



## Boom Arm

Rev 02-12

Part No.02988075P

# PART'S MANUAL



**¡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.

## ALAMO INDUSTRIAL

1502 E. Walnut  
Seguin, Texas 78155  
210-372-3551





# 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.**

<p>1.</p> 	<p>2. NO RIDERS. NO CHILDREN OPERATORS.</p> 	<p>3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, ROPS &amp; OPS.</p> 	<p>4. BLOCK UP SECURELY BEFORE WORKING UNDER.</p> 
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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.

<p>5. TRANSPORT SAFELY, LOCK UP.</p> 	<p>6. USE SMV, LIGHTS, &amp; REFLECTORS.</p> 	<p>7. DO NOT OPERATE WITH CUTTER OR WING RAISED</p> 	<p>8. DO NOT MOUNT OR DISMOUNT WHILE MOVING.</p> 
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## 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.

# 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

# **PARTS SECTION**

# 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.



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**

**ALAMO INDUSTRIAL**

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



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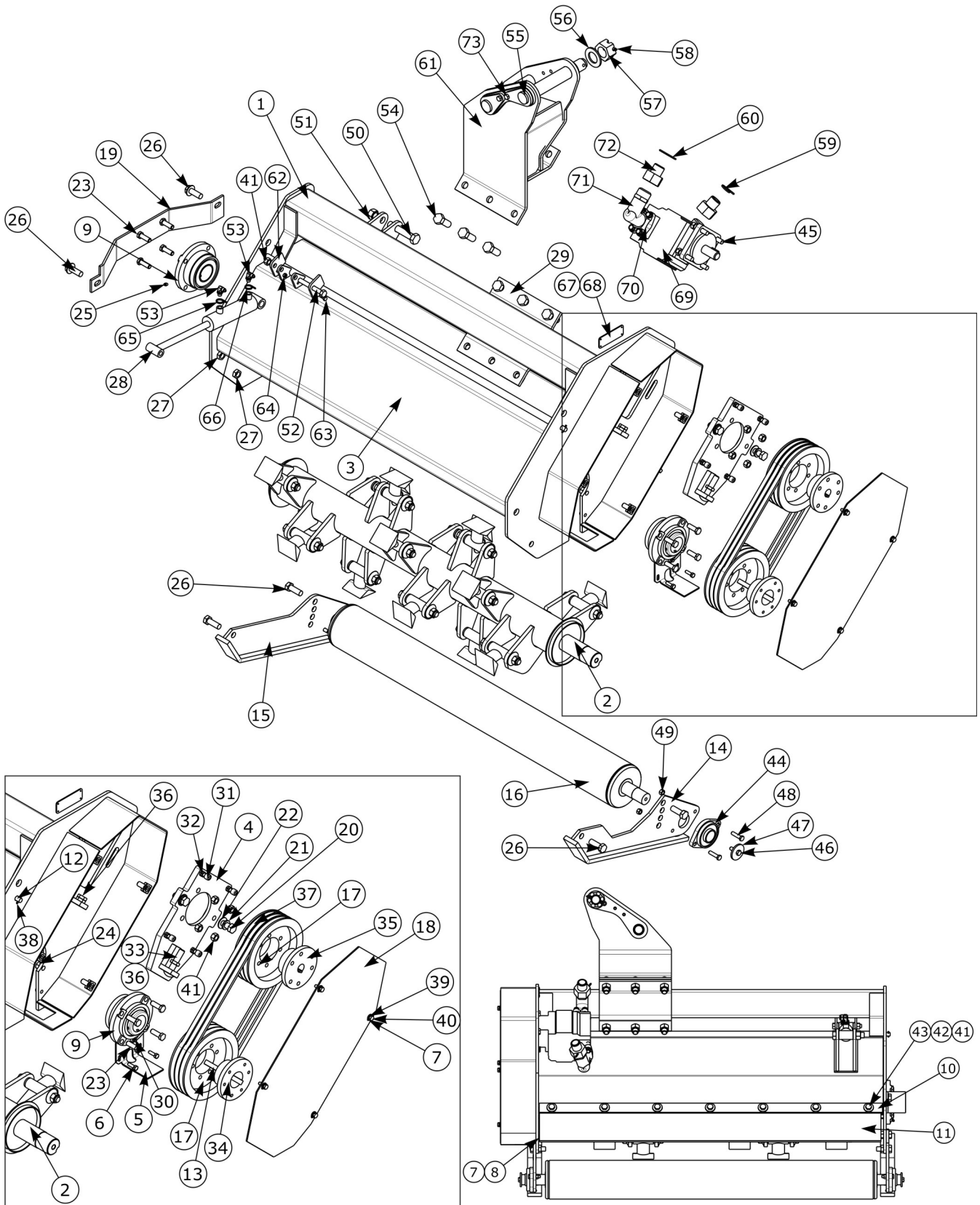
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# 48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1)

