCH 3/16" X 1 9/16"
23	4	U200170	WASHER, FLAT 1"
24	2	8042101	BUSHING BRONZE 1.25" X 1.00" X .50" LG
25	2	8042124	BOOM - TURRET PIVOT PIN
26	2	8041988	BOOM - FLANGE GASKET
27	2	8041958	BOOM - FLEX HOSE ADAPTER WELDMENT
28	1	8043678	HOSE AG SUCTION 6-30
	2	8042104	HOSE CLAMP 6IN T-BOLT
29	1	8042350	BOOM - EXT. CYLINDER PIN
	2	U340050	PIN LINCH 3/16" X 1 9/16"
30	4	T401270	ELBOW, 90 1/2" MB - 3/8" MJ
31	1	8030359	CYLINDER, HYD 3" X 20" VAC'S
	1	8043782	HYD. HOSE EXTEND 6-77 ST-90
	1	8043783	HYD. HOSE RETRACT 6-114 ST-90
32	1	8042122	BOOM - EXT. CYLINDER BASE PIN
	2	U340050	PIN LINCH 3/16" X 1 9/16"
33	1	8041977	BOOM - PIVOT CYLINDER BASE PIN
	2	U340050	PIN LINCH 3/16" X 1 9/16"
34	1	8042887	ADJUSTABLE CLEVIS - BOOM
35	1	8030359	BOOM - CYLINDER SHORT BASE END
36	1	8041990	BOOM - PIVOT CYLINDER ROD PIN
37	1	8041932	BOOM - TURRET STROBE LIGHT PLATE
38	1	8043139	STROBE LIGHT
39	1	8045080	BOOM CABLE TUBE VERTICAL WELDMENT
40	1	8043245	BOOM CABLE TUBE WELDMENT
41	1	8044553	WORK LIGHT W/ DUETSCH CONNECTOR BUILT BRACKET

BOOM MANIFOLD CAVITY IDENTIFICATION

PORT	PART#	DESCRIPTION	USED ON
1.1	8043584	3-WAY VALVE	ALL
1.2	8043584	3-WAY VALVE	ALL
1.3	8043584	3-WAY VALVE	ALL
1.4	8043584	3-WAY VALVE	ALL
5	8043587	RELIEF VALVE ADJ	ALL

TURRET

BOOM HYDRAULIC ROTATION REV. FLOW



TURRET

BOOM HYDRAULIC ROTATION REV. FLOW

ITEM	QTY	PART #	DESCRIPTION
1	1	8043090	BOOM GUARD
2	1	8043639	BRACKET BOOM ELECTRONICS
	7	X000320	DEUTSH DIODE RECEPTACLE
	1	8040185	RELAY
	2	8043690	TIME RELAY
3	2	T400037	UNION 6MB-6MJ
4	1	8042431	SWITCH LIMIT BOOM
5	1	8042432	SWITCH LIMIT BOOM ADJ LEVER
6	1	8042360	BOOM - LIMIT SWITCH BRACKET
7	2	8042376	BOOM - LIMIT SWITCH BRACKET SPACER
8	1	8043580	MANIFOLD ASSY BOOM
9	6	T401270	ELBOW, 90 1/2"MB - 3/8" MJ
10	1	8041327	CYLINDER, HYD DOOR & REV FLOW
	2	W201020	WIPER CYLINDER ROD, 1 1/8" ROD
	1	8044480	SEAL PLATE WELDMENT
	1	8044482	BOOM SHUTOFF SEAL
	1	8044483	BOOM SHUTOFF SEAL PLATE SHEILD
	1	U001570	SCREW, HC 1"-8 X 5.00"
	1	U120060	NUT, LOCK NY 1-8
11	1	8042426	RC TRANSMITTER (w/GRAPHIC)
*	1	8045653	BOOM REMOTE MEDAL CLIP
*	1	X200006	BOOM WIRING HARNESS
*		8042428	RC TRANSMITTER 8-BUTTON (w/GRAPHIC)
*	1	8041912-1	RUBBER 8-BUTTON PAD
*	1	8041923	DECAL OVERLAY
12	1	8042357	BOOM - ROTATION STOP BRACKET
13	1	8042351	BOOM - ROTATION STOP BASE PLATE
14	1	8042359	BOOM - ROTATION STOP BRACKET (OPP)
15	1	8042231	SLEW DRIVE - ASSEMBLY
*	3	T500020	FITTING, GREASE. 125 STRAIGHT (2 FITTINGS IN INNER RING, 1 IN OUTER RING)
16	1	8042344	TANK - BOOM HYD. MANIFOLD MTG PLATE
17	1	8041974	VALVE MANIFOLD BOOM HYD. ROT.
18	1	8041971	VALVE DIRECTIONAL BOOM HYD. ROT.
19	1	8041973	VALVE RELIEF BOOM HYD. ROT.
20	1	8041914	BOOM - RC RECEIVER 6-RELAY
*		8042427	BOOM - RC RECEIVER 8-RELAY
21	1	8045176	BOOM - TURRET SUB-WELD'T REAR
	6	U001281	SCREW, HC .625-11 X 3.50"
	6	U120020	NYLON LOCK NUT .625-11
	12	U200140	WASHER, FLAT .625
22	2	8042812	GROMMET 2"ID 3"OD 1/4"WOG
23	1	8045175	BOOM TURRET SUB-WELDMENT
24	2	8042124	BOOM - TURRET PIVOT PIN
25	2	8042101	BUSHING BRONZE 1.25" X 1.00" X .50" LG
26	4	U200170	WASHER, FLAT 1"
27	2	U340050	PIN LINCH 3/8" X 1 9/16"
28	2	8041988	BOOM - FLANGE GASKET
29	2	8041958	BOOM - FLEX HOSE ADAPTER WELDMENT
30	1	8043678	HOSE AG SUCTION 6-30"
	2	8042104	HOSE CLAMP 6IN T-BOLT
31	1	8042122	BOOM - EXT. CYLINDER BASE PIN
	2	U340050	PIN LINCH 3/8" X 1 9/16"
32	1	8030359	CYLINDER, HYD. 3" X 20" VAC'S
	1	8043782	HYD. HOSE EXTEND 6-77 ST-90
	1	8043783	HYD. HOSE RETRACT 6-114 ST-90

