



West Virginia Only
High-Frame Rotary Boom

Rev 10-19

Part No. 02987881P

PARTS MANUAL



ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-372-9595

¡ATENCIÓN!

LEA EL INSTRUCTIVO

Si No Lee Ingles, Pida Ayuda a Alguien
Que Si Lo Lea Para Que le Traduzca las
Medidas de Seguridad.



An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. READ, UNDERSTAND, and FOLLOW the Safety and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Alamo Industrial (800-356-6286) to obtain a Free copy before operating the equipment.

BOLT TORQUE

Mounting procedures for mowers will require a significant amount of bolt nut and washer installation.

Frame and structure mounting bolts should be installed using *Red Loctite*, and torqued to the dry values listed in the torque chart based on the bolt size and hardness.

Other structures such as pump mounting bolts should be installed with *Blue Loctite* and torqued to the dry values indicated in the chart.

Bolt tightness should be completed with and checked with a suitable torque wrench.

Torque checks should be completed throughout the life of the mower in accordance with the maintenance chart provided in this manual.

Loose bolts on a frame or in a casting may be a result of:

- Vibration from the mower due to imbalance of the mower blades
- Pulled threads due to over tightening
- Distortion of the hole due to under tightening during installation

Bolts broken or sheared in the mounting structure or tractor may be the result of:

- Improper alignment of the Mounting Plate or Structure such that it is not sitting flat on the mating surface
- Distortion of the bolt due to over-tightening
- Under tightening of the bolts

Check the bolt torque during installation and prior to delivery with a suitable torque wrench.

Proper Torque Values for Standard Bolts			Proper Torque Values for Metric Bolts				
Bolt Diameter			Bolt Diameter				
	Head Marking Three Lines Grade Five	Head Marking Six Lines Grade Eight		Head Marking 4.6	Head Marking 8.8 or 9.8	Head Marking 10.9	Head Marking 12.9
	Pound - Foot Value Dry	Pound - Foot Value Dry		Pound - Foot Value Dry	Pound - Foot Value Dry	Pound - Foot Value Dry	Pound - Foot Value Dry
1/4"	7	10	6mm	3	7	9	10
5/16"	15	22	8mm	6.2	16	23	24
3/8"	26	39	10mm	12	32	45	47
7/16"	42	60	12mm	21	55	79	81
1/2"	64	88	14mm	34	88	126	130
9/16"	100	134	16mm	53	137	196	202
5/8"	128	180	18mm	73	189	270	279
3/4"	227	320	20mm	104	267	382	394
7/8"	365	515	22mm	141	364	520	537
1"	547	772	24mm	179	461	660	680
			27mm	262	676	968	998
			30mm	355	917	1312	1353

To get Newton-Meters multiply pound-foot of torque by 1.356

TO THE OWNER/OPERATOR/DEALER

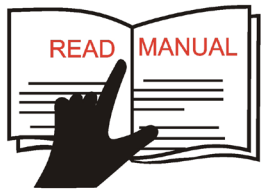
All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!! Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!



DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTION CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.

1. 	2. NO RIDERS. NO CHILDREN OPERATORS. 	3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, ROPS & OPS. 	4. BLOCK UP SECURELY BEFORE WORKING UNDER. 
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1. Study and understand Operator's Manuals, Safety Decals, and Instructional Decals for tractor and implement to prevent misuse, abuse, and accidents. Practice before operating in a confined area or near passersby.
• Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.

2. Allow no children on or near folding mower or tractor. Allow no riders on tractor or implement. Falling off may cause serious injury or death from being run over by tractor or mower or contact with rotating blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seat belt securely fastened to prevent injury and possible death from falling off or tractor overturn.
• Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, & Ear Plugs are recommended.

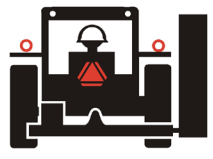
4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain area is clear before lowering or folding.

5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding mowers. Put Booms securely in Transport Rest.
• Folding and Boom Mowers have raised center of gravity. Slow down when turning and on hillsides.

6. Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.

7. Never operate with Cutting Head or Folding Section raised if passersby, bystanders, or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Guards or mower structure.

8. Before dismounting, secure implement in transport position or lower to ground.
• Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent crushing by entanglement in rotating parts which could cause injury or death.
• Never mount or dismount a moving vehicle. Crushing from runover may cause serious injury or death.

5. TRANSPORT SAFELY, LOCK UP. 	6. USE SMV, LIGHTS, & REFLECTORS. 	7. DO NOT OPERATE WITH CUTTER OR WING RAISED 	8. DO NOT MOUNT OR DISMOUNT WHILE MOVING. 
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02967827

WARRANTY INFORMATION:

Read and understand the complete Warranty Statement found in this Manual. Fill out the Warranty Registration Form in full and return it within 30 Days. Make certain the Serial Number of the Machine is recorded on the Warranty Card and on the Warranty Form that you retain. The use of "will-fit" parts will void your warranty and can cause catastrophic failure with possible injury or death.

CHANGE PAGES

Date of Change	Page Number
04-03-2013	(EXAMPLE ONLY: ECN##### - chg pages 17, 23, 137)
04-03-2013	document release date
06-04-2013	chg pgs 44-46
07-29-2013	chg pgs 20,58
08-06-2013	chg pg 22
1-22-14	chg pg 7
08-30-2016	chg pgs 16-18
02-22-2017	chg pg 22
04-05-2018	chg pg 16-18
06-25-2018	chg pg 55
08-30-2018	chg pg 27
12-04-2018	ch pgs 10
12-19-2018	ch pgs 10
03-11-2019	chg pg 20
10-28-2019	chg pg 10

CHANGE PAGES

The following is a listing of pages that have been changed since the latest publication date for the overall document.

PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this section.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are ordered.
3. The Purchase Order must clearly list the quantity of each part, the complete and correct part number (be sure to include all periods), and the basic name of the part.
4. The Manufacturer reserves the right to substitute parts where applicable.
5. Some parts are unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a Purchase Order.
6. The Manufacturer reserves the right to change prices without prior notice.

Note: *Please refer to The Safety Section in the front of this Manual for the proper part number when ordering replacement safety decals.*



For maximum safety and to guarantee optimum product reliability, always use genuine Alamo Industrial Parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death. Direct any questions regarding parts to:



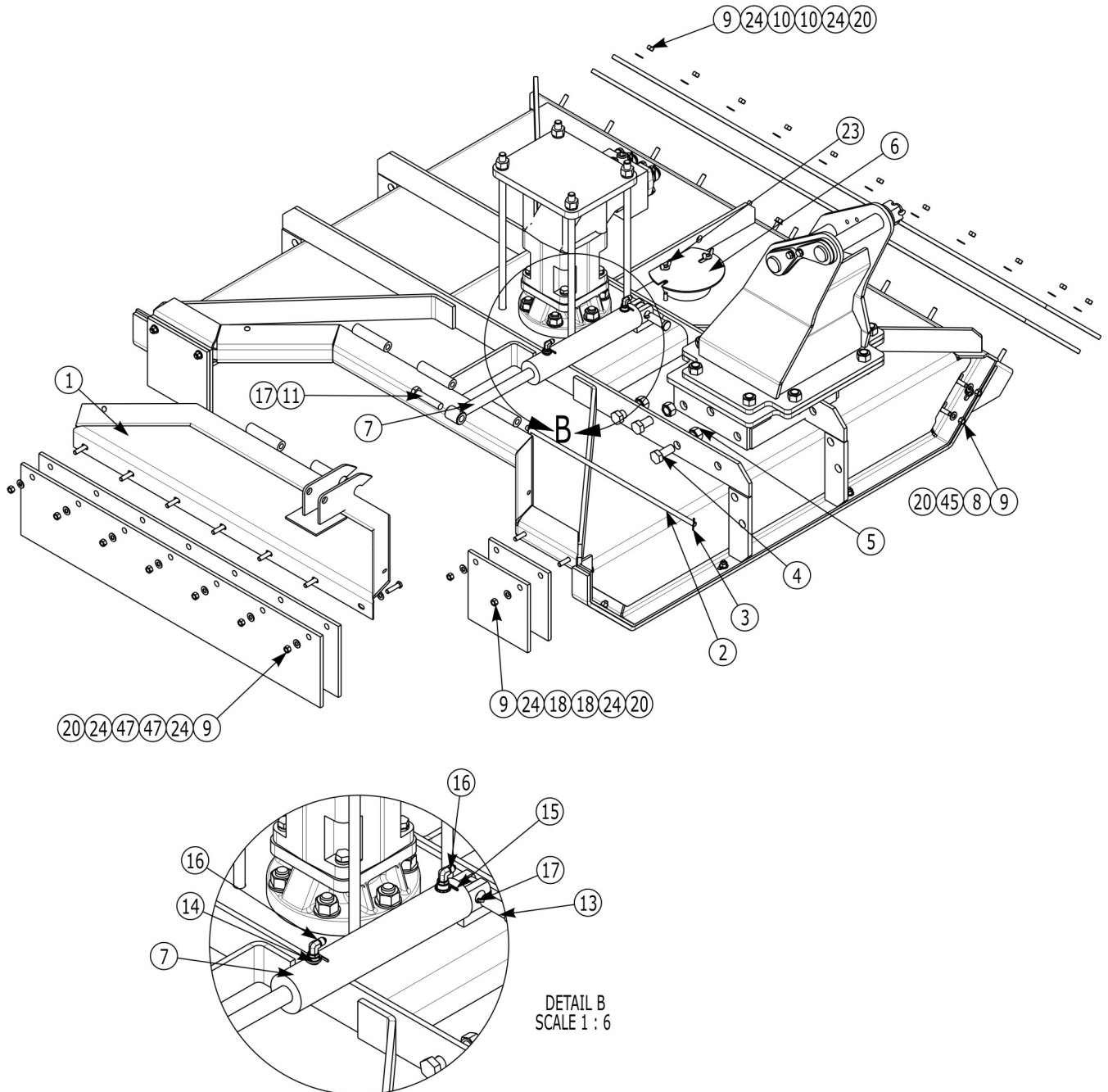
ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-379-1480

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50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT)

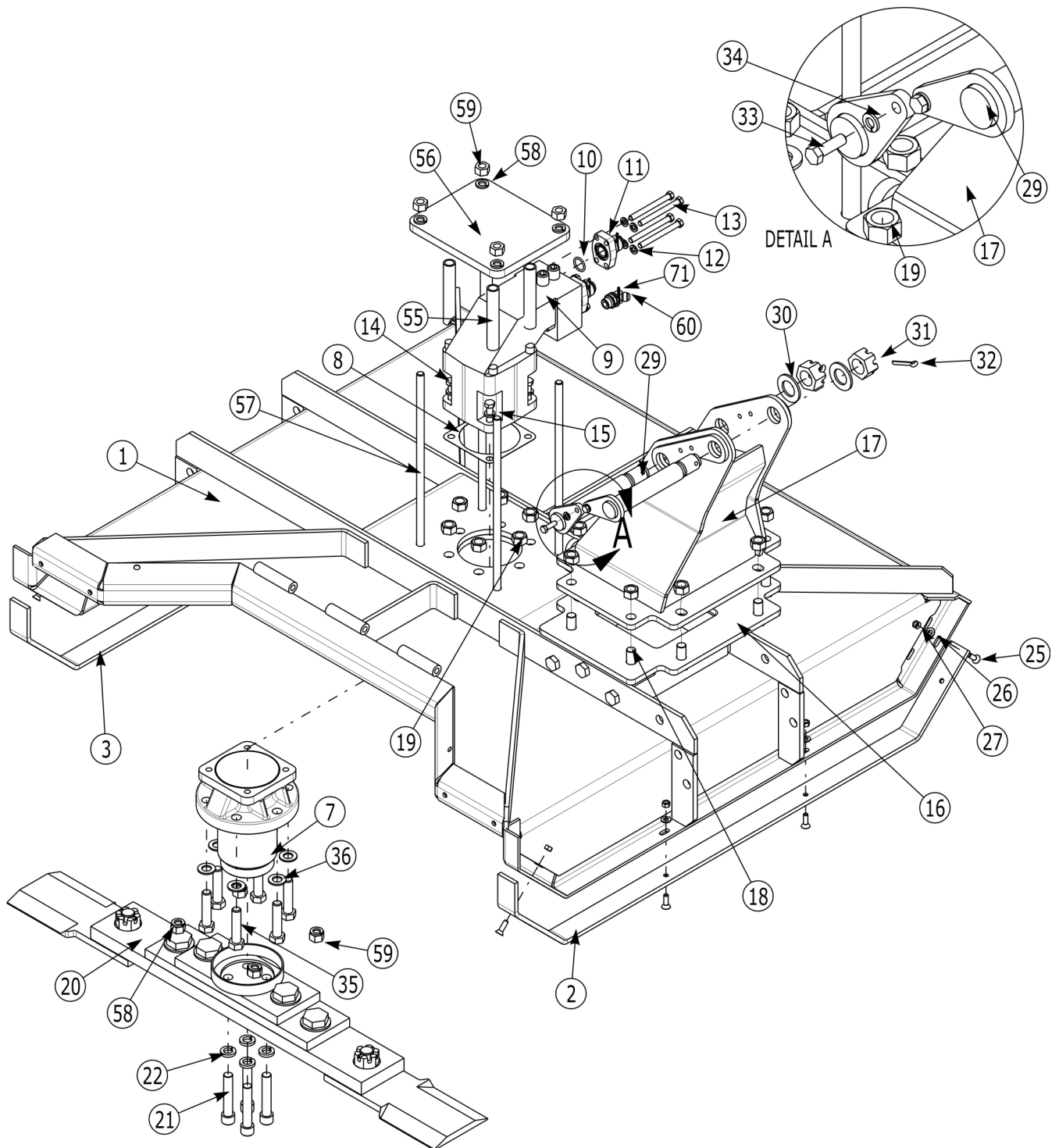


50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987170	1	ASY, 50" ROT, PISTON, BAR
1	02965353	1	WELDMENT, HINGED GUARD
2	02963185	1	WELDMENT, GUARD HINGE PIN
3	40009000	1	PIN, COTTER, 1/8 X 3/4
4	02892100	14	HHCS 3/4 NC X 1 3/4" LG
5	00037200	20	NUT 3/4 NC LOCKNUT
6	5710121	1	PLATE, INSPECTION COVER
7	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
8	00011100	18	FLATWASHER 3/8 STD
9	00015800	33	LOCKNUT TLM 3/8 NC PLC
10	02960886	2	REAR FLAP MODIFIED
11	02976448	1	PIN, 5/8 X 2-1/2 DRILLED
13	651102	1	PIN-DRILLED
14	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
15	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
16	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
17	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
18	02967944	4	FLAP, DEFLECTOR
19	02957380	1	FRONT BAR
20	00023100	25	HHCS 3/8 X 1-1/2 NC PL GR5
21	02963195	2	FLAP, HINGED GUARD
22	2196	1	CLIP, LYNCH PIN
23	5F5180	2	NUT, 5/16 NC WING
24	02035800	40	12

50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SOLID MNT)



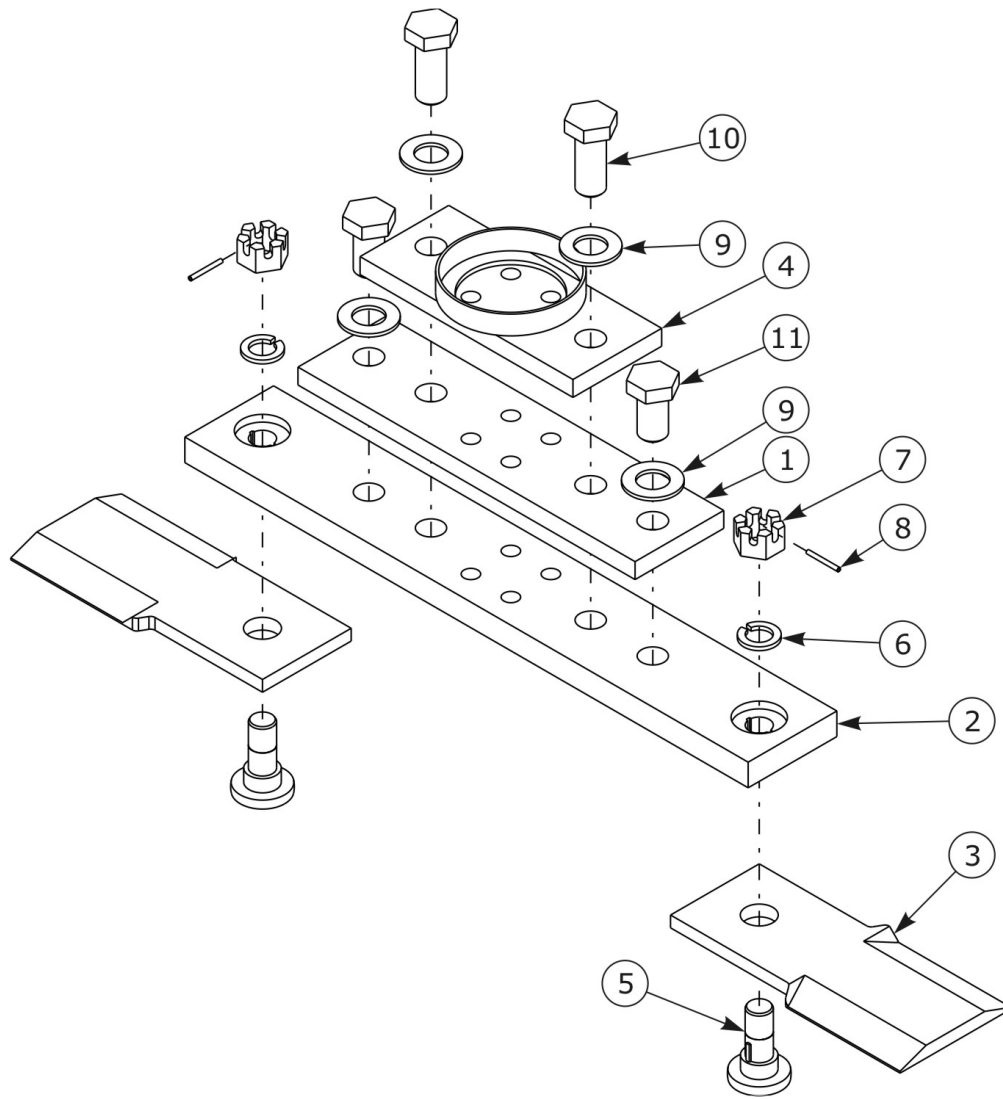
50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SOLID MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02967937	1	WLDMT, SQ. HD. 50" W/ RETRACT GUARD
2	02960883	1	L. H. SKID SHOE
3	02967943	1	R. H. SKID SHOE
7	02960553B	1	ASSEMBLY, SPINDLE HOUSING SPLINED
8		1	
9	02979881	1	MOTOR PISTON 4.91 CID
10	02980237	2	O-RING .139 DIA X 1.296 INSIDE
11	02981819	2	ADP HYD STGHT 16FLH-16MJ SPCL
12	00022200	8	LOCKWASHER 7/16 PL
13	02980236	8	HHCS 7/16 NC X 4 1/2" LG PL5
14	02891800	4	HHCS 1/2 NC 1-3/4 PL8
15	00019600	4	LOCKWASHER 1/2 HEAVY
16	02987806	1	WELDMENT, HITCHPOST ADAPTER
17	02986200	1	WELDMENT, HITCH POST
18	02963645	14	HHCS 3/4 NC 1-3/4 PL8
19	00037200	20	NUT 3/4 NC LOCKNUT
20	02982906	1	ASY, BLADE BAR W/BLADES
21	02964861	4	SHCS 3/4 NC 4" LG PL8
22	00003901	4	LOCKWASHER 3/4 HEAVY
25	00059700	8	FSCS 3/8 NC X 1-1/4
26	00011100	58	FLATWASHER 3/8 STD
27	00015800	33	LOCKNUT TLM 3/8 NC PLC
29	02981757	2	WELDMENT, PIN, HITCH POST
30	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
31	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
32	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
33	02972949	2	BOLT, HHCS 3/8 NC 1-1/4 PL8
34	00012101	2	LOCKWASHER, 3/8" PL
35	02973438	6	HHCS 3/4 NC 3-1/4 PL8
36	5312316	6	FLATWASHER 3/4 HARDENED
46	00023100	25	HHCS 3/8 X 1-1/2 NC PL GR5
55	02988866	4	PIPE, SPACER, 1
56	02989201	1	PLATE, MOTOR MNT SUPPORT
57	02970752	4	TIE, ROD 5/8 UNF X 20" LG. GR8
58	00010300	8	LOCKWASHER 5/8
59	00036300	8	LOCKNUT TLM 5/8 NF PL B
60	02972817	1	ADP HYD ELBOW 10MB - 8MJ 45 DEG