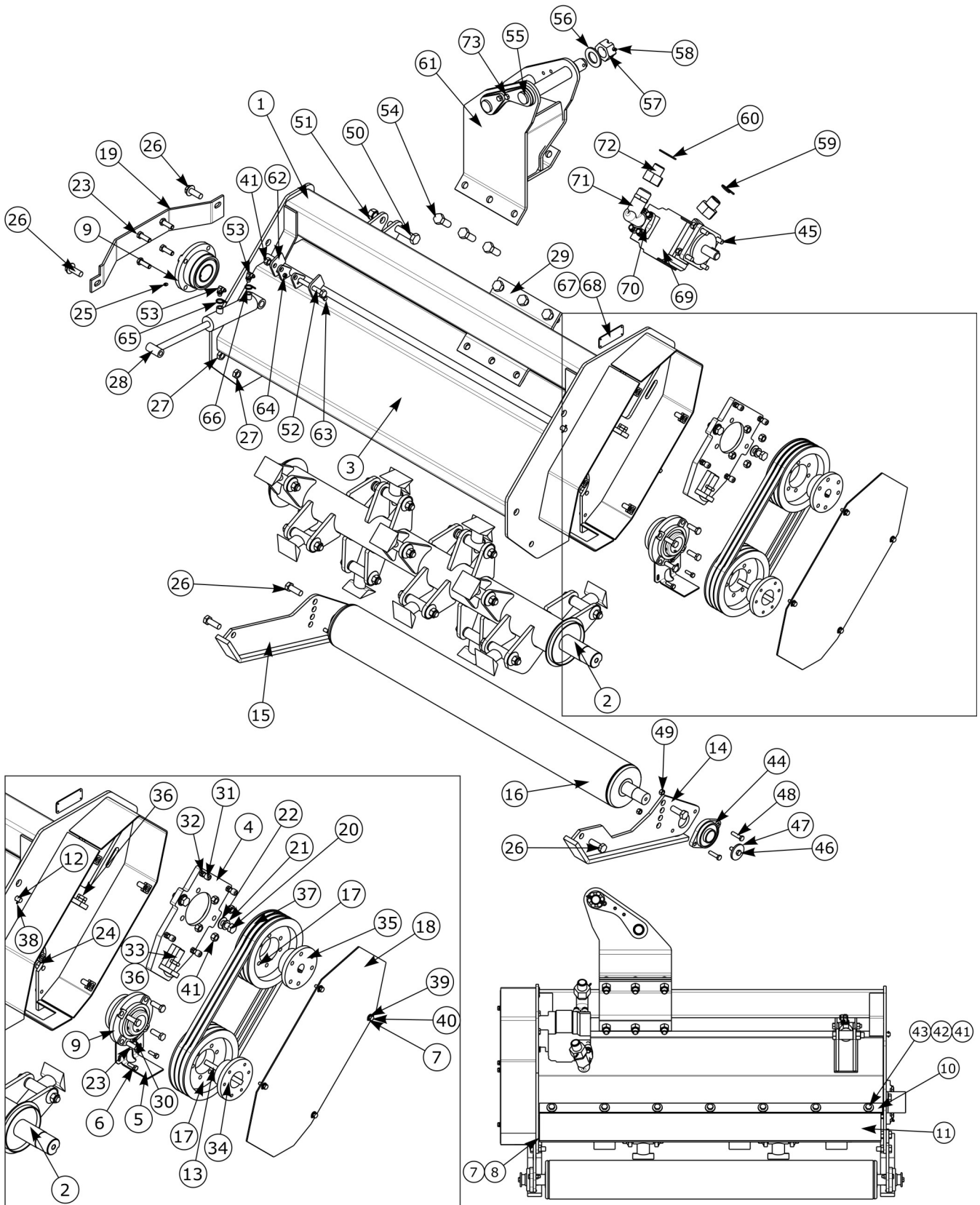


## 48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986253	1	ASY,48" FLAIL AXE, GEAR
1	02970301	1	WLDMT, FLAIL AXE HEAD
2	02957655M	1	ASY, CUTTERSHAFT, 48" F/A
	02958540	1	FLAIL BLADE SET
	02956949	16	HANGER BOLT
	02980976	16	LOCKNUT, CENTERLOCK 5/8 NC PLC
3	02970465	1	WLDMT DOOR, 48" FLAIL AXE
4	02973544	1	WLDMT, MOTOR MOUNT
5	02970709	1	PLATE, COVER FLAIL AXE
6	10119000	2	HHCS 5/16 NC 1 PL5
7	00023500	6	FLATWASHER 5/16, TYPE AW, ZP
8	00750940	2	NUT, TOPLOCK 5/16 NC PL B
9	02958131	2	FLANG BEARING ASY
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP
12	02970326	1	ROD-HINGE, F/A DOOR
13	02958198	1	1/2 X 1/2 X 1 7/8 LG
14	02970585	1	WLDM SKIDSHOE INSIDE FLAIL AXE
15	02956748	1	SKID SHOE WLDMT
16	02970540	1	WLDMT - REAR ROLLER
17	02967325	2	PULLEY, 3G5V - 8.50 DIA
18	02970325	1	PLATE-BELT & PULLEY COVER
19	02972442	1	FLAIL AXE BEARING GUARD
20	02675800	2	HHCS 5/8 X 1-1/2 PL GR5
21	00010300	2	LOCKWASHER 5/8
22	00001400	4	FLATWASHER 5/8 PL STD
23	02892000	8	HHCS, 1/2"-13 NC X 1-1/2" PL8
24	00001800	13	LOCKNUT TLM 1/2 NC PL8
25	00752670	1	GREASE FITTING 1/4-28 BOLT THD
26	00008300	6	BOLT, HHCS 5/8" NC X 1-3/4" PL5
27	00695100	5	LOCKNUT TOPLOCK 5/8NC PLB
28	02970710	1	CYL, DOOR, 48" F/A
29	02970324	1	PLATE-CLAMP, HITCHPOST
30	00000941	1	GREASE ZERK 1/4-28 90 BOLT THD
31	02970583	4	SHCS 3/8 NF 1-1/2 PL GR5
32	23504500	8	JAMNUT 3/8 NF
33	03200925	1	CARR 5/8 NC X 3 PL GR5
34	02967328	1	BUSHIN, QD HUB SF 1-15/16 ID
35	02970537	1	BUSHING, QD HUB SF 1 ID
36	00013500	3	NUT, 3/8 NC JAMNUT
37	02970539	3	V BELT