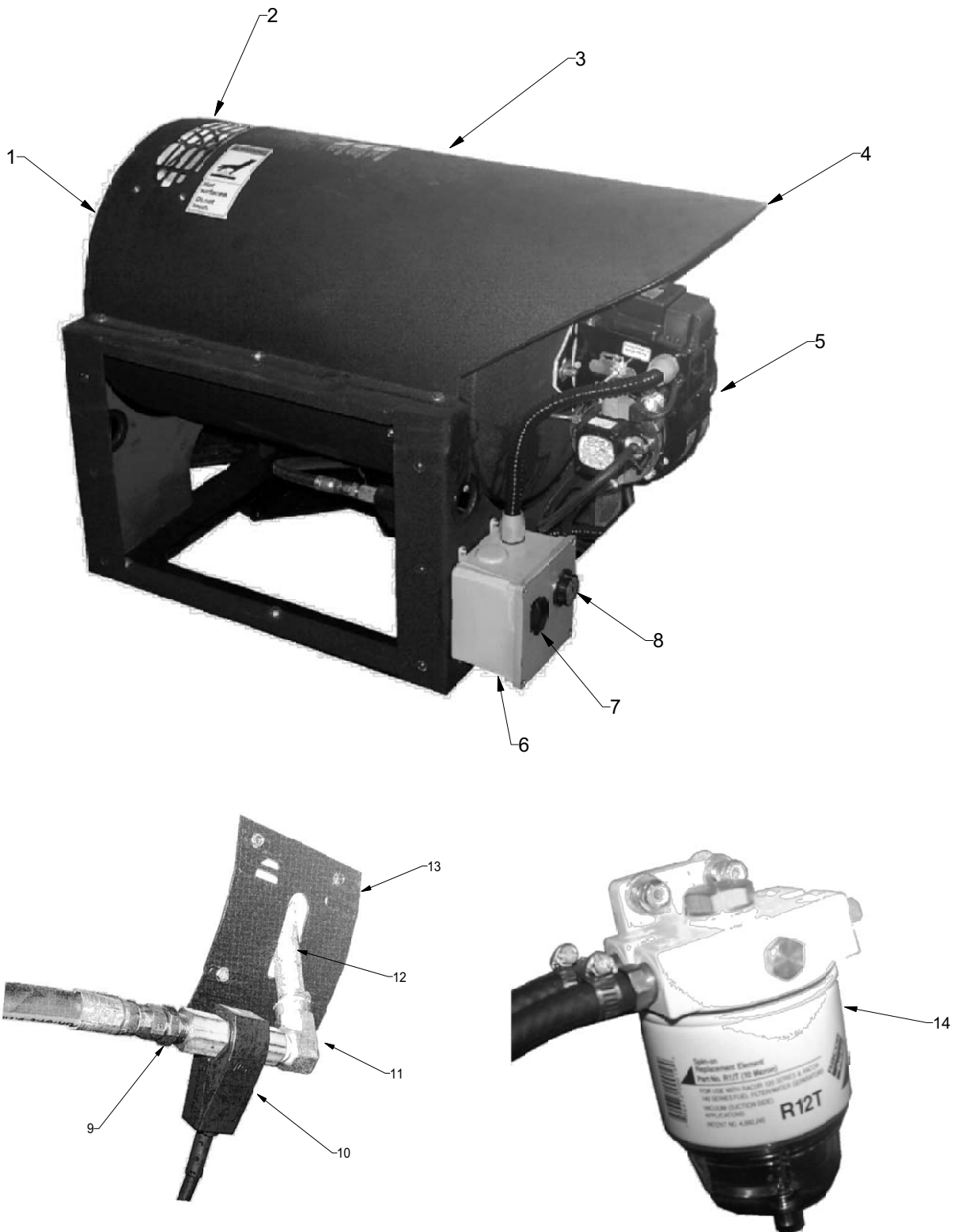
ITEM	QTY	PART #	DESCRIPTION
33	1	8042350	BOOM EXT CYLINDER ROD PIN
	2	U340050	PIN LINCH 3/16" X 1 9/16"
34	1	8041990	BOOM PIVOT CYLINDER ROD PIN
	2	U340050	PIN LINCH 3/16" X 1 9/16"
35	1	8041977	BOOM PIVOT CYLINDER BASE PIN
	2	U340050	PIN LICH 3/16" X 1 9/16"
36	1	8045191	STROBE LIGHT PLATE
37	1	8043139	STROBE LIGHT
38	1	8045080	BOOM CABLE TUBE VERTICAL WELDMENT
39	1	8044504	BOOM CABLE TUBE WELDMENT
40	1	8044507	CLEANOUT COVER BOOM WELDMENT
	12	U000420	SCREW, HC 3/8"-16 X 1"
	12	U210060	WASHER, LOCK 3/8"
	12	U200600	WASHER, FLAT 3/8"
41	1	8044475	BOOM TURRET SHUTOFF CLEANOUT GASKET COVER
42	1	8045355	PUMP, HYD. 12V VAC 6QT
43	1	T403018	REDUCER 12MP-4MJ
44	1	8044553	WORK LIGHT W/ DUETSCH CONNECTOR BUILT BRACKET

* NOT SHOWN

BOOM MANIFOLD CAVITY IDENTIFICATION

PORT	PART#	DESCRIPTION	USED ON
1.1	8043584	3-WAY VALVE	ALL
1.2	8043584	3-WAY VALVE	ALL
1.3	8043584	3-WAY VALVE	ALL
1.4	8043584	3-WAY VALVE	ALL
1.5	8043584	3-WAT VALVE	REVERSE FLOW
1.6	8043584	3-WAY VALVE	REVERSE FLOW
5	8043587	RELIEF VALVE ADJ	ALL

Hot Box Assembly



071808

VACASSY949

Hot Box Assembly

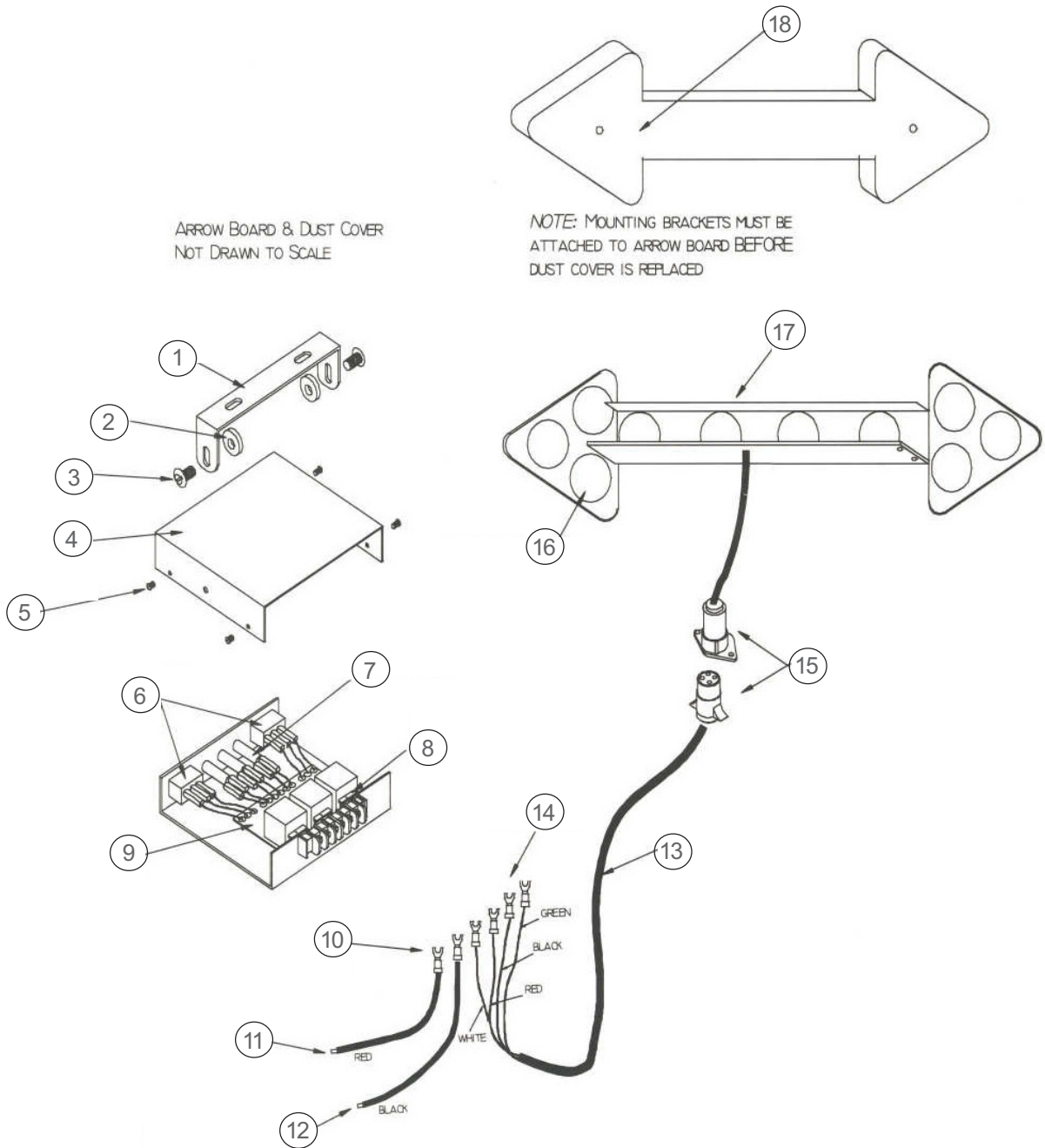
ITEM	QTY	NUMBER	DESCRIPTION
1	1	8040088-23	INSULATION DISC
	1	8040088-21	COIL ASSEMBLY
	1	8040088-22	INSULATION BLANKET
	1	8040088-01	INSULATION DRUM HEAD
	1	8040088-20	BOTTOM WRAP ASSEMBLY
2	1	8040088-26	SLOTTED EXHAUST PLATE
	4	8040088-27	CLIP NUT 1/4-2 DUNC
	4	8040088-28	WASHER ZI SAE TYPE A 3/16
	4	8040088-29	SCREW #10-032 X 3/4 LONG
3	1	8040088-25	TOP WRAP
4	1	8040088-24	EDGING 3 FT REQUIRED
5	1	8040088-03	BURNER-12 VOLT
	1	8040088-02	NOZZLE-OIL
	1	8040088-04	LOCKNUT 1/2-ELECTRICAL
	1	8040088-05	CONDUIT STRAIGHT CONNECTOR
	1	8040088-09	ELBOW 1/4 M 1/4 BARB 90 BRASS
6	1	8040089-39	CONTROL BOX COMPLETE
	1	8040088-33	CONTROL BOX ONLY
	4	8040088-30	STRAIN RELIEF
	1	8040088-34	RELAY CONTROL
	1	X000143	PLUG, ENCLOSURE 3/4" KNOCKOUT
7	1	8040088-36	ROCKER SWITCH 15AMP 24 VOLT
8	1	8040088-17	ADJUSTABLE THERMOSTAT 86-194F
9	2	T400029	REDUCER 1/2 MP - 3/8 MJIC
10	1	8040088-14	FLOW SWITCH
11	1	8040088-13	ELBOW 1/2 F X 3/8 M STEEL
12	2	8040088-12	PIPE NIPPLE 1/2 NPT X 5 1/2 LONG
13	2	8040088-11	PATCH PLATE
	8	8040088-10	SCREW SELF DRILL #10 X 1/2
14	1	8040088-38	FUEL FILTER WITH ELEMENT
	1	8040088-37	FUEL FILTER ELEMENT
*	1	8040088-18	CROSS 1/2 NPT STL
*	1	8040088-19	PRESSURE RELIEF VALVE 4500 PSI