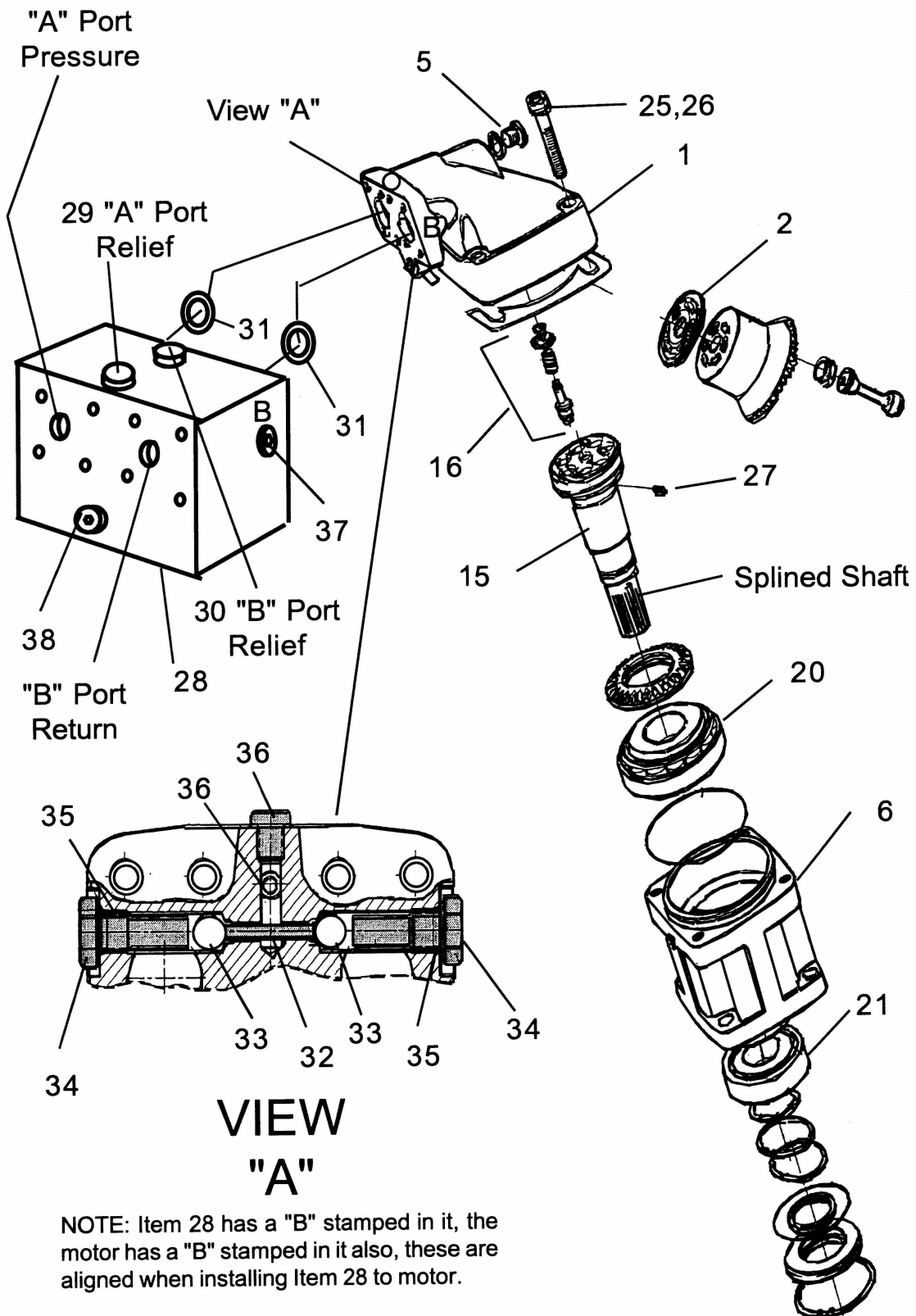
02987881P - Machete 2 HF (West Virginia) (01-09)_10-19

50 IN ROTARY - BLADE BAR ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	02982906	1	ASY, BLADE BAR W/BLADES
1	02982912	1	LEAF, MIDDLE, BLADE BAR
2	02982913	1	LEAF, BOTTOM, BLADE BAR
3	02962635	2	BLADE, CW ROTATION
4	02982934	1	WLDMT. TOP BLADE BAR
5	02782900	2	BOLT, BLADE
6	02957089	2	LOCKWASHER 1-1/8 PL STD
7	00020900	2	NUT, SLOTTED, HVY, 1-1/8NF PL GR5
8	00023200	2	PIN, ROLL, 3/16X1-3/4
9	15C2000	4	WASHER, 1.375 X 2.50 X .165, HARDENED
10	02969235	2	HHCS, 1-1/4X3 PL GR8
11	02969236	2	HHCS, 1-1/4X2-1/4 PL GR8

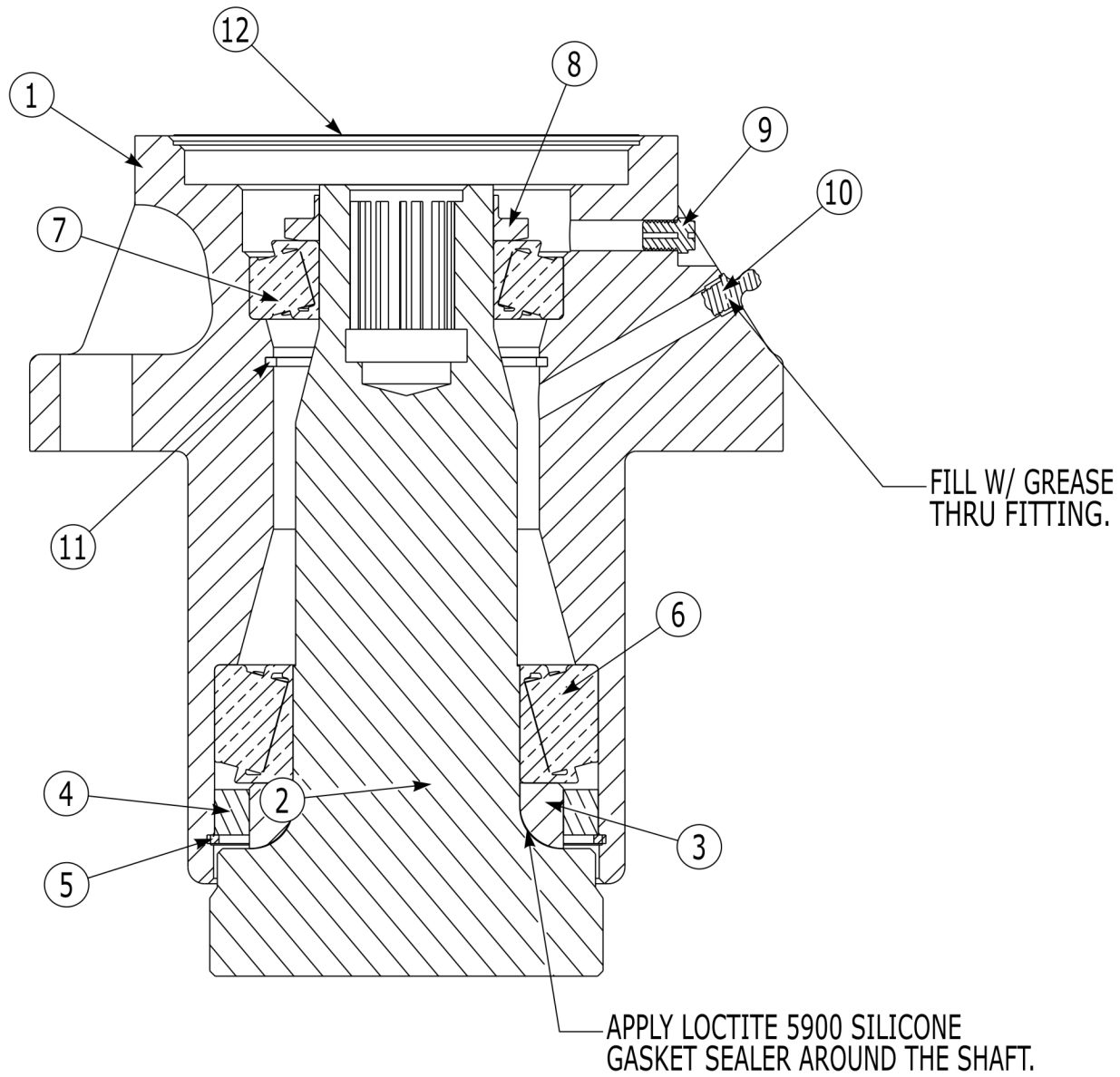
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50 IN ROTARY - MOTOR ASY PN 02979881**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979881	1	MOTOR ASY, PISTON TYPE 4.91 CID
1	02980529	1	BARREL HOUSING ASY
2	02993589	1	REPAIR KIT
4	02980536	1	NOZZLE PLUG 2.5MM
5	02980537	1	PLUG ASY, 7/8" HEXAGON
6	02980538	1	BEARING HOUSING
14	02980546	1	SHAFT ASY, TYPE U
15	02980552	1	KIT,REPL, BARREL/RING, 4.91 CI
16	02980549	1	BARREL SUPPORT
20	02980553	1	TAP ROL BEARING
21	02980554	1	BEARING, TAPERED ROLLER
23	02998870	1	KIT,SPACER,WASHER
	02998869	1	KIT, SHIM, MOTOR,PISTON,4.91
	02980562	1	SHIM, 1.0
25	02980564	4	BOLT, SOCKET HEAD M12 X 50 10.9
26	02980565	1	LOCKWASHER, M13 X 19.5
27	02980547	1	GUIDE PIN
28	02980571	1	RELIEF MANIFOLD
	02980570	1	RELIEF VALVE, SEAL KIT
29	02980568	1	RELIEF VALVE, 280 BAR
30	02980569	1	RELIEF VALVE, 330 BAR
31	02980237	2	O-RING
33	02980532	2	STEEL BALL
34	02980533	2	PLUG, HEXAGON
35	02980534	2	O-RING
36	02980535	2	PLUG ASY, HEX SOCKET
37	02980572	2	PLUG ASY
38	02980573	1	PLUG ASY
40	02980567	1	SEAL KIT FOR 02979881

50 IN ROTARY - SPINDLE ASY

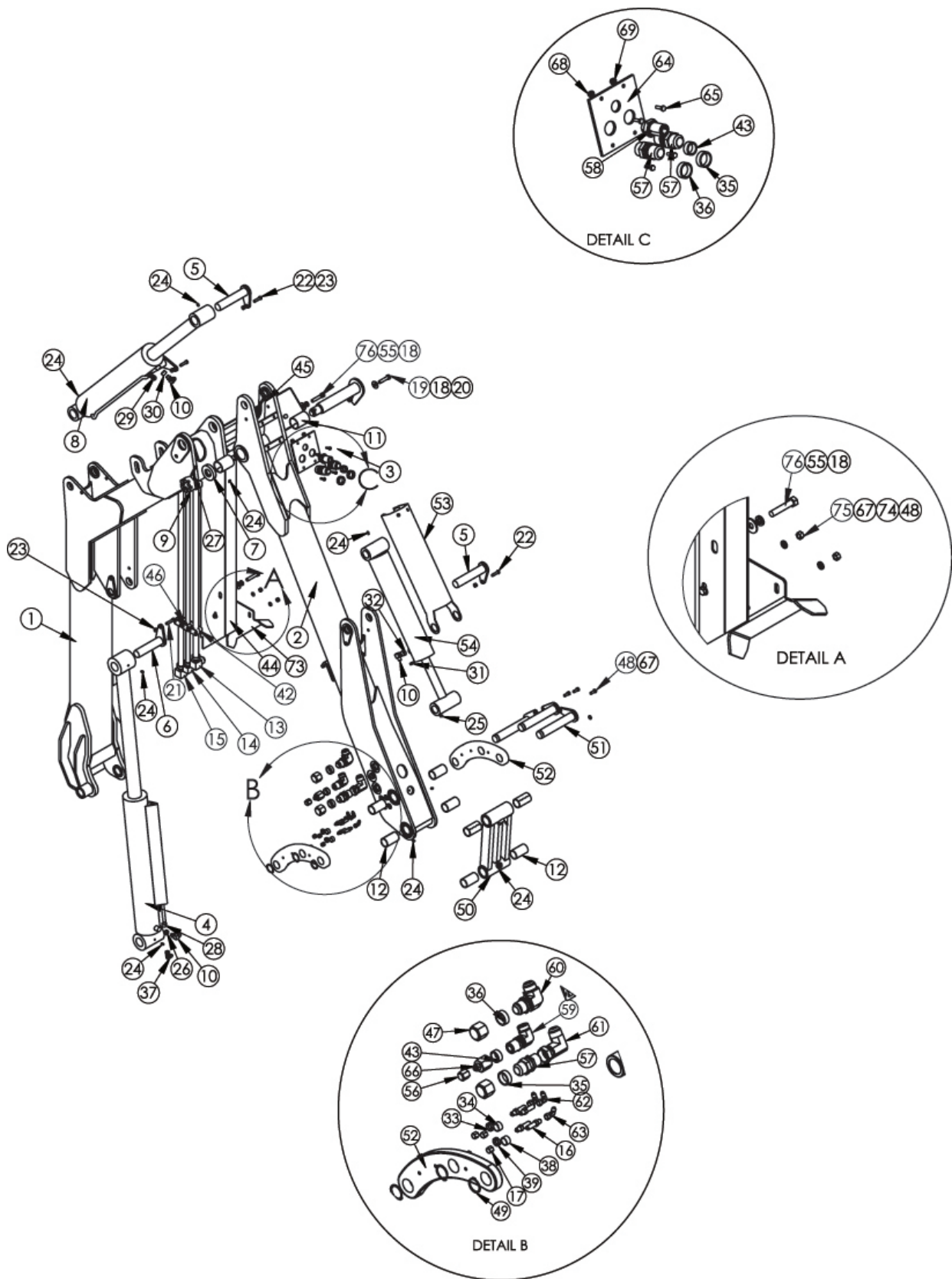


50 IN ROTARY - SPINDLE ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02960553B	1	SPINDLE & HOUSING ASY, SPLINED
1	02963815	1	MACHINED SPINDLE HOUSING
2	02960561	1	SPINDLE - MACHINED
3	02960558	1	BEARING RING
4	02960559	1	SEAL
5	00754627	1	SNAP RING
6	02960557	1	BEARING (BOTTOM)
7	00769938	1	BEARING (TOP)
8	02962030	1	LOCKNUT, SPINDLE BEARING
9	02959018	1	GREASE RELIEF FITTING
10	00003500	1	GREASE FITTING 1/8" STRAIGHT
11	02976756	1	RETAINING RING
12	02963060	1	COVER, SPINDLE
13	00900000	0.02	GREASE

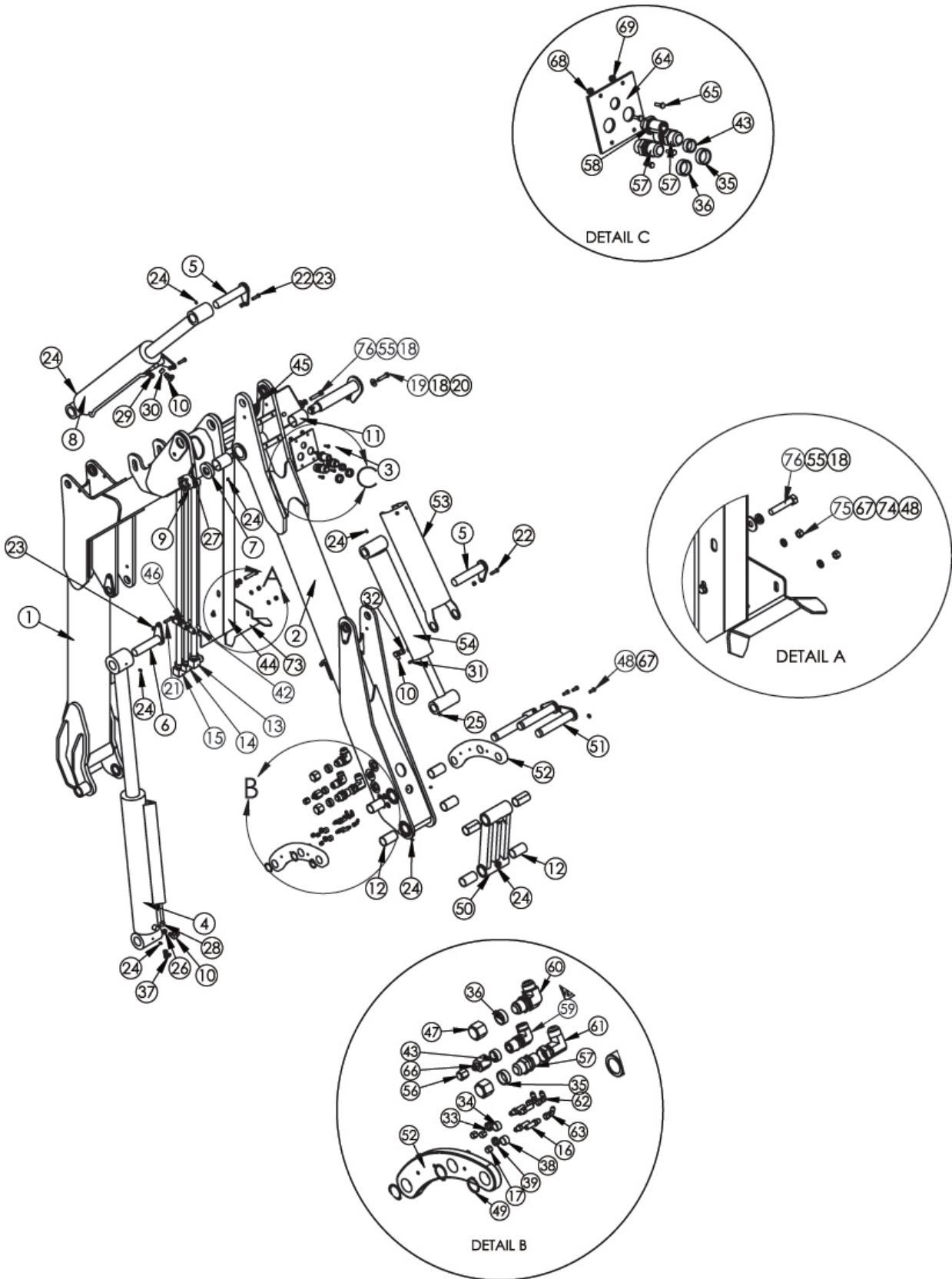
BOOM ASY - 22 FT BOOM (PART 1) PN - 02987166