# 48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2)

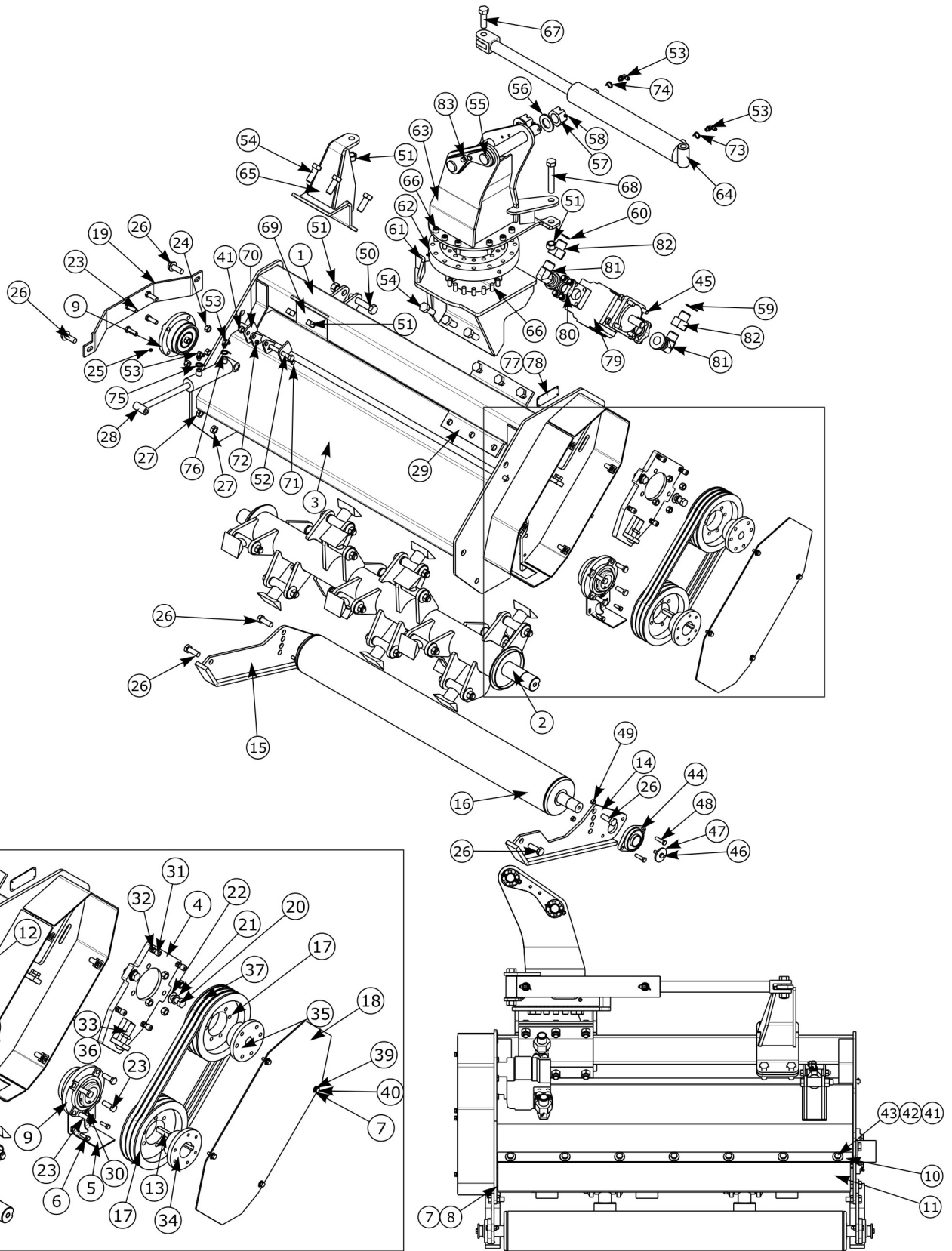


## 48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
38	02956768	2	PIN, ROLL 5/32X1
39	00011700	4	LOCKWASHER 5/16 PL STD
40	00035900	4	HHCS 5/16 NC X 3/4 GR5
41	000642	7	NUT,1/2NF CENTERLOCK
42	00002700	7	FLATWASHER, 1/2 PL STD
43	00019300	7	HHCS 1/2 NF 1-1/2 PL5
44	02957041	2	ROLLER BEARING & FLANGE
45	00013300	4	BOLT, HHCS 1/2" NC X 2" PL5
46	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
47	02970586	2	WASHER, 2 X 7/16 X 3/16
48	02977955	4	HHCS 3/8 NC 1-1/2 PL8
49	00015800	4	LOCKNUT TLM 3/8 NC PLC
50	00003300	1	HHCS 3/4" X 4" LG
51	00037200	7	NUT 3/4 NC LOCKNUT
52	00008200	1	BOLT, HHCS 1/2" NC X 3-3/4" PL5
53	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
54	02918600	6	HHCS 3/4 NC 2 PL8
55	02981757	2	WELDMENT, PIN, HITCH POST
56	02971702	1	FLATWASHER, 1-3/8 TYPE B PL NARROW
57	02971701	1	NUT, SLOTTED 1-3/8 12NF PLB
58	00165020	1	PIN, COTTER 5/16 X 2-1/2 PL
59	02968896	1	PLASTIC TIE, ORANGE, 11LG
60	02968894	1	PLASTIC TIE, RED, 11LG
61	02986218	1	WELDMENT, HITCHPOST
62	02984470	2	STOP, FLAIL AXE SWIVEL
63	00021400	2	BOLT, HHCS 1/4" NC X 3/4" PL
64	02959924	2	NUT, TOPLOCK 1/4 NC PLB
65	02968836	1	PLASTIC TIE, YELLOW
66	02968837	1	PLASTIC TIE, YELLOW & WHITE
67	03710151	4	METAL TACK
68	02971498	1	PLATE, S/N FLAIL AXE 48"
69	02987315	1	GEAR MOTOR
70	00749103	2	#20 SPLIT FLANGE KIT
71	02754100	2	ADP HYD ELBOW 20FL-16MJ90
72	02961286	2	20FJX - 16MJ ST
73	00011400	2	BOLT, HHCS 3/8 NC 1 PL5