* ITEM NOT SHOWN

Arrow Board Option

ARROW BOARD & DUST COVER
NOT DRAWN TO SCALE

NOTE: MOUNTING BRACKETS MUST BE
ATTACHED TO ARROW BOARD BEFORE
DUST COVER IS REPLACED

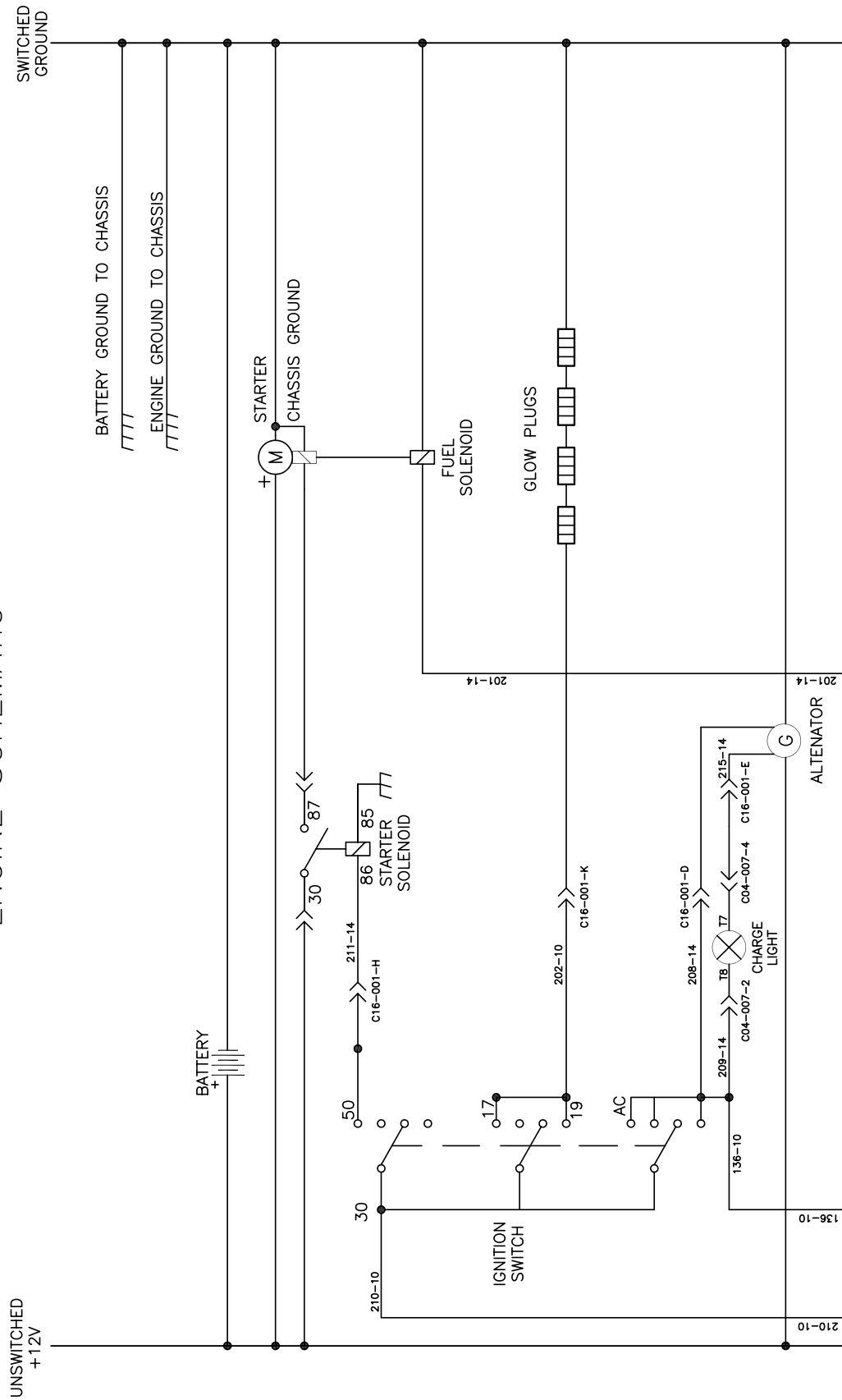


Arrow Board Option

ITEM	QTY	PART #	DESCRIPTION
1	1	8042197-1	MOUNTING BAIL
2	2	8042197-2	WASHER
3	2	8042197-3	BOLT
4	1	8042197-4	COVER
5	4	8042197-5	MACHINE SCREW
6	2	8042197-6	SPDT SWITCH
7	3	8042197-7	RED PILOT LAMP
8	1	8042197-8	15 AMP FUSE
9	1	8042197-9	CIRCUIT BOARD ASSY
10	2	8042197-10	#6 BLUE SPADE CONNECTOR
11	4'	8042197-11	RED
12	4'	8042197-12	BLACK
13	20'	8042197-13	CABLE HARNESS
14	4	8042197-14	#6 BLUE SPADE CONNECTOR
15	1	8042197-15	4-WAY CONNECTOR
16	1	8042197-16	STANDARD LAMP ASSY
17	1	8042197-17	ARROWBOARD FRAME
18	1	8042197-18	DUST COVER
*	1	8045830	ARROWBOARD BRACKET
*	1	8046526	ARROWBOARD MOUNT PLATE