BOOM ASY - 22 FT BOOM (PART 1) PN - 02987166**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	02987167	1	WLDMT LIFT SECTION
2	02987168	1	WLDMNT DIPPER SECTION
3	02981294	1	WLD`MT PIN, DIPPER / LIFT, MVB
4	02981279	1	CYLINDER, 4.0B X 2.25R X24.63S
5	02982979	3	WLD`MT, CYL PIN, AXTREME
6	02982980	1	WLD`MT, CYL PIN SHORT, AXTREME
7	02981273	1	PIN SPACER, DIPPER
8	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
9	02981702	1	SLOTTED NUT, 1-1/2 NF
10	63149100	3	ADP HYD ELBOW 6MB-6MJ90
11	02981420	2	BUSHING, CONNEX, 2-1/4X2X3
12	02981424	8	BUSHING, CONNEX, 1-3/4X1-1/2X3
13	02984853	1	HYDRAULIC TUBE, #16
14	02984854	1	HYDRAULIC TUBE, #12
15	02984855	1	HYDRAULIC TUBE, #16
16	02965448	4	ADP HYD STGHT 4MJ-4MJ BLKHD
17	02919600	4	CAP-NUT #4FJ
18	00002700	5	FLATWASHER 1/2 PL STD
19	02975436	1	HHCS 1/2 NC 2-1/4 PL
20	00001800	1	LOCKNUT TLM 1/2 NC PLC
21	02957042	1	HHCS 3/8 NC 1-3/4 PL8
22	00023100	3	HHCS 3/8 -16UNC 1-1/2 PL5
23	00015800	4	LOCKNUT TLM 3/8-NC PLC
24	00752670	10	FITTING,GREASE-STR 1/4-28 UNF
25	000941	1	GREASE FITTING,1/4-28X90
26	02968835	1	VINYL TAPE ORANGE 1/4" WIDE
27	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
28	02968834	1	VINYL TAPE ORANGE 1/2" WIDE
29	02968831	1	VINYL TAPE BLUE 1/4" WIDE
30	02968830	1	VINYL TAPE BLUE 1/2" WIDE
31	02968829	1	VINYL TAPE RED 1/4" WIDE
32	02968828	1	VINYL TAPE RED 1/2" WIDE
33	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
34	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
35	02968894	4	VINYL TAPE RED 1/2" WIDE
36	02968896	4	VINYL TAPE BLUE 1/2" WIDE
37	001921	1	ADP HYD ELBOW 6MJ - 6FJX 90
38	02968832	1	VINYL TAPE GREEN 1/2" WIDE
39	02968833	1	VINYL TAPE GREEN 1/4" WIDE
42	03200375	8	CLAMP

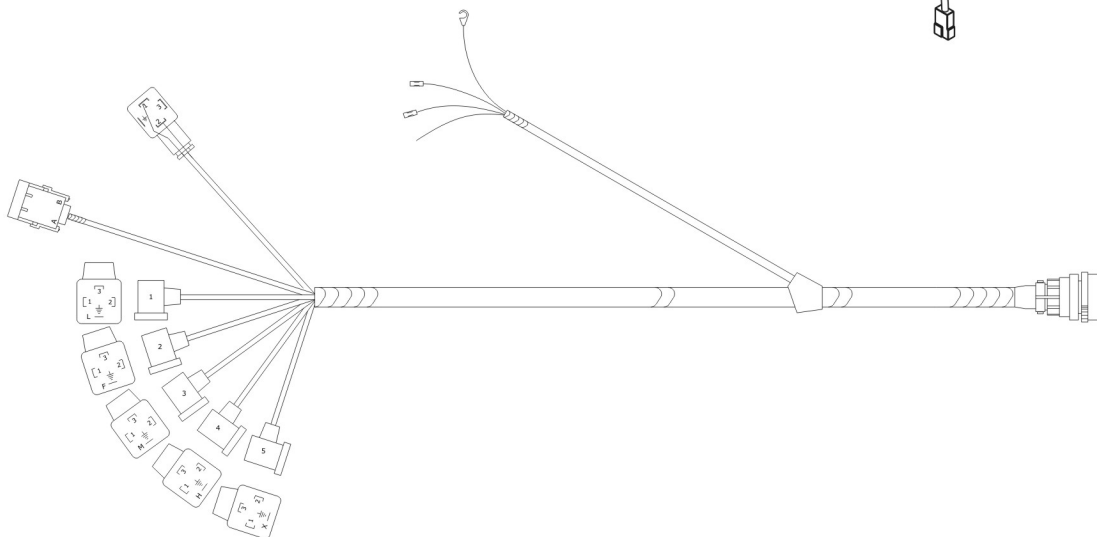
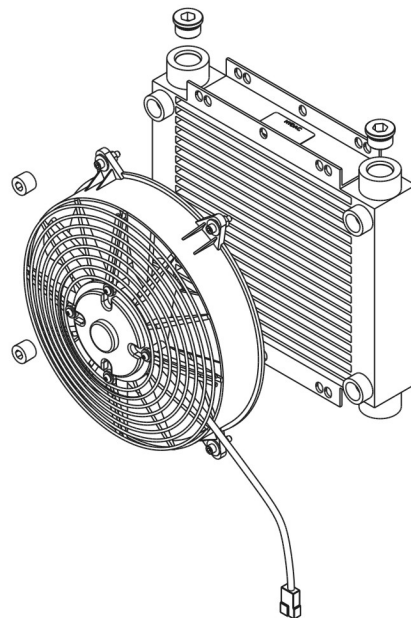
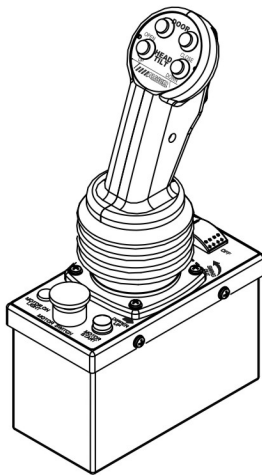
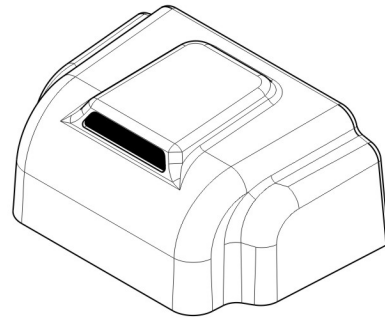
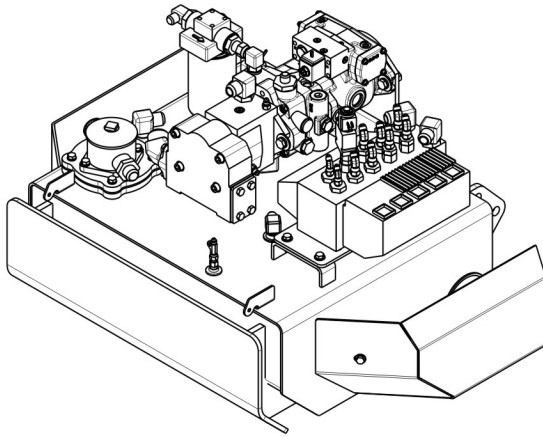
BOOM ASY - 22 FT BOOM (PART 2) PN - 02987166



BOOM ASY - 22 FT BOOM (PART 2) PN - 02987166**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
43	02991249	4	VINYL TAPE GREEN 1/2" WIDE
44	02988064	1	COVER, TUBE LIFT, WV
45	02984857	1	COVER, TUBE LIFT 22
46	02984868	4	CLAMP
47	02956918	2	CAP, HYD #16FJIC
48	00011400	5	HEXB 3/8-16 X 1 PL5
49	00769258	3	RETAINING RING.1.5 SHAFT
50	02986074	1	WELDMENT, LINKAGE
51	02985220	3	WLD`MT, CYL PIN, LINKAGE
52	02985222	2	PLATE, LINKAGE
53	02985273	1	ASSEMBLY, TILT CYLINDER COVER
54	02984944	1	CYLINDER, 3.5B X 1.75R X16S
55	00019600	4	LOCKWASHER, 1/2, HVY, PL
56	02972910	1	ADP HYD CAP 8FJ
57	00751846	3	ADP HYD STGHT 16MJ-16MJ BLKHD
58	00751472	1	BULK HEAD ADAPTER #12 MJIC
59	02742400	1	ADP HYD ELBOW 12MJ-12MJ90 BKHD
60	02742500	1	ADP HYD ELBOW 16MJ-16MJ90 BKHD
61	02956851	1	ADP HYD ELBOW 16MJ -16FJX 90
62	02962022	2	ADP HYD ELBOW 4MJ-4FJX90
63	02976532	2	ADP HYD ELBOW 4MJ - 4FJX 45DEG
64	02985978	1	PLATE, BULKHEAD
65	000860	4	HHCS 1/4 NC 7/8 PL5
66	02970609	1	ADP HYD STGHT 12FJ - 8MJ
67	03101646	5	HIGH ALLOY, L/W 3/8 YZ
68	00024000	4	NUT HEX 1/4 NC PL
69	00024100	4	FLATWASHER STD 1/4 PL
73	02988054	1	WLDMT, HOSE GUARD
74	00011100	2	FLATWASHER STD 3/8 - PLATED
75	00013901	2	NUT HEX 3/8 NC PL
76	02788400	4	HEXB 1/2 NC 2-1/2PL5

COMMON CRATE COMPONENTS



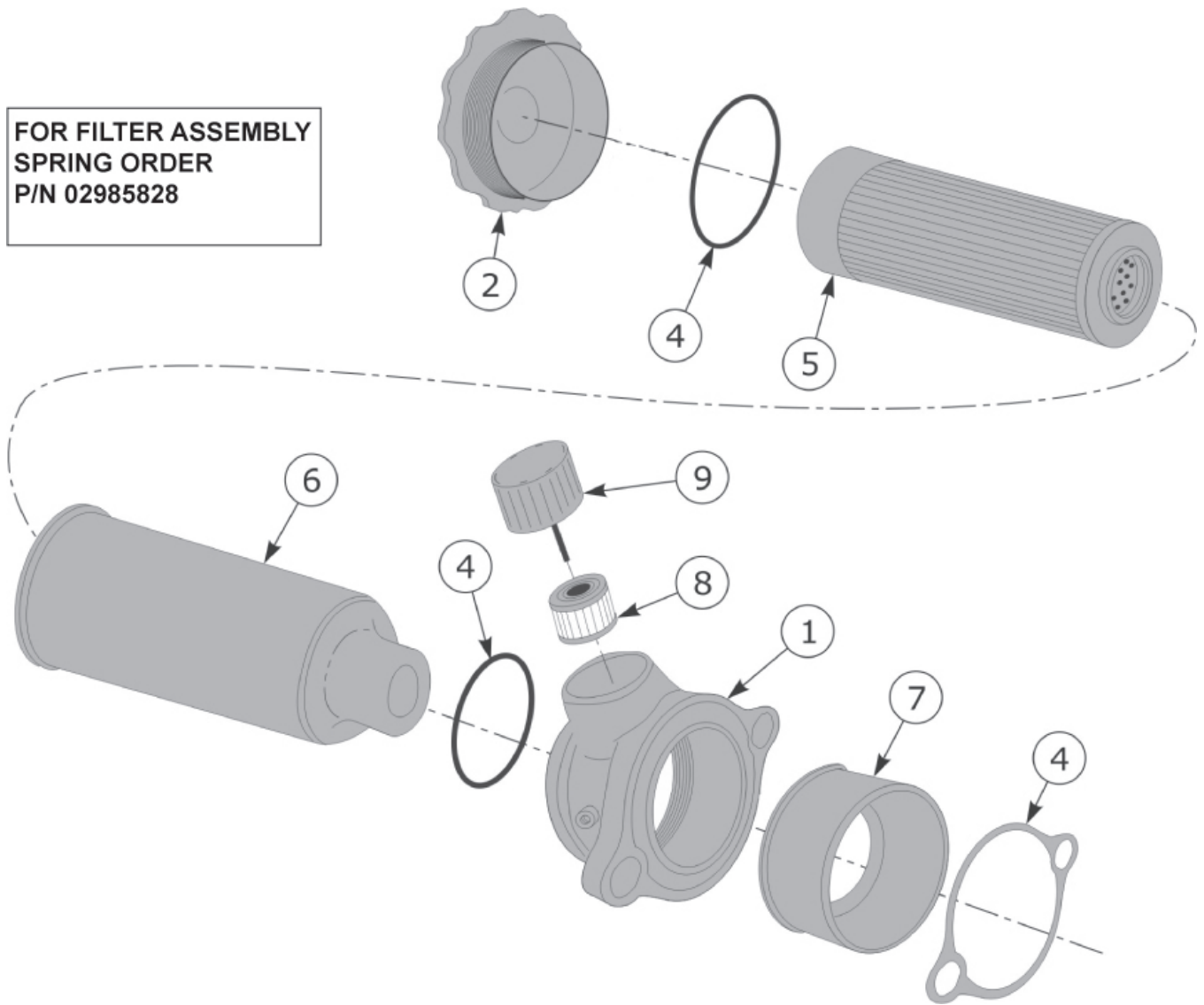
COMMON CRATE COMPONENTS

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987499	1	PACKET, INST DWGS AND DECALS
	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02975446C	1	ASSEMBLY JOYSTICK CONSOLE
	00776031	1	CANISTER, PARTS MANUAL
	02966874	1	BOOT,CABLE
	02986941A	1	ASSEMBLY OPERATORS & PARTS
	02986941CA	1	ASSEMBLY CANISTER MANUAL
	02987401	1	ASY, COMPLETE, TANK & VALVE
	02986111	1	CABLE, PUMP COVER 36
	02986130	1	CABLE, MANUAL CANISTER, 24
	02970116	2	TUBE,FRAME MOUNTING
	02753400	2	PLASTIC TIE 15 LG UV BLACK
	02975004	1	MOUNT TIE ROD
	02984735	1	ASY, HARNESS, MACHETE
	02966639	6	BAR,MOUNT STRAP
	02981381	1	ASY, PUMP COVER
	02987727	1	BOOM TO FRAME HOSE BUNDLE
	02987705	2	BAR,MOUNT STRAP 4-1/2
	02993069	1	HARNESS, FAN CONT, HELLA RELAY
	02959924	1	NUT,LOCK TLM 1/4-20 NC PLB

FILTER ASY

**FOR FILTER ASSEMBLY
SPRING ORDER
P/N 02985828**



ITEM	PART NO.	QTY.	DESCRIPTION
	02985828	1	FILTER, RETURN
1	-----	1	MUST ORDER COMPLETE FILTER ASY
2	02981714	1	COVER, FILTER
4	02981716	1	KIT, SEAL, FILTER, RETURN
5	02981717	1	ELEMENT, FILTER, RETURN
6	-----	1	BOWL, FILTER, RETURN
7	02981719	1	GUARD, FILTER, RETURN
8	02981720	1	BREATHER, ELEMENT, FILTER
9	02981721	1	COVER, BREATHER, SCREW-ON
	02993081	1	COVER, BREATHER CAP, SNAP-ON
10	02987302	1	INDICATOR, FILTER BYPASS

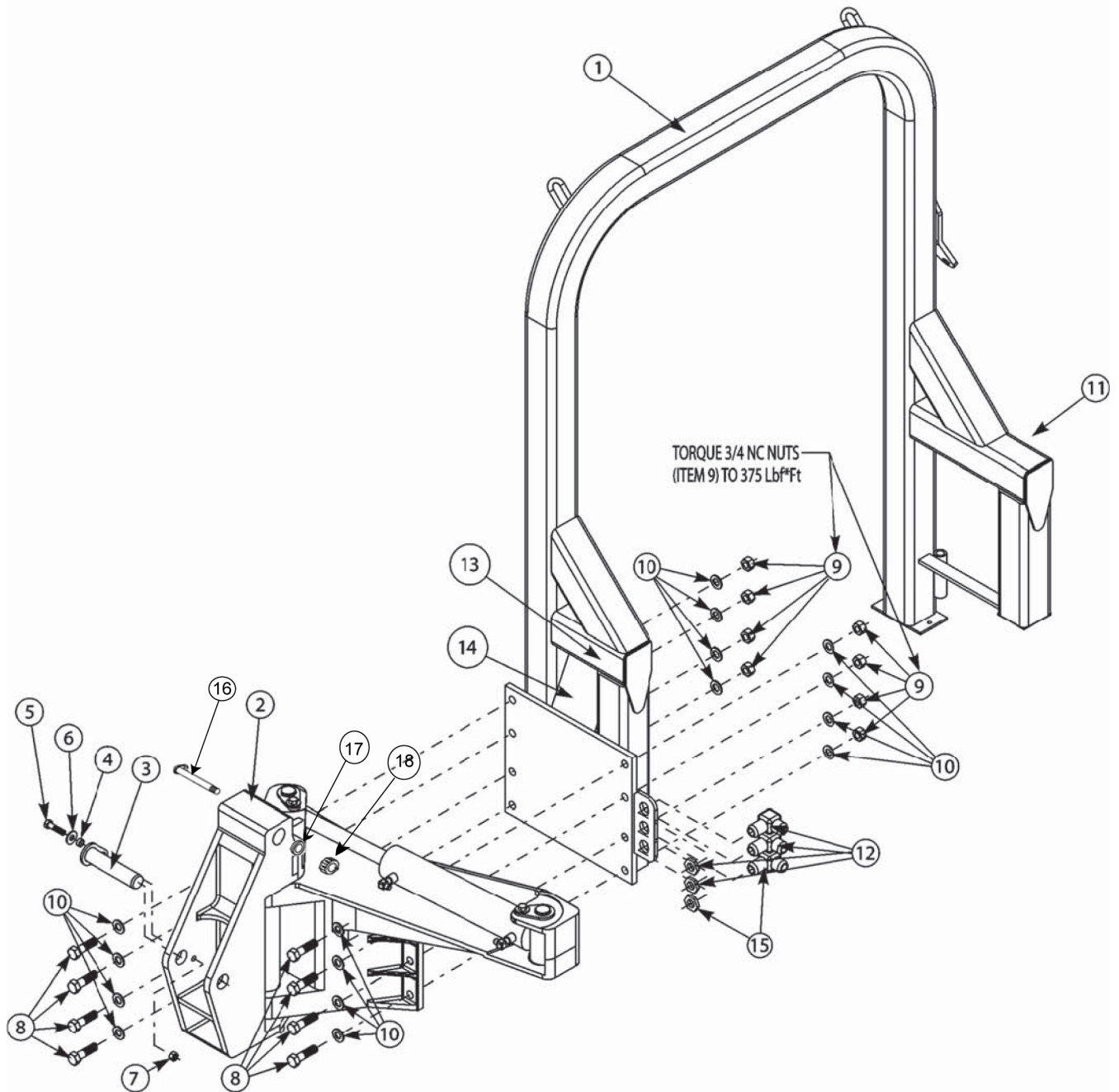
FILTER ASY

Continued...