# 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 1)

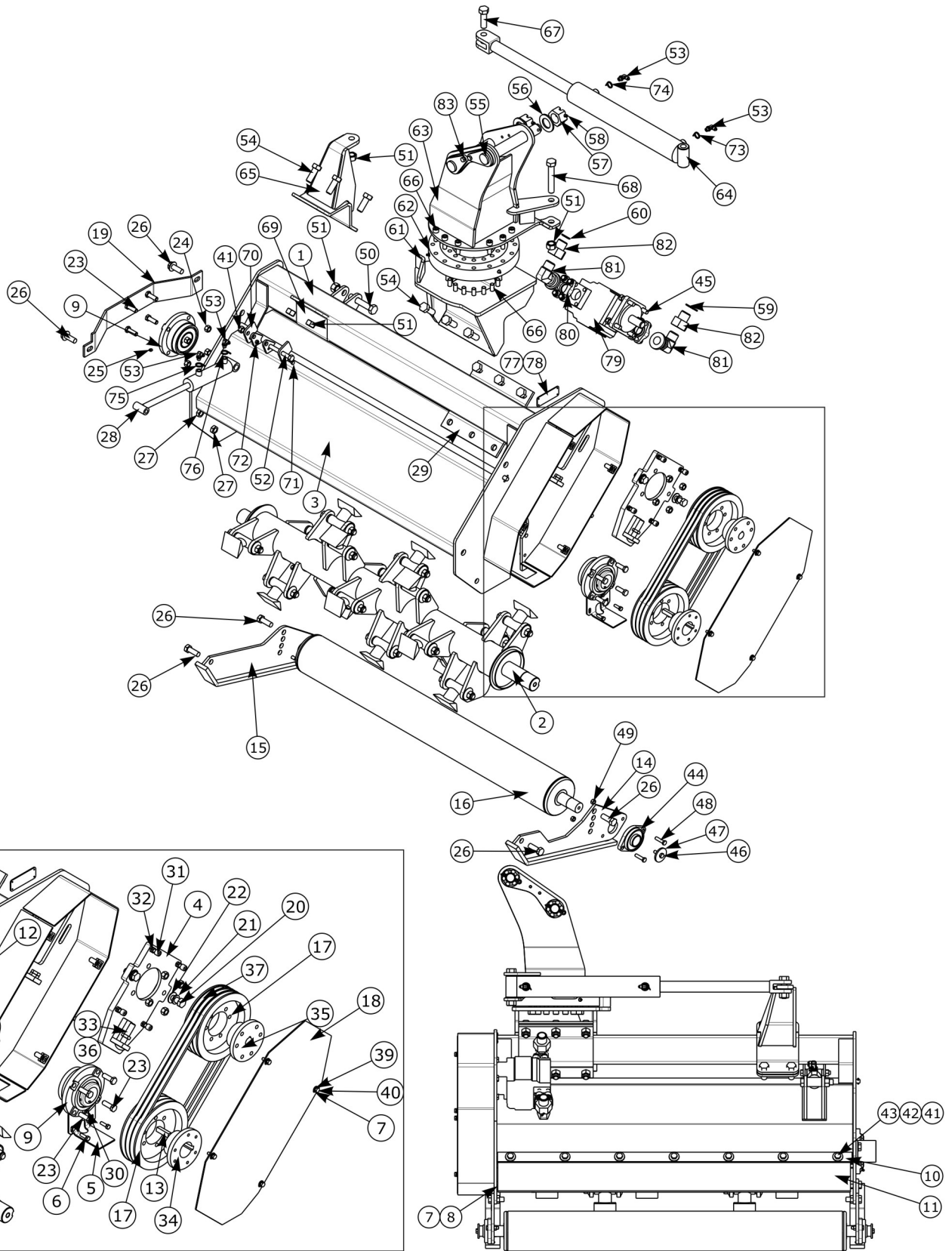


## 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986251	1	48" FLAILAXE GEAR SWIVEL
1	02970301	1	WLDMT, FLAIL AXE HEAD
2	02957655M	1	ASY, CUTTERSHAFT, 48" F/A
	02958540	1	FLAIL BLADE SET
	02956949	16	HANGER BOLT
	02980976	16	LOCKNUT, CENTERLOCK 5/8 NC PLC
3	02970465	1	WLDMT DOOR, 48" FLAIL AXE
4	02973544	1	WLDMT, MOTOR MOUNT
5	02970709	1	PLATE, COVER FLAIL AXE
6	10119000	2	HHCS 5/16 NC 1 PL5
7	00023500	6	FLATWASHER 5/16, TYPE AW, ZP
8	00750940	2	NUT, TOPLOCK 5/16 NC PL B
9	02958131	2	FLANG BEARING ASY
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP
12	02970326	1	ROD-HINGE, F/A DOOR
13	02958198	1	1/2 X 1/2 X 1 7/8 LG
14	02970585	1	WLDM SKIDSHOE INSIDE FLAIL AXE
15	02956748	1	SKID SHOE WLDMT
16	02970540	1	WLDMT - REAR ROLLER
17	02967325	2	PULLEY, 3G5V - 8.50 DIA
18	02970325	1	PLATE-BELT & PULLEY COVER
19	02972442	1	FLAIL AXE BEARING GUARD
20	02675800	2	HHCS 5/8 X 1-1/2 PL GR5
21	00010300	2	LOCKWASHER 5/8
22	00001400	4	FLATWASHER 5/8 PL STD
23	02892000	23	HHCS, 1/2"-13 NC X 1-1/2" PL8
24	00001800	13	LOCKNUT TLM 1/2 NC PLB
25	00752670	1	GREASE FITTING 1/4-28 BOLT THD
26	00008300	6	BOLT, HHCS 5/8" NC X 1-3/4" PL5
27	00695100	5	LOCKNUT TOPLOCK 5/8NC PLB
28	02970710	1	CYL, DOOR, 48" F/A
29	02970324	1	PLATE-CLAMP, HITCHPOST
30	00000941	1	GREASE ZERK 1/4-28 90 BOLT THD
31	02970583	4	SHCS 3/8 NF 1-1/2 PL GR5
32	23504500	8	JAMNUT 3/8 NF
33	03200925	1	CARR 5/8 NC X 3 PL GR5
34	02967328	1	BUSHIN, QD HUB SF 1-15/16 ID
35	02970537	1	BUSHING, QD HUB SF 1 ID
36	00013500	3	NUT, 3/8 NC JAMNUT
37	02970539	3	V BELT