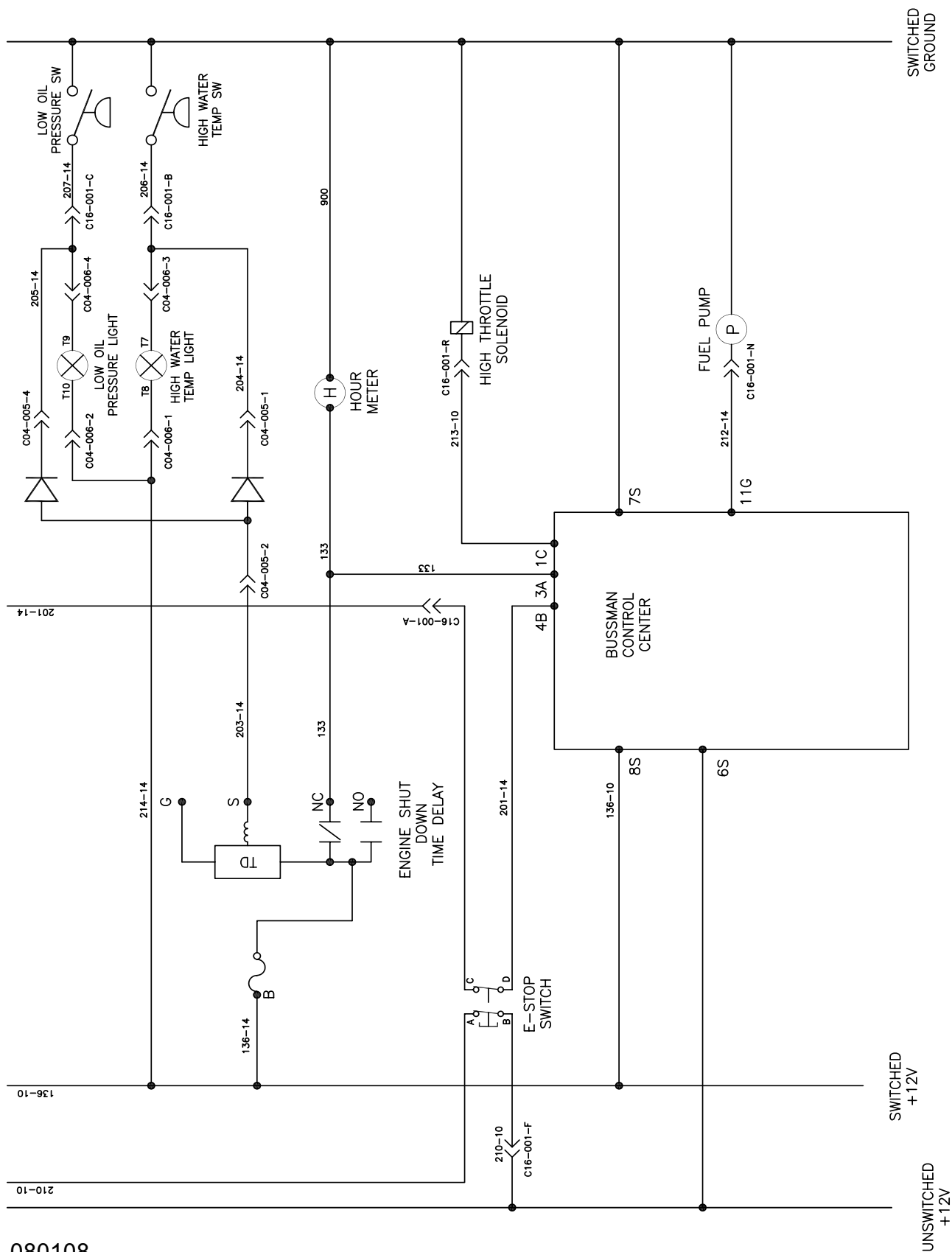
Vacuum Diesel Engine Schematic

VACUUM DIESEL ENGINE SCHEMATIC



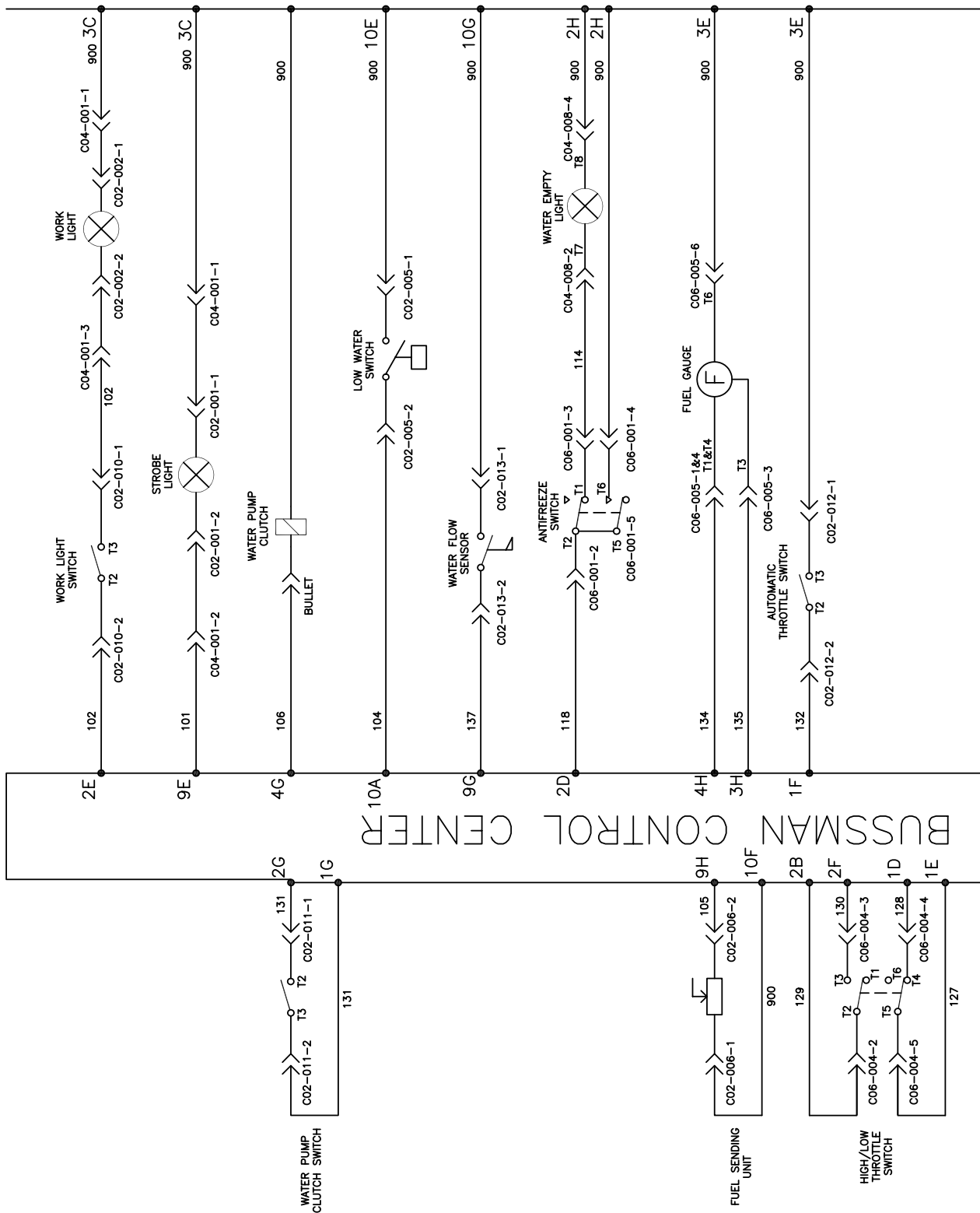
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Vacuum Diesel Engine Schematic