NOTE: *#1 AND #9 NOT INTERCHANGEABLE, BOTH COMPONENTS MUST BE EITHER SNAP-ON OR SCREW-ON VERSIONS.

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HIGH FRAME MOUNT ASY - 2WD

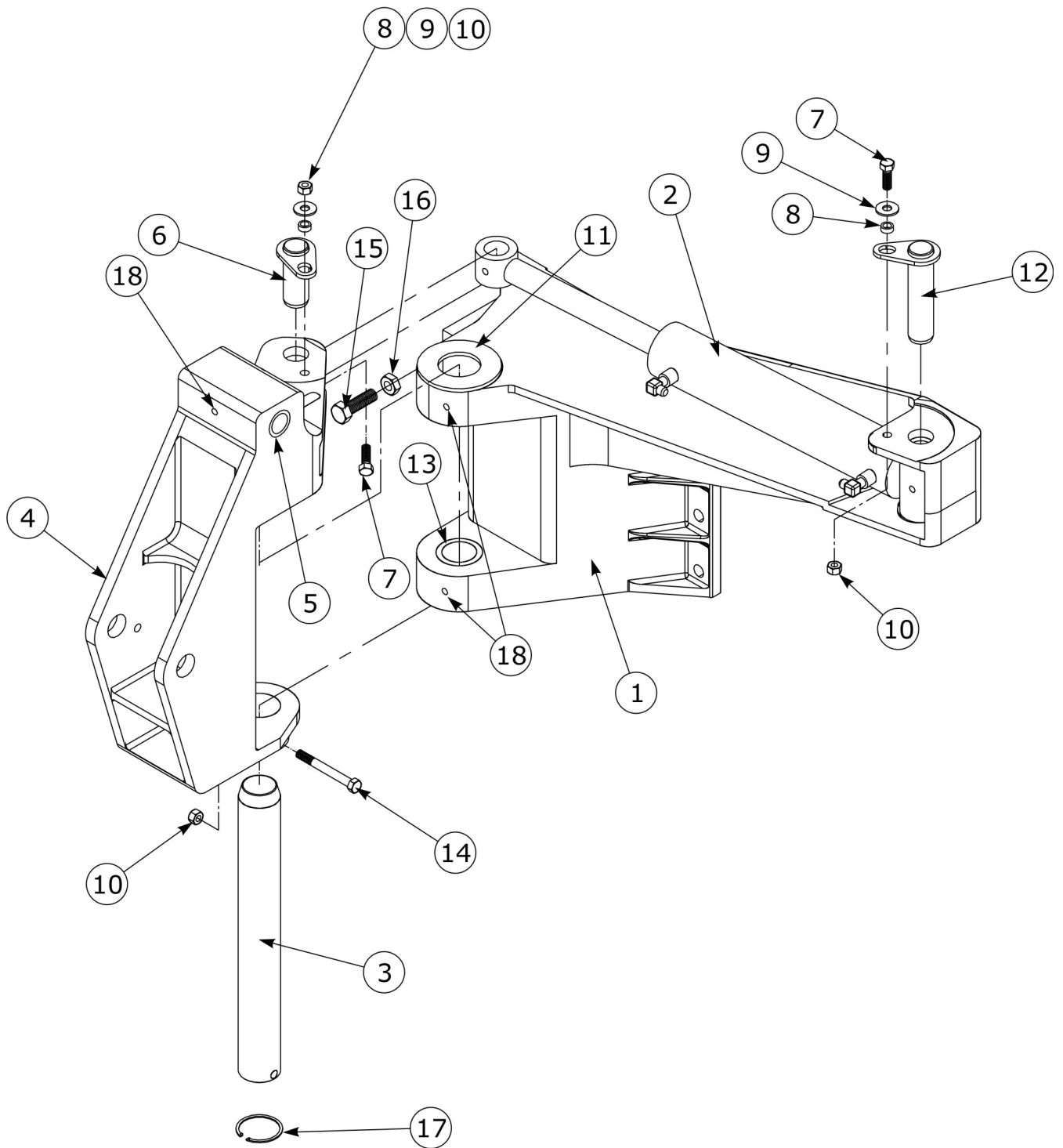


HIGH FRAME MOUNT ASY - 2WD

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987305	1	ASY HIGH FRAME 2WD
1	02987306	1	WLDMT HIGH FRAME 2WD
2	02978000	1	SUB-ASSEMBLY KINGPOST FRAME
3	02978461	1	WLDMT PIN 1-1/2 OD X 6-3/4 LG
4	02975596	1	TUBE SPACER 3/4 OD X .51 ID X
5	00013300	1	HEXB 1/2 NC 2 PL5
6	00002700	1	FLATWASHER 1/2 PL STD
7	00001800	1	LOCKNUT TLM 1/2 NC PLC
8	02960521	8	HHCS 3/4 NC 2-3/4 PL8
9	00037200	8	NUT 3/4-NC TOPLOCK GRC PL
10	5312316	16	WASHER, 3/4" HARDENED
11	00725746	1	DECAL, PELIGRO
12	02742500	2	ADP HYD ELBOW 16MJ-16MJ90 BKHD
13	02962765	1	DECAL-MULTIPLE HAZARD
14	02965262	1	DECAL-,WARNING OIL LEAK
15	02742400	1	ADP HYD ELBOW 12MJ-12MJ90 BKHD
16	02971703	1	WELDMENT, PIN - 14-15/16LG
17	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
18	02971701	1	NUT SLOT 1-3/8 12NF PLB
	165020	1	PIN, COTTER 5/16 X 2-1/2 PL

HIGH FRAME MOUNT SUB-ASY

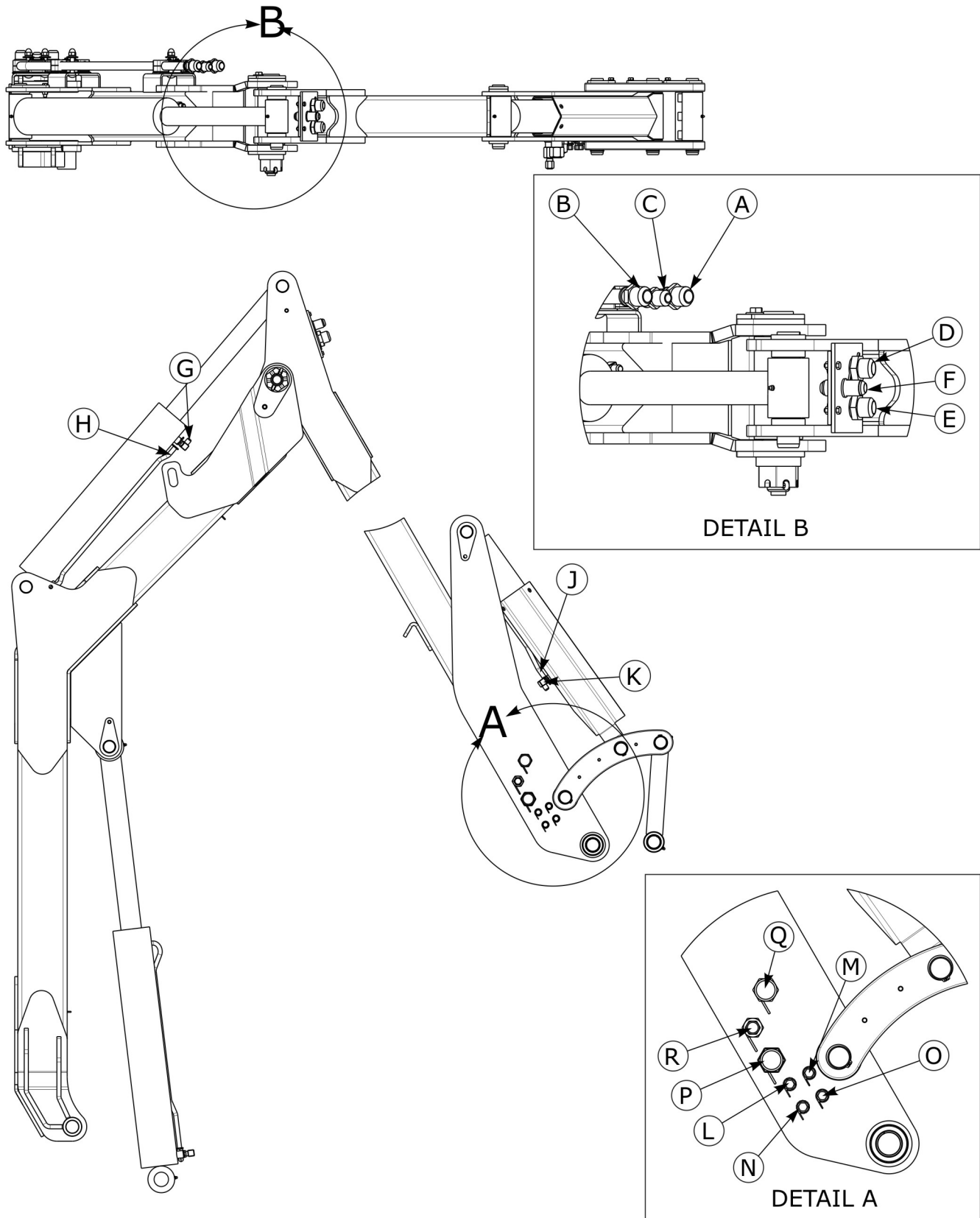


HIGH FRAME MOUNT SUB-ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02978000	1	SUB-ASSEMBLY KINGPOST FRAME
1	02975491	1	MOUNTING KINGPOST MACHINED
2	02968840	1	ASY,SWING CYL GREASEABLE
3	02990311	1	PIN, KING, LONG, FATIGUE PROOF
5	02987739	2	BUSHING CONNEX 1-3/4 X1 -1/2X3
6	02978477	1	WLDMT PIN 1-1/2 X 3-9/16 LG
7	00748823	2	HHCS 1/2-13UNC 1-1/2 PL5
8	02975596	2	TUBE SPACER 3/4 ODX.51IDX.25LG
9	00002700	2	FLATWASHER 1/2 PL STD
10	00001800	3	LOCKNUT TLM 1/2 NC PLC
11	02966088	1	WASHER,THRUST-5OD X 2-9/16ID
12	02978461	1	WLDMT PIN 1-1/2 OD X 6-3/4 LG
13	02989883	2	BUSHING 2.5IDx3.0ODx2.0LG (CHECK BUSHING SIZE BEFORE ORDERING)
	02987636	2	BUSHING CONNEX 2-3/4 X2 -1/2X2 (PROVIDE PART NUMBER AND DESCRIPTION)
14	02956765	1	HHCS 1/2 NC 4-1/2 PL8
15	02963646	1	HHCS 3/4 NC 2-1/2 PL8
16	02023900	1	NUT 3/4 NC HEX PL JAM
17	02975429	1	SNAP RING INTERNAL 2.775 DIA X
18	00752670	3	GREASE ZERK, STRAIGHT 1/4-28NF
	02988178	1	KIT, GREASABLE, KINGPOST MOUNT
	02988179	1	KIT, GREASABLE, KINGPOST

HOSE ROUTING - 22 FT BOOM

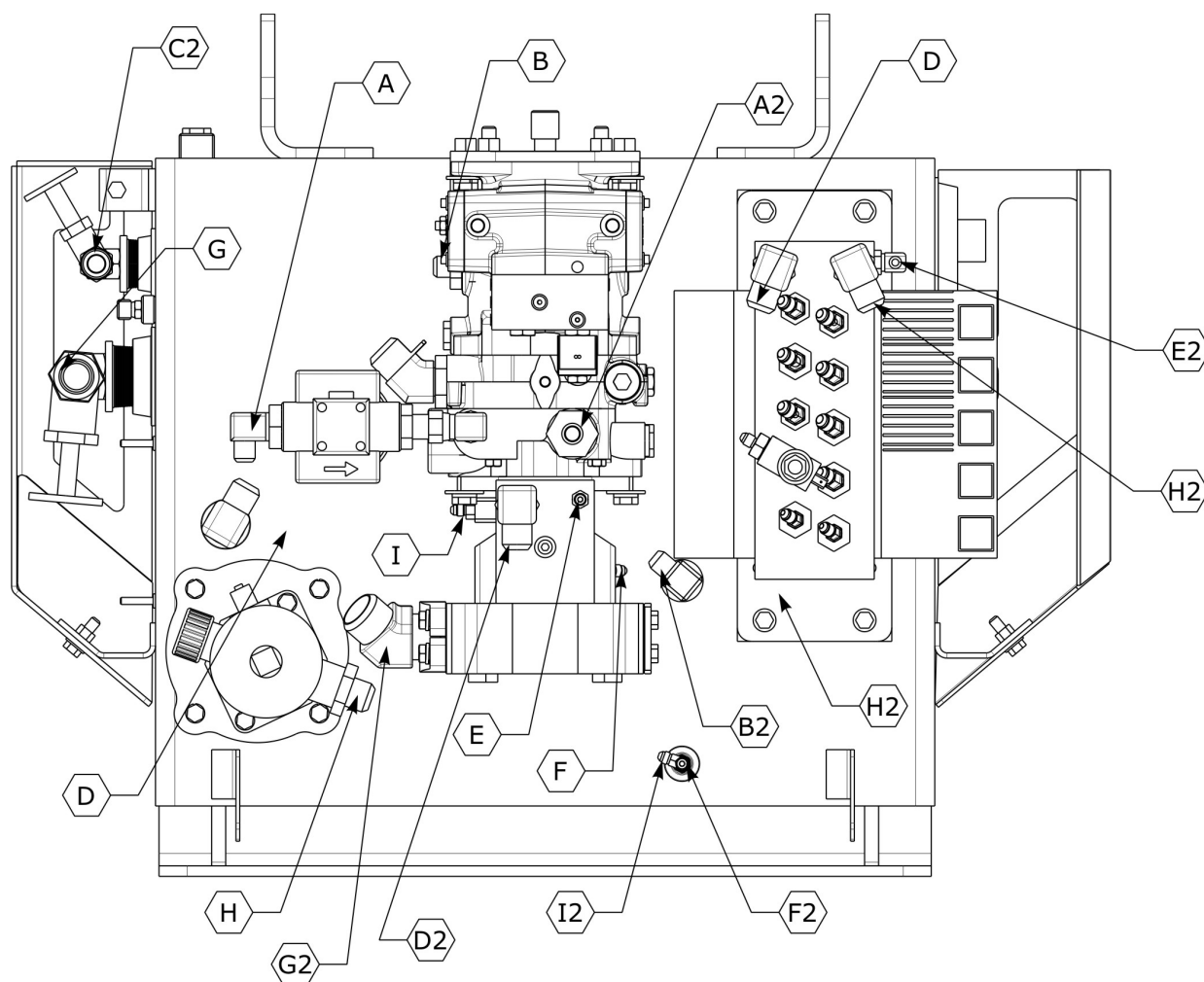


HOSE ROUTING - 22 FT BOOM NOTES

Hose Part Number	Description	Connection 1	Connection 2
02983178	DIPPER BLU	N/A	H
02983179	DIPPER B/W	N/A	G
02983180	TILT RED (LIFT)	N/A	02983184
02983181	TILT R/W (lift)	N/A	02983185
02983182	DOOR YELLOW (LIFT)	N/A	02983186
02983183	DOOR Y/W (LIFT)	N/A	02983187
02983503	SWIVEL GREEN (LIFT)	N/A	02983499
02983504	SWIVEL G/W (LIFT)	N/A	02983500
02983184	TILT RED (DIPPER)	02983180	J
02983185	TILT R/W (DIPPER)	02983181	K
02983186	DOOR YELLOW (DIPPER)	02983182	M
02983187	DOOR Y/W (DIPPER)	02983183	L
02983499	SWIVEL GREEN (DIPPER)	02983503	O
02983500	SWIVEL G/W (DIPPER)	02983504	N
02986107	MOTOR PRESSURE	A	D
02986108	MOTOR RETURN	B	E
02986109	MOTOR CASE DRAIN	C	F
02986004	MOTOR PRESSURE	D	P
02986005	MOTOR RETURN	E	Q
02986006	MOTOR CASE DRAIN	F	R

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983178	1	HOSE #6-6FJX-6MJ-108LG
2	02983179	1	HOSE #6-6FJX-6MJ-108LG
3	02983180	1	HOSE #6-6FJX-6MJ-94LG
4	02983181	1	HOSE #6-6FJX-6MJ-94LG
5	02983182	1	HOSE #4-4FJX-4MJ-94LG
6	02983183	1	HOSE #4-4FJX-4MJ-94LG
7	02983503	1	HOSE #4-4FJX-4MJ-94LG
8	02983504	1	HOSE #4-4FJX-4MJ-94LG
9	02983184	1	HOSE #6-6FJX-6MJ-140LG
10	02983185	1	HOSE #6-6FJX-6MJ-140LG
11	02983186	1	HOSE #4-4FJX-4MJ-140LG
12	02983187	1	HOSE #4-4FJX-4MJ-140LG
13	02983499	1	HOSE #4-4FJX-4MJ-140LG
14	02983500	1	HOSE #4-4FJX-4MJ-140LG
15	02986107	1	HOSE #16-16FJX-16FJX-62LG
16	02986108	1	HOSE #16-16FJX-16FJX-62LG
17	02986109	1	HOSE #12-12FJX-12FJX-62LG
18	02986004	1	HOSE #16-16FJX-16FJX90-69-7/8
19	02986005	1	HOSE #16-16FJX-16FJX90-65-1/2
20	02986006	1	HOSE #12-12FJX-12FJX90-69-1/8
21	02986798	1	CORDURA SLEEVE, 3.66ID, 58LG
22	02982334	1	CORDURA SLEEVE, 2.54ID, 10LG
23	02983079	1	SLEEVE 66" CORDURA 2.54 ID
24	02986797	1	CORDURA SLEEVE, 2.54ID, 14LG

HOSE ROUTING - HYDRAULIC KIT



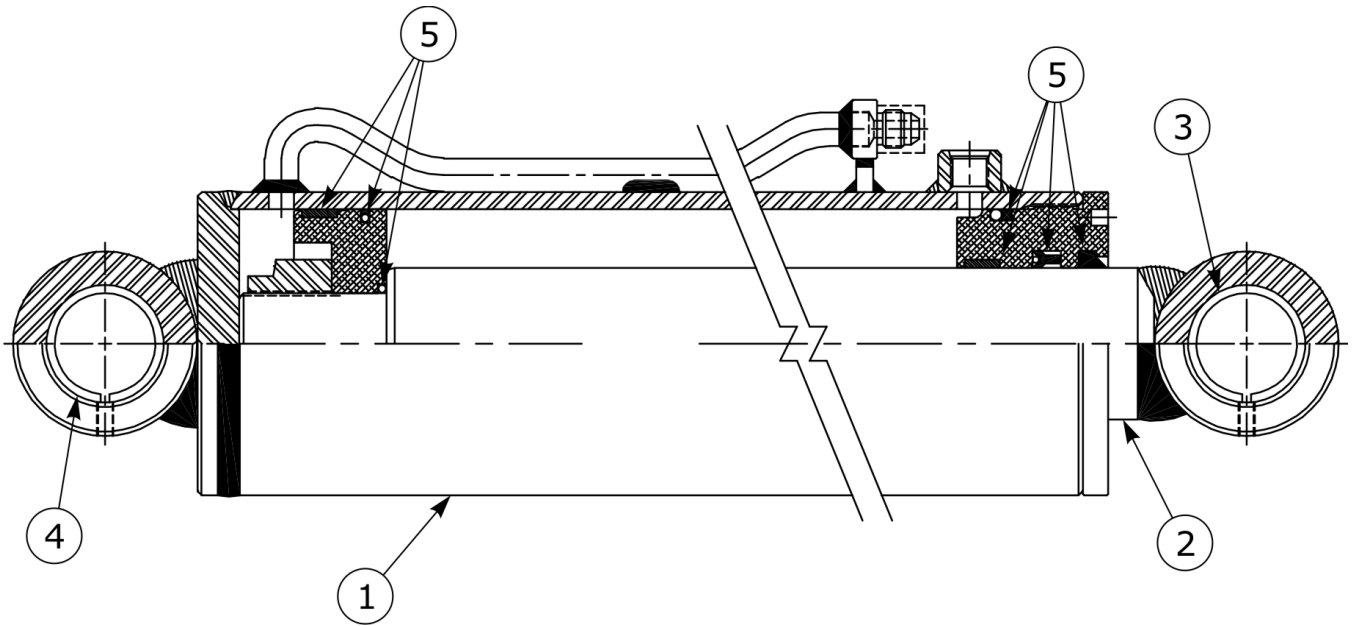
HOSE P/N	LOCATION	CONNECTION 1	CONNECTION 2
02981427	CHARGE FILTER TO PUMP	A (FJX)	A2 (FJX90)
02981428	CASE DRAIN TO TANK	B (FJX90)	B2 (FJX)
02981429	PUMP TO SUCTION FILTER	C (FJX) *SHEET 1	C2 (FJX)
02986726	PUMP TO VALVE SUPPLY	D (FJX)	D2 (FJX90)
02981431	PUMP LOAD SENSE TO VALVE	E (FJX90)	E2 (FJX)
02981432	PUMP REGULATOR TO TANK	F (FJX90)	F2 (FJX)
02981433	PUMP TO SUCTION FILTER	G (FJX)	G2 (FJX)
02987742	VALVE RETURN TO FILTER	H (FJX)	H2 (FJX)
02823600	AIR BLEED TO TANK	I (FJX) *SHEET 1	I2 (FJX)

HOSE ROUTING - HYDRAULIC KIT

Continued...

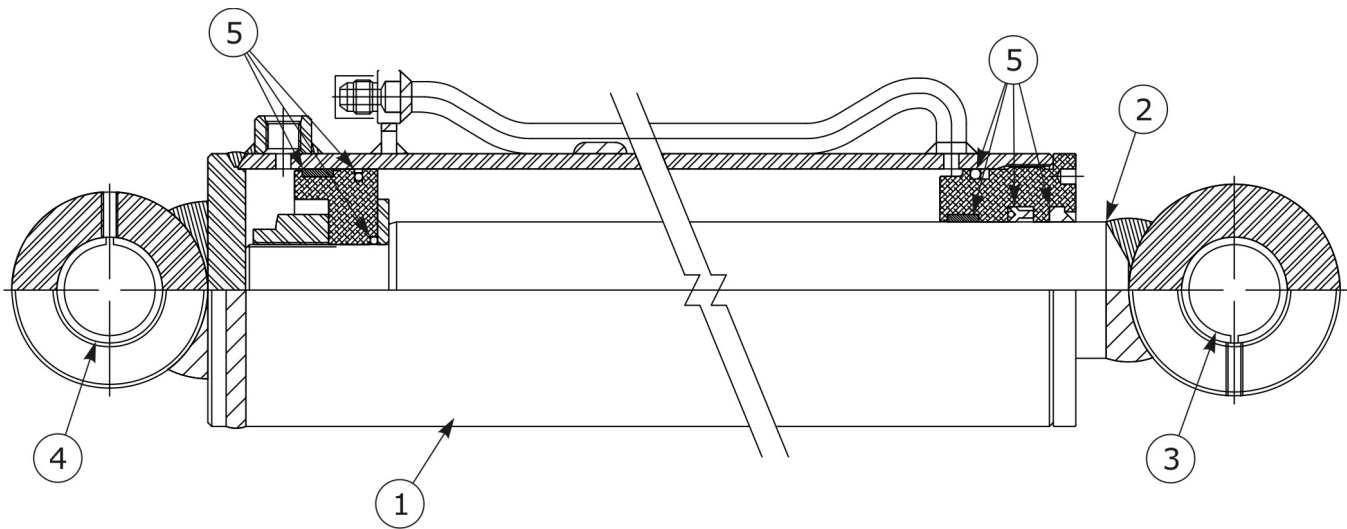
ITEM	PART NO.	QTY.	DESCRIPTION
1	02981427	1	HOSE #8-8FJX-8FJX90-24LG
2	02981428	1	HOSE #8-8FJX-8FJX90-21LG
3	02981429	1	HOSE #12-12FJX-12FJX-23LG
4	02986726	1	HOSE #12-12FJX-12FJX90-24LG
5	02981431	1	HOSE #4-4FJX-4FJX90-35LG
6	02981432	1	HOSE #4-4FJX-4FJX90-20LG
7	02981433	1	HOSE #20-20FJX-20FJX-24LG
8	02987742	1	HOSE #12-12FJX-12FJX 36LG
9	02823600	1	HOSE #4 - 4FJX - 4FJX - 28LG

HYDARULIC CYLINDER ASY - DIPPER 22 FT BOOM



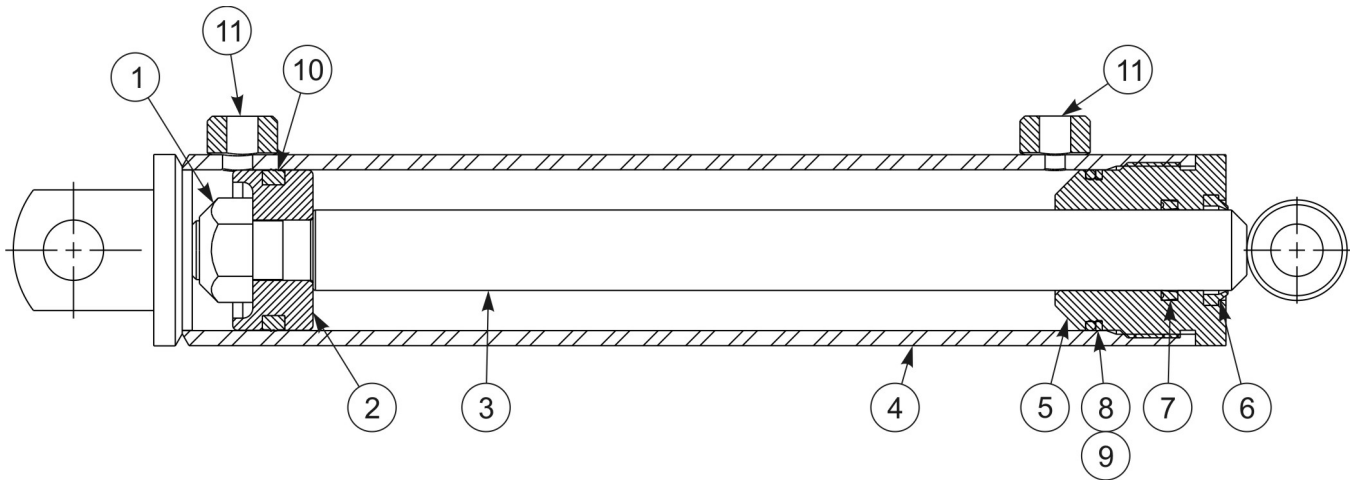
ITEM	PART NO.	QTY.	DESCRIPTION
	02981277	1	HYD CYL ASY, 4" BORE X 21.5" STROKE (22 & 25 FT BOOM)
1	02981925	1	BARREL WLDMT
2	02981926	1	ROD WLDMT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

HYDARULIC CYLINDER ASY - LIFT BOOM



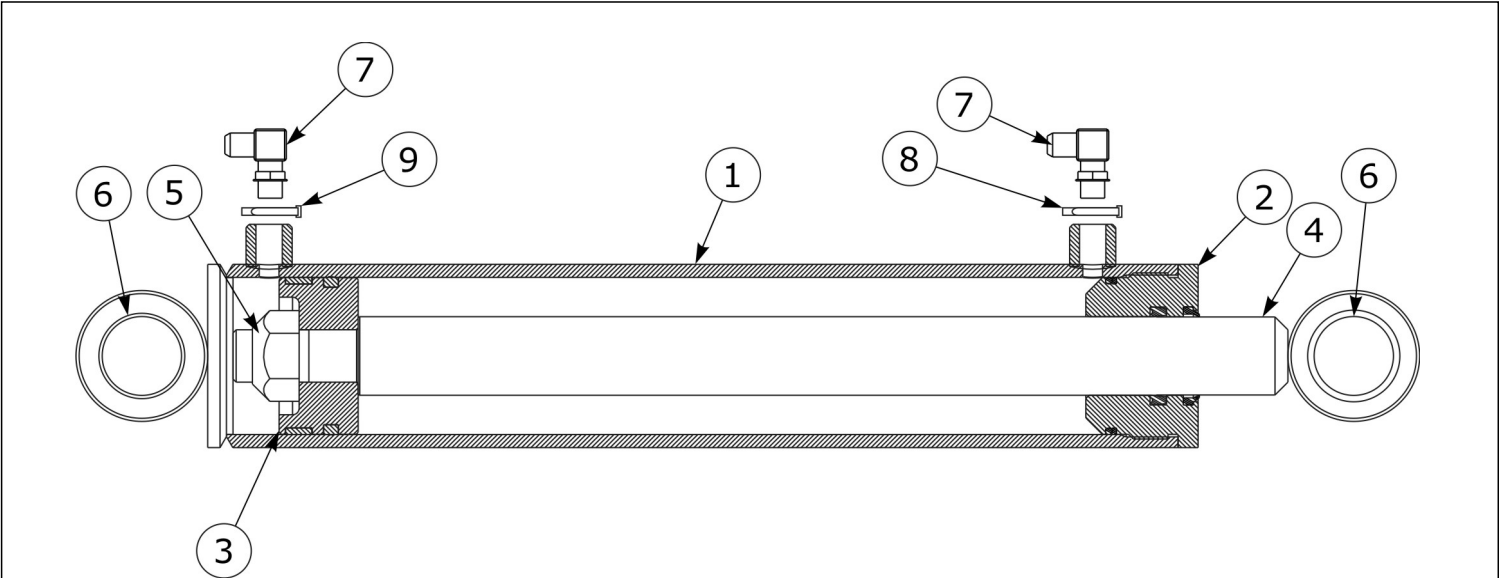
ITEM	PART NO.	QTY.	DESCRIPTION
	02981279	1	CYLINDER ASY, 4" BORE X 24.63" STROKE
1	02981929	1	BARREL WELDMENT
2	02981930	1	ROD WELDMENT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

HYDRAULIC CYLINDER ASY - HEAD SWIVEL (OPTIONAL)



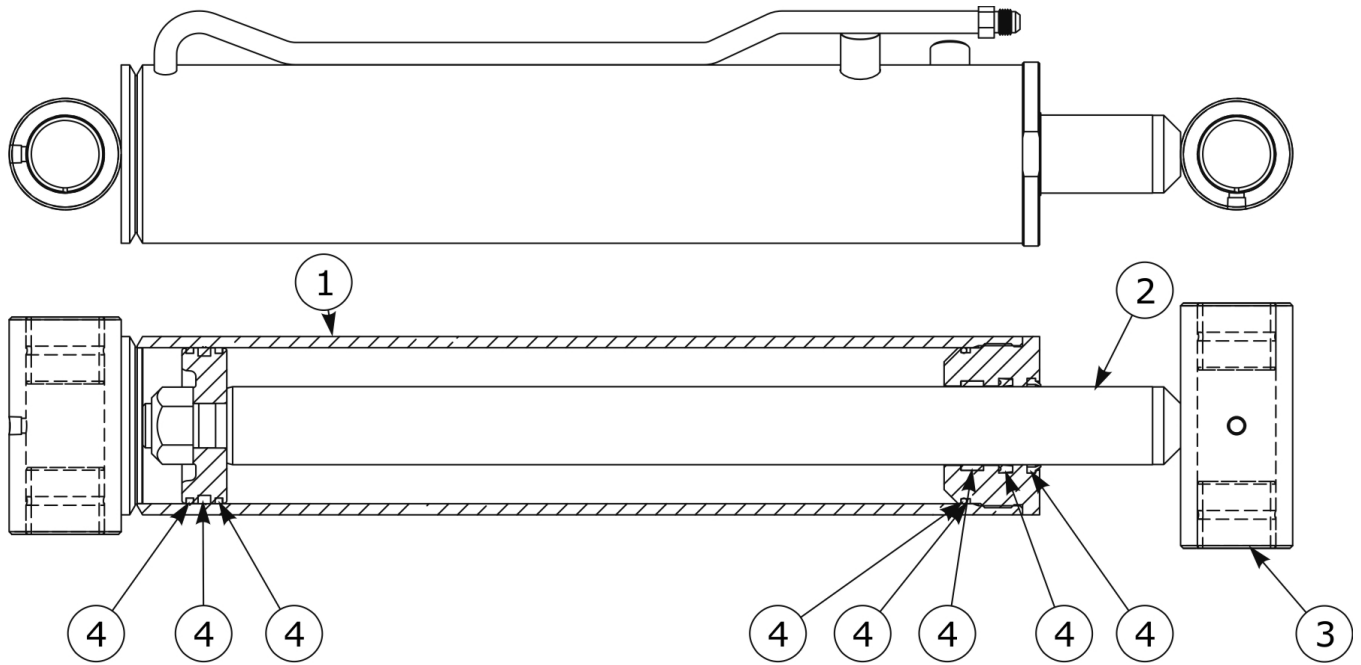
ITEM	PART NO.	QTY.	DESCRIPTION
	02961480A	1	DOOR CYLINDER ASY.
1	5JRC12160	1	LOCKNUT
2	33309	1	PISTON
3	02975865	1	ROD WLD'MT
4	02975866	1	TUBE / BARREL WLD'MT
5	02975867	1	CYLINDER HEAD
6	* SEAL KIT	1	ROD WIPER SEAL (IN ITEM 12)
7	* SEAL KIT	1	ROD SEAL (IN ITEM 12)
8	* SEAL KIT	1	O-RING (IN ITEM 12)
9	* SEAL KIT	1	SEAL (IN ITEM 12)
10	* SEAL KIT	1	PISTON SEAL (IN ITEM 12)
11	-----	2	O-RING F/ O-RING BOSS FITTING
12	02975528	1	SEAL KIT (ITEMS 6 THRU 10)

HYDRAULIC CYLINDER ASY - SWING



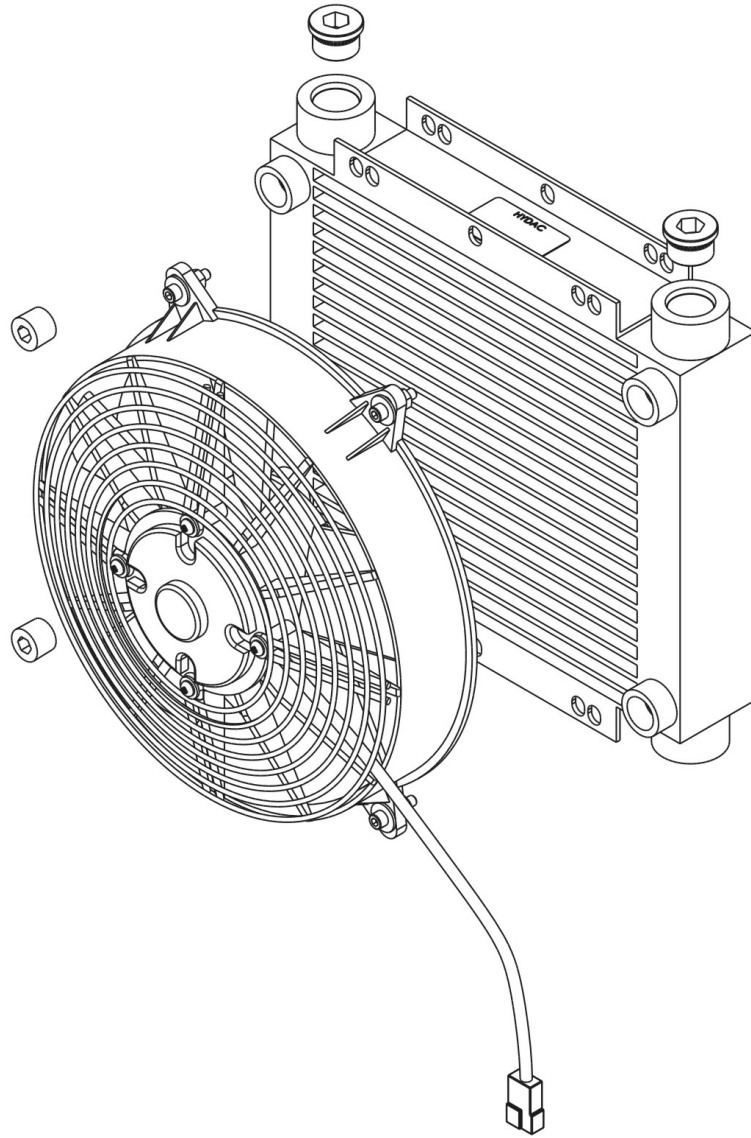
ITEM	PART NO.	QTY.	DESCRIPTION
	02968840	1	SWING CYL ASSEMBLY
	02967172A	1	SWING CYL 3BORE 13-13/16
1	02975463	1	WLDMT TUBE 3.00-13.81-W-S
2	02975450	1	HEAD,CYLINDER 3 X 1.50
3	02975454	1	PISTON 3.00-1.00-S-WR-PSP
4	02975459	1	WLDMT ROD 1.50-13.81-W-S
5	5JRC16140	1	LOCKNUT TLM 1 NF PL
6	02987750	3	BUSHING CONNEX 1-3/4 X1 -1/2X2
7	63149100	2	ADP HYD ELBOW 6MB-6MJ90
8	02968832	1	VINYL TAPE GREEN 1/2" WIDE
9	02968833	1	VINYL TAPE GREEN 1/4
10	00752670	2	FITTING,GREASE STRAIGHT 1/4-28 (NOT SHOWN)
11	02975530	1	SEAL KIT (NOT SHOWN)

HYDRAULIC CYLINDER ASY - TILT



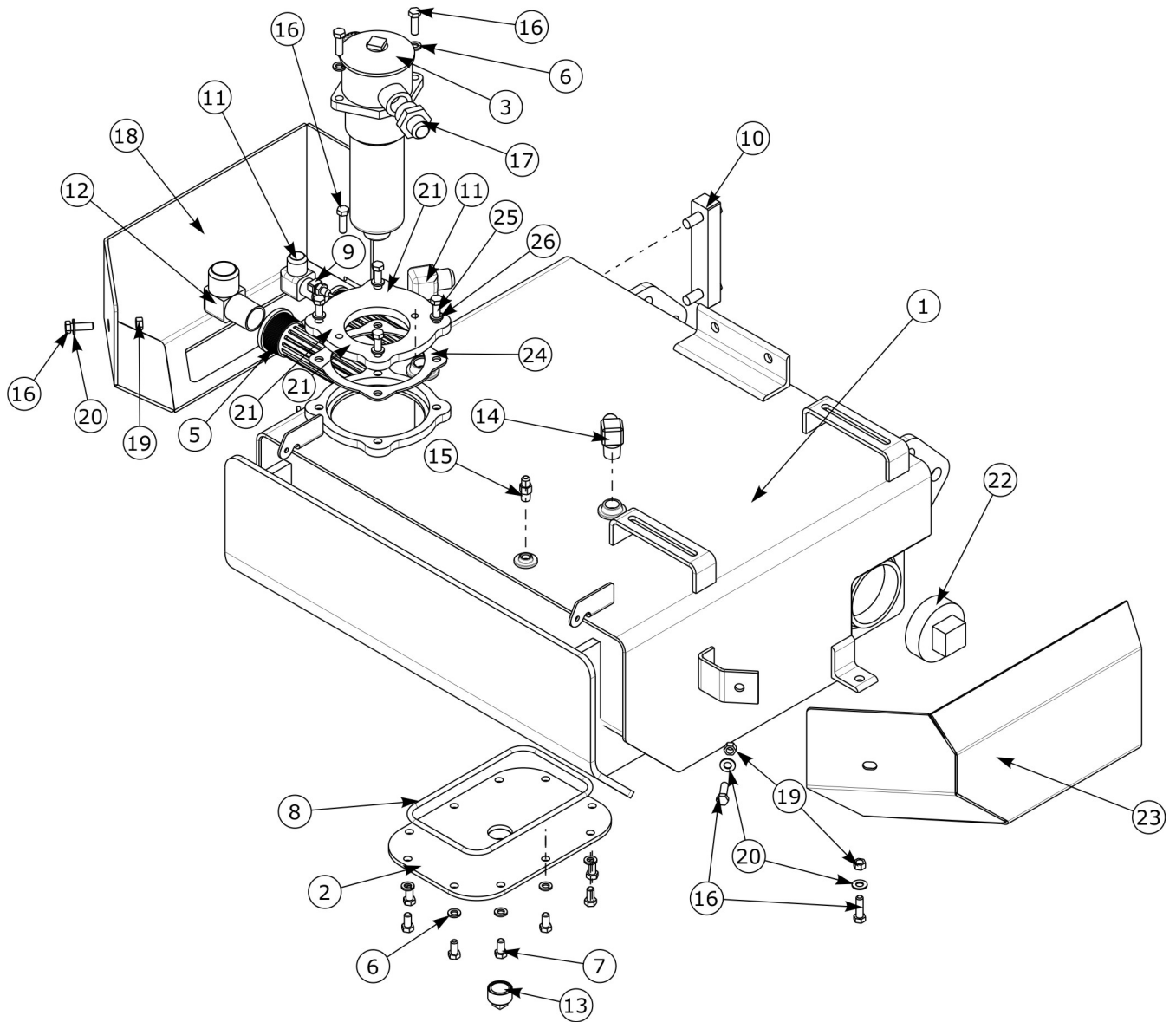
ITEM	PART NO.	QTY.	DESCRIPTION
	02984944	1	CYLINDER, 3.5B X 1.75R X16S
1	02986286	1	ASY, BARREL, TILT CYL,02984944
2	02986287	1	ROD WLD`MT
3	02982250	2	BUSHING ROD END 1-1/2" LG
4	02986288	1	SEAL KIT

HYDRAULIC OIL COOLER AND FAN ASY



ITEM	PART NO.	QTY.	DESCRIPTION
1	02981377	1	HYD OIL COOLER & ELECTRIC FAN ASY.
	02981886	1	HEAT EXCHANGE CORE
	02981887	1	HEAT EXCHANGE FAN

HYDRAULIC TANK SUB-ASY

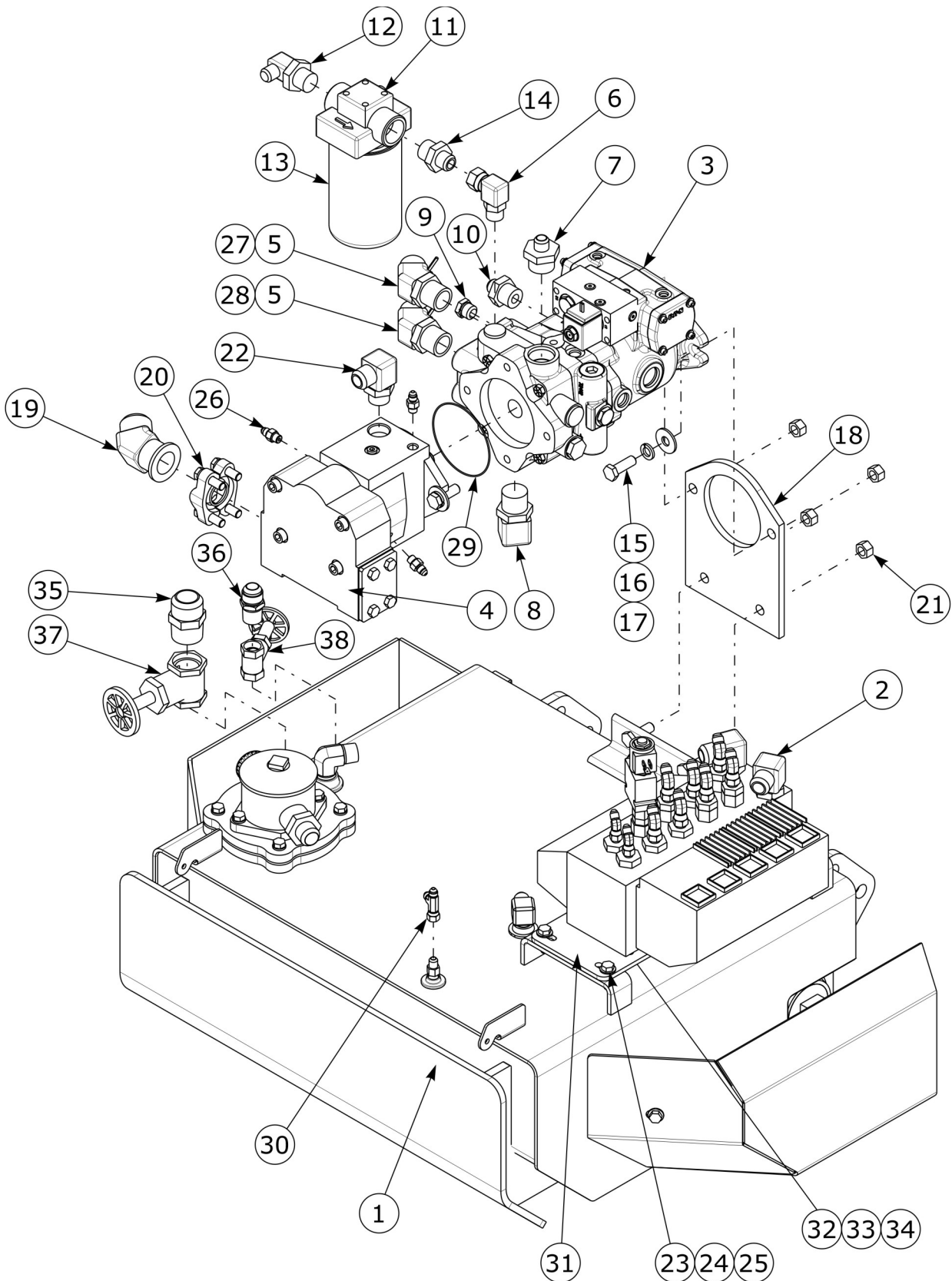


HYDRAULIC TANK SUB-ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02988548	1	SUB-ASY HYDRAULIC TANK
1	02989139	1	TANK, WLDMT, HYD, DUAL PUMP
2	02981413	1	WELDMENT, COVER, CLEANOUT
3	02985828	1	FILTER, RETURN, VISUAL INDICATOR
4	02968166	1	STRAINER, SUCTION 1-1/4 WITH 3/4" OULET
5	02964345	1	STRAINER, SUCTION 2 WITH 1-1/4 OUTLET
6	00012101	12	LOCKWASHER, 3/8" PL
7	00002000	10	HHCS 3/8 NC 3/4 PL5
8	02981400	1	O-RING, CLEANOUT SEAL
9	02981412	1	SENSOR, TEMPERATURE
10	02968880	1	GAUGE, TEMP LEVEL INDICATOR
11	02041800	2	ADP, HYD ELBOW 12MP - 12MJ 90
12	02958920	1	ADP, HYD ELBOW 20MP - 20MJ 90
13	02963659	1	PLUG, MAGNETIC 1" NPT
14	02825900	1	ADP, HYD 8MP - 8MJ 90
15	02823200	1	ADP, HYD 4MP - 4MJ ST
16	00753642	6	HHCS 3/8 NC 1-1/4 PL5
17	02958316	1	ADP, HYD 16MB - 12MJ ST
18	02981386	1	ASY, SHIELD FORMED
19	00015800	4	LOCKNUT TLM 3/8 NC PLC
20	00011100	4	FLATWASHER 3/8 STD
21	02982876	1	PLATE FILTER ADAPTER
22	02982877	1	PIPE PLUG 3"
23	02982871	1	DRIVER SIDE COVER WELDMENT
24	02963662	1	GASKET, FILTER ASY, FIBER
25	00011400	4	BOLT, HHCS 3/8 NC 1 PL5
26	03101646	4	HIGH ALLOY, L/W 3/8 YZ

HYDRAULIC TANK W/PUMP AND ELECT VALVE ASY



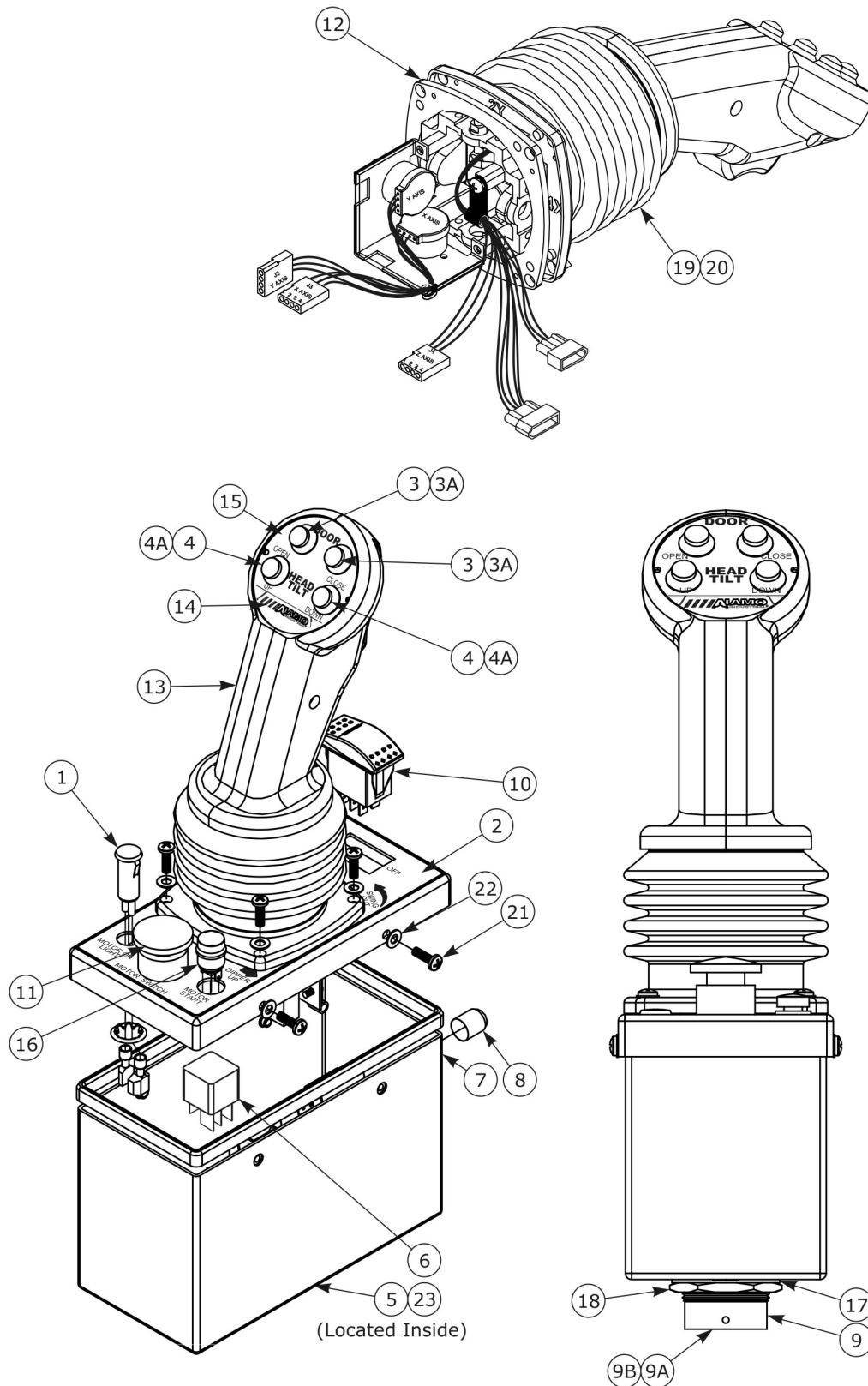
HYDRAULIC TANK W/PUMP AND ELECT VALVE ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987401	1	ASY, COMPLETE, TANK & VALVE
1	02988548	1	ASY, TANK, HYDRAULIC
2	02984219	1	ASY, VALVE & FITTINGS
3	02978986	1	PUMP, HYDROSTAT
4	02981369	1	PUMP, LS VARIABLE DISP
5	02043600	2	ADP, HYD ELBOW 16MB - 16MJ 45
6	02981435	1	ADP, HYD ELBOW 10MB - 10FJX 90
7	02968167	1	ADP, HYD 16MB - 8MJ ST
8	02822700	1	ADP, HYD ELBOW 16MB - 12MJ 90
9	03200587	1	ADP, HYD. 8MB PLUG
10	63042700	1	ADP, HYD ST 12MB - 8MJ
11	02968922	1	ASY, PRESSURE FILTER HEAD
12	02161400	1	ADP, HYD ELBOW 12MB - 8MJ 90
13	02968923	1	ELEMENT, PRESSURE
14	02981437	1	ADP, HYD ST 12MB - 10MJ
15	02892000	6	HHCS 1/2NC 1-1/2 LG PL8
16	00001300	4	LOCKWASHER 1/2
17	00759635	4	FLATWASHER, 1/2 HARDENED
18	02981468	1	BRACKET, SHIPPING
19	02981463	1	FLANGE, ADP 1-1/4 X 20MJIC 45
20	00749103	1	#20 SPLIT FLANGE KIT
21	00001800	4	LOCKNUT TLM 1/2 NC PLC
22	02090800	1	ADP, HYD ELBOW 12MB - 12MJ 90
23	00753642	4	HHCS 3/8 NC 1-1/4 PL5
24	00011100	4	FLATWASHER 3/8 STD
25	00015800	4	LOCKNUT TLM 3/8 NC PLC
26	02962181	3	ADP HYD STGHT 4MB-4MJ
27	02968896	1	VINYL TAPE BLUE 1/2" WIDE
28	02968894	1	VINYL TAPE RED 1/2" WIDE
29	02982469	1	O-RING 4"ID X 1/16"
30	02970702	1	ADP HYD TEE 4MJ-4MJ-4FJX
31	02983892	1	PLATE, ADP, PVG32
32	10119000	4	HHCS 5/16 NC 1 PL5
33	00011700	4	LOCKWASHER 5/16 PL STD
34	00023500	4	FLATWASHER 5/16, TYPE AW, ZP
35	02960809	1	ADP, HYD STGHT 20MP-20MJ
36	02964518	1	ADP, HYD STGHT, 12MP-12MJ
37	02987778	1	VALVE, SHUTOFF 1-1/4FP BONNET
38	02987777	1	VALVE, SHUTOFF 3/4FP BONNET

02987881P - Machete 2 HF (West Virginia) (01-09)_10-19

JOYSTICK CONSOLE ASY

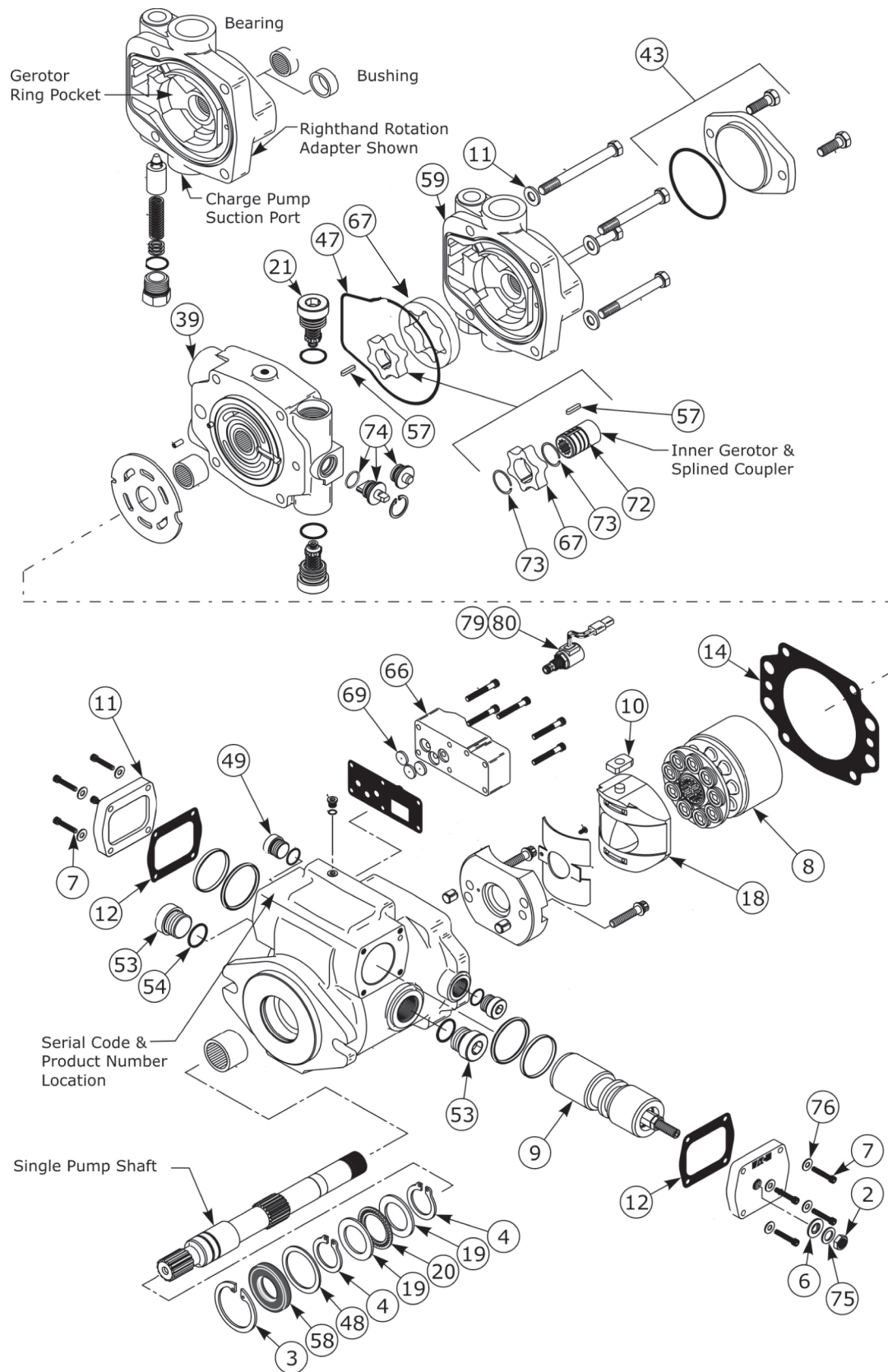


JOYSTICK CONSOLE ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987829	1	JOYSTICK ASSEMBLY W/ COMPONENTS
1	02981020	1	LED RED 12VDC
2	02981021	1	DECAL JOYSTICK OPERATION CNSLE
3	02981022	2	SWITCH MOMNTRY PUSHBUTTON RED
3A	02983472	2	PUSH BUTTON COVER, RED
4	02981023	2	SWITCH MOMNTRY PUSHBUTTON BLK
4A	02983473	2	PUSH BUTTON COVER, BLACK
5	02981024	1	SOCKET RELAY
6	02981025	1	RELAY SPDT 12VDC 20A
7	02981026	1	CIRCUIT BREAKER 10A PANEL MNT
8	02981027	1	BOOT CIRCUIT BREAKER COVER
9	02977642	1	CONNECTOR RECEPTACLE
9A	02977645	17	PIN, 16-18 AWG
9B	02977646	4	PIN, 12AWG
10	02977043	1	SWITCH ROCKER DPDT W/GREEN LED
11	02981028	1	SWITCH PUSH PULL
12	02981029	1	JOYSTICK ASSEMBLY
13	02981031	1	HANDLE ASSEMBLY
14	02981032	1	DECAL SWITCH OPERATION HANDLE
15	02981033	1	ASSEMBLY PUSHBUTTON FACE PLATE
16	02981030	1	SWITCH MOMENTARY PUSHBUTTON
17	02977644	1	LOCKWASHER - 24 SHELL SIZE
18	02977643	1	NUT, PANEL - 24 SHELL SIZE
19	02983475	1	POTENTIOMETER - SWING
20	02983476	2	POTENTIOMETER - LIFT & DIPPER
21	02983477	8	MACHINE SCREW #10-32 5/8 LG.
22	02983478	8	WASHER #10 NYLON
23	02963584	1	LOCKNUT 8-32 PL
	02987905	1	TRIGGER SWITCH
	02991141	1	HARNESS,RESISTOR,DANFOSS VLV

