



Spray Paver

Parts Manual

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Revision 08.20.20, Revision H

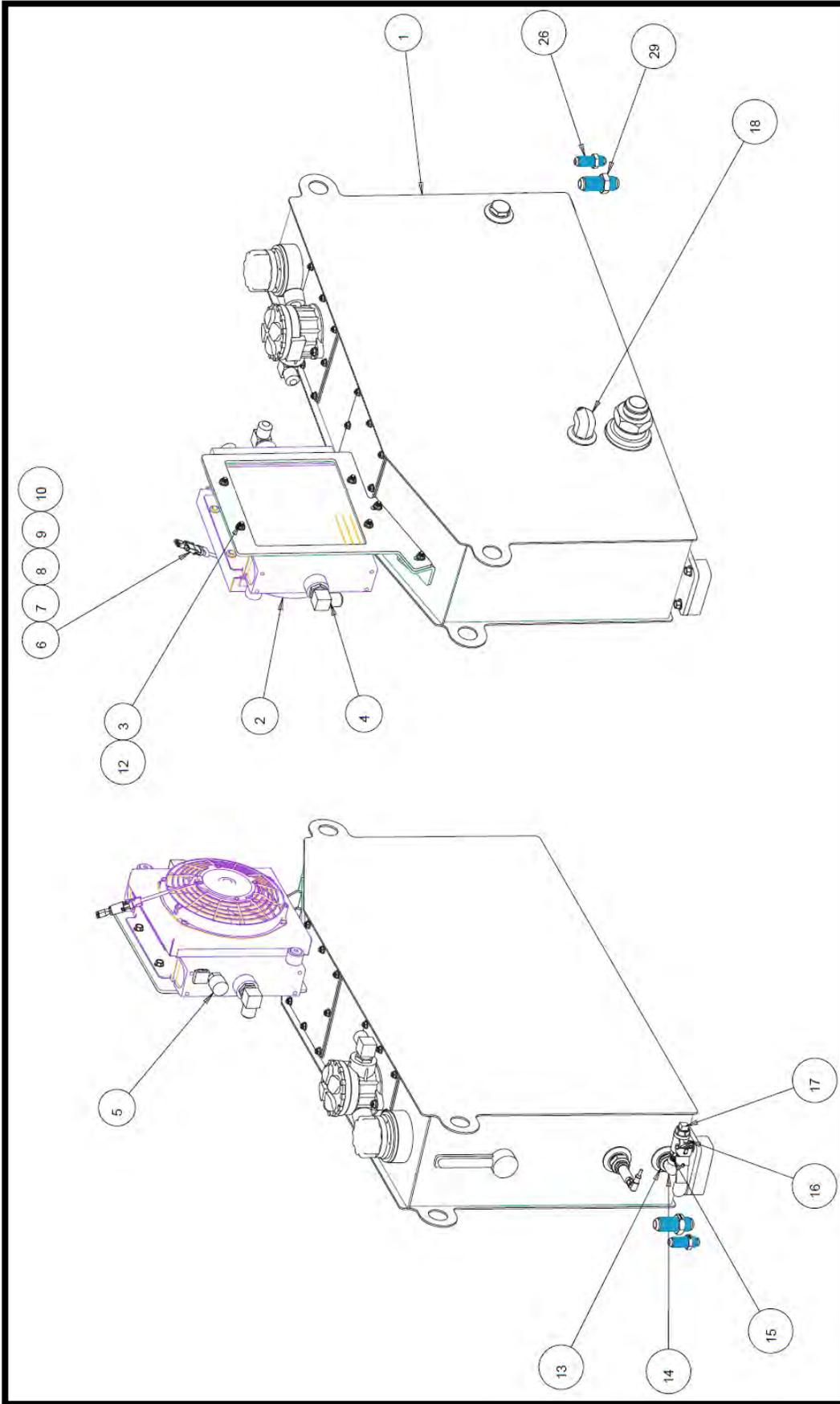
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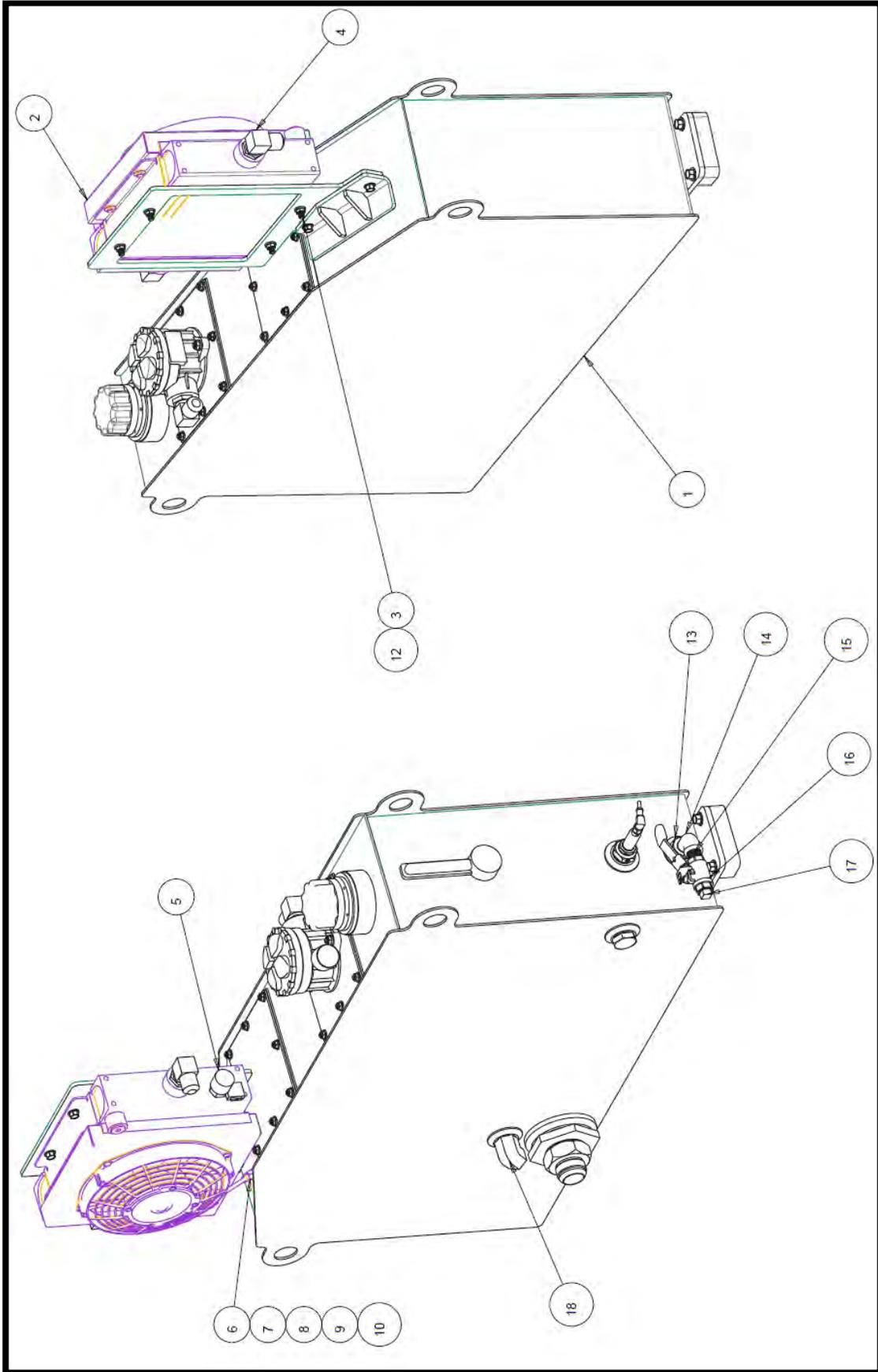
Hydraulic Group, Cat – IDX20030



Hydraulic Group, Cat – IDX20030

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20500	1	ASSY, HYD TANK
2	IDX10212	1	OIL COOLER, 24 V
3	IDX10188	4	HHCS SERR FLG 5/16-18 X 1" LG
4	IDX10755	2	HYD FITTING, -12MB X -12SAE 90 DEG
5	IDX10268	1	THERMOSTAT, OIL COOLER
6	IDX20170	1	CONNECTOR 2 POS MALE
7	IDX20171	2	TERMINAL PIN MALE 14-16 AWG
8	IDX20172	2	CABLE SEAL GREEN
9	IDX20173	1	FUSE HOLDER INLINE ATC W/CAP
10	IDX10791	1	ATC AUTOMOTIVE FUSE 10 AMP
11	IDX20175	4	RING TERMINAL #14-16 AWG BLUE
12	IDX10189	4	SERR HEX FLG NUT 5/16-18
13	IDX11192	1	BUSHING, 1 X 1/2 NPT
14	IDX11193	1	ELBOW, 1/2 NPT STREET
15	IDX20215	1	PIPE NIPPLE, 1/2 NPT X 1.5
16	IDX11191	1	VALVE, 1/2 NPT, LOCKABLE
17	IDX10284	1	PLUG, PIPE 1/2 NPT
18	IDX20735	1	ADAPTER, 08MJIC-16MP 90
19	IDX10985	30 GAL	HYD OIL, CAT HYDRO ADVANCED 10
20	IDX20174	20 FT	SO CORD #16/3C
21	IDX20361	1	OIL COOLER TO FR1 HOSE ASSY
22	IDX20718	1	HYD. PUMP, 45CC, LOAD SNS
23	IDX20365	1	KIT, HYD HOSES, OTHER, CAT 1055F
24	IDX20497	1	ADAPTER, 24MB-24MJ 90
25	IDX10770	1	HYD FITTING, -10MB X -8SAE 90 DEG
26	IDX22002	1	ADAPTER, 8MJ-8BKHD
27	IDX11108	1	ADAPTER, 08MJIC-12MNPT 90
28	IDX20237	1	HYD FITTING, -16MB X -12MJ 90
29	IDX22004	1	ADAPTER, 12MJ-12BKHD
30	IDX20084	1	DIAG. TEE, 12MJ-12FJ-4FB
31	IDX20272	1	ADAPTER, 4MB-6FB
32	IDX20064	1	HYD TEST PORT
33	IDX11032	1	ADAPTER, 4MB-4MJ STR
34	IDX20240	1	ADAPTER, 12FJ-12MJ 45
35	IDX20238	1	ADAPTER, 12FJ-10MJ STR
36	IDX11103	4	ADAPTER, 08FJ-06MJ STR
37	IDX11165	4	ADAPTER, 06FJ-04MJ STR
38	IDX20234	2	TEE, 4MJ-4MJ-4MJ
39	IDX20245	50 FT	HOSE WRAP, 2"
40	IDX11171	50 FT	HOSE WRAP, 3"
41	IDX20246	50 FT	HOSE WRAP, 6"
42	IDX20247	50 FT	HOSE WRAP, 7"
43	IDX23633	1	O-RING, FOR HYD PUMP
44	IDX23634	2	HHCS, 1/2-13 X 1.25, GR8
45	IDX23635	2	WASHER, SAE, 1/2"

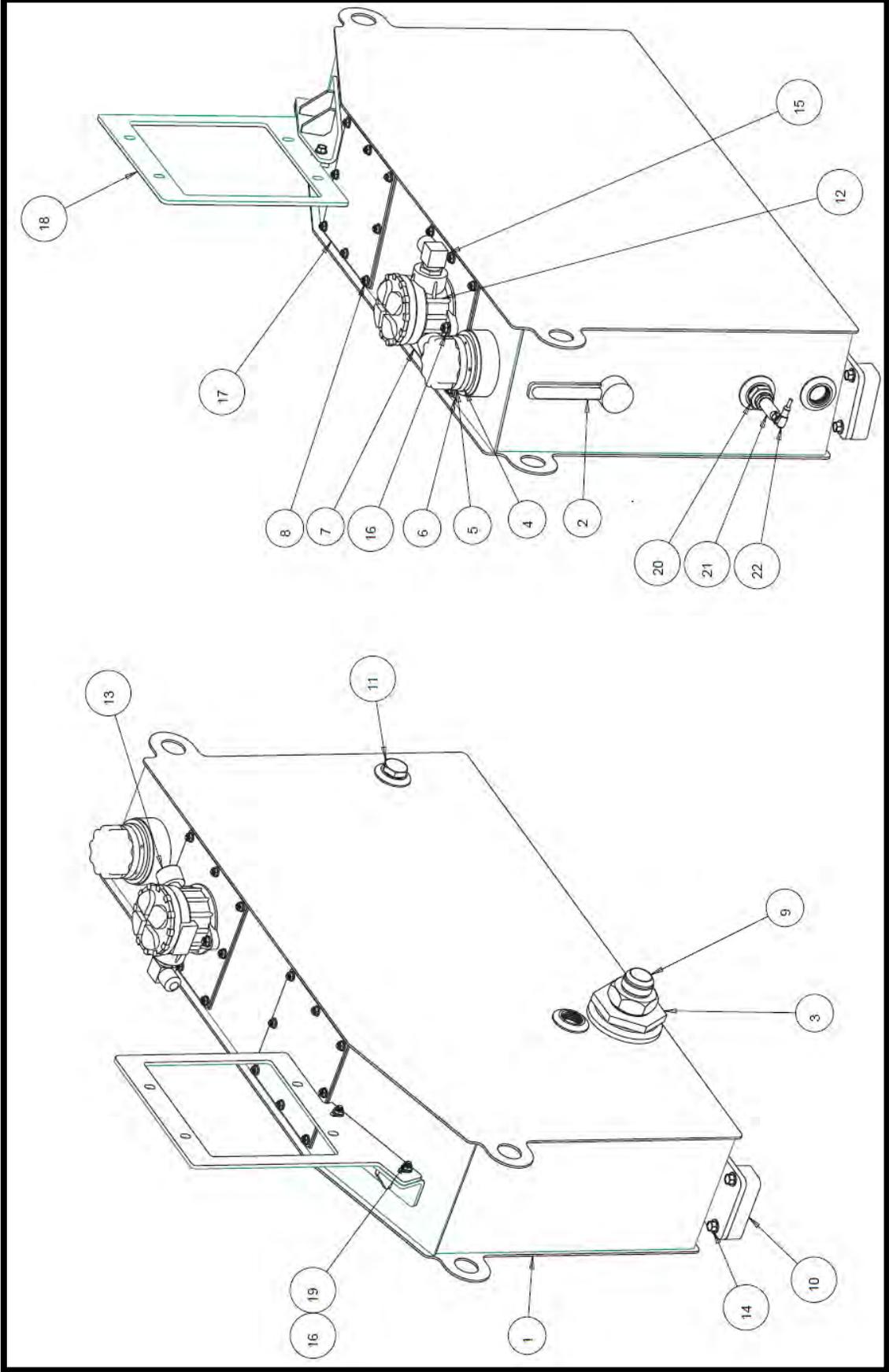
Hydraulic Group, Volvo – IDX20993



Hydraulic Group, Volvo – IDX20993

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20500	1	ASSY, HYD TANK
2	IDX10212	1	OIL COOLER, 24 V
3	IDX10188	4	HHCS SERR FLG 5/16-18 X 1" LG
4	IDX10755	2	HYD FITTING, -12MB X -12SAE 90 DEG
5	IDX10268	1	THERMOSTAT, OIL COOLER
6	IDX20170	1	CONNECTOR 2 POS MALE
7	IDX20171	2	TERMINAL PIN MALE 14-16 AWG
8	IDX20172	2	CABLE SEAL GREEN
9	IDX20173	1	FUSE HOLDER INLINE ATC W/CAP
10	IDX10791	1	ATC AUTOMOTIVE FUSE 10 AMP
11	IDX20175	4	RING TERMINAL #14-16 AWG BLUE
12	IDX10189	4	SERR HEX FLG NUT 5/16-18
13	IDX11192	1	BUSHING, 1 X 1/2 NPT
14	IDX11193	1	ELBOW, STREET, 90 DEG, 1/2 NPT
15	IDX20215	1	PIPE NIPPLE, 1/2 NPT X 1.5
16	IDX11191	1	VALVE, 1/2 NPT, LOCKABLE
17	IDX10284	1	PLUG, PIPE 1/2 NPT
18	IDX20735	1	ADAPTER, 08MJIC-16MP 90
19	IDX11103	4	ADAPTER, 08FJ-06MJ STR
20	IDX11165	4	ADAPTER, 06FJ-04MJ STR
21	IDX20234	2	TEE, 4MJ-4MJ-4MJ
22	IDX10985	30 GAL	HYD OIL, CAT HYDRO ADVANCED 10
23	IDX20174	20 FT	SO CORD #16/3C
24	IDX20361	1	OIL COOLER TO FR1 HOSE ASSY
25	IDX20238	1	ADAPTER, 12FJ-10MJ STR
26	IDX11108	1	ADAPTER, 08MJIC-12MNPT 90
27	IDX20787	1	ADAPTER, 24MJ BKHD STR
28	IDX20786	2	ADAPER, 24MJ-24FJX 90
29	IDX20900	1	KIT, HYD HOSES, OTHER, VOLVO
30	IDX20795	1	SPACER, DRIVELINE COUPLER
31	IDX20796	1	AUXILLIARY MOUNTING KIT
32	IDX20797	1	HYDRAULIC PUMP, VOLVO
33	IDX20794	4	HHCS, 1/2-13 X 6.5, ZP, GR8
34	IDX20793	1	ADPTR, -32 CODE 61 - 24MJIC90
35	IDX20792	1	KIT, CODE 61 SPLIT FLANGE, 32
36	IDX20789	1	ADPTR, -16 CODE 61 - 12MJIC90
37	IDX20791	1	KIT, CODE 61 SPLIT FLANGE, 16
38	IDX10770	1	HYD FITTING, -10MB X -8SAE 90 DEG
39	IDX11032	1	ADAPTER, 4MB-4MJ STR
40	IDX20084	1	DIAG. TEE, 12MJ-12FJ-4FB
41	IDX20272	1	ADAPTER, 4MB-6FB
42	IDX20064	1	HYD TEST PORT
43	IDX20245	50 FT	HOSE WRAP, 2"
44	IDX11171	50 FT	HOSE WRAP, 3"
45	IDX20246	50 FT	HOSE WRAP, 6"
46	IDX20247	50 FT	HOSE WRAP, 7"

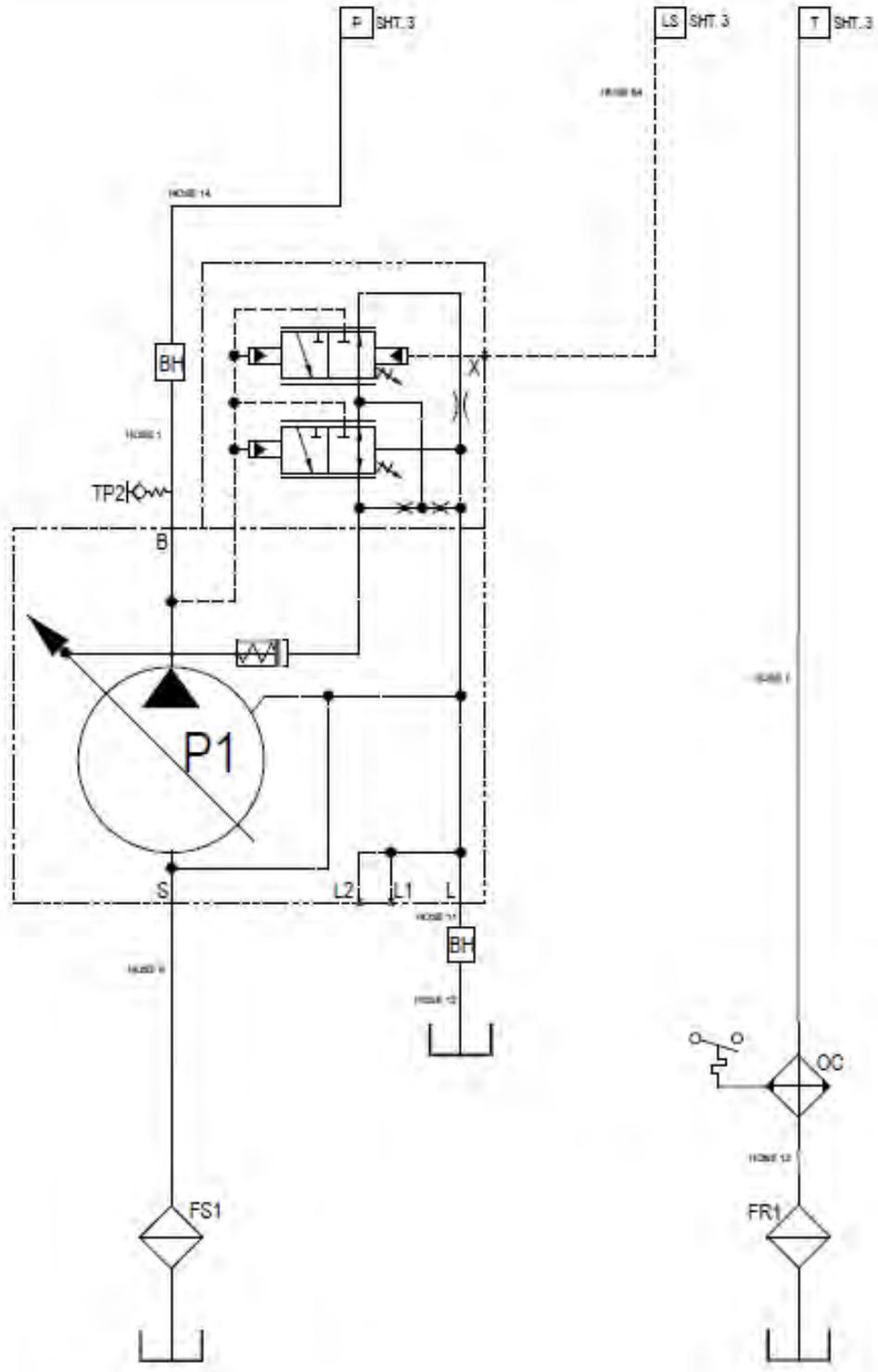
Hydraulic Reservoir Assembly – IDX20500



Hydraulic Reservoir Assembly – IDX20500

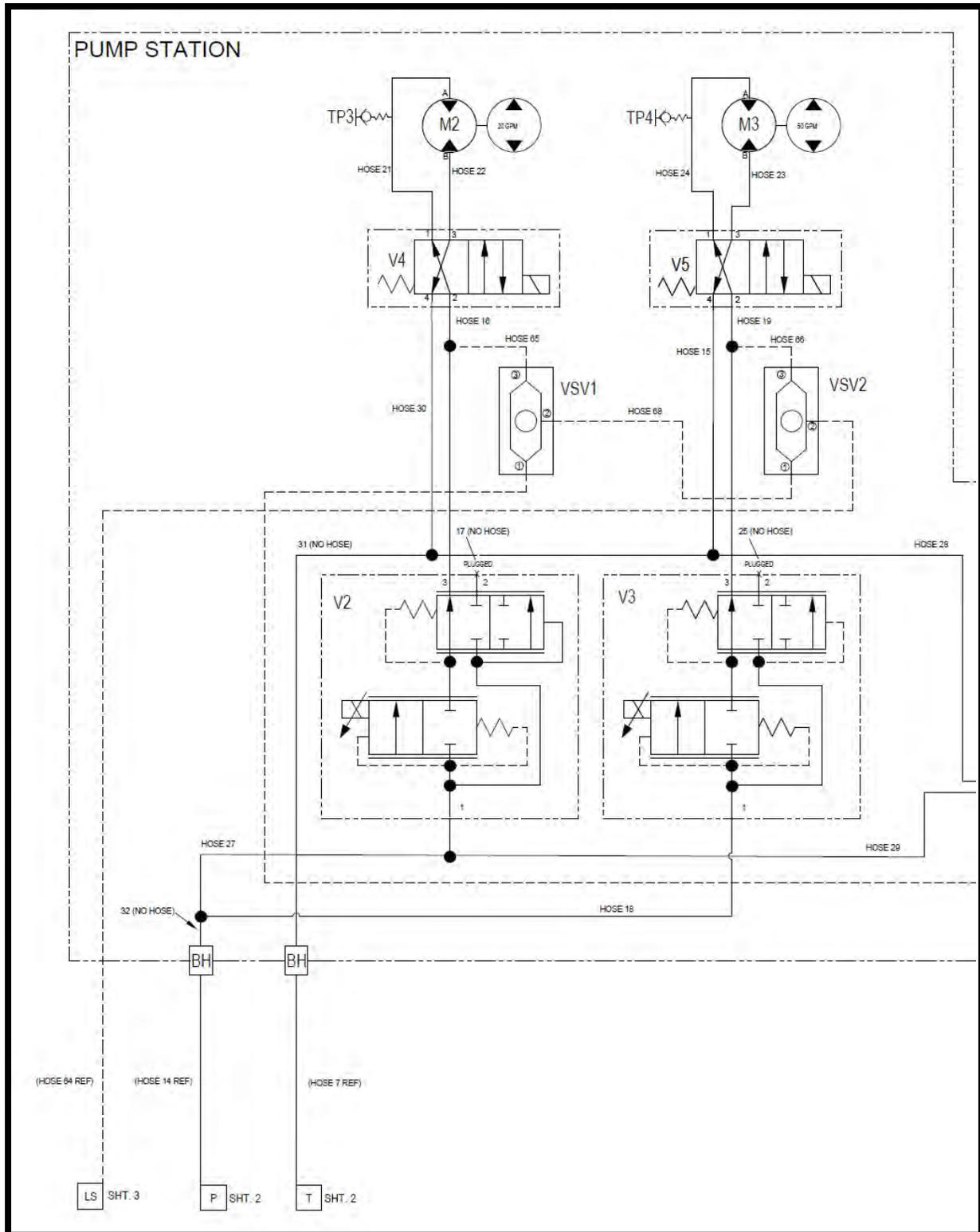
ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20501	1	WMT, HYD TANK
2	IDX10210	1	SIGHT GAUGE, 5 IN
3	IDX20518	1	SUCTION STRAINER, -32 PORT
4	IDX10752	1	FILL NECK
5	IDX10211	1	FILLER CAP
6	IDX11034	2	GASKET, HYD TANK
7	IDX10753	1	WMT, FILTER COVER
8	IDX10194	16	SERR-FLG HEX LKNUT ZN 1/4-20
9	IDX20519	1	HYD FITTING, -32MB X -24MJ
10	IDX10760	2	PLATE, MNT
11	IDX10762	1	PLUG, 1" NPT
12	IDX20516	1	RETURN FILTER, HYD. RES.
	IDX20515		REPLACEMENT ELEMENT FOR HYD. RETURN FILTER
13	IDX10208	1	PRESSURE GAUGE
14	IDX10195	4	FHHCS SERR 3/8-16 X 1" LG ZN
15	IDX20237	1	HYD FITTING, -16MB X -12MJ 90
16	IDX10189	4	SERR HEX FLG NUT 5/16-18
17	IDX20508	1	PLATE, COVER
18	IDX20512	1	PLATE, MOUNT
19	IDX10188	2	HHCS SERR FLG 5/16-18 X 1" LG
20	IDX23517	1	ADAPTER, 16MNPT-8FNPT
21	IDX23510	1	TEMP SENS, 18-32V, 4-20OUT, 1/2NPT
22	IDX23511	1	CBL, M12 4COND 10M
23	IDX23519	1	BUTT CNCTR, 16-24AWG, CRIMP
24	IDX23541	1	CNCR, TAP, 17-24AWG, 2 CON

Hydraulic Schematic and Hoses

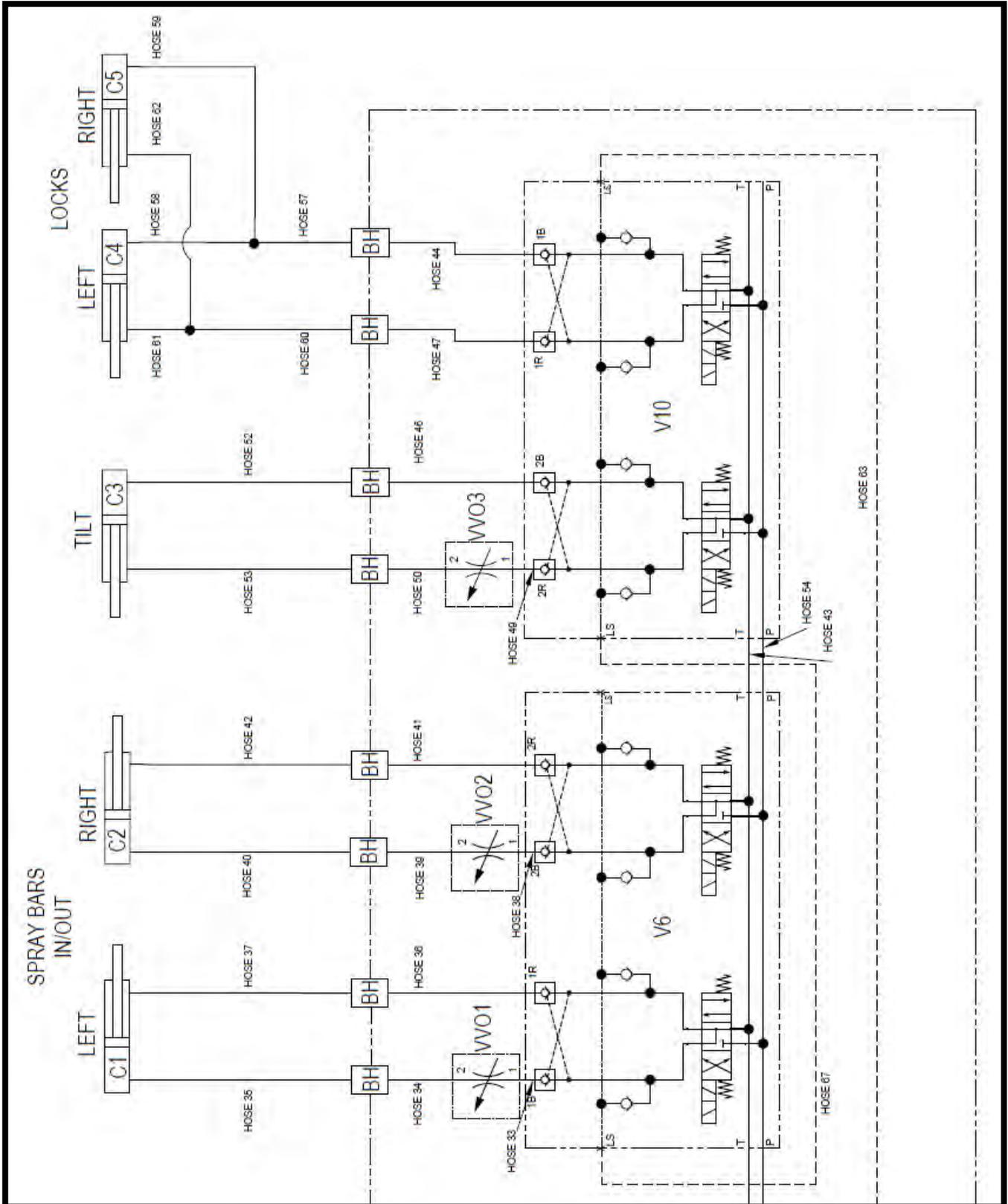


SYSTEM PRESSURE: 2450 PSI

Hydraulic Schematic and Hoses



Hydraulic Schematic and Hoses



Hydraulic Schematic and Hoses

Hydraulic Hoses – Outside Pump Station

<u>HOSE NUMBER</u>	<u>PART NUMBER CAT</u>	<u>PART NUMBER VOLVO</u>	<u>DESCRIPTION</u>
1	IDX20304	(none)	P1.B to BULKHEAD
7	IDX20389	IDX20915	T BULKHEAD (pump station) to OIL COOLER
9	IDX20363	IDX20916 & IDX20917	FS1 to P1.S
11	IDX20313	IDX20913	P1.L to BULKHEAD
12	IDX20314	(none)	BULKHEAD to TANK
13	IDX20361	IDX20361	OIL COOLER to FR1
14	IDX20388	IDX20914	P BULKHEAD TO BULKHEAD (pump station)
35	IDX20333	IDX20909	BULKHEAD to C1.B
37	IDX20335	IDX20910	BULKHEAD to C1.R
40	IDX20338	IDX20911	BULKHEAD to C2.B
42	IDX20340	IDX20912	BULKHEAD to C2.R
52	IDX20350	IDX20901	BULKHEAD to C3.B
53	IDX20351	IDX20902	BULKHEAD to C3.R
57	IDX20355	IDX20903	BULKHEAD to TEE C4.B-C5.B
58	IDX20356	IDX20904	TEE to C4.B
59	IDX20357	IDX20905	TEE to C5.B
60	IDX20358	IDX20906	BULKHEAD to TEE C4.R-C5.R
61	IDX20359	IDX20907	TEE to C4.R
62	IDX20360	IDX20908	TEE to C5.R
64	IDX20368	IDX20918	SV2.2 to P1.LS

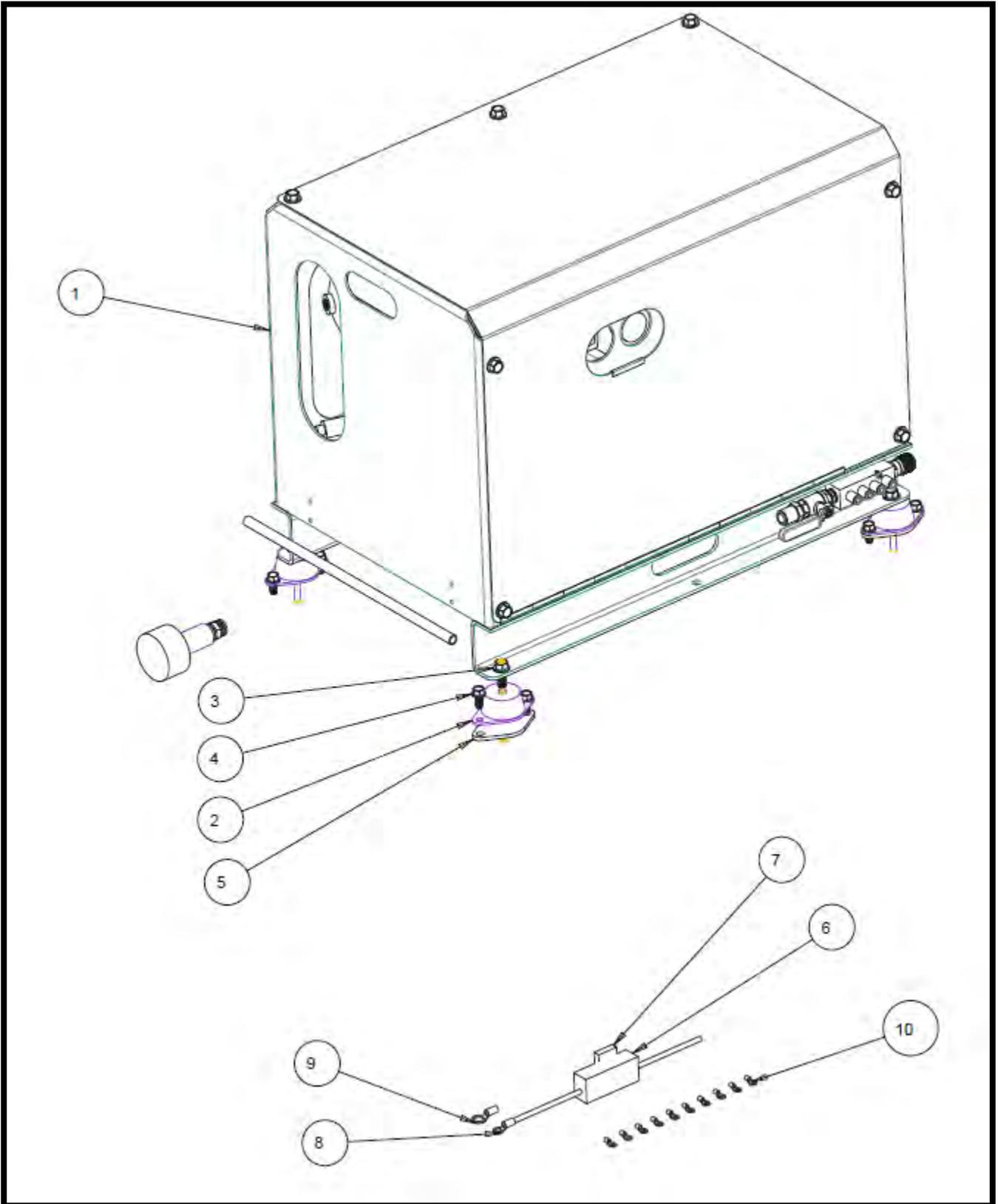
Hydraulic Hoses – Inside Pump Station

<u>HOSE NUMBER</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
15	IDX20317	TEE to V5.4
16	IDX20318	V2.3 to V4.2
17	(no hose)	V2.2 PLUG
18	IDX20319	TEE to V3.1
19	IDX20320	V5.2 to V3.3
21	IDX20322	V4.1 to M2.A
22	IDX20323	M2.B to V4.3
23	IDX20324	M3.B to V5.3
24	IDX20325	V5.1 to M3.A
25	(no hose)	V3.2 PLUG
27	IDX20327	TEE to V2.1 TEE
28	IDX20328	TEE to V6.T
29	IDX20329	TEE to V6.P
30	IDX20330	V4.4 to TANK TEE
31	(no hose)	TANK TEE to BULKHEAD
32	(no hose)	P BULKHEAD to TEE
33	IDX20331	V6.1B to VV01.1
34	IDX20332	VV01.2 to BULKHEAD
36	IDX20334	V6.1R to BULKHEAD
38	IDX20336	V6.2B to VV02.1
39	IDX20337	VV02.2 to BULKHEAD
41	IDX20339	V6.2R to BULKHEAD
43	IDX20372	V6.T to V10.T
44	IDX20377	V10.1B to BULKHEAD
46	IDX20375	V10.2B to BULKHEAD
47	IDX20376	V10.1R to BULKHEAD
49	IDX20374	V10.2R to VV03.1
50	IDX20348	VV03.2 to BULKHEAD
54	IDX20373	V6.P to V10.P
63	IDX20367	SV1.1 to V10.LS
65	IDX20369	SV1.3 to V2.3 TEE
66	IDX20370	SV2.3 to V3.3 TEE
67	IDX20371	V6.LS to V10.LS
68	IDX20366	SV1.2 to SV2.1

Hose wrap

2"	IDX20245	Hose wrap, 2"
3"	IDX11171	Hose wrap, 3"
6"	IDX20246	Hose wrap, 6"
7"	IDX20247	Hose wrap, 7"

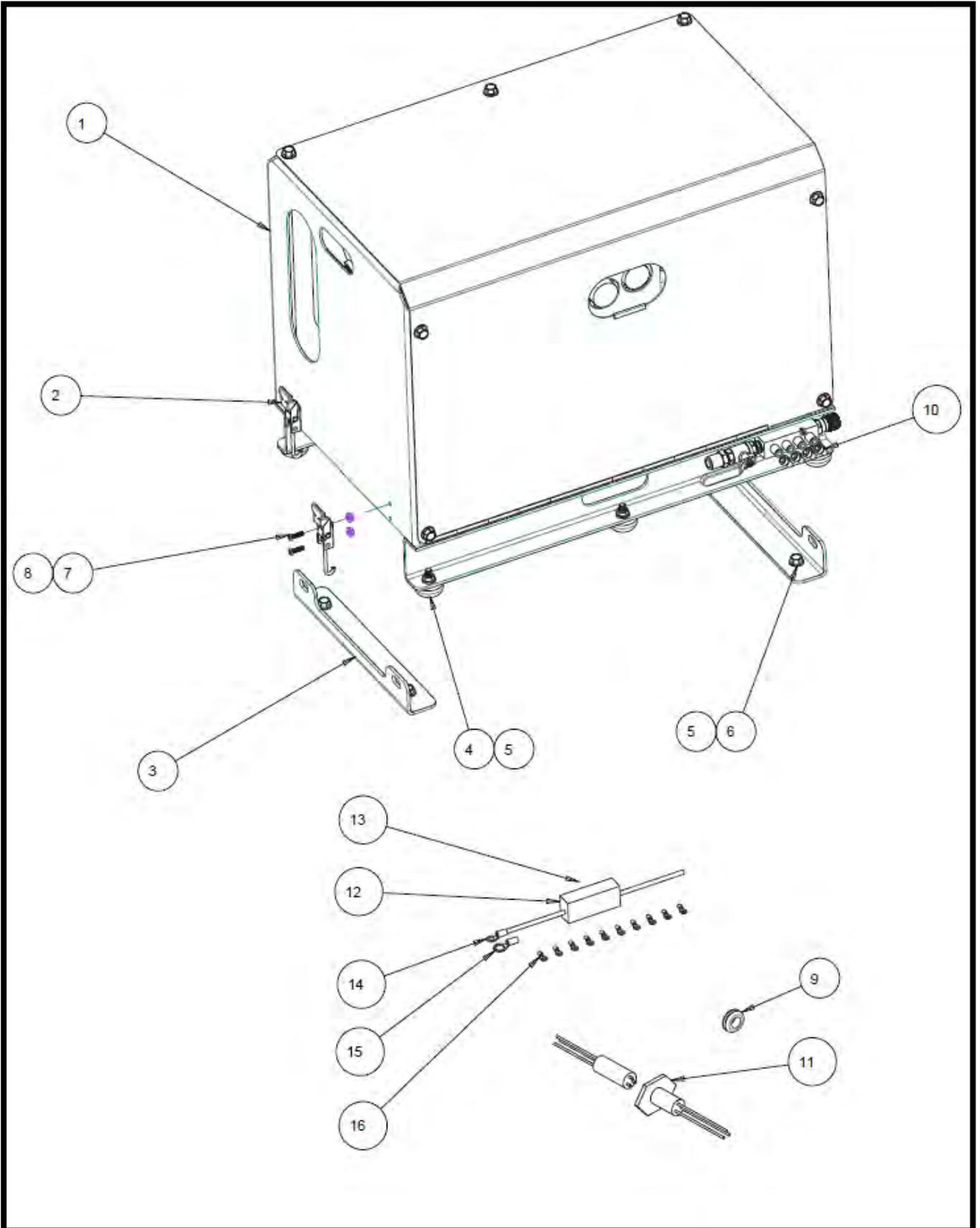
Compressor Install, Cat – IDX20760



Compressor Install, Cat – IDX20760

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20520	1	ASM, PNEUMATIC GROUP
2	IDX20494	4	VIB DAMPING MOUNT
3	IDX10195	4	FHHCS SERR 3/8-16 X 1" LG ZN
4	IDX10369	8	HHCS FLG 5/16-18 X 3/4 LG
5	IDX20493	2	PLATE, SPACER
6	IDX20587	1	FUSE HOLDER, INLINE, MAXI
7	IDX20586	1	FUSE, 30 AMP, MAXI
8	IDX20651	1	TERM. RING, 5/16", 12-10 AWG, YLW
9	IDX20652	1	TERM. RING, 1/2", 12-10 AWG, YLW
10	IDX20648	10	TERM. RING, #10, 12-10 AWG, YLW
11	IDX20589	2	CRIMP CAP, 12-18AWG
12	IDX20588	2	BUTT SPLICE, 10-12AWG, HT SHRINK
13	IDX21230	25 FT	WIRE, #10 AWG RED GLX
14	IDX21231	25 FT	WIRE, #10 AWG BLACK GXL
15	IDX21229	10	WIRE, SO CORD #10-3/C
16	IDX23336	6	WIRE, 20 AWG GXL, GRY
17	IDX10261	1	HEAT SHRINK, 3/4" BLK

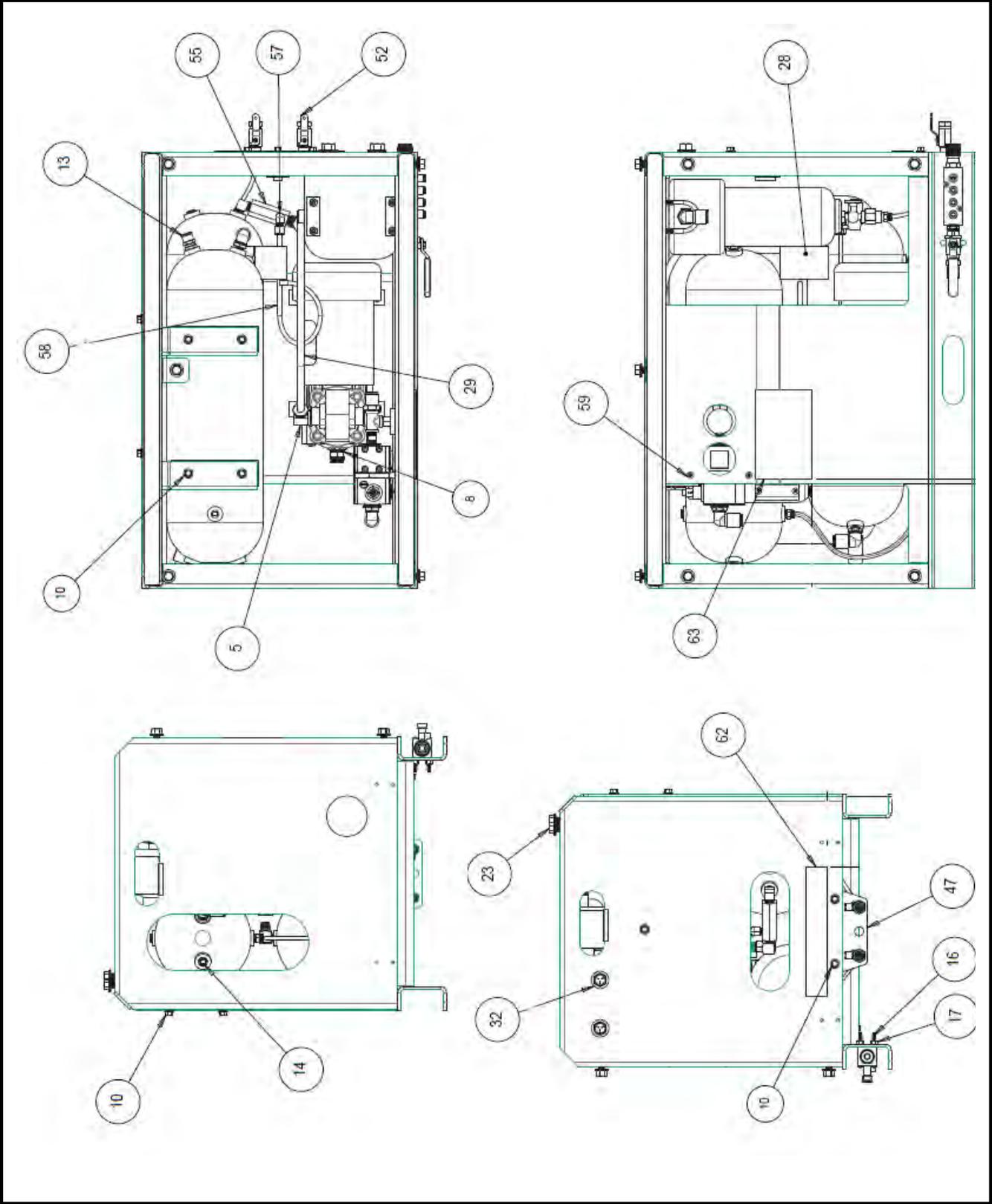
Compressor Install, Volvo – IDX20740



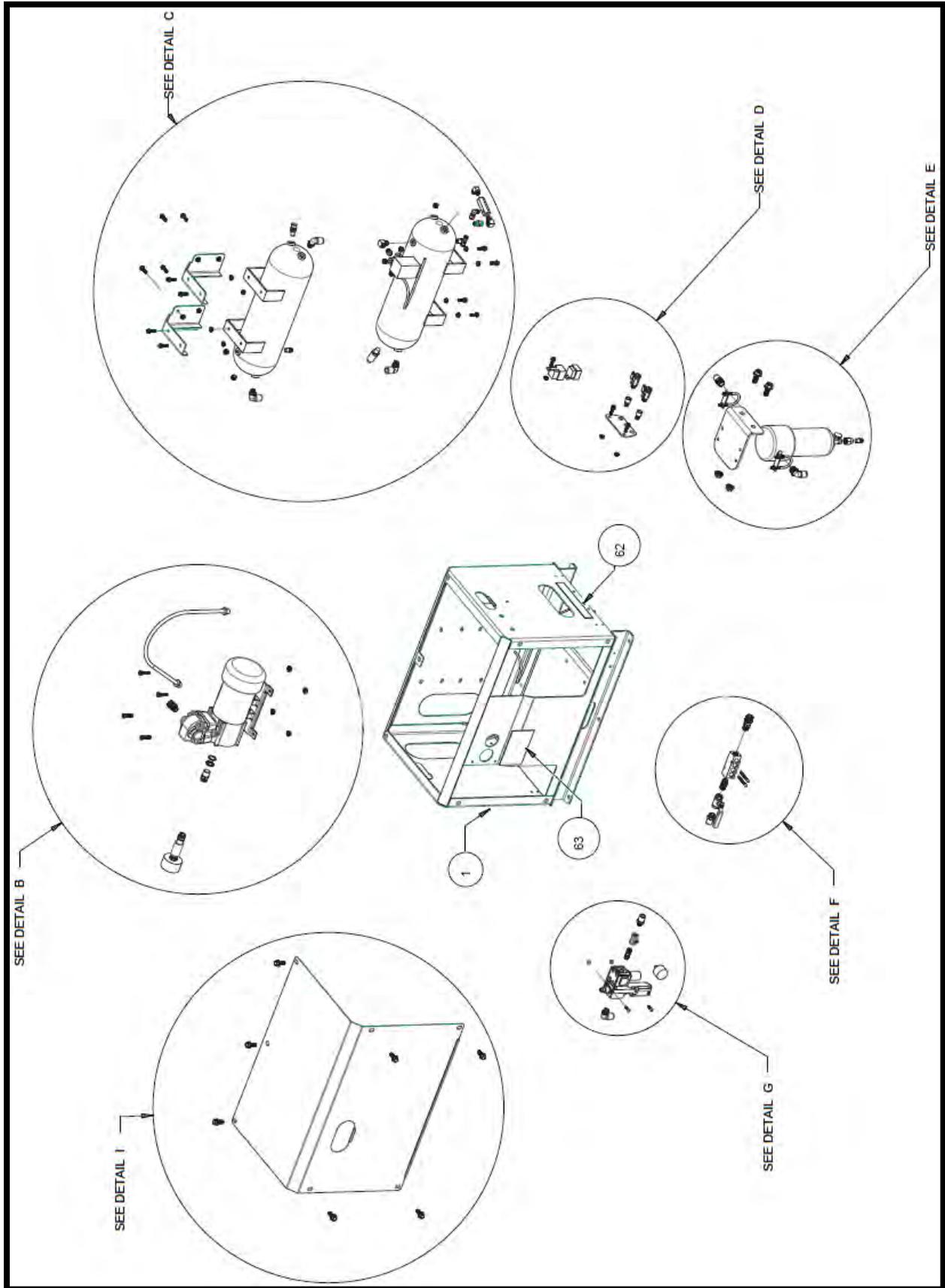
Compressor Install, Volvo – IDX20740

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20520	1	ASM, PNEUMATIC GROUP
2	IDX20746	4	LATCH, ADJ. DRAW
3	IDX20741	2	SHEET, FORMED, COMP MNT BKT
4	IDX20747	6	BUMPER, RND, POLYURETHANE
5	IDX10187	10	SERR FLG HEX NUT 3/8-16
6	IDX10195	4	FHHCS SERR 3/8-16 X 1" LG ZN
7	IDX10761	8	MACH SCREW, 10-24 X 3/4
8	IDX10902	8	NUT, #10-24 FLANGE NYLOCK
9	IDX20758	1	GROMMET, FOR 1"ID, 3/16 THICK
10	IDX20750	4	UNION ELBOW, 1/4" PUSH 90, BRASS
11	IDX20749	1	KIT, PLUG & RECPT, 10 GA
12	IDX20587	1	FUSE HOLDER, INLINE, MAXI
13	IDX20586	1	FUSE, 30 AMP, MAXI
14	IDX20651	1	TERM. RING, 5/16", 12-10 AWG, YLW
15	IDX20652	1	TERM. RING, 1/2", 12-10 AWG, YLW
16	IDX20648	10	TERM. RING, #10, 12-10 AWG, YLW
17	IDX20588	2	BUTT SPLICE, 10-12AWG, HT SHRINK
18	IDX20589	2	CRIMP CAP, 12-18AWG
19	IDX21230	25 FT	WIRE, #10 AWG RED GLX
20	IDX21231	25 FT	WIRE, #10 AWG BLACK GXL
21	IDX21229	10 FT	WIRE, SO CORD #10-3/C
22	IDX23336	6 FT	WIRE, 20 AWG GXL, GRY
23	IDX10261	1	HEAT SHRINK, 3/4" BLK

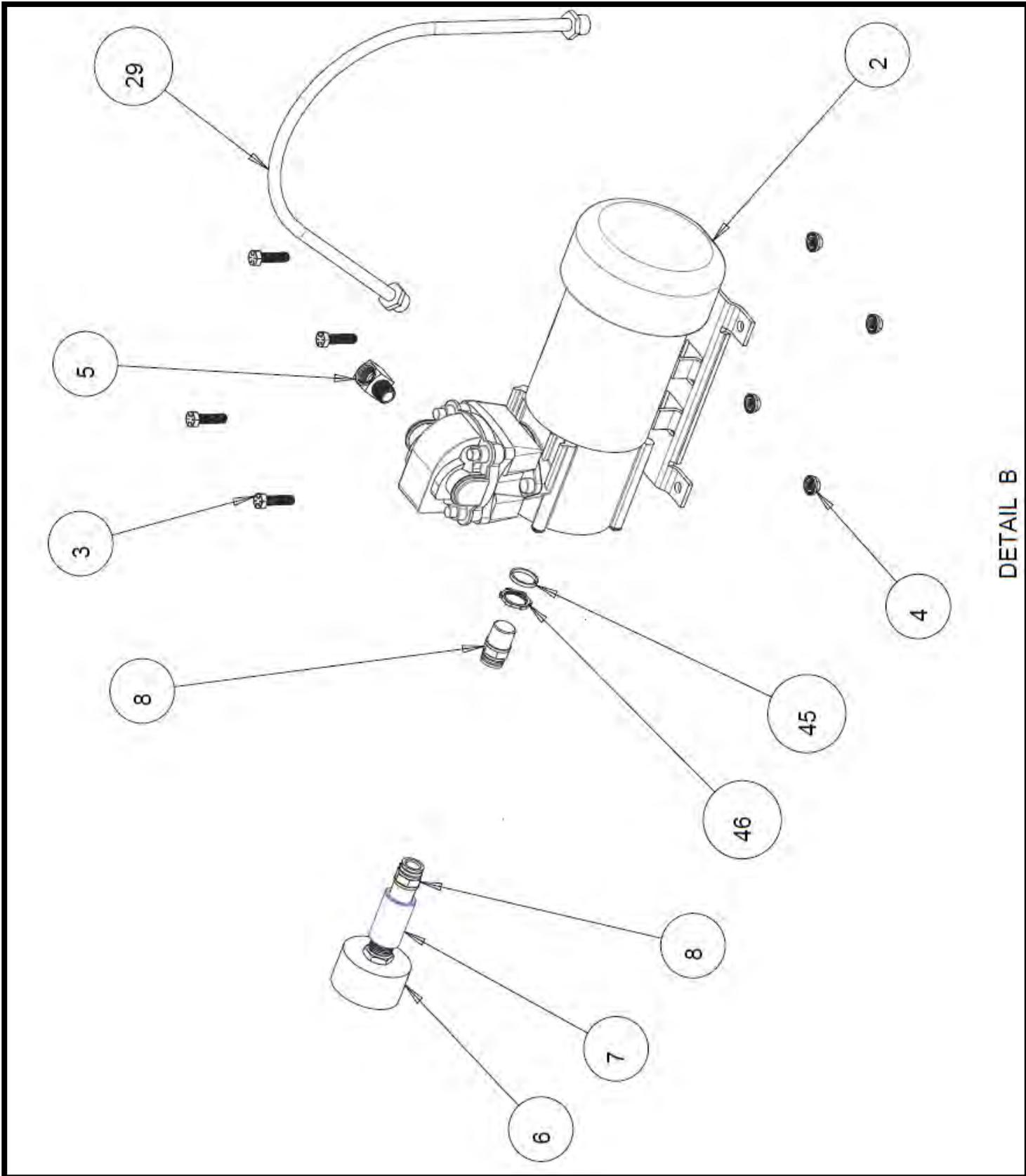
Air Compressor Assembly – IDX20520



Air Compressor Assembly

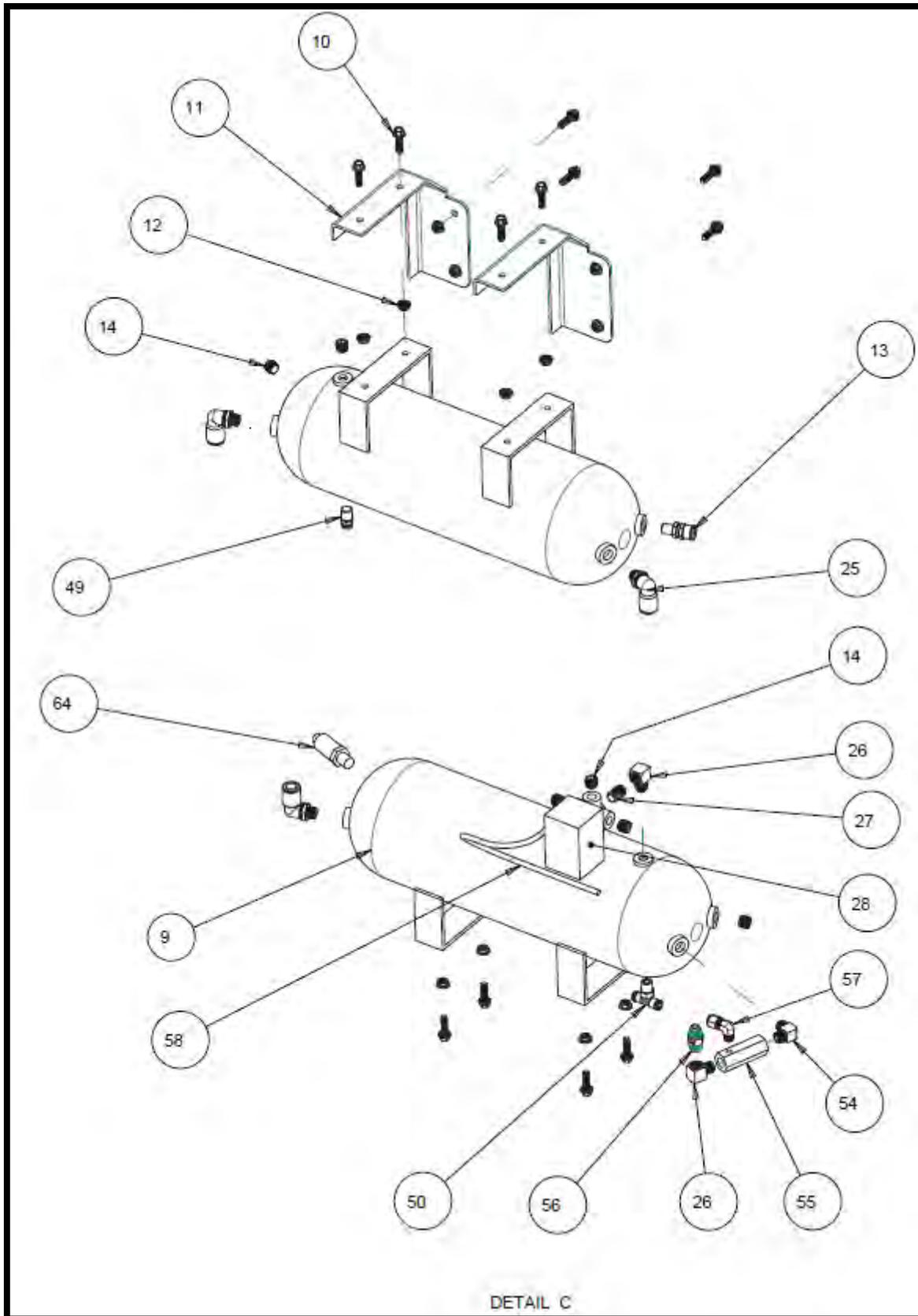


Air Compressor Assembly

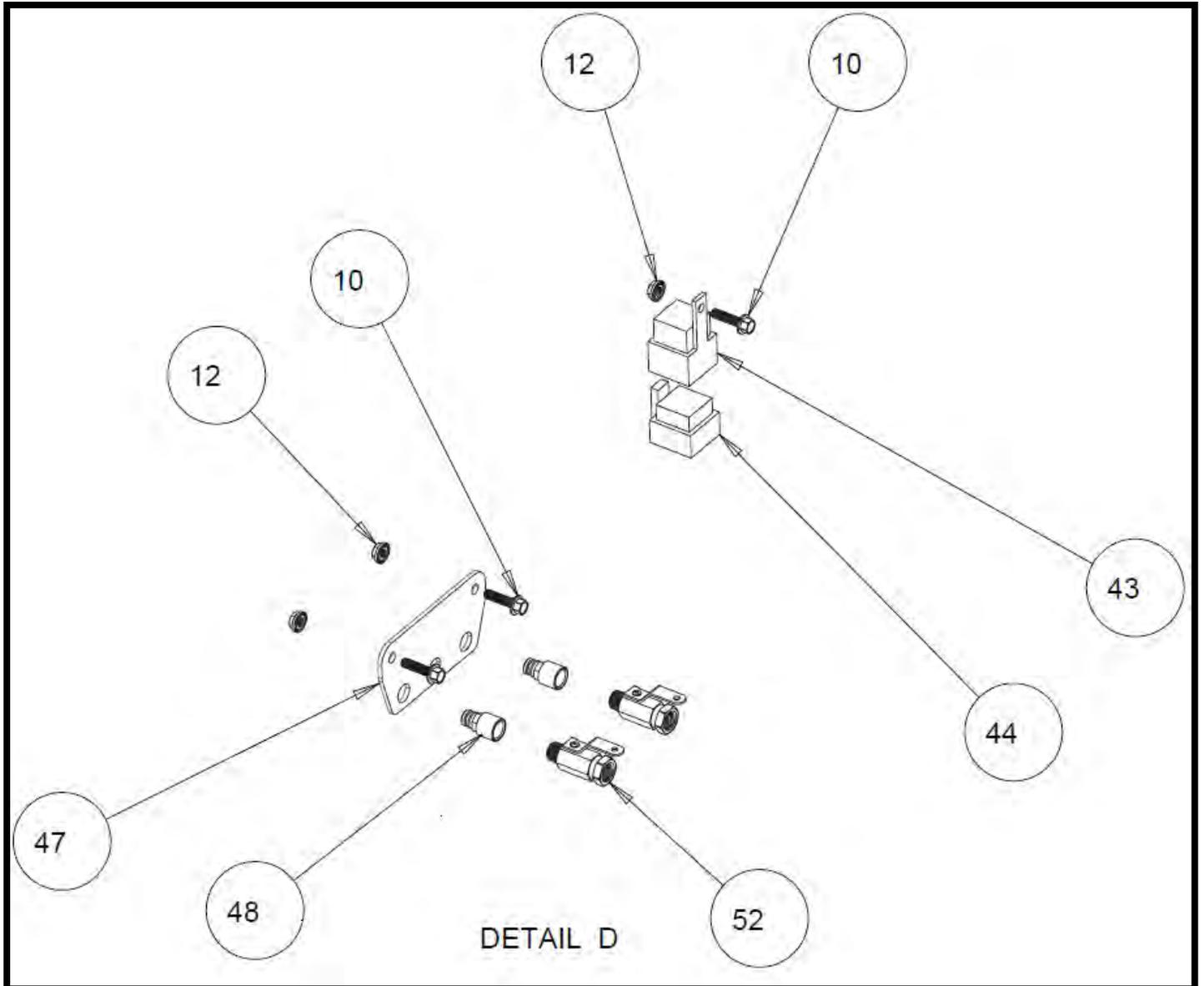


DETAIL B

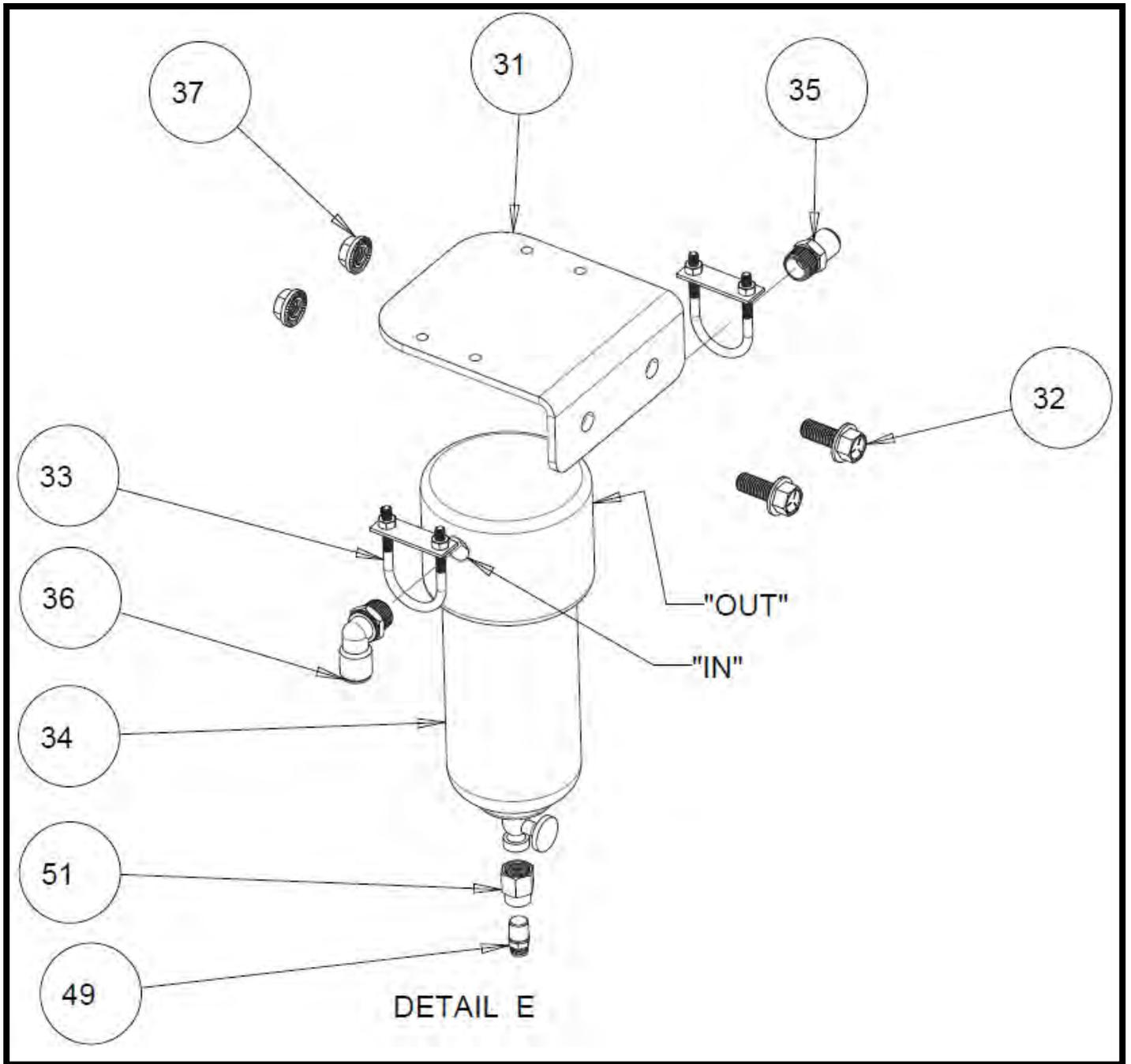
Air Compressor Assembly



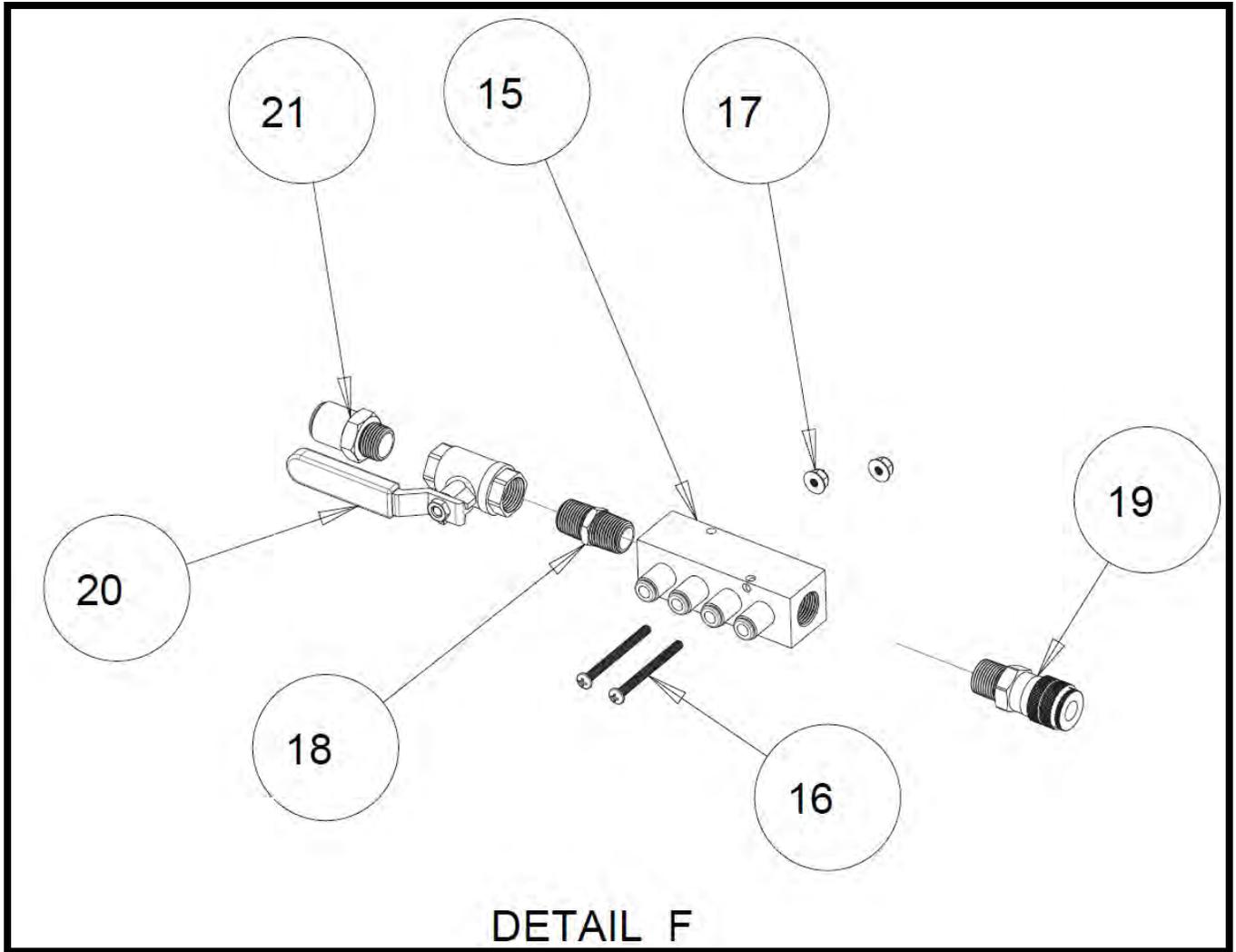
Air Compressor Assembly



Air Compressor Assembly

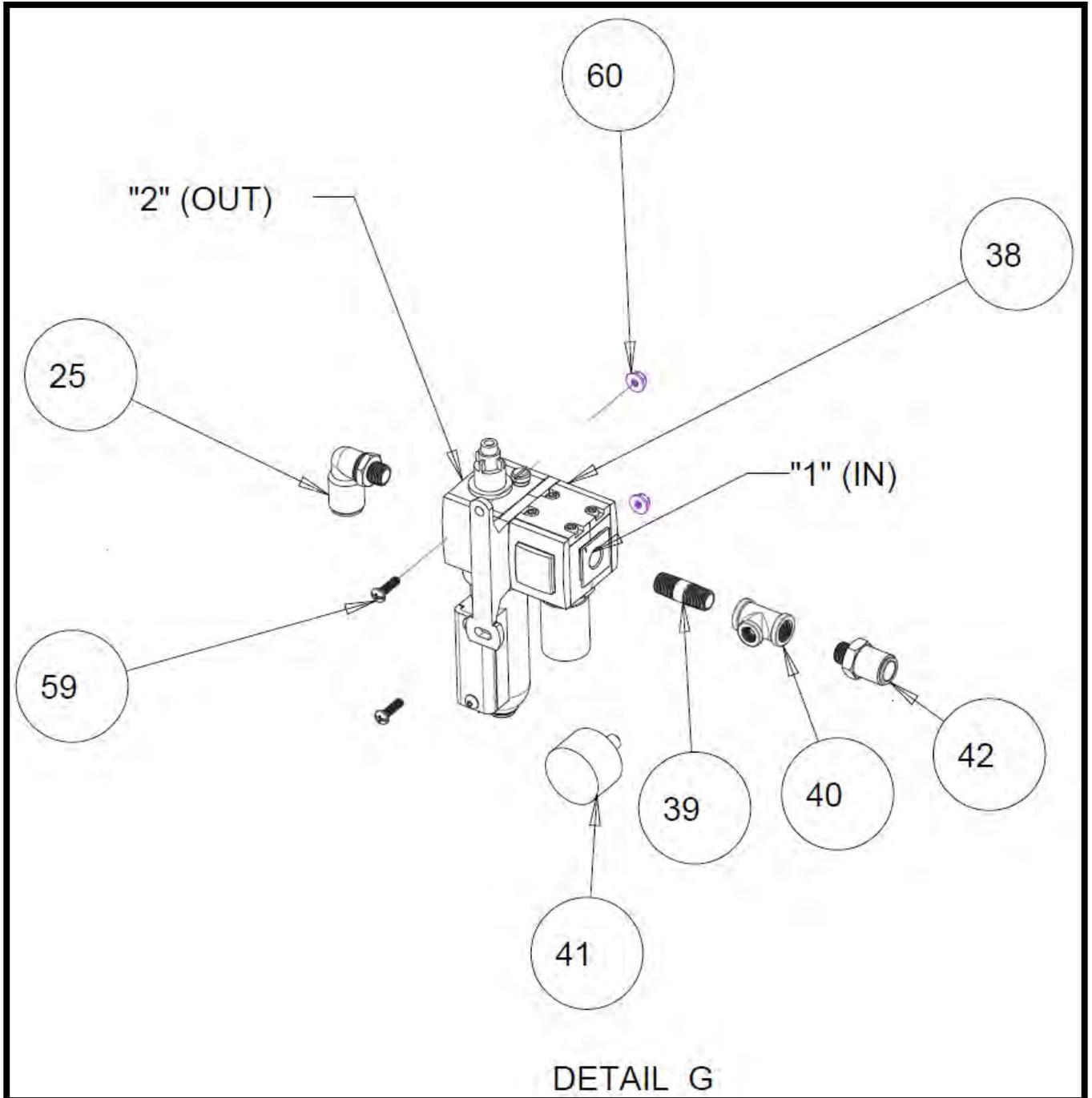


Air Compressor Assembly

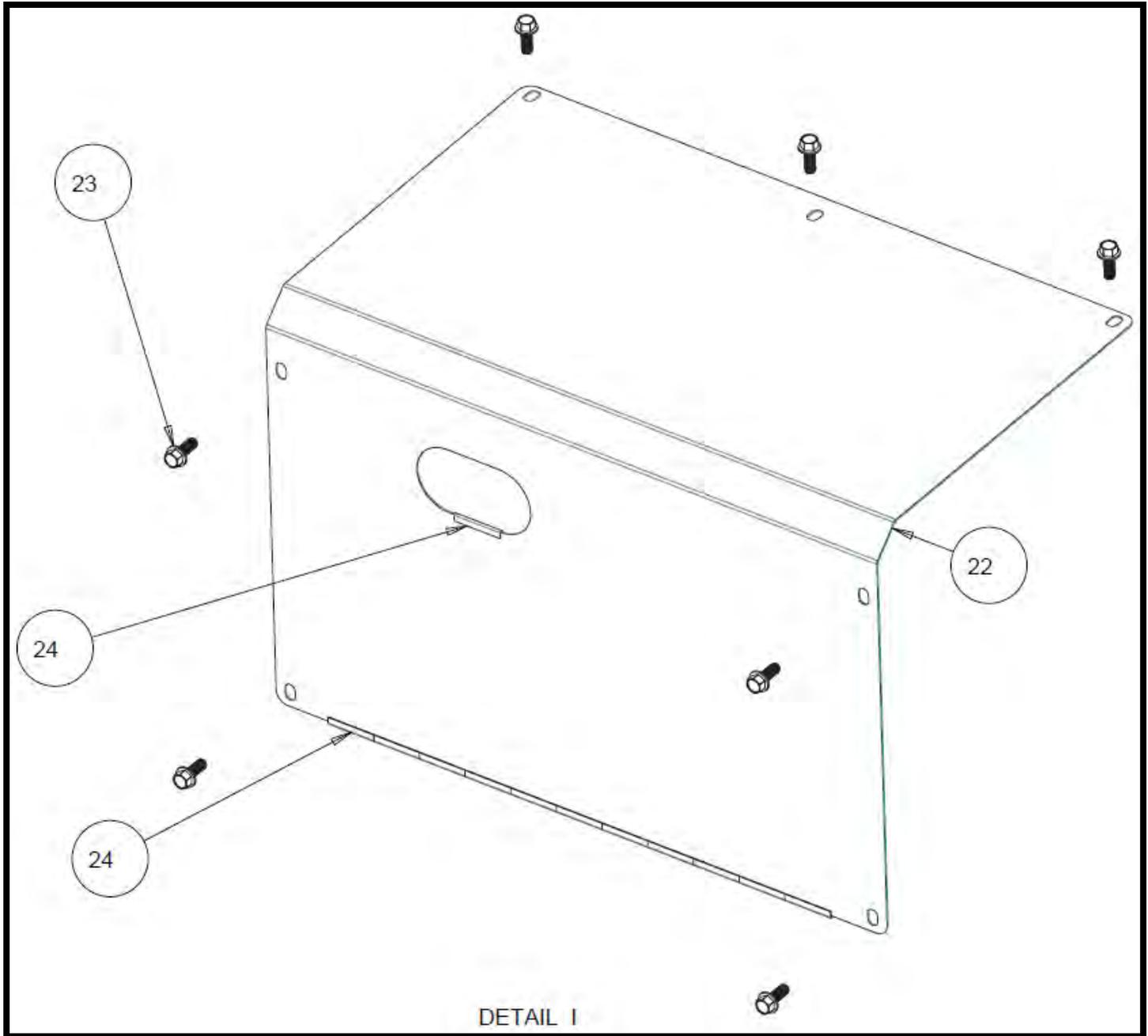


DETAIL F

Air Compressor Assembly



Air Compressor Assembly

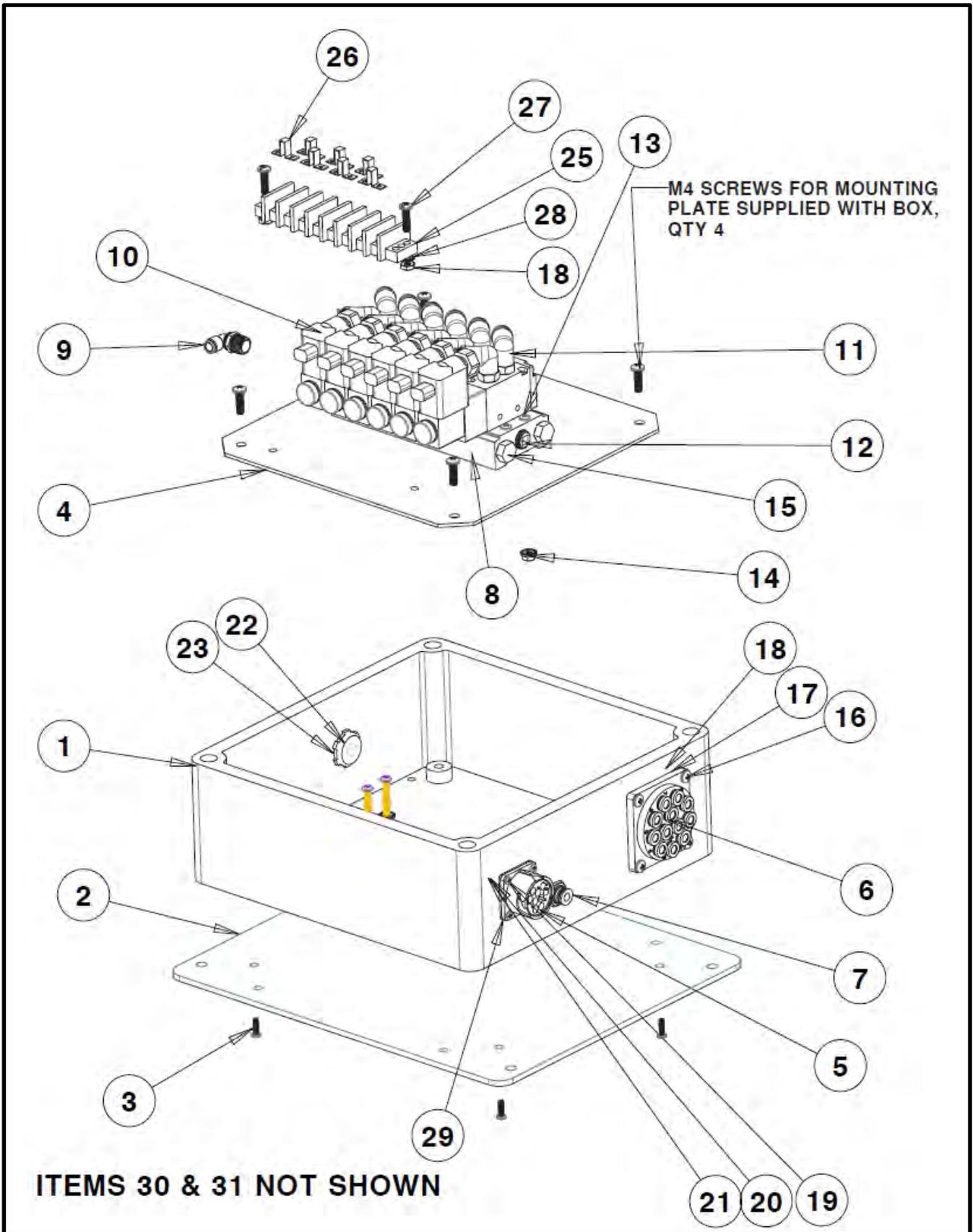


Air Compressor Assembly – IDX20520

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX20521	1	WMT, COMPRESSOR SKID
2	IDX20701	1	AIR COMPRESSOR, ELECTRIC
3	IDX20214	4	HHCS 5/16-18 X 1.25
4	IDX10189	4	SERR HEX FLG NUT 5/16-18
5	IDX20181	1	ELBOW, STREET, 3/8 NPT
6	IDX11031	1	AIR CLEANER, COMPRESSOR
7	IDX10665	1	COUPLING, 1/2" NPT
8	IDX20818	2	FITTING, 1/2 PUSH-IN TO 1/2 MNPT
9	IDX10766	2	AIR TANK, 2 GAL
10	IDX10198	15	FHHCS SERR 1/4-20 X 1" LG ZN
11	IDX20805	2	BKT, AIR TANK
12	IDX10194	15	SERR-FLG HEX LKNUT ZN 1/4-20
13	IDX10872	1	RELIEF VALVE, 1/4"
14	IDX10052	6	PLUG, 1/4 NPT, SQ SOCKET DRIVE
15	IDX20260	1	AIR MANIFOLD, 4 PORT PUSH-IN
16	IDX20540	2	PHMS, #8-32 X 2" LG
17	IDX20098	2	HEX NUT, 8-32, FLG, NYLOCK
18	IDX20262	1	PIPE NIPPLE, 3/8 NPT X 1"
19	IDX20261	1	AIR ADAPTER, 1/4 QD, 3/8 MNPT
20	IDX20183	1	VALVE, MANUAL BALL, 3/8 NPT
21	IDX20045	1	ADAPTOR, 1/2 X 3/8
22	IDX20542	1	COVER, AIR COMPRESSOR
23	IDX10195	7	FHHCS SERR 3/8-16 X 1" LG ZN
24	IDX20248	14 FT	EDGE TRIM, PLASTIC, METAL CORE
25	IDX10876	4	FITTING, 1/2" TUBE X 1/4" NPT 90 SWIVEL
26	IDX20806	2	FITTING, 1/4 NPT STREET ELBOW, BRASS
27	IDX11242	1	PIPE NIPPLE, 1/4" NPT X 7/8" LG
28	IDX20711	1	PRESSURE SWITCH/RELAY
29	IDX20804	1	HOSE, BRAIDED, 3/8 NPT, 24 IN
30	IDX10874	12 FT	TUBING, NYLON 1/2" OD BLACK
31	IDX20544	1	PLATE, FILTER MOUNT
32	IDX23411	2	HHFCS 1/2-13 X 1.25
33	IDX20545	2	U-BOLT, 1/4 X 1 1/2 X 2 3/4
34	IDX20290	1	FILTER ASMB
	IDX20291		REPLACEMENT ELEMENT FOR IDX20290
35	IDX20551	1	ADAPTER, 1/2 TUBE X 1/2 NPT ST
36	IDX20295	1	ELBOW, 1/2 TUBE, 1/2 NPT
37	IDX10191	2	SERR FLG HEX NUT 1/2"-13
38	IDX20801	1	KIT, REGULATOR & LUBRICATOR
	IDX20802		REGULATOR ALONE FOR REPLACEMENT
	IDX20803		LUBRICATOR ALONE FOR REPLACEMENT
39	IDX20049	1	PIPE NIPPLE, 1/4 X 1 1/2
40	IDX20193	1	TEE, 1/4 RUN, 1/8 BRANCH

41	IDX20047	1	GAUGE 0-160 PSI, 1.5" FACE
42	IDX20194	1	FITTING, 1/2 TUBE TO 1/4 NPT STR
43	IDX20714	1	RELAY, 40A SPDT
44	IDX20715	1	RELAY SOCKET, FLYING LEADS
45	IDX10285	1	SEAL RING, CONDUIT 1/2"
46	IDX20179	1	LOCKNUT, 1/2 NPT CONDUIT
47	IDX20812	1	SHT, DRAIN BKHD
48	IDX20807	2	FITTING, BKHD, 1/4 PUSH-IN - 1/4 FNPT
49	IDX20809	2	FITTING, 1/4 PUSH-IN - 1/4 MNPT STR
50	IDX20810	1	TEE, BRANCH, 1/4 PUSH, 1/4 MNPT
51	IDX20811	1	REDUCER, 3/8 FNPT TO 1/4 FNPT
52	IDX20814	2	VALVE, 1/4 MNPT - 1/4 FNPT
53	IDX10868	4 FT	TUBING, 1/4" OD, PNEUMATIC, NAT
54	IDX20813	1	FITTING, MALE ELBOW, 1/4 NPT
55	IDX20765	1	VALVE, CHK, 1/4 FNPT, 1/8 FNPT UNLOAD
56	IDX20713	1	ADAPTER, 6MJ-4MP STR, BRASS
57	IDX20767	1	FITTING, 1/4 COMP. X 1/8 MNPT, 90
58	IDX20768	2	TUBE, COPPER, 1/4" OD, BENDABLE
59	IDX10761	2	MACH SCREW, 10-24 X 3/4
60	IDX10902	2	NUT, #10-24 FLANGE NYLOCK
61	IDX20817	2 OZ	OIL, AIR TOOL
62	IDX20819	1	DECAL, DRAIN DAILY
63	IDX20820	1	DECAL, CHECK OIL
64	IDX20781	1	SENSOR, PRS, 0-150 PSI

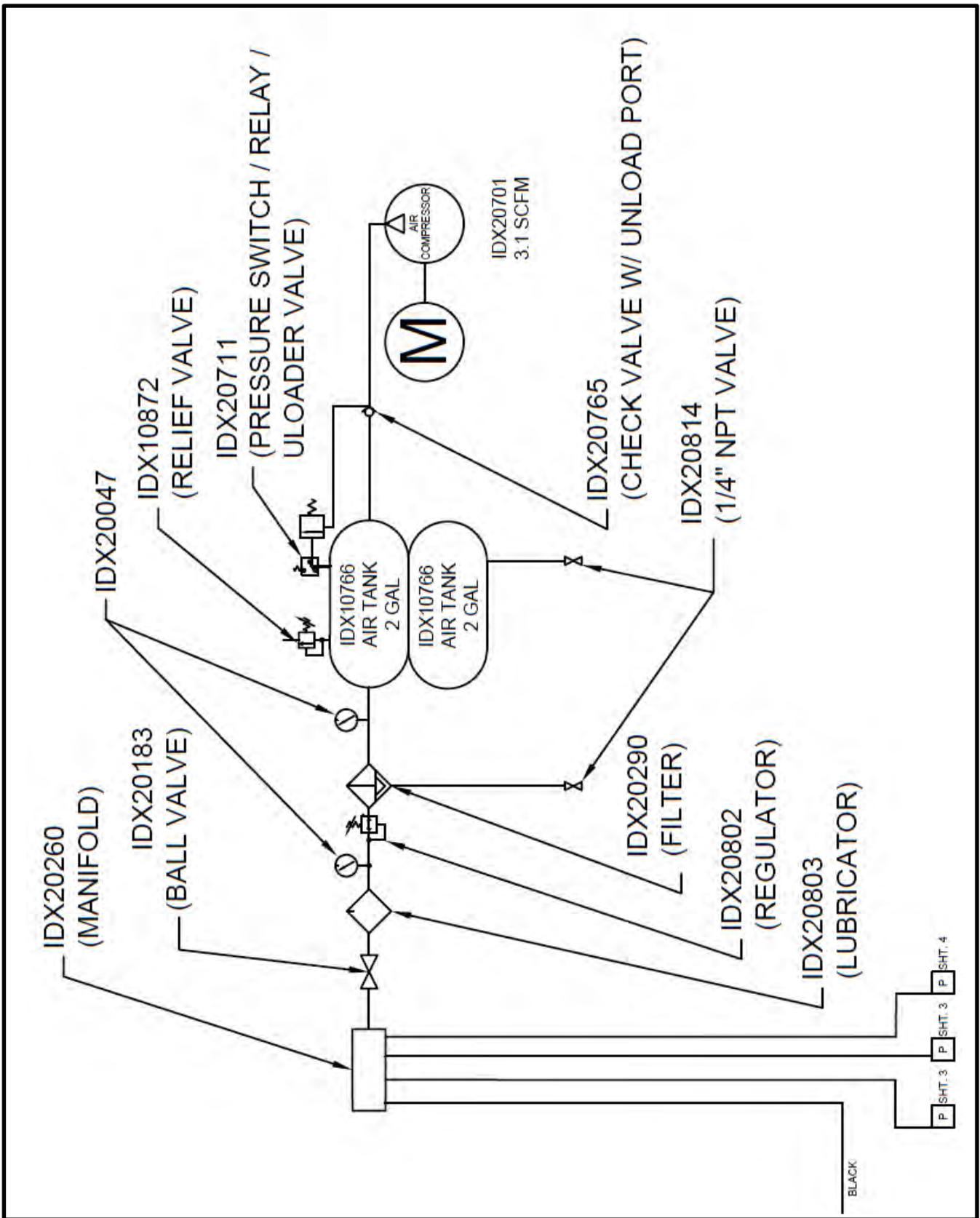
Solenoid Valve Manifold and Enclosure Assembly – IDX23420



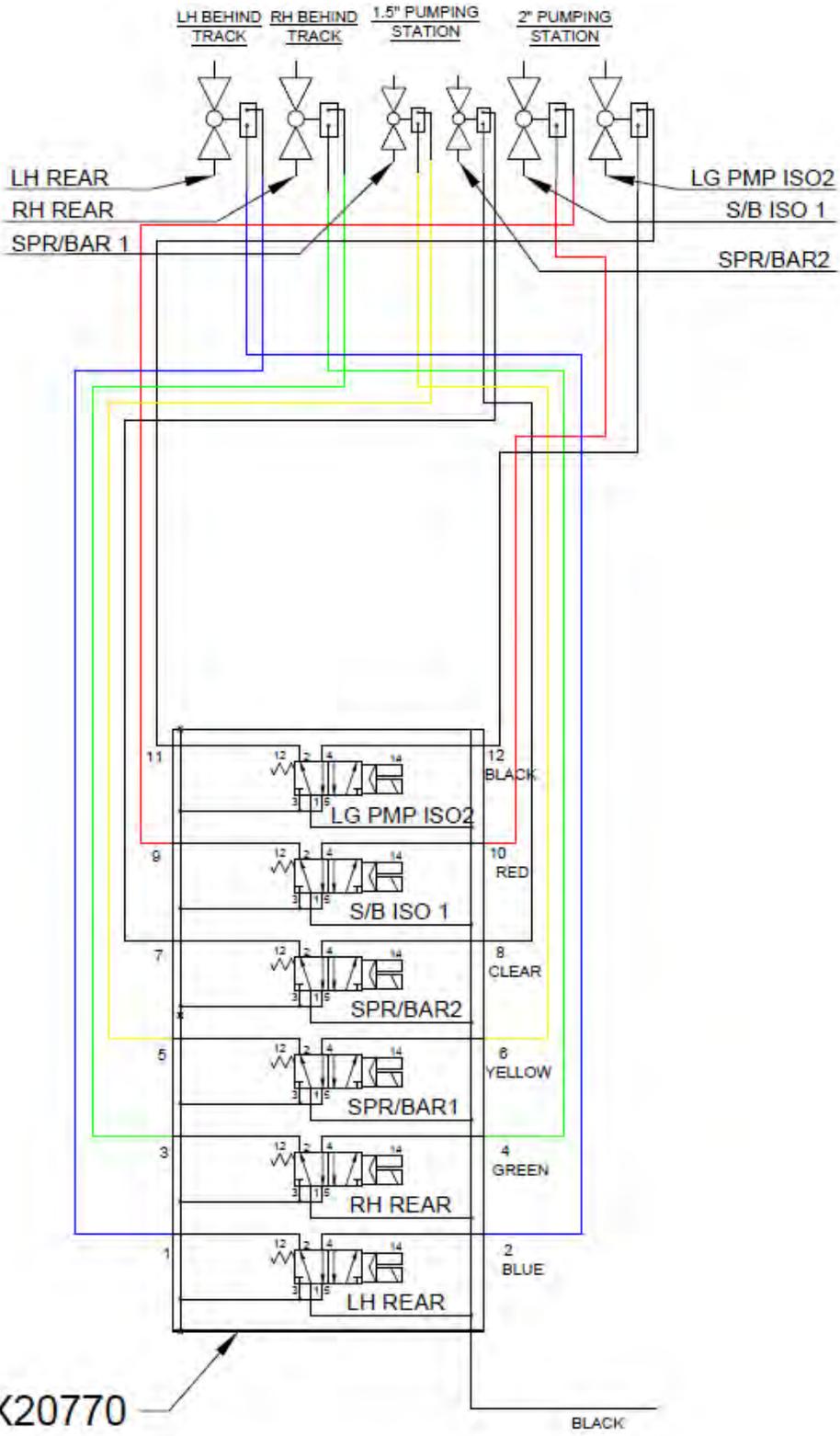
Solenoid Valve Manifold and Enclosure Assembly – IDX23420

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23421	1	ENCLOSURE
2	IDX23417	1	PLATE, AIR BOX MNT
3	IDX11126	4	BOLT, M5-0.8 X 10 MM
4	IDX23422	1	PLATE, INTERIOR MOUNT
5	IDX20621	1	CNCTR RECTP, 9 POS
6	IDX20006	1	BLKHD CONNECTOR, 12 STATION
7	IDX20008	1	BULKHEAD UNION CONNECTOR
8	IDX20770	1	VALVE MANIFOLD PNEUMATIC 6 POS
	IDX20780		VALVE, SINGLE SPARE FOR IDX20770 (order with below)
	IDX20779		KIT, GASKET AND SCREWS FOR VALVE (order with above)
9	IDX10889	1	1/4 NPT X 1/4, 90 DEG PUSH CONNECT
10	IDX10865	6	DIN PLUG
11	IDX10878	12	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
12	IDX10052	1	PLUG, 1/4 NPT, SQ SOCKET DRIVE
13	IDX20278	4	PHMS #8-32, 1 1/2 LG
14	IDX22053	4	8-32 SERRATED-FLGD LOCKNUT STL
15	IDX10267	4	BREATHER VENT, 1/4 NPT
16	IDX20009	4	PAN HEAD SCREW, 10-24 X 1 1/8
17	IDX20011	4	WASHER, #10
18	IDX20012	6	HEX NUT, #10-24
19	IDX20013	4	PAN HEAD SCREW, #4-40 X 3/4"
20	IDX20014	4	WASHER, #4
21	IDX20015	4	HEX NUT, #4-40
22	IDX20178	1	BREATHER VENT, 1/2 NPT
23	IDX20179	1	LOCKNUT, 1/2 NPT CONDUIT
24	IDX23336	1	WIRE, 20 AWG GXL, GRY
25	IDX20486	1	TERMINAL BLOCK, 8 POS
26	IDX20487	7	SHORTING CLIP
27	IDX10761	2	MACH SCREW, 10-24 X 3/4
28	IDX20078	2	WASHER, #10 TOOTH LOCK
29	IDX20642	1	GASKET, FOR 9 POS BLKHD
30	IDX10235	7	CONTACT PIN, SIZE 16
31	IDX10266	2	SEAL PLUG, SIZE 12 & 16
32	IDX20673	13	TERM FORK, 22-18 AWG #8 RED

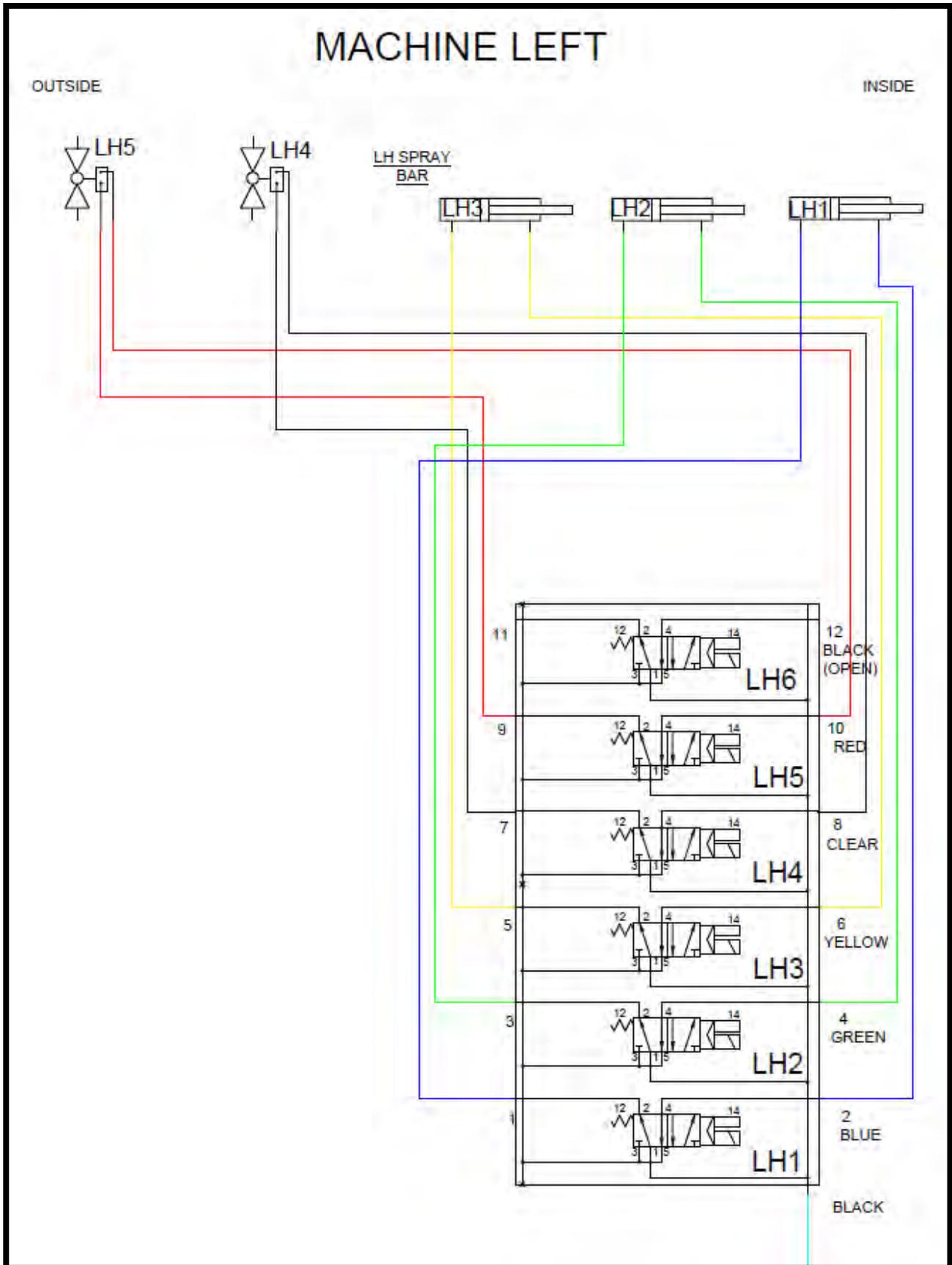
Pneumatic Hoses



Pneumatic Hoses

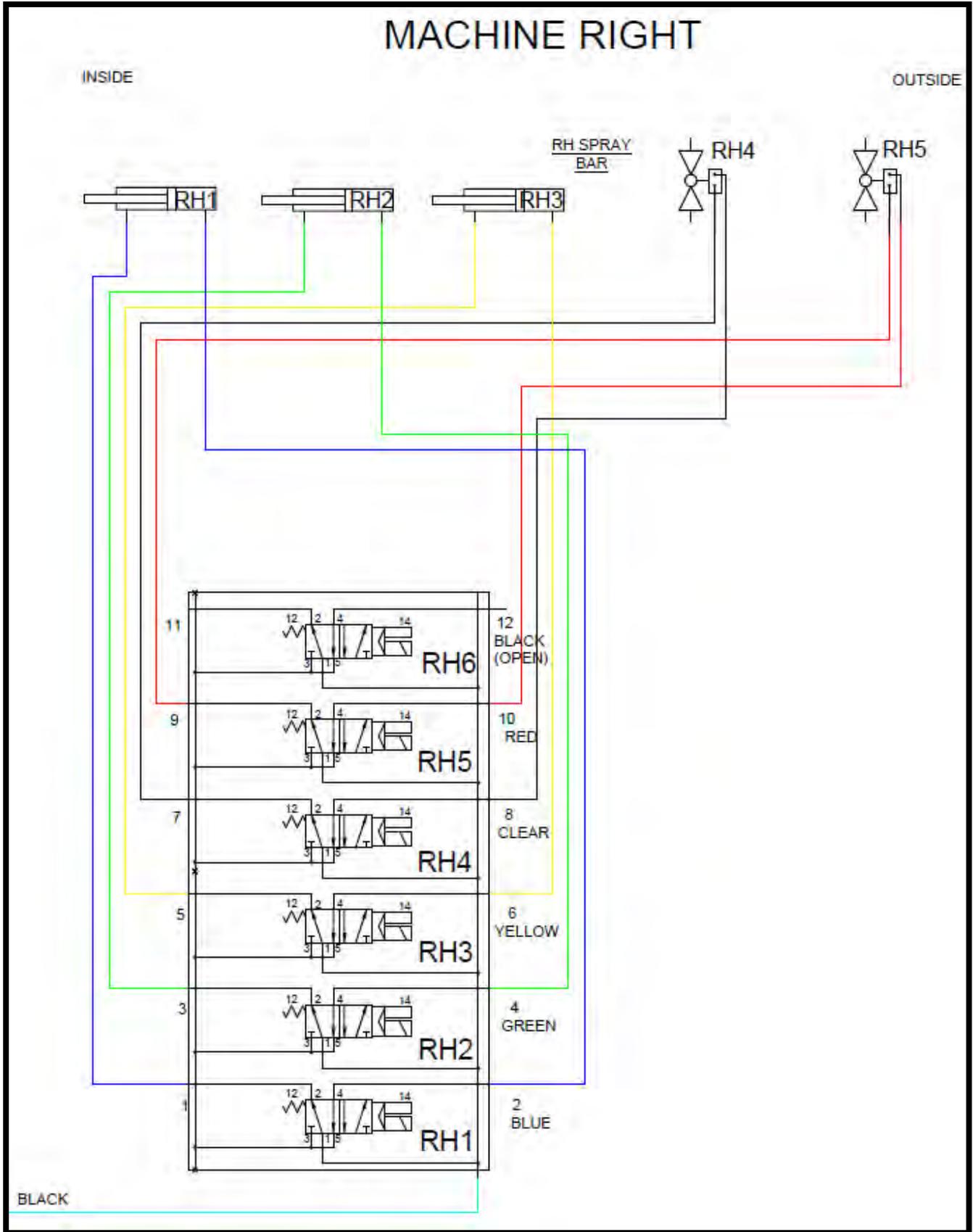


Pneumatic Hoses

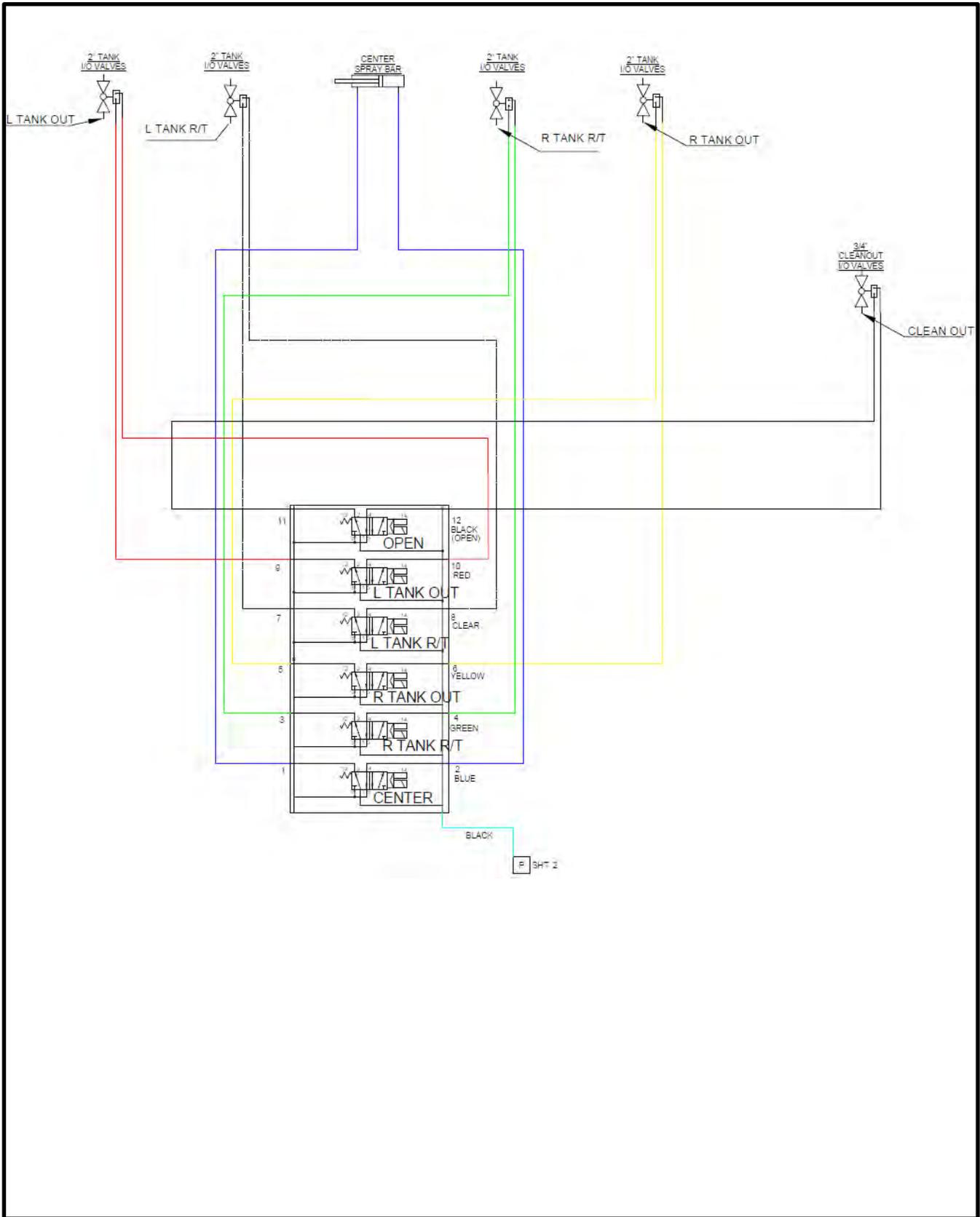


Pneumatic Hoses

MACHINE RIGHT



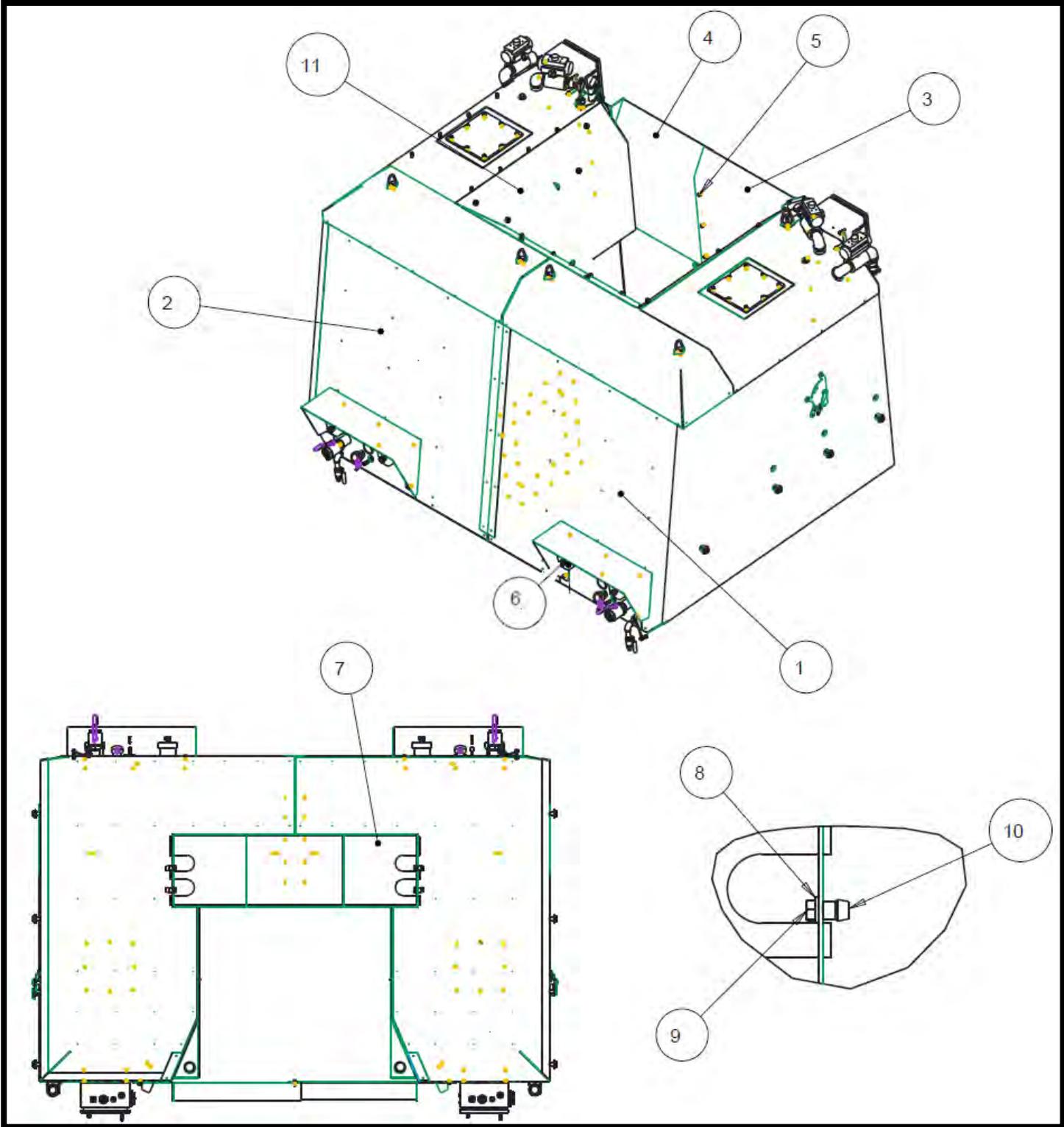
Pneumatic Hoses



Pneumatic Hoses

Blue	IDX10867	¼" tubing, blue
Clear	IDX10868	¼" tubing, clear
Black	IDX10866	¼" tubing, black
Red	IDX20026	¼" tubing, red
Green	IDX20027	¼" tubing, green
Yellow	IDX20028	¼" tubing, yellow
Black	IDX10874	½" tubing, black
	IDX20253	Hose sleeve, nylon HG-32
	IDX20031	Tubing, spiral wrap
	IDX11050	Union, pneumatic, push in, ¼"

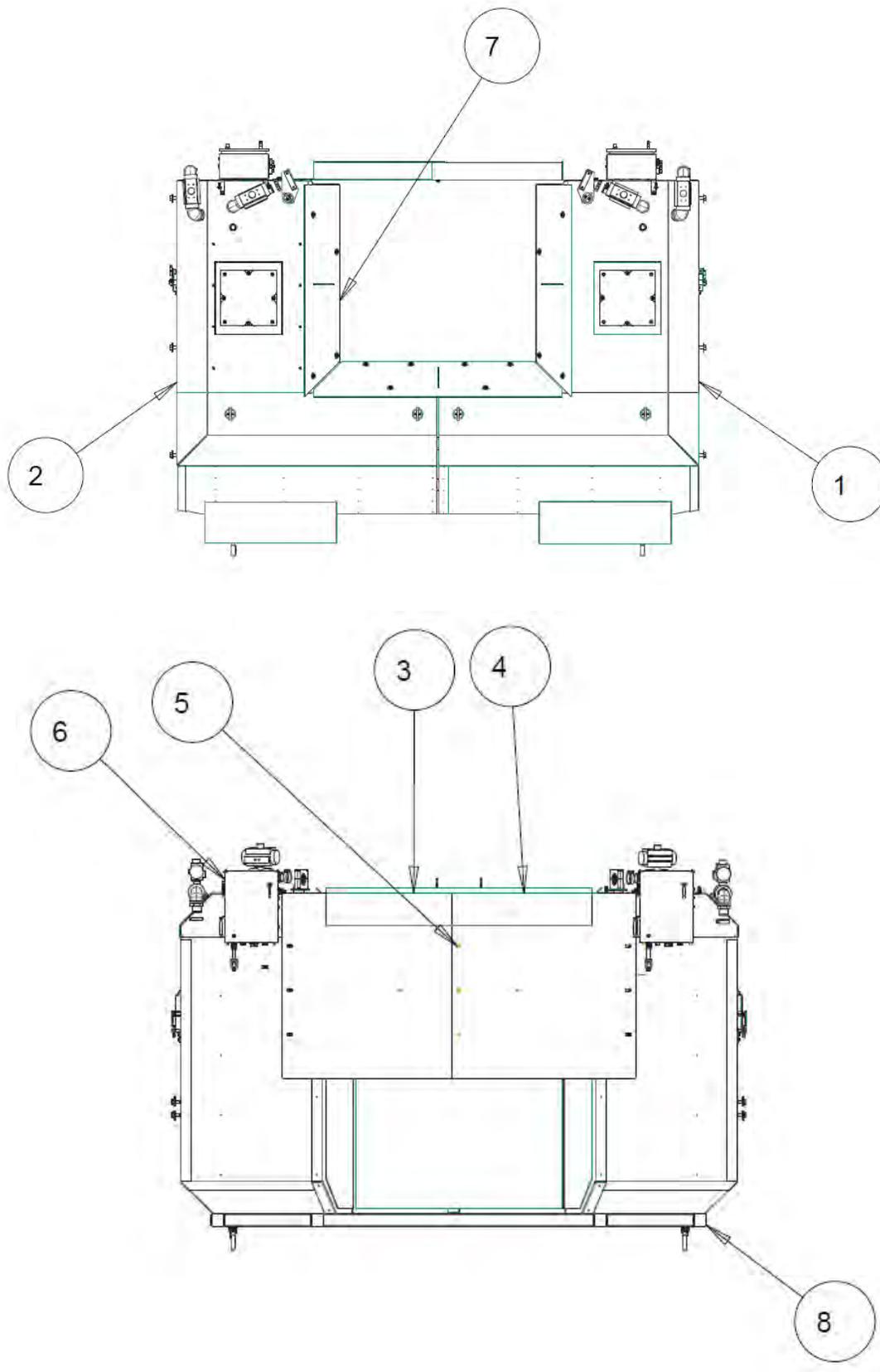
Emulsion Tank Group, Cat – IDX21000



Emulsion Tank Group, Cat – IDX21000

ITEM	PART NO.	QTY	DESCRIPTION
1	IDX21055	1	LEFT TANK GP
2	IDX21057	1	RIGHT TANK GP
3	IDX21198	1	CLOSEOUT REAR LH AS
4	IDX21200	1	CLOSEOUT REAR RH AR
5	IDX10195	9	FHHCS SERR 3/8-16 X 1" LG ZN
6	IDX21001	1	HEATING SYSTEM TANK GRP
7	IDX21193	1	PLATE AS
8	IDX21171	4	WASHER
9	IDX21313	4	HHCS, 3/4-16 X 1.5, GR8
10	IDX21118	4	WELDNUT
11	IDX21290	1	ASSY, HOPPER SLEEVE

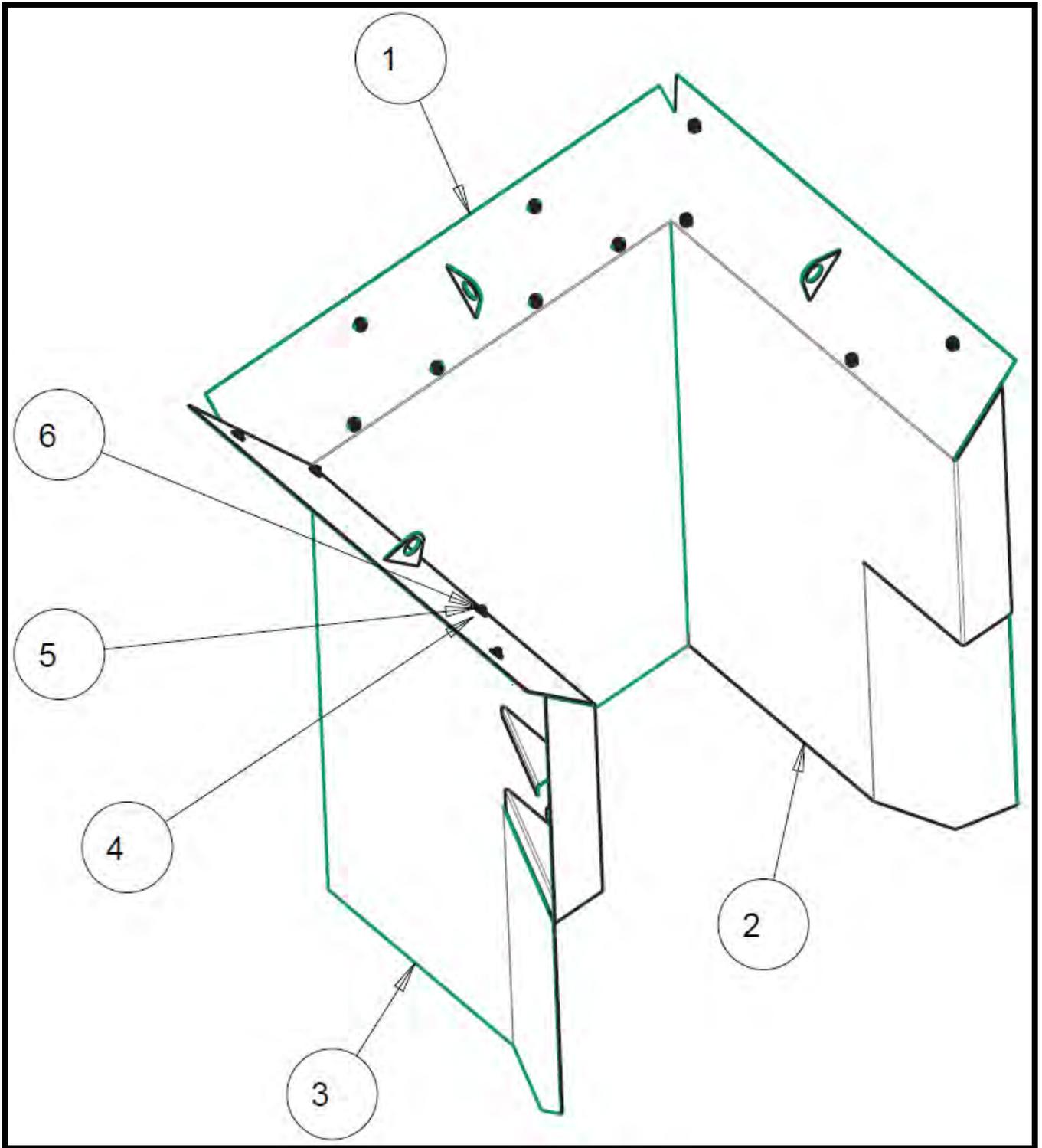
Emulsion Tank Group, Volvo – IDX21400



Emulsion Tank Group, Volvo – IDX21400

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21055	1	LEFT TANK GP
2	IDX21057	1	RIGHT TANK GP
3	IDX21377	1	CLOSEOUT REAR LH
4	IDX21379	1	CLOSEOUT REAR RH
5	IDX10195	9	FHHCS SERR 3/8-16 X 1" LG ZN
6	IDX21001	1	HEATING SYSTEM TANK GRP
7	IDX21290	1	ASSY, HOPPER SLEEVE
8	IDX21380	1	ASSY, TANK BASE, VOLVO HOPPER

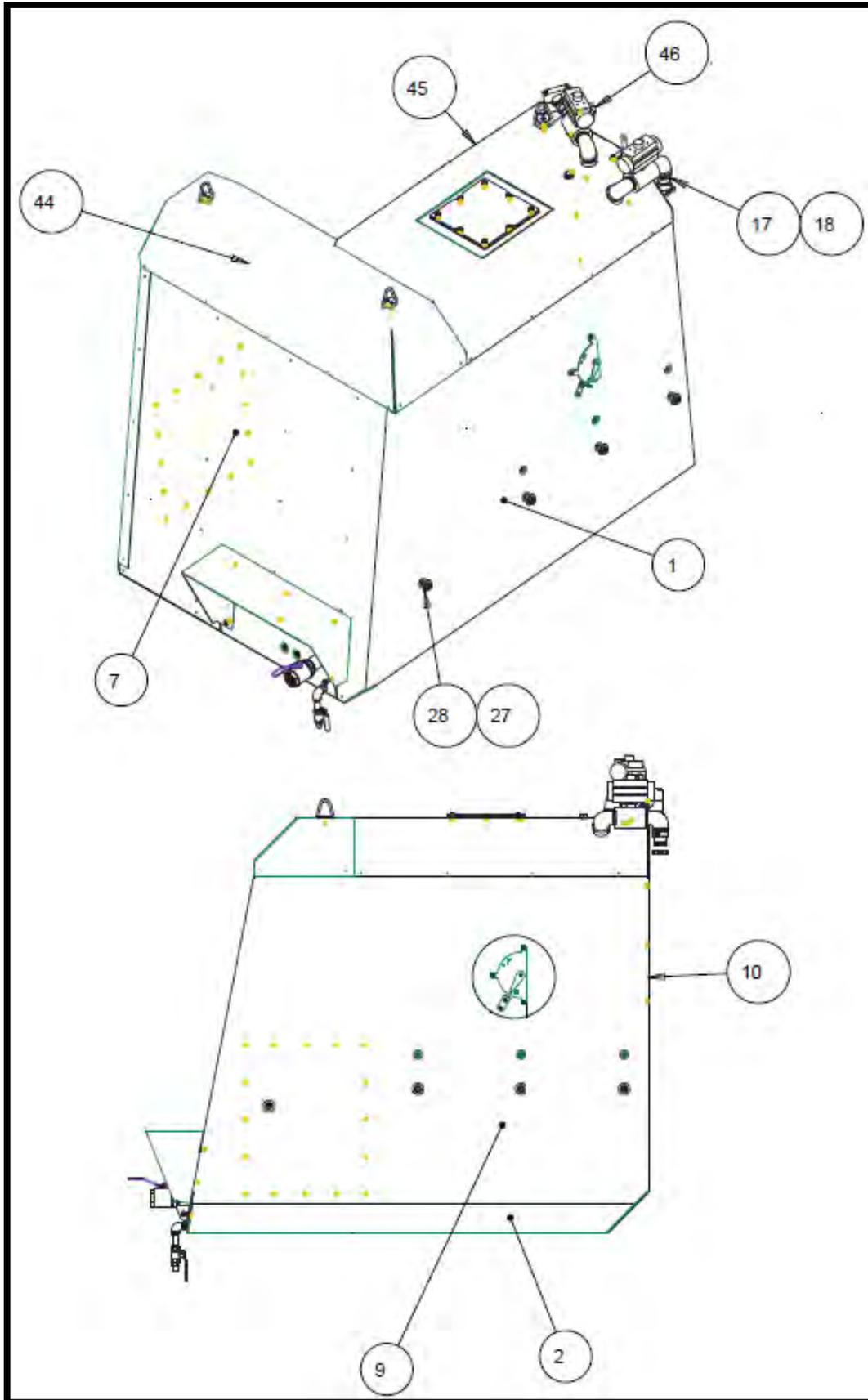
Hopper Sleeve Assembly – IDX21290



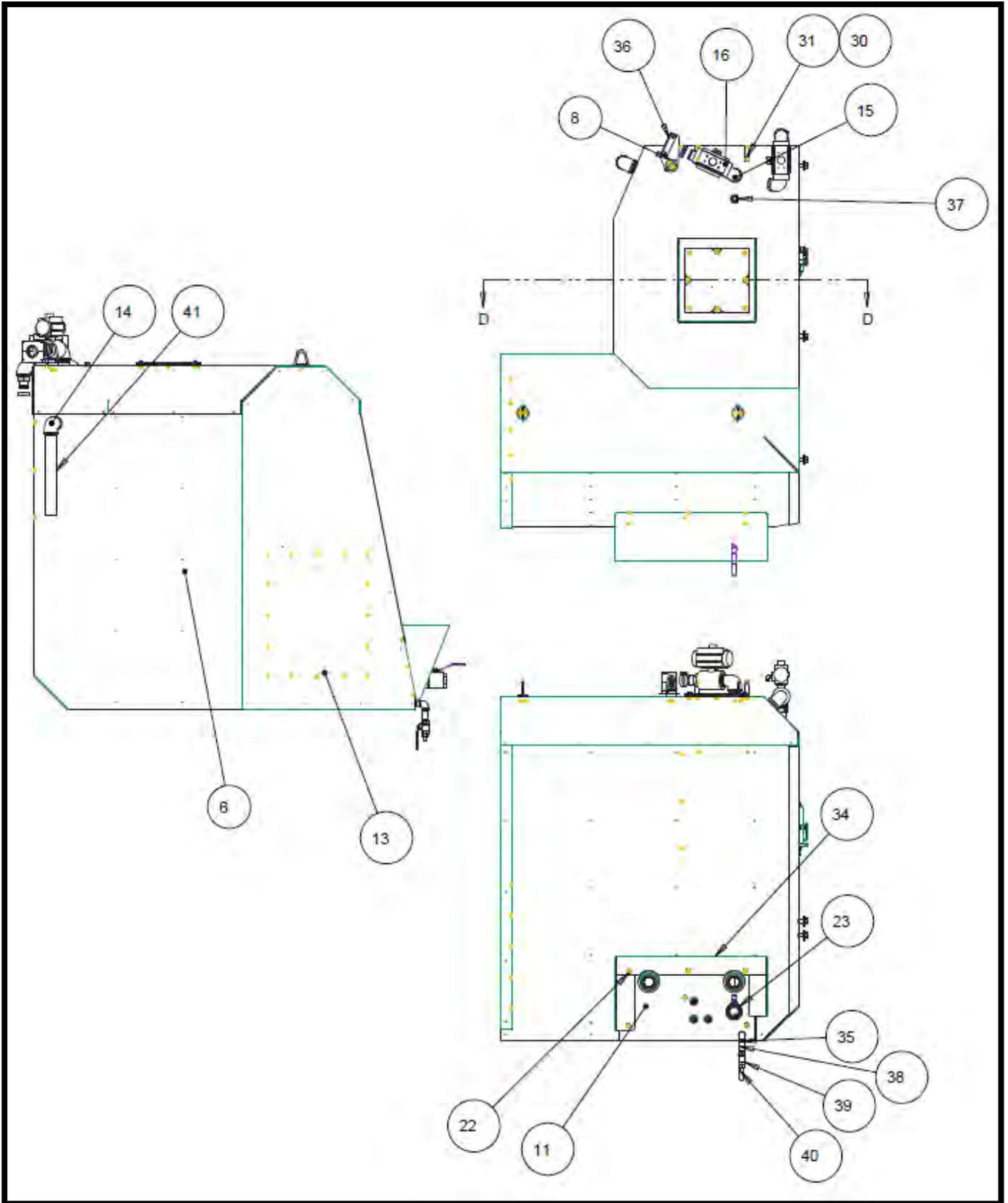
Hopper Sleeve Assembly – IDX21290

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21319	1	WLDT, HOPPER SLEEVE, FRONT
2	IDX21309	1	WLDMT, HOPPER SLEEVE, RH
3	IDX21310	1	WLDMT, HOPPER SLEEVE, LH
4	IDX21255	14	WELD ON W/STUD 3/8-16
5	IDX10974	14	WASHER, 3/8 X 1 1/4" OD ZP
6	IDX10187	14	SERR FLG HEX NUT 3/8-16

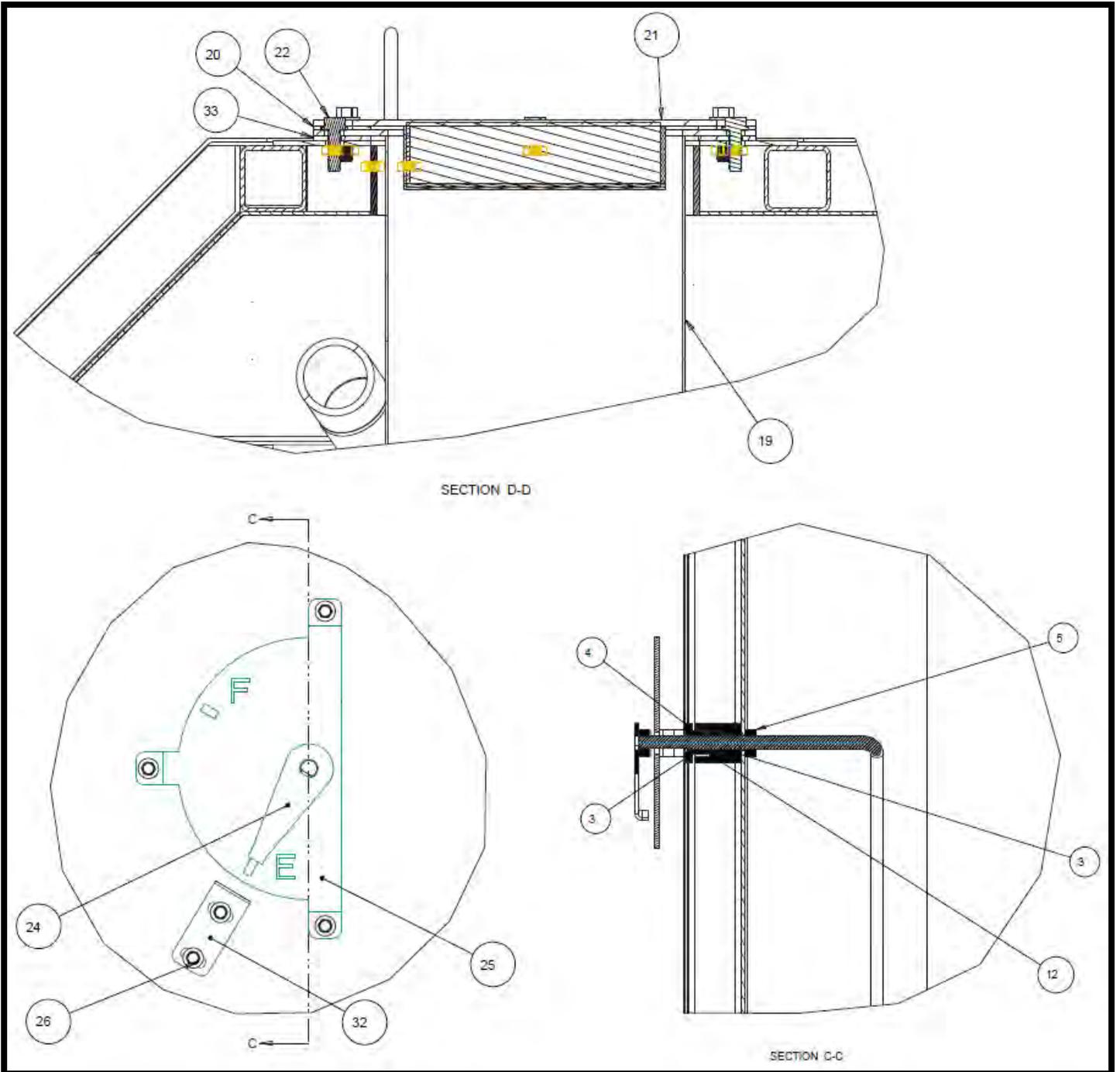
Emulsion Tank, Left – IDX21055



Emulsion Tank, Left



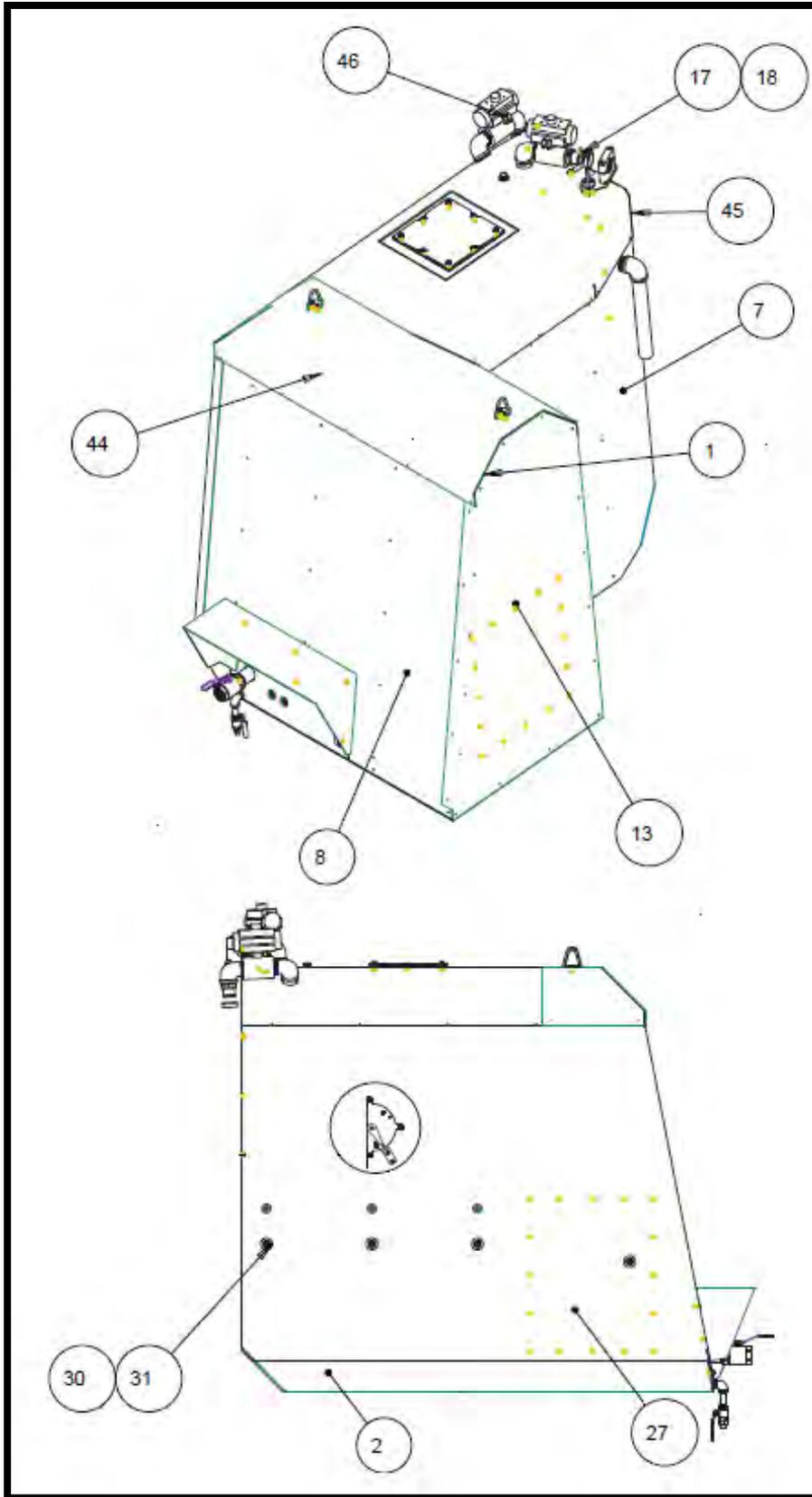
Emulsion Tank, Left



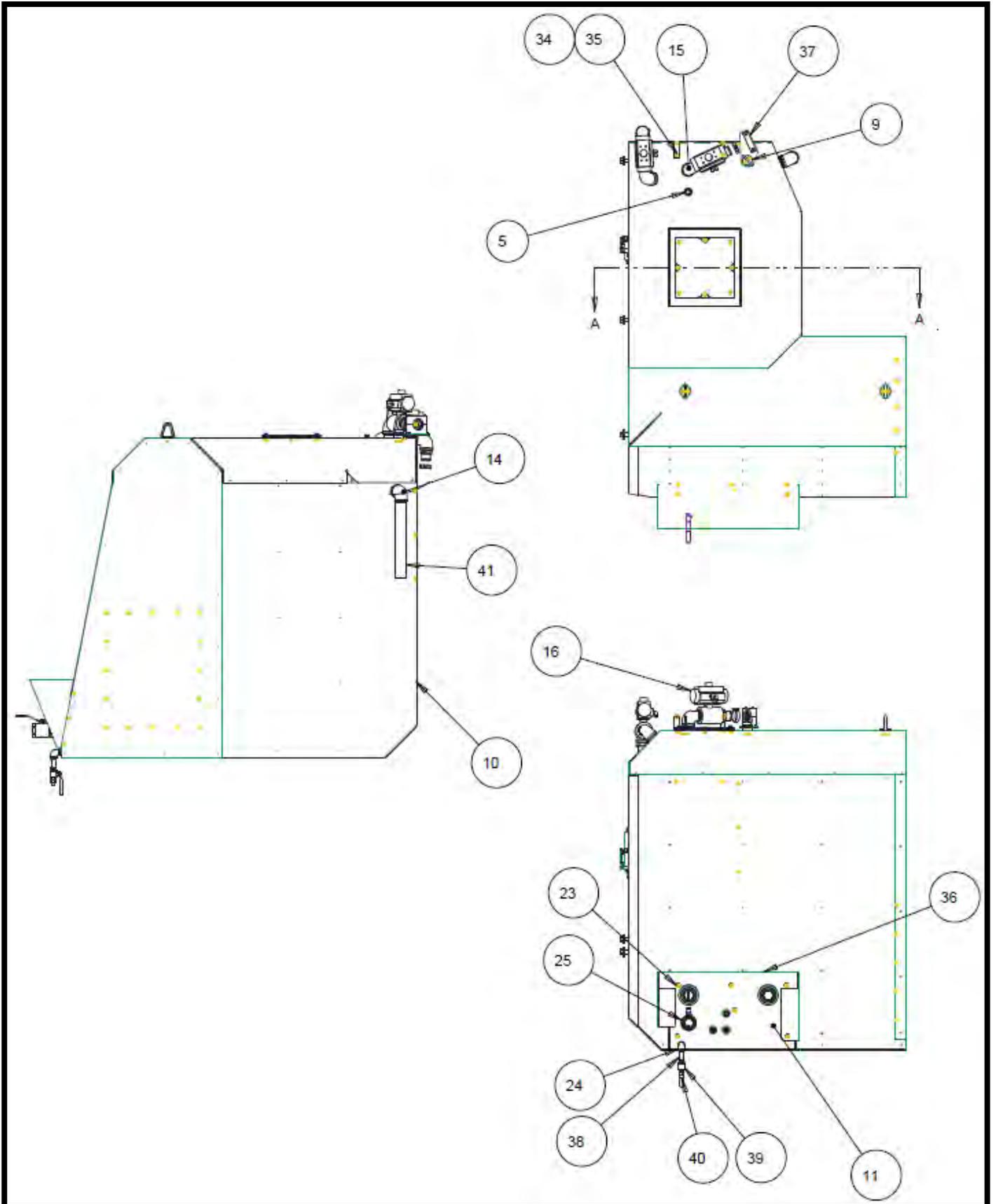
Emulsion Tank, Left – IDX21055

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21056	1	LEFT TANK AS
2	IDX21069	1	SHEET
3	IDX21098	2	BUSHING
4	IDX21095	1	PACKING NUT
5	IDX21107	1	LEVEL AS
6	IDX21110	1	SHEET
7	IDX21111	1	SHEET
8	IDX11552	3	LIFTING EYES
9	IDX21112	1	SHEET
10	IDX22042	1	WLDT, MNT SHEET
11	IDX21121	1	SHEET
12	IDX21122	3	PACKING GLAND
13	IDX21123	1	SHEET
14	IDX10768	1	ELBOW, PIPE, 2" NPT
15	IDX10967	3	ELBOW, 2" NPT X 2" NPTF BLK
16	IDX10015	2	2" NPT AUTO VALVE
17	IDX21258	2	HOSE BARB, 2", BEADED
18	IDX10972	2	HOSE CLAMP,T-BOLT 2.3-2.7"
19	IDX21285	1	WLDT, LID STRAINER
20	IDX21312	1	GASKET, TANK COVER
21	IDX21291	1	WMT, COVER
22	IDX10186	14	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
23	IDX10166	1	2" NPT BALL VALVE
24	IDX21156	1	POINTER AS
25	IDX10619	1	PLATE, TANK LEVEL
26	IDX10672	5	SCREW, SELF DRILLING 5/16 X 1.00
27	IDX21174	4	HHCS, 3/4-16 X 3, GR8
28	IDX21176	4	WASHER, 3/4", OVERSIZE
29	IDX10410	248	RIVET, 3/16 X 1.05 ALUM
30	IDX21220	2	WLDT, CLIP
31	IDX10195	2	FHHCS SERR 3/8-16 X 1" LG ZN
32	IDX21224	1	TAB, SWITCH MNT
33	IDX21293	1	GASKET, TANK COVER
34	IDX21226	1	SHEET
35	IDX23437	1	ELBOW, 3/4 NPT
36	IDX21268	1	ASSY, HOSE SUPPORT, L TANK
37	IDX21097	1	DIPSTICK AS
38	IDX10161	1	3/4" PIPE NIPPLE X 3 1/2" LG
39	IDX11578	1	VALVE, BALL, .75" FP BRASS
40	IDX11038	1	HOSEBARB, .75"MP-.75"HOSE
41	IDX21304	1	PIPE, SCH40, 2"
42	IDX10639	300 FT	FBRGL STRIP ADHSV BACK, 1/8" X 2"
43	IDX10905	180 SQ.FT	INUSLATION, ROCK WOOL, 2"
44	IDX21108	1	SHEET
45	IDX21119	1	PLATE AS
46	IDX10878	4	1/8 NPT X 1/4 OD, 90 DEG PUSH IN

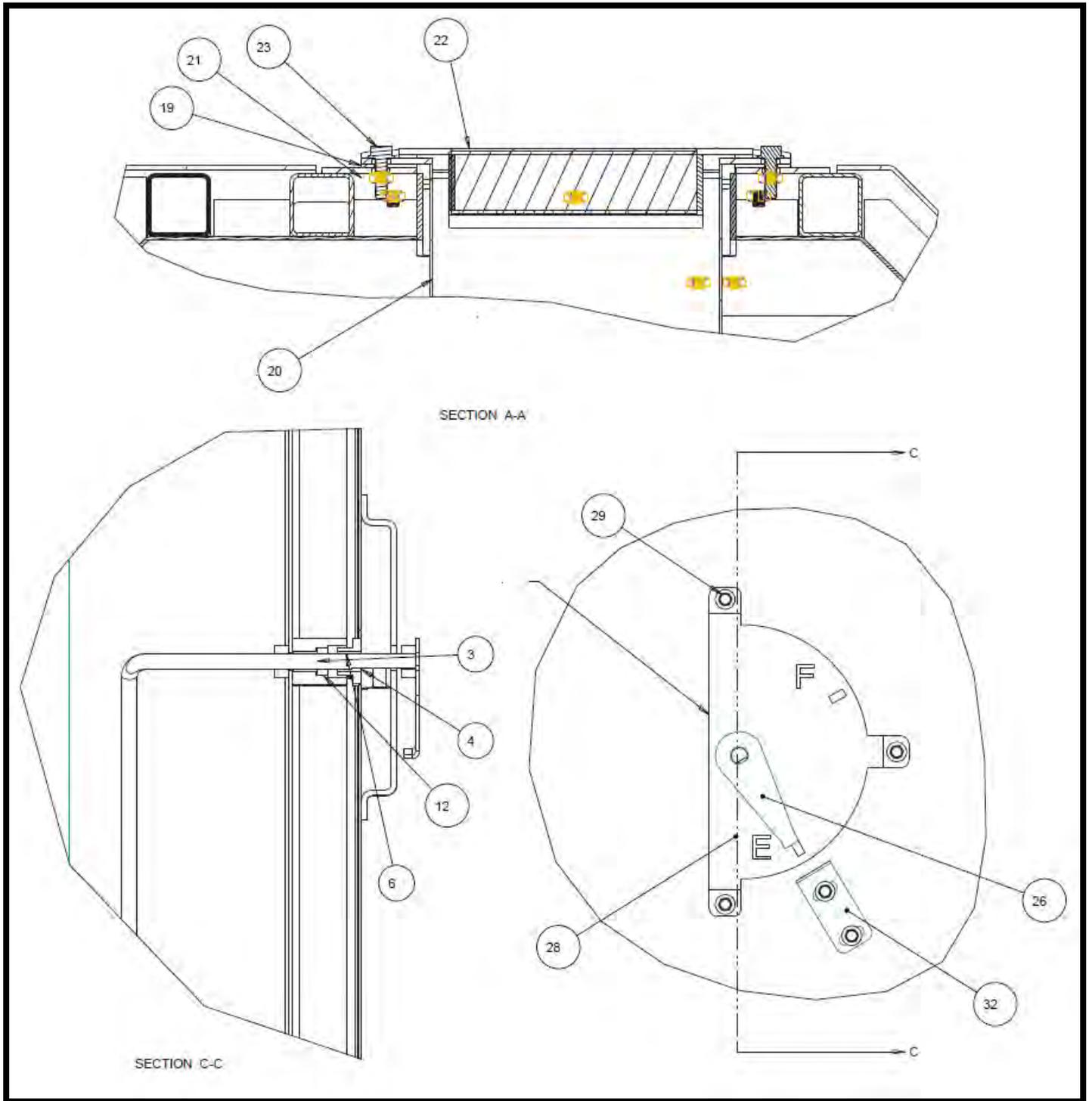
Emulsion Tank, Right – IDX21057



Emulsion Tank, Right



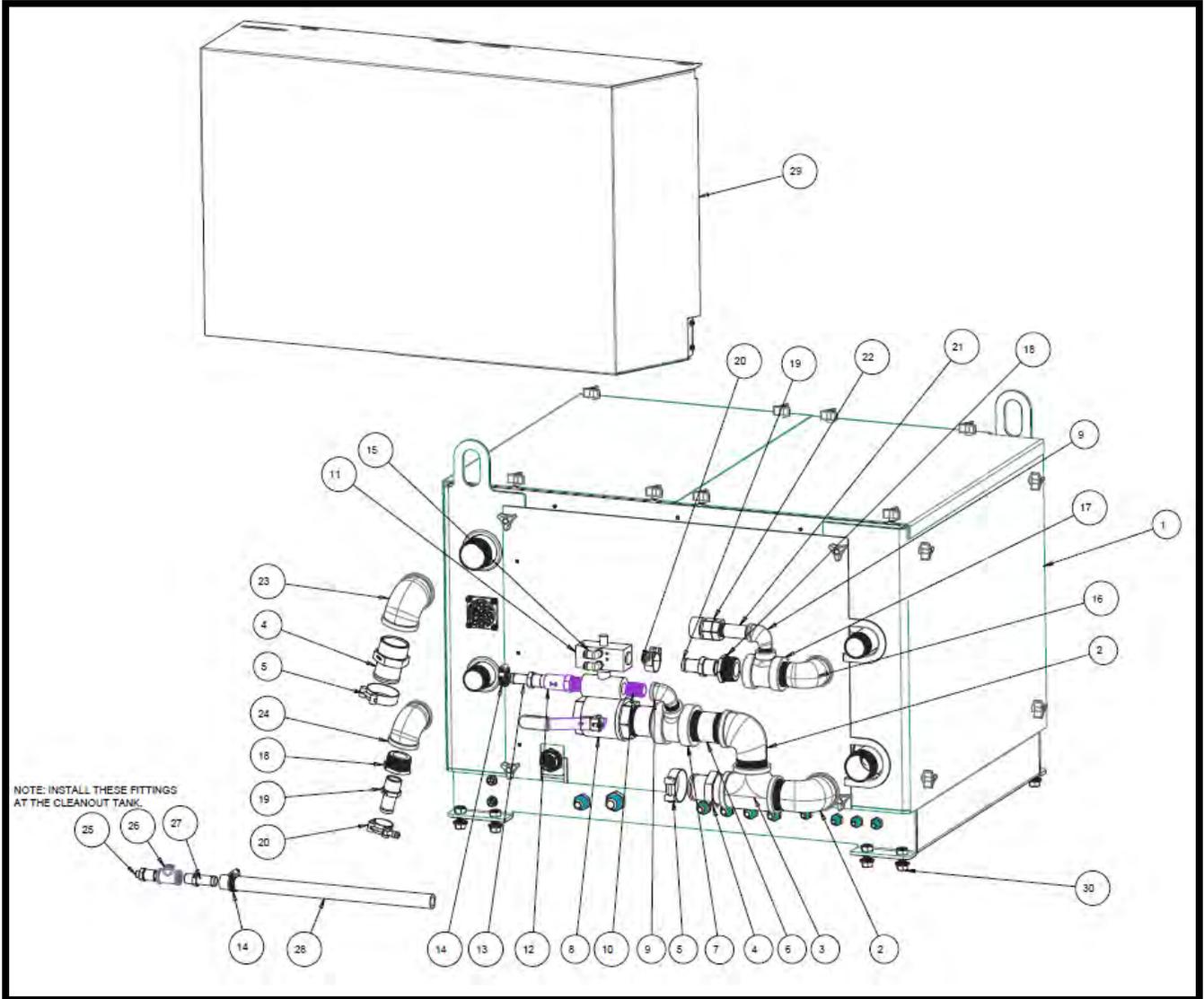
Emulsion Tank, Right



Emulsion Tank, Right – IDX21057

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21058	1	RIGHT TANK AS
2	IDX21183	1	SHEET
3	IDX21098	2	BUSHING
4	IDX21095	1	PACKING NUT
5	IDX21097	1	DIPSTICK AS
6	IDX21107	1	LEVEL AS
7	IDX21184	1	SHEET
8	IDX21185	1	SHEET
9	IDX11552	3	LIFTING EYES
10	IDX22043	1	WLDT, MNT SHEET
11	IDX21190	1	SHEET
12	IDX21122	3	PACKING GLAND
13	IDX21191	1	SHEET
14	IDX10768	1	ELBOW, PIPE, 2" NPT
15	IDX10967	3	ELBOW, 2" NPT X 2" NPTF BLK
16	IDX10015	2	2" NPT AUTO VALVE
17	IDX21258	2	HOSE BARB, 2", BEADED
18	IDX10972	2	HOSE CLAMP,T-BOLT 2.3-2.7"
19	IDX21293	1	GASKET, TANK COVER
20	IDX21285	1	WLDT, LID STRAINER
21	IDX21312	1	GASKET, TANK COVER
22	IDX21291	1	WMT, COVER
23	IDX10186	14	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
24	IDX23437	1	ELBOW, 3/4 NPT
25	IDX10166	1	2" NPT BALL VALVE
26	IDX21156	1	POINTER AS
27	IDX21192	1	SHEET
28	IDX11513	1	PLATE, TANK LEVEL
29	IDX10672	5	SCREW, SELF DRILLING 5/16 X 1.00
30	IDX21174	4	HHCS, 3/4-16 X 3, GR8
31	IDX21176	4	WASHER, 3/4", OVERSIZE
32	IDX21224	1	TAB, SWITCH MNT
33	IDX10410	248	RIVET, 3/16 X 1.05 ALUM
34	IDX21220	2	WLDT, CLIP
35	IDX10195	2	FHHCS SERR 3/8-16 X 1" LG ZN
36	IDX21227	1	SHEET
37	IDX21269	1	ASSY, HOSE SUPPORT, L TANK
38	IDX10161	1	3/4" PIPE NIPPLE X 3 1/2" LG
39	IDX11578	1	VALVE, BALL, .75" FP BRASS
40	IDX11038	1	HOSEBARB, .75"MP-.75"HOSE
41	IDX21304	1	PIPE, SCH40, 2"
42	IDX10639	300 FT	FBRGL STRIP ADHSV BACK, 1/8" X 2"
43	IDX10905	180 SQ.FT	INUSLATION, ROCK WOOL, 2"
44	IDX21187	1	SHEET
45	IDX21186	1	PLATE AS
46	IDX10878	4	1/8 NPT X 1/4 OD, 90 DEG PUSH IN

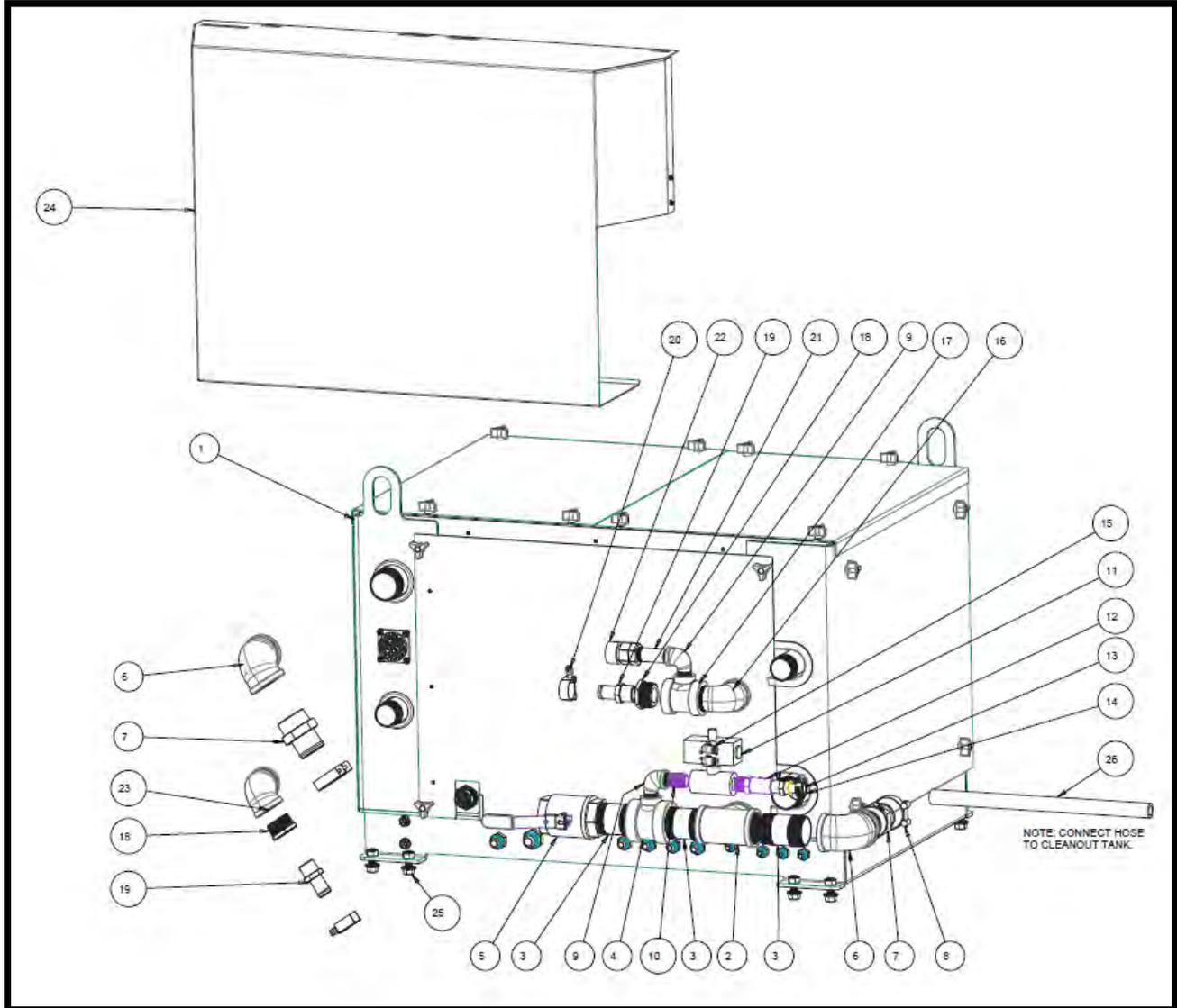
Pump Station Install, Cat – IDX22150



Pump Station Install, Cat – IDX22150

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX22000	1	ASSY, PUMP UNIT
2	IDX21142	2	ELBOW, 2" F NPT TO 2" M NPT
3	IDX10146	1	2" PIPE TEE
4	IDX21258	2	HOSE BARB, 2", BEADED
5	IDX10972	2	HOSE CLAMP, T-BOLT 2.3-2.7"
6	IDX10138	2	PIPE NIPPLE 2" X 3 1/2" LG
7	IDX10160	1	INLINE REDUCING TEE TO 3/4 PIPE
8	IDX10166	1	2" NPT BALL VALVE
9	IDX10473	2	3/4" PIPE ELBOW
10	IDX11225	1	PIPE NIPPLE, 3/4" NPT CLOSE
11	IDX22069	1	VALVE, BI-TORQ, 1" NPT
12	IDX22104	1	CHECK VALVE, 3/4" NPT
13	IDX23332	1	BEADED HOSEBARB, 3/4
14	IDX23334	2	HOSE CLAMP, 1 1/4"
15	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
16	IDX11184	1	STREET ELBOW, 90 DEG. 1.5" NPT
17	IDX11107	1	1.5" X 1.5" X 3/4" REDUCINGTEE
18	IDX10741	2	BUSHING, PIPE 1.5 X 1 BLK IRON
19	IDX11177	2	HOSE BARB, 1" X 1" MP
20	IDX11179	2	HOSE CLAMP, T BAR, 1.5"
21	IDX10161	1	3/4" PIPE NIPPLE X 3 1/2" LG
22	IDX10524	1	QUICK COUPLING 3/4" NPT
23	IDX10768	1	ELBOW, PIPE, 2" NPT
24	IDX10771	1	ELBOW, 90DEG BLK IRON 1.5" NPT
25	IDX10291	1	FITTING, 6MB-8MP
26	IDX10881	1	FITTING, 8FP-4FP-8FP
27	IDX23439	1	BEAD HOSE BARB, 3/4", 1/2" NPT
28	IDX11040	40 FT	HOSE, 3/4" ID
29	IDX22151	1	ASSY, COVER
30	IDX23411	8	HHFCS 1/2-13 X 1.25

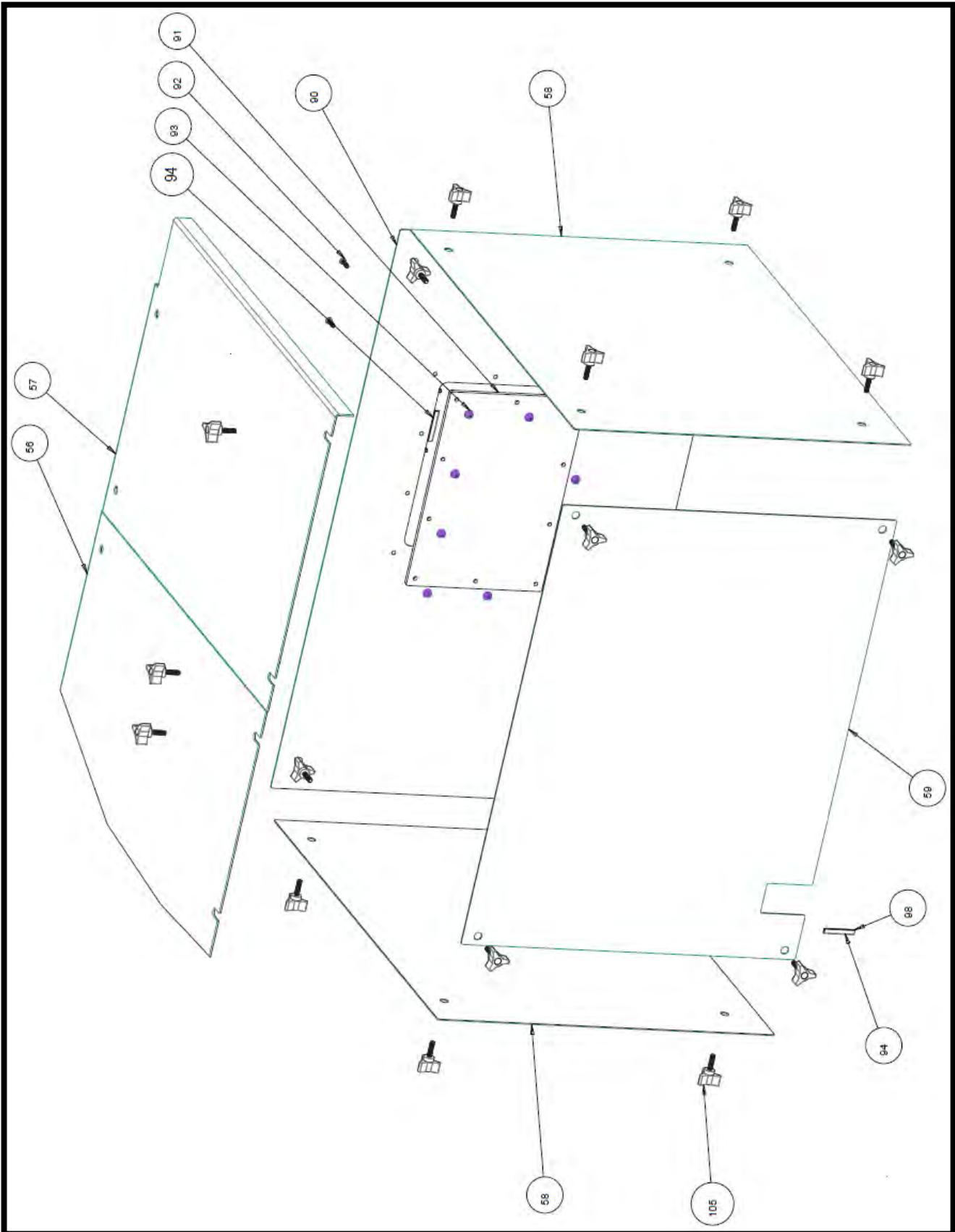
Pump Station Install, Volvo – IDX22140



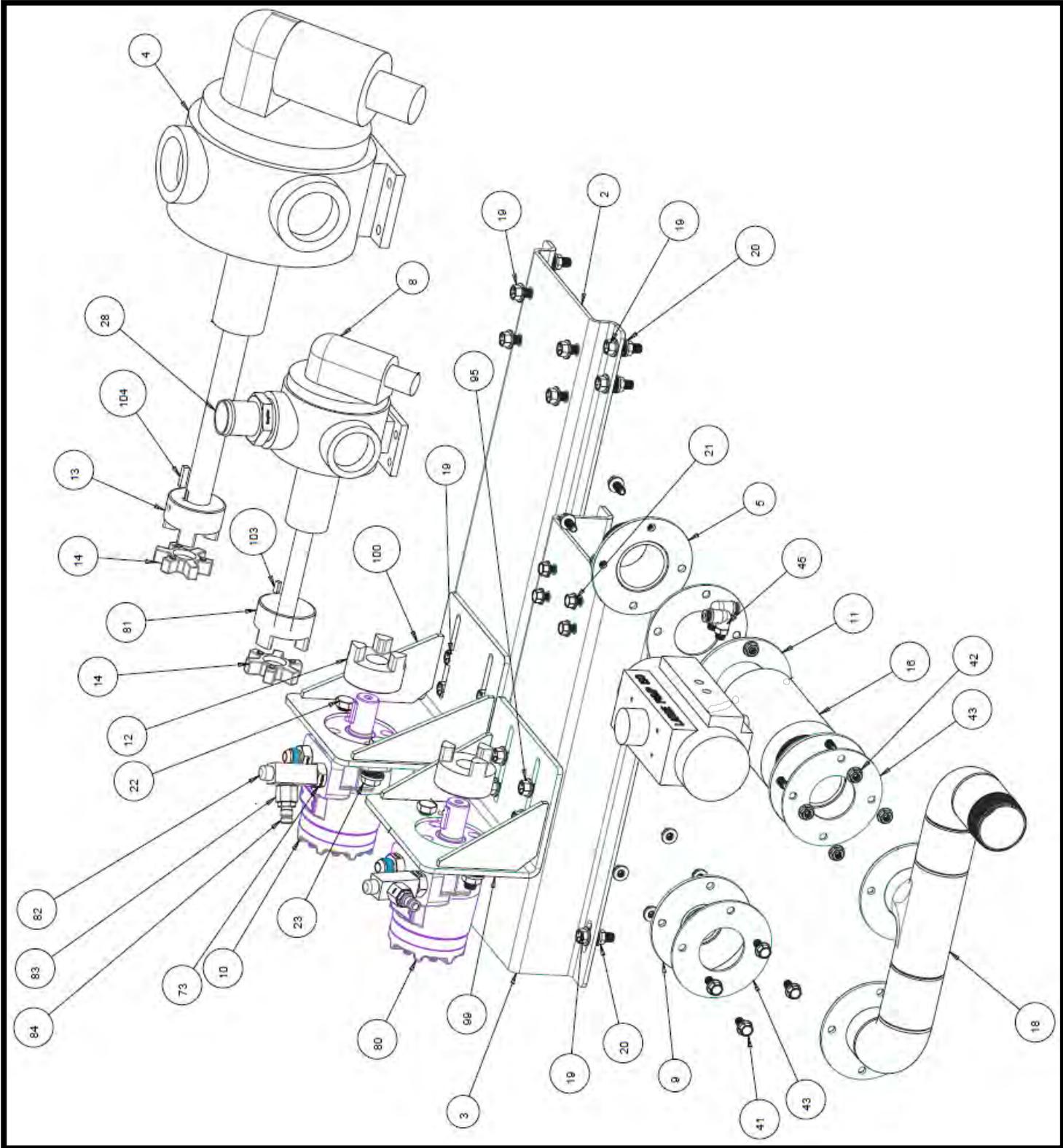
Pump Station Install, Volvo – IDX22140

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX22000	1	ASSY, PUMP UNIT
2	IDX10146	1	2" PIPE TEE
3	IDX10138	3	PIPE NIPPLE 2" X 3 1/2" LG
4	IDX10160	1	INLINE REDUCING TEE TO 3/4 PIPE
5	IDX10166	1	2" NPT BALL VALVE
6	IDX10768	2	ELBOW, PIPE, 2" NPT
7	IDX21258	2	HOSE BARB, 2", BEADED
8	IDX10972	2	HOSE CLAMP,T-BOLT 2.3-2.7"
9	IDX10473	2	3/4" PIPE ELBOW
10	IDX11225	1	PIPE NIPPLE, 3/4" NPT CLOSE
11	IDX22069	1	VALVE, BI-TORQ, 1" NPT
12	IDX22104	1	CHECK VALVE, 3/4" NPT
13	IDX23332	1	BEADED HOSEBARB, 3/4
14	IDX23334	1	HOSE CLAMP, 1 1/4"
15	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
16	IDX11184	1	STREET ELBOW, 90 DEG. 1.5" NPT
17	IDX11107	1	1.5" X 1.5" X 3/4" REDUCINGTEE
18	IDX10741	2	BUSHING, PIPE 1.5 X 1 BLK IRON
19	IDX11177	2	HOSE BARB, 1" X 1" MP
20	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
21	IDX10161	1	3/4" PIPE NIPPLE X 3 1/2" LG
22	IDX10524	1	QUICK COUPLING 3/4" NPT
23	IDX10771	1	ELBOW, 90DEG BLK IRON 1.5" NPT
24	IDX22141	1	ASSY, COVER
25	IDX23411	8	HHFCS 1/2-13 X 1.25
26	IDX11040	40 FT	HOSE, 3/4" ID

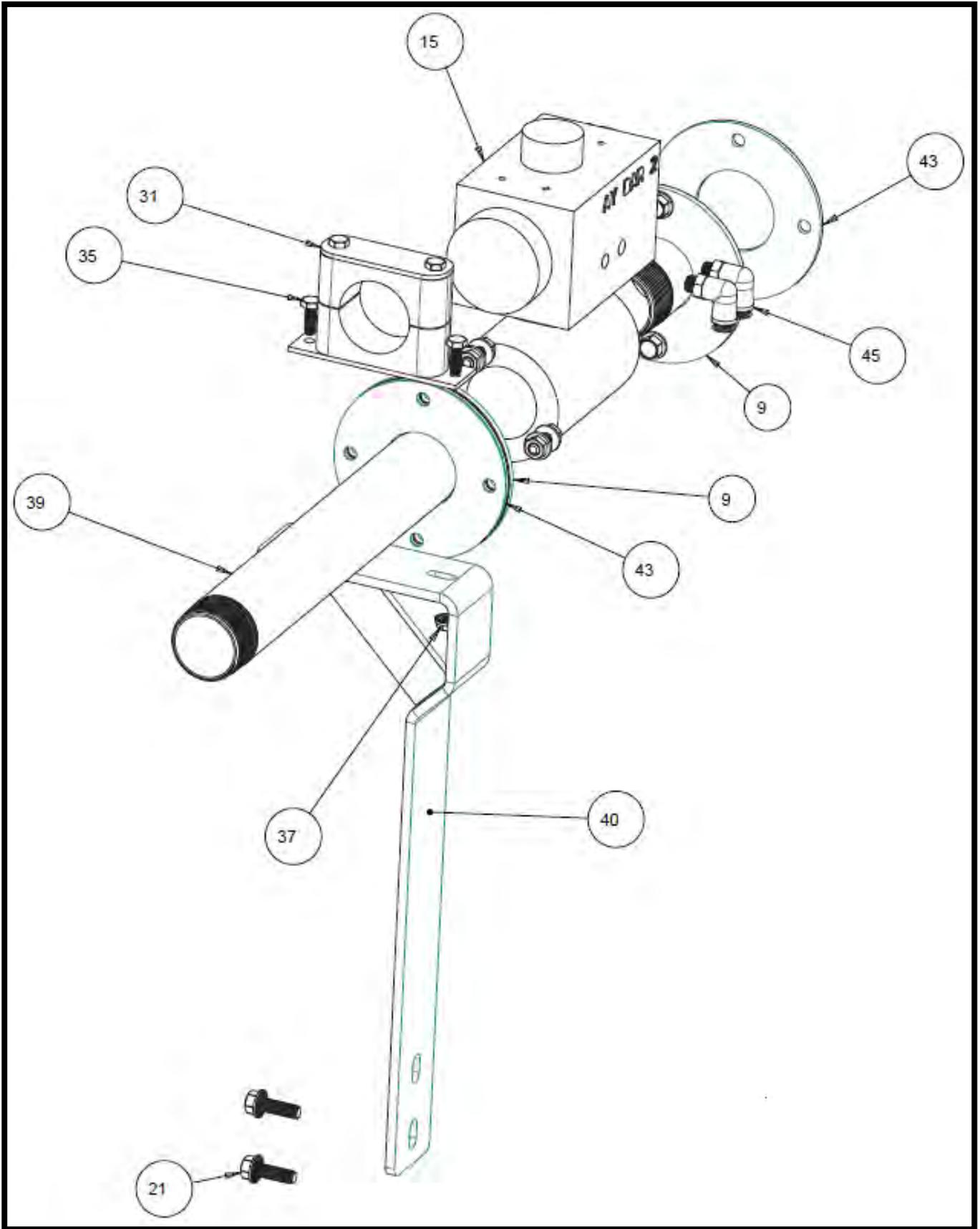
Emulsion Pumping Station – IDX22000



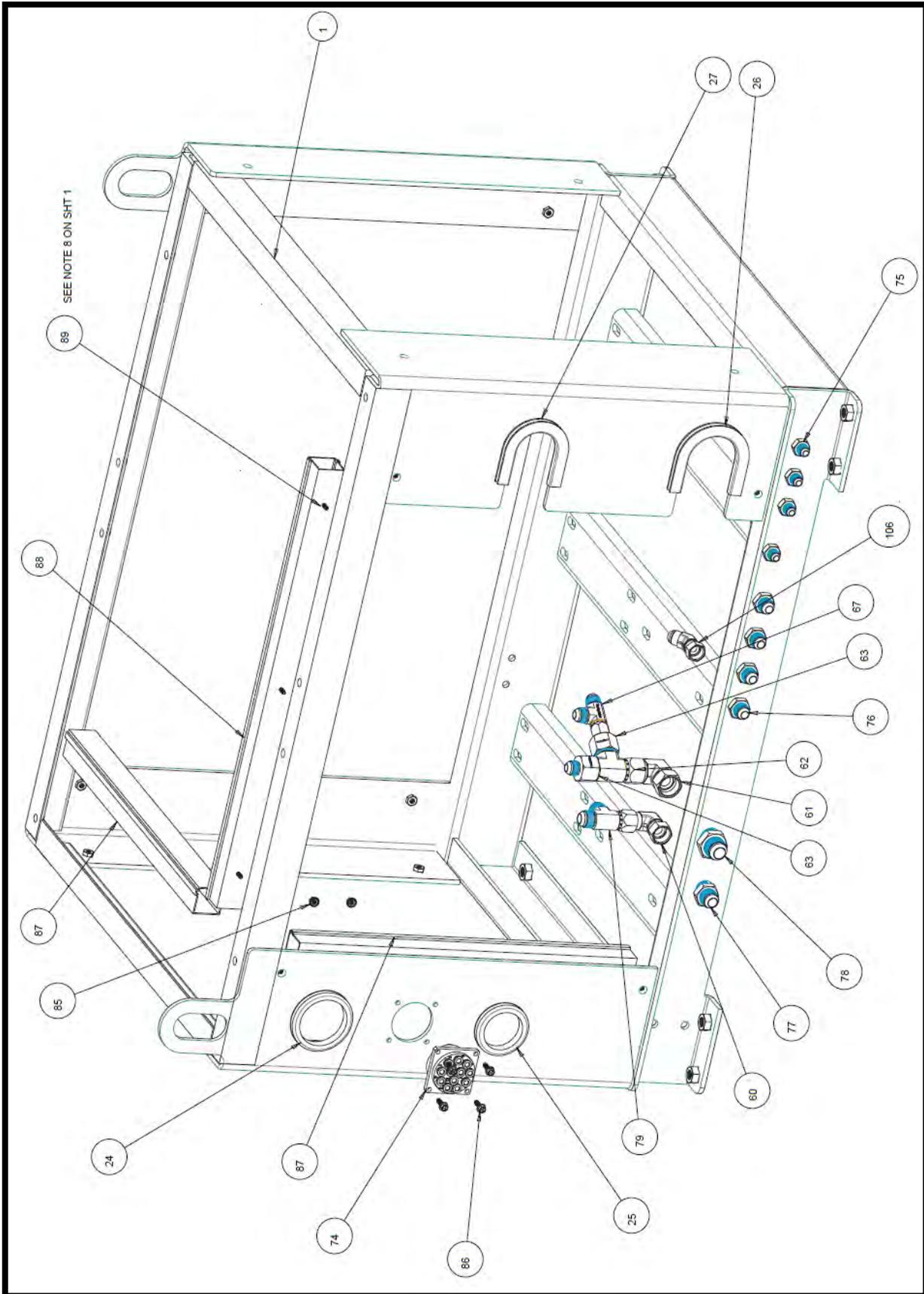
Emulsion Pumping Station



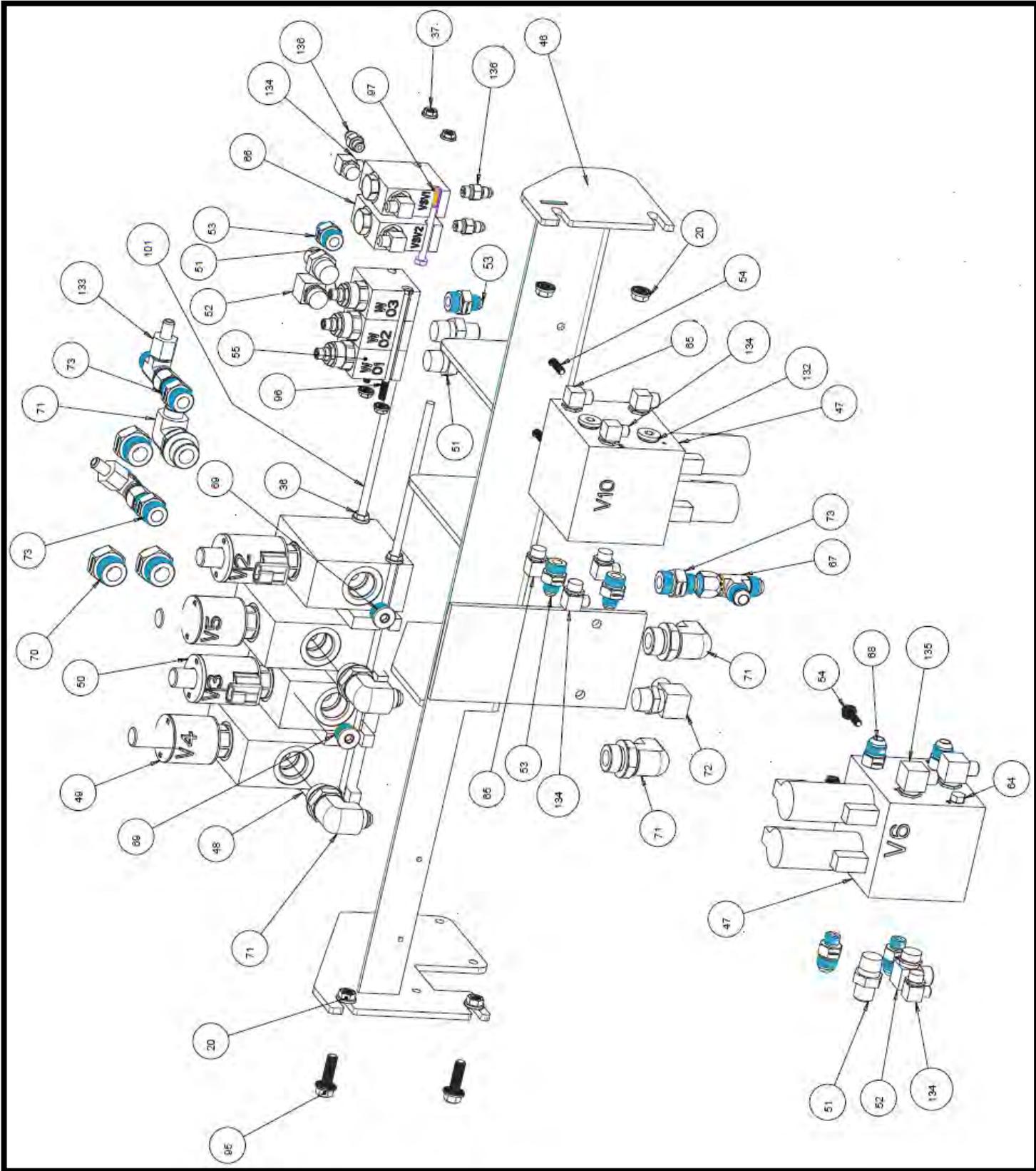
Emulsion Pumping Station



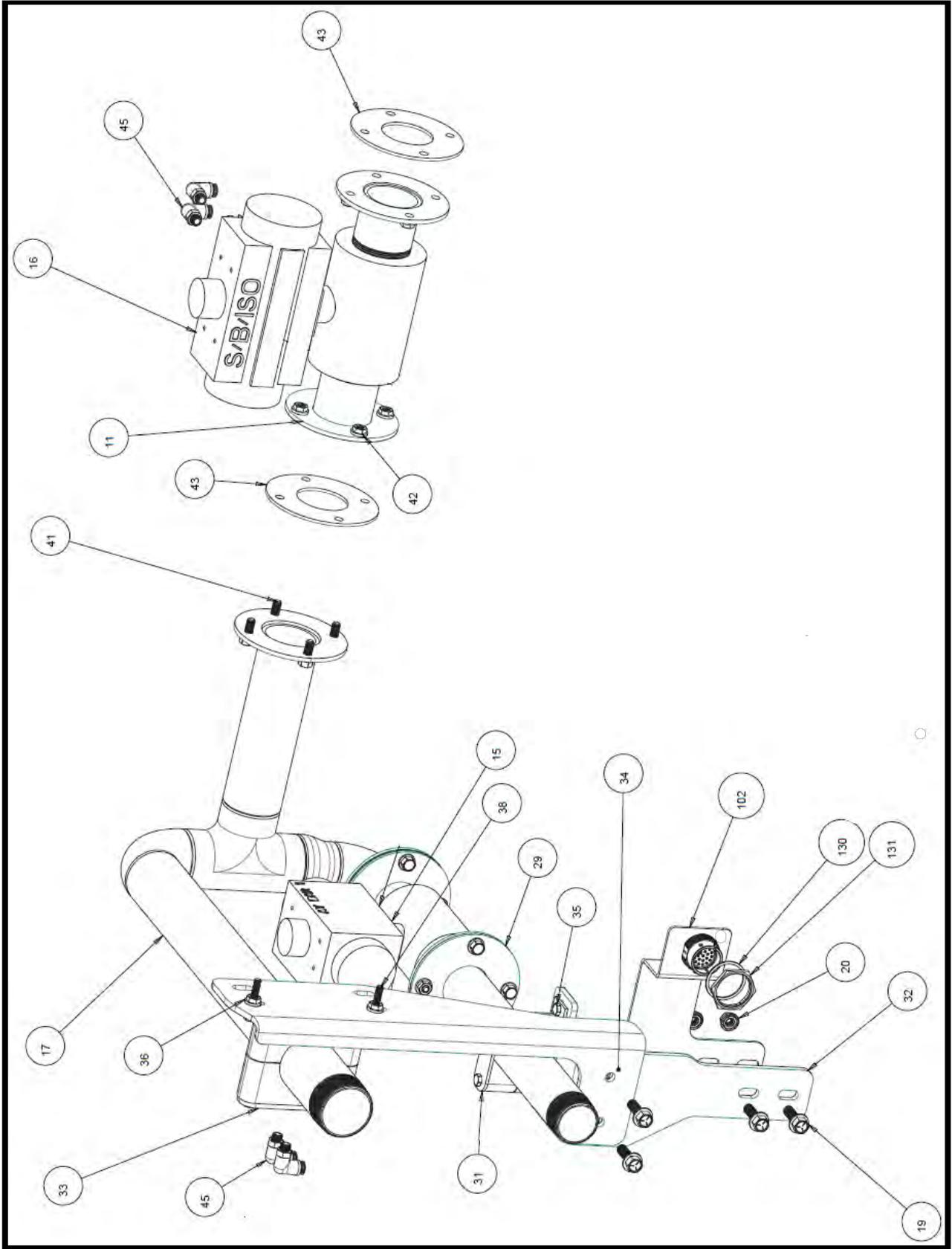
Emulsion Pumping Station



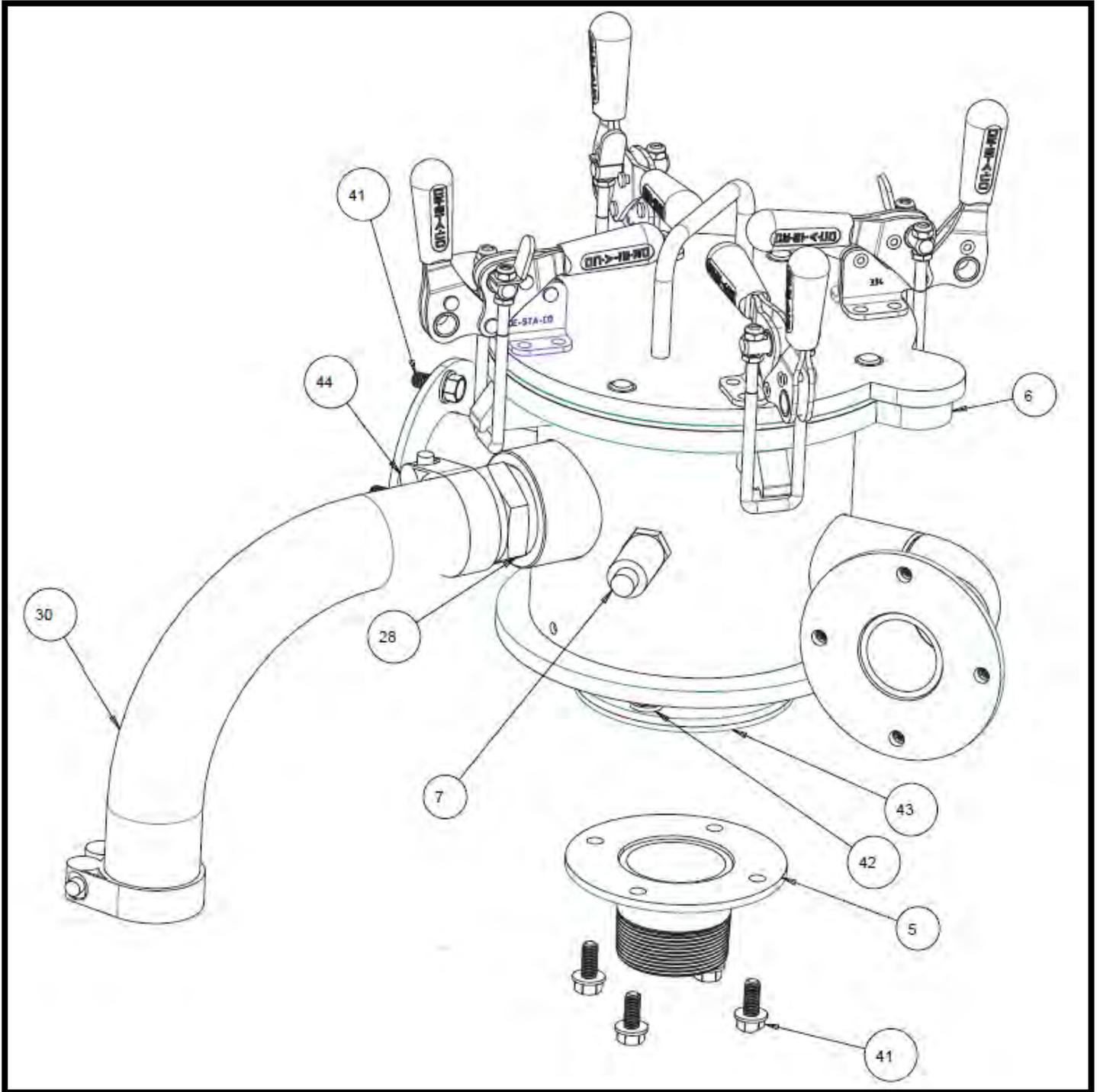
Emulsion Pumping Station



Emulsion Pumping Station



Emulsion Pumping Station



Emulsion Pumping Station – IDX22000

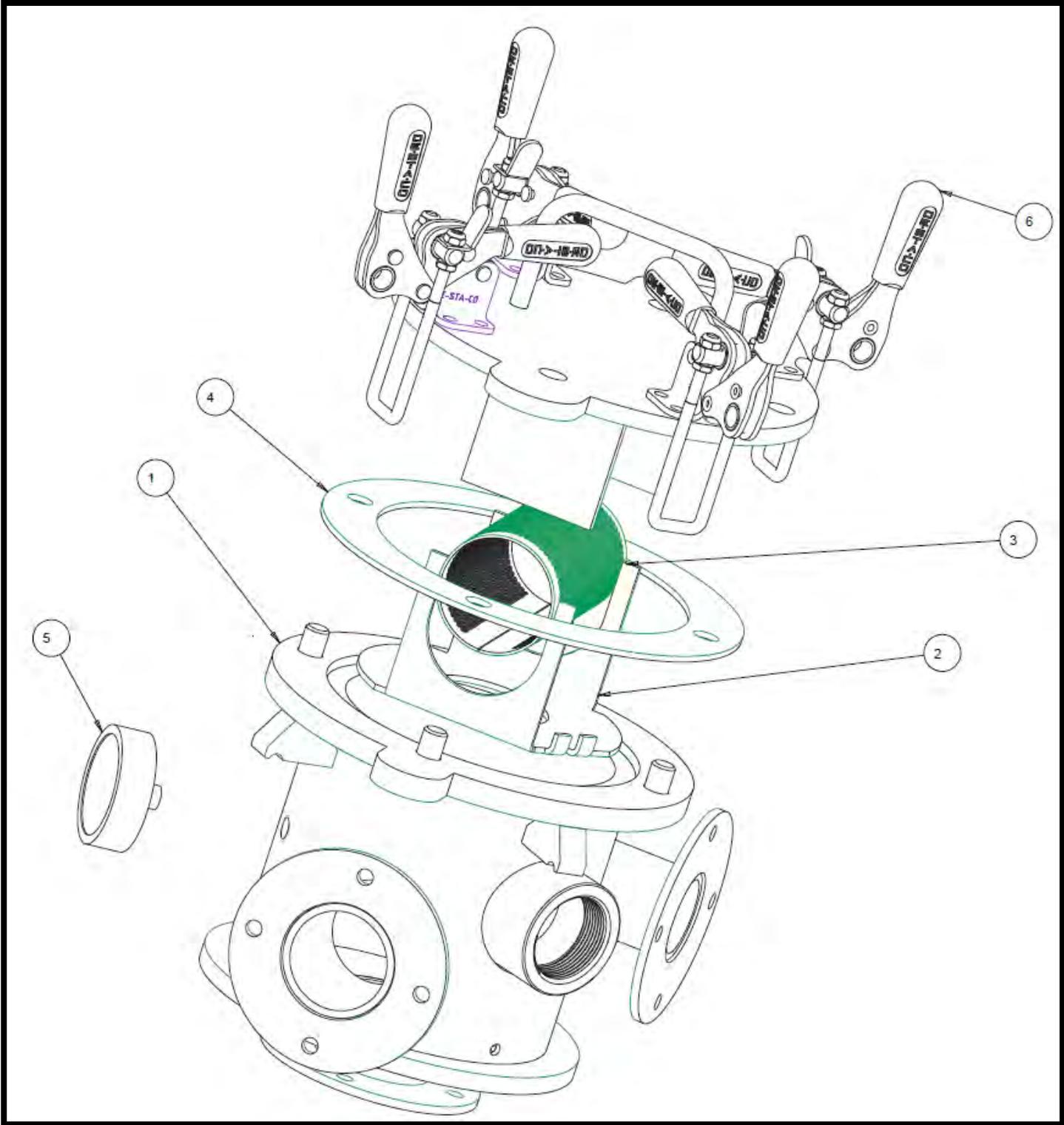
ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX22016	1	WLDT, PUMP STATION
1	IDX22016	1	WLDT, PUMP STATION
2	IDX10331	1	WLDT, PUMP PLATE LARGE
3	IDX10328	1	WLDT, PUMP PLATE SMALL
4	IDX10017	1	VIKING PUMP 50 GPM
5	IDX10348	2	WLDT, THRD FLG
6	IDX10070	1	ASSY, STRAINER-MANIFOLD
7	IDX20771	1	SENSOR, PRS, -15-95
8	IDX10018	1	VIKING PUMP 20 GPM
9	IDX10350	5	WLDT THRDED FLG
10	IDX10073	1	HYD MOTOR, 6.2 CIR W/ SENSOR
11	IDX10352	4	WLDT, THRDED FLG
12	IDX10071	2	COUPLER, 1.0 SHAFT
13	IDX10336	1	COUPLER, 1 1/8 SHAFT
14	IDX10337	2	SPIDER
15	IDX10014	2	1 1/2" NPT AUTO VALVE
16	IDX10015	2	2" NPT AUTO VALVE
17	IDX10355	1	WLDT, 2"X1 1/2" PIPE FLG
18	IDX10367	1	WLDT, PIPE AR
19	IDX10186	28	HHCS SERR FLG 3/8-16 X 1 1/4 LG
20	IDX10187	24	SERR FLG HEX NUT 3/8-16
21	IDX10188	6	HHCS SERR FLG 5/16-18 X 1" LG
22	IDX10190	4	HHCS 1/2-13 X 1 3/4" LG
23	IDX10191	4	SERR FLG HEX NUT 1/2"-13
24	IDX10458	1	2" PIPE GROMMET
25	IDX10459	1	1 1/2" PIPE GROMMET
26	IDX10461-	1 FT	01 RUBBER EDGE TRIM
27	IDX10461-	1 FT	02 RUBBER EDGE TRIM
28	IDX21270	2	HOSE BARB, BEADED, 1.5"
29	IDX10464	1	WLDT, THRDED PIPE FLG
30	IDX10463-	1	15 HOSE, 1 1/2" ID X 2.01 ODX 15" LG
31	IDX10182	2	STAUFFER CLAMP 1 1/2" PIPE
32	IDX10180	1	BRACKET
33	IDX10183	1	STAUFF-CLAMP 2" PIPE
34	IDX10181	1	BRACKET
35	IDX10197	4	HHCS 1/4-20 X 3/4" LG ZN
36	IDX10189	10	SERR HEX FLG NUT 5/16-18
37	IDX10194	8	SERR-FLG HEX LKNUT ZN 1/4-20
38	IDX10932	2	HHCS 1/4-20 X 1 1/2" LG ZN
39	IDX10466	1	WLDT, THRDED PIPE FLG
40	IDX10172	1	WLDT, BRKT 1 1/2" PIPE
41	IDX10369	40	HHCS FLG 5/16-18 X 3/4 LG
42	IDX10368	36	FLG HEX NUT LK 5/16-18 ZN

43	IDX10333	10	FLG GASKET
44	IDX10448	2	T-BOLT HOSE CLAMP
45	IDX10878	8	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
46	IDX22021	1	WMT, VALVE MNT
47	IDX10834	2	VALVE, MANIFOLD, 48" STROKE CYL
48	IDX22063	4	PLATE, SPACER
49	IDX11189	2	SEQUENCE VALVE
50	IDX11190	2	PROPORTIONAL VALVE
51	IDX10759	4	HYD FITTING, 8MB-8MJ STR
52	IDX10858	2	HYD FITTING, -8MB-8MJ90
53	IDX10298	4	ADAPTER, 8MB-6MJ STR
54	IDX10198	4	FHHCS SERR 1/4-20 X 1" LG ZN
55	IDX10838	3	FLOW CONTROL NEEDLE VALVE
56	IDX22072	1	COVER, PUMPING STATION, TOP
57	IDX22073	1	COVER, PUMPING STATION, TOP
58	IDX11342	2	COVER,PUMPING STATION,FRONT
59	IDX11341	1	COVER, PUMPING STATION, LH
60	IDX20242	1	ELBOW, 10FJX-10MJ90
61	IDX10303	1	ADAPTER, SWIVEL 12MJ-12FJX90
62	IDX11134	1	RUN TEE, 12MJ-12FJX-12MJ
63	IDX11093	2	ADAPTER, 8MJ-12FJ
64	IDX11018	1	PLUG, -6 MORB
65	IDX10658	4	ADAPTER, 6MB-6MJ90
66	IDX23532	2	VALVE, SHUTTLE
67	IDX11060	4	FITTING, RUN TEE, 8MJ-8FJX-8MJ
68	IDX11091	4	ADAPTER 6MB-8MJ
69	IDX11196	2	PLUG, 10MB
70	IDX11194	3	ADAPTER, 12MB-8MJ STR
71	IDX22054	5	ELBOW FITTING, 12MB-8MJ 90
72	IDX10770	1	HYD FITTING, -10MB X -8SAE 90 DEG
73	IDX11059	7	ADAPTER, 10MB-8MJ STR
74	IDX20006	1	BULKHEAD CONNECTOR, 12 STATION
75	IDX22010	4	ADAPTER, 6MJ-6BKHD
76	IDX22002	4	ADAPTER, 8MJ-8BKHD
77	IDX22003	1	ADAPTER, 10MJ-10BKHD
78	IDX22004	1	ADAPTER, 12MJ-12BKHD
79	IDX22013	1	ADAPTER, 10MJ-10FJX-10MJ
80	IDX20057	1	HYD MOTOR, 2.2 CIR W/ SENSOR
81	IDX22009	1	COUPLER, FLEX 3/4" BORE
82	IDX20273	2	TEST TEE, 08JIC RUN, 04MB
83	IDX20272	2	ADAPTER, 4MB-6FB
84	IDX20064	2	HYD TEST PORT
85	IDX22019	4	NUT LOCKING, 10-32
86	IDX22020	4	FLG CAP SCRW 10-32 X .75 LG
87	IDX10283	19 IN	WIRE DUCT, 19"
88	IDX10283	25 IN	WIRE DUCT, 25"
89	IDX20759	9	PHMS, 8-32 X 1/2

90	IDX11340	1	COVER, PUMPING STATION. RH
91	IDX22070	1	SHEET, WINDOW
92	IDX10761	10	MACH SCREW, 10-24 X 3/4
93	IDX10902	10	NUT, #10-24 FLANGE NYLOCK
94	IDX20248	5 FT	EDGE TRIM, PLASTIC, METAL CORE
95	IDX22025	6	3/8-16 X 1-1/2 LG CAP SCREW SR
96	IDX11019	2	HHCS 1/4-20 X 4.5" LG ZN
97	IDX22029	2	1/4-20 X 3.0 LG CAP
98	IDX11082	1	ADHESIVE, LOCTITE 454
99	IDX22018	1	WDLT, MTG BRKT
100	IDX10089	1	WDLT, MTG BRKT
101	IDX22066	2	THREADED ROD, 5/16-18
102	IDX22038	1	SHEET
103	IDX11073	1	KEY, 3/16 SQ.
104	IDX11074	1	KEY, 1/4 SQ.
105	IDX22044	24	KNOB WITH THREADED STUD
106	IDX20241	1	FITTING, 8FJ-8MJ 45
107	IDX10867	10 FT	TUBING, 1/4" OD, PNEUMATIC, BLU
108	IDX10868	10 FT	TUBING, 1/4" OD, PNEUMATIC, NAT
109	IDX20027	10 FT	TUBING, 1/4" OD, PNEUMATIC, GRN
110	IDX20028	10 FT	TUBING, 1/4" OD, PNEUMATIC, YLW
111	IDX20317	1	HOSE ASSY, TEE to V5.4
112	IDX20318	1	HOSE ASSY, V2.3 to V4.2
113	IDX20319	1	HOSE ASSY, TEE to V3.1
114	IDX20320	1	HOSE ASSY, V5.2 to V3.3
115	IDX20322	1	HOSE ASSY, V4.1 to M2.A
116	IDX20323	1	HOSE ASSY, M2.B to V4.3
117	IDX20324	1	HOSE ASSY, M3.B to V5.3
118	IDX20325	1	HOSE ASSY, V5.1 to M3.A
119	IDX20327	1	HOSE ASSY, TEE to V2.1 TEE
120	IDX20328	1	HOSE ASSY, TEE to V6.T
121	IDX20329	1	HOSE ASSY, TEE to V6.P
122	IDX20330	1	HOSE ASSY, V4.4 to TANK TEE
123	IDX20331	1	HOSE ASSY, V6.1B toVV01.1
124	IDX20332	1	HOSE ASSY, VV01.2 to BULKHEAD
125	IDX20334	1	HOSE ASSY, V6.1R to BULKHEAD
126	IDX20336	1	HOSE ASSY, V6.2B toVVO2.1
127	IDX20337	1	HOSE ASSY, VVO2.2 to BULKHEAD
128	IDX20339	1	HOSE ASSY, V6.2R to BULKHEAD
129	IDX20348	1	HOSE ASSY, VVO3.2 to BULKHEAD
130	IDX20635	1	LOCK WASHER FOR HD SIZE 18 BLKHD
131	IDX20634	1	JAM NUT FOR HD SIZE 18 BLKHD
132	IDX11197	2	PLUG, 8MB
133	IDX23537	2	ADAPTER, 8FJ-4MJ STR
134	IDX23535	6	ADAPTER, 6MB-4MJ90
135	IDX23536	2	HYD FITTING, -8MB-6MJ90
136	IDX23534	3	ADAPTER, 6MB-MJ STR

137	IDX20366	1	HOSE ASSY, VSV1.2 TO VSV2.1
138	IDX20367	1	HOSE ASSY, VSV1.1 TO V10.LS
139	IDX20369	1	HOSE ASSY, VSV1.3 TO V2.3 TEE
140	IDX20370	1	HOSE ASSY, VSV2.3 TO V3.3 TEE
141	IDX20371	1	HOSE ASSY, V6.LS TO V10.LS
142	IDX20372	1	HOSE ASSY, V6.T TO V10.T
143	IDX20373	1	HOSE ASSY, V6.P TO V10.P
144	IDX20374	1	HOSE ASSY, V10.2R TO VV03.1
145	IDX20375	1	HOSE ASSY, V10.2B TO BKHD
146	IDX20376	1	HOSE ASSY, V10.1R TO BKHD
147	IDX20377	1	HOSE ASSY, V10.1B TO BKHD
148	IDX20608	1	HARNESS, PMP STN INSIDE

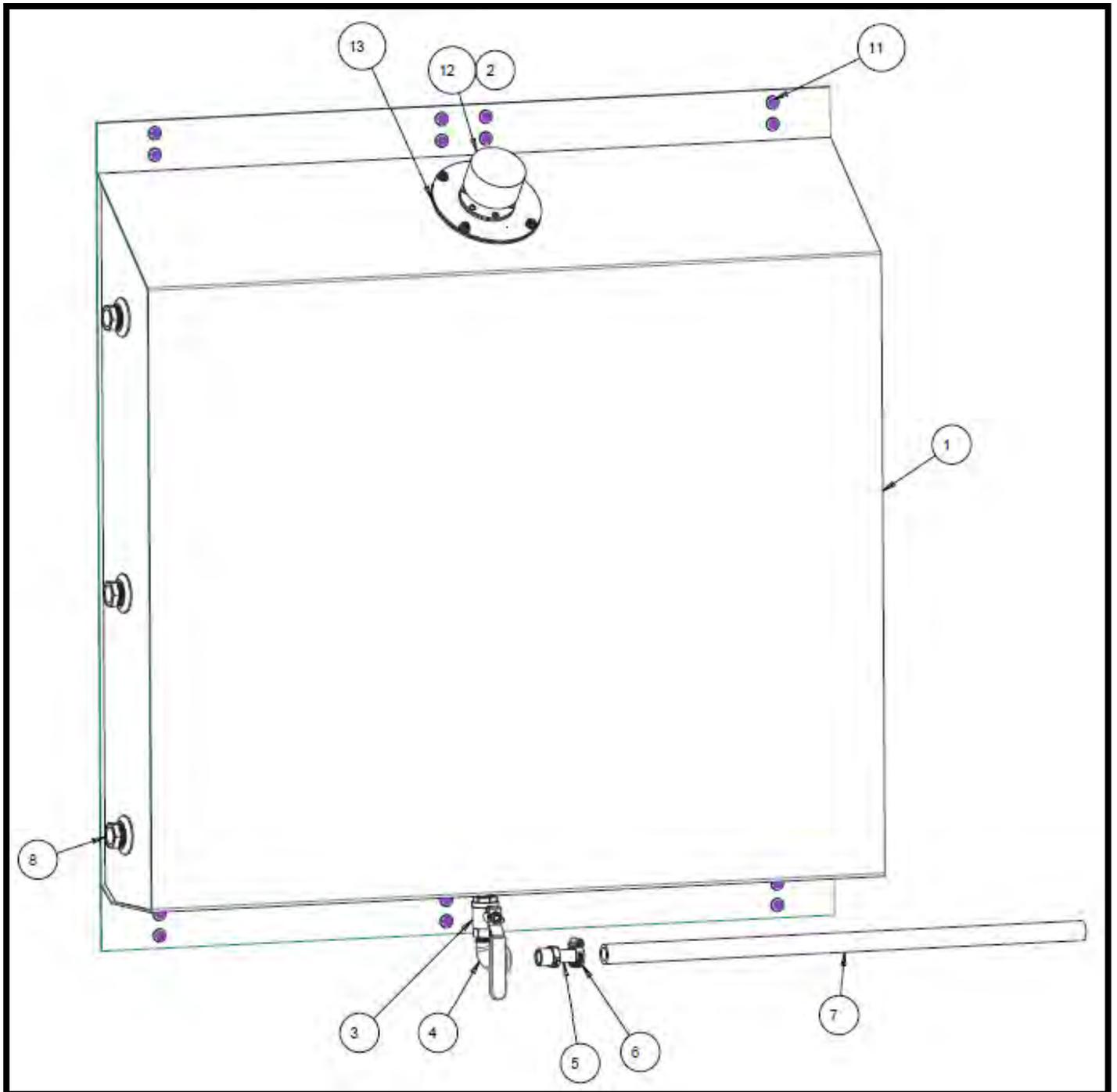
Strainer Housing – IDX10070



Strainer Housing – IDX10070

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX10115	1	WLDT, STRAINER MANIFOLD
2	IDX22034	1	SHEET, FORMED
3	IDX22036	1	SCREEN, 1/16" HOLES
4	IDX22089	1	GASKET, STRAINER
5	IDX10124	1	PRESSURE GAGE
6	IDX22096	1	WLDT, STRAINER COVER

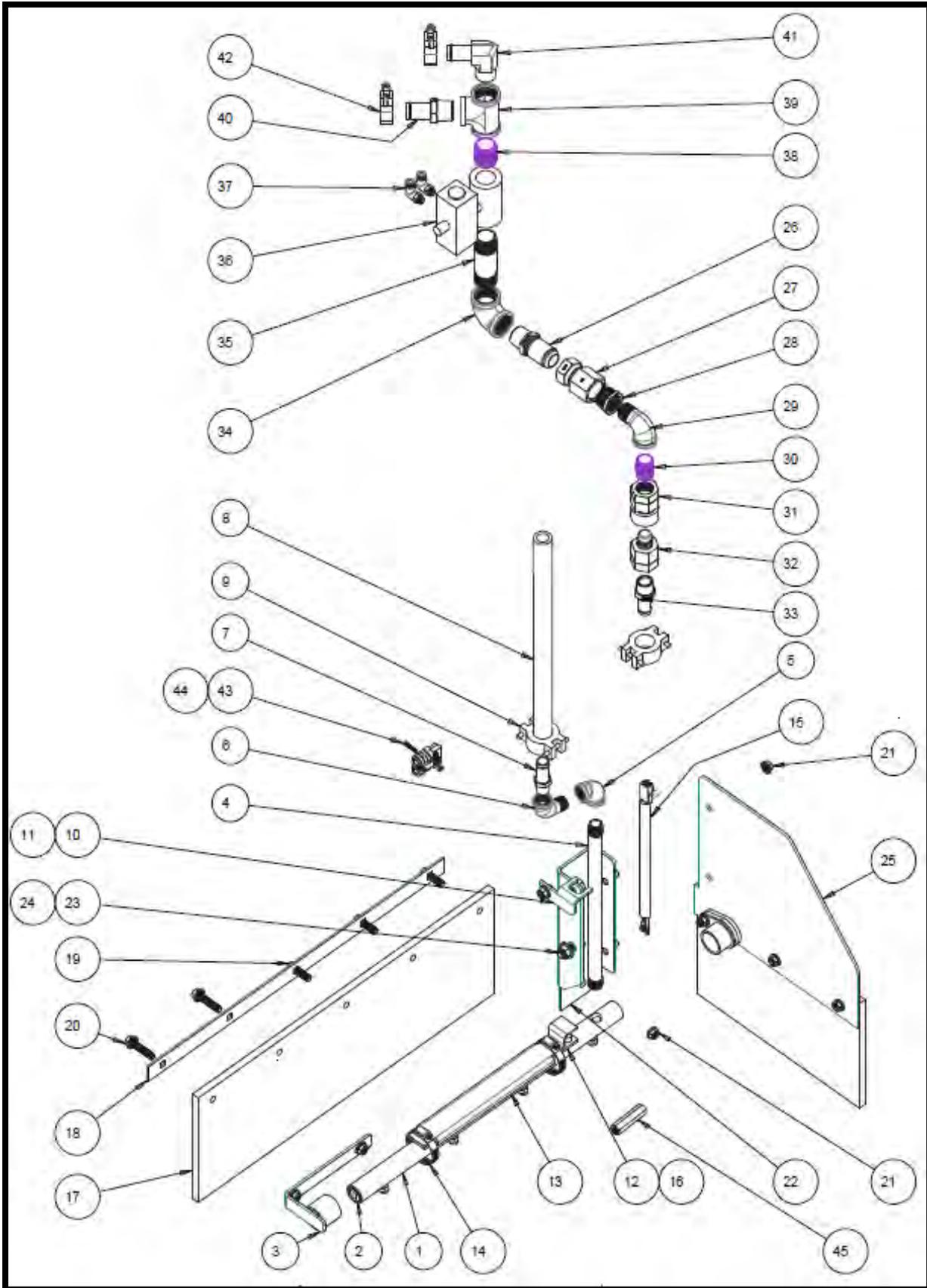
Cleanout Tank – IDX21370 (OPTION)



Cleanout Tank – IDX21370 (OPTION)

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21371	1	WLDT, CLEANOUT TANK
2	IDX10194	4	SERR-FLG HEX LKNUT ZN 1/4-20
3	IDX21338	1	BALL VALVE, 3/4 NPT, M F
4	IDX10473	1	3/4" PIPE ELBOW
5	IDX23332	1	BEADED HOSEBARB, 3/4
6	IDX23334	1	HOSE CLAMP, 1 1/4"
7	IDX11040	30 FT	HOSE, 3/4" ID
8	IDX21375	3	SIGHT GLASS, 1" NPT
9	IDX21357	16	RIVET NUT, 1/4-20
10	IDX10196	16	WASHER, FLAT 1/4" ZN
11	IDX20192	16	HHCS, 1/4-20, 1" LONG
12	IDX23652	1	ASM, CLN OUT TNK, FILL CAP
13	IDX21333	1	GASKET

Rear Spray Bar for Wheeled Paver, Cat 1000, Left – IDX23610

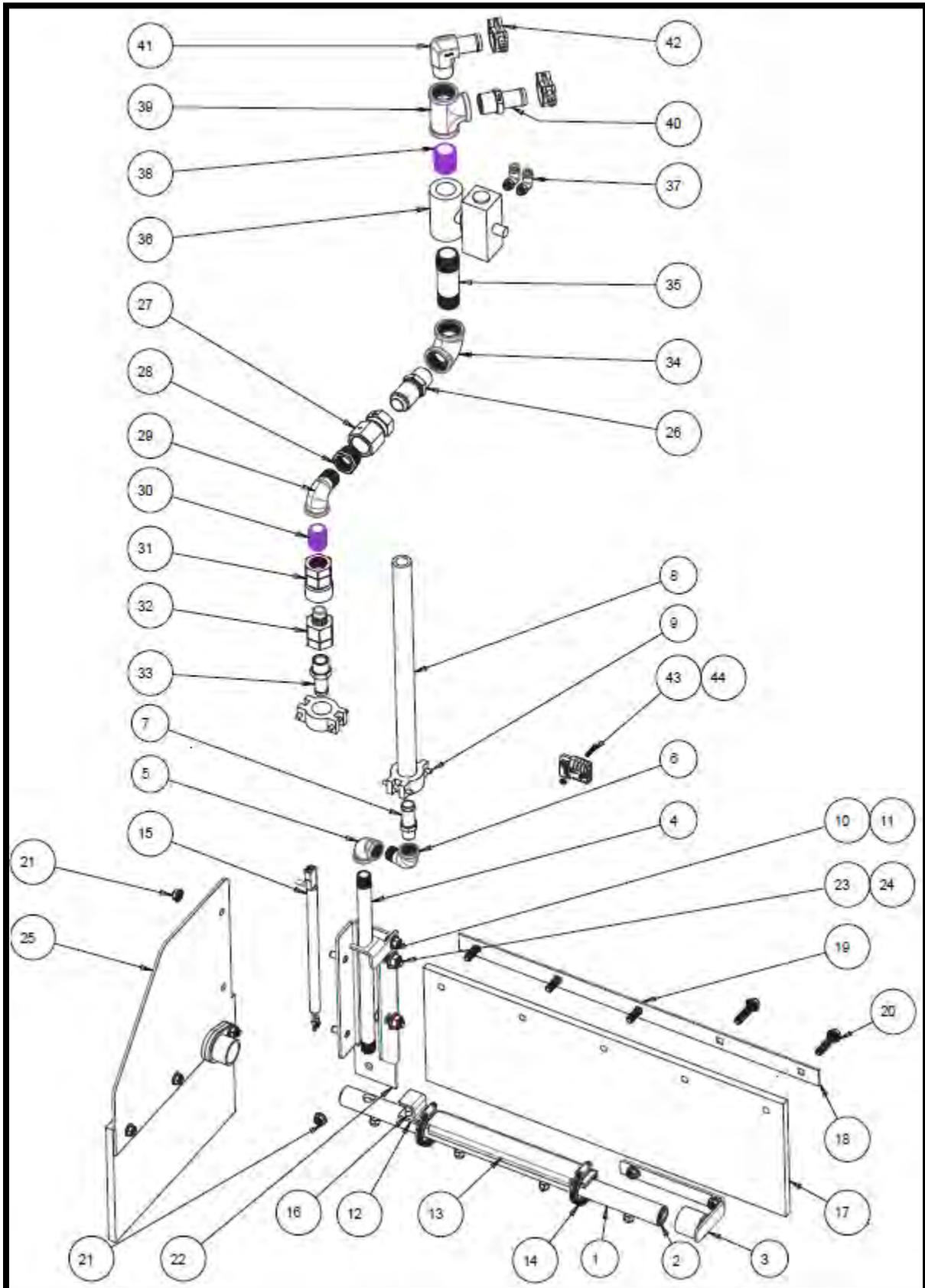


Rear Spray Bar for Wheeled Paver, Cat 1000, Left – IDX23610

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23666 *	1	PIPE, ALUM, L REAR SB, 6 IN
2	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
3	IDX23612 *	1	WLDT, CUP BRACKET
4	IDX23617 *	1	PIPE, SCH40 1/2MNPT X 14 IN
5	IDX23591 *	1	ELBOW, 1/2" FNPT 90
6	IDX11193 *	1	ELBOW, 1/2 NPT STREET
7	IDX23439 *	1	BEAD HOSE BARB, 3/4", 1/2" NPT
8	IDX11040 *	2 FT	HOSE, 3/4" ID
9	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
10	IDX23596 *	1	SHEET, BKT, L
11	IDX23608 *	1	HHFCS, 3/8-16 X 1/2"
12	IDX23300 *	1	HEAT STRIP
13	IDX23405 *	1	SHEET, HEATER CLAMP
14	IDX23399 *	2	HOSE CLAMP, 2.25"
15	IDX20607 *	1	CABLE ASSY, REAR SB
16	IDX23412 *	2	TERMINAL COVER, CERAMIC
17	IDX23630	1	SKIRT, REAR SB
18	IDX23427	1	SHEET
19	IDX10186	3	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
20	IDX23613	2	HHCS, FLG, 3/8-16 X 1.75
21	IDX10187 *	5	SERR FLG HEX NUT 3/8-16
22	IDX23598 *	1	WLDT, SHIELD BKT, L
23	IDX23411 *	2	HHFCS 1/2-13 X 1.25
24	IDX10191 *	2	SERR FLG HEX NUT 1/2"-13
25	IDX23618 *	1	ASSY, SHIELD, L
26	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
27	IDX11176	1	ADAPTER, 16FJX-16FP
28	IDX23320	1	BUSHING, 1" TO 3/4" NPT
29	IDX10473	1	3/4" PIPE ELBOW
30	IDX11225 *	1	PIPE NIPPLE, 3/4" NPT CLOSE
31	IDX10524 *	1	QUICK COUPLING 3/4" NPT
32	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
33	IDX23332 *	1	BEADED HOSEBARB, 3/4
34	IDX11599	1	ELBOW, 1" PIPE
35	IDX23236	1	PIPE, 1" NPT X 4"
36	IDX23294	1	VALVE, BI-TORQ, 1" NPT
37	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
38	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
39	IDX23312	1	PIPE TEE, SCH40, 1" NPT
40	IDX11177	1	HOSE BARB, 1" X 1" MP
41	IDX11178	1	HOSE BARB, 1" X 1" MP90
42	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
43	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
44	IDX20773	2	LOCK NUT, 6-32, NYLON INSERT
45	IDX20769	1	STANDOFF, 3/8-16 X 2.5", 5/8" HEX

Spare parts kit IDX24320 includes parts marked with *

Rear Spray Bar for Wheeled Paver, Cat 1000, Right – IDX23611

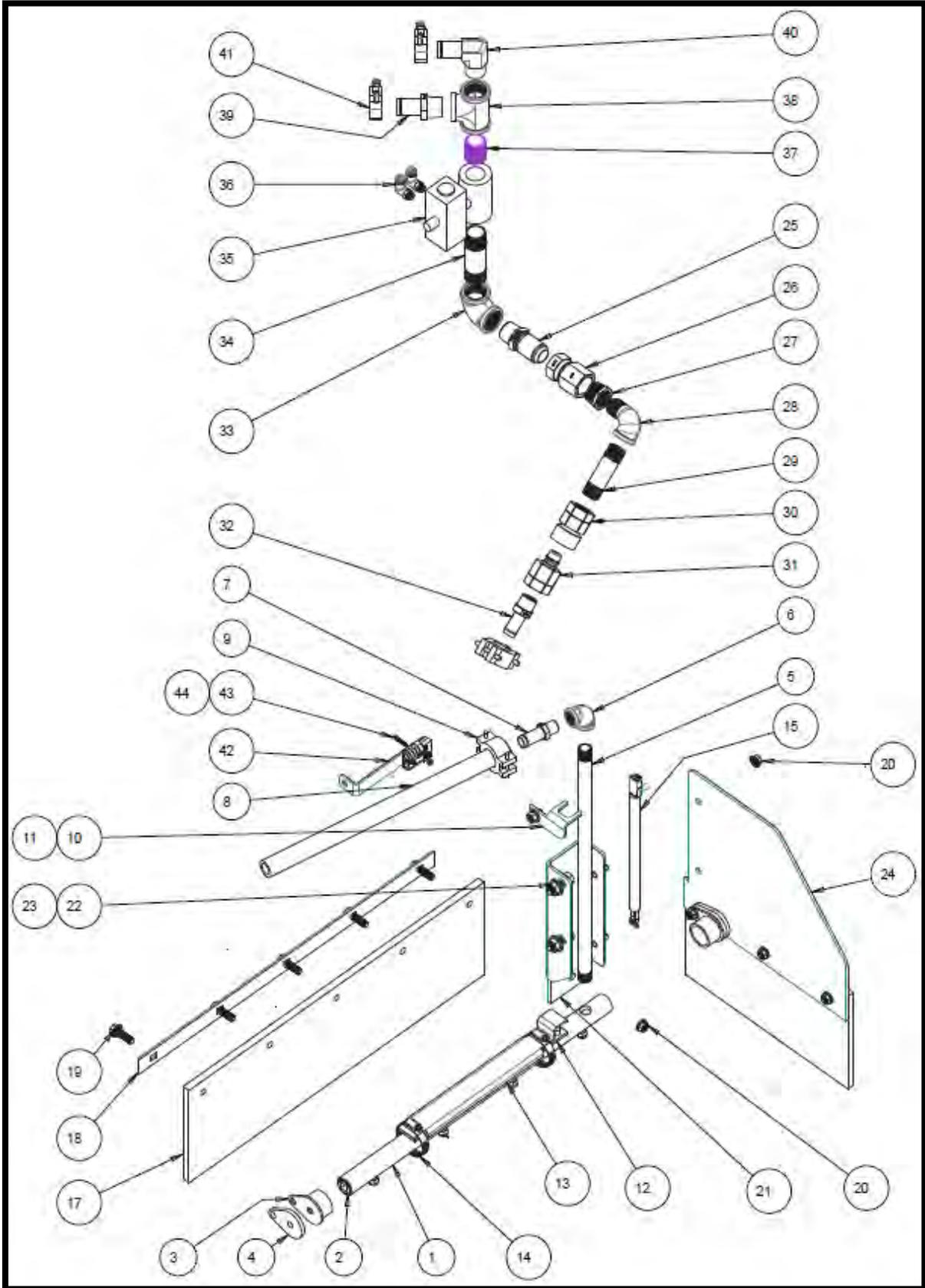


Rear Spray Bar for Wheeled Paver, Cat 1000, Right – IDX23611

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23667 *	1	PIPE, ALUM, R REAR SB, 6 IN
2	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
3	IDX23612 *	1	WLDT, CUP BRACKET
4	IDX23617 *	1	PIPE, SCH40 1/2MNPT X 14 IN
5	IDX23591 *	1	ELBOW, 1/2" FNPT 90
6	IDX11193 *	1	ELBOW, 1/2 NPT STREET
7	IDX23439 *	1	BEAD HOSE BARB, 3/4", 1/2" NPT
8	IDX11040 *	2 FT	HOSE, 3/4" ID
9	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
10	IDX23597 *	1	SHEET, BKT, R
11	IDX23608 *	1	HHFCS, 3/8-16 X 1/2"
12	IDX23300 *	1	HEAT STRIP
13	IDX23405 *	1	SHEET, HEATER CLAMP
14	IDX23399 *	2	HOSE CLAMP, 2.25"
15	IDX20607 *	1	CABLE ASSY, REAR SB
16	IDX23412 *	2	TERMINAL COVER, CERAMIC
17	IDX23630	1	SKIRT, REAR SB
18	IDX23427	1	SHEET
19	IDX10186	3	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
20	IDX23613	2	HHCS, FLG, 3/8-16 X 1.75
21	IDX10187 *	5	SERR FLG HEX NUT 3/8-16
22	IDX23599 *	1	WLDT, SHIELD BKT, R
23	IDX23411 *	2	HHFCS 1/2-13 X 1.25
24	IDX10191 *	2	SERR FLG HEX NUT 1/2"-13
25	IDX23619 *	1	ASSY, SHIELD, R
26	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
27	IDX11176	1	ADAPTER, 16FJX-16FP
28	IDX23320	1	BUSHING, 1" TO 3/4" NPT
29	IDX10473	1	3/4" PIPE ELBOW
30	IDX11225 *	1	PIPE NIPPLE, 3/4" NPT CLOSE
31	IDX10524 *	1	QUICK COUPLING 3/4" NPT
32	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
33	IDX23332 *	1	BEADED HOSEBARB, 3/4
34	IDX11599	1	ELBOW, 1" PIPE
35	IDX23236	1	PIPE, 1" NPT X 4"
36	IDX23294	1	VALVE, BI-TORQ, 1" NPT
37	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
38	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
39	IDX23312	1	PIPE TEE, SCH40, 1" NPT
40	IDX11177	1	HOSE BARB, 1" X 1" MP
41	IDX11178	1	HOSE BARB, 1" X 1" MP90
42	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
43	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
44	IDX20773	2	LOCK NUT, 6-32, NYLON INSERT
45	IDX20769	1	STANDOFF, 3/8-16 X 2.5", 5/8" HEX

Spare parts kit IDX24321 includes parts marked with *

Rear Spray Bar for Tracked Paver, Cat 1055, Left – IDX23606

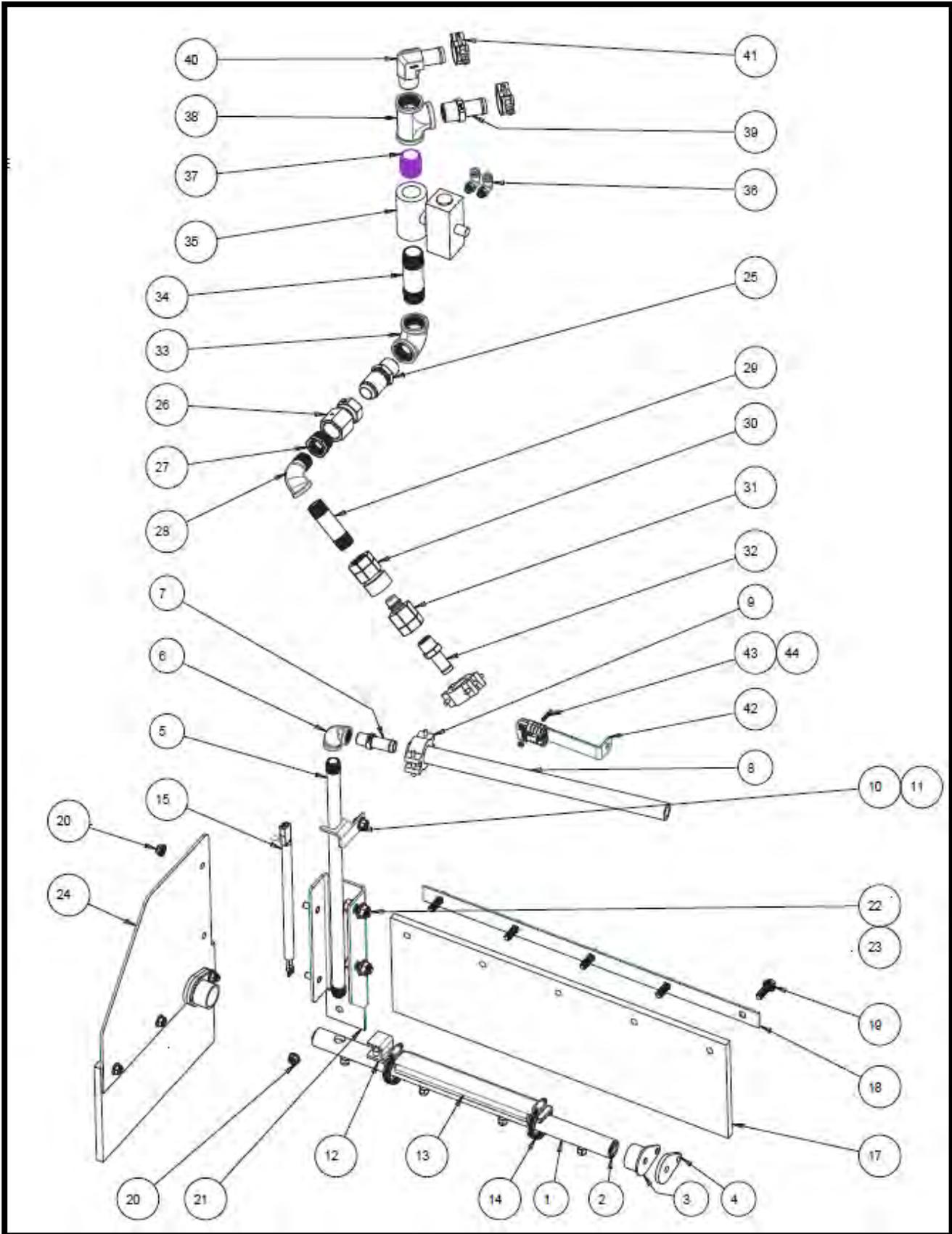


Rear Spray Bar for Tracked Paver, Cat 1055, Left – IDX23606

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23666 *	1	PIPE, ALUM, L REAR SB, 6 IN
2	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
3	IDX23593 *	1	WLDT, MNT, REAR SB
4	IDX23603 *	1	SHEET
5	IDX23595 *	1	PIPE, SCH40 1/2 NPT X 20 IN
6	IDX23591 *	1	ELBOW, 1/2" FNPT 90
7	IDX23439 *	1	BEAD HOSE BARB, 3/4", 1/2" NPT
8	IDX11040 *	3 FT	HOSE, 3/4" ID
9	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
10	IDX23596 *	1	SHEET, BKT, L
11	IDX23608 *	1	HHFCS, 3/8-16 X 1/2"
12	IDX23300 *	1	HEAT STRIP
13	IDX23405 *	1	SHEET, HEATER CLAMP
14	IDX23399 *	2	HOSE CLAMP, 2.25"
15	IDX20607 *	1	CABLE ASSY, REAR SB
16	IDX23412 *	2	TERMINAL COVER, CERAMIC
17	IDX23432	1	SKIRT, REAR SB
18	IDX23427	1	SHEET
19	IDX10186	5	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
20	IDX10187 *	3	SERR FLG HEX NUT 3/8-16
21	IDX23598 *	1	WLDT, SHIELD BKT, L
22	IDX23411 *	2	HHFCS 1/2-13 X 1.25
23	IDX10191 *	2	SERR FLG HEX NUT 1/2"-13
24	IDX23604 *	1	ASSY, SHIELD, L
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23320	1	BUSHING, 1" TO 3/4" NPT
28	IDX10473	1	3/4" PIPE ELBOW
29	IDX10161 *	1	3/4" PIPE NIPPLE X 3 1/2" LG
30	IDX10524 *	1	QUICK COUPLING 3/4" NPT
31	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
32	IDX23332 *	1	BEADED HOSEBARB, 3/4
33	IDX11599	1	ELBOW, 1" PIPE
34	IDX23236	1	PIPE, 1" NPT X 4"
35	IDX23294	1	VALVE, BI-TORQ, 1" NPT
36	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
37	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
38	IDX23312	1	PIPE TEE, SCH40, 1" NPT
39	IDX11177	1	HOSE BARB, 1" X 1" MP
40	IDX11178	1	HOSE BARB, 1" X 1" MP90
41	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
42	IDX23609	1	SHEET, BKT
43	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
44	IDX20773	2	LOCK NUT, 6-32, NYLON INSERT
45	IDX20769	1	STANDOFF, 3/8-16 X 2.5", 5/8" HEX

Spare parts kit IDX24314 includes parts marked with *

Rear Spray Bar for Tracked Paver, Cat 1055, Right – IDX23607

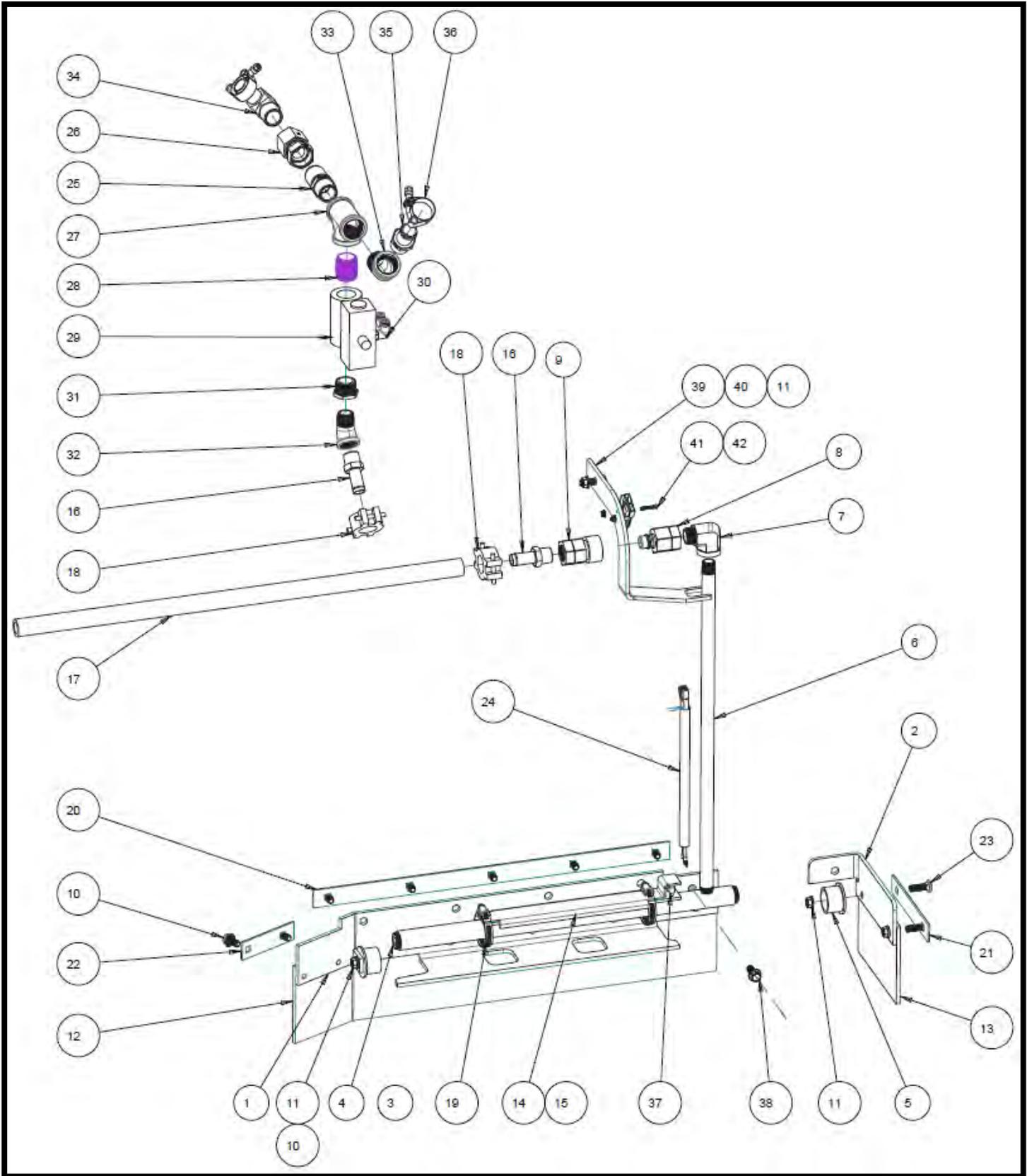


Rear Spray Bar for Tracked Paver, Cat 1055, Right – IDX23607

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23667 *	1	PIPE, ALUM, R REAR SB, 6 IN
2	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
3	IDX23593 *	1	WLDT, MNT, REAR SB
4	IDX23603 *	1	SHEET
5	IDX23595 *	1	PIPE, SCH40 1/2 NPT X 20 IN
6	IDX23591 *	1	ELBOW, 1/2" FNPT 90
7	IDX23439 *	1	BEAD HOSE BARB, 3/4", 1/2" NPT
8	IDX11040 *	3 FT	HOSE, 3/4" ID
9	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
10	IDX23597 *	1	SHEET, BKT, R
11	IDX23608 *	1	HHFCS, 3/8-16 X 1/2"
12	IDX23300 *	1	HEAT STRIP
13	IDX23405 *	1	SHEET, HEATER CLAMP
14	IDX23399 *	2	HOSE CLAMP, 2.25"
15	IDX20607 *	1	CABLE ASSY, REAR SB
16	IDX23412 *	2	TERMINAL COVER, CERAMIC
17	IDX23432	1	SKIRT, REAR SB
18	IDX23427	1	SHEET
19	IDX10186	5	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
20	IDX10187 *	3	SERR FLG HEX NUT 3/8-16
21	IDX23599 *	1	WLDT, SHIELD BKT, R
22	IDX23411 *	2	HHFCS 1/2-13 X 1.25
23	IDX10191 *	2	SERR FLG HEX NUT 1/2"-13
24	IDX23605 *	1	ASSY, SHIELD, R
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23320	1	BUSHING, 1" TO 3/4" NPT
28	IDX10473	1	3/4" PIPE ELBOW
29	IDX10161 *	1	3/4" PIPE NIPPLE X 3 1/2" LG
30	IDX10524 *	1	QUICK COUPLING 3/4" NPT
31	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
32	IDX23332 *	1	BEADED HOSEBARB, 3/4
33	IDX11599	1	ELBOW, 1" PIPE
34	IDX23236	1	PIPE, 1" NPT X 4"
35	IDX23294	1	VALVE, BI-TORQ, 1" NPT
36	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
37	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
38	IDX23312	1	PIPE TEE, SCH40, 1" NPT
39	IDX11177	1	HOSE BARB, 1" X 1" MP
40	IDX11178	1	HOSE BARB, 1" X 1" MP90
41	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
42	IDX23609	1	SHEET, BKT
43	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
44	IDX20773	2	LOCK NUT, 6-32, NYLON INSERT
45	IDX20769	1	STANDOFF, 3/8-16 X 2.5", 5/8" HEX

Spare parts kit IDX24315 includes parts marked with *

Rear Spray Bar for Tracked Paver, Volvo P7110, Left – IDX23668

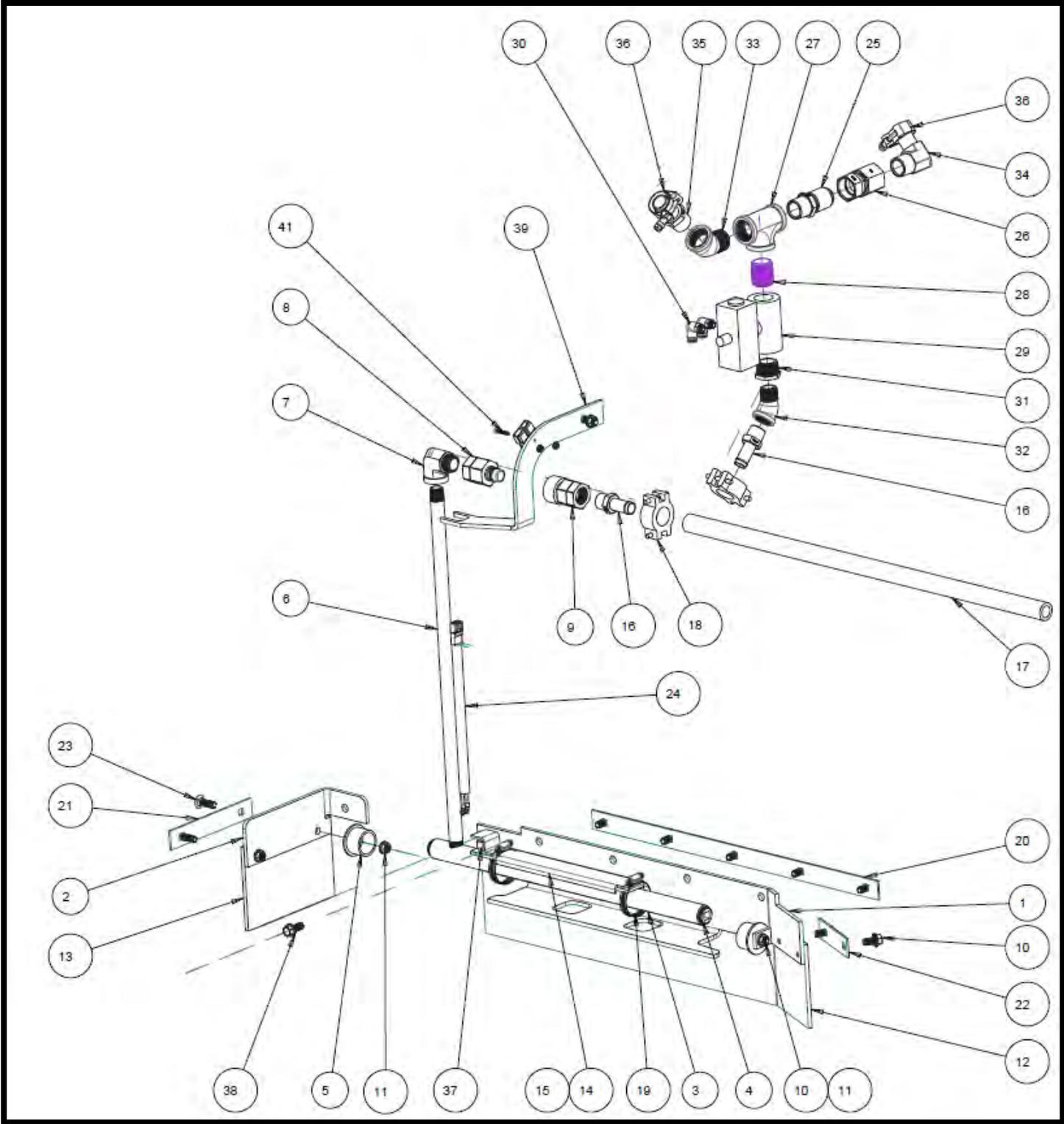


Rear Spray Bar for Tracked Paver, Volvo P7110, Left – IDX23668

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23662 *	1	WLDT, L REAR SB BKT, VOLVO 6"
2	IDX23577 *	1	SHEET, FORMED
3	IDX23666 *	1	PIPE, ALUM, L REAR SB, VOLVO, 6 IN
4	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
5	IDX23434 *	2	WLDT, MNT, REAR SB
6	IDX23575 *	1	PIPE, SCH40 1/2MNPT, 24"
7	IDX23590 *	1	ADAPTER, 12MP-08FP 90
8	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
9	IDX10524	1	QUICK COUPLING 3/4" NPT
10	IDX11099 *	8	FHHCS SERR 3/8-16 X 3/4"
11	IDX10187 *	4	SERR FLG HEX NUT 3/8-16
12	IDX23562	1	SKIRT, RUBBER, REAR SPRAYBAR
13	IDX23563 *	1	SKIRT, REAR SB
14	IDX23300 *	1	HEAT STRIP
15	IDX23405 *	1	SHEET, HEATER CLAMP
16	IDX23332	2	BEADED HOSEBARB, 3/4
17	IDX11040	4 FT	HOSE, 3/4" ID
18	IDX21261	2	CLAMP, DOUBLE BOLT, 3/4"
19	IDX23399 *	2	HOSE CLAMP, 2.25"
20	IDX23570	1	SHEET
21	IDX23571 *	1	SHEET
22	IDX23572	1	SHEET
23	IDX23579 *	2	CARRIAGE BOLT, 3/8-16 X 1.25
24	IDX20607 *	1	CABLE ASSY, REAR SB
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23312	1	PIPE TEE, SCH40, 1" NPT
28	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
29	IDX23294	1	VALVE, BI-TORQ, 1" NPT
30	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
31	IDX23320	1	BUSHING, 1" TO 3/4" NPT
32	IDX11576	1	ELBOW, 3/4 NPT STREET 45
33	IDX23584	1	ELBOW, 1 NPT STREET 45
34	IDX11178	1	HOSE BARB, 1" X 1" MP90
35	IDX11177	1	HOSE BARB, 1" X 1" MP
36	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
37	IDX23412 *	2	TERMINAL COVER, CERAMIC
38	IDX10195 *	1	FHHCS SERR 3/8-16 X 1" LG ZN
39	IDX23582 *	1	SHEET, BKT
40	IDX10186 *	1	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
41	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
42	IDX11001	2	HEX NUT, FLG 6-32 ZP

Spare parts kit IDX24318 includes parts marked with *

Rear Spray Bar for Tracked Paver, Volvo P7110, Right – IDX23669

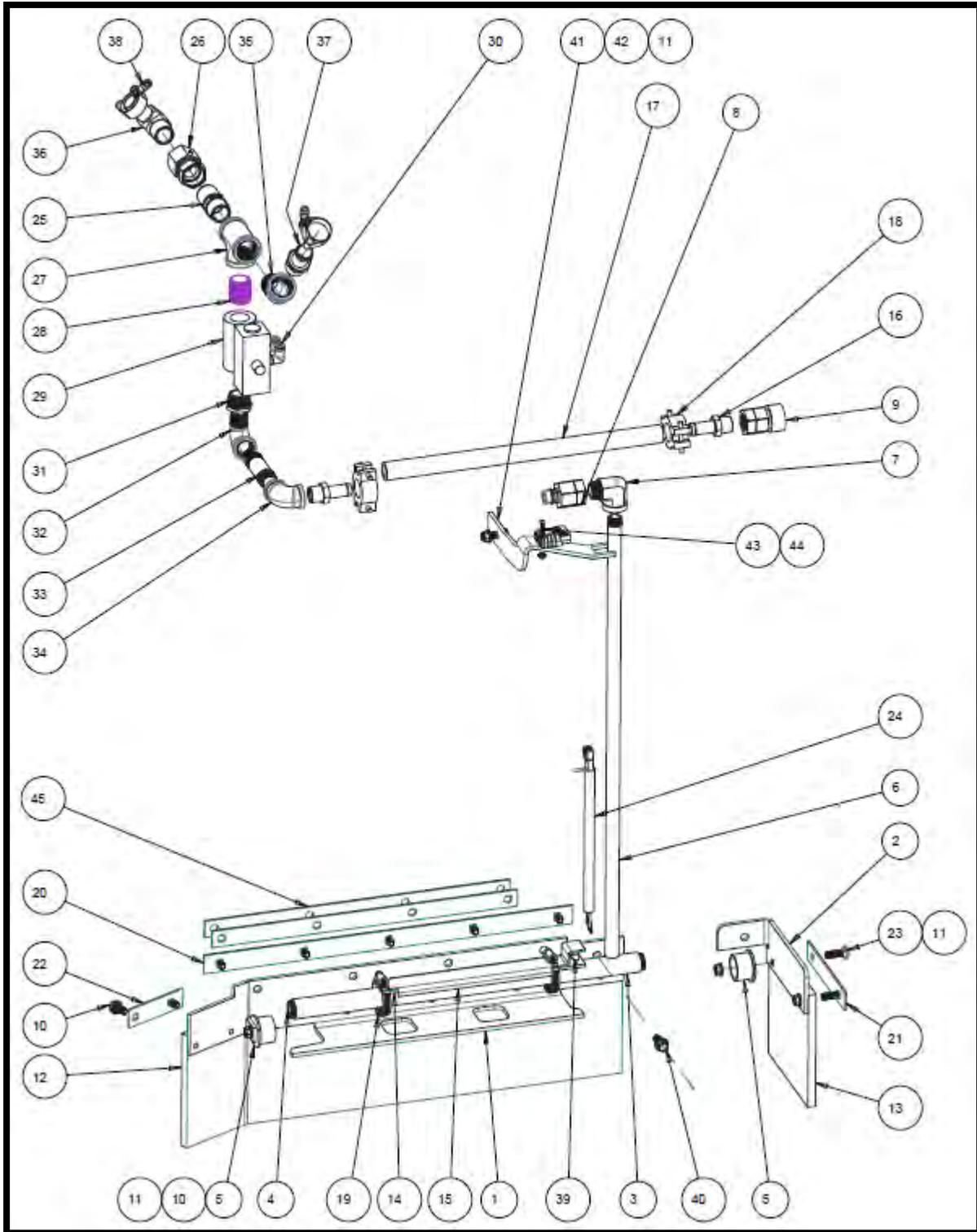


Rear Spray Bar for Tracked Paver, Volvo P7110, Right – IDX23669

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23663 *	1	WLDT, R REAR SB BKT, VOLVO 6"
2	IDX23588 *	1	SHEET, FORMED
3	IDX23667 *	1	PIPE, ALUM, R REAR SB, VOLVO, 6 IN
4	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
5	IDX23434 *	2	WLDT, MNT, REAR SB
6	IDX23575 *	1	PIPE, SCH40 1/2MNPT, 24"
7	IDX23590 *	1	ADAPTER, 12MP-08FP 90
8	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
9	IDX10524	1	QUICK COUPLING 3/4" NPT
10	IDX11099 *	8	FHHCS SERR 3/8-16 X 3/4"
11	IDX10187 *	4	SERR FLG HEX NUT 3/8-16
12	IDX23562	1	SKIRT, RUBBER, REAR SPRAYBAR
13	IDX23563 *	1	SKIRT, REAR SB
14	IDX23300 *	1	HEAT STRIP
15	IDX23405 *	1	SHEET, HEATER CLAMP
16	IDX23332	2	BEADED HOSEBARB, 3/4
17	IDX11040	4 FT	HOSE, 3/4" ID
18	IDX21261	2	CLAMP, DOUBLE BOLT, 3/4"
19	IDX23399 *	2	HOSE CLAMP, 2.25"
20	IDX23570	1	SHEET
21	IDX23571 *	1	SHEET
22	IDX23572	1	SHEET
23	IDX23579 *	2	CARRIAGE BOLT, 3/8-16 X 1.25
24	IDX20607 *	1	CABLE ASSY, REAR SB
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23312	1	PIPE TEE, SCH40, 1" NPT
28	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
29	IDX23294	1	VALVE, BI-TORQ, 1" NPT
30	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
31	IDX23320	1	BUSHING, 1" TO 3/4" NPT
32	IDX11576	1	ELBOW, 3/4 NPT STREET 45
33	IDX23584	1	ELBOW, 1 NPT STREET 45
34	IDX11178	1	HOSE BARB, 1" X 1" MP90
35	IDX11177	1	HOSE BARB, 1" X 1" MP
36	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
37	IDX23412 *	2	TERMINAL COVER, CERAMIC
38	IDX10195 *	1	FHHCS SERR 3/8-16 X 1" LG ZN
39	IDX23589 *	1	SHEET, BKT
40	IDX10186 *	1	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
41	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
42	IDX11001	2	HEX NUT, FLG 6-32 ZP

Spare parts kit IDX24319 includes parts marked with *

Rear Spray Bar for Wheeled Paver, Volvo P7170, Left – IDX23718

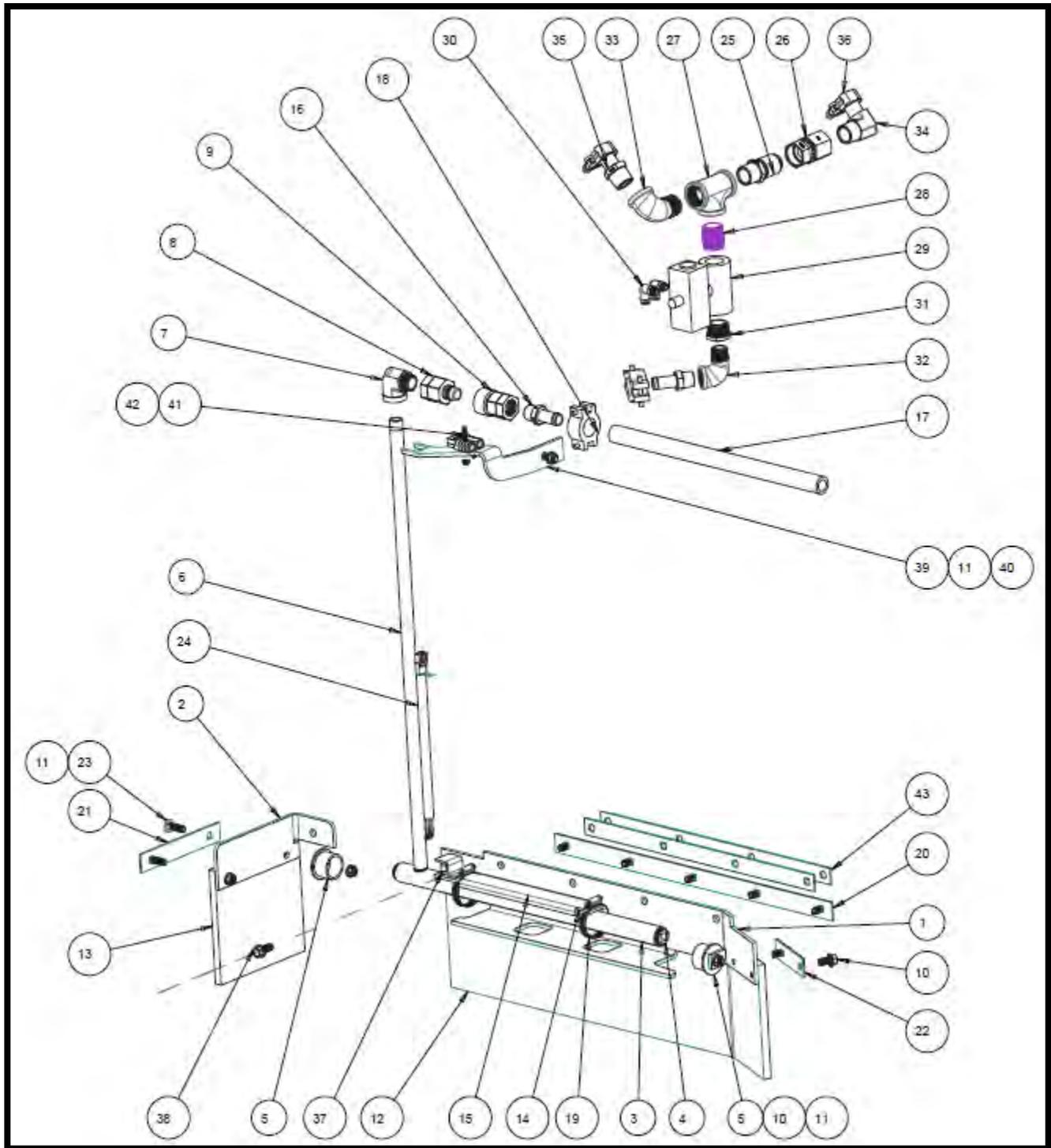


Rear Spray Bar for Wheeled Paver, Volvo P7170, Left – IDX23718

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23662 *	1	WLDT, L REAR SB BKT, VOLVO 6"
2	IDX23577 *	1	SHEET, FORMED
3	IDX23666 *	1	PIPE, ALUM, L REAR SB, 6 IN
4	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
5	IDX23434 *	2	WLDT, MNT, REAR SB
6	IDX23715 *	1	PIPE, SCH40, 1/2MNPT X 31IN
7	IDX23590 *	1	ADAPTER, 12MP-08FP 90
8	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
9	IDX10524 *	1	QUICK COUPLING 3/4" NPT
10	IDX11099 *	8	FHHCS SERR 3/8-16 X 3/4"
11	IDX10187 *	4	SERR FLG HEX NUT 3/8-16
12	IDX23712	1	SKIRT, RUBBER, REAR SPRAYBAR
13	IDX23713 *	1	SKIRT, REAR SB
14	IDX23300 *	1	HEAT STRIP
15	IDX23405 *	1	SHEET, HEATER CLAMP
16	IDX23332 *	2	BEADED HOSEBARB, 3/4
17	IDX11040 *	3 FT	HOSE, 3/4" ID
18	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
19	IDX23399 *	2	HOSE CLAMP, 2.25"
20	IDX23570	1	SHEET
21	IDX23571 *	1	SHEET
22	IDX23572	1	SHEET
23	IDX23579 *	2	CARRIAGE BOLT, 3/8-16 X 1.25
24	IDX20607 *	1	CABLE ASSY, REAR SB
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23312	1	PIPE TEE, SCH40, 1" NPT
28	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
29	IDX23294	1	VALVE, BI-TORQ, 1" NPT
30	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
31	IDX23320	1	BUSHING, 1" TO 3/4" NPT
32	IDX10473	1	3/4" PIPE ELBOW
33	IDX10161	1	3/4" PIPE NIPPLE X 3 1/2" LG
34	IDX23437	1	ELBOW, 3/4 NPT
35	IDX23584	1	ELBOW, 1 NPT STREET 45
36	IDX11178	1	HOSE BARB, 1" X 1" MP90
37	IDX11177	1	HOSE BARB, 1" X 1" MP
38	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
39	IDX23412 *	2	TERMINAL COVER, CERAMIC
40	IDX10195 *	1	FHHCS SERR 3/8-16 X 1" LG ZN
41	IDX23659 *	1	SHEET, BKT, REAR SB, L
42	IDX10186 *	1	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
43	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
44	IDX11001	2	HEX NUT, FLG 6-32 ZP
45	IDX23714	2	SHEET, SHIM

Spare parts kit IDX24323 includes parts marked with *

Rear Spray Bar for Wheeled Paver, Volvo P7170, Right – IDX23719

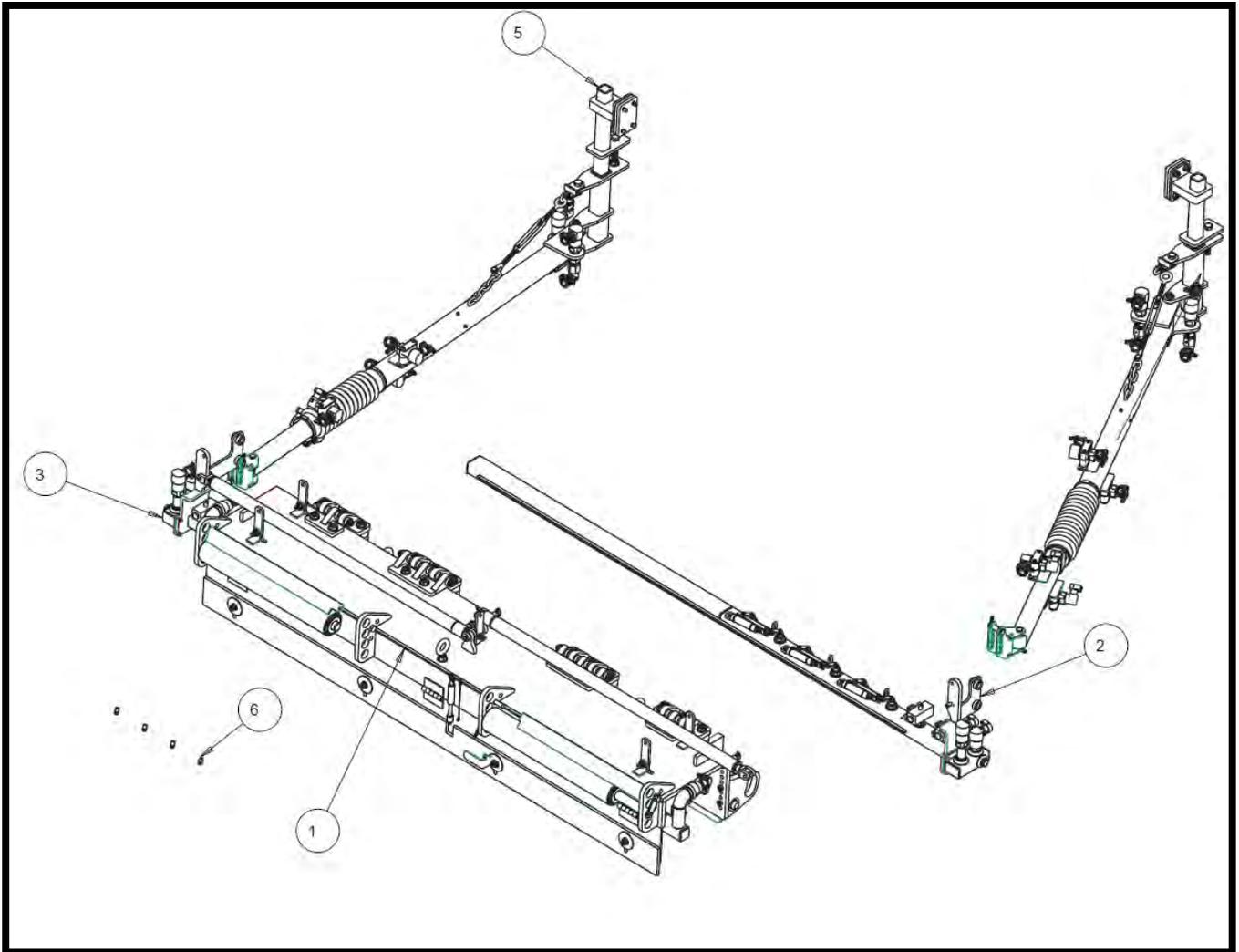


Rear Spray Bar for Wheeled Paver, Volvo P7170, Right – IDX23719

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23663 *	1	WLDT, R REAR SB BKT, VOLVO 6"
2	IDX23588 *	1	SHEET, FORMED
3	IDX23667 *	1	PIPE, ALUM, R REAR SB, 6 IN
4	IDX23438 *	2	PLUG, 3/4 NPT, ALUM
5	IDX23434 *	2	WLDT, MNT, REAR SB
6	IDX23715 *	1	PIPE, SCH40, 1/2MNPT X 31IN
7	IDX23590 *	1	ADAPTER, 12MP-08FP 90
8	IDX10164 *	1	3/4 NPT QUICK COUPLER MALE
9	IDX10524 *	1	QUICK COUPLING 3/4" NPT
10	IDX11099 *	8	FHHCS SERR 3/8-16 X 3/4"
11	IDX10187 *	4	SERR FLG HEX NUT 3/8-16
12	IDX23712	1	SKIRT, RUBBER, REAR SPRAYBAR
13	IDX23713 *	1	SKIRT, REAR SB
14	IDX23300 *	1	HEAT STRIP
15	IDX23405 *	1	SHEET, HEATER CLAMP
16	IDX23332 *	2	BEADED HOSEBARB, 3/4
17	IDX11040 *	3 FT	HOSE, 3/4" ID
18	IDX21261 *	2	CLAMP, DOUBLE BOLT, 3/4"
19	IDX23399 *	2	HOSE CLAMP, 2.25"
20	IDX23570	1	SHEET
21	IDX23571 *	1	SHEET
22	IDX23572	1	SHEET
23	IDX23579 *	2	CARRIAGE BOLT, 3/8-16 X 1.25
24	IDX20607 *	1	CABLE ASSY, REAR SB
25	IDX11175	1	ADAPTER, 16MP-16MJ BKHD
26	IDX11176	1	ADAPTER, 16FJX-16FP
27	IDX23312	1	PIPE TEE, SCH40, 1" NPT
28	IDX23311	1	PIPE, SCH40, 1 NPT, 1.5" L
29	IDX23294	1	VALVE, BI-TORQ, 1" NPT
30	IDX10878	2	1/8 NPT X 1/4 OD, 90 DEG PUSH IN
31	IDX23320	1	BUSHING, 1" TO 3/4" NPT
32	IDX10473	1	3/4" PIPE ELBOW
33	IDX23235	1	ELBOW, STREET, 1" PIPE
34	IDX11178	1	HOSE BARB, 1" X 1" MP90
35	IDX11177	1	HOSE BARB, 1" X 1" MP
36	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
37	IDX23412 *	2	TERMINAL COVER, CERAMIC
38	IDX10195 *	1	FHHCS SERR 3/8-16 X 1" LG ZN
39	IDX23660 *	1	SHEET, BKT, REAR SB, R
40	IDX10186 *	1	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
41	IDX11000	2	SCREW, 6-32 X 1.00 L ZP
42	IDX11001	2	HEX NUT, FLG 6-32 ZP
43	IDX23714	2	SHEET, SHIM

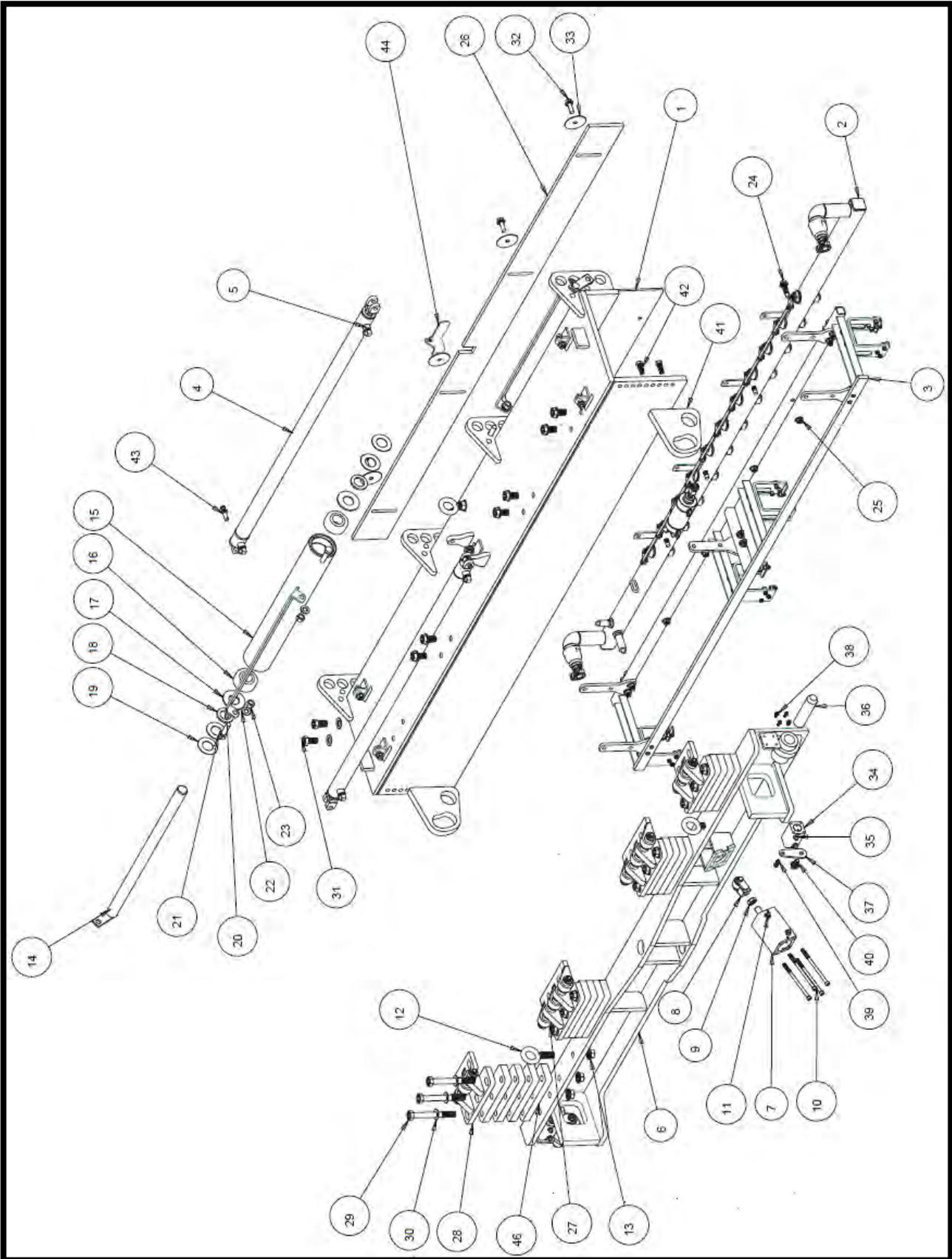
Spare parts kit IDX24324 includes parts marked with *

Spray Bar Group, Cat – IDX23000



ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23018	1	ASSY, BUMPER SLIDE BAR
2	IDX23622	1	ASSY, SLIDE BAR, LH, 6"
3	IDX23624	1	ASSY, SLIDE BAR, RH, 6"
4	IDX23242	1	ASSY, SPRAYBAR ARM, LEFT
5	IDX23243	1	ASSY, SPRAYBAR ARM, RIGHT
6	IDX23452	35	SPRAY NOZZLE-VJ,1/4

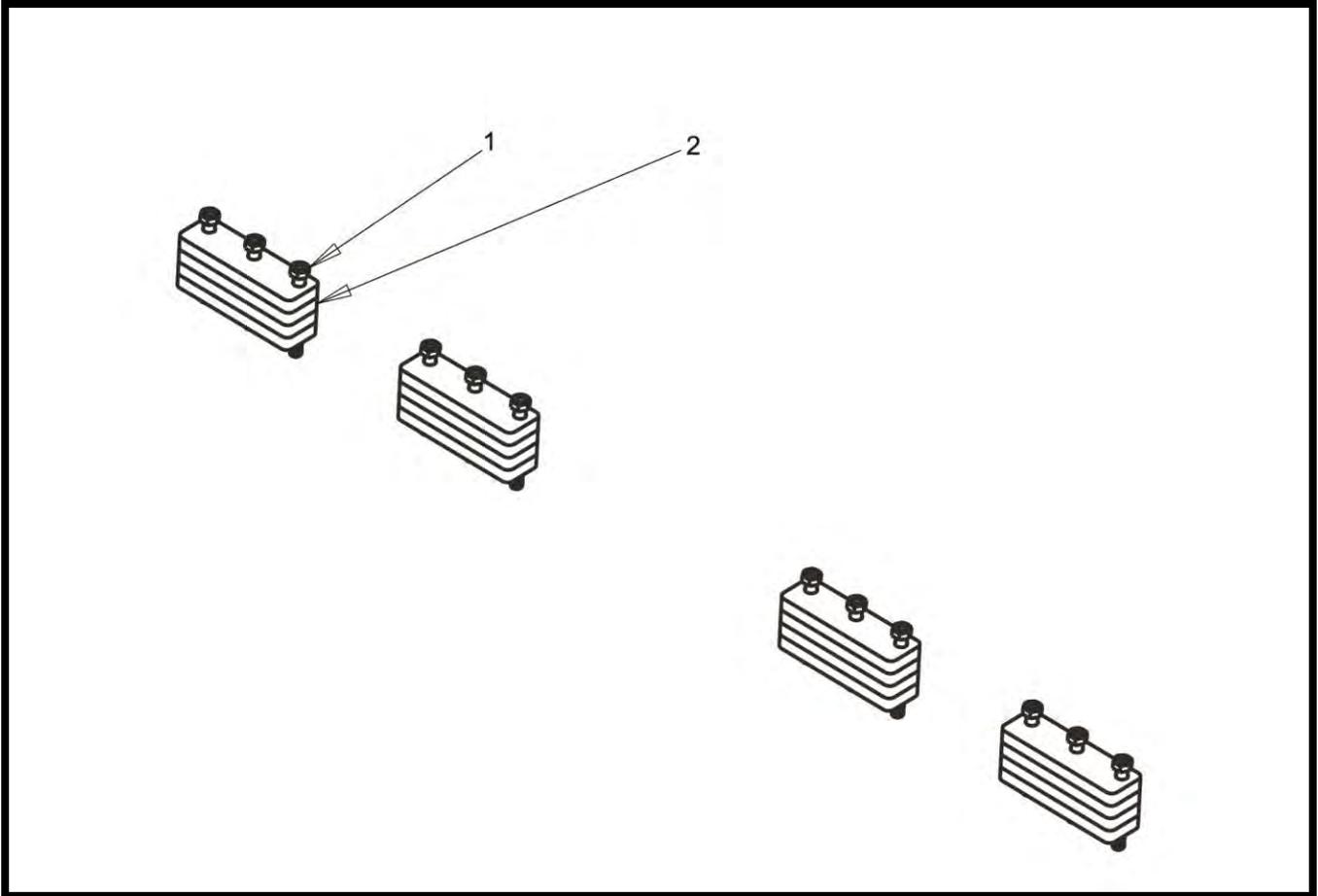
Front Spray Bar Housing, Cat – IDX23018



Front Spray Bar Housing, Cat – IDX23018

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23019	1	WLDT, BUMPER SLIDE BAR
2	IDX23620	1	ASSY, FIXED SPRAY BAR
3	IDX23052	1	ASSY, SPRAYBAR FRAME
4	IDX10065	2	CYLINDER, SPRAY BAR
	IDX23650	2	CYLINDER, WITH POSITION SENSOR (OPTIONAL)
	IDX20687	1	HARNES, FOR CYL W/ POSITION SENSOR (OPTION WITH ABOVE)
5	IDX10658	4	ADAPTER, 6MB-6MJ90
6	IDX23064	1	WLDT, SRAY BAR REAR
7	IDX23209	1	HYD CYLINDER, TILT
8	IDX10843	1	ASM, ROLLER
9	IDX23198	1	HEX NUT, THIN, 3/4-16
10	IDX23208	4	SHCS, 3/8-16 X 6
11	IDX10685	2	HYD FITTING, -4MB X -4SAE STR
12	IDX10681	3	EYEBOLT, 1 1/2" EYE X 3/4"
13	IDX23220	15	NUT, HEX, FLG, 3/4-10, GR8, ZP
14	IDX10433	2	SHAFT, ASSY
15	IDX10434	2	ROLLER
16	IDX10435	4	BEARING
17	IDX10436	4	WASHER, FLAT
18	IDX10437	4	WASHER,.5 ID X 2.38 OD X .25THK
19	IDX10438	8	PLATE, SHIM 1.5MM THK
20	IDX10439	2	PLATE, SCRAPER
21	IDX10440	4	BOLT M16X2 X 60MM LG
22	IDX10441	4	WASHER, 17MM ID X 3.4MM THK
23	IDX10442	4	NUT M16X2
24	IDX23126	4	HHFCS 1/2-13 X 2, SERR, ZP
25	IDX10191	9	SERR FLG HEX NUT 1/2"-13
26	IDX23139	1	RUBBER FLAP, FRONT
27	IDX23364	2	ASSY, TILT HINGE, 3 TAB
28	IDX23365	2	ASSY, TILT HINGE, 1 TAB
29	IDX23225	12	HHCS, 3/4-10 X 6.5, GR8
30	IDX10474	20	WASHER, FLAT 3/4" SCREW
31	IDX23366	8	HHCS, 3/4-10 X 1.5, GR8
32	IDX23082	9	HHFCS, 1/2-13 X 1.5, SERR, ZP
33	IDX23218	4	WASHER, 1/2 ID 3 OD
34	IDX23200	2	HYD CYLINDER, LATCH
35	IDX23204	4	HYD FITTING, -2MB X -4SAE STR
36	IDX23191	2	PIN, LATCH
37	IDX23193	2	BAR, LATCH LINK
38	IDX23202	8	HHFCS, 10-32 X 5/8, ZP
39	IDX23203	2	HHCS, 3/8-24 X 7/8, ZP
40	IDX23120	2	HHFCS 1/2-13 X 1
41	IDX23188	2	PLATE, LATCH STRIKE
42	IDX23197	4	HHCS, 1/2-13 X 1.5, GR 9
43	IDX10517	2	CLEVIS PIN, 1/2" DIA
44	IDX23497	1	SHEET, FORMED, HANDLE
45	IDX23070	4	PLATE, PUSH ROLLER BKT
46	IDX23187	16	PLATE, SPACER, BOLT PAD

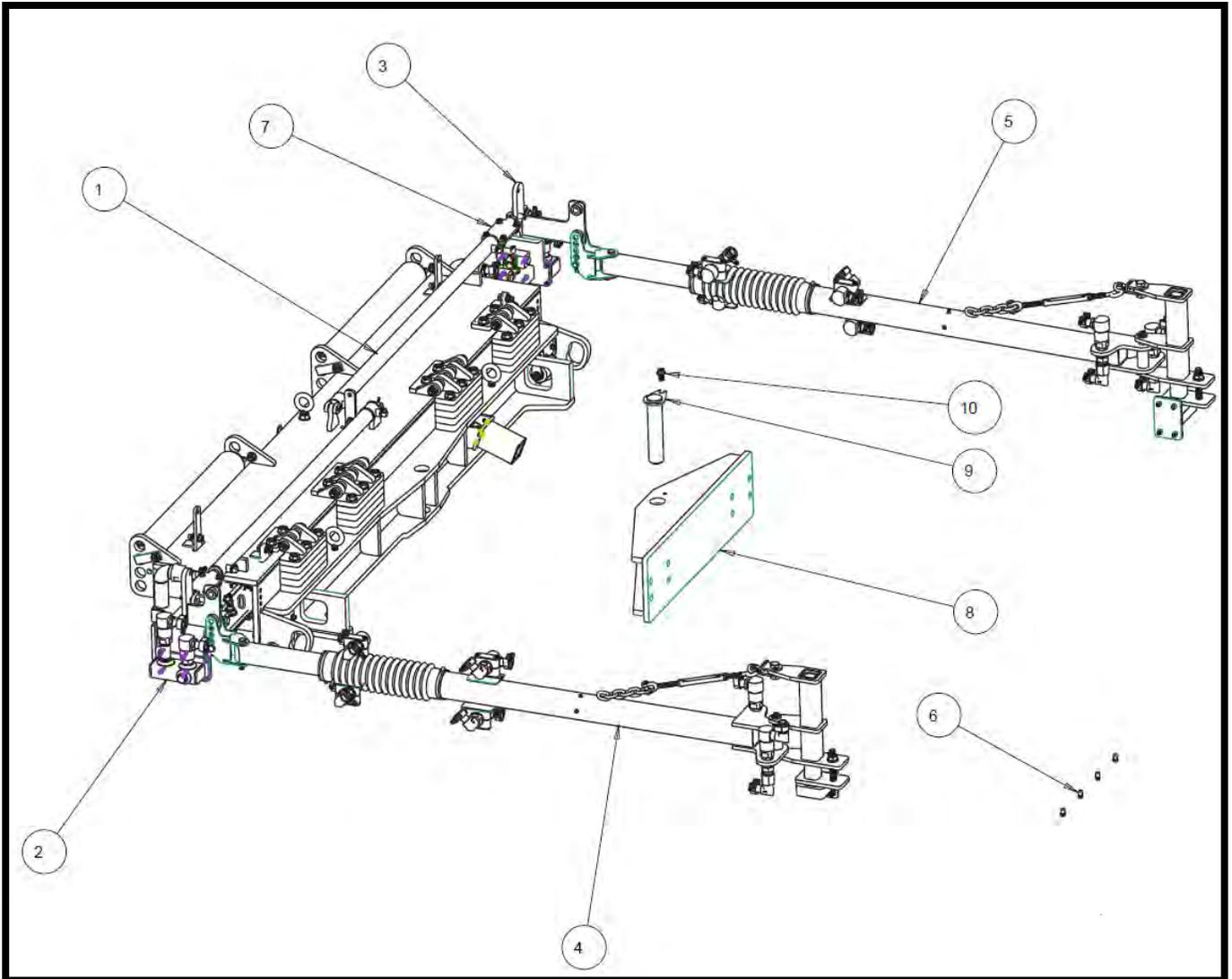
Front Spray Bar Housing Spacers



ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23225	12	HHCS-3/4-10 x 6.5 (when four spacers are used)
	IDX23224	12	HHCS-3/4-10 x 5.5 (when three spacers are used)
	IDX23223	12	HHCS-3/4-10 x 4.5 (when two spacers are used)
	IDX23222	12	HHCS-3/4-10 x 3.5 (when one spacer is used)
	IDX23221	12	HHCS-3/4-10 x 2.5 (when no spacers are used)
2	IDX23187	X4	Spacer

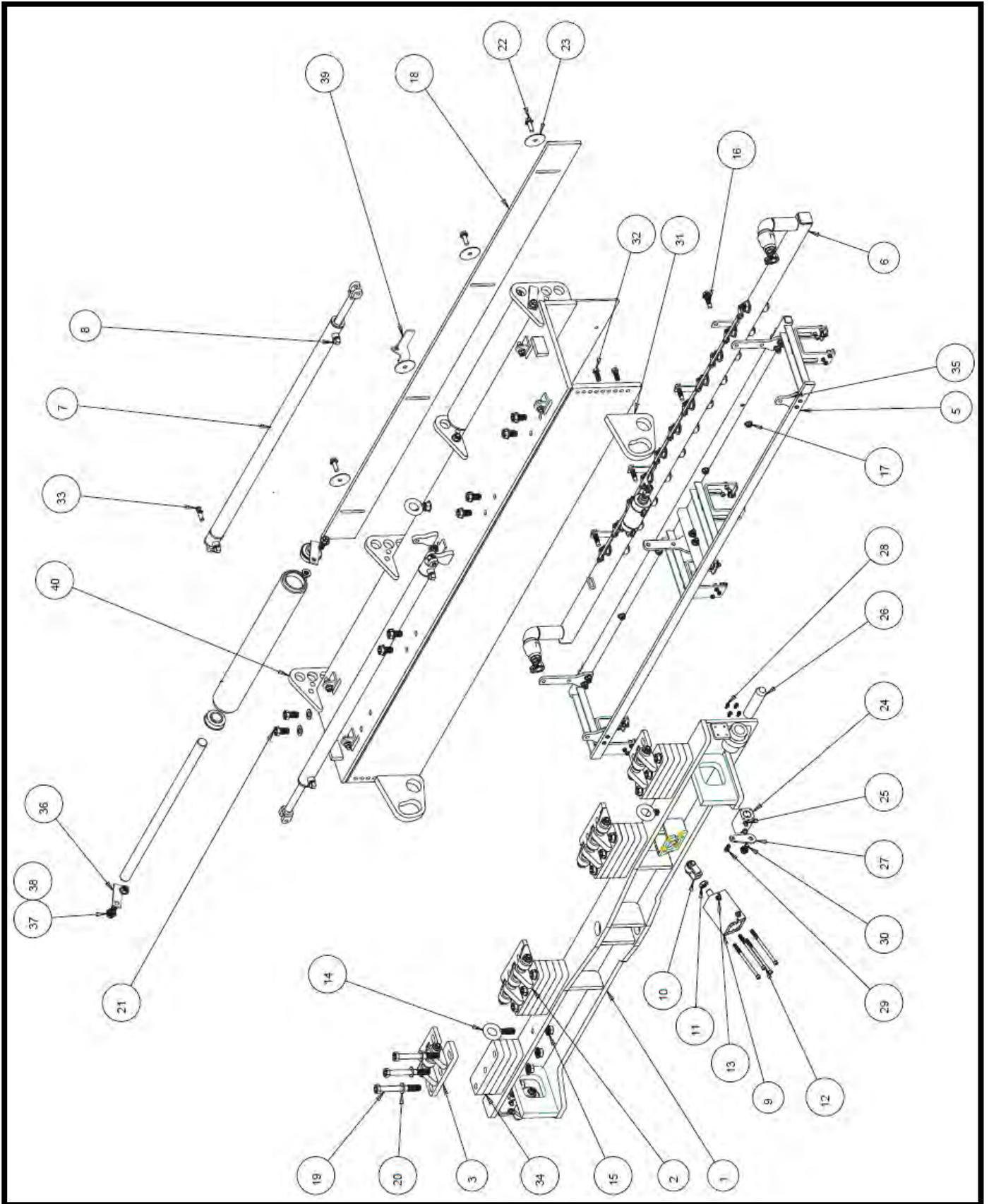
Note: Item 1 replaces the existing HHCS. The nuts used are the existing nuts.

Spray Bar Group, Volvo – IDX23550



ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23548	1	ASSY, BUMPER SLIDE BAR
2	IDX23622	1	ASSY, SLIDE BAR, LH
3	IDX23624	1	ASSY, SLIDE BAR, RH
4	IDX23542	1	ASSY, SPRAYBAR ARM, LEFT
5	IDX23543	1	ASSY, SPRAYBAR ARM, RIGHT
6	IDX23452	35	SPRAY NOZZLE-VJ,1/4
7	IDX20725	2	ASSY, CYLINDER STOP
8	IDX23560	1	WLDT, BUMPER MNT
9	IDX23545	1	PIN, 2"
10	IDX23120	1	HHFCS 1/2-13 X 1

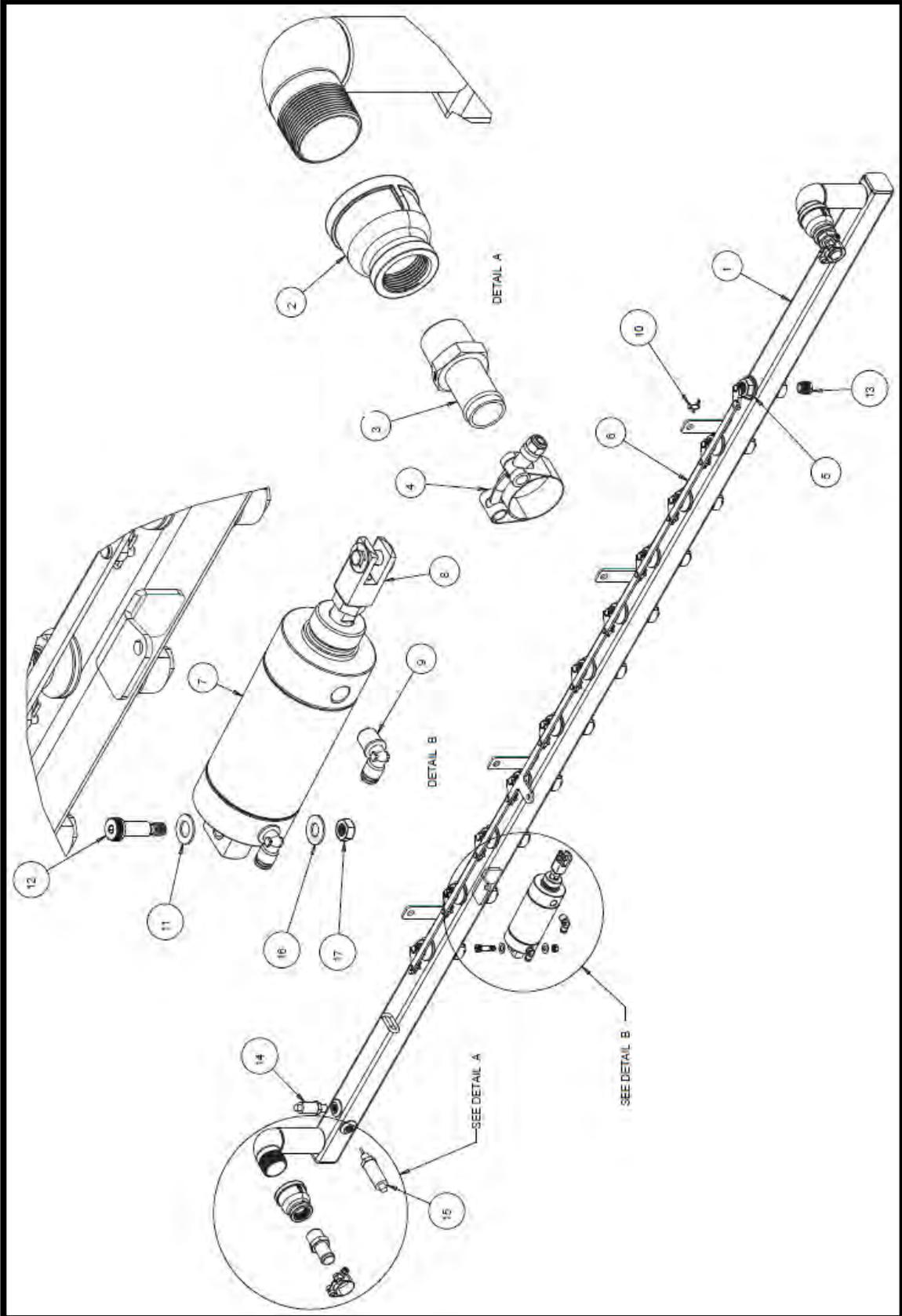
Front Spray Bar Housing, Volvo – IDX23548



Front Spray Bar Housing, Volvo – IDX23548

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23064	1	WLDT, SPRAY BAR REAR
2	IDX23364	2	ASSY, TILT HINGE, 3 TAB
3	IDX23365	2	ASSY, TILT HINGE, 1 TAB
4	IDX23019	1	WLDT, BUMPER SLIDE BAR
5	IDX23052	1	ASSY, SPRAYBAR FRAME
6	IDX23620	1	ASSY, FIXED SPRAY BAR
7	IDX10065	2	CYLINDER, SPRAY BAR
	IDX23650	2	CYLINDER, WITH POSITION SENSOR (OPTIONAL)
	IDX20687	1	HARNESS, FOR CYL W/ POSITION SENSOR (OPTION WITH ABOVE)
8	IDX10658	4	ADAPTER, 6MB-6MJ90
9	IDX23209	1	HYD CYLINDER, TILT
10	IDX10843	1	ASM, ROLLER
11	IDX23198	1	HEX NUT, THIN, 3/4-16
12	IDX23208	4	SHCS, 3/8-16 X 6
13	IDX10685	2	HYD FITTING, -4MB X -4SAE STR
14	IDX10681	3	EYEBOLT, 1 1/2" EYE X 3/4"
15	IDX23220	15	NUT, HEX, FLG, 3/4-10, GR8, ZP
16	IDX23126	4	HHFCS 1/2-13 X 2, SERR, ZP
17	IDX10191	9	SERR FLG HEX NUT 1/2"-13
18	IDX23139	1	RUBBER FLAP, FRONT
19	IDX23225	12	HHCS, 3/4-10 X 6.5, GR8
20	IDX10474	20	WASHER, FLAT 3/4" SCREW
21	IDX23366	8	HHCS, 3/4-10 X 1.5, GR8
22	IDX23082	9	HHFCS, 1/2-13 X 1.5, SERR, ZP
23	IDX23218	4	WASHER, 1/2 ID 3 OD
24	IDX23200	2	HYD CYLINDER, LATCH
25	IDX23204	4	HYD FITTING, -2MB X -4SAE STR
26	IDX23191	2	PIN, LATCH
27	IDX23193	2	BAR, LATCH LINK
28	IDX23202	8	HHFCS, 10-32 X 5/8, ZP
29	IDX23203	2	HHCS, 3/8-24 X 7/8, ZP
30	IDX23120	2	HHFCS 1/2-13 X 1
31	IDX23188	2	PLATE, LATCH STRIKE
32	IDX23197	4	HHCS, 1/2-13 X 1.5, GR 9
33	IDX10517	2	CLEVIS PIN, 1/2" DIA
34	IDX23187	16	PLATE, SPACER, BOLT PAD
35	IDX23549	2	PLATE
36	IDX23413	4	BAR
37	IDX23123	4	HHFCS, 5/8-11 X 1 3/4, ZP
38	IDX23547	4	NUT, HEX , 5/8-11, FLG
39	IDX23497	1	SHEET, FORMED, HANDLE
40	IDX23070	4	PLATE, PUSH ROLLER BKT

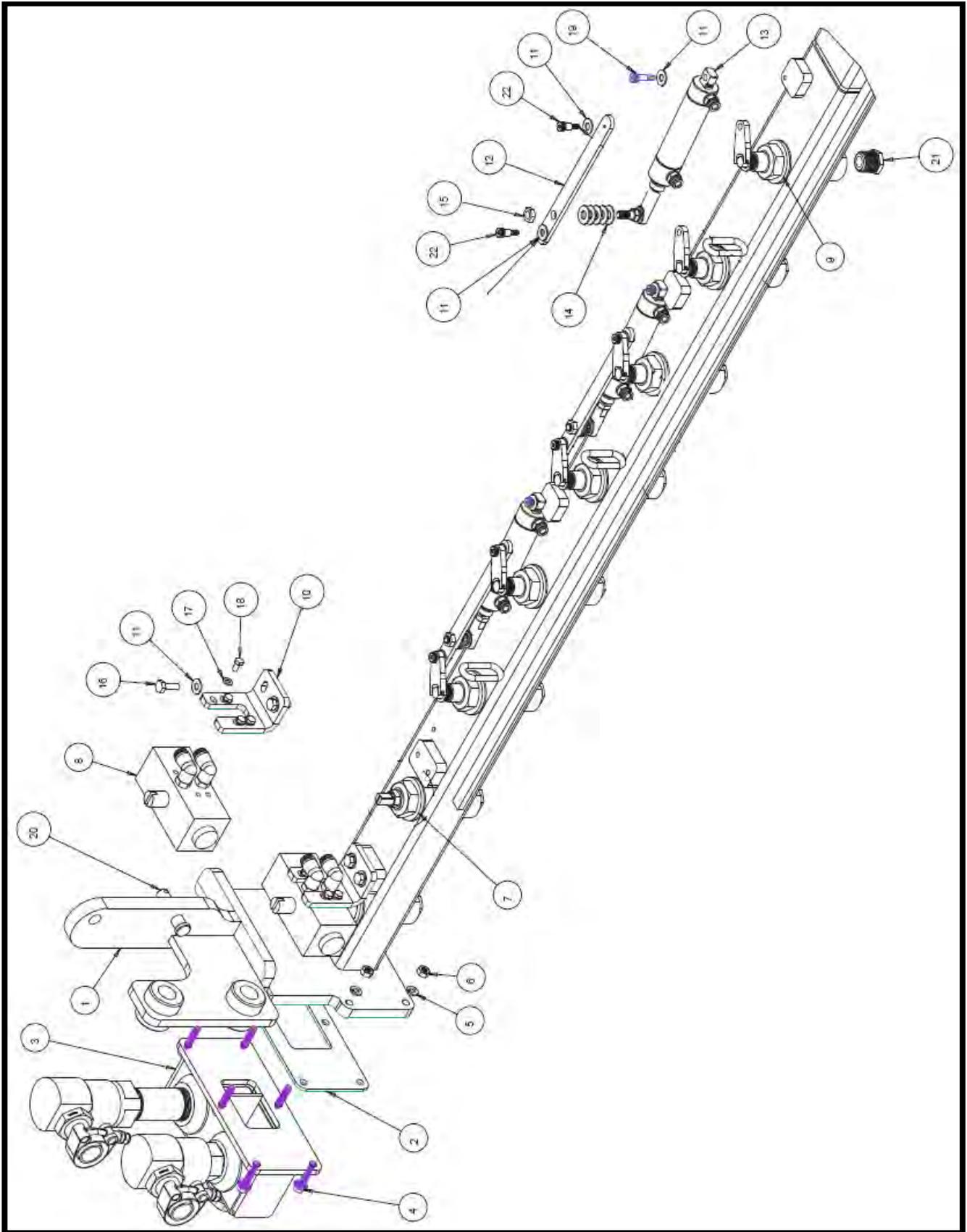
Center Spray Bar, 6" Spacing – IDX23620



Center Spray Bar, 6" Spacing – IDX23620

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23621	1	WLDT, FIXED SPRAY BAR, 6" SPACING
2	IDX10509	2	COUPLING, 24FP-16FP
3	IDX11177	2	HOSE BARB, 1" X 1" MP
4	IDX11179	2	HOSE CLAMP, TBAR, 1.5"
5	IDX23081	11	ASSY, VALVE, SHORT, SPRAYBAR
6	IDX23627	1	SHEET
7	IDX23012	1	CYLINDER, PNEU
8	IDX23356	1	CLEVIS, ROD END
9	IDX23136	2	ELBOW, 1/4 NPT, 1/4 PUSH
10	IDX23137	11	CLEVIS PIN
11	IDX23177	1	WASHER, 3/8"
12	IDX23179	1	SHOULDER BOLT, 3/8" D
13	IDX23131	11	ADAPTER, 1/2 NPT TO 1/4 NPT
14	IDX20771	1	SENSOR, PRS, -15-95
15	IDX20772	1	SENSOR, TEMP, 40-200
16	IDX23108	1	FLAT WASHER, 5/16
17	IDX23266	1	LOCK NUT 5/16-18 THIN

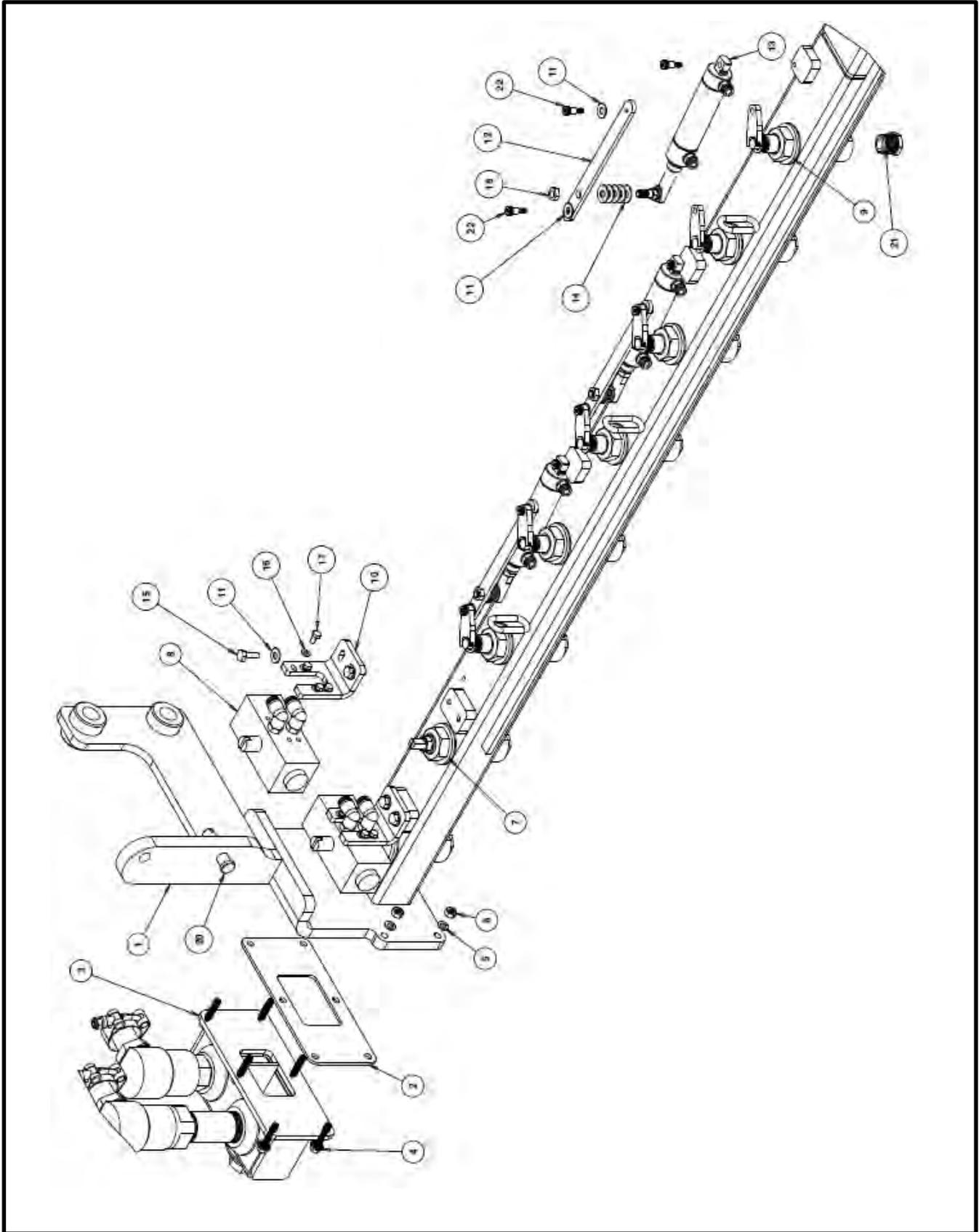
Telescoping Spray Bar, 6" Spacing, Left – IDX23622



Telescoping Spray Bar, 6" Spacing, Left – IDX23622

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23623	1	WLDT, SLIDE BAR LH
2	IDX23045	1	GASKET, END CAP
3	IDX23237	1	ASSY, END CAP
4	IDX23044	6	HHFCS 1/4-20 X 1 1/4 LG, GR8
5	IDX23358	6	LOCK WASHER, 1/4
6	IDX23357	6	NUT, HEX, 1/4-20
7	IDX23075	2	ASSY, VALVE, OUTER, SPRAYBAR
8	IDX23116	2	ASSY, ROTARY ACTUATOR
9	IDX23079	6	ASSY, VALVE, LONG, SPRAYBAR
10	IDX23100	2	PLATE, FORMED
11	IDX23112	13	WASHER, 1/4
12	IDX23628	3	PLATE
13	IDX23107	3	ASSY, CYL, PNEU
14	IDX23108	15	FLAT WASHER, 5/16
15	IDX23106	3	HEX NUT, THIN, 5/16-24
16	IDX23103	4	HHCS, 1/4-20 X 3/4 LONG, ZP
17	IDX23114	8	WASHER, M5
18	IDX23115	8	HHCS, M5X0.8X10 MM L, ZP
19	IDX23498	3	SHLDR BOLT, 1/4D X 1/2L, 10-24
20	IDX10517	1	CLEVIS PIN, 1/2" DIA
21	IDX23131	8	ADAPTER, 1/2 NPT TO 1/4 NPT
22	IDX23084	6	SHOULDER BOLT, 1/4" D, 10-24

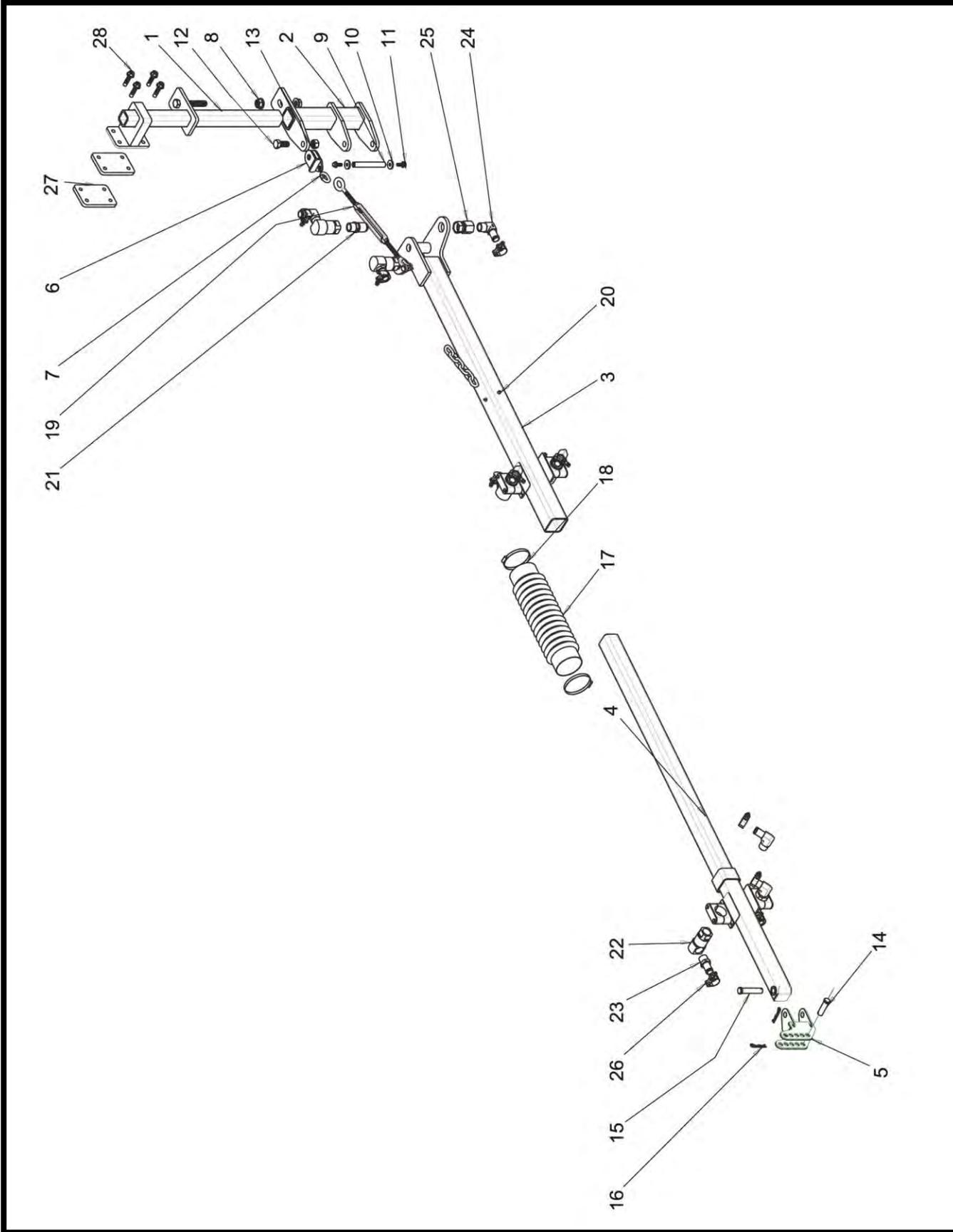
Telescoping Spray Bar, 6" Spacing, Right – IDX23624



Telescoping Spray Bar, 6" Spacing, Right – IDX23624

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23625	1	Slide bar 6" spacing, RH
2	IDX23045	1	Gasket, end cap
3	IDX23043	1	End cap assembly
4	IDX23044	6	HHFCS 1/4-20 x 1 1/4 lg, GR 8
5	IDX23358	6	Lock washer, 1/4
6	IDX23357	6	Nut, hex, ¼-20
7	IDX23075	2	Valve, outer, spray bar assembly
8	IDX23116	2	Rotary actuator assembly
9	IDX23079	6	Valve, long, spray bar assembly
10	IDX23100	2	Plate, formed
11	IDX23112	13	Washer, ¼
12	IDX23628	3	Plate
13	IDX23107	3	Cylinder, pneumatic assembly
14	IDX23108	15	Flat washer, 5/16
15	IDX23103	4	HHCS, 1/4-20 X ¾ long, ZP
16	IDX23114	8	Washer, M5
17	IDX23115	8	HHCS, M5 x 0.8 x 10 MM L, ZP
18	IDX23106	3	Hex nut, thin, 5/16-24
19	IDX23498	3	Shoulder bolt, ¼" D x ½"L, 10-24
20	IDX10517	1	Clevis pin, ½" diameter
21	IDX23131	8	Adapter, ½ NPT to ¼ NPT
22	IDX23084	6	Shoulder bolt, 1/4" D, 10-24

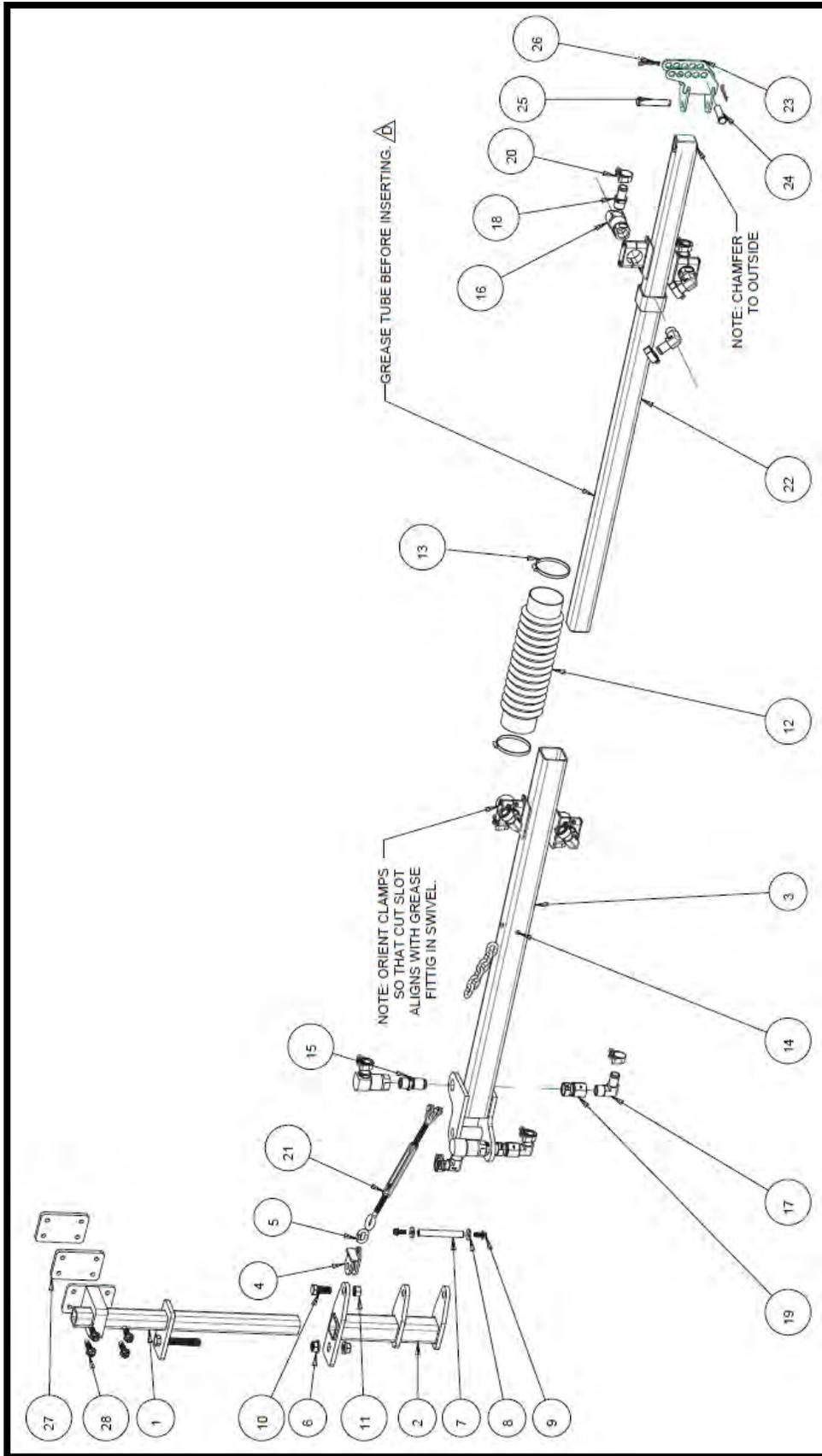
Swing Arm, Cat, Left – IDX23242



Swing Arm, Cat, Left – IDX23242

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX10372	1	Bar mount, LH
2	IDX10692	1	Tube pivot
3	IDX10716	1	Pivot arm inner, LH
4	IDX10980	1	Pivot arm outer, LH
5	IDX23250	1	L pivot, arm
6	IDX10712	1	Pivot turnbuckle
7	IDX10258	1	Chain link, threaded
8	IDX10709	2	Hex nut serrated flange lk 3/3-10
9	IDX10720	1	Pin, spray bar
10	IDX10684	2	Plate, pin
11	IDX10195	2	FHHCS serrated 3/8-16 x 1" long ZN
12	IDX10721	1	HHCS, 3/4-10 x 1 3/4 GR 8 ZP
13	IDX10718	1	Hex nut, 3/4-10 CTRLK ZP
14	IDX10989	1	Pin, 3/4 X 2 1/4" lg ZP
15	IDX10990	1	Pin, 3/4 X 3 1/2" lg ZP
16	IDX10991	2	Cotter pin, 1/8" x 2" ZP
17	IDX11067	1	Rubber bellows, 4 x 4 x 21 Nitrile
18	IDX11066	2	Hose clamp 4"smooth
19	IDX10711	1	Turnbuckle
20	IDX10674	3	Grease zerk, 1/8 x 9/16 H str
21	IDX11175	2	Adapter, 16MP-16MJ BKHD
22	IDX23238	6	Swivel, 1" FP X 1" FP 90
23	IDX11177	5	Hose barb, 1" X 1" MP
24	IDX11178	7	Hose barb, 1" X 1" MP90
25	IDX11176	2	Adapter, 16FJX-16FP
26	IDX11179	12	Hose clamp, T-bar, 1.5"
27	IDX23378	2	Plate, spacer
28	IDX11774	4	HHFCS 1/2-13 X 2 lg serrated ZP

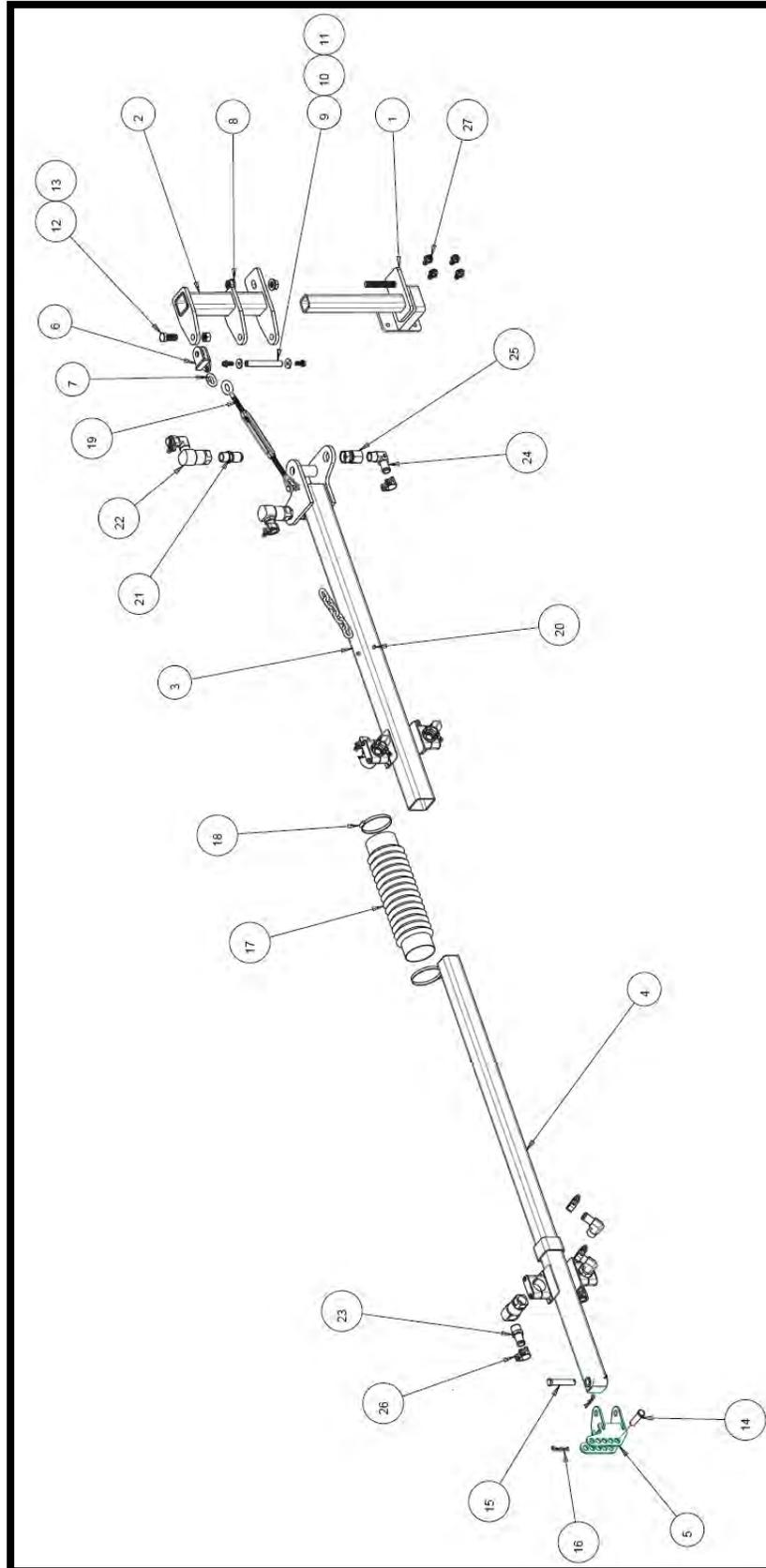
Swing Arm, Cat, Right – IDX23243



Swing Arm, Cat, Right – IDX23243

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX10734	1	Bar mount, RH
2	IDX10692	1	Tube pivot
3	IDX10697	1	Pivot arm inner, RH
4	IDX10712	1	Pivot turnbuckle
5	IDX10258	1	Chain link, threaded
6	IDX10709	2	Hex nut serrated flange lk 3/3-10
7	IDX10720	1	Pin, spray bar
8	IDX10684	2	Plate, pin
9	IDX10195	2	FHHCS serrated 3/8-16 x 1" long ZN
10	IDX10721	1	HHCS, 3/4-10 x 1 3/4 GR 8 ZP
11	IDX10718	1	Hex nut, 3/4-10 CTRLK ZP
12	IDX11067	1	Rubber bellows, 4 x 4 x 21 Nitrile
13	IDX11066	2	Hose clamp, 4"smooth
14	IDX10674	3	Grease zerk, 1/8 x 9/16 H str
15	IDX11175	2	Adapter, 16MP-16MJ BKHD
16	IDX23238	6	Swivel, 1" FP X 1" FP 90
17	IDX11178	7	Hose barb, 1" X 1" MP90
18	IDX11177	5	Hose barb, 1" X 1" MP
19	IDX11176	2	Adapter, 16FJX-16FP
20	IDX11179	12	Hose clamp, T-bar, 1.5"
21	IDX10711	1	Turnbuckle
22	IDX10706	1	Pivot arm outer, RH
23	IDX23251	1	Pivot arm, R
24	IDX10989	1	Pin, 3/4 X 2 1/4" lg ZP
25	IDX10990	1	Pin, 3/4 X 3 1/2" lg ZP
26	IDX10991	2	Cotter pin, 1/8" x 2" ZP
27	IDX23378	2	Plate, spacer
28	IDX11774	4	HHFCS 1/2-13 X 2 lg serrated ZP

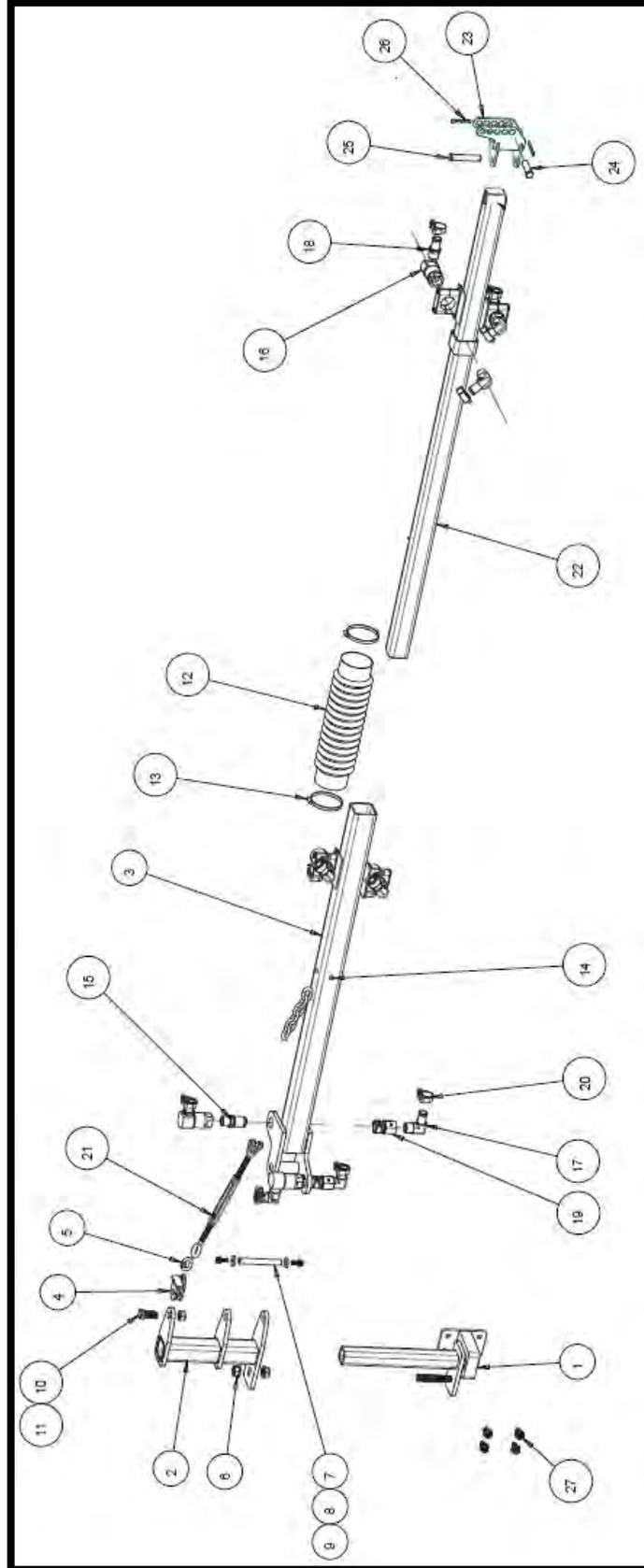
Swing Arm, Volvo, Left – IDX23542



Swing Arm, Volvo, Left – IDX23542

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23557	1	WLDT, BAR MNT LH
2	IDX23554	1	WMT, TUBE PIVOT
3	IDX10716	1	WMT, PIVOT ARM INNER, LH
4	IDX10980	1	WMT, PIVOT ARM OUTER, LH
5	IDX23250	1	WLDT, L PIVOT, ARM
6	IDX10712	1	WMT, PIVOT TURNBUCKLE
7	IDX10258	1	CHAIN LINK, THREADED
8	IDX10709	2	HEX NUT SERR FLG LK 3/4-10
9	IDX10720	1	PIN, SPRAYBAR
10	IDX10684	2	PLATE, PIN
11	IDX10195	2	FHHCS SERR 3/8-16 X 1" LG ZN
12	IDX10721	1	HHCS, 3/4-10 X 1 3/4 GR 8 ZP
13	IDX10718	1	HEX NUT, 3/4-10 CTRLK ZP
14	IDX10989	1	PIN, 3/4 X 2 1/4" LG ZP
15	IDX10990	1	PIN, 3/4 X 3 1/2" LG ZP
16	IDX10991	2	COTTER PIN, 1/8" X 2" ZP
17	IDX11067	1	RUB. BELLOWS, 4X4X21 NITRILE
18	IDX11066	2	HOSE, CLAMP 4" SMOOTH
19	IDX10711	1	TURNBUCKLE
20	IDX10674	3	GREASE ZERK, 1/8 X 9/16 H STR
21	IDX11175	2	ADAPTER, 16MP-16MJ BKHD
22	IDX23238	6	SWIVEL, 1" FP X 1" FP 90
23	IDX11177	5	HOSE BARB, 1" X 1" MP
24	IDX11178	7	HOSE BARB, 1" X 1" MP90
25	IDX11176	2	ADAPTER, 16FJX-16FP
26	IDX11179	12	HOSE CLAMP, TBAR, 1.5"
27	IDX11768	4	HHCS, 1/2-13 1 LG, SERR, ZP

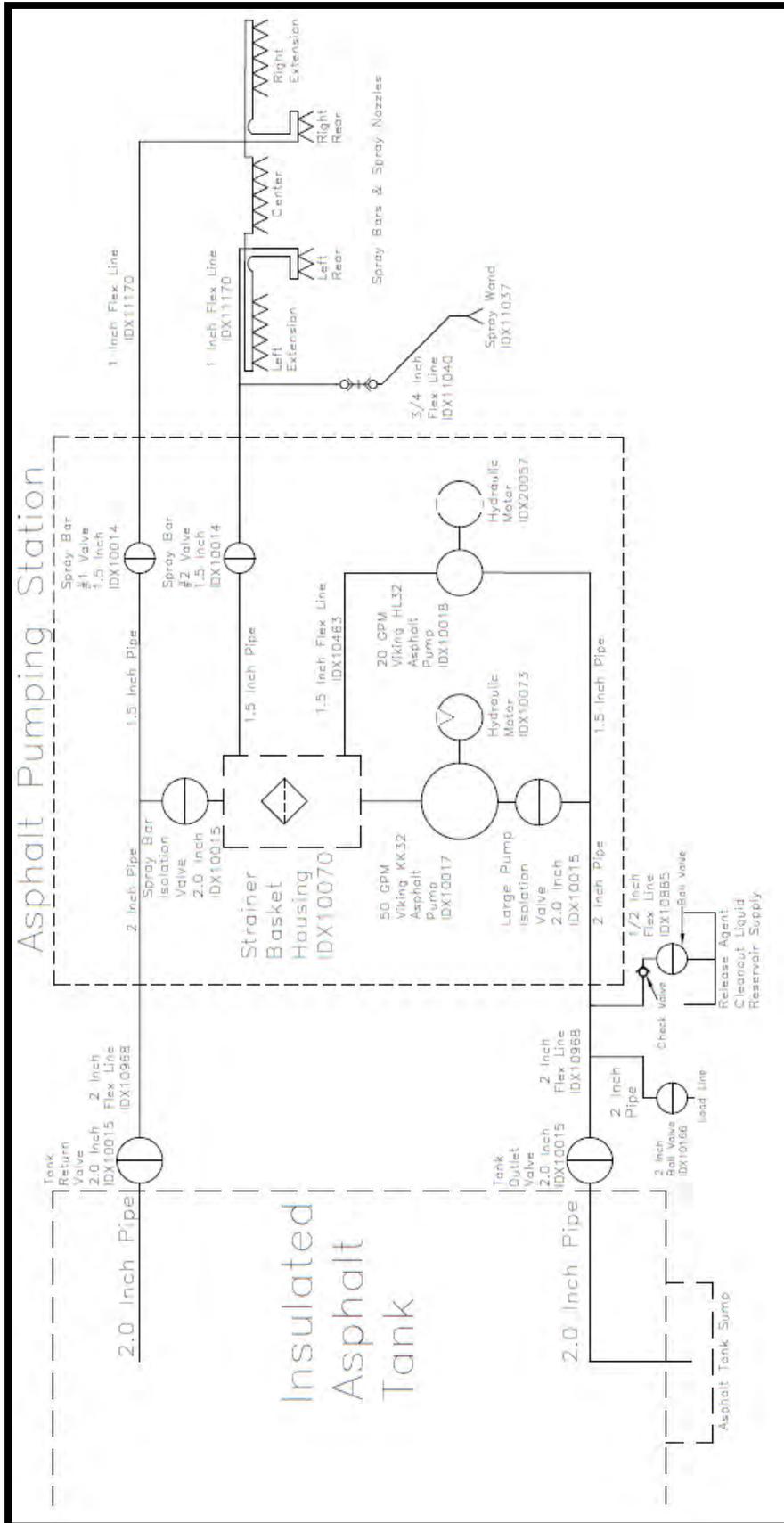
Swing Arm, Volvo, Right – IDX23543



Swing Arm, Volvo, Right – IDX23543

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23558	1	WLDT, BAR MNT RH
2	IDX23554	1	WMT, TUBE PIVOT
3	IDX10697	1	WMT, PIVOT ARM INNER, RH
4	IDX10712	1	WMT, PIVOT TURNBUCKLE
5	IDX10258	1	CHAIN LINK, THREADED
6	IDX10709	2	HEX NUT SERR FLG LK 3/4-10
7	IDX10720	1	PIN, SPRAYBAR
8	IDX10684	2	PLATE, PIN
9	IDX10195	2	FHHCS SERR 3/8-16 X 1" LG ZN
10	IDX10721	1	HHCS, 3/4-10 X 1 3/4 GR 8 ZP
11	IDX10718	1	HEX NUT, 3/4-10 CTRLK ZP
12	IDX11067	1	RUB. BELLOWS, 4X4X21 NITRILE
13	IDX11066	2	HOSE, CLAMP 4" SMOOTH
14	IDX10674	3	GREASE ZERK, 1/8 X 9/16 H STR
15	IDX11175	2	ADAPTER, 16MP-16MJ BKHD
16	IDX23238	6	SWIVEL, 1" FP X 1" FP 90
17	IDX11178	7	HOSE BARB, 1" X 1" MP90
18	IDX11177	5	HOSE BARB, 1" X 1" MP
19	IDX11176	2	ADAPTER, 16FJX-16FP
20	IDX11179	12	HOSE CLAMP, TBAR, 1.5"
21	IDX10711	1	TURNBUCKLE
22	IDX10706	1	WMT, PIVOT ARM OUTER, RH
23	IDX23251	1	WLDT, R PIVOT, ARM
24	IDX10989	1	PIN, 3/4 X 2 1/4" LG ZP
25	IDX10990	1	PIN, 3/4 X 3 1/2" LG ZP
26	IDX10991	2	COTTER PIN, 1/8" X 2" ZP
27	IDX11768	4	HHCS, 1/2-13 1 LG, SERR, ZP

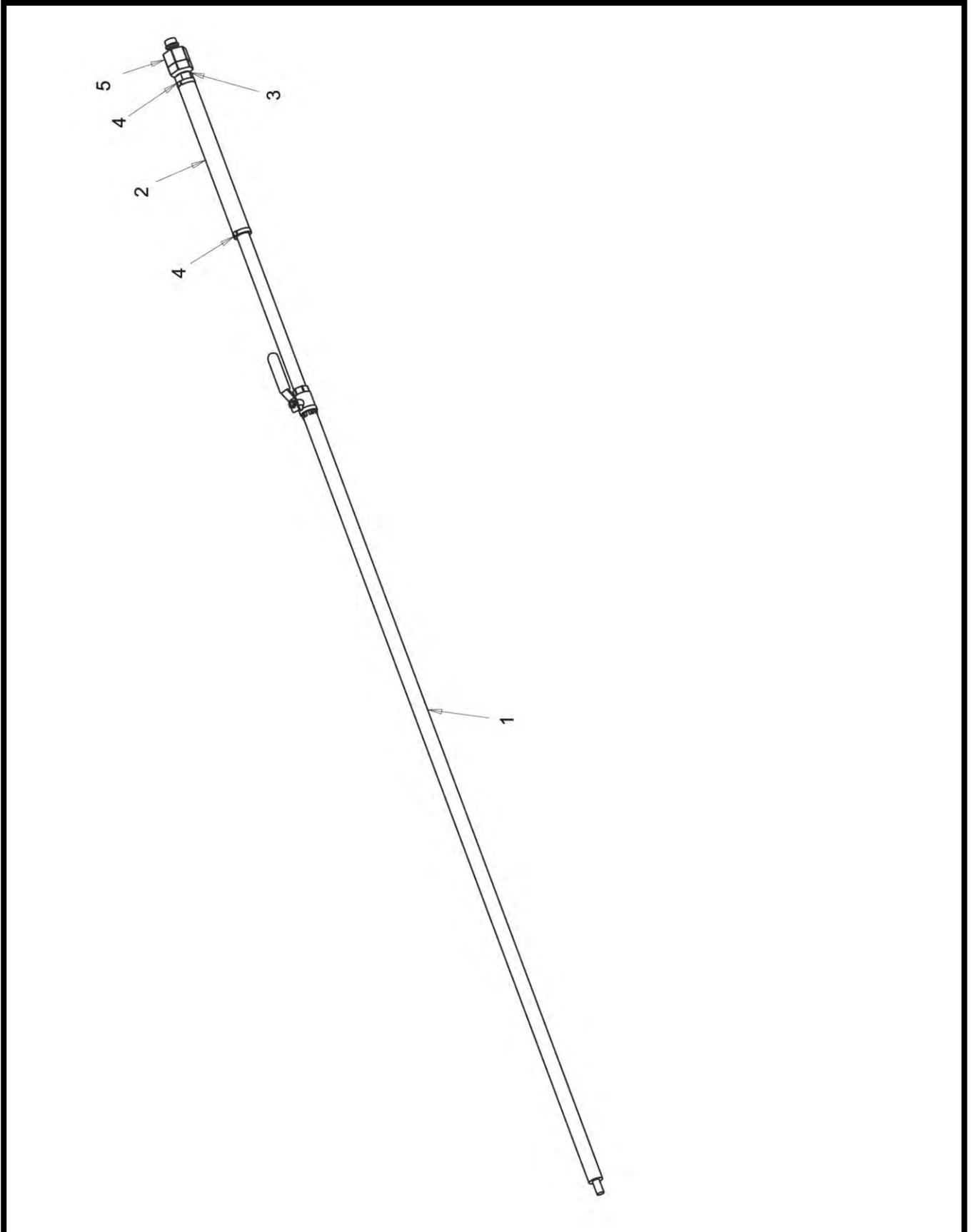
Emulsion Hoses



Emulsion Hoses

PART NO.	DESCRIPTION
IDX11170	Hose, 1" suction, 16 GMV
IDX10968	Hose, 2" suction, 32 GMV
IDX10146	Pipe T, 2"
IDX10967	Elbow, 2" NPT x 2" NPTF blk
IDX21258	Hose barb, beaded 2" ID x 2" NPT
IDX10972	Hose clamp, T bolt 2 5/16-2 5/8
IDX10868	Tubing, 1/4" OD natural
IDX10866	Tubing, 1/4" OD blk
IDX20026	Tubing, 1/4" OD Pneumatic red
IDX20027	Tubing, 1/4" OD Pneumatic green
IDX20028	Tubing, 1/4" OD Pneumatic yellow
IDX20031	Tubing spiral wrap
IDX23416	Plug, 1/4" push in
IDX20253	Hose sleeve, nylon HG-32

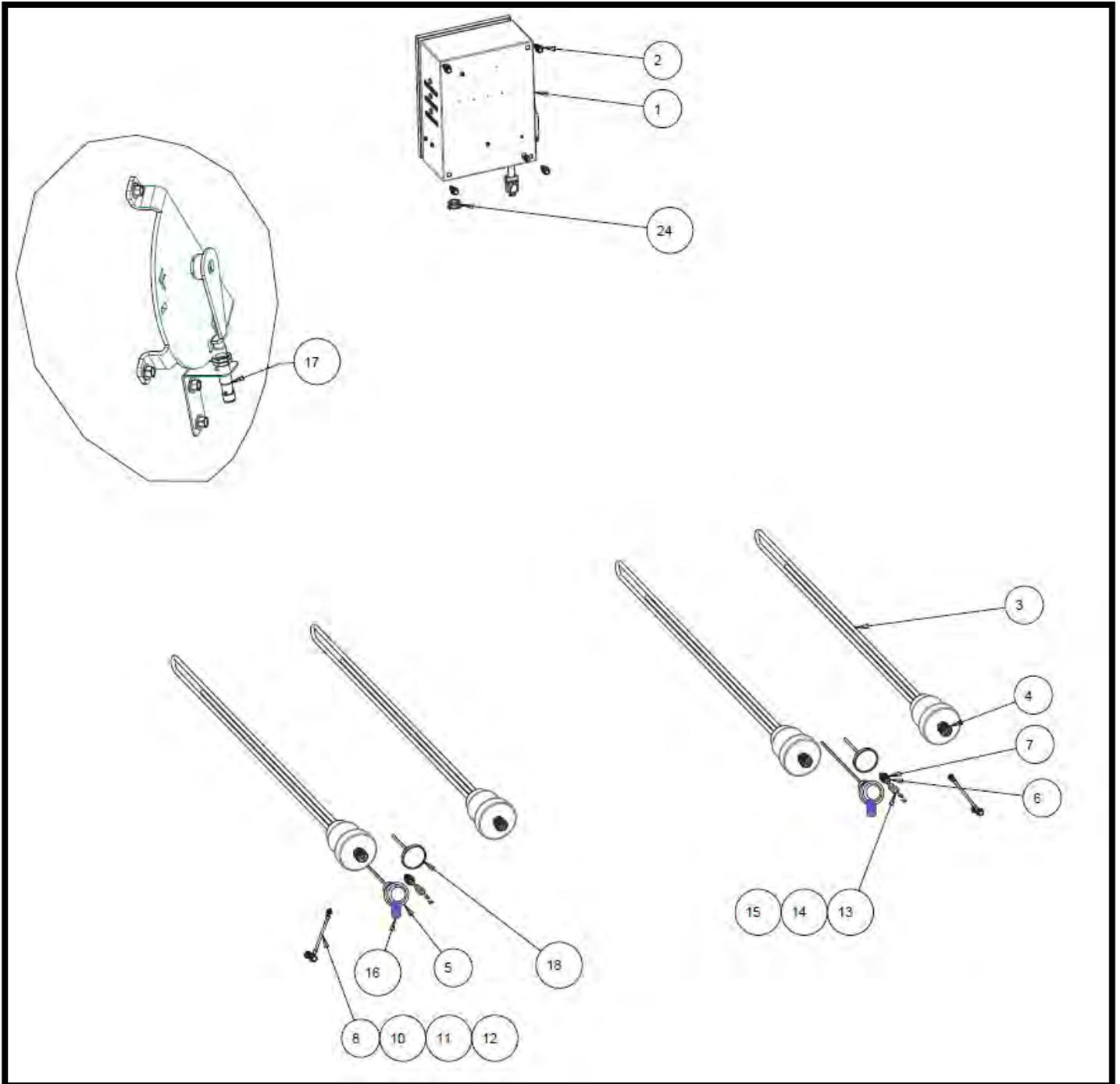
Spray Wand – IDX11039



Spray Wand – IDX11039

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX11037	1	Emulsion spray wand
2	IDX11040	30 FT	Hose, -12 GMV
3	IDX23332	2	Hose barb, beaded NPT x 3/4" hose
4	IDX21260	2	Double bolt clamp
5	IDX10164	1	3/4 NPT quick coupler, male

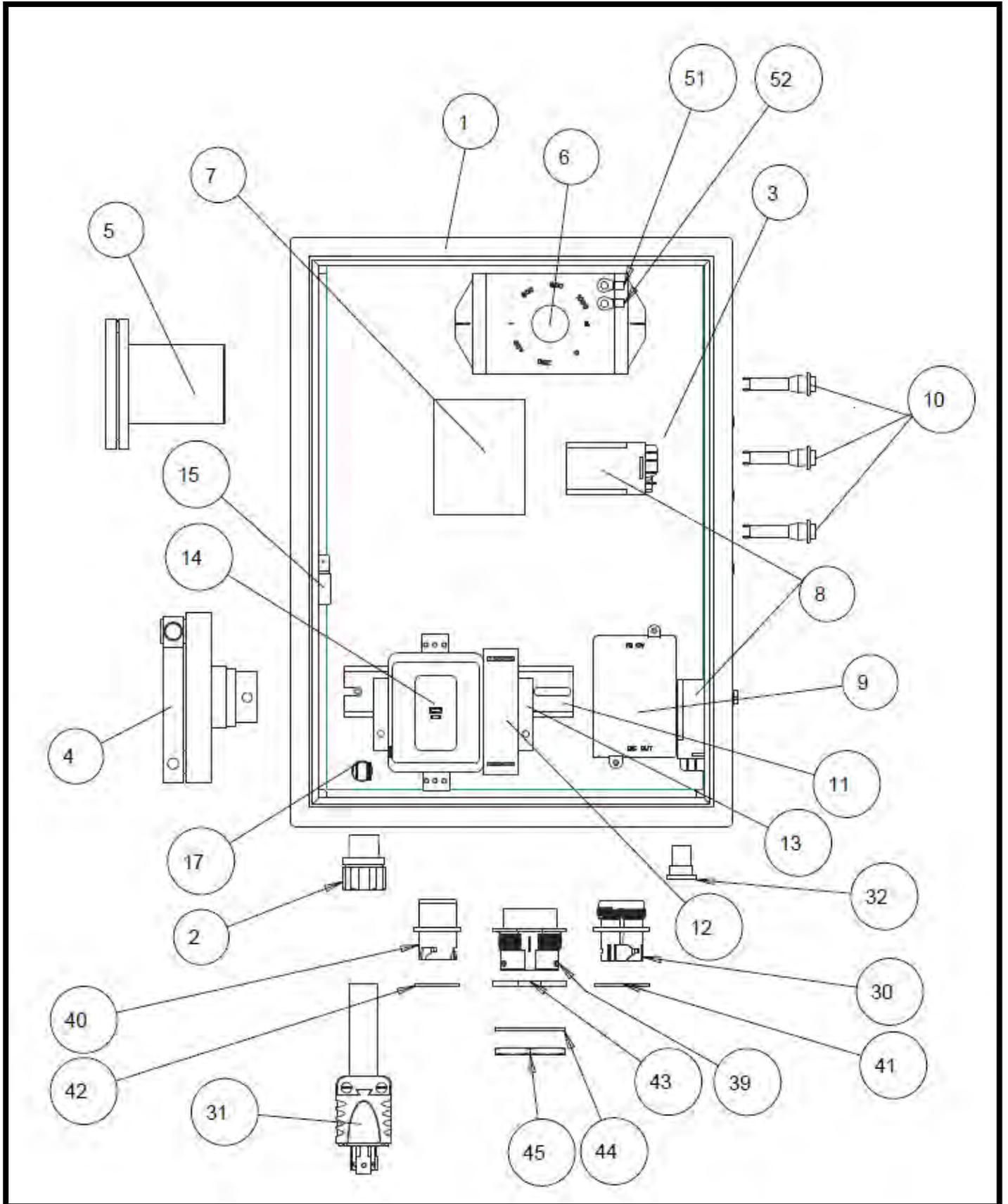
Tank Heating System – IDX21001



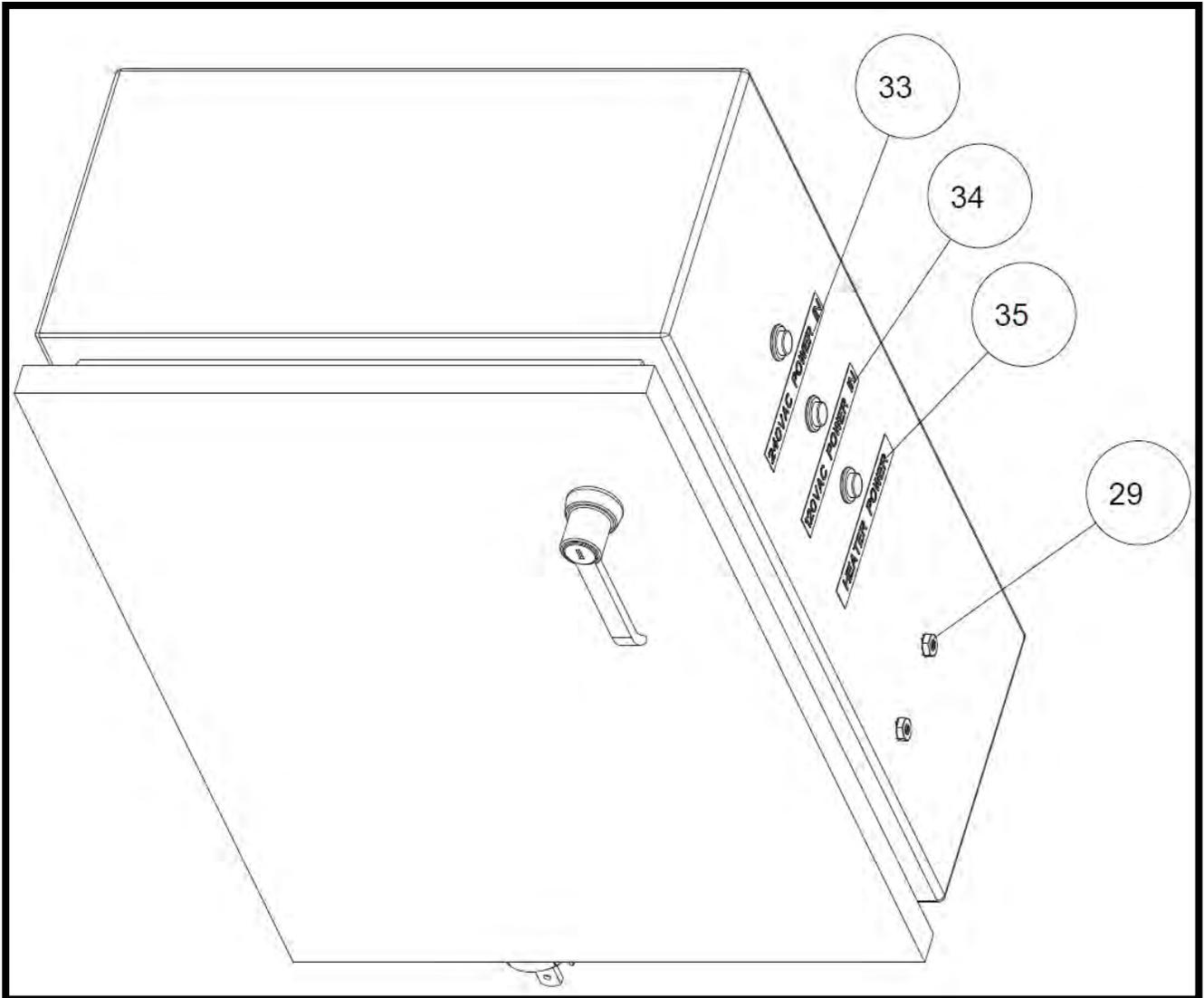
Tank Heating System – IDX21001

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21004	2	ASSY HEATER ENCLOSURE
2	IDX10195	8	FHHCS SERR 3/8-16 X 1" LG ZN
3	IDX10767	4	HEATING ELEMENT, W/O TSTAT
4	IDX10803	4	CORD CONNECTOR, .63-.75 CORD
5	IDX21016	2	THERMOCOUPLE J-TYPE 12 IN
6	IDX21314	2	TEMPERATURE SWITCH, 200°
7	IDX23131	2	ADAPTER, 1/2 NPT TO 1/4 NPT
8	IDX20484	2	GROUNDING CABLE 6 AWG STRND
9	IDX20485	4	TERM RING, 6 AWG 3/8 NON-INSUL
10	IDX10814	4	STAR WASHER, INSIDE TEETH
11	IDX10186	2	HHCS FLG 3/8"-16 X 1 1/4 LG ZN
12	IDX10187	2	SERR FLG HEX NUT 3/8-16
13	IDX20627	2	CNCTR RECPT, 2 POS
14	IDX10235	4	CONTACT PIN, SIZE 16
15	IDX20643	2	WEDGELOCK, W2P
16	IDX21015	2	CORD GRIP 1/2 IN NPT
17	IDX21030	2	PROX SWITCH INDUCT M12
18	IDX10620	2	THERMOMETER, PROBE, 6"
19	IDX20482	3	EXTENSION CORD, 25FT 12/3
20	IDX20601	2	HARNESS, TANK HEAT
21	IDX11046	14	P-CLAMP, 1"
22	IDX10192	14	FHHCS 1/4-20 1/2"LG
23	IDX20603	1	HARNESS, REAR SB HEAT
24	IDX10250	1	CAP, W/LANYARD

Tank Heating System Enclosure – IDX21004



Tank Heating System Enclosure



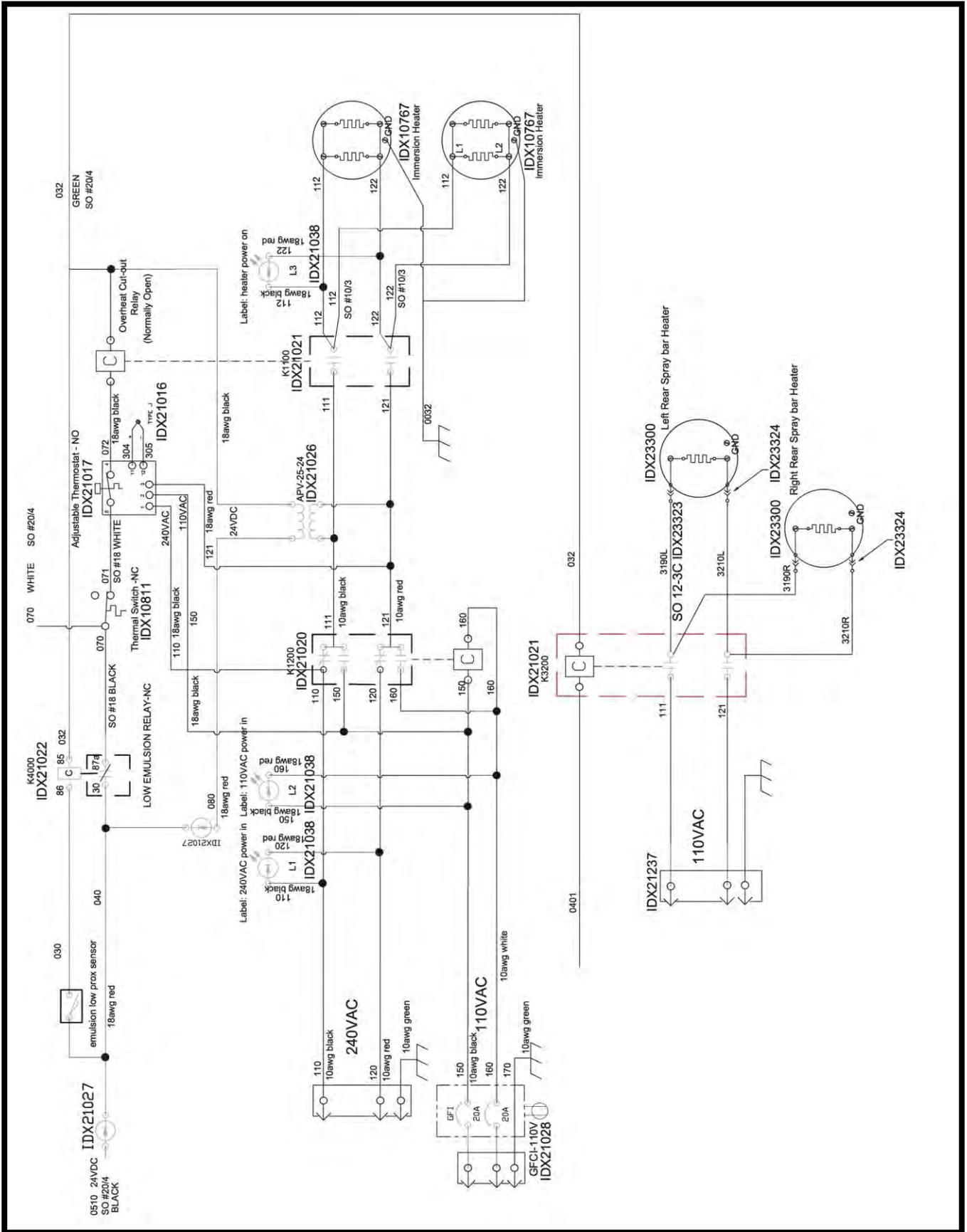
Tank Heating System Enclosure – IDX21004

Items with ‘*’ are not shown

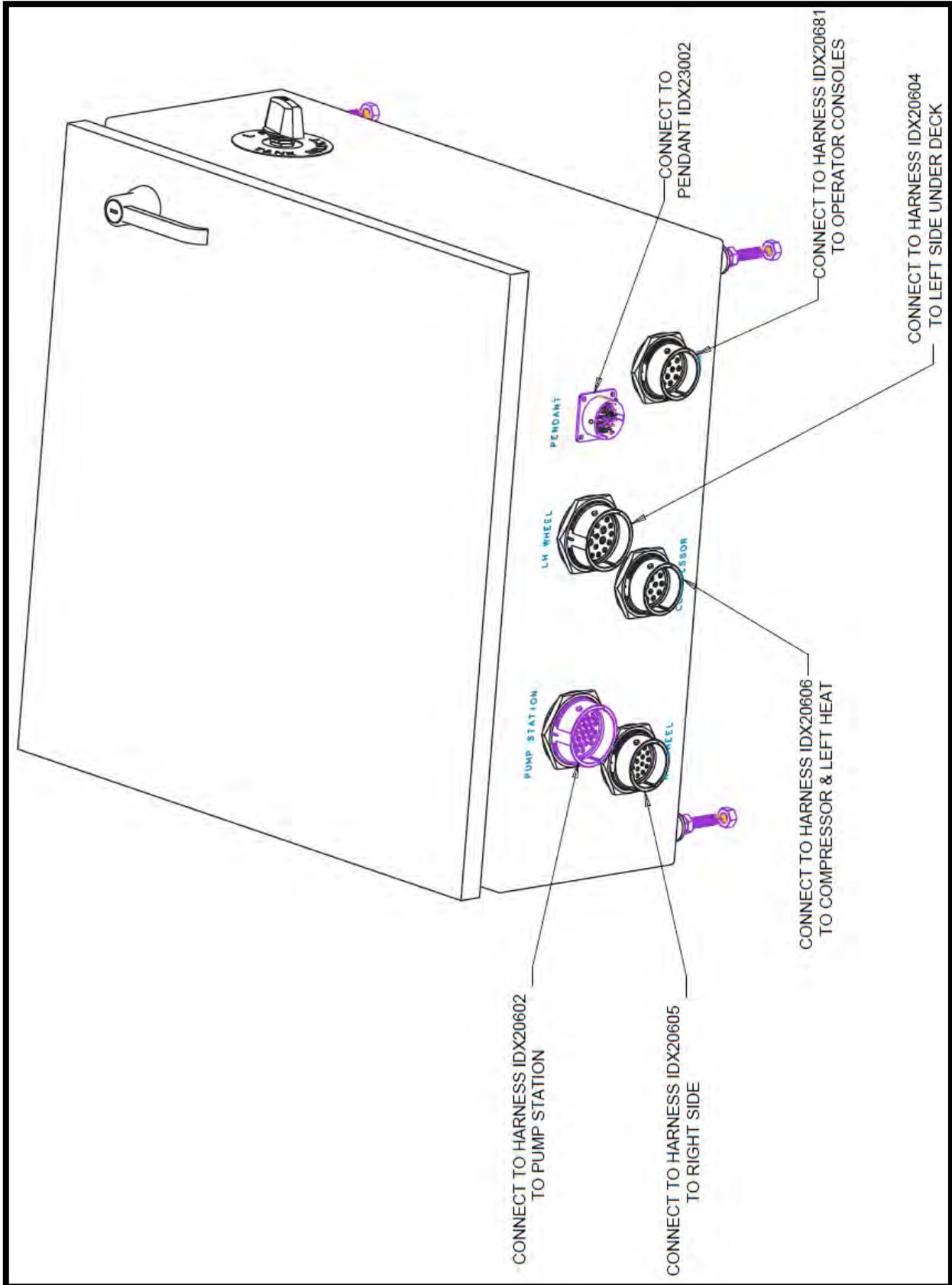
ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX21035	1	MOD ENCLOSURE MODIFIED
2	IDX23396	1	CORD GRIP, .38-.50 CORD
3	IDX21036	1	MOD BACK PANEL 14.2X10.2
4	IDX10808	1	POWER INLET 15A 125 VOLT
5	IDX21257	1	INLET, 50A 240VAC
6	IDX21017	1	THERMOSTAT EMULSION TANK
7	IDX21020	1	RELAY POWER DPDT 120 VAC CTRL 40A
8	IDX21021	2	RELAY POWER DPST-NO 24VDC 40A
9	IDX21026	1	AC/DC CNVRTR 24VDC OUT 25W
10	IDX21038	3	LED, GREEN
11	IDX21033	1	DIN RAIL 37MMX1M
12	IDX21027	1	DIODE INTERFACE MOD 4 DIN
13	IDX21034	2	END PLATE DIN RAIL
14	IDX21028	1	GFI CB 120 VAC 20A DIN
15	IDX21022	1	RELAY DPDT 24V 30A
16	IDX21037	1	HANDLE LOCKING 1/4 TURN
17	IDX10786	1	GROUND KIT
*18	IDX20661	50 FT	WIRE, 18 AWG GXL, BLK
*19	IDX20662	50 FT	WIRE, 18 AWG GXL, RED
*20	IDX20663	50 FT	WIRE, 18 AWG GXL, BLU
*21	IDX20664	50 FT	WIRE, 18 AWG GXL, BRN
*22	IDX21048	4	HEX NUT #8-32
*23	IDX21047	4	PHMS #8-32, 1/2 IN
*24	IDX20277	2	WASHER, #8 TOOTH LOCK
*25	IDX22041	4	HEX NUT #4-40
*26	IDX22040	4	PHMS #4-40, 1/2 IN
*27	IDX21043	6	PHMS #10-24, 1/2 IN
*28	IDX20078	10	WASHER, #10 TOOTH LOCK
*29	IDX20012	10	HEX NUT, #10-24
30	IDX10249	1	CNCTR RCPT, 6 POS BLKHD
31	IDX21237	1	CONNECTOR PLUG 110VAC 15A
32	IDX20629	1	CNCTR RCPT, THERMOCOUPLE BLKHD
33	IDX21280	1	DECAL, 240VAC PWR IN
34	IDX21281	1	DECAL, 120VAC PWR IN
35	IDX21282	1	DECAL, HEATER POWER
*36	IDX20665	50 FT	WIRE, 12 AWG GXL, BLK
*37	IDX20667	50 FT	WIRE, 12 AWG GXL, WHT
*38	IDX20668	50 FT	WIRE, 12 AWG GXL, GRN
39	IDX20619	1	CNCTR RCPT, 19 POS
40	IDX20623	1	CNCTR RCPT, 5 POS BLKHD
41	IDX20641	1	GASKET, FOR 6 POS BLKHD
42	IDX20640	1	GASKET, FOR 5 POS BLKHD

43	IDX20639	1	GASKET FOR HD SIZE 24 BLKHD
44	IDX20638	1	LK WSHR FOR HD SIZE 24 BLKHD
45	IDX20637	1	JAM NUT FOR HD SIZE 24 BLKHD
*46	IDX10266	11	SEAL PLUG, SIZE 12 & 16
*47	IDX10236	5	CONTACT SOCKET, 16
*48	IDX10235	4	CONTACT PIN, SIZE 16
*49	IDX10254	4	CONTACT PIN, SIZE 12
*50	IDX20671	2 FT	WIRE, THERMOCOUPLE, 20-2
51	IDX20669	1	SPADE, THERMOCOUPLE, IRON
52	IDX20670	1	SPADE, THERMOCOUPLE, CONSTANTAN
*53	IDX23631	1	LABELS FOR WIRE, BOX
*54	IDX10255	6	CONTACT SOCKET, SIZE 12
*55	IDX20648	20	TERM. RING, #10, 12-10 AWG, YLW
*56	IDX23637	5	RING TERM, 12-10 AWG, 1/4" STUD
*57	IDX23638	12	RING TERM, 22-18 AWG, #10 STUD
*58	IDX23639	2	RING TERM, 16-14 AWG, #10 STUD
*59	IDX23642	2	TERM, F DISCON .250", 16-14 AWG
*60	IDX23643	8	TERM, F DISCON .250", 22-18 AWG

Tank Heating System Electrical Schematic

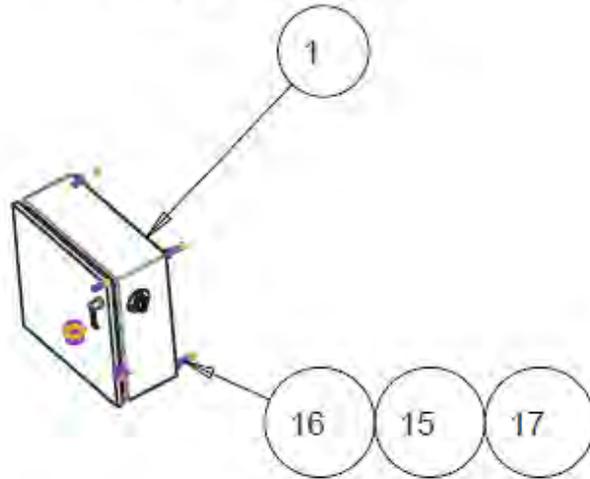


Controls System – IDX23001 (Cat), IDX20991 (Volvo)

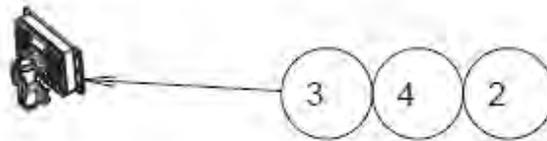


Controls System

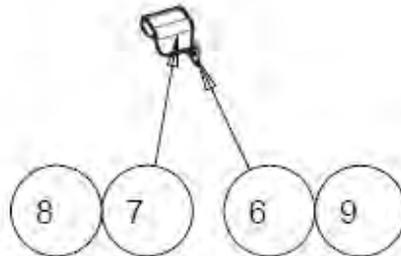
CONTROL BOX



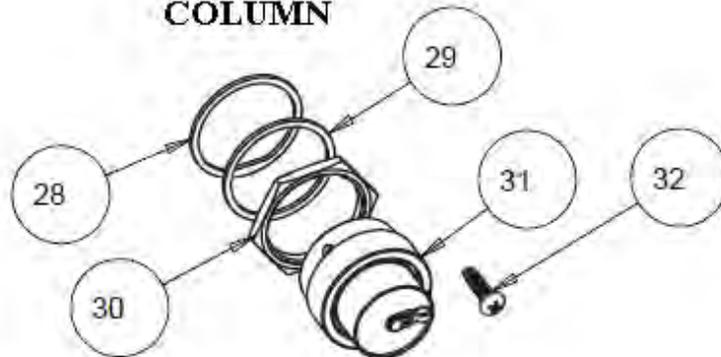
DISPLAY



CAMERAS



STEERING COLUMN

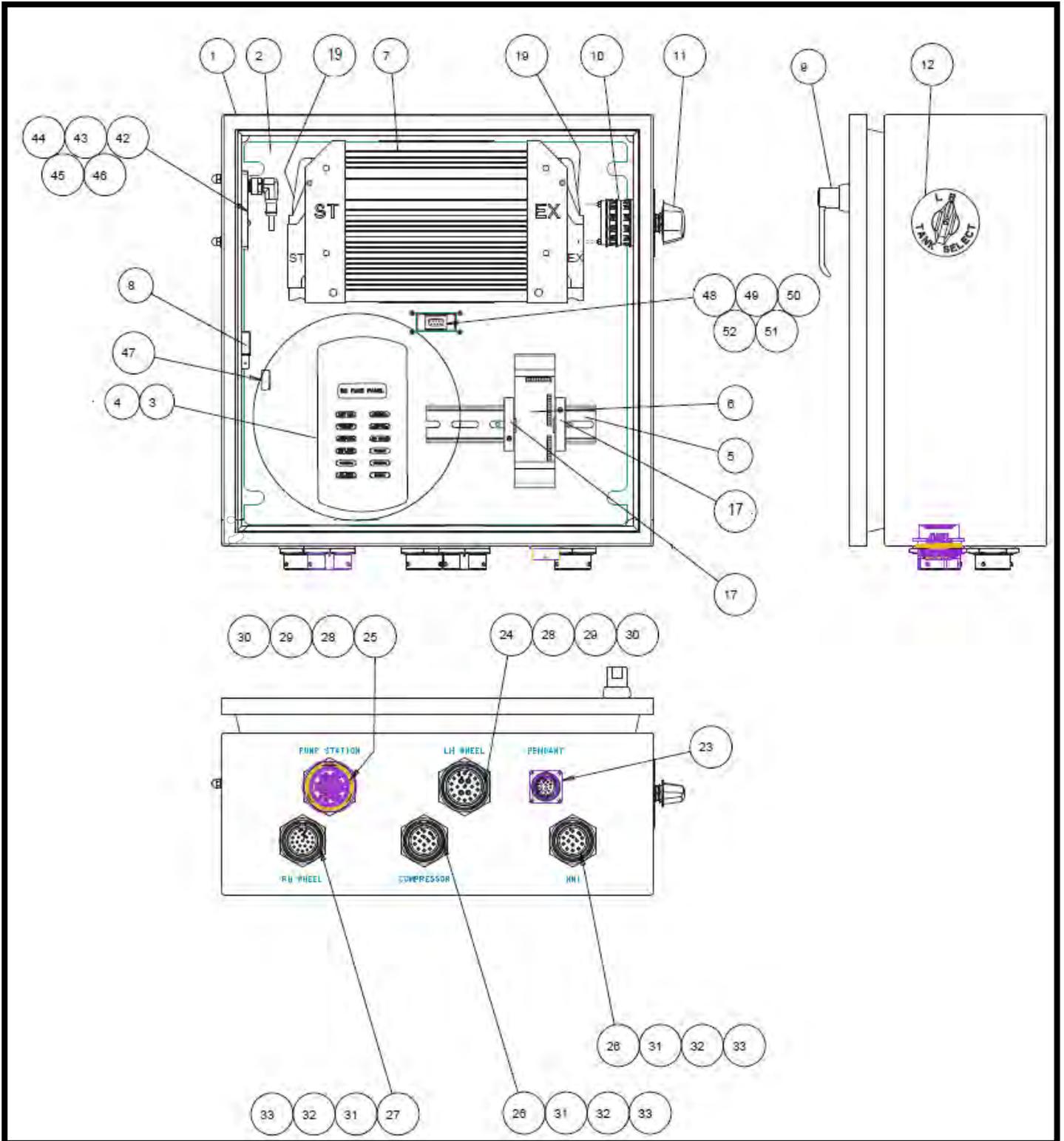


Controls System – IDX23001 (Cat), IDX20991 (Volvo)

Items with '**' are not shown

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23003	1	ELECTRICAL CONTROLS ASSY
2	IDX10819	1	RAM MOUNT KIT
3	IDX20268	1	HMI DISPLAY, PROGRAMMED
4	IDX11126	4	BOLT, M5-0.8 X 10 MM
*5	IDX20219	1	BALL MOUNT, 1.5" BOLT-ON
6	IDX20276	2	CAMERA MOUNT
7	IDX10828	2	CAMERA WITH MOUNT
8	IDX10829	2	CAMERA METAL COVER
9	IDX10192	4	FHHCS 1/4-20 1/2"LG
*10	IDX10859	2	PATCH CABLE, CAMERA, 11 M
*11	IDX20483	1	ASSY, Y-ADAPTER
*12	IDX23002	1	ASSY PENDANT CONTROLS
*13	IDX23325	6	CLAMP CABLE .44 IN STL
*14	IDX23391	8	10-16 PH DRILL PT 3/4 LG
15	IDX10196	4	WASHER, FLAT 1/4" ZN
16	IDX20192	4	HHCS, 1/4-20, 1" LONG
17	IDX20209	4	HEX NUT, 1/4-20, TOP LOCK
*18	IDX20625	1	CNCTR RCPT, 4 POS
*19	IDX20626	1	CNCTR PLG, 4 POS
*20	IDX10235	4	CONTACT PIN, SIZE 16
*21	IDX10236	4	CONTACT SOCKET, 16
*22	IDX20644	1	WEDGELOCK, W4P
*23	IDX20645	1	WEDGELOCK, W4S
*24	IDX20604	1	HARNESS, LEFT SIDE (CAT)
	IDX20694		HARNESS, LEFT SIDE (VOLVO)
*25	IDX20605	1	HARNESS, RIGHT SIDE (CAT)
	IDX20695		HARNESS, RIGHT SIDE (VOLVO)
*26	IDX20606	1	HARNESS, COMPRESSOR (CAT)
	IDX20696		HARNESS, COMPRESSOR (VOLVO)
*27	IDX20602	1	HARNESS, PUMP STATION
28	IDX20636	2	GASKET FOR HD SIZE 18 BLKHD
29	IDX20635	2	LOCK WASHER FOR HD SIZE 18 BLKHD
30	IDX20634	2	JAM NUT FOR HD SIZE 18 BLKHD
31	IDX23648	2	CAP, LANYARD, HD30, 14POS
32	IDX23651	2	PHMS, #10-13, SS, SLF TAP
*33	IDX20681	1	HARNESS, HMI, CAMERAS, CAN2
*34	IDX20689	1	HARNESS, HMI DISPLAY

Main Control Box – IDX23003

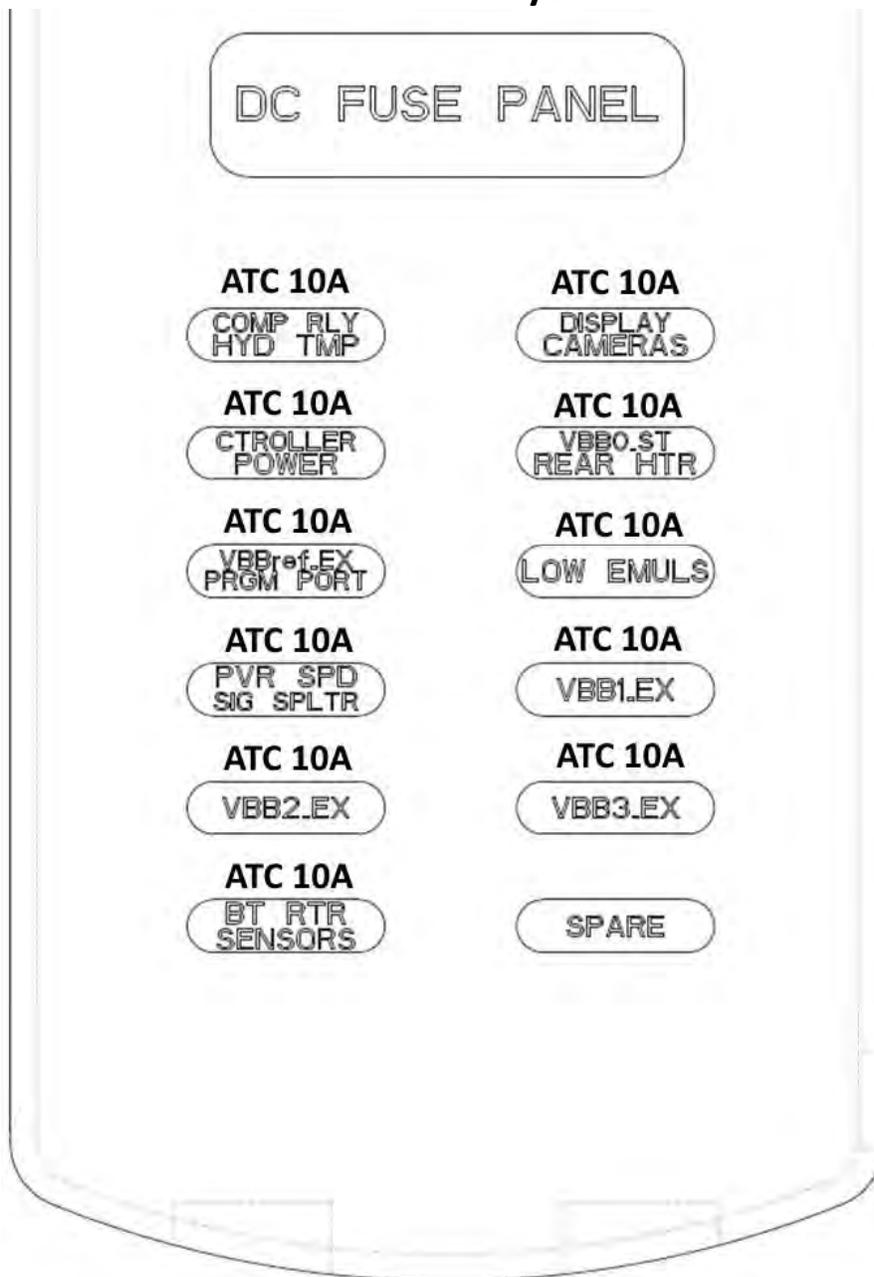


Main Control Box – IDX23003

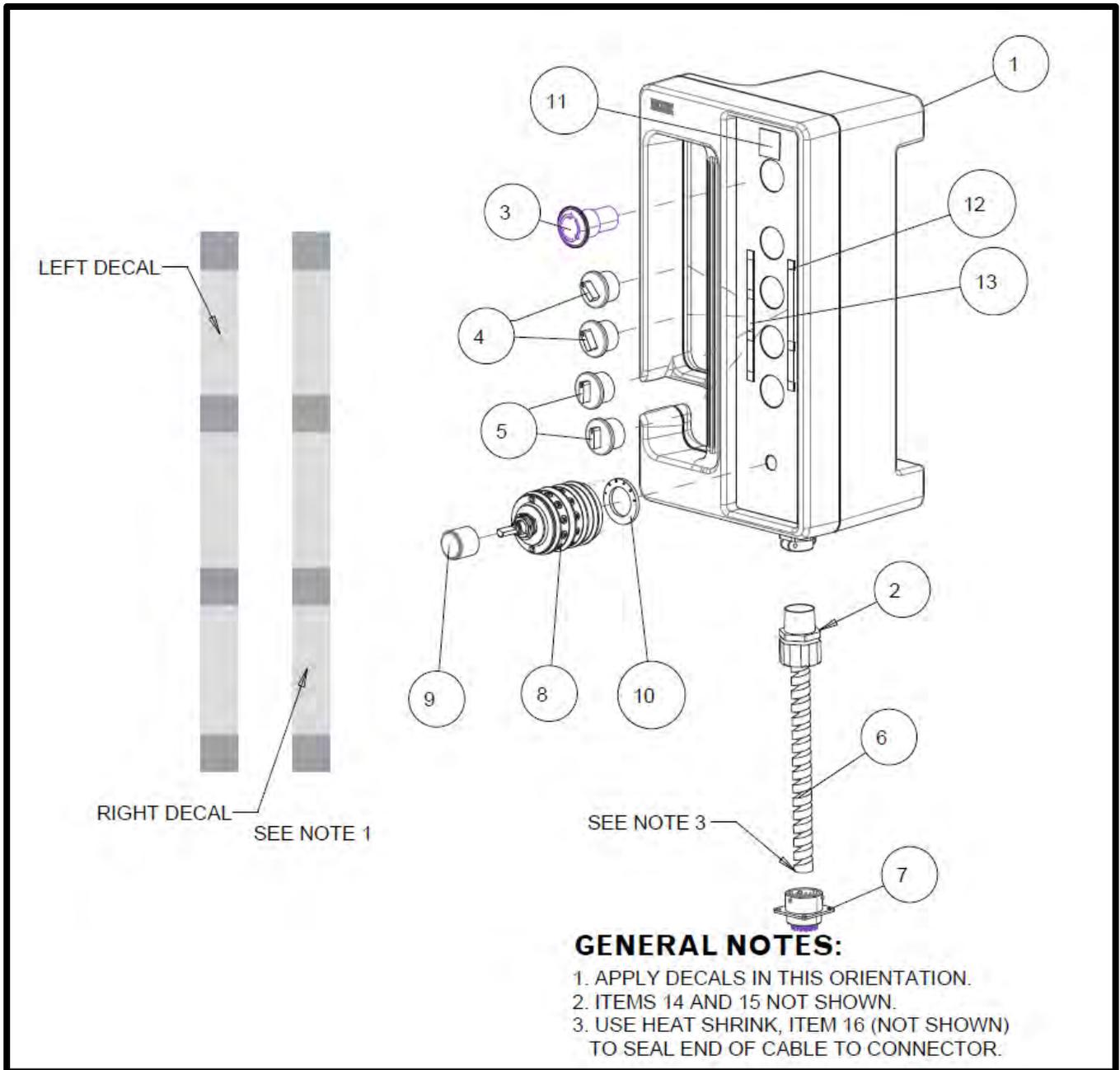
ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23210	1	MOD ENCLOSURE MODIFIED
2	IDX23211	1	MOD BACK PANEL
3	IDX10861	1	FUSE BLOCK, FOR ATC FUSES 12 C
4	IDX10791	10	ATC AUTOMOTIVE FUSE 10 AMP
5	IDX21033	1	DIN RAIL 37MMX1M
6	IDX10790	1	ENCODER SIGNAL SPLITTER
7	IDX20270	1	CONTROLLER, PROGRAMMED
8	IDX23370	1	RELAY DPDT 24V 50A
9	IDX21037	1	HANDLE LOCKING 1/4 TURN
10	IDX23268	1	ROTARY SWITCH 3 POLE, 3 POS
11	IDX23355	1	KNOB LARGE 6MM ROTARY
12	IDX20147	1	DECAL, TANK SELECT 1,2,3
13	IDX22041	4	HEX NUT #4-40
14	IDX22040	4	PHMS #4-40, 1/2 IN
15	IDX21043	6	PHMS #10-24, 1/2 IN
16	IDX21047	4	PHMS #8-32, 1/2 IN
17	IDX21034	2	END PLATE DIN RAIL
18	IDX23336	100 FT	WIRE, 20 AWG GXL, GRY
19	IDX20140	2	CONCTR, AMP 55-POLE, WIRED
20	IDX23393	1	CONNECTOR PLUG 6 POS
21	IDX23394	1	WEDGE PLUG 6 POS
22	IDX10236	5	CONTACT SOCKET, 16
23	IDX23340	1	CONNECTOR SKT 26 PIN X 20AWG
24	IDX20615	1	CNCTR RECPT, 21 POS
25	IDX20613	1	CNCTR RECPT, 31 POS
26	IDX20617	2	CNCTR RECPT, 14 POS
27	IDX20611	1	CNCTR, RECPT, 18 POS
28	IDX20639	2	GASKET FOR HD SIZE 24 BLKHD
29	IDX20638	2	LK WSHR FOR HD SIZE 24 BLKHD
30	IDX20637	2	JAM NUT FOR HD SIZE 24 BLKHD
31	IDX20636	3	GASKET FOR HD SIZE 18 BLKHD
32	IDX20635	3	LOCK WASHER FOR HD SIZE 18 BLKHD
33	IDX20634	3	JAM NUT FOR HD SIZE 18 BLKHD
34	IDX10235	71	CONTACT PIN, SIZE 16
35	IDX10254	4	CONTACT PIN, SIZE 12
36	IDX10266	6	SEAL PLUG, SIZE 12 & 16
37	IDX20631	20	CONTACT PIN, SIZE 20
38	IDX20633	4	CAVITY PLUG, 20
39	IDX10265	10	TERM FORK, 22-18 AWG #6 RED
40	IDX20672	12	TERM RING, 22-18 AWG #6 RED
41	IDX20673	50	TERM FORK, 22-18 AWG #8 RED
42	IDX20782	1	WIRELESS MODULE
43	IDX20079	1	M12 5-PIN SCKT 90° W/CABLE
44	IDX23645	2	SHCS, #8-32X7/8, BLK OX
45	IDX23646	2	LCK WSHR, #8, INTRN TOOTH

46	IDX23647	2	NUT, #8-32, ACORN
47	IDX20451	1	SPLICE CNCTR, 5 POS, 24-12AWG
48	IDX20075	1	D-SUB CONNECTOR, 9 PIN
49	IDX20124	4	PHMS, M2-.4 X 10MM LNG
50	IDX20125	4	NUT, M2-.4
51	IDX23649	4	SPLC CNCTR, 24-16AWG
52	IDX20264	1	CNTL PRG, D-SUB 9-PIN, 10' CBL
53	IDX23631	1	LABELS FOR WIRE, BOX

Fuse Panel Layout



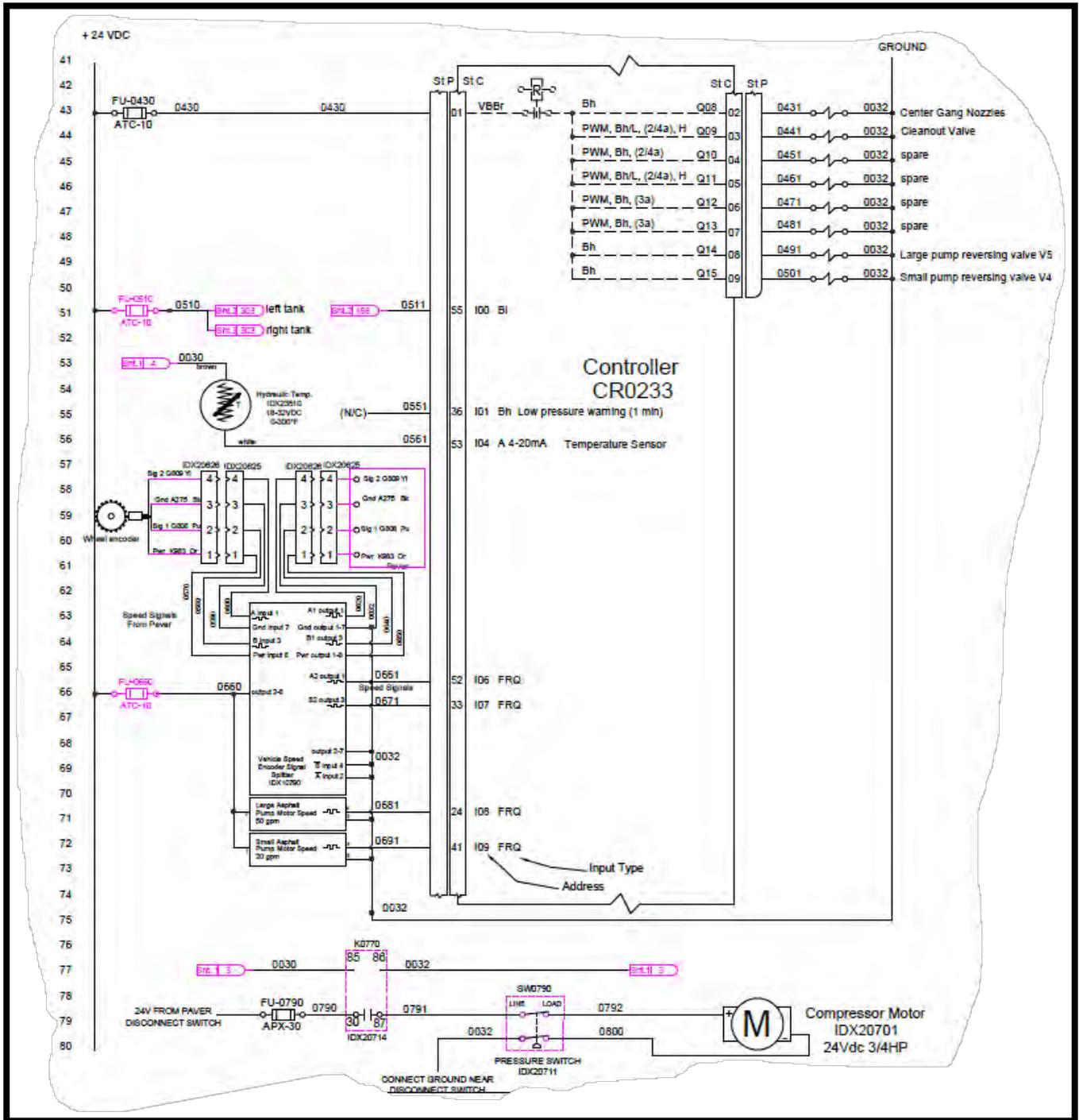
Pendant – IDX23002



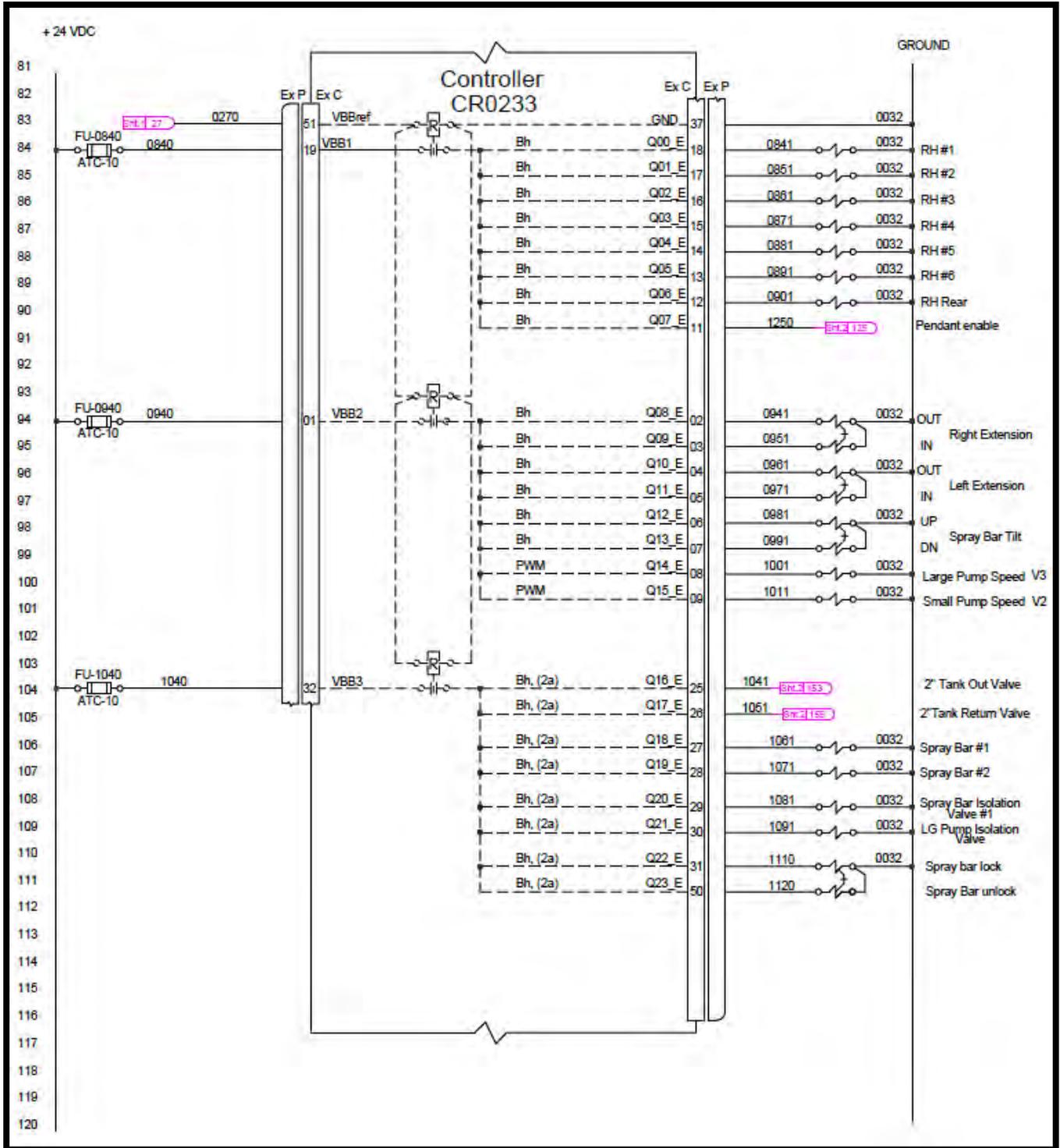
Pendant – IDX23002

ITEM	PART NO.	QTY.	DESCRIPTION
1	IDX23380	1	PENDANT ENCLOSURE
2	IDX23396	1	CORD GRIP, .38-.50 CORD
3	IDX10226	1	PENDANT, E-STOP MUSHROOM
4	IDX23265	2	SWITCH SELECTOR 2 POS
5	IDX23270	2	SWITCH SELECT 3 POS MOM CTR NO
6	IDX23386	1	CORD SPIRAL 27 COND 22AWG 20FT
7	IDX23341	1	CONNECTOR PLUG 26 PIN 20AWG
8	IDX23271	1	ROTARY SWITCH 2 POLE, 6 POS
9	IDX23274	1	KNOB ROTARY 6MM SHFT
10	IDX20148	1	DECAL, PENDANT 1,2,3,4,5,6
11	IDX20149	1	DECAL, PENDANT LABEL
12	IDX20146	1	DECAL, RIGHT LABEL
13	IDX20145	1	DECAL, LEFT LABEL
14	IDX20672	14	TERM RING, 22-18 AWG #6 RED
15	IDX20673	9	TERM FORK, 22-18 AWG #8 RED
16	IDX23820	4 IN	HEAT SHRINK 1 1/2"

Controls System Schematic



Controls System Schematic



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