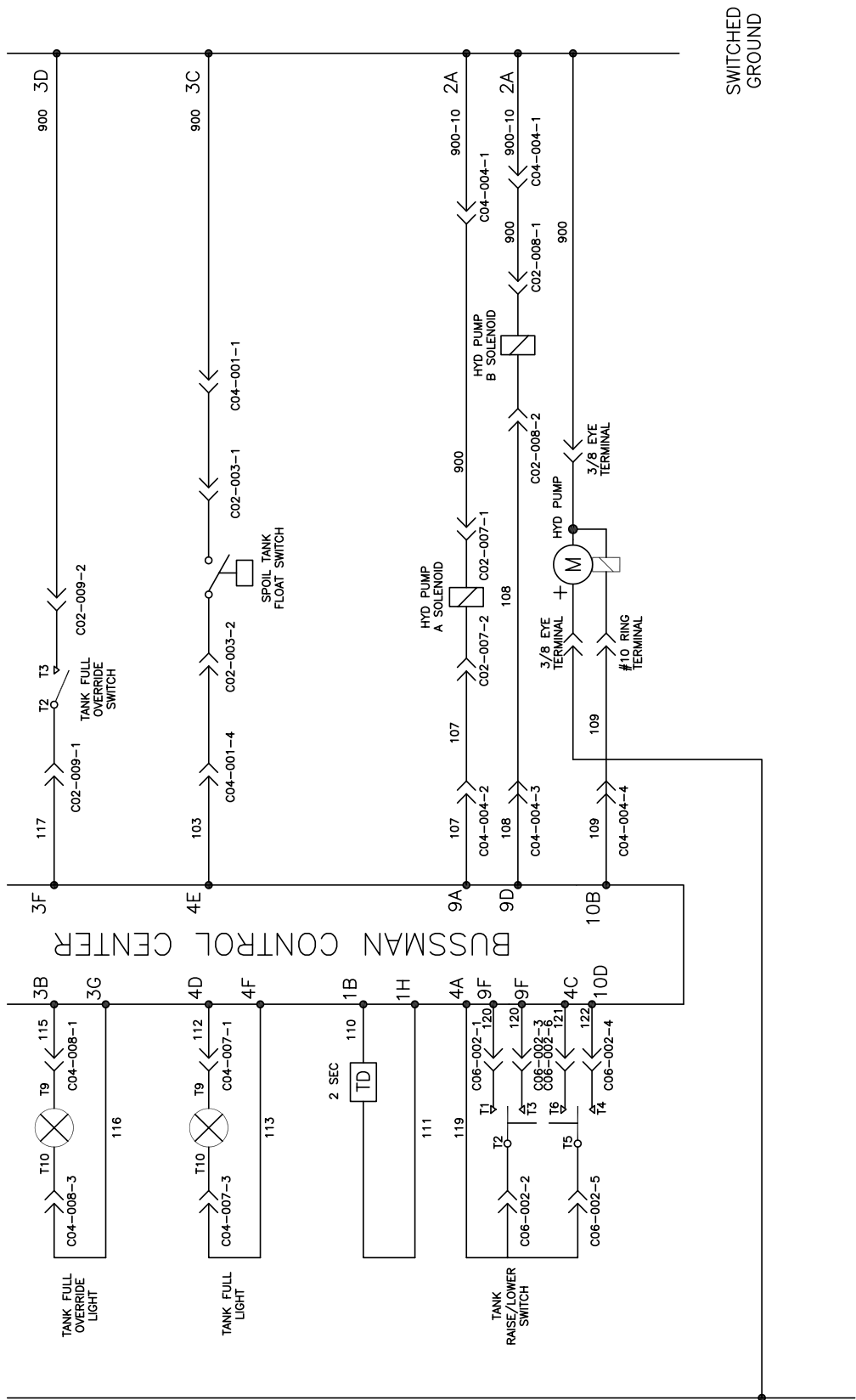


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Vacuum Diesel Engine Schematic