# 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 2)



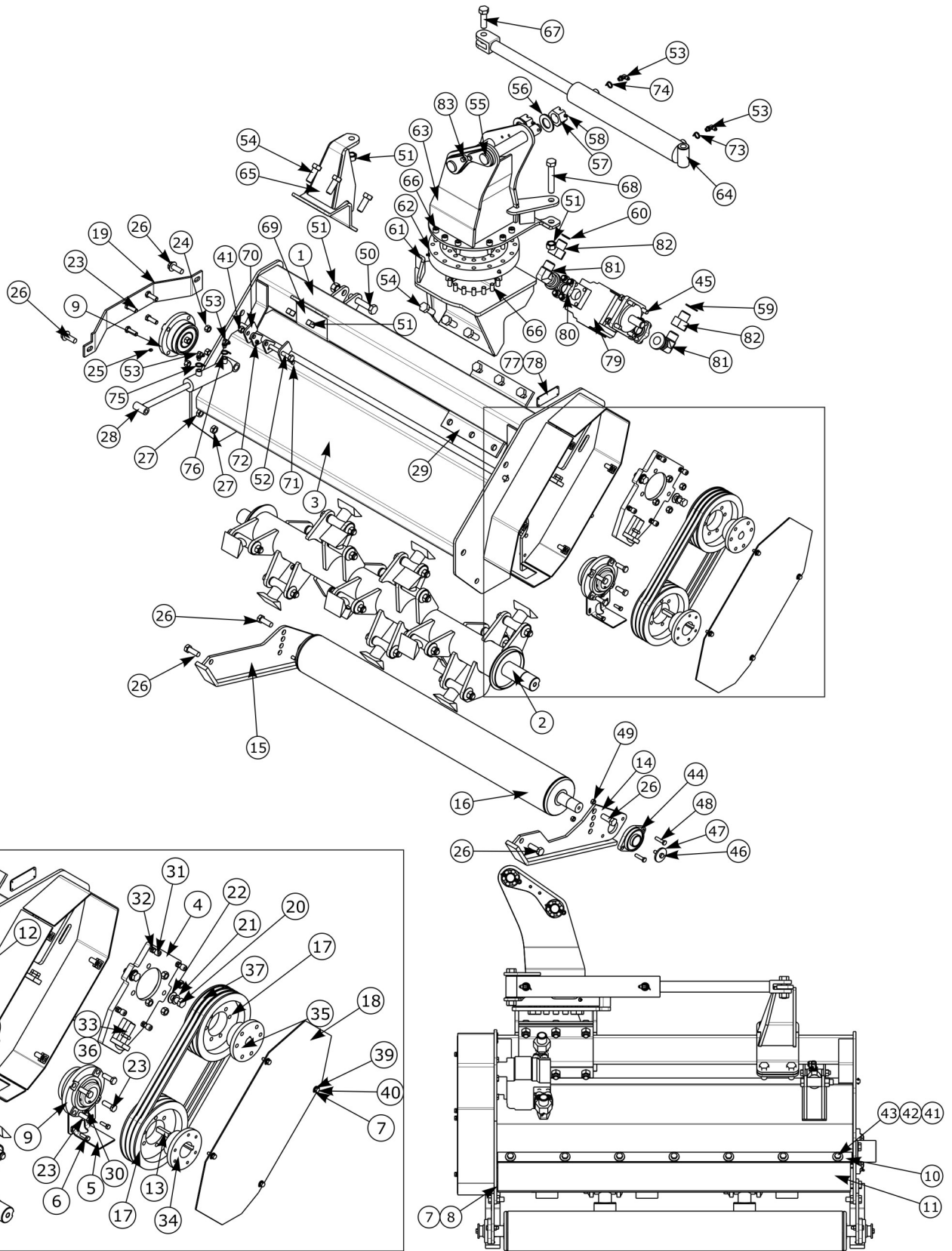


## 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
38	02956768	2	PIN, ROLL 5/32X1
39	00011700	4	LOCKWASHER 5/16 PL STD
40	00035900	4	HHCS 5/16 NC X 3/4 GR5
41	000642	7	LOCKNUT TLM 1/2 NC PLB
42	00002700	7	FLATWASHER, 1/2 PL STD
43	00019300	7	HHCS 1/2 NF 1-1/2 PL5
44	02957041	2	ROLLER BEARING & FLANGE
45	00013300	4	BOLT, HHCS 1/2" NC X 2" PL5
46	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
47	02970586	2	WASHER, 2 X 7/16 X 3/16
48	02977955	4	HHCS 3/8 NC 1-1/2 PL8
49	00015800	4	LOCKNUT TLM 3/8 NC PLC
50	00003300	1	HHCS 3/4" X 4" LG
51	00037200	13	NUT 3/4 NC LOCKNUT
52	00008200	1	BOLT, HHCS 1/2" NC X 3-3/4" PL5
53	02960018	4	ADP, HYD, ELBOW, 4MB-4MJ90
54	02918600	10	HHCS 3/4 NC 2 PL8
55	02981757	2	WELDMENT, PIN, HITCH POST
56	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
57	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
58	00165020	2	PIN, COTTER 5/16 X 2-1/2 PL
59	02968896	1	PLASTIC TIE, ORANGE, 11LG
60	02968894	1	PLASTIC TIE, RED, 11LG
61	02984370	1	ADP, SWIVEL, FLAIL AXE
62	02981318	1	BEARING, 12OD X 5.8ID
63	02985319	1	WELDMENT, HITCH POST
64	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
65	02984374	1	WLDMNT, SWIVEL, CYL BRKT
66	02981820	12	SHCS 1/2 NC X 1 1/2" LG PL8
67	02963646	1	HHCS 3/4 NC 2-1/2 PL8
68	00754105	1	HHCS 3/4 NC 4 1/2 PL8
69	02984382	1	CLAMP, PLATE, SWIVEL
70	02984470	2	STOP, FLAIL AXE SWIVEL
71	00021400	2	BOLT, HHCS 1/4" NC X 3/4" PL
72	02959924	2	NUT, TOPLOCK 1/4 NC PLB
73	02968832	1	PLASTIC TIE, GREEN
74	02968833	1	PLASTIC TIE, GREEN & WHITE
75	02968836	1	PLASTIC TIE, YELLOW
76	02968837	1	PLASTIC TIE, YELLOW & WHITE
77	03710151	4	METAL TACK
78	02971498	1	PLATE, S/N FLAIL AXE 48"