PISTON PUMP CCW 3.0 CID HYSTAT (PART 1)- PN 02978986

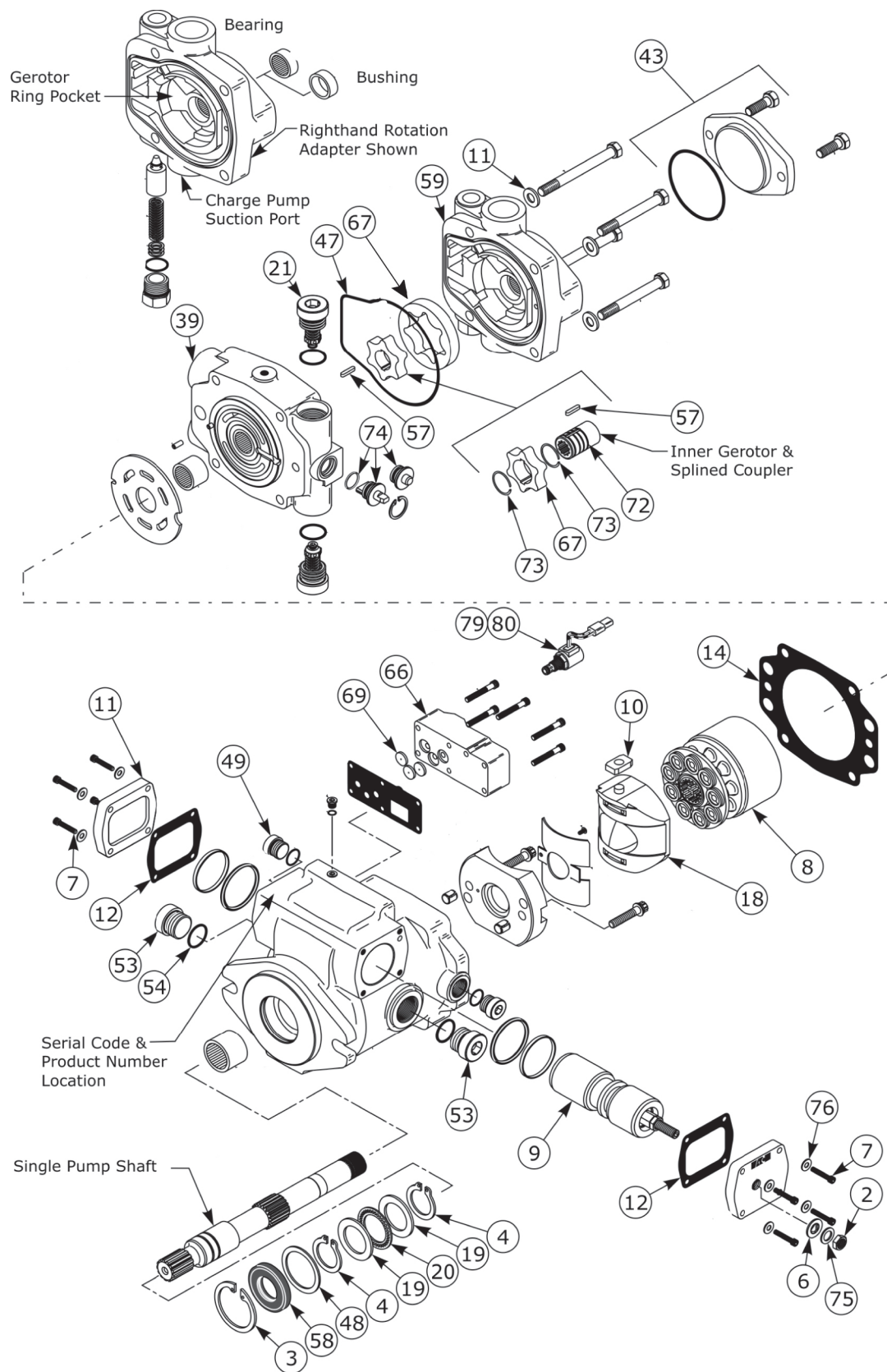


PISTON PUMP CCW 3.0 CID HYSTAT (PART 1)- PN 02978986

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
2	02977418	1	NUT, JAM
3	02977419	1	RING, RETAINING
4	02977420	2	RING, RETAINING
6	02977421	1	WASHER, SEAL
7	02977422	8	SCREW, CAP
8	02977423	1	ROTATING KIT, SUBASSY
9	02977424	1	SERVO PISTON SUBASSY
10	02977425	1	FOLLOWER, SERVO PISTON
11	02977426	1	PLATE, COVER
12	02977427	2	GASKET, COVER PLATE
14	02977428	1	GASKET, HOUSING
17	02977430	1	PLATE, COVER
18	02977431	1	CAMPLATE, SUBASSY
19	02977432	2	RACE, THRUST
20	02977433	1	BEARING, THRUST
21	02977434	2	RELIEF VALVE SUBASSY
28	02977440	1	HOUSING SUBASSY
	02989688	1	HOUSING, CCW, SERVO PUMP
	02977527	1	BEARING (PRESS FIT)
	02977528	1	PLUG, SUB-ASSY
	02977529	1	O-RING .064 DIA X .239INSIDE
**	02989690	1	SUB-ASY, CRADLE, SERVO PUMP
	02989691	2	PIN, DOWEL, SERVO PUMP
	02988733	1	BUSHING
**	02977533	2	CAP SCREW, BUTTON HEAD
	02977534	2	CAP SCREW
	02977535	2	SEAL SUBASY
39	02977441	1	BACKPLATE SUBASSY
	02977536	1	BEARING, PRESS FIT
	02977537	1	ROLL PIN
43	02992749	1	KIT, COVER PLATE FOR SAE B PAD
	02992751	1	O-RING
	02992752	2	SCREW CAP
	02992750	1	PLATE, COVER
47	02977443	1	O-RING MOLDED
48	02977445	1	WASHER
49	02977446	2	PLUG, SUBASSY
50	02977538	2	O-RING .087 DIA X .644INSIDE
53	02977447	2	PLUG, SUBASSY
54	02977539	2	O-RING .116 DIA X .924INSIDE

PISTON PUMP CCW 3.0 CID HYSTAT (PART 2)- PN 02978986

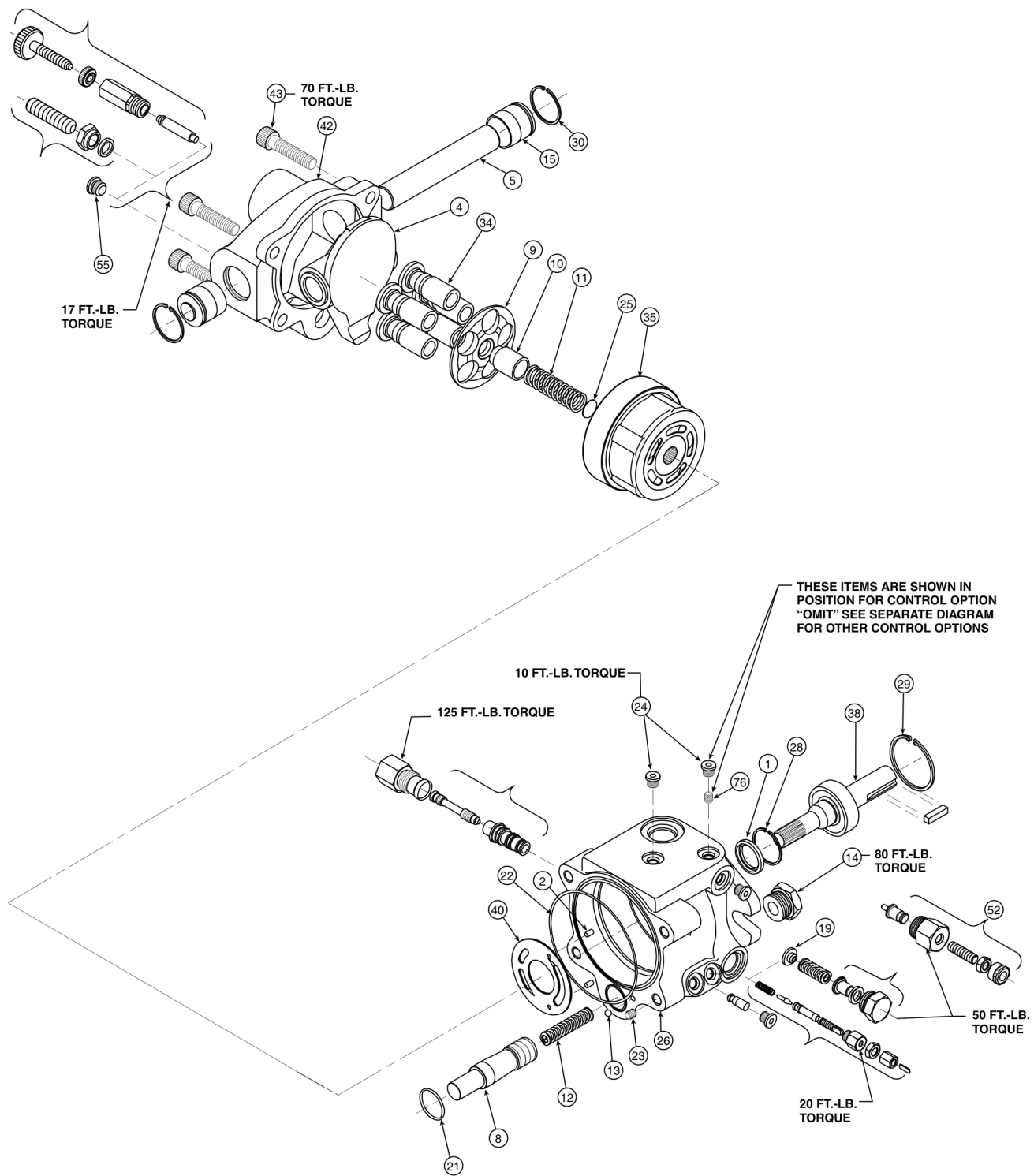


PISTON PUMP CCW 3.0 CID HYSTAT (PART 2)- PN 02978986

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
57	02977448	1	KEY
58	02977199	1	SEAL PUMP SHAFT
59	02992736	1	CHARGE PUMP ASSEMBLY
66	02970206	1	ASY SOLENOID SERVO CONTROL
67	02992737	1	SUB-ASSY GEROTER, INNER/OUTER
69	02977453	3	ORIFICE, CONTROL VALVE
72	02992738	1	COUPLER, PISTON, "B" PAD
73	02977457	2	RING, RETAINING
74	02977458	1	PLUG SUBASSY
75	02977459	1	WASHER
76	02977460	8	WASHER
77	02977461	4	WASHER
78	02977462	1	RING LOCK
79	02972835	-	OLD CARTRIDGE VALVE W/O COIL
	02983257	1	CARTRIDGE SOL VLV 3-WAY 2-POS
80	02972836	1	OLD STYLE COIL (SQUARE)
	02983256	1	COIL 12VDC (ROUNDED)
	02977086	1	SEAL KIT - PUMP

PUMP ASY - VARIABLE DISPLACEMENT



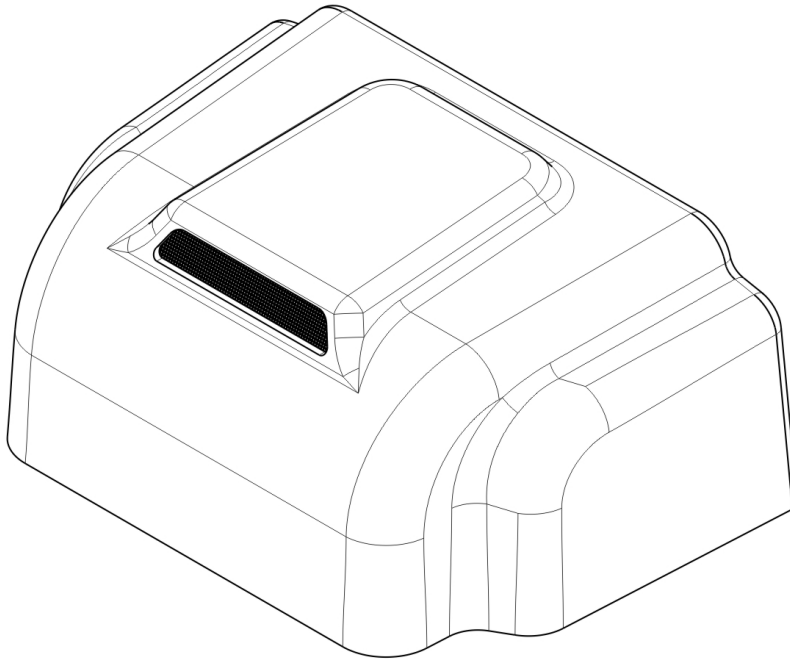
PUMP ASY - VARIABLE DISPLACEMENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02981369	1	PUMP, LS VARIABLE DISP
1	02989619	1	SEAL, SHAFT, PAVC PUMP
2	02989620	2	PLATE, PIN-PORT, PAVC PUMP
4	02989621	1	PLATE, SWASH, PAVC PUMP
5	02989622	1	TRUNNION PIN, PAVC PUMP
6	02989623	2	SCREW, DRIVE, PAVC PUMP
8	02989624	1	SERVO PISTON, PAVC PUMP
9	02989625	1	RETAINER, PAVC PUMP
10	02989626	1	BALL, SEAT, PAVC PUMP
11	02989627	1	SPRING BARREL, PAVC PUMP
12	02989628	1	SPRING, SERVO, PAVC
13	02989629	1	BALL, PAVC PUMP
14	02989630	1	ASY, PLUG, SERVO, PAVC
15	02989631	2	ASY, CAP, TRUNNION
19	02989632	1	SPRING, RETAINER
22	02989634	1	O-RING, PAVC PUMP
24	02989635	2	PLUG, PAVC PUMP
	02989636	1	PLUG, PAVC PUMP
25	02989637	1	RETAINER, PAVC PUMP
26	02989638	1	BUSHING, BARREL, PAVC
28	02989639	1	SNAP RING, PAVC33 PUMP
29	02989640	1	SNAP RING, PAVC33 PUMP
30	02989641	2	SNAP RING, PAVC33 PUMP
38	02989644	1	ASY, SHAFT, SPLINE, PAVC33
40	02989651	1	PLATE, PORT, CCW, PAVC
41	02989652	1	HSG, LH, PAVC33 PUMP
42	02989645	1	HSG, TRUNNION, PAVC33
43	02989646	4	SCREW, CAP, PAVC33
46	02989647	2	SCREW, HEX HEAD, PAVC33
47	02989648	2	LOCKWASHER, PAVC33 PUMP
48	02989649	1	FLANGE, PAVC33 PUMP
49	02989633	1	O-RING, PAVC PUMP
50	02989653	1	ASY, DIFF, NON ADJ, PAVC33
55	02989650	1	PLUG, PAVC33 PUMP
76	02989654	1	PLUG, ORIFICE
	02989642	5	ASY, PISTON, PAVC33
	02989643	1	BARREL, PAVC33 PUMP
	02989655	1	KIT, SEAL, PAVC33 PUMP

02987881P - Machete 2 HF (West Virginia) (01-09)_10-19

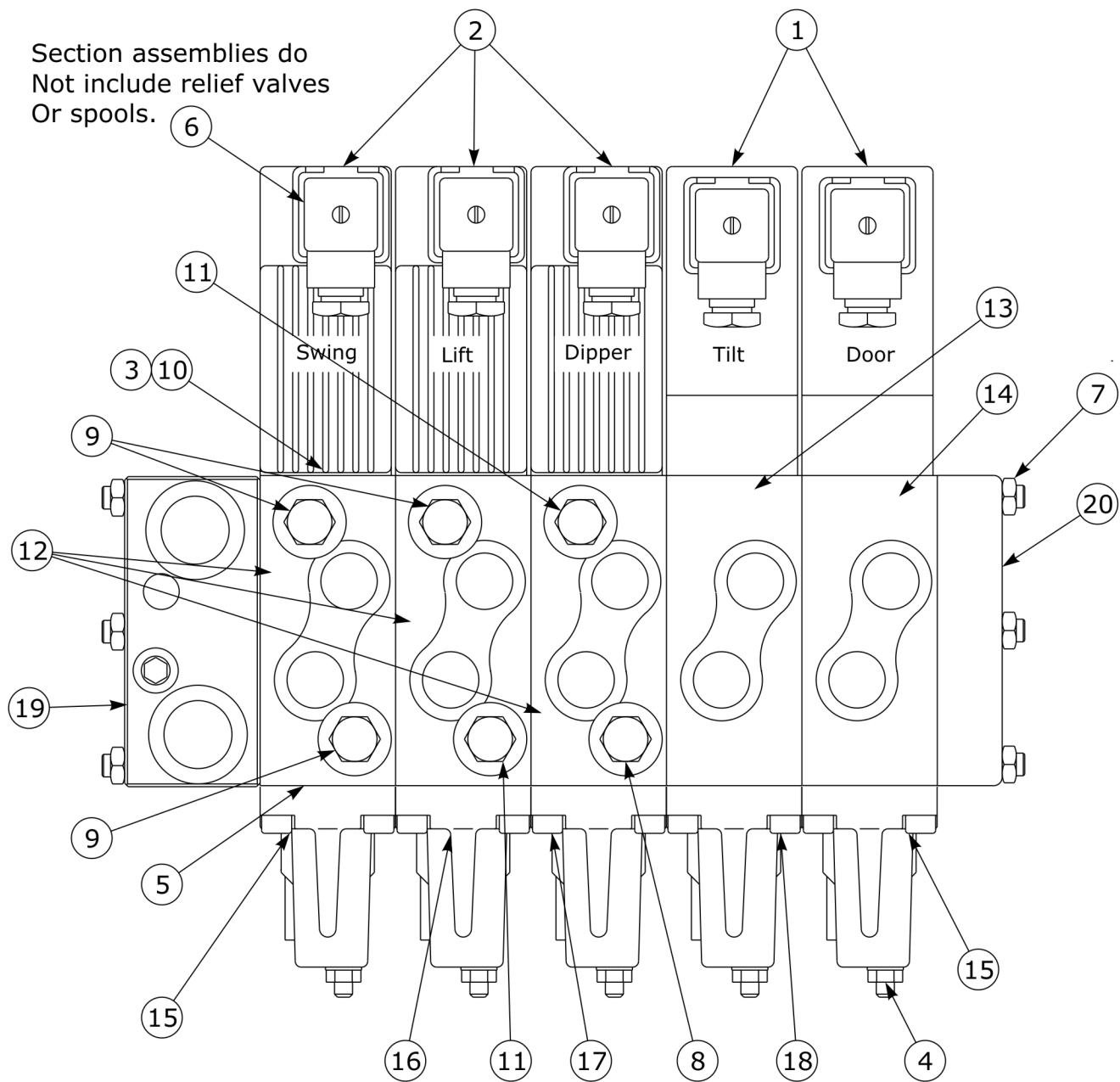
PUMP-TANK-VALVE COVER



ITEM	PART NO.	QTY.	DESCRIPTION
1	02981381	1	ASY, PUMP COVER
-	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02986111	3.3	CABLE, PUMP COVER 36" LG
	00001000	2	CABLE CLAMP

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VALVE - PARTS - OPEN & CLOSED CENTER

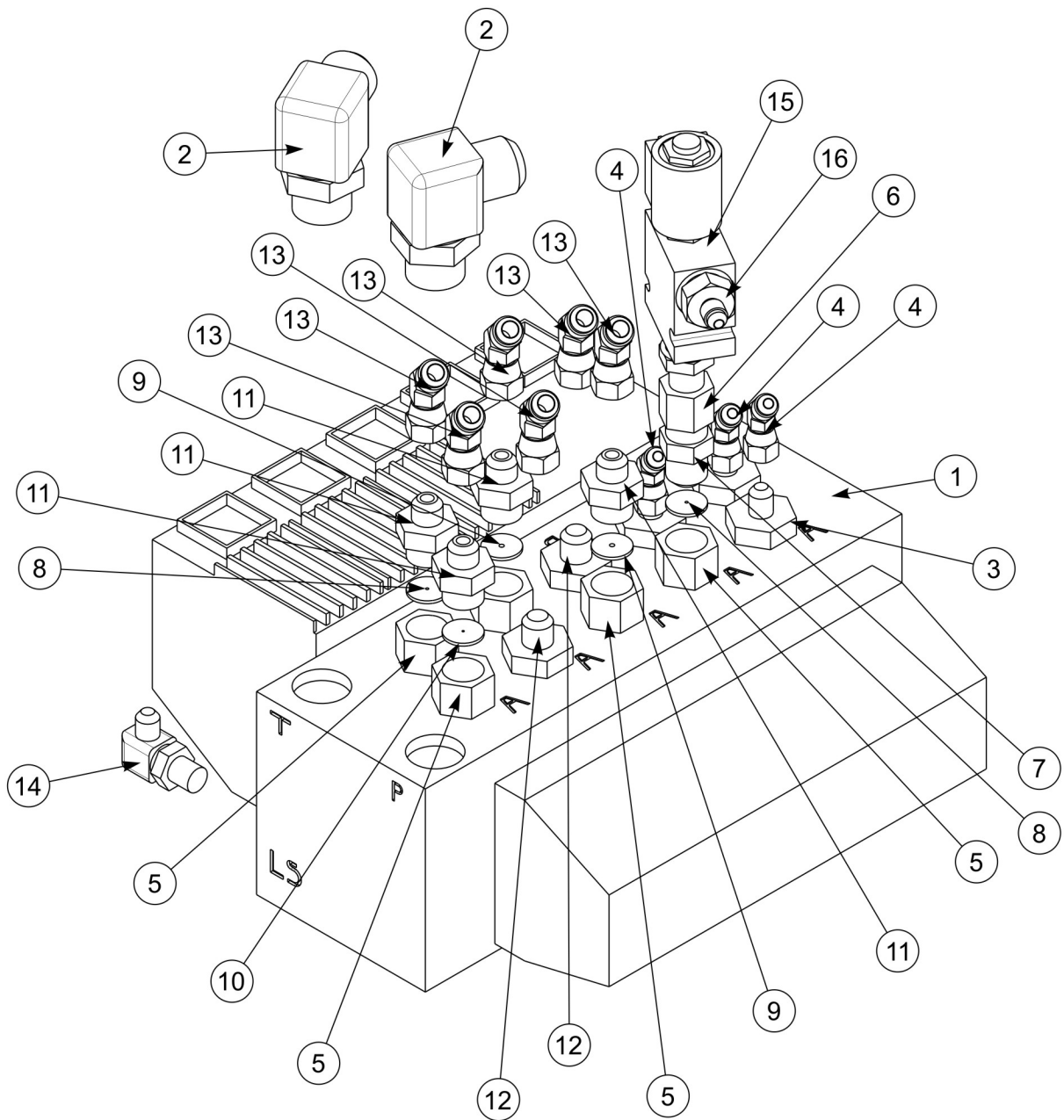


VALVE - PARTS - OPEN & CLOSED CENTER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02971378	1	VALVE ASY, CCLS
1	02974004	2	ELECTRIC MODULE, DOOR & TILT
2	02974005	3	ELECTRIC MODULE, SWING LIFT & DIPPER
3	02974027	5	SEAL KIT, MODULE TO VALVE SECTION
4	02974838	5	HANDLE MODULE
5	02975950	5	SEAL KIT, HANDLE TO VALVE SECTION
6	02976024	5	CONNECTOR GASKET
7	02977032	1	VALVE ASY KIT (W/ TIE BOLTS & SEAL)
8	02977414	1	RELIEF VALVE, 2755 PSI
9	02977745	3	RELIEF VALVE, 2030 PSI
10	02977851	20	BOLT
11	02977957	2	RELIEF VALVE
12	02980656	3	SECTION,BARE,SWING,LIFT,DIPPER
13	02980657	1	SECTION,BARE, TILT
14	02980658	1	SECTION,BARE, DOOR
15	02980659	2	SPOOL, SWING OR DOOR
16	02980660	1	SPOOL, LIFT
17	02980661	1	SPOOL, DIPPER
18	02980662	1	SPOOL, TILT
19	02980663	1	SECTION, INLET (CCLS)
20	02980665	1	SECTION, END CAP

VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

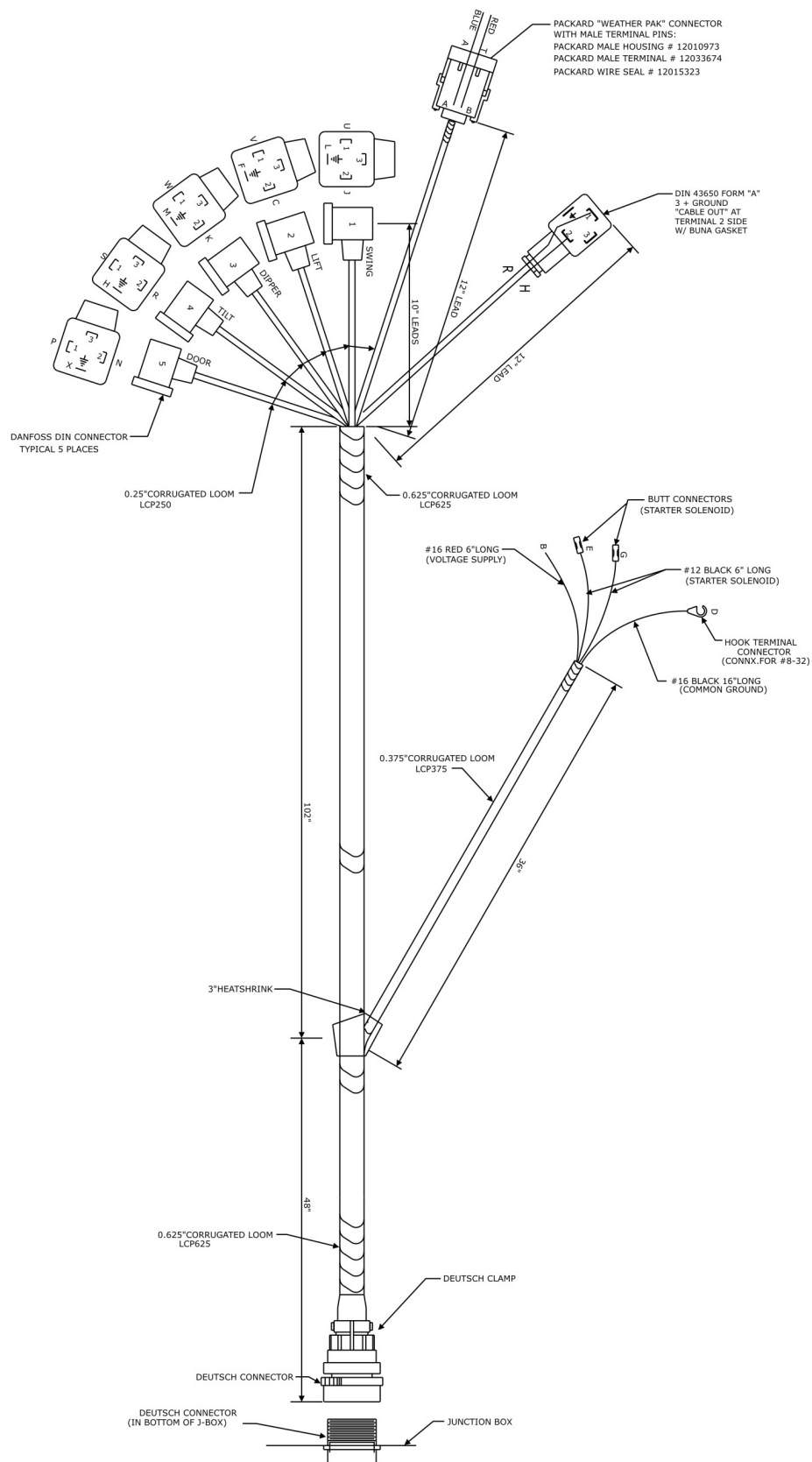


VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02984219	1	ASY, VALVE & FITTINGS
1	02971378	1	VALVE, PVG32 O-CTR
2	02090800	2	ADP, HYD ELBOW 12MB - 12MJ 90
3	02972179	3	ADP, HYD ST 10MB - 4MJ
4	02976532	3	ADP, HYD, 4MJ-4FJX 45
5	02972113	5	ADP, HYD 10MB - 8FB
6	02975438	1	ADP, HYD STGHT 8FJX-8MB
7	00696800	1	ADP HYD STGHT 8MB-8MJ
8	02969398	2	ORIFICE, .055 RESTRICTOR
9	02988583	2	ORIFICE, .094 RESTRICTOR
10	02969399	1	ORIFICE, .040 RESTRICTOR
11	02968850	4	ADP, HYD ST 8MB-6MJ
12	02972177	2	ADP, HYD ST 10MB - 6MJ
13	02976531	6	ADP HYD ELBOW 6MJ-6FJX 45
14	02972178	1	ADP, HYD ELBOW 12MB - 8MJ 90
15	02972208A	1	ASY, VALVE SOLENOID
16	02822300	1	ADP, HYD ST 8MB-4MJ
-----	02998197	1	RELIEF, MAIN 2700 PSI

WIRE HARNESS ELECT-HYD VALVE

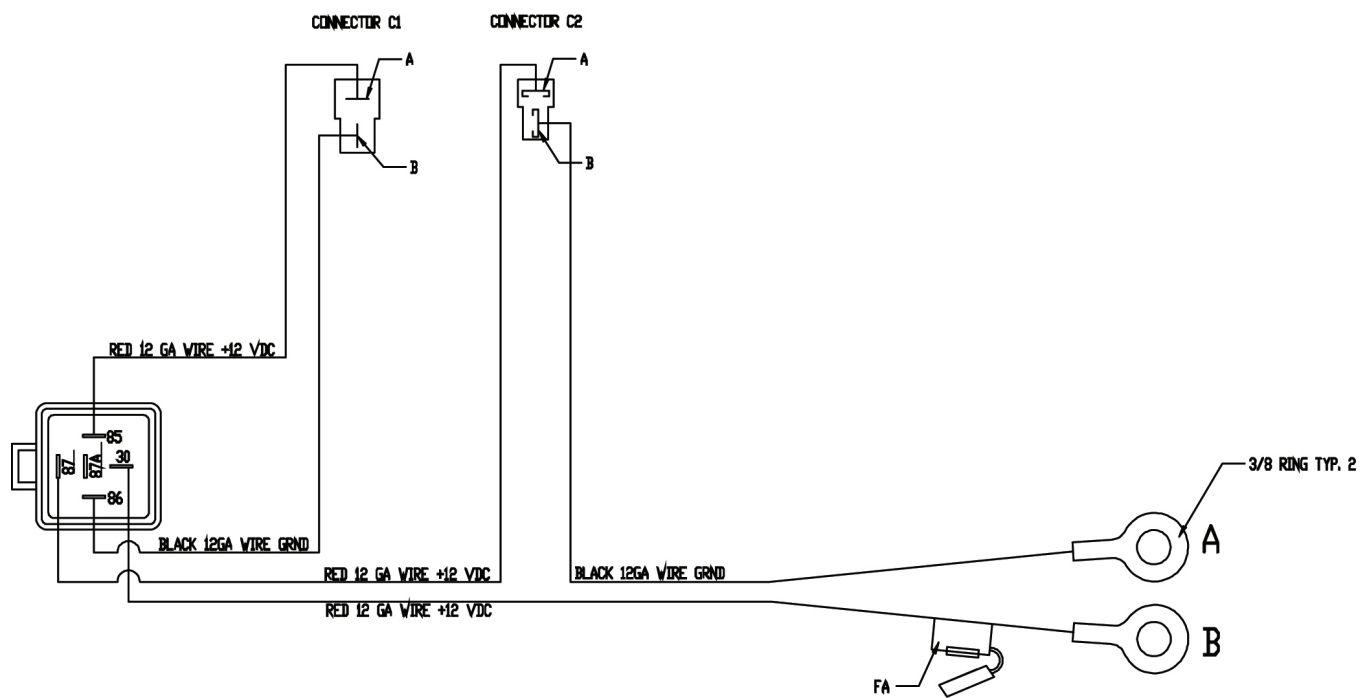


WIRE HARNESS ELECT-HYD VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02984735	1	ASY, HARNESS, MACHETE

WIRE HARNESS, FAN CONT, HELLA RELAY



ITEM	PART NO.	QTY.	DESCRIPTION
	02993069	1	HARNESS, FAN CONT, HELLA RELAY



TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manuals thoroughly and follow these directions and the Safety Messages in this Manual. The Table of Contents clearly identifies each section where you can easily find the information you need.

The OCCUPATIONAL SAFETY AND HEALTH ACT (1928.51 Subpart C) makes these minimum safety requirements of tractor operators:

REQUIRED OF THE OWNER

1. Provide a Roll-Over-Protective Structure that meets the requirements of this standard.
2. Provide seat belts that meet the requirements of this paragraph of this standard and SAE J4C.
3. Ensure that each employee uses such seat belt while the tractor is moving.
4. Ensure that each employee tightens the seat belt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seat belt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly, no jerky turns, starts, or stops.
8. Hitch only to the draw bar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available.



Keep children away from danger all day, every day...



Equip tractors with rollover protection (ROPS) and keep all machinery guards in place...



Please work, drive, play and live each day with care and concern for your safety and that of your family and fellow citizens.

ALAMO INDUSTRIAL

Limited Warranty

1. Limited Warranties

- 1.01. Alamo industrial warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("purchaser") and warrants for six months to the original commercial or industrial purchaser ("purchaser") that the goods purchased are free from defects in material or workmanship.
- 1.02. Manufacturer will replace for the purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship.
- 1.03. This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your operator's manual.
- 1.04. Except as provided herein, no employee, agent, dealer, or other person is authorized to give any warranties of any nature on behalf of manufacturer.

2. Remedies And Procedures

- 2.01. This limited warranty is not effective unless the purchaser returns the registration and warranty form to manufacturer within 30 days of purchase.
- 2.02. Purchaser claims must be made in writing to the authorized dealer ("dealer") from whom purchaser purchased the goods or an approved authorized dealer ("dealer") within 30 days after purchaser learns of the facts on which the claim is based.
- 2.03. Purchaser is responsible for returning the goods in question to the dealer.
- 2.04. If after examining the goods and/or parts in question, manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, manufacturer will:
 - (A) repair or replace the defective goods or part(s) or
 - (B) reimburse purchaser for the cost of the part(s) and reasonable labor charges (as determined by manufacturer) if purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by manufacturer. The choice of remedy shall belong to manufacturer.
- 2.05. Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by manufacturer and for returning the goods to the dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the dealer to the designated factory.

3. Limitation Of Liability

- 3.01. Manufacturer disclaims any express (except as set forth herein) and implied warranties with respect to the goods including, but not limited to, merchantability and fitness for a particular purpose.
- 3.02. Manufacturer makes no warranty as to the design, capability, capacity, or suitability for use of the goods.
- 3.03. Except as provided herein, manufacturer shall have no liability or responsibility to purchaser or any other person or entity with respect to any liability, loss, or damage caused or alleged to be caused directly or indirectly by the goods including, but not limited to, any indirect, special, consequential, or incidental damages resulting from the use or operation of the goods or any breach of this warranty. Notwithstanding the above limitations and warranties, manufacturer's liability hereunder for damages incurred by purchaser or others shall not exceed the price of the goods.
- 3.04. No action arising out of any claimed breach of this warranty or transactions under this warranty may be brought more than two (2) years after the cause of action has occurred.

4. Miscellaneous

- 4.01. Proper venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe county, Texas.
- 4.02. Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.
- 4.03. If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.
- 4.04. Applicable law may provide rights and benefits to purchaser in addition to those provided herein.

Keep for your records

Attention: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Alamo Industrial Implement Model _____ Serial Number _____
Date Purchased _____ Dealer _____

Attention:
Read your operator's manual



ALAMO INDUSTRIAL
1502 E. Walnut
Seguin, Texas 78155
830-379-1480



BUILT SHARPER®

An Alamo Group Company

1502 E. Walnut St.
Seguin, Texas 78155



Sales and Marketing

Tel 800.882.5762 Fax 830.379.0864
support@alamo-industrial.com

Warranty Registration/Claims

www.alamoparts.com

Return Authorizations

Online Part Orders
Techical Information
www.alamoparts.com
Tel 800.356.6286 Fax 800.322.5141
www.alamo-industrial.com