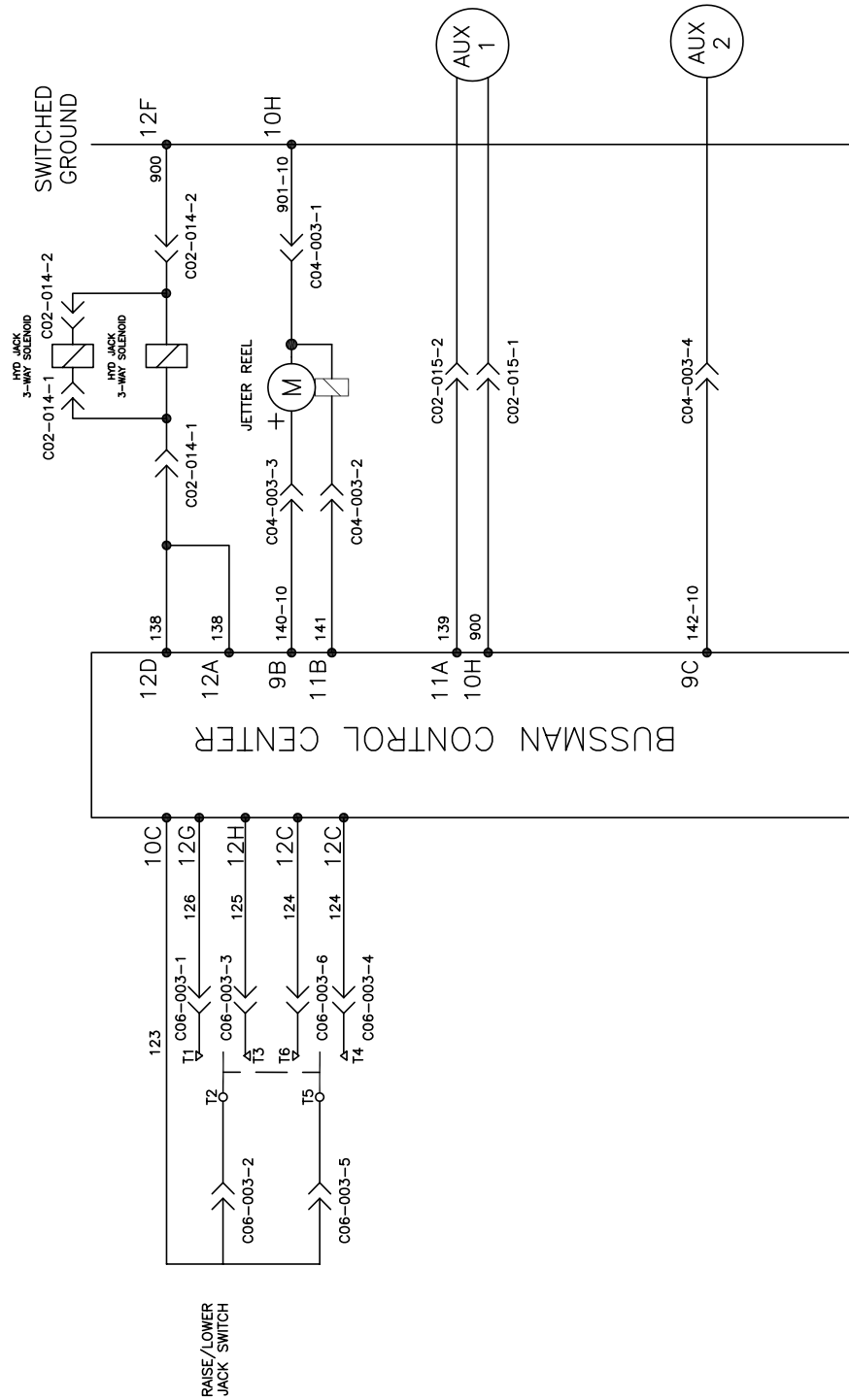


Vacuum Diesel Engine Schematic



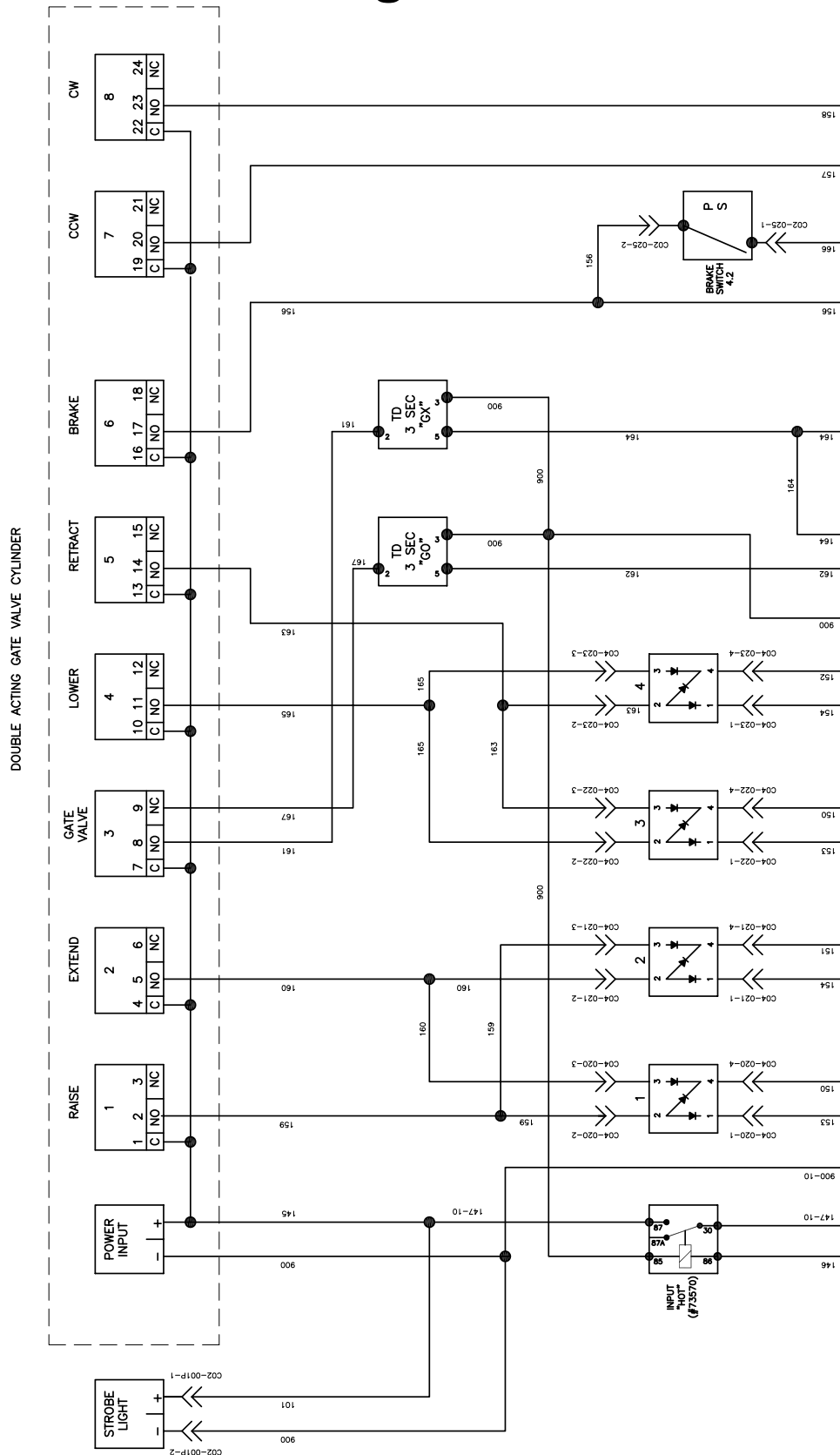
Vacuum Diesel Engine Schematic

BUSSMAN CONTROL CENTER OPTIONS

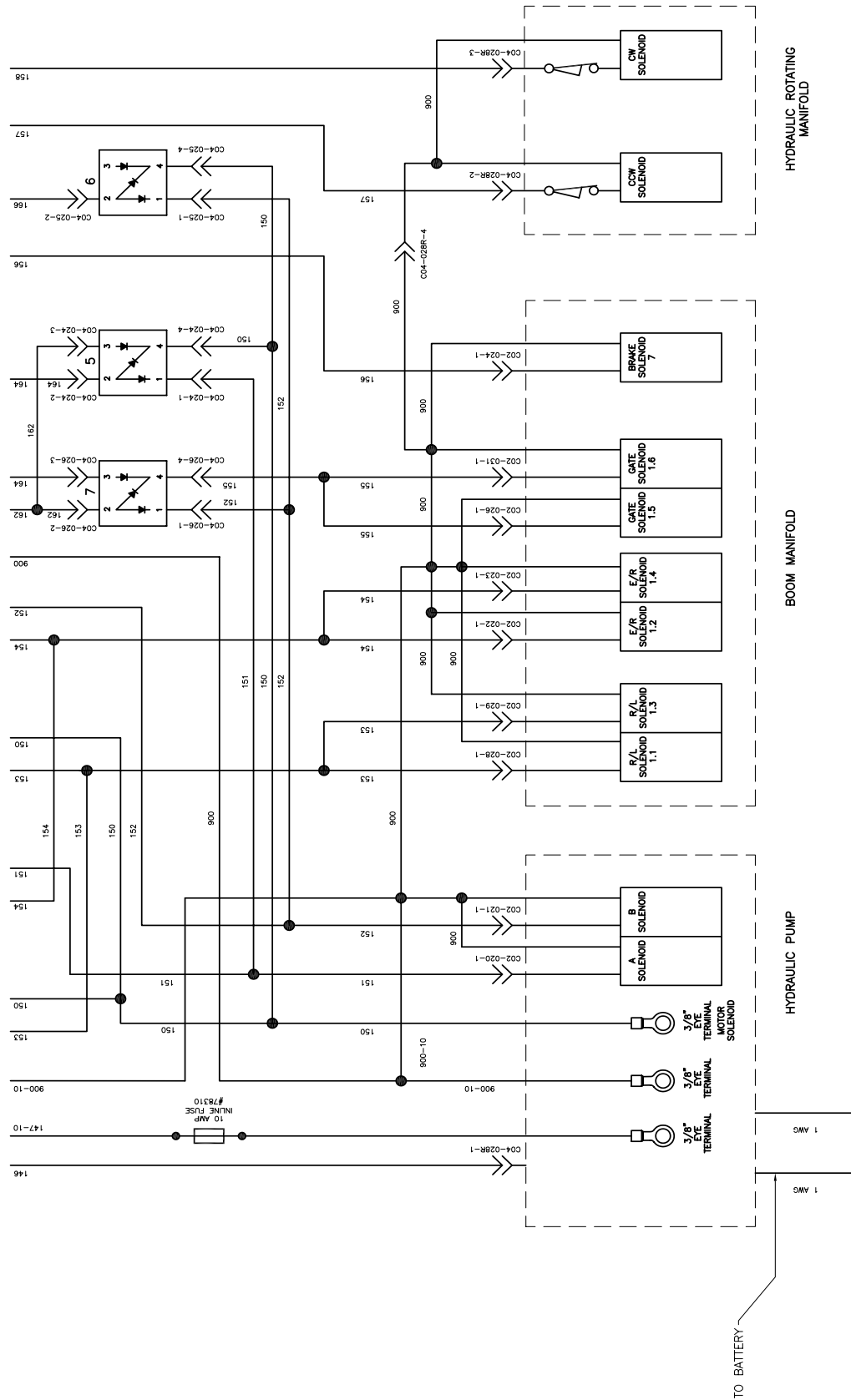


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Boom Wiring Schematic



Boom Wiring Schematic

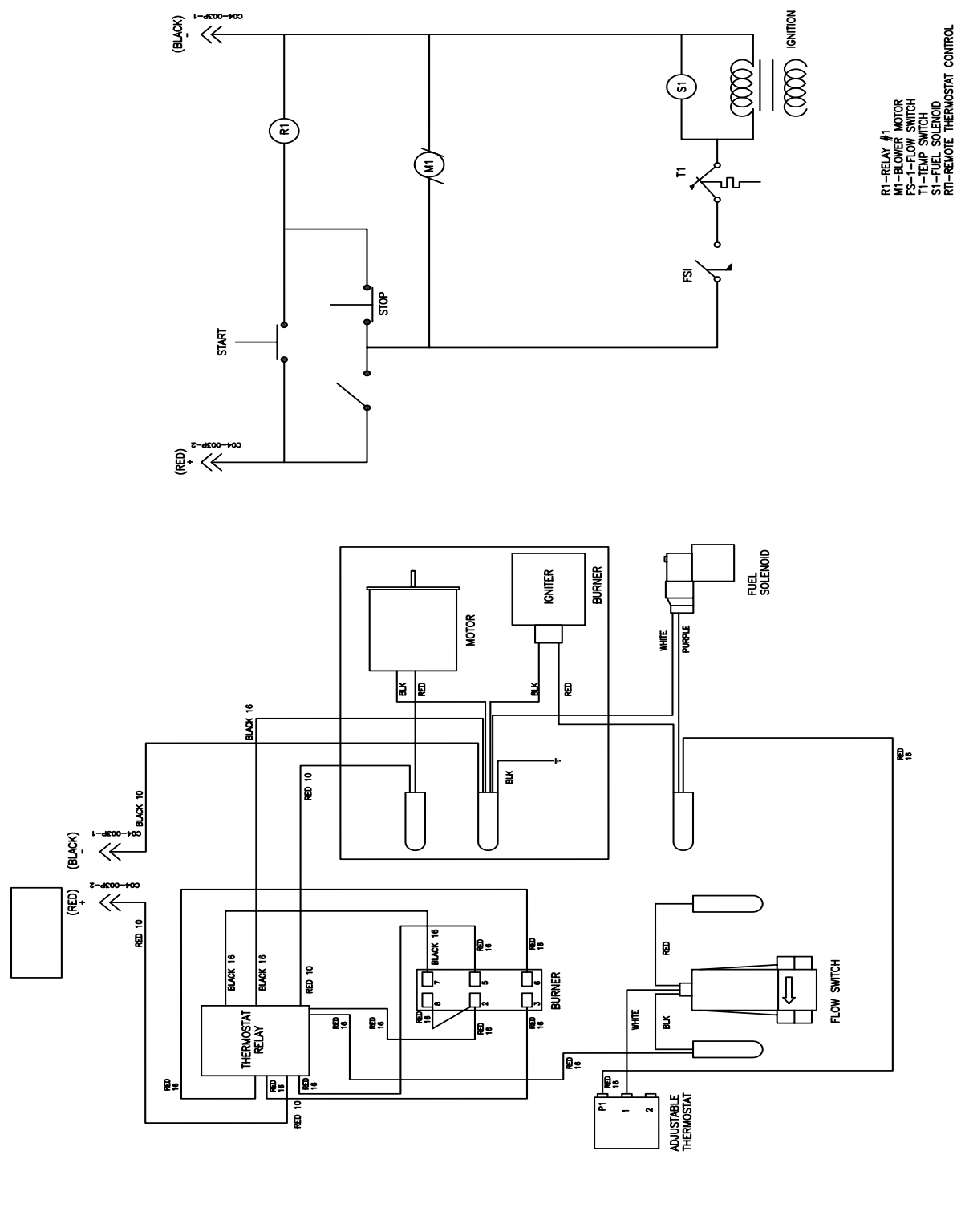


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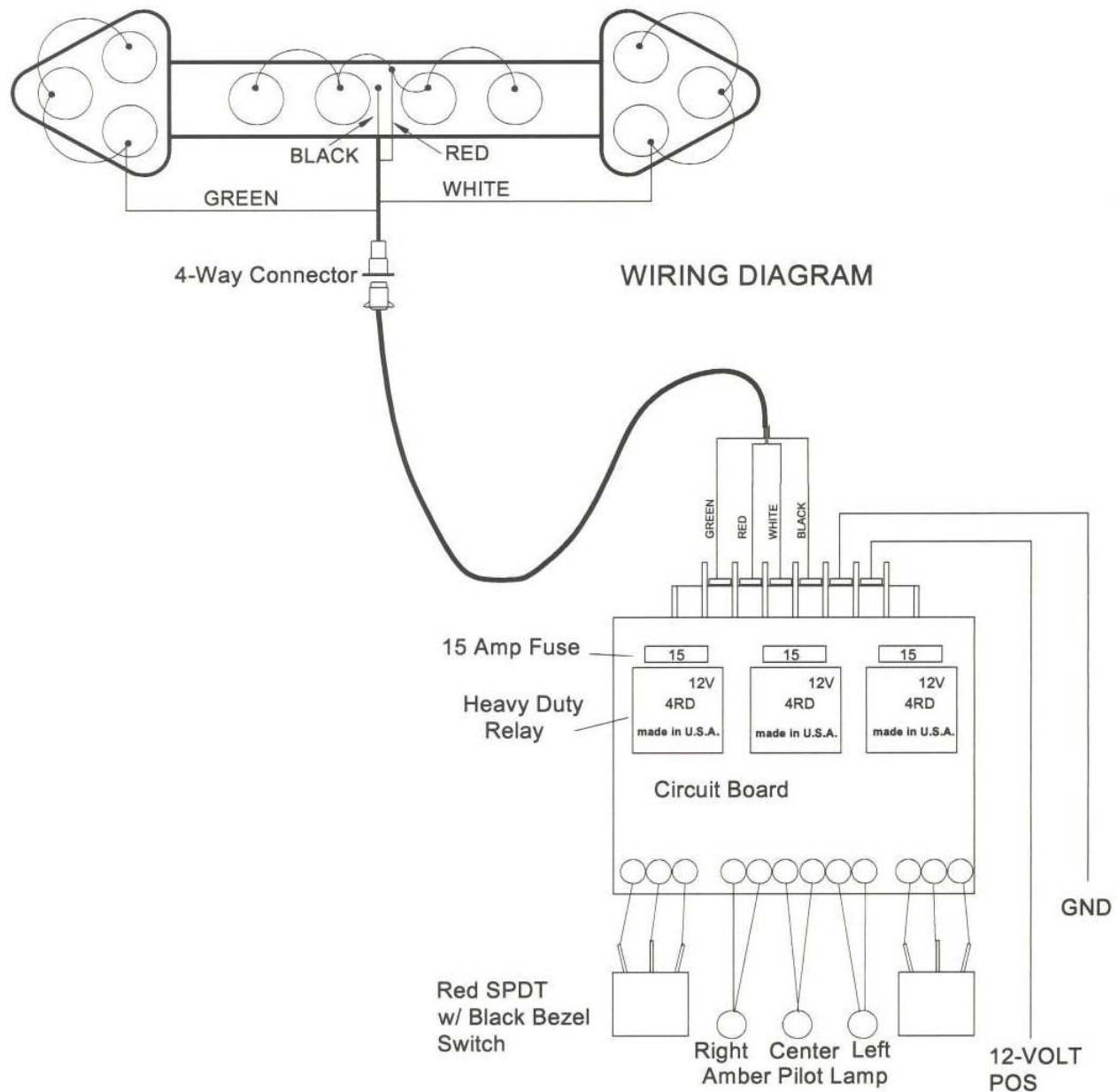
Hot Box Assembly

WIRING SCHEMATIC



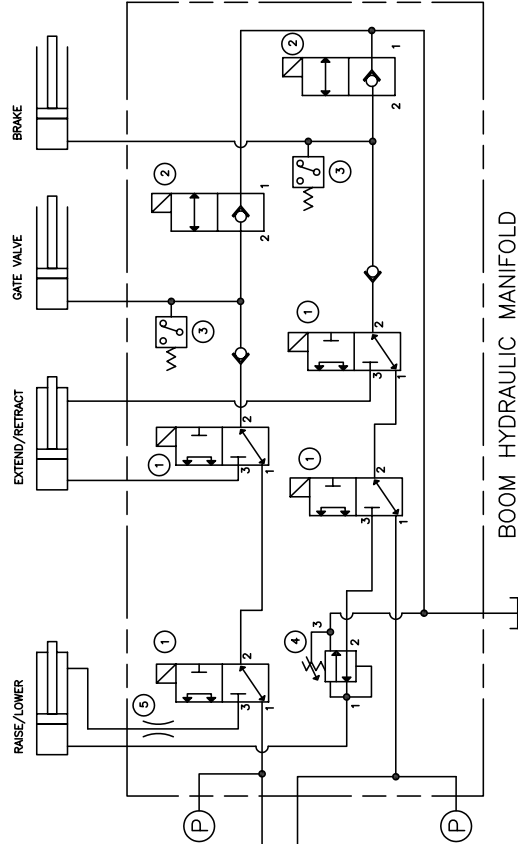
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Arrow Board Option



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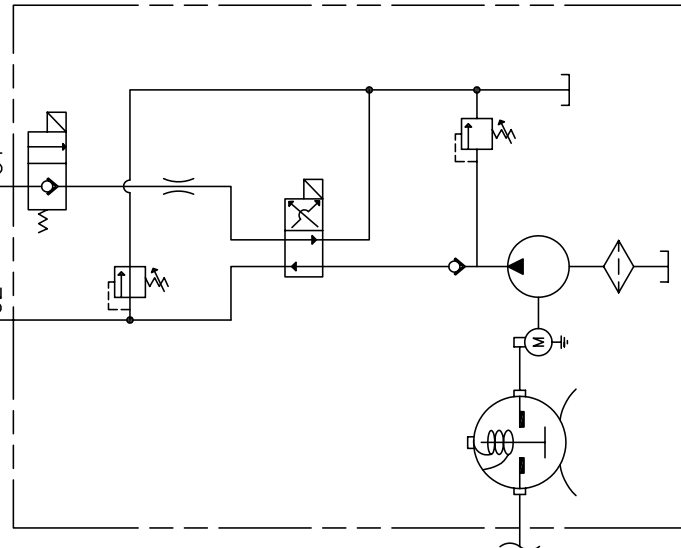
BOOM HYDRAULIC SCHEMATIC



Boom Hydraulic Schematic

	MCL#	MFG	TYPE	MODEL
1	8041884	VICKERS	3 WAY VALVE	SV1-10
2	8042207	VICKERS	2 WAY VALVE	SV3-10-C-6T12DG
*3	8042302	NASON	PRESSURE SWITCH	XM-4B-2000R/HR
4	4810712	VICKERS	RETRACT VALVE	PRV2-10
5			ORIFICE .031	

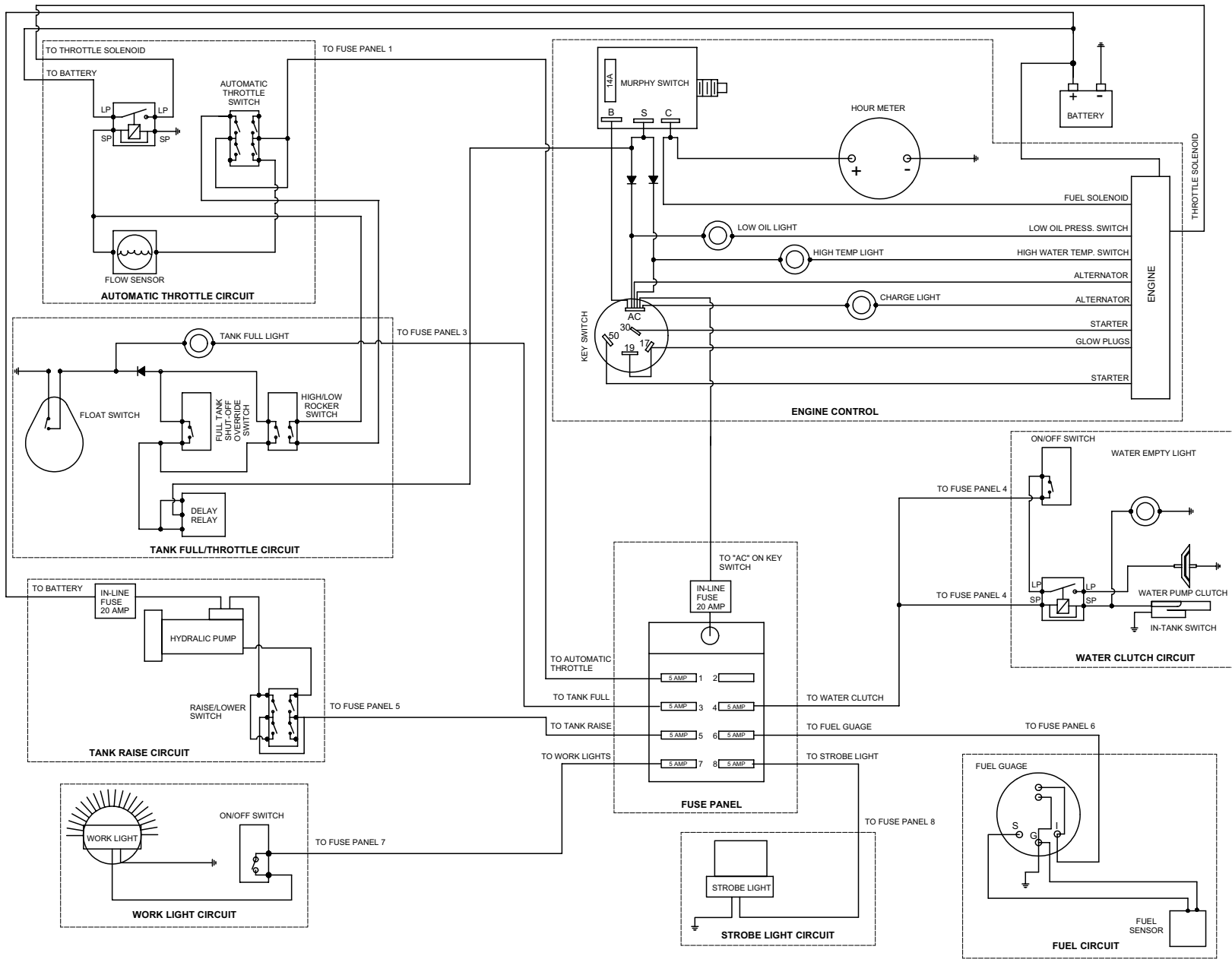
*PRESSURE SETTING 1000psi



12V DC HYDRAULIC PUMP

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WIRING SCHEMATIC



WARRANTY RETURN GOODS POLICY

LIMITED WARRANTY

The Manufacturer warrants its products to be free from defects in material and workmanship for a period of twelve months from the date of shipment from the factory. The Manufacturer shall not be responsible for any damage resulting to or caused by its products by reason of installation, improper storage, unauthorized service, alteration of the products, neglect or abuse, or use of the product in a manner inconsistent with its design. The warranty does not extend to any component parts not manufactured by Manufacturer; however, Manufacturer's warranty herein shall not limit any warranties made by manufacturers of component parts which extend to Buyer.

Claims for defects in material and workmanship shall be made in writing to Manufacturer within ten days of discovery of defect. Manufacturer may either send a service representative or have the product returned to its factory at Buyer's expense for inspection. Upon notification of defect, Manufacturer will issue a return goods authorization number to Buyer. The return goods authorization number must accompany the product returned. If judged by the Manufacturer to be defective in material or workmanship, the product will be replaced or repaired at the option of the Manufacturer, free from all charges except authorized transportation. Buyer shall be responsible for all maintenance services consisting of lubrication and cleaning of equipment, replacing expandable parts, making minor adjustments, and performing operating checks, all in accordance with procedures outlined in Manufacturer's maintenance literature.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AND NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES, EXPRESS OR IMPLIED, (INCLUDING BUT NOT LIMITED TO A WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), ARE MADE BY THE MANUFACTURER IN CONNECTION WITH THE MANUFACTURE OR SALE OF ITS PRODUCTS. NO EMPLOYEE, DISTRIBUTOR, OR REPRESENTATIVE IS AUTHORIZED TO CHANGE THIS WARRANTY ON BEHALF OF MANUFACTURER. THE REMEDIES OF BUYER SET FORTH HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER REMEDIES. THE LIABILITY OF MANUFACTURER WHETHER IN CONTRACT, TORT, UNDER ANY WARRANTY, OR OTHERWISE SHALL NOT EXTEND BEYOND ITS OBLIGATION TO REPAIR OR REPLACE, AT ITS OPTION ANY PRODUCT OR PART FOUND BY MANUFACTURER TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP. MANUFACTURER SHALL NOT BE LIABLE FOR COST OF INSTALLATION AND/OR REMOVAL OR BE RESPONSIBLE FOR DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

GENERAL RETURNS OF MERCHANDISE

1. All returns must be pre-authorized
 - A. Please call our parts department for an RGA number
 - B. Please include RGA number on the outside of box
 - C. Include any required paper work or special instructions
 - D. Items returned without an RGA number will not be accepted
2. All returns are subject to a 20% restock charge.
3. Special items are non-returnable
 - A. Non-stock parts
 - B. Custom parts
 - C. If you are unsure about a parts status when ordering, ask your McLaughlin representative if the item fits on of the above conditions.
4. Items must be returned within thirty days of original order date.
5. Items not returned within 30 days from the date of RGA is issued will not be accepted.
6. The item(s) must be in new condition. Used item(s) are not returnable.

Maintenance Record

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This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.