# 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 3)

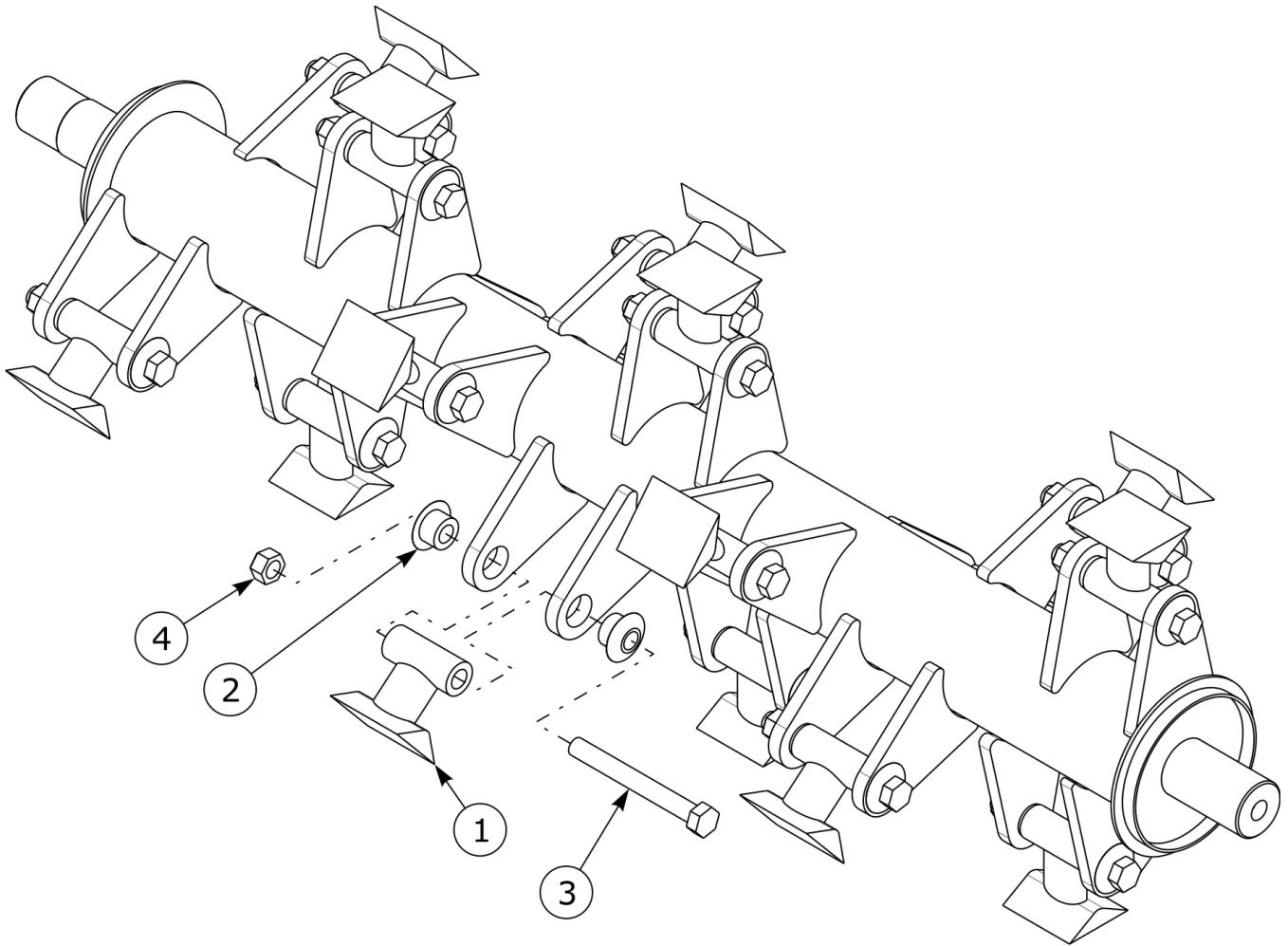


## 48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 3)

Continued...

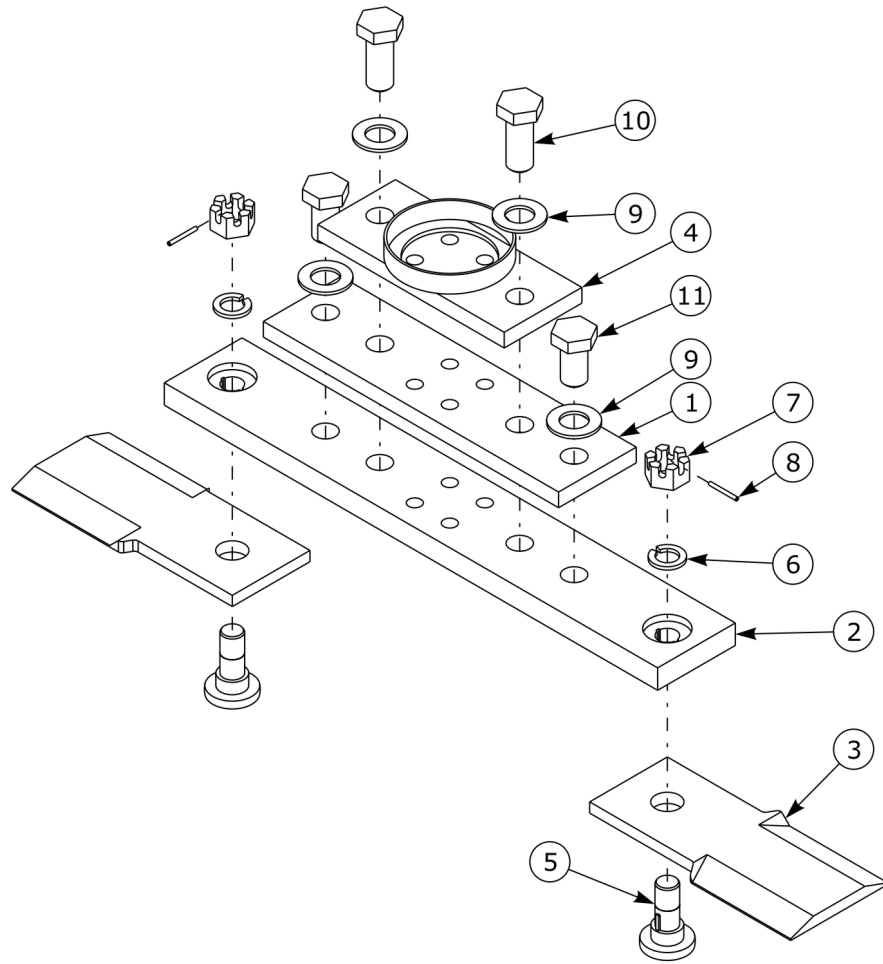
ITEM	PART NO.	QTY.	DESCRIPTION
79	02987315	1	GEAR MOTOR
80	00749103	2	#20 SPLIT FLANGE KIT
81	02985030	2	ADP HYD 20FL-20MJ FLANGE
82	02961286	2	20FJX - 16MJ ST
83	00011400	2	BOLT, HHCS 3/8 NC 1 PL5

## 48 IN FLAIL - ROTOR W/KNIVES



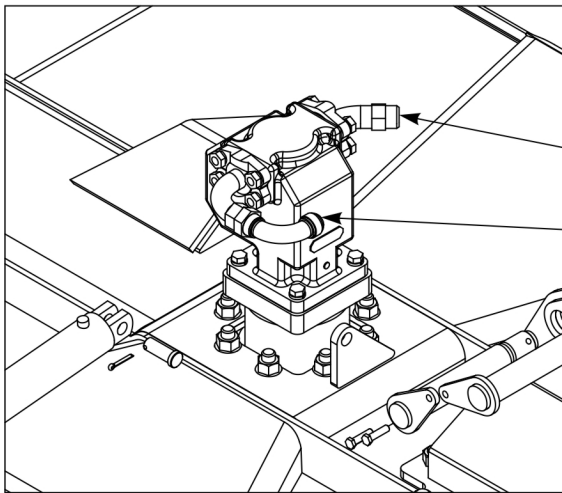
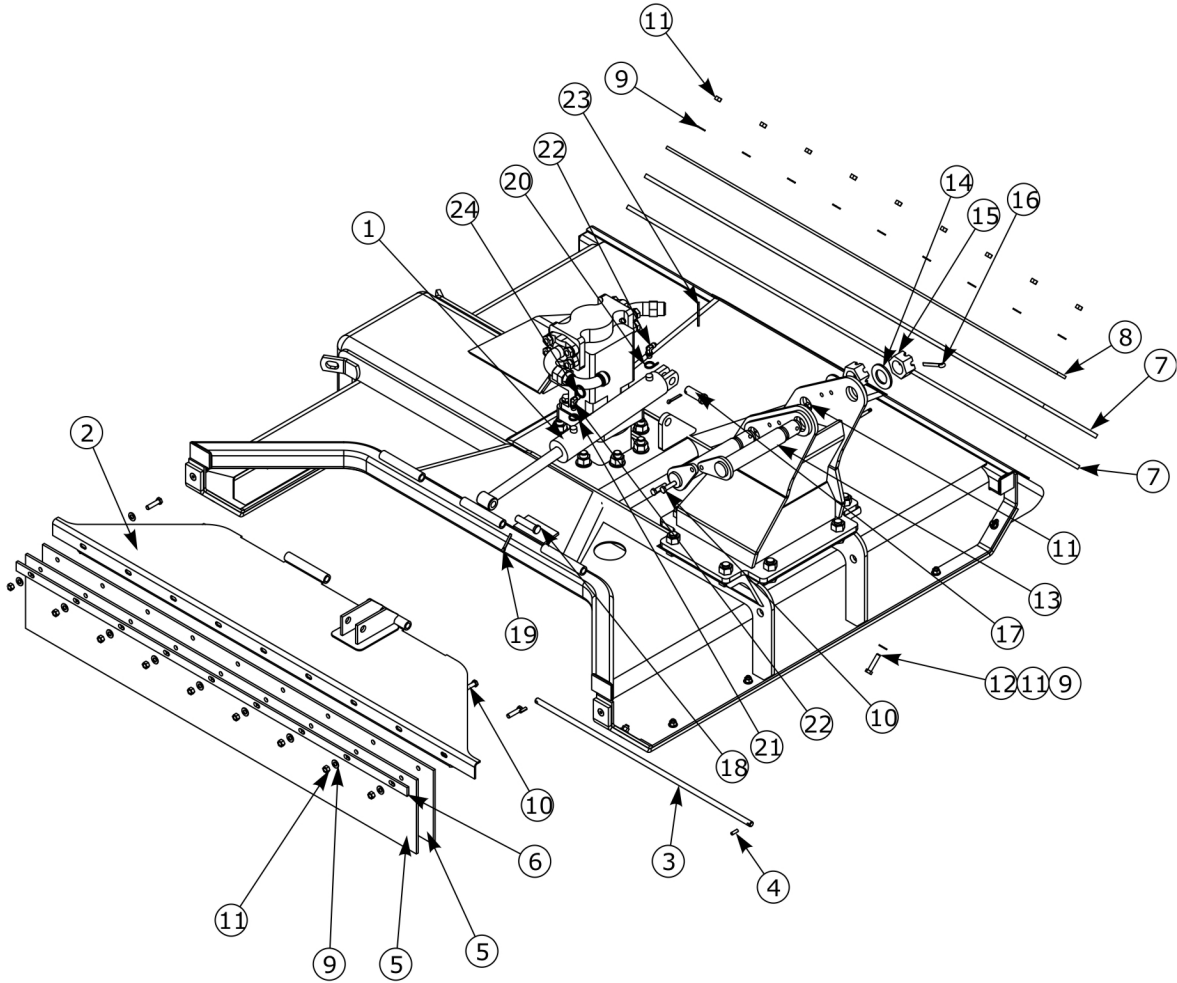
ITEM	PART NO.	QTY.	DESCRIPTION
	02957655	1	ROTOR W/KNIVES ASY
1	02958540	1	KIT - BLADE, FLAIL AXE
2	02956943	32	FLAIL HANGER BUSHING
3	02956949	16	HHCS HANGER BOLT PER DWG
4	02980976	16	LOCKNUT,CENTERLOCK 5/8 NC PLC

## 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

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



#16 hose fitting

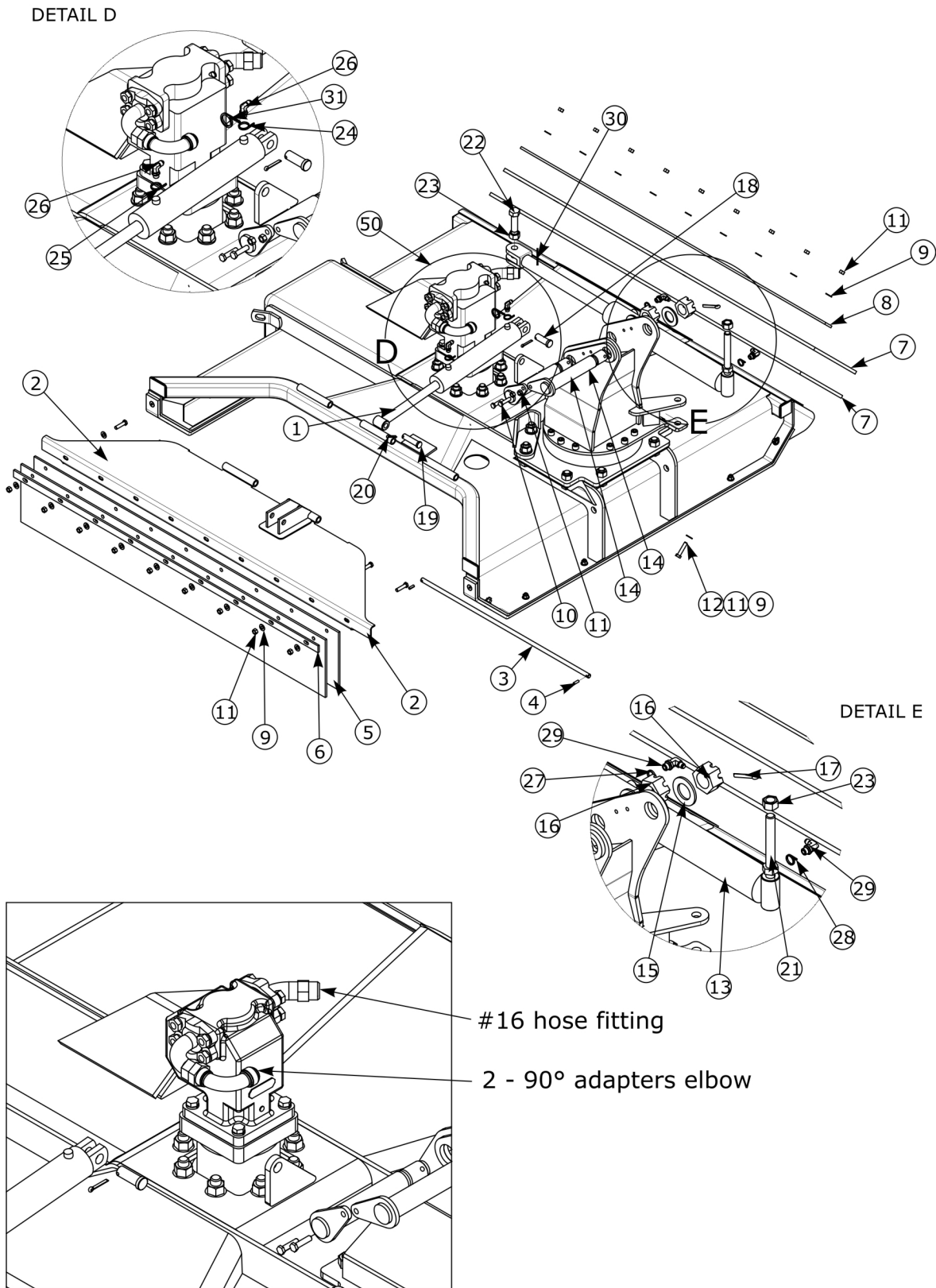
2 - 90° adapters elbow

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

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986211	1	ASY, 50" ROT, GEAR, BAR
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 1/4 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8 THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER 3/8 STD
10	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
11	00015800	34	LOCKNUT TLM 3/8 NC PLC
12	00007000	9	HHCS 3/8 NC 1-3/4 PL5
13	02981757	2	WELDMENT, PIN, HITCH POST
14	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
15	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
16	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
17	651102	1	PIN-DRILLED
18	02976448	1	PIN - MACHINED HEAD
19	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
20	02968837	1	PLASTIC TIE, YELLOW & WHITE
21	02968836	1	PLASTIC TIE, YELLOW
22	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
55	02968894	1	PLASTIC TIE, RED, 11LG
56	02968896	1	PLASTIC TIE, ORANGE, 11LG
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)
	02981844	1	SWIVEL ROD HOSE (GREEN)
	02981845	1	SWIVEL BASE HOSE (GREEN/WHITE)

# 50 IN ROTARY - BLADE BAR HEAD ASY (SWIVEL MNT)



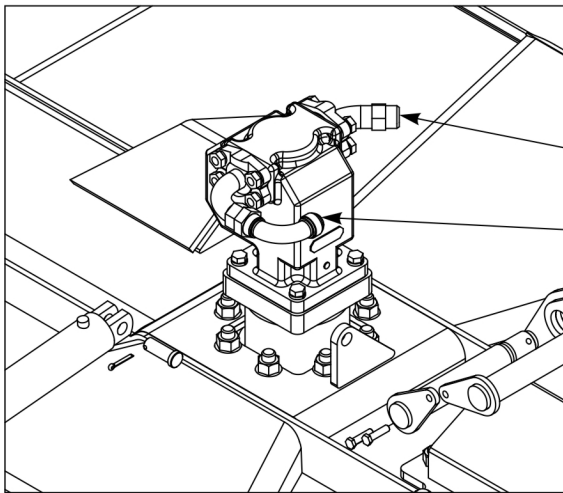
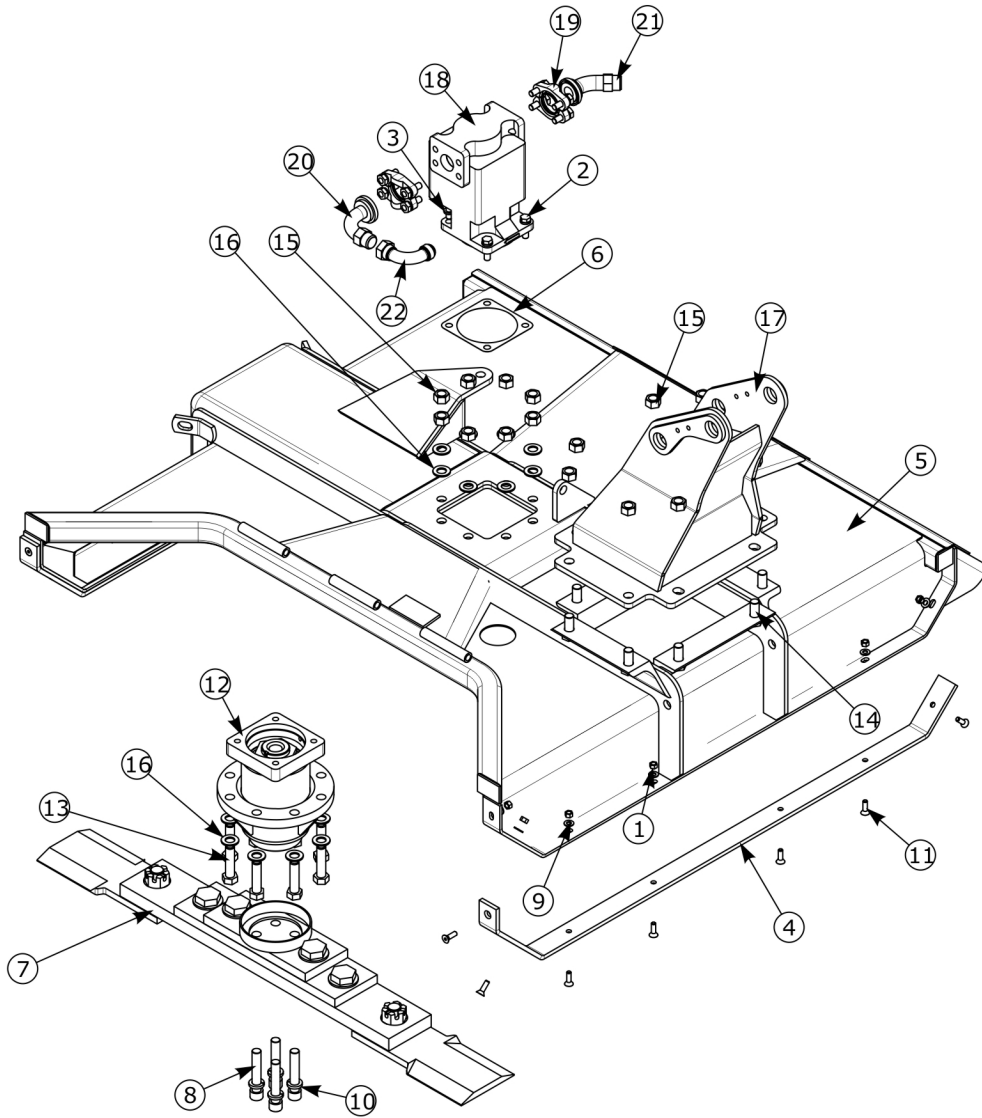


## 50 IN ROTARY - BLADE BAR HEAD ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986213	1	ASY, 50" