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PARTS MANUAL

VSK200-2000
E850618

SERIAL NUMBER – V2000302161824 TO PRESENT

10/10/2016

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SYSTEM OPERATIONS SPECIFICATIONS

Part	Part #	First 50 hrs	Every 500 hrs	AS REQUIRED
Engine Oil	10W30 ACEA E9	✓Daily		
Engine Coolant	40/60 mixture of PROPYLENE GLYCOL AND WATER (must meet ASTM D6210 specifications)	✓Daily		X
Oil Filter (John Deere)	8092260-05	✓Daily	X	
Fuel Filter (primary) (John Deere)	8092260-02	✓Daily	X	
Air Filter (element) (John Deere)	8092260-22	✓Daily		X
Fuel-Water Separator Filter	8092260-01	X		
Hydraulic Oil	Industrial Type Hydraulic Fluid	✓Daily		
Water Pump Oil	General Pump Series 100 Oil or SAE30, Non-Detergent, Motor oil	✓Daily		
Blower Oil	Industrial Type, Heavy Duty, Non-Detergent Motor Oil	✓Daily, X		

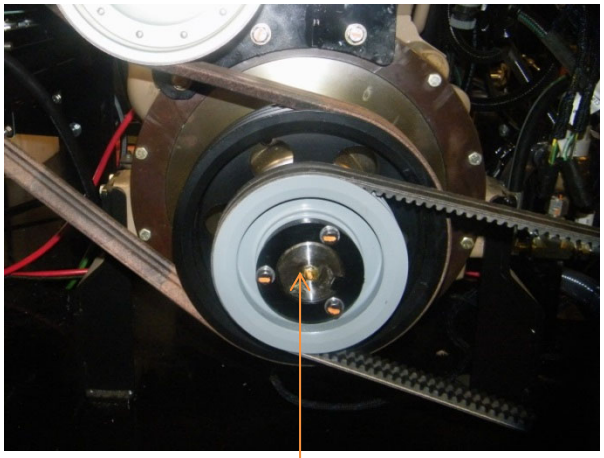
HYDRAULIC TEMPERTURE RANGE	**0-120°F (-18°-40°C) SAE 10 GRADE HYDRAULIC OIL or DEXTRON II ATF** **32-175°F (0-80°C) SAE 20 GRADE HYDRAULIC OIL** **3QTS (2.8L)**

BLOWER TEMPERTURE RANGE	**0°F (-1°C) AND UNDER**	**SAE 20**
	30-90°F (-1-32°C)	**SAE 30**
	90°F (32°C) AND ABOVE	**SAE 40**

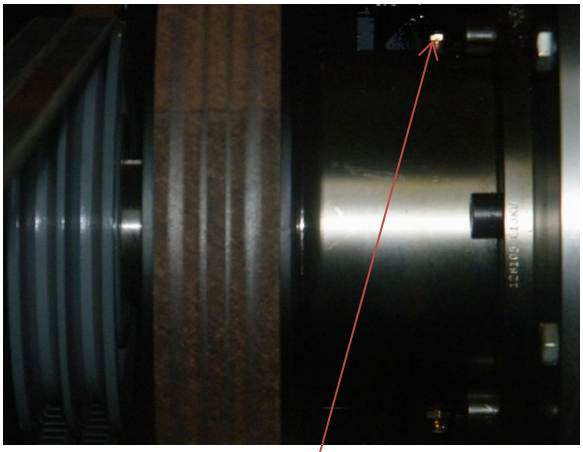
******WATER PUMP – (Remove fill cap and fill crankcase to dot on oil gauge window.)**

******Refer to Component Manual specific Component Specifications.**

GREASE GUN LUBE POINTS

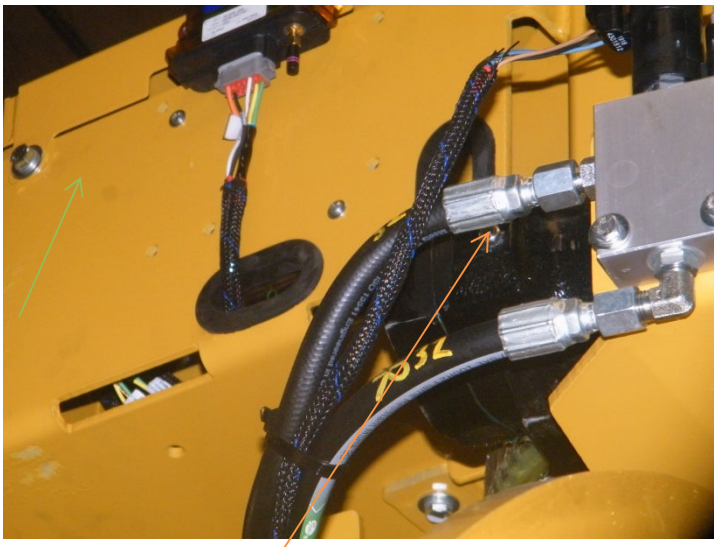


ENGINE GREASE POINT



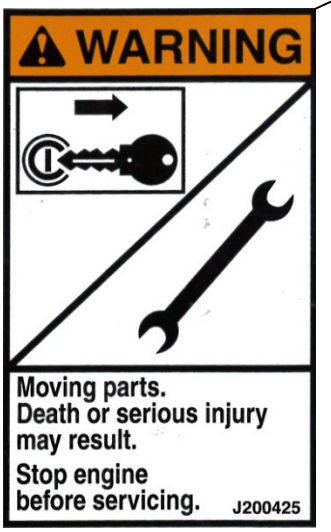
ENGINE HUB GREASE POINT

TANK PIVOT TUBE GREASE POINT



BOOM GREASE POINT

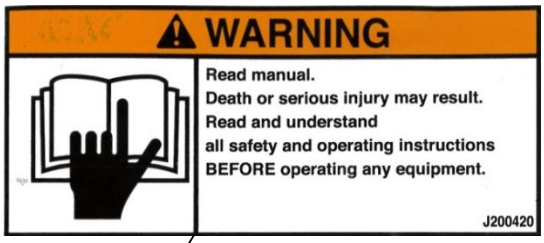
J200445



J200425

J200430

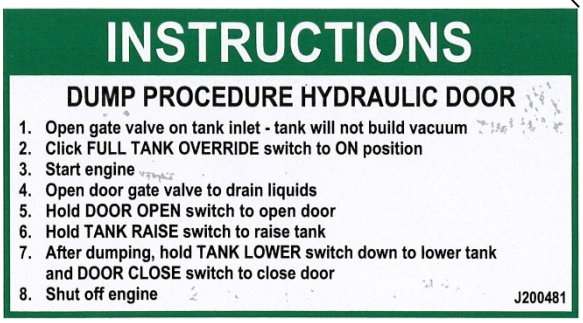
J200210



J200420

J200435

J200445



J200481

J200425

J200450

J200440

J200411

J200403

DECAL LAYOUT

J200473

J200481

J200423

J200410

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J200415

J200458

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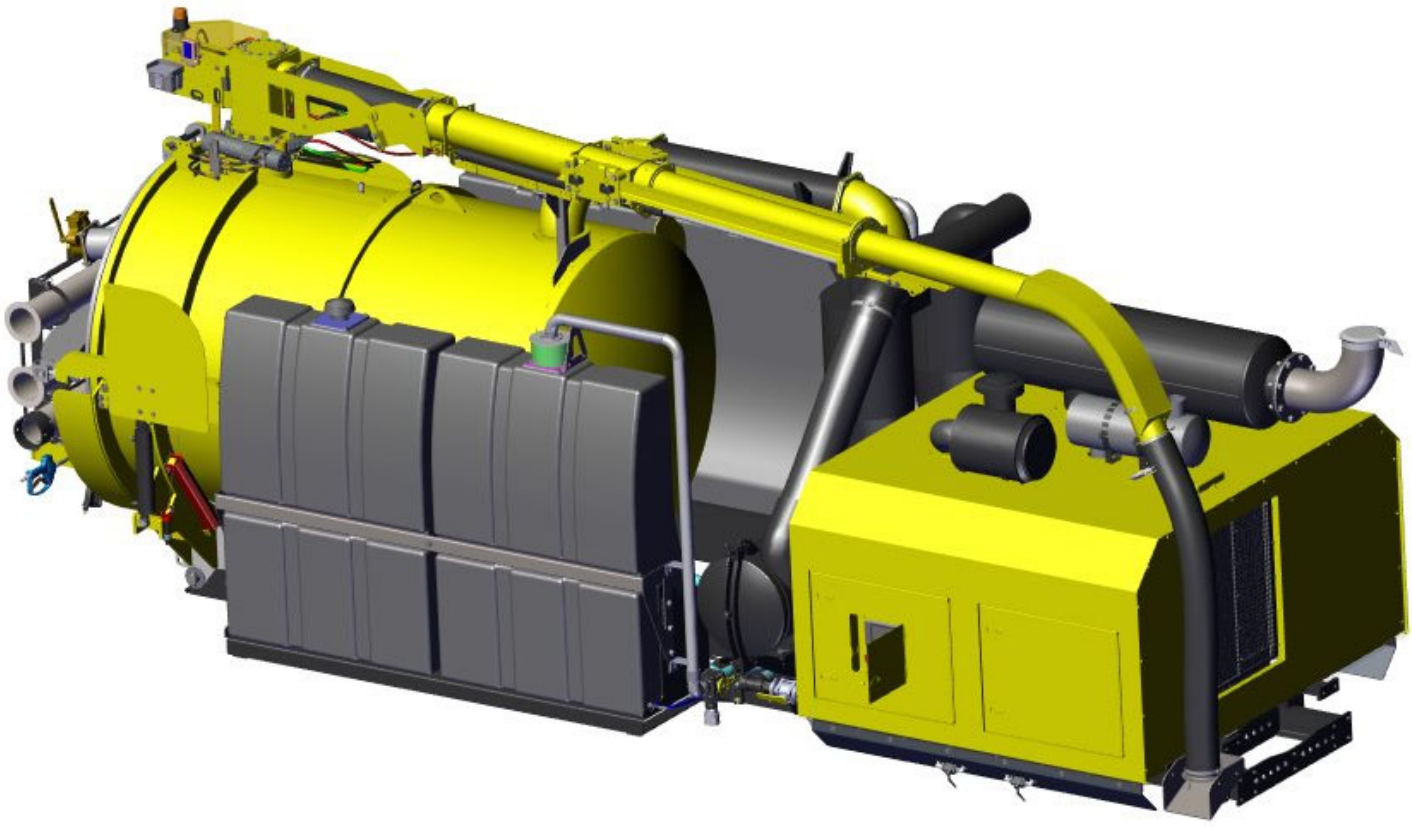

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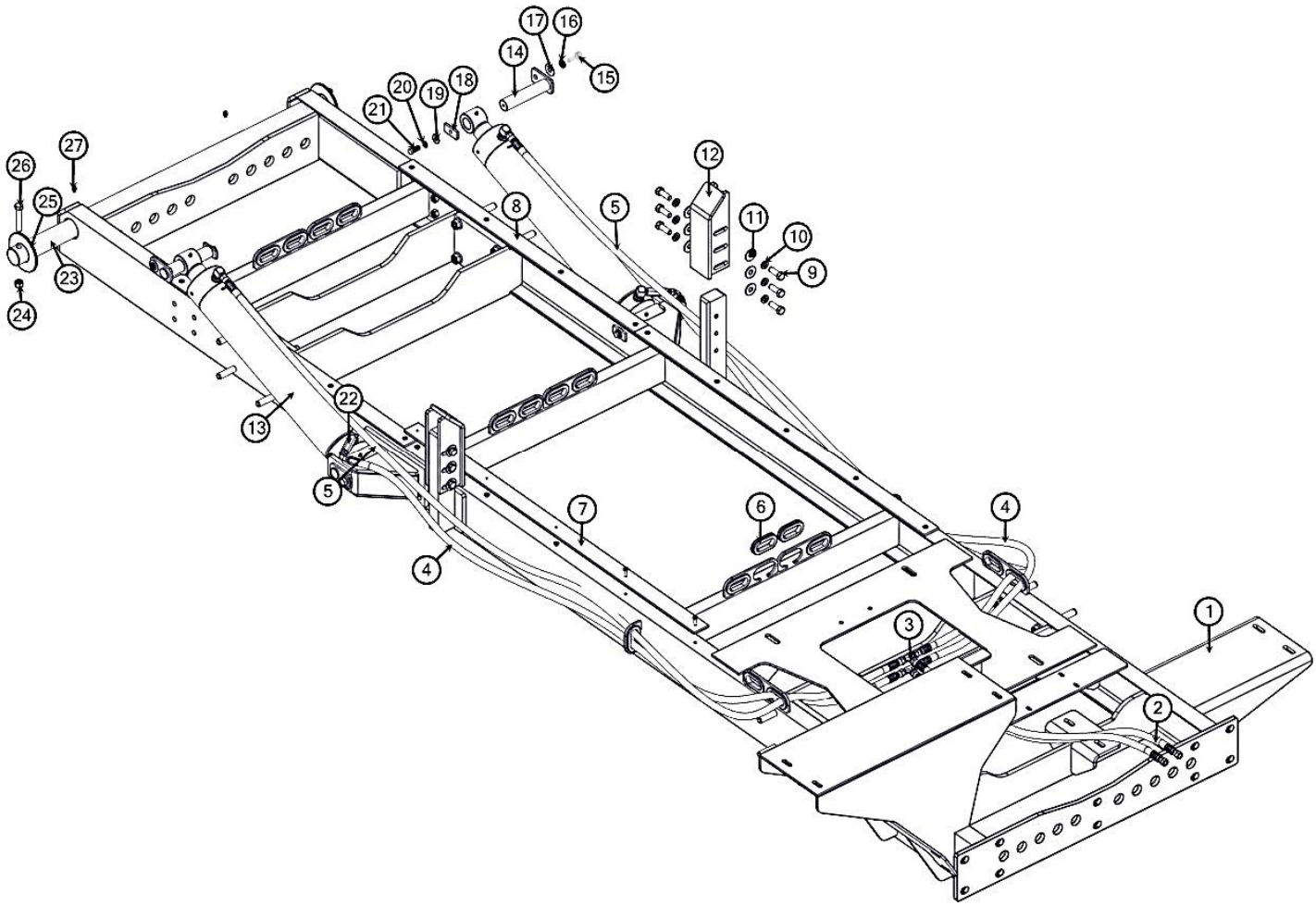
VX200 SPOIL TANK SKID ASSEMBLY

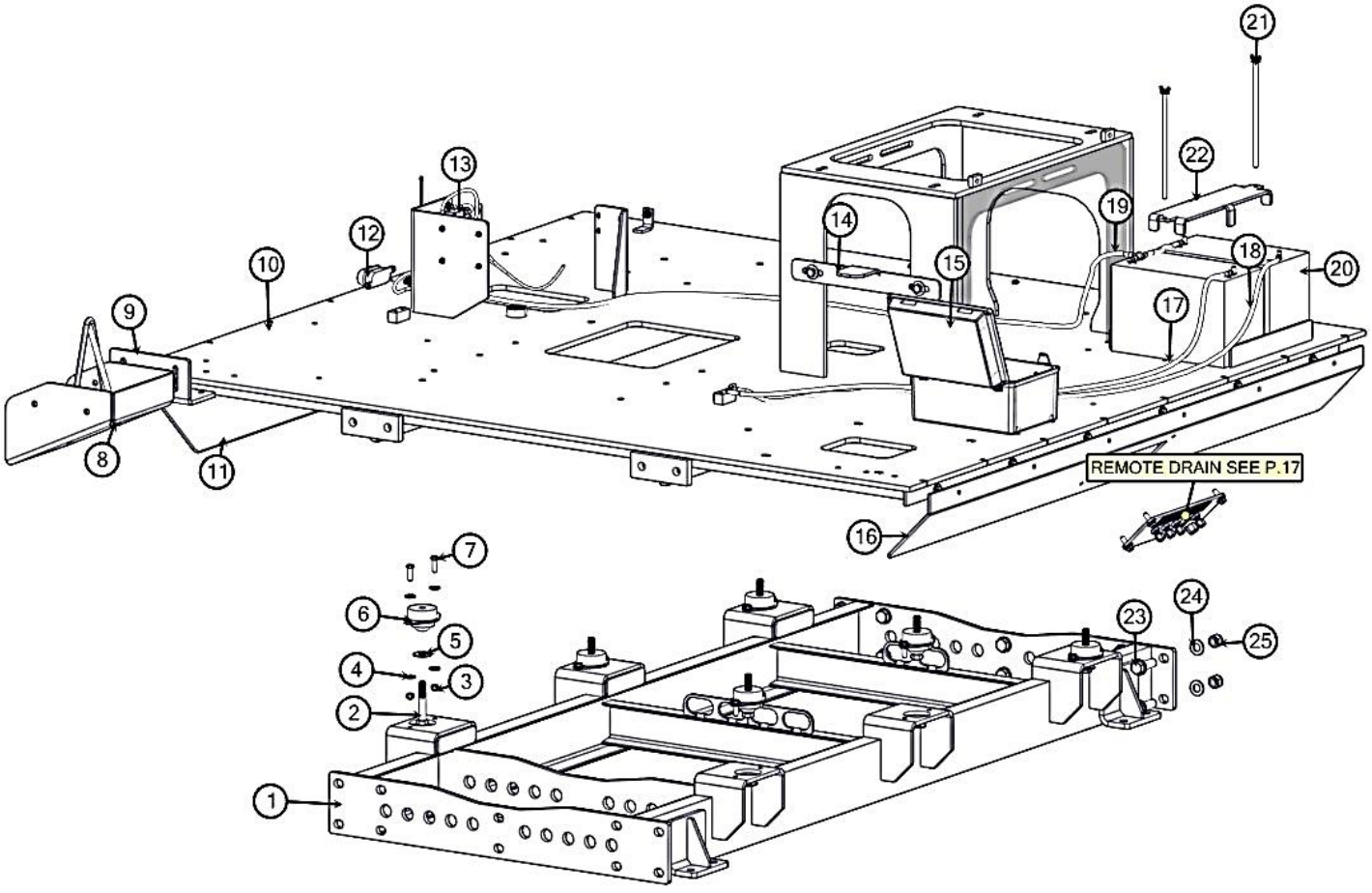


VX200 SPOIL TANK SKID ASSEMBLY

BOM ID	Qty	Name	
1	1	8092682	WELDMENT, SKID (SPOIL) VX200
2	2	8045871	HOSE ASSY VAC 6-40" ST-ST
3	2	T402154	TEE, 6MJ-6MJ-6MJ
4	2	8046819	HOSE ASSY VAC 6-79" ST-90
5	2	8093486	HOSE ASSY VAC 6-110" ST-ST
6	18	8042812	GROMMET, 2"ID X 3"OD X 1/4"WOG
7	2	8093839	STRIP, PLASTIC SKID/TANK
8	2	8093840	STRIP, PLASTIC SKID/TANK 2
9	12	U000840	SCREW, HC .500-13 X 1.50 ZP G5
10	12	U210100	WASHER, LOCK .500 ZP
11	12	U200100	WASHER, FLAT .500 ZP
12	2	8092998	TANK GUIDE HEAVY WELDMENT
13	2	8044825	CYLINDER, HYD 4" X 20"
14	4	8094489	WELDMENT, TANK PIVOT PIN
15	4	U000820	SCREW, HC .500-13 X 1.25 ZP G5
16	4	U210100	WASHER, LOCK .500 ZP
17	4	U200100	WASHER, FLAT .500 ZP
18	4	8091173	PIN RETENTION PLATE
19	4	U200060	WASHER, FLAT .375 ZP
20	4	U210060	WASHER, LOCK .375 ZP
21	4	U000420	SCREW, HC .375-16 X 1.00 ZP G5
22	2	8048286	VALVE CHECK VELOCITY 6.0GPM
23	1	8092765	ROD, TANK PIVOT
24	2	U160018	NUT, LOCK .500-13 NY ZP
25	2	U200180	WASHER, FLAT 2.125"ID X 4.50"OD
26	2	U000930	SCREW, HC .500-13 X 3.00 ZP G5
27	2	T500030	FITTING, GREASE .125 NPT STR

*NOT SHOWN
1 X200203 HARNESS, FRAME

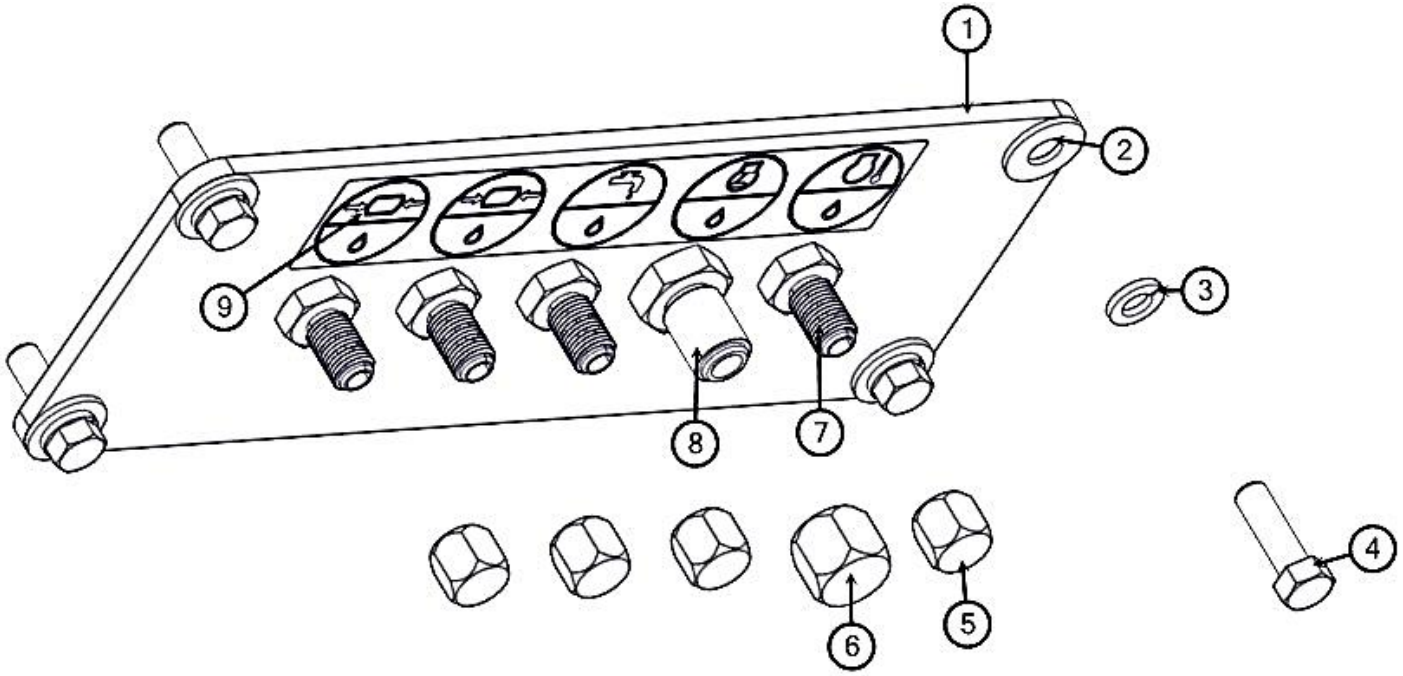
VX200 POWERPACK SKID ASSEMBLY



VX200 POWERPACK SKID ASSEMBLY

BOM ID	Qty	Name	
1	1	8091957	SKID, POWERPACK VSK200
2	6	U001300	SCREW, HC .625-11 X 3.75 ZP G5
3	12	U120110	NUT, LOCK .375-16 NY ZP
4	24	U200060	WASHER, FLAT .375 ZP
5	12	U200140	WASHER, FLAT .625 ZP
6	6	8094547	ISOLATOR, 1200 LBS
7	12	U000440	SCREW, HC .375-16 X 1.25 ZP G5
8	1	8094634	HOSE STORAGE TRAY WELDMENT
9	1	8094630	HOSE STORAGE MOUNT BRACKET
10	1	8092201	MAIN PLATE WELDMENT VX200
11	1	8091965	ENCLOSURE SKIRT VX200
12	1	8043800	FUSE HOLDER AMG
13	1	X000030	RELAY, POWER SPST 75A DUAL CONT
14	1	8094280	MOUNT, PIPE 6"
15	1	8094271	TOOL BOX, ENCLOSURE
16	1	8092832	SKIRT DRAIN PANEL WELDMENT
17	1	X300341	CABLE, BATTERY GND 1GA 62" 3/8"-3/8"
18	1	X300340	CABLE, BATTERY GND 1GA 70" 3/8"-3/8"
19	1	X300345	CABLE, BATTERY HOT 1GA 95" 3/8"-3/8"
20	2	X400050	BATTERY, 31-MHD WORKAHOLIC
21	2	8043742	BATTERY ROD HOLD DOWN VK
22	1	8092857	DUAL BATTERY HOLD DOWN PLATE
23	10	U001425	SCREW, HC .750-10 X 2.50 ZP G8
24	20	U200165	WASHER, FLAT .750 ZP SAE HARD
25	10	U120041	NUT, LOCK NY .750-10 ZP G8

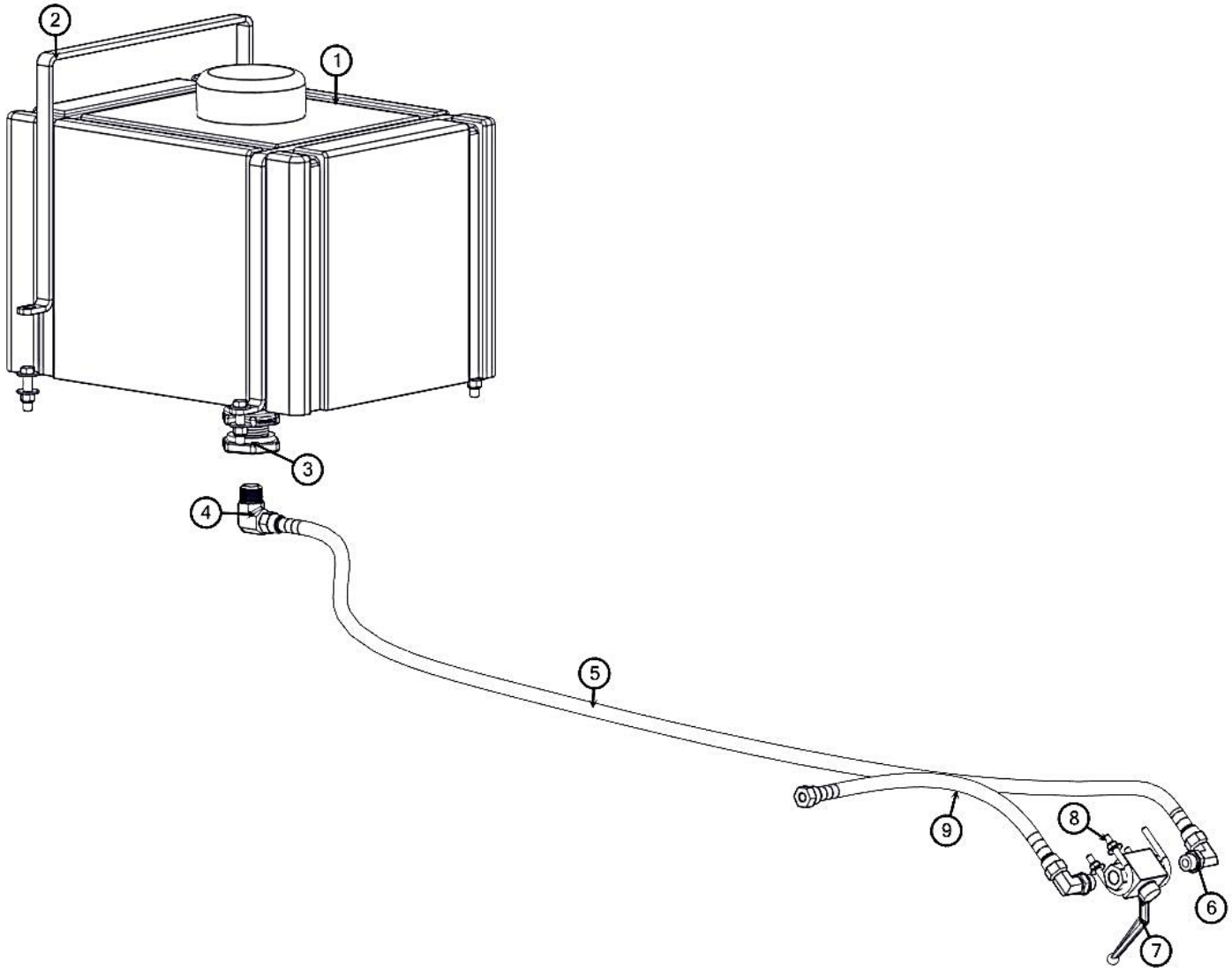
VX200 REMOTE DRAIN ASSEMBLY



VX200 REMOTE DRAIN ASSEMBLY

BOM ID	Qty	Name	
1	1	8092829	DRAIN PLATE VX200
2	4	U200060	WASHER, FLAT .375 ZP
3	4	U210060	WASHER, LOCK .375 ZP
4	4	U000440	SCREW, HC .375-16 X 1.25 ZP G5
5	4	T405203	CAP, 3/8"FJIC HEX HEAD
6	1	T405205	CAP, 1/2"FJIC HEX HEAD
7	4	T400391	BULKHEAD 6MJ_6MJ
8	1	T400387	BULKHEAD 8MJ_8MJ
9	1	J200032	DECAL, REMOTE DRAIN

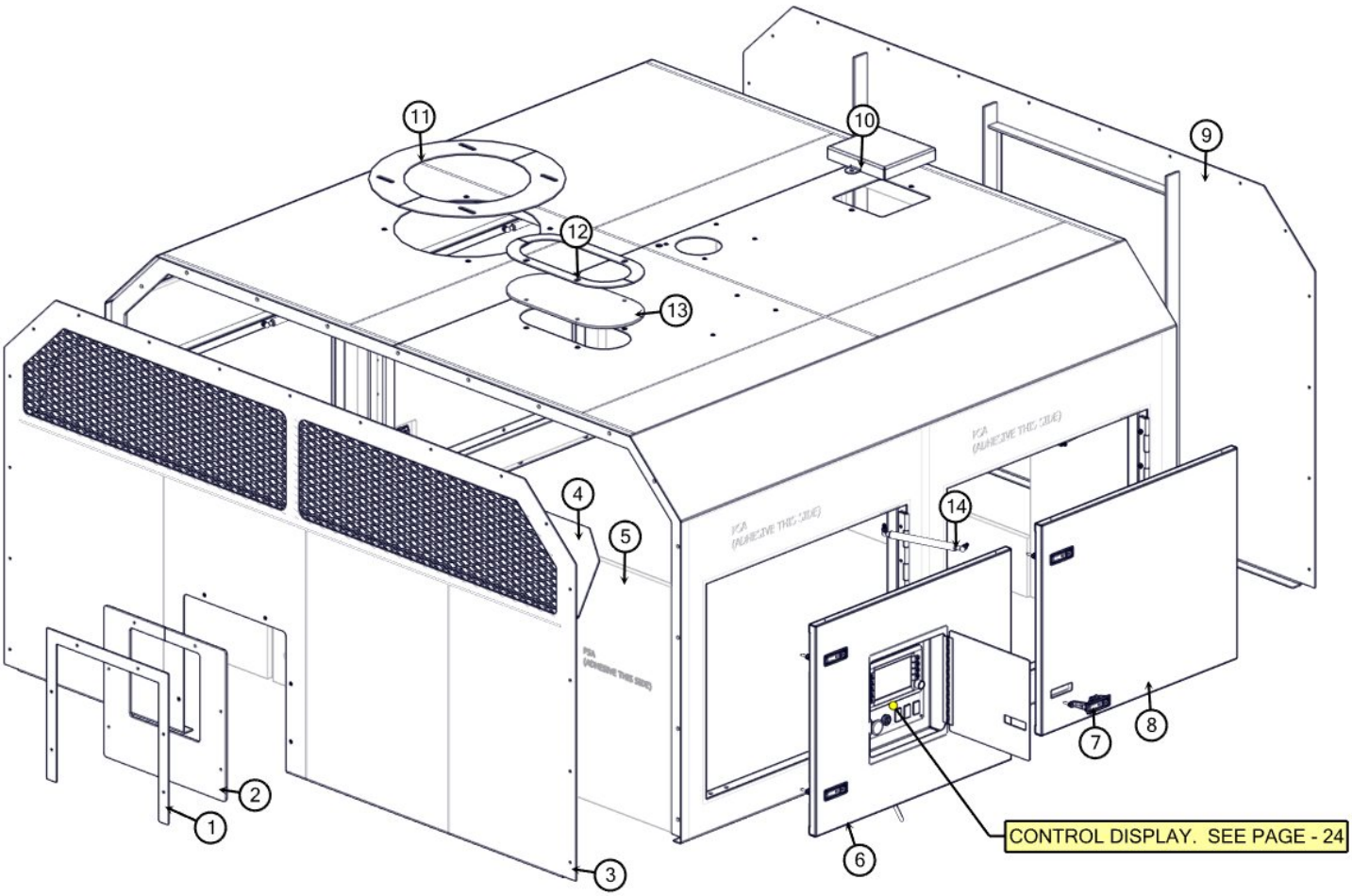
VX200 ANTIFREEZE ASSEMBLY



VX200 ANTIFREEZE ASSEMBLY

BOM ID	Qty	Name	
1	1	8048810	TANK, ANTIFREEZE 12GAL W/CAP
2	2	8094267	HOLD DOWN PLATE (ANTIFREEZE)
3	1	8041148	BULKHEAD 3/4"NPT PLASTIC
4	1	T401160	ELBOW, 90 12MP-8MJ
5	1	8046803	HOSE VAC PUSH 8-79"LG
6	2	T401280	ELBOW, 90 8MB(ADJ) - 8MJ
7	1	8031197	VALVE, BALL 1/2" 3000 PSI.MIN
8	2	U010017	U-BOLT .250-20
9	1	8090212	HOSE VAC PUSH 8-24"LG

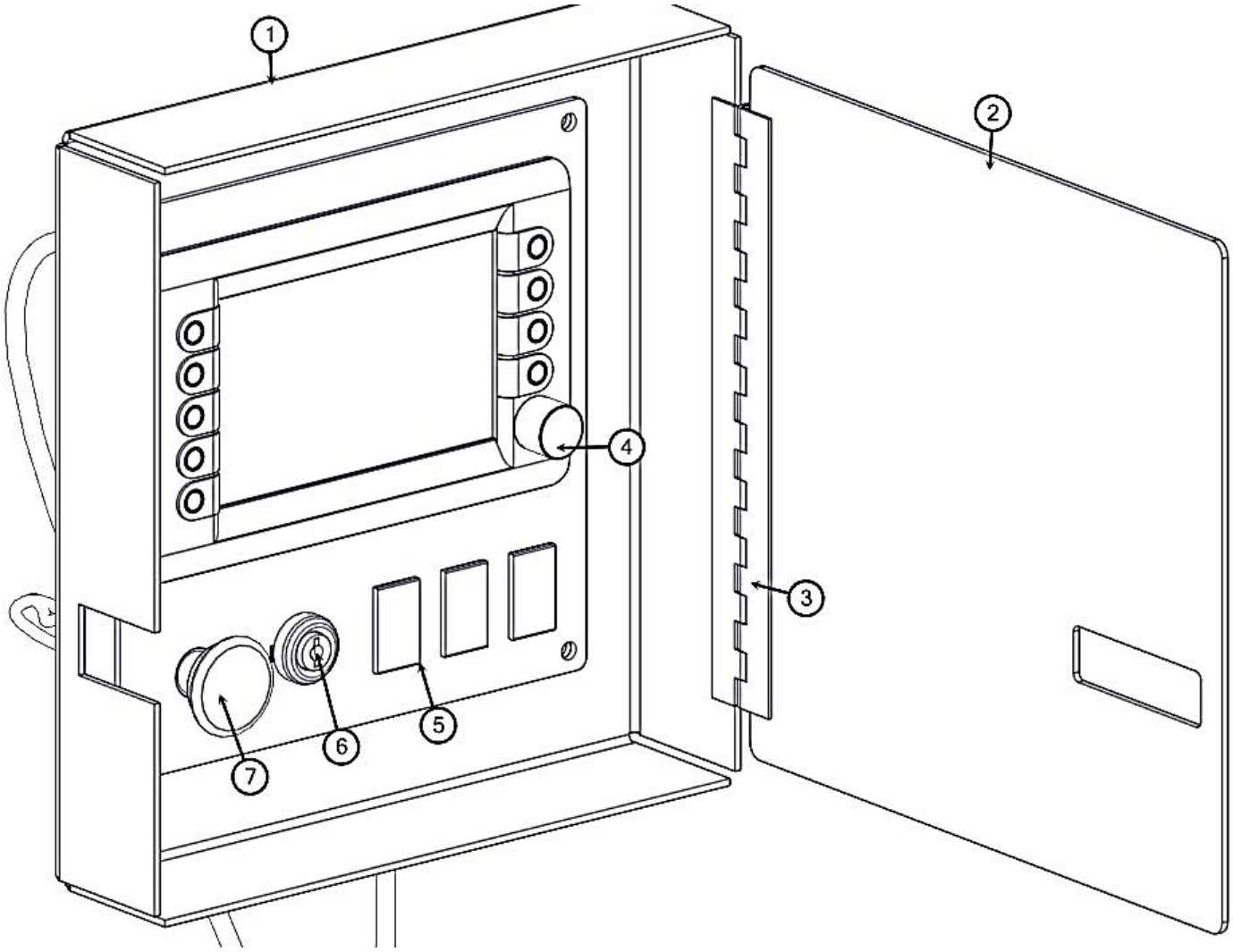
VX200 ENCLOSURE ASSEMBLY



VX200 ENCLOSURE ASSEMBLY

BOM ID	Qty	Name	
1	1	8093100	BLOWER AG SEAL PLATE
2	1	8093760	SEAL, BLOWER AG HOSE
3	1	8092445	ENCLOSURE REAR PANEL WELDMENT
4	1	8092198	SOUND DIFFUSER
5	1	8092594	SOUND INSULATION VX200
7	8	8092725	LATCH, KEY LOCKING
8	3	8093086	ENCLOSURE DOOR
9	1	8092446	ENCLOSURE FRONT PANEL WELDMENT
10	1	8092481	ENCLOSURE COVER (RADIATOR ACCESS)
11	2	8092479	ADJUSTABLE FLANGE
12	2	8093293	AIR FILTER PIPE PLATE
13	1	8092801	SEAL, RUBBER
14	4	8093730	SPRING, GAS W/BALL-JOINT FITTINGS

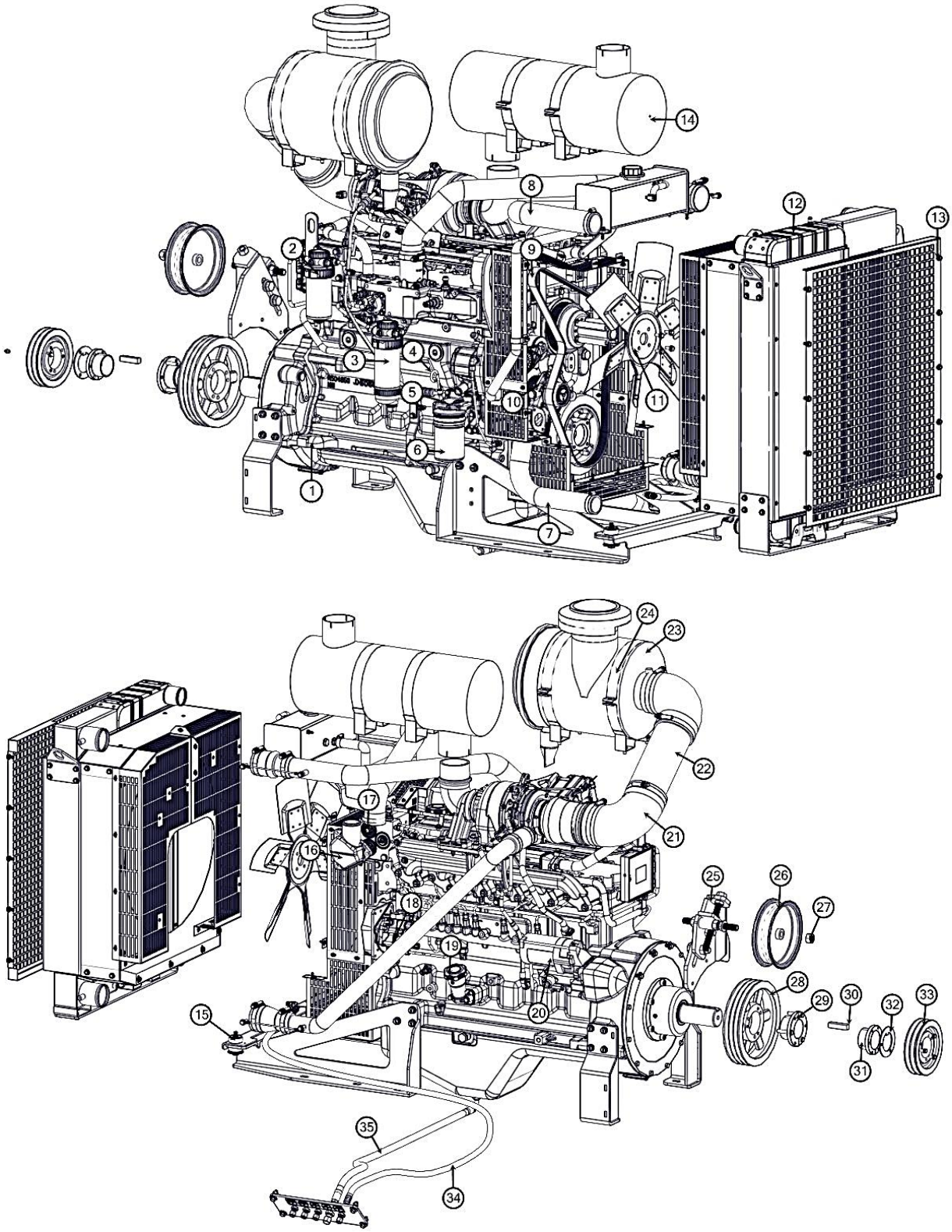
VX200 CONTROL BOX ASSEMBLY



VX200 CONTROL BOX ASSEMBLY

BOM ID	Qty	Name	
1	1	8092696	CONTROL BOX
2	1	8092700	DOOR, CONTROL BOX
3	1	8092723	HINGE, CONTROL BOX
4	1	8092954	DISPLAY, 7" IFM COLOR
5	3	X000290	PLUG, ROCKER HOLE
6	1	8030458	SWITCH, IGNITION 3000PP
7	1	X000280	EMERGENCY STOP

VX200 ENGINE ASSEMBLY

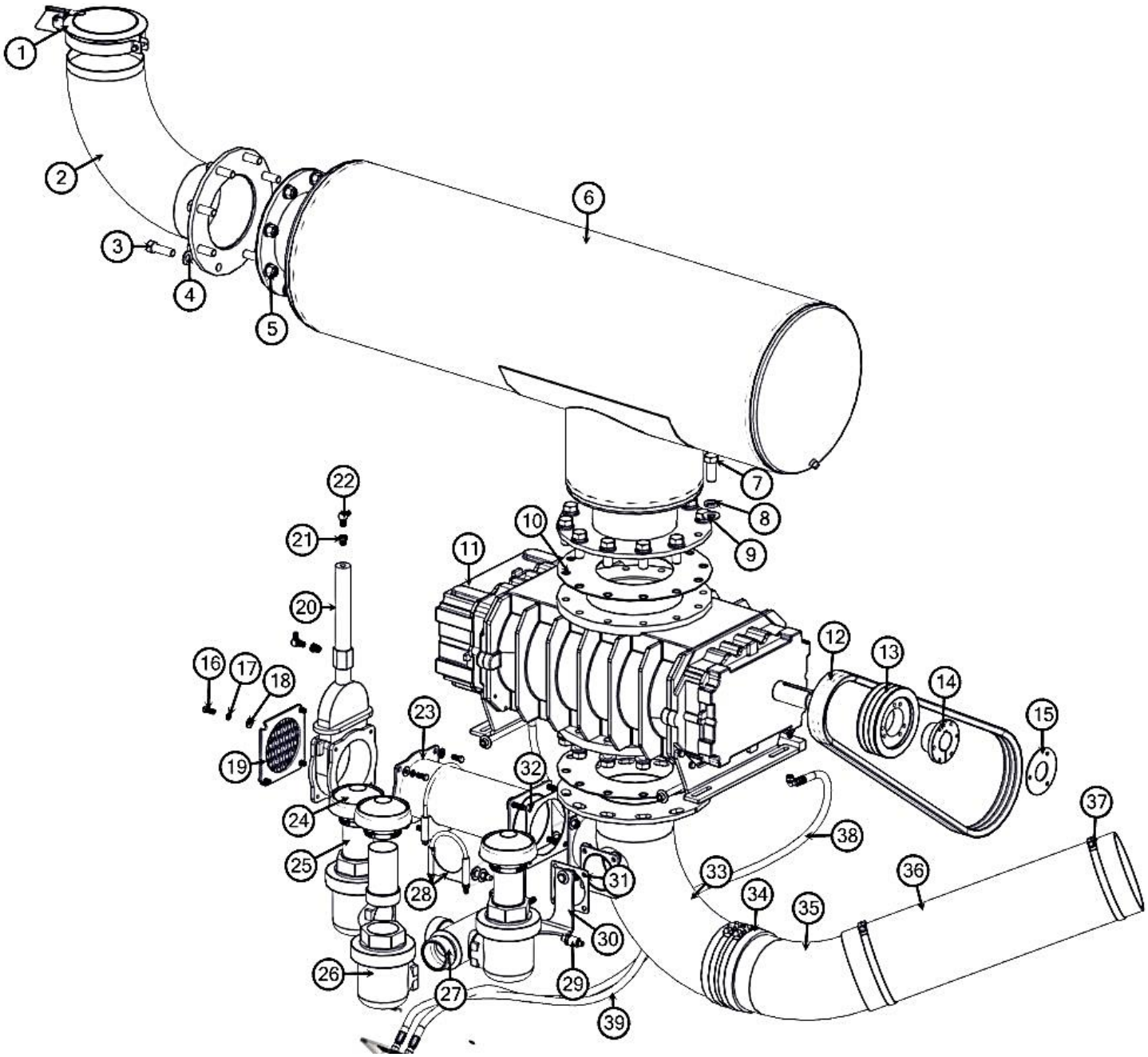


VX200 ENGINE ASSEMBLY

BOM ID	Qty	Name
1	1	8092260 ENGINE, DEERE 200HP PWR UNIT
2	1	8092260-01 FILTER, FUEL WATER SEPARATOR
3	1	8092260-02 FILTER, FUEL
4	1	8092260-03 DIPSTICK, OIL
5	1	8092260-04 HEADER, OIL FILTER
6	1	8092260-05 FILTER, OIL
7	1	8092260-06 HOSE, RADIATOR LOWER
8	1	8092260-11 HOSE, RADIATOR UPPER
9	1	8092260-08 BELT, FAN
10	1	8092260-07 PUMP, WATER
11	1	8092260-09 FAN
12	1	8092260-10 RADIATOR
13	1	8092260-23 GUARD, RADIATOR
14	1	8092260-12 MUFFLER
15	2	8092260-17 MOUNT, RADIATOR
16	1	8092260-13 COVER, THERMOSTAT
17	1	8092260-14 ASSEMBLY, THERMOSTAT
18	1	8092260-15 PUMP, FUEL
19	1	8092260-16 CAP, OIL FILL
20	1	8092260-18 STARTER
21	1	8092260-19 ELBOW, AIR CLEANER ASSEMBLY
22	1	8092260-20 STRAIGHT, AIR CLEANER ASSEMBLY
23	1	8092260-21 AIR FILTER OUTER
24	1	8092260-22 ELEMENT, AIR FILTER
25	1	8094543 WELDMENT, PULLEY TENSIONER STATIONARY
26	1	8093169 PULLEY, 9" TENSIONER MOUNT
27	1	U100200 NUT,HEX .750-10 ZP G5
28	1	8093954 SHEAVE, 3-5VX1130
29	1	8093955 BUSHING, SF 2 1/2"
30	1	8093955-01 KEY, BUSHING 5/8" - 3/16"
31	1	8094122 BUSHING, SK 2 1/2"
32	1	8094136 RETAINER, 2.5" SHAFT
33	1	8093956 SHEAVE, 2BX0700
34	1	8041452 HOSE ASSY VAC 6-70" ST-90
35	1	8041490 HOSE ASSY VAC 6-52" ST-90

* NOT SHOWN:
ASSEMBLY, ENGINE BAY HARNESS VX200 - X200202

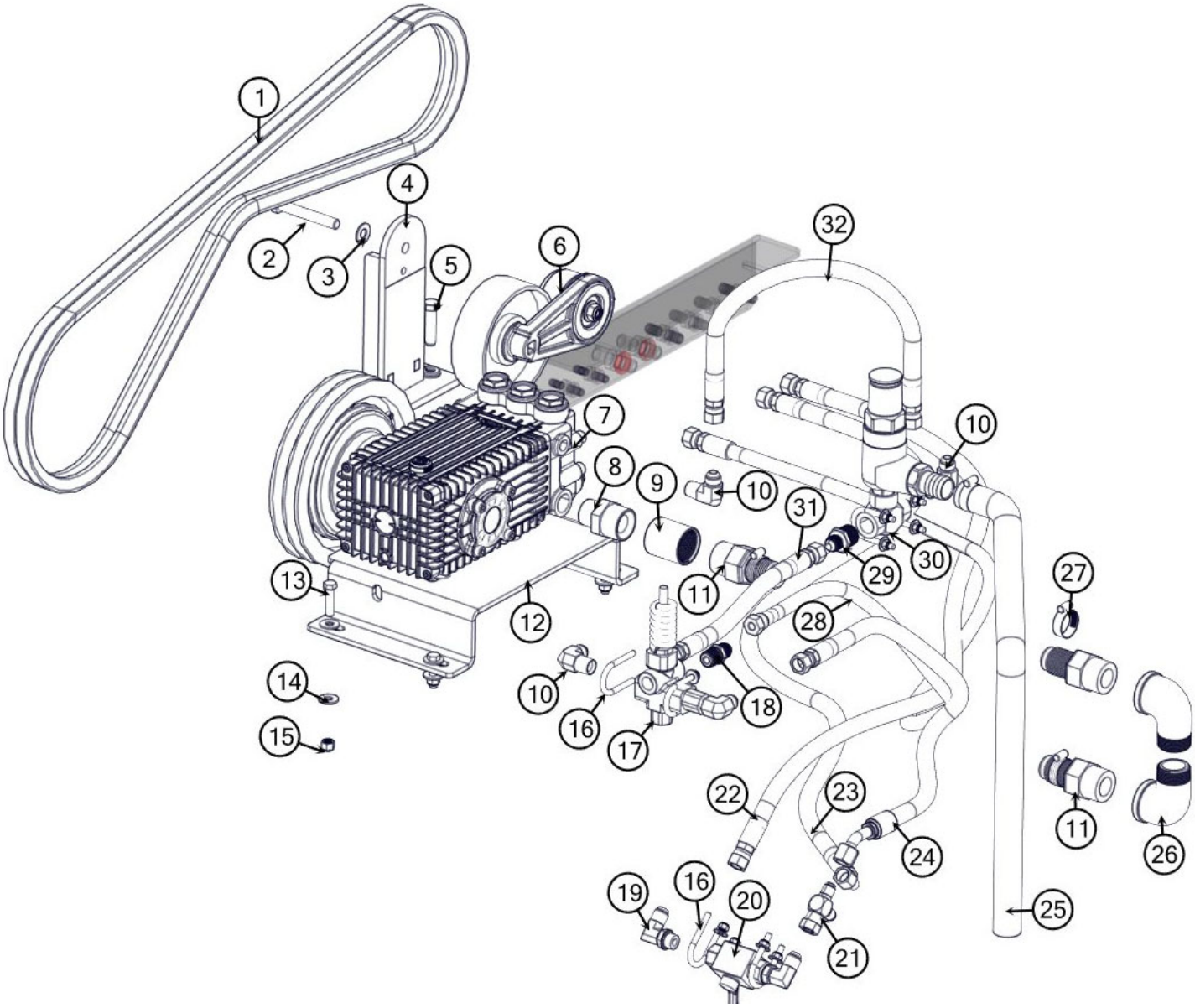
VX200 BLOWER ASSEMBLY



VX200 BLOWER ASSEMBLY

BOM ID	Qty	Name
1	1	8094195 RAIN CAP, 8" SILENT
2	1	8092519 SILENCER OUTLET WELDMENT
3	8	U001420 SCREW, HC .750-10 X 2.50 ZP G5
4	16	U200160 WASHER, FLAT .750 ZP
5	8	U120040 NUT, LOCK NY .750-10 ZP G2
6	1	8092091 SILENCER, AIR 10" IN - 8" OUT
7	24	U001551 SCREW, HC .875-9 X 2.25 ZP G5
8	24	U210180 WASHER, LOCK .875 ZP
9	24	U200168 WASHER, FLAT .875 ZP SAE HARD
10	2	8092811 GASKET, BLOWER FLANGE
11	1	8092099 BLOWER, RAM 624 3200CFM
12	1	8093952 BELT, 3-5VP870 BANDED
13	1	8093950 SHEAVE, 3-5VX0750 SF
14	1	8093951 BUSHING, SF 2
15	1	8092817 RETAINER, 2" BUSHING (3 HOLE)
16	8	U000420 SCREW, HC .375-16 X 1.00 ZP G5
17	8	U210060 WASHER, LOCK .375 ZP
18	8	U200060 WASHER, FLAT .375 ZP
19	1	8049371 BOTTOM PLATE WELDMENT 6" VALVE
20	1	8043577 VALVE, GATE 6" W/HYD. CYLINDER DBL ACT
21	2	T400023 REDUCER 6MP_4FP
22	2	T401100 ELBOW 90 4MP_4MJ
23	1	8091659 WELDMENT, 6" PIPE EXTENSION
24	3	8091506-01 CAP, AIR IN-TAKE 3"ID
25	3	8045238 UNION EXHAUST 3" OD-MNPT
26	3	8092079 VALVE, 3" AIR RELIEF SET 18"HG
27	1	8092573 VAC RELIEF WELDMENT
28	1	8031193 CLAMP, U-BOLT 4" EXHAUST
29	1	X000085 PRESSURE TRANSDUCER
30	1	8092307 PIPE MOUNT 4"
31	1	8092812 GASKET, 4" PIPE
32	1	8092813 GASKET, 6" PIPE
33	1	8092319 INTAKE WELDMENT
34	1	8092966-004.00 TUBE, TEX-AQUA-HD 8" X 4"LG
35	1	8094401 ELBOW, 45 8"OD X 4"LEG
36	1	8092966-030.00 TUBE, TEX-AQUA-HD 8" X 30"LG
37	4	8092896 CLAMP, T-BOLT 8" HOSE
38	1	8049140 HOSE ASSY VAC 6-85" ST-90
39	1	8047171 HOSE ASSY VAC 6-96" ST-ST

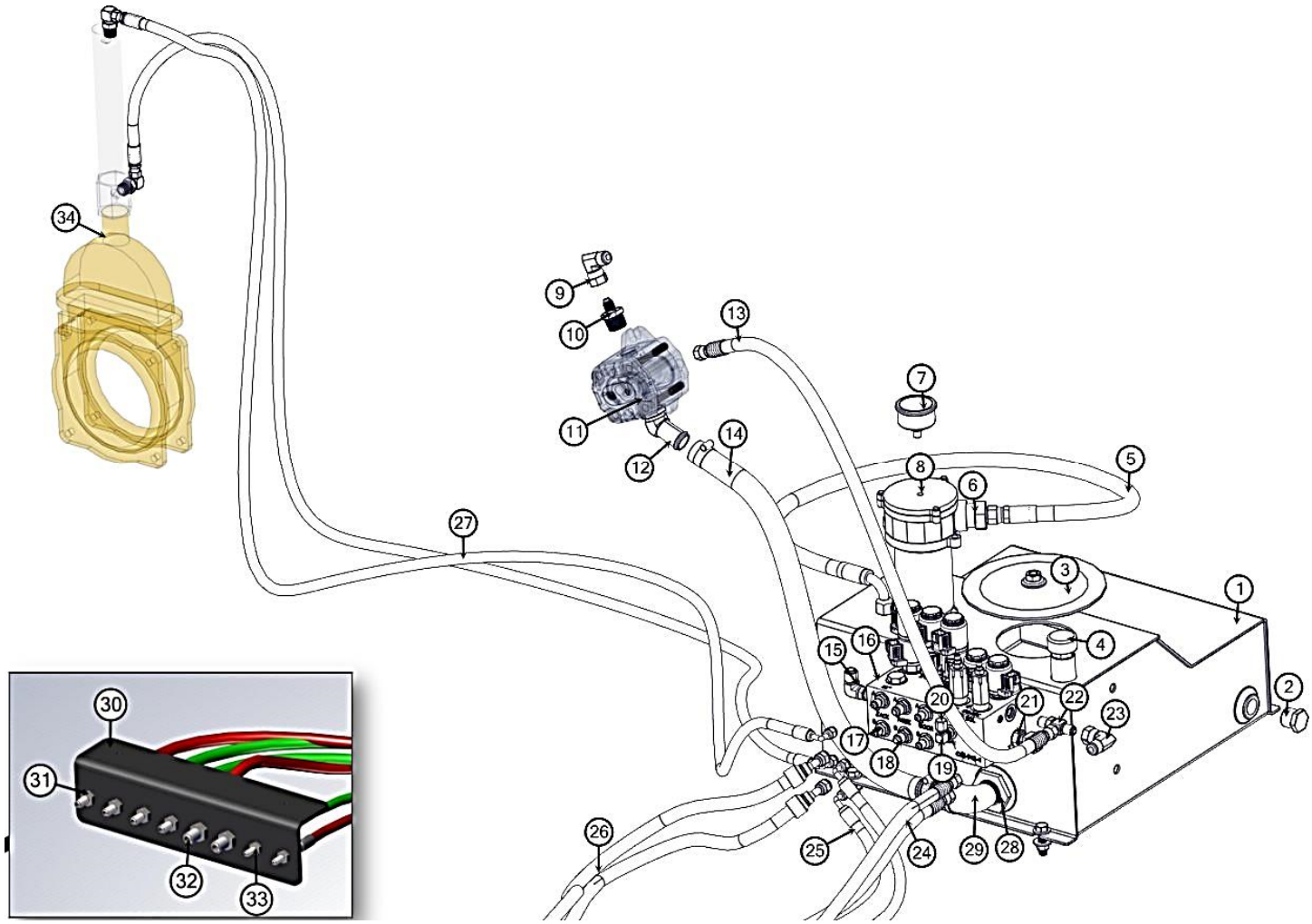
VX200 WATER PUMP TSF2421 ASSEMBLY



VX200 WATER PUMP TSF2421 ASSEMBLY

BOM ID	Qty	Name	
1	2	8097114	BELT, BP83 PREDATOR GATES ONLY
2	1	U001655	SCREW, HC 12MM X 1.75 X 90MM G8.8
3	4	U200110	WASHER FLAT .500 ZP SAE HARD
4	1	8097112	WELDMENT, AUTO TENSIONER, ECO200
5	2	U000880	SCREW, HC 1/2-13 X 2.00 ZP G5
6	1	8096205	AUTO TENSIONER FLAT FACED PULLEY
7	1	8093712	PUMP, WATER TSF2421 W/CLUTCH
8	1	T400618	REDUCER, 1"MP-1-1/4"MP
9	1	T422080	COUPLING PIPE 1 1/4" STEEL
10	4	T401140	FITTING, ELBOW 90°, 8MP-8MJ 90°
11	3	8041312	FITTING, 1-1/4"MP-1-1/4"HB
12	1	8093520	PUMP BRACKET TSF2421
13	4	U000460	SCREW, HC .375-16 X 1.50 ZP G5
14	12	U200060	WASHER, 3/8" USS FLAT ZP
15	4	U110060	NUT, ST .375-16 ZP G2
16	6	U010017	U-BOLT, .250-20 X .75
17	1	8030341	VALVE, UNLOADER, GREEN SPRING
18	1	T400040	UNION, 8MP - 8MJ
19	2	T401280	ELBOW, 90 8MB-8MJ
20	1	8031197	VALVE, BALL 1/2" 3000 PSI
21	1	T402155	TEE 8FJ_8MJ_8MJ
22	1	8041489	HOSE ASSY VAC 8-60" ST-ST
23	1	8043055	HOSE ASSY VAC 8-60" ST-45
24	1	8094059	HOSE ASSY VAC 8-23.5" ST-90
25	1	8042941	HOSE VAC CLEAR VINYL 1-1/4-27
26	2	8041311	ELBOW, 90 1.25 STREET EL GALVAN
27	3	8040677	CLAMP, HOSE 1 1/4 - 2 1/8 HD
28	1	8041489	HOSE ASSY VAC 8-60" ST-ST
29	1	T400080	REDUCER, 3/4"MP-1/2"MJ (12MP-8MJ)
30	1	T402160	TEE 12FP_12FP_12FP
31	1	8042934	HOSE ASSY VAC 4-12" ST-ST
32	1	8044749	HOSE ASSY VAC 4-23.5" ST-90

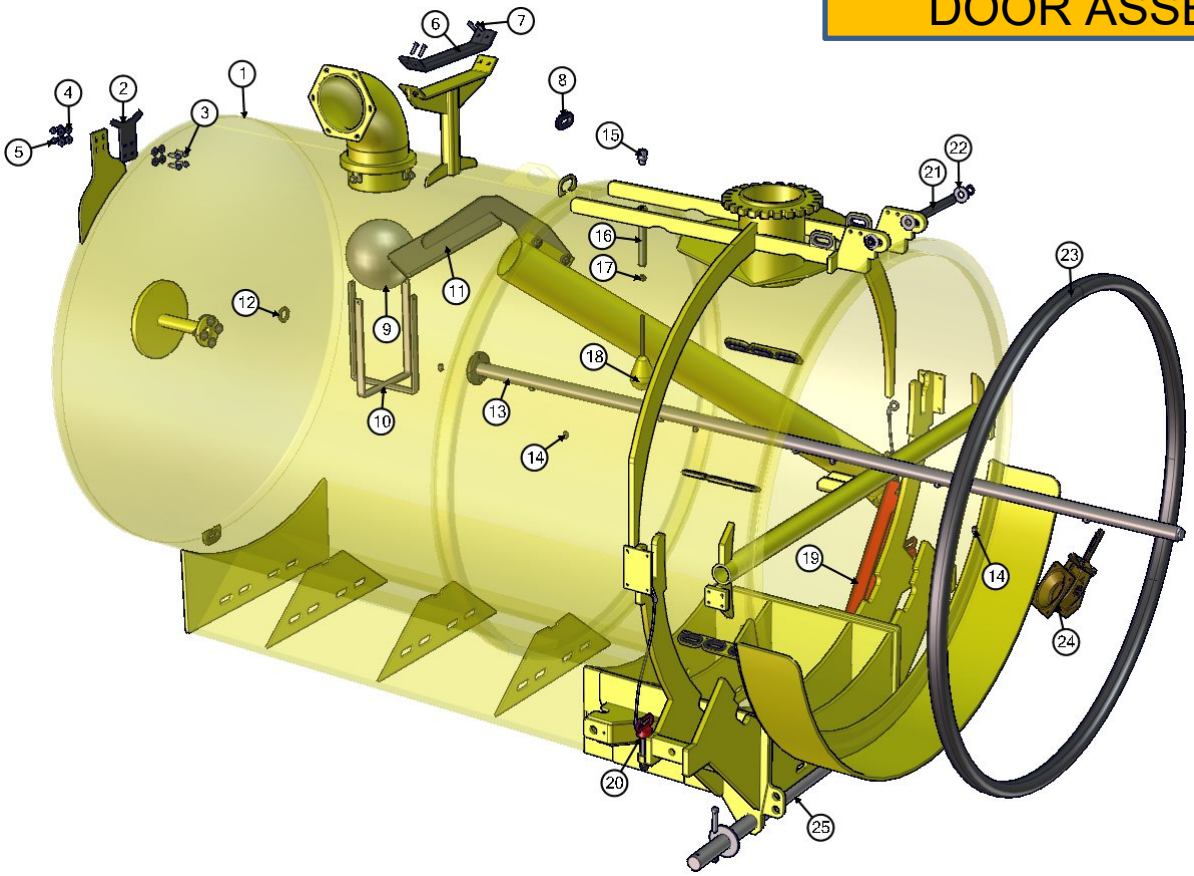
VX200 HYDRAULIC PUMP ASSEMBLY

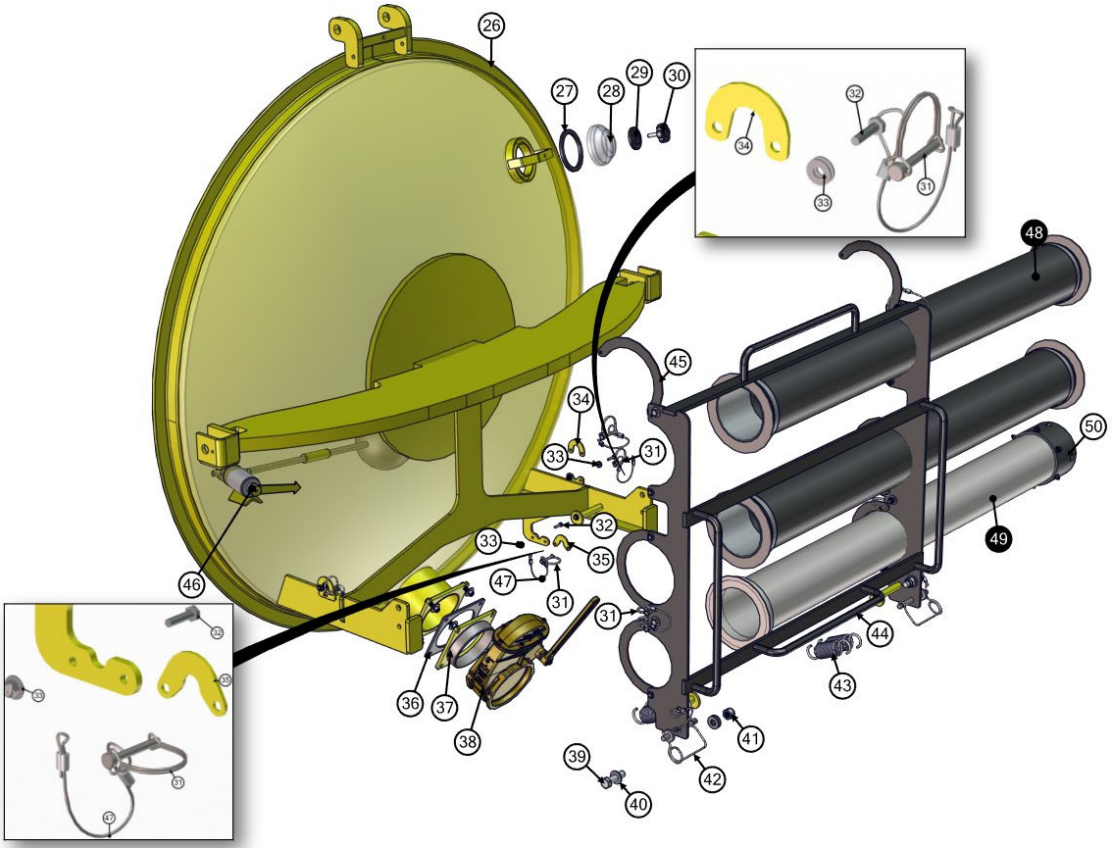


VX200 HYDRAULIC PUMP ASSEMBLY

BOM ID	Qty	Name
1	1	8093054 WELDMENT, TANK HYD 9 GAL.
2	1	T405065 PLUG, 3/4"MP
3	1	4800758 CLEANOUT COVER
4	1	8047330-14 CAP, PLASTIC GRAY
5	1	8047766 HOSE ASSY VAC 8-20" ST-90
6	1	T400240 REDUCER, 16MB-8MJ
7	1	8047456-1 GAUGE, FILTER DIAL
8	1	8047456 FILTER, HYD OIL AUX HYD
9	1	T401228 ELBOW 90 6MJ-6FJ
10	1	T400085 REDUCER 12MP_6MJ
11	1	8092259 PUMP, GEAR 8.4CC CCW DEERE
12	1	8043964 ELBOW, 45 1"HB-3/4"MB
13	1	8042179 HOSE ASSY VAC 6-36" ST-ST
14	1	T300180-30.00 HOSE, WIRE BRAIDED #16-30"LG
15	1	T401260 ELBOW, 90 6MB-8MJ
16	1	8048690-02 MANIFOLD ASSY BOOM LWR (CROSS 3)
17	4	T400550 REDUCER, 6MB-4MJ
18	2	T400037 UNION, 6MB-6MJ
19	1	T401230 ELBOW, 90 4MB-4MJ
20	1	T405200 CAP, 1/4" FJIC HEX HEAD
21	1	T401250 ELBOW, 90 6MB-6MJ
22	1	T402148 TEE, 6MB-6MJ-6MJ
23	1	T401228 ELBOW 90 6MJ-6FJ
28	1	8011058 STRAINER SUCTION 1 1/2"OD X 1"ID
29	1	T420080 ELBOW, STREET 1"MP - 1"FP 90 DEG
30	1	8094275 HOSE CONNECTION PLATE
31	4	T400391 BULKHEAD 6MJ_6MJ
32	2	T400387 BULKHEAD 8MJ_8MJ
33	2	T400385 BULKHEAD 4MJ_4MJ
34	1	8043577 VALVE, GATE 6" W/HYD. CYLINDER DBL ACT

VX200 SPOIL TANK & DOOR ASSEMBLY



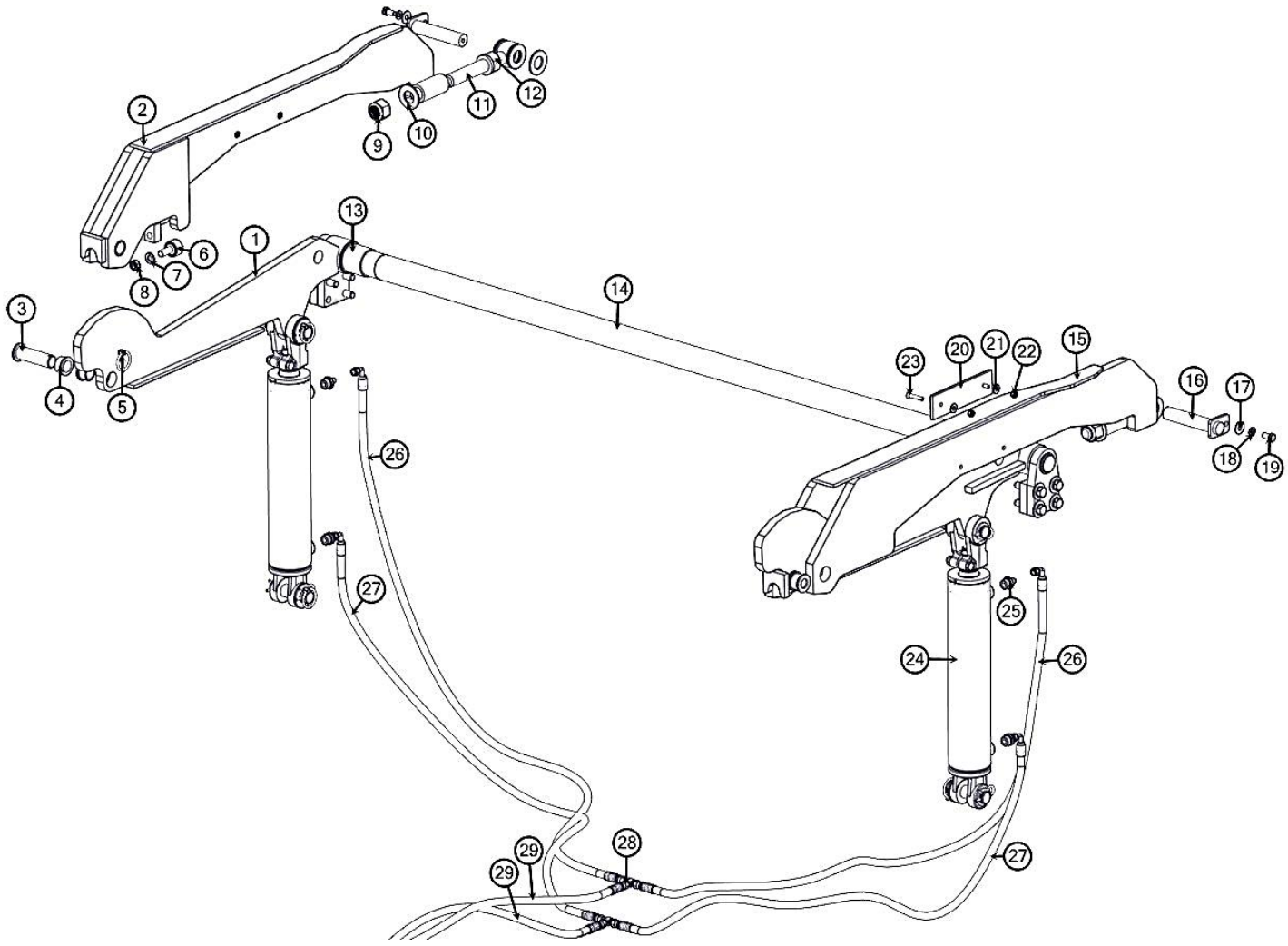


VX200 SPOIL TANK & DOOR ASSEMBLY

BOM ID	Qty	Name	
1	1	8093772	WELDMENT, TANK SPOIL 2000 66"OD
2	1	8092900	FILTRATION SUPPURT CRADLE
3	4	U000460	SCREW, HC .375-16 X 1.50 ZP G5
4	8	U200060	WASHER, FLAT .375 ZP
5	4	U110060	NUT, ST .375-16 ZP G2
6	2	8047711	STRIP, RUBBER BOOM FOOT
7	4	U030018	SCREW, SFH .250-20 X 1.50 Z
8	14	8042812	GROMMET, 2"ID X 3"OD X 1/4"WOG
9	1	8043686	BALL FLOAT 10" STAINLESS
10	1	8092438	CAGE, FLOAT BALL 10"
11	1	8043752	BRACKET, DEFLECTOR
12	1	8030446	O-RING #328 BUNA-N
13	1	8093564	WELDMENT, TANK CLEANOUT
14	5	8030369	NOZZLE, TANK CLEANOUT
15	1	X000113	STRAIN RELIEF 1/2NPT .250-.375
16	1	8040769	TUBE, TANK FULL SWITCH 8"
17	1	8041291	BUSHING, RUBBER 7/8"HEAD X 21/32"BODY
18	1	8030531	SWITCH, FLUID LEVEL
19	1	8044915	TANK SAFETY BRACE
20	1	8041626	PIN HITCH 1" X 4 1/2"LG
21	1	8040058	DOOR HINGE ROD
22	6	U200170	WASHER, FLAT 1.00
23	1	8093728	SEAL, DOOR 66"DIA TANK
24	1	8046215	VALVE, 4" GATE BRASS LEVER FLANGED
25	1	8092765	ROD, TANK PIVOT
26	1	8093596	DOOR, HYD 66" VX200

BOM ID	Qty	Name	
27	1	8032007	GASKET, 4" FLAT ALUM COUPLER
28	1	8031048	SIGHTGLASS, 5" (GLASS ONLY)
29	1	8031047	PLATE, SIGHTGLASS
30	1	8031046	SCREW, HANDWHEEL SIGHTGLASS
31	10	8093706	PIN, LINCH 1/4" X 1 3/4"
32	4	U000060	SCREW, HC .250-20 X 1.00 ZP G5
33	12	U200020	WASHER, FLAT .250 ZP
34	2	8093260	LANCE RETAINER
35	2	8093767	WASH WAND RETAINER
36	1	8046191	GASKET, DOOR INLET/OUTLET
37	1	8046199	GATE VALVE TANK FLANGE 6"
38	1	8030849	VALVE, 6" GATE BRASS LEVR TYPE
39	2	U001210	SCREW, HC .625-11 X 2.25 ZP G5
40	6	U200140	WASHER, FLAT .625 ZP
41	2	U120020	NUT,LOCK NY, .625-11 ZP G2
42	2	8093705	PIN, LINCH 1/2" X 3 1/2" W/WIRE LOCK
43	4	8093365	SPRING, 1.75 X 6"
44	1	8093688	WELDMENT, TOOL RACK BOOM 6"
45	8	8093664	HOSE RETAINER 6"
46	1	8092325	GAUGE, SPOIL FLOAT
47	4	8093703	CABLE, LANYARD DOUBLE-DOUBLE 11"LG
48	2	8093704	ASSEMBLY, BOOM EXTENSION 6"
49	1	8093709	ASSEMBLY, TOOL SUCTION 6"
50	1	8093711	TUBE, SUCTION TOOL END 4"

VX200 HYDRAULIC ARM ASSEMBLY

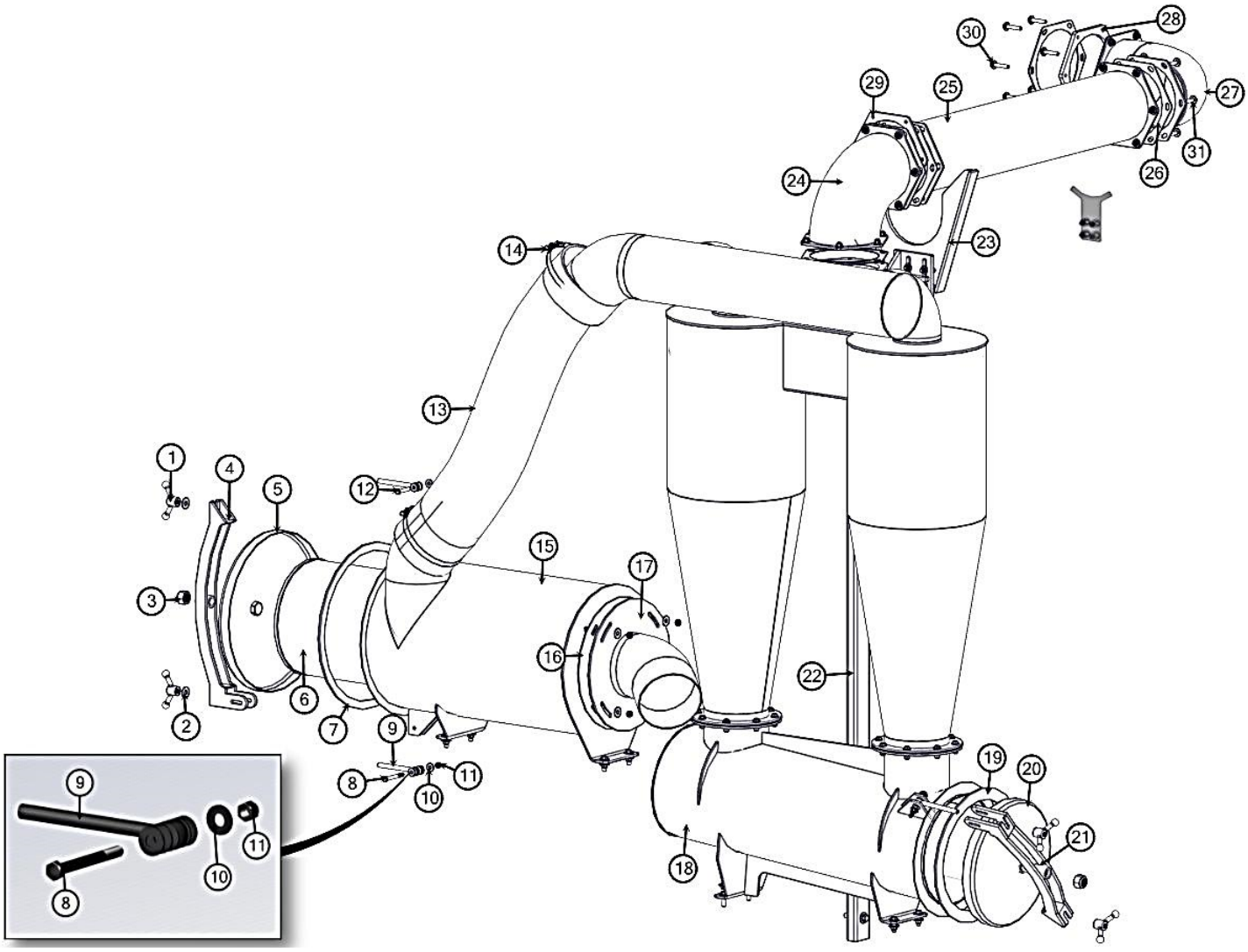


VX200 HYDRAULIC ARM ASSEMBLY

BOM ID	Qty	Name	
1	1	8047958	LINKAGE ARM SHORT (RIGHT) WELDMENT
2	1	8044867	LINKAGE ARM LONG (CURB) WELDMENT
3	6	8042489	CYLINDER PIN
4	8	8041883	BUSHING BRONZE 1.25 X 1.00 X .63 FL
5	6	U340050	PIN LINCH 3/16 X 1 9/16 ZP
6	2	W000020	BEARING, CAMROL 1.25"
7	2	U210100	WASHER, LOCK .500 ZP
8	2	U160015	NUT, JAM .500-20
9	2	U120060	NUT, LOCK 1.00-8 NY ZP G2
10	12	U200170	WASHER, FLAT 1.00
11	2	8043131	ROD END 1"-8 X 7 1/2"LG
12	2	U100240	NUT, HEX 1.00-8 ZP G2
13	2	8041602	BUSHING BRONZE 2.25 X 2.00 X 2.00 FL
14	1	8093597	LINKAGE CROSS TUBE WELDMENT
15	1	8044868	LINKAGE ARM LONG (STREET) WELDMENT
16	2	8043844	CYLINDER PIN FLANGED 1" X 5 1/2"LG
17	2	U200060	WASHER, FLAT .375 ZP
18	2	U210060	WASHER, LOCK .375 ZP
19	2	U000400	SCREW, HC .375-16 X .75 ZP G5
20	2	8047449	PLASTIC STRIP HYD DOOR GUIDE
21	4	U200020	WASHER, FLAT .250 ZP
22	4	U120000	NUT, LOCK NY .250-20 ZP G2
23	4	U030018	SCREW, SFH .250-20 X 1.50 ZP
24	2	8092326	CYLINDER, HYD 3" X 12"
25	4	T400611	REDUCER, 8MB-4MJ
26	2	8044763	HOSE ASSY VAC 4-60" ST-90
27	2	8093184	HOSE ASSY VAC 4-55" ST-90
28	2	T402035	TEE 4MJ_4MJ_4MJ
29	2	8042354	HOSE ASSY VAC 4-160" ST-ST

*NOT SHOWN
2 - 8090251 FITTING, ORFICE 0.020 4MB-4MJ

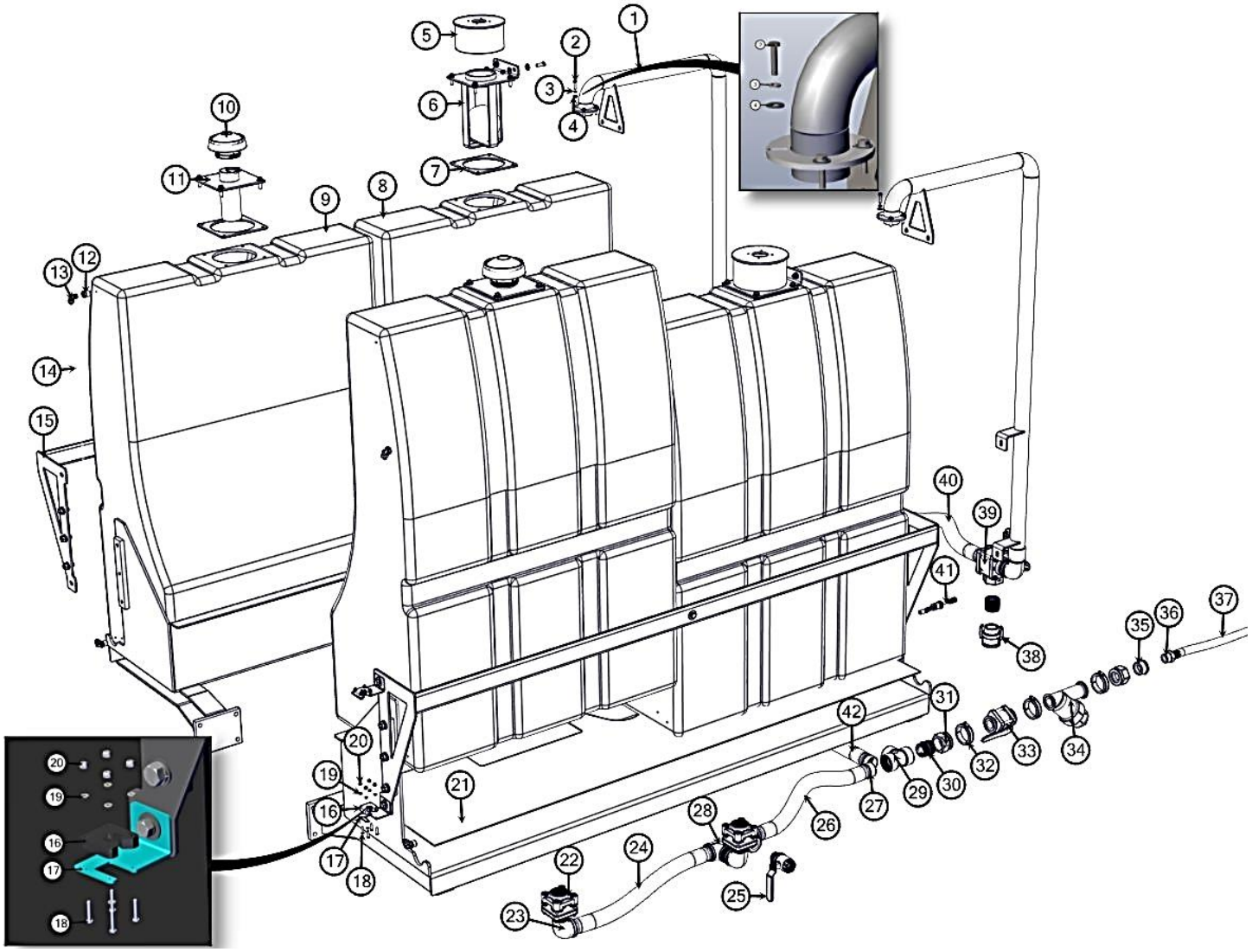
VX200 FILTRATION ASSEMBLY



VX200 FILTRATION ASSEMBLY

BOM ID	Qty	Name	
1	4	8041594	HANDLE, WING REV FLOW CYC/FILTER
2	2	U200100	WASHER, FLAT .500 ZP
3	2	U120060	NUT, LOCK 1.00-8 NY ZP G2
4	1	8092007	LATCH, AIR FILTER 3000 CFM SINGLE
5	1	8092009	DOME, AIR FILTER 3000 CFM SINGLE
6	1	8092258	FILTER, AIR 14.5 X 32
7	1	8092008	GASKET, AIR FILTER HD VX200
8	2	U000580	SCREW, HC .375-16 X 3.50 ZP G5
9	4	8041593	BOLT, EYE 1/2-13 X 6"
10	20	U200060	WASHER, FLAT .375 ZP
11	4	U120110	NUT, LOCK .375-16 NY ZP
12	2	U000520	SCREW, HC .375-16 X 2.25 ZP G5
13	1	8093023	HOSE VAC AG SUCTION 8" X 54 1/2"LG
14	2	8092896	CLAMP, T-BOLT 8" HOSE
15	1	8092282	AIR FILTER 3000 CFM SINGLE
16	1	8092815	GASKET, AIR FILTER OUTLET
17	1	8092661	WELDMENT, AIR FILTER OUTLET
18	1	8091639	CYCLONE ASSEMBLY 3000 CFM
19	1	8041612	GASKET, REV FLOW CYCLONE
20	1	8041402	DOME, CYCLONE REV FLOW
21	1	8041552	LATCH, CYCLONE DOME REV FLOW
22	1	8092843	BRACE, REC TUBE (CYCLONE)
23	1	8093047	WELDMENT, FILTRATION SUPPORT
24	1	8092431	FILTRATION ELBOW WELDMENT 2
25	1	8092888	WELDMENT, PIPE FILTRATION LONG
26	6	8092436	GASKET, FILTRATION CONNECTION
27	1	8092430	FILTRATION ELBOW WELDMENT 1
28	2	8092892	FILTRATION SPACER PLATE
29	1	8092916	FILTRATION CONNECTION PLATE
30	12	U000520	SCREW, HC .375-16 X 2.25 ZP G5
31	12	U000460	SCREW, HC .375-16 X 1.50 ZP G5

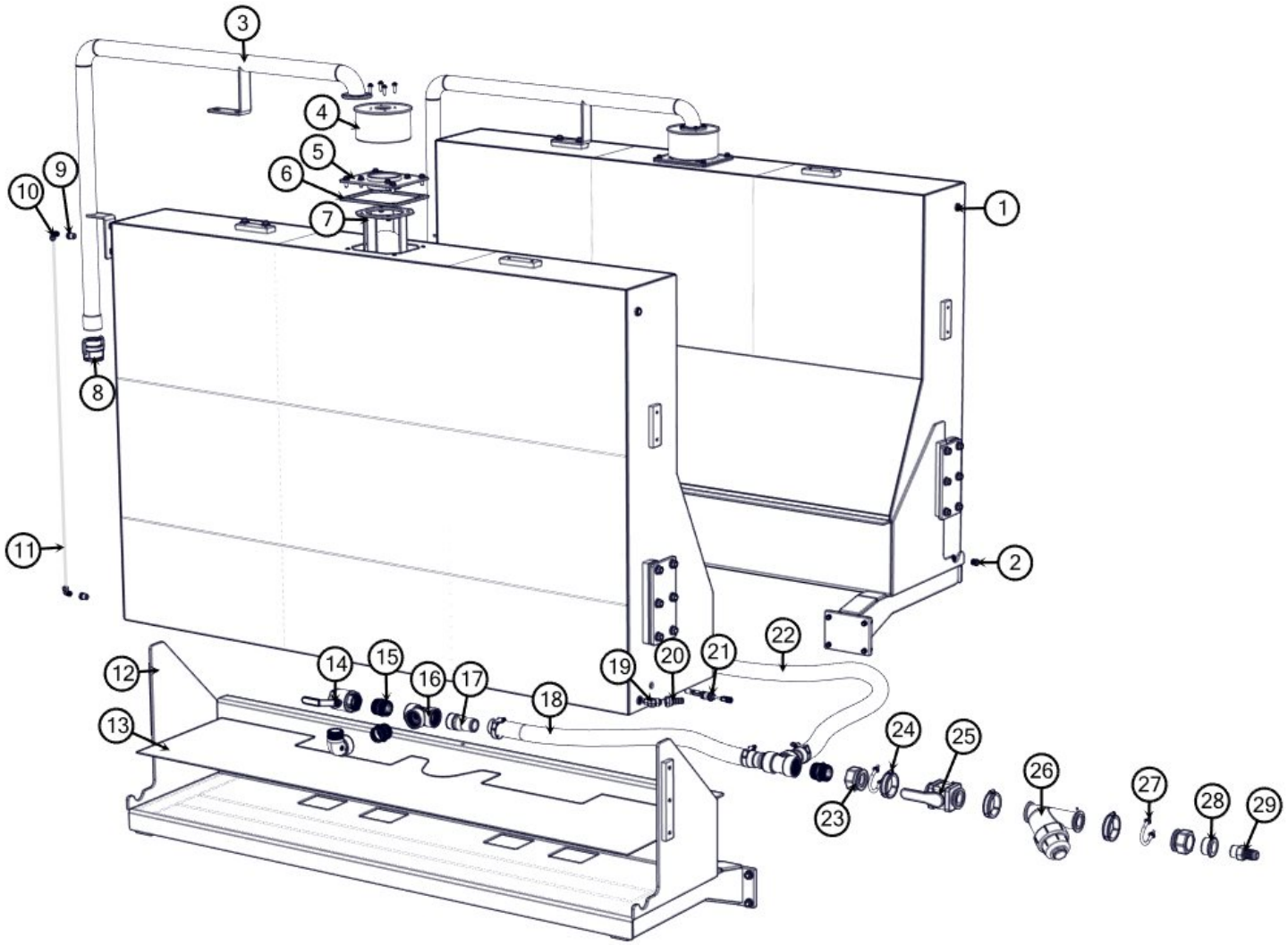
VX200 WATER TANK ASSEMBLY



VX200 WATER TANK ASSEMBLY

BOM ID	Qty	Name
1	2	8094480 QUICKFILL 200 GALLON WELDMENT
2	8	U000080 SCREW, HC .250-20 X 1.25 ZP G5
3	8	U210020 WASHER, LOCK .250 ZP
4	8	U200020 WASHER, FLAT .250 ZP
5	2	8094105 QUICKFILL ATTACHMENT WELDMENT
6	2	8094485 FLOAT BALL ASSEMBLY
7	4	8094558 GASKET, SADDLE TANK CHECK VALVE
8	1	8094439 TANK, WATER RIBBED POLY 400 GALLON
9	1	8094439 TANK, WATER RIBBED POLY 400 GALLON
10	2	8091506-01 CAP, AIR IN-TAKE
11	2	8094462 WELDMENT, WATER TANK VENT
12	4	T400024 ADAPTER STR -8MP -6FP STEEL GALV
13	4	T320310 6HOSE_6MP
14	2	8093015-056.00 TUBE, VINYL 3/8"ID X 1/2"OD X 56"
15	2	8094466 BRACE, WATER TANK WELDMENT
16	2	8094246 GRIPPER, WAND/LANCE
17	2	8094606 TOOL HOLDER PLATE
18	8	U030794 SCREW, PAN HD PHIL #8-32 X 1.00
19	16	U030801 WASHER, FLAT #8
20	8	U030800 NUT, LOCK NY #8-32
21	2	8094135 STRIP, ISOLATOR SADDLE TANK
22	4	8049750 BULKHEAD, 2" BOT. DRAIN BANJO
23	6	T420125 ELBOW, STREET 2"MP-2"FP 90 DEG
24	2	8043398-030.00 HOSE VAC CLEAR VINYL 2-30"
25	2	8045813 VALVE, BALL 1 1/4" M X F BRASS
26	1	8043398-027.00 HOSE VAC CLEAR VINYL 2-27"
27	8	T410115 FITTING, 2"MNPT X 2"BARB STEEL
28	4	8094550 TEE, 2"NPT BLACK IRON
29	1	8090204 FITTING, TEE 2" BANJO
30	6	8030409 NIPPLE, CLOSE 2" SCHD 40 IRON
31	2	8030996 MANIFOLD, 2" BANJO FEMALE ADAPT
32	3	8031000 CLAMP, 2" BANJO WORM
33	1	8030998 VALVE, 2" BALL-MANIFOLD
34	1	8031001 STRAINER, Y 2" FLANGE 80 MESH
35	1	8043843 REDUCER, 2"MP X 1 1/4"FP GALV
36	1	8041312 FITTING, 1 1/4"MP - 1 1/4"HB
37	1	8043076 HOSE VAC CLEAR VINYL 1 1/4-37"
38	1	8031219 COUPLING, 2" ALUM MP X FCAMLOCK
39	1	8094548 VALVE, 3-WAY 2"NPT BANJO
40	1	8046676-069.00 HOSE AG SUCTION 2-69"LG
41	2	8090896 SWITCH, WATER LEVEL (HORIZ)
42	1	8043398-058.00 HOSE VAC CLEAR VINYL 2-58"LG

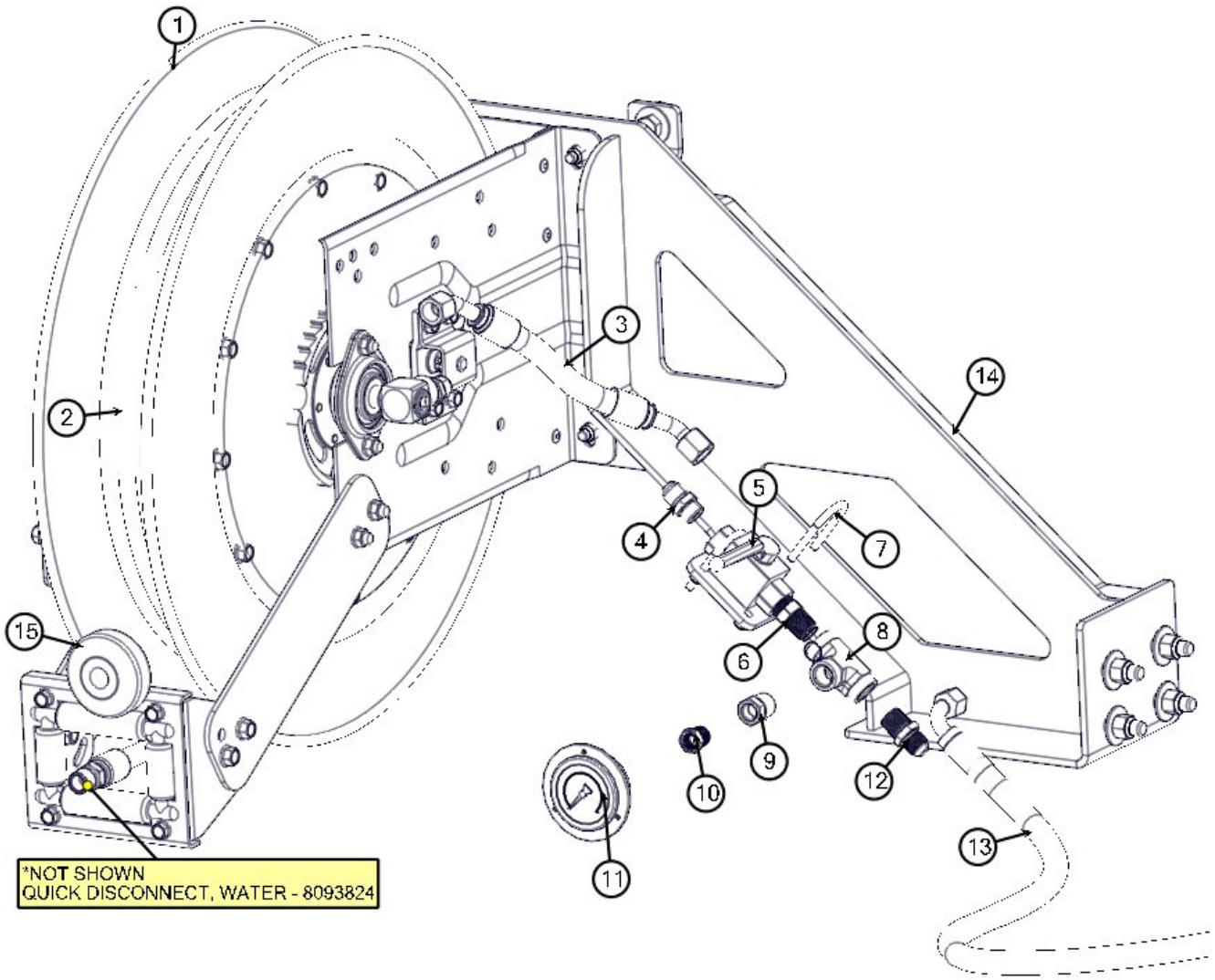
VX200 WATER TANK ASSEMBLY



VX200 WATER TANK ASSEMBLY

BOM ID	Qty	Name
1	2	8093820 TANK, WATER 400 GALLON
2	3	T405062 PLUG, 1/2" NPT HEX SOCKET HD
3	2	8093821 WELDMENT, QUICKFILL 400 GAL
4	2	8094105 WELDMENT, QUICKFILL ATTACHMENT
5	2	8092757 WELDMENT, FLANGE SADDLE TANK
6	2	8092760 GASKET, INLET SADDLE TANK
7	2	8092764 ASSEMBLY, FLOAT BALL SADDLE TN
8	2	8031219 COUPLING, 2" ALUM MP X FCAMLOCK
9	4	T400024 ADAPTER STR -8MP -6FP STEEL GALV
10	4	T320310 6HOSE_6MP
11	2	8093015-050.00 TUBE, VINYL 3/8"ID X 1/2"OD
12	2	8092650 SADDLE TANK ATTACHMENT
13	2	8094135 STRIP, ISOLATOR SADDLE TANK
14	2	8090233 VALVE, BALL 2" W/LEVER HANDLE
15	4	8093019 FITTING, NIPPLE PIPE 2" SHORT
16	3	8090204 FITTING, TEE 2" BANJO
17	4	T410115 FITTING, 2"MNPT - 2"BARB STEEL
18	1	8043398-050.00 HOSE VAC CLEAR VINYL 2"- 50"LG
19	1	T401561 ELBOW, 45 1/2"MP - 3/4"MJ
20	1	8030525 FITTING, PUSHLOK #12
21	1	8090896 SWITCH, WATER LEVEL (HORIZ)
22	1	8043398-091.00 HOSE VAC CLEAR VINYL 2" - 91"LG
23	2	8030996 MANIFOLD, 2" BANJO FEMALE ADAPTOR
24	3	8031000 CLAMP, 2" BANJO WORM
25	1	8030998 VALVE, 2" BALL-MANIFOLD
26	1	8031001 STRAINER, Y 2" FLANGE 80 MESH
27	2	8031373 CLAMP, U-BOLT 2.5" EXHAUST
28	1	8043843 REDUCER, 2"MP - 1 1/4"FP GALV
29	1	8041312 FITTING, 1 1/4"MP - 1 1/4"HB

VX200 WATER REEL ASSEMBLY

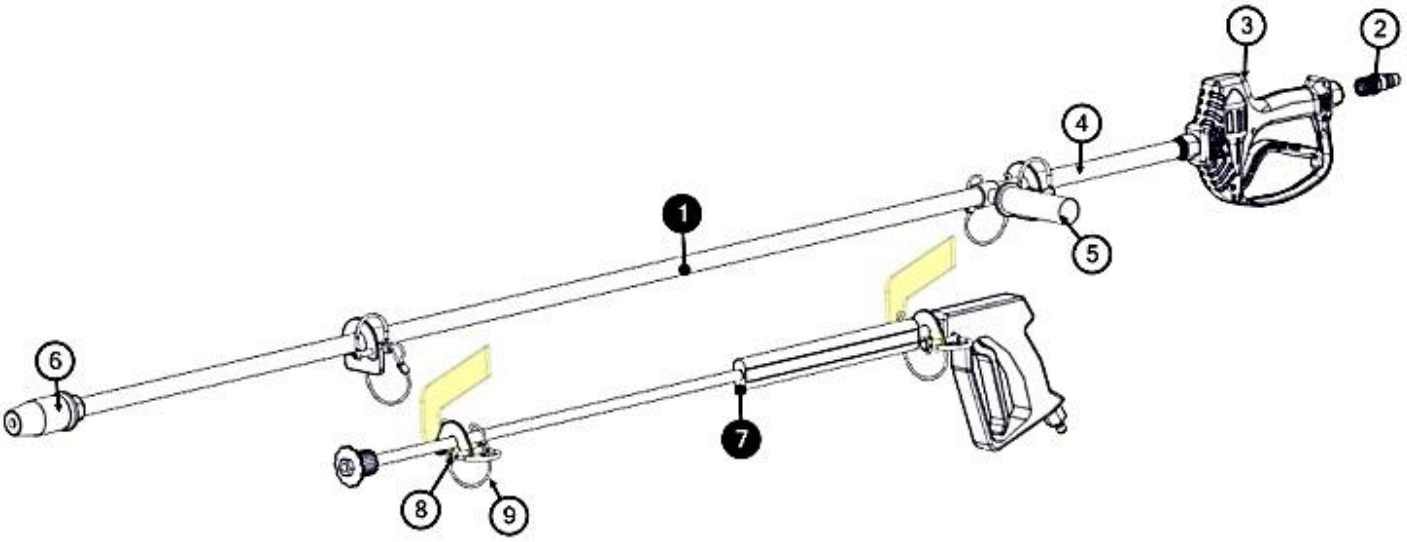


VX200 WATER REEL ASSEMBLY

BOM ID	Qty	Name
1	1	8092722 REEL ONLY SPRGDRVN 1/2" X 75'
2	1	8094735 HOSE, REEL 1/2"-75'
3	1	Tube_28-8093768-001
4	1	T400140 UNION, 8MB-8MJ
5	1	8031197 VALVE, BALL 1/2" 3000 PSI MIN
6	1	T404020 UNION, 8MP-8MP
7	2	U010017 U-BOLT, .250-20
8	1	T402130 TEE, 8FP-8FP-8FP
9	1	T400024 REDUCER, 1/2"MP-3/8"FP
10	1	T400023 REDUCER, 6MP-4FP
11	1	8030372 GAUGE, 5000 PSI 2.5"LF CBM
12	1	T400040 UNION, 8MP-8MJ
13	1	8094533 HOSE ASSY VAC 8-210" ST-90
14	1	8094450 VERTICAL WATER REEL MOUNT WELDMENT
15	1	8094854 BALL STOPPER 3/8"-100' REEL

*NOT SHOWN
1 - 8093824 FITTING, QD WATER 1/2"F - 1/2"FP

VX200 TOOLS ASSEMBLY



BOM ID	Qty	Name	
1	1	8093810	LANCE ASSEMBLY 72"
2	1	8093823	FITTING, QD WATER 1/2"M-1/2"MP
3	1	8093263	GUN, LANCE
4	1	8093261	ROD, LANCE
5	1	8093262	HANDLE, LANCE
6	1	8093109	NOZZLE, TURBO 1/2"FPT
7	1	8094780	VAC TOOL WASH WAND COMPLETE
8	4	8093706	PIN LINCH 1/4" X 1 3/4" W/WIRE LOCK
9	4	8093703	CABLE, LANYARD 11"LG

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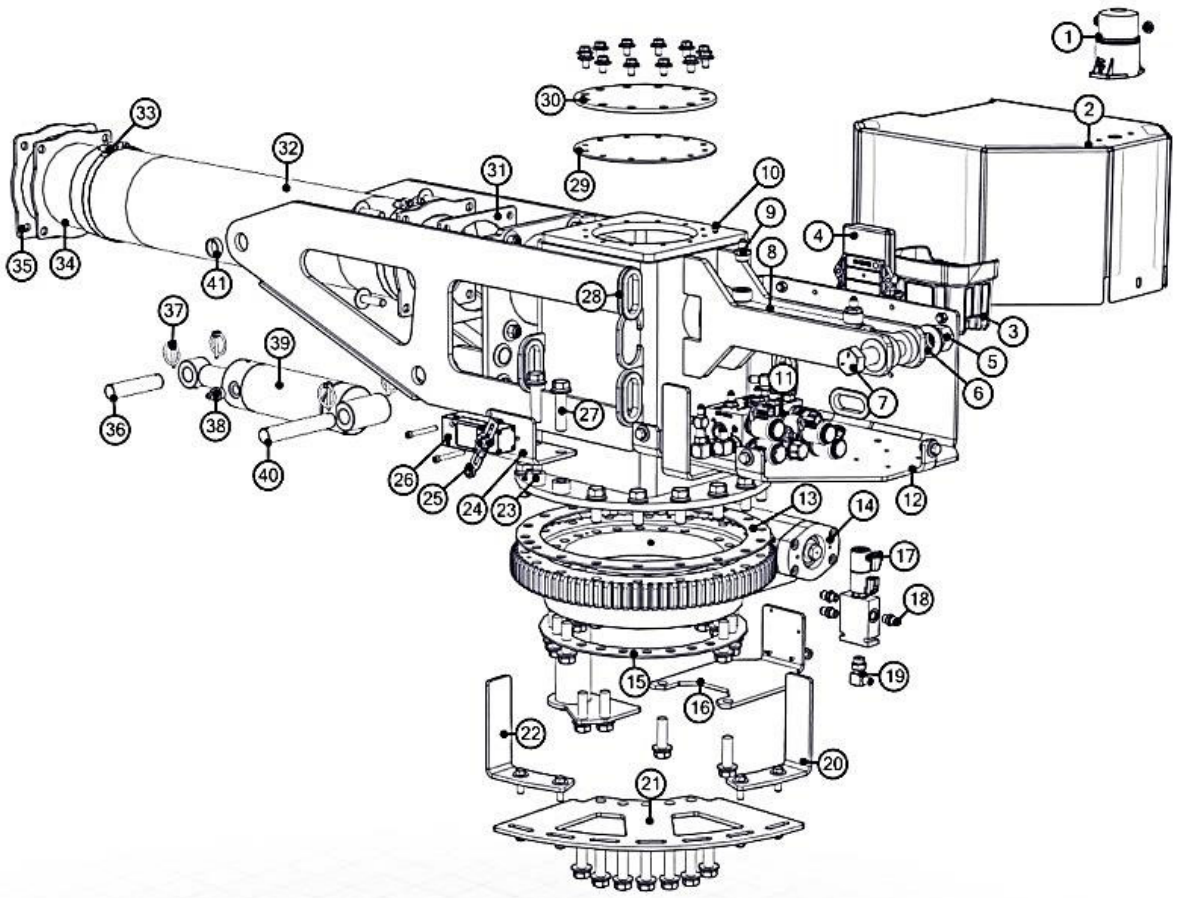
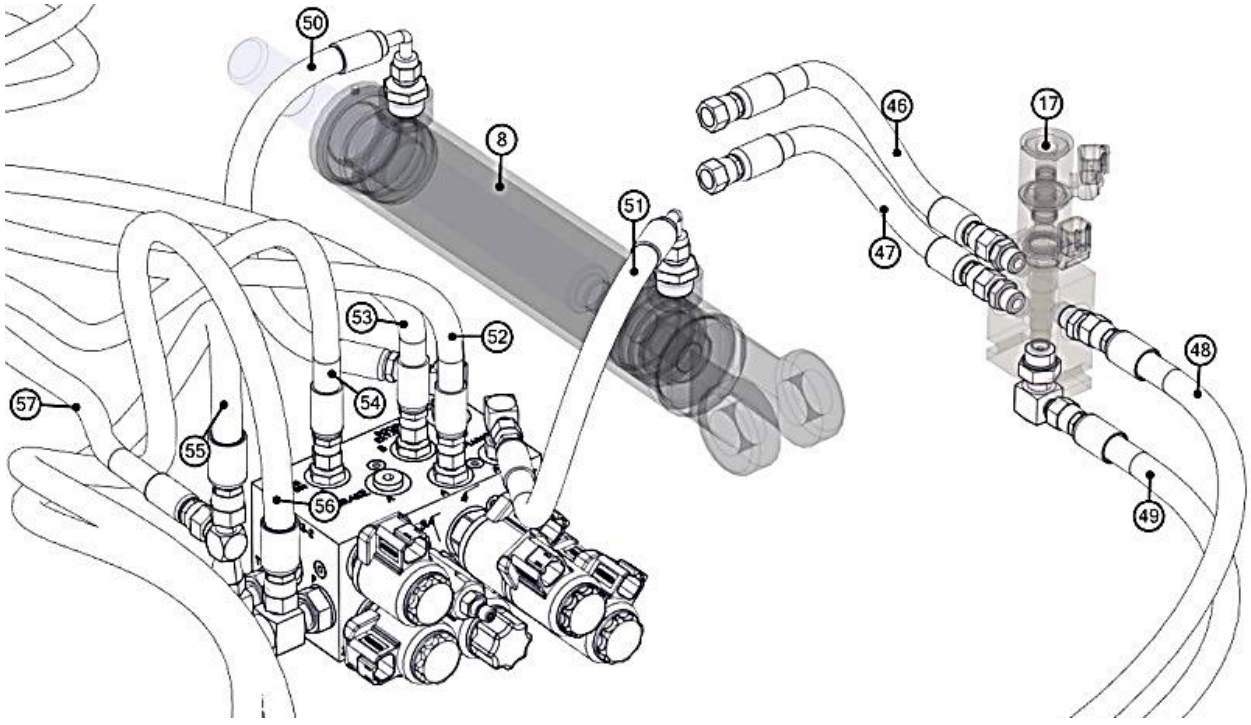
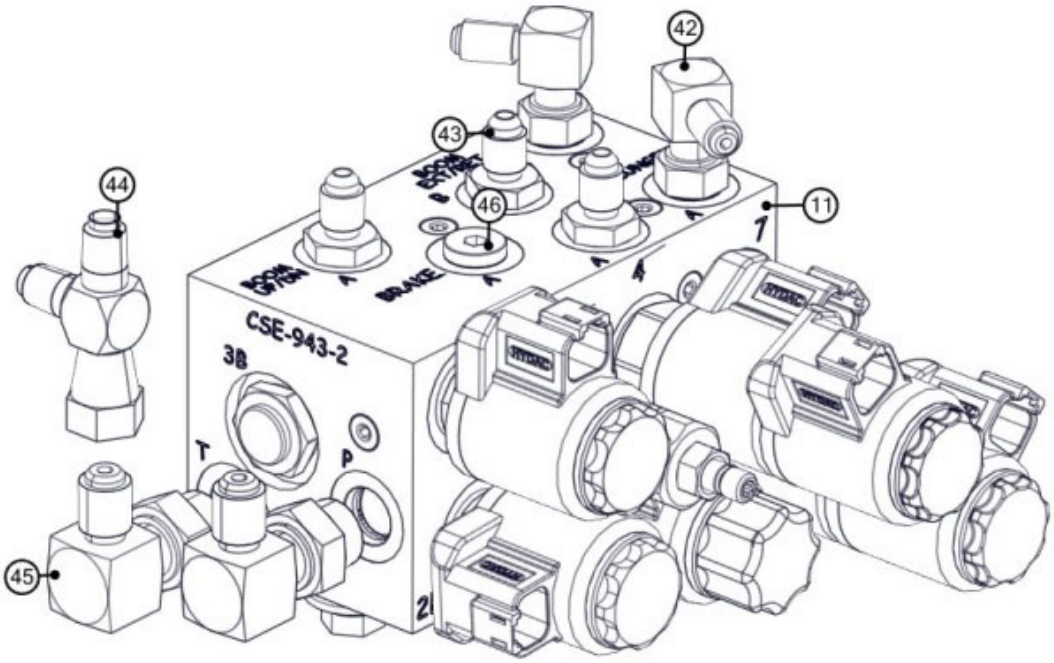
VX200 BOOM TURRET ASSEMBLY





VX200 BOOM TURRET ASSEMBLY

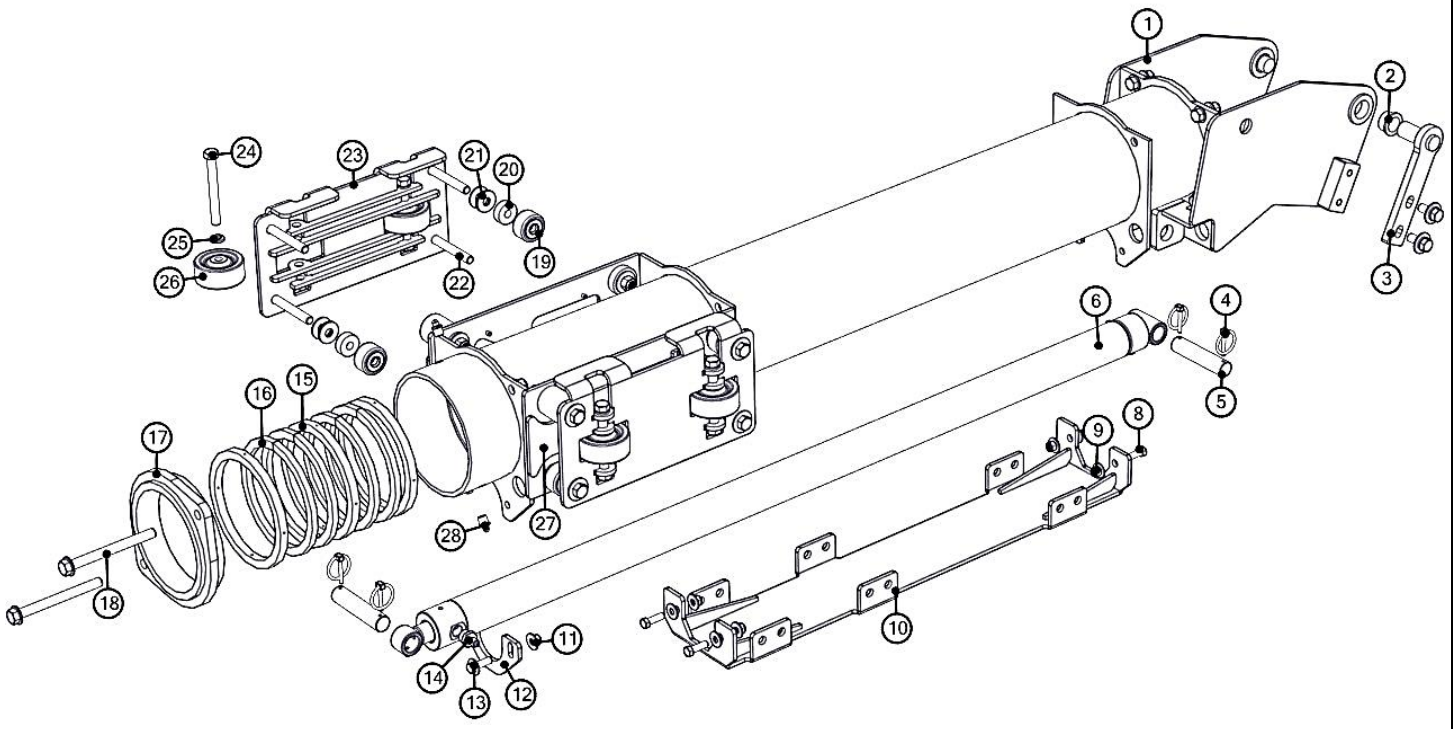


BOM ID	Qty	Name	
1	1	8043139	LIGHT STROBE LED DEUTSH
2	1	8094006	WELDMENT, BOOM COVER (NO SWITCH)
3	1	8094018	TRANSMITTER, MINI MBT BOOM 6"
4	1	8094017	RECEIVER, CAN2 BOOM 6"
5	1	U120060	NUT, LOCK 1.00-8 NY ZP G2
6	2	U200170	WASHER, FLAT 1.00
7	1	U001570	SCREW, HC 1.00-8 X 5.00 ZP
8	1	8048198	CYLINDER, HYD BOOM GATE VALVE
9	2	T400611	REDUCER, 8MB-4MJ
10	1	T500030	FITTING, GREASE .125 NPT STR
11	1	8047331	MANIFOLD ASSY BOOM UPPER (CROSS 2)
12	1	8048371	BOOM TURRET HYD ROT
13	1	8043780	GASKET, BOOMBRG TOP BIG 16.5"
14	1	8042231	BEARING, BOOM HYD ROT ASSY
15	1	8043781	GASKET BOOMBRG BOT SMALL 13.5"
16	1	8042344	BOOM HYD MANIFOLD MTG PLATE
17	1	8094016	MANIFOLD, HYD BOOM 6" ASSEMBLY
18	3	T400037	UNION, 6MB-6MJ
19	1	T401250	ELBOW, 90 6MB-6MJ
20	1	8042359	BOOM ROTATION STOP BRACKET OPP
21	1	8042351	BOOM ROTATION STOP BASE PLATE
22	1	8042357	BOOM ROTATION STOP BRACKET
23	2	8042376	SPACER, LIMIT SWITCH BRACKET
24	1	8042360	BRACKET, BOOM LIMIT SWITCH
25	1	8042432	SWITCH, LIMIT BOOM ADJ LEVER
26	1	8042431	SWITCH LIMIT BOOM
27	2	U001240	SCREW, HC .625-11 X 2.75 ZP G5
28	5	8042812	GROMMET, 2"ID X 3"OD X 1/4"WOG
29	1	8044475	GASKET, BOOM TURRET CLEANOUT

BOM ID	Qty	Name	
30	1	8044471	COVER CLEANOUT BOOM TURRET LP
31	1	8046191	GASKET, DOOR LE INLET/OUTLET
32	1	Tube-6500X250^Tube_1-8093843-1	
33	2	8042104	CLAMP, HOSE T-BOLT 675
34	2	8041958	BOOM FLEX HOSE ADAPTER WLDMT
35	1	8093094	GASKET, BOOM FLANGE 8 1/4"
36	1	8041990	BOOM PIVOT CYL ROD PIN
37	4	U340050	PIN LINCH 3/16 X 1 9/16 ZP
38	2	T400611	REDUCER, 8MB-4MJ
39	1	8046597	CYLINDER, HYD BOOM 3 X 6"
40	1	8041977	BOOM PIVOT CYL BASE PIN
41	2	8094000	BUSHING, BRONZE 1.25 X 1.00 X .375
42	2	T401240	ELBOW, 90 3/8"MB(ADJ) - 1/4"MJ
43	3	T400550	REDUCER, 6MB-4MJ
44	1	T402153	TEE, 6FJ-6MJ-6MJ
45	2	T401250	ELBOW, 90 6MB-6MJ
46	1	8049406	HOSE ASSY AVC 6 - 9 1/2" ST-90
47	1	8049405	HOSE ASSY AVC 6 - 8 1/2" ST-90
48	1	8048653	HOSE ASSY VAC 6 - 38" ST-90
49	1	8043664	HOSE ASSY VAC 6-36" ST-90
50	1	8047949	HOSE ASSY VAC 4-11" ST-90
51	1	8047948	HOSE ASSY VAC 4-9" ST-90
52	1	8049374	HOSE ASSY VAC 4-120" ST-90
53	1	8047714	HOSE ASSY VAC 4-38" ST-90
54	1	8047951	HOSE ASSY VAC 4-95" ST-90
55	1	8044133	HOSE ASSY VAC 6-120" ST-ST
56	1	8044133	HOSE ASSY VAC 6-120" ST-ST
57	1	8047714	HOSE ASSY VAC 4-38" ST-90

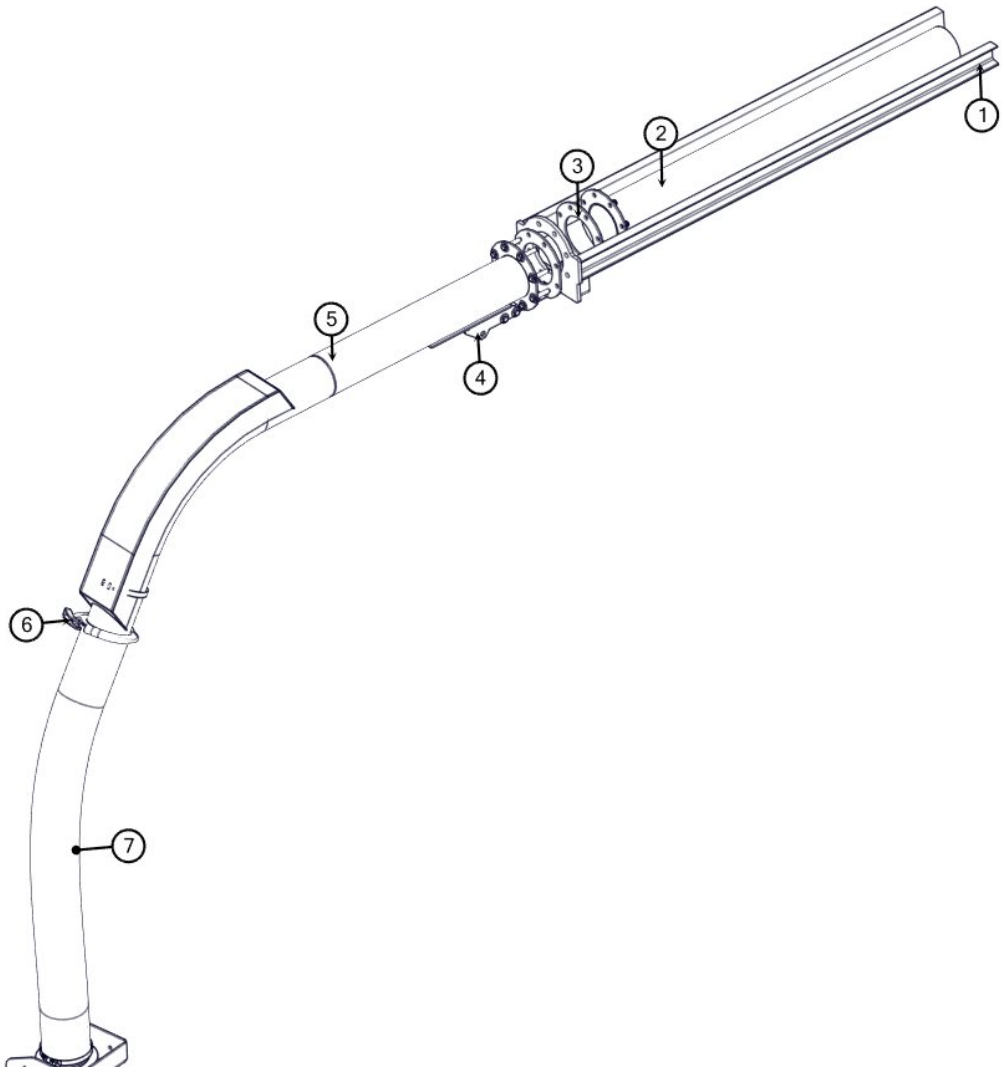
*NOT SHOWN:
HARNESS, BOOM VX200 - X200201

VX200 BOOM PIVOT ARM ASSEMBLY



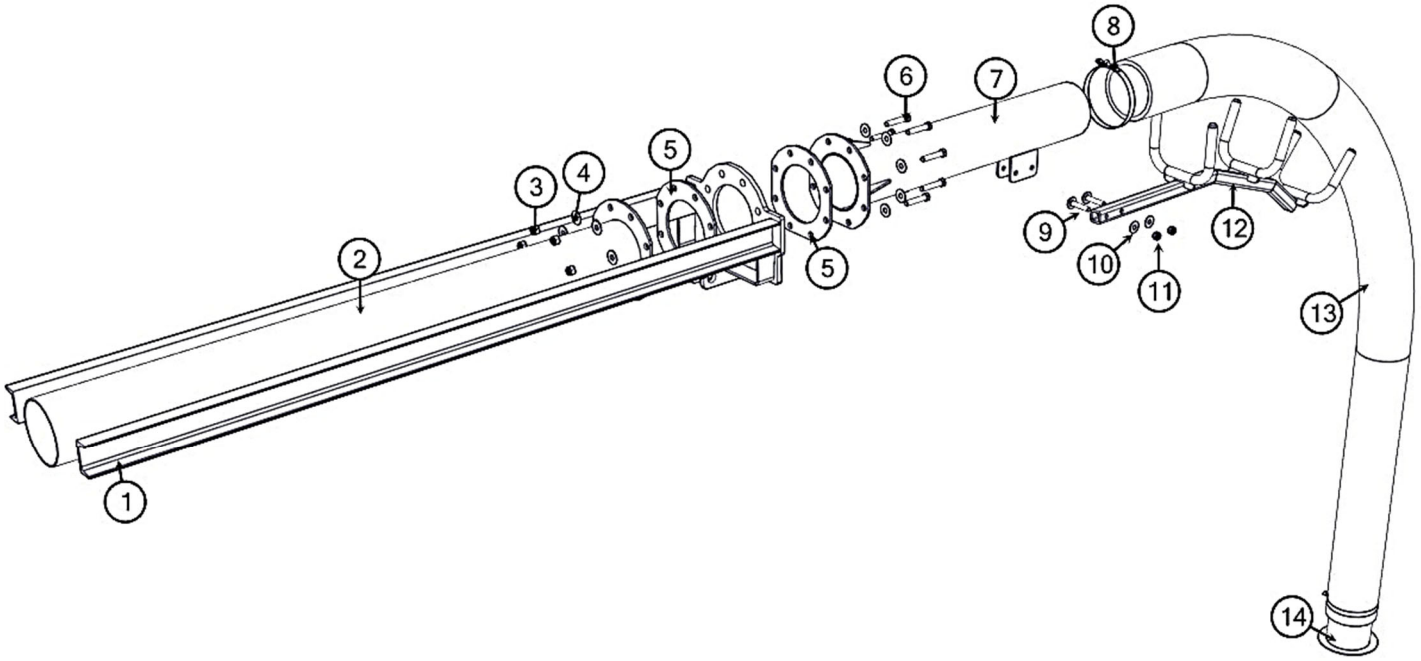
BOM ID	Qty	Name	
1	1	8091426	WELDMENT, BOOM 6" PIVOT ARM
2	2	8041883	BUSHING, BRONZE 1.25 X 1.00 X .63 FL
3	2	8046634	BOOM PIVOT PIN LP
4	4	U340050	PIN LINCH 3/16 X 1 9/16 ZP
5	2	8041990	BOOM PIVOT CYL ROD PIN
6	1	8041926	CYLINDER, HYD BOOM 2" X 48"
8	4	U000440	SCREW, HC .375-16 X 1.25 ZP G5
9	4	U110060	NUT, ST .375-16 ZP G2
10	1	8093033	WELDMENT, BOOM FOOT
11	2	U110060	NUT, ST .375-16 ZP G2
12	1	8041956	BOOM PIVOT ARM CYLINER RET PLATE
13	2	U000440	SCREW, HC .375-16 X 1.25 ZP G5
14	2	T400611	REDUCER, 8MB-4MJ
15	3	8092142	SLEEVE, PLASTIC 6" BOOM
16	4	8092143	BOOM, 6" PACKING RING
17	1	8091441	WELDMENT, PACKING GLAND 6" BOOM
18	2	U001020	SCREW, HC .500-13 X 5.50 ZP G5
19	4	W000055	BEARING, CAMROL 1.75 X 1.00 X .50
20	4	8046624	BOOM CAM ROLLER SPACER
21	4	U200100	WASHER, FLAT .500 ZP
22	8	U000960	SCREW, HC .500-13 X 4.00 ZP G5
23	2	8046627	BOOM EXTENSION ARM CAPTURE LP
24	4	U000980	SCREW, HC .500-13 X 4.50 ZP G5
25	4	U210100	WASHER, LOCK .500 ZP
26	4	8030226	WHEEL PLASTIC FLUIDSWEEPER
27	2	8091624	SHEET, GLIDE BOOM PIVOT ARM
28	2	T500100	FITTING, GREASE .250 NPT STR

VX200 BOOM EXTENSION ARM ASSEMBLY



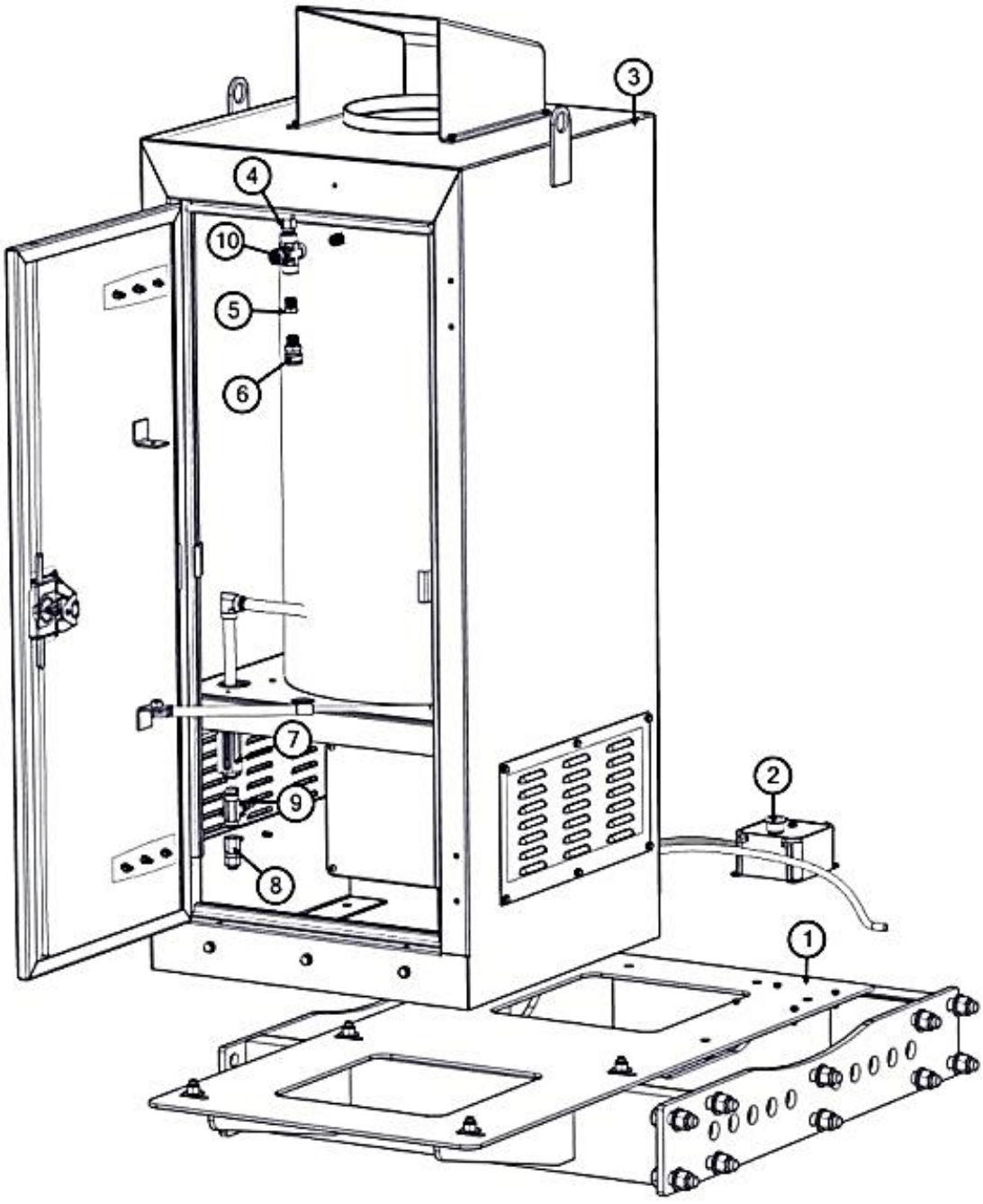
BOM ID	Qty	Name	
1	1	8047655	BOOM - EXTENSION ARM WELDMENT
2	1	8092375	WELDMENT, BOOM EXTENSION TUBE
3	2	8092939	GASKET, BOOM
4	1	8091620	WELDMENT, PIVOT END 6" BOOM
5	1	8093388	WELDMENT, BOOM EXTENSION 6"
6	1	8092944	CLAMP, QUICK 6"
7	1	8093704	ASSEMBLY, BOOM EXTENSION 6"

VX200 BOOM EXTENSION ARM ASSEMBLY



BOM ID	Qty	Name
1	1	8095779 WELDMENT, BOOM 6" EXTENSION
2	1	8092375 WELDMENT, BOOM EXTENSION
3	8	U160018 NUT, LOCK .500-13 NY ZP
4	16	U200100 WASHER FLAT .500 ZP
5	2	8092939 GASKET, BOOM
6	8	U000920 SCREW, HC .500-13 X 2.75 ZP G5
7	1	8095782 WELDMENT, BOOM 6" EXTENSION LG
8	2	8043198 CLAMP HOSE T-BOLT 700
9	2	U000920 SCREW, HC .500-13 X 2.75 ZP G5
10	4	U200100 WASHER FLAT .500 ZP
11	2	U160018 NUT, LOCK .500-13 NY ZP
12	1	8097041 WELDMENT, CRADLE BOLT-ON
13	1	8096849-120.00 HOSE, MATERIAL HANDLING, 6" X 120" LONG
14	1	8093018 WELDMENT, BOOM HOSE CONNECTION

VX200 HOTBOX ASSEMBLY



VX200 HOTBOX ASSEMBLY

BOM ID	Qty	Name
1	1	8093747 WELDMENT, SKID HOTBOX VX200
2	1	8093136-01 HOTBOX ESTOP
3	1	8093136 HOTBOX, DYNABLAST 420K
4	1	8093136-02 HIGH LIMIT (110C)
5	1	8093136-03 BUSHING, 1/2" X 3/8"
6	1	8093136-04 QUICK COUPLER, FEMALE 3/8"
7	1	8093136-05 FLOW SWITCH
8	1	8093136-06 QUICK COUPLER, MALE 3/8"
9	1	8093136-07 RELIEF VALVE
10	1	8093136-10 TEMPERATURE SENSOR RTD

*NOT SHOWN		
8093136-08	1	IGNITER
8093136-09	1	COIL
8093136-10	1	ELECTRODE KIT
X200204	1	HARNESS, HOTBOX

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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

DATE	SERVICE PERFORMED	BY

Notes

FOR SCHEMATICS SEE: www.mclaughlinunderground

CALIFORNIA
Proposition 65 Warning

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

CALIFORNIA
Proposition 65 Warning

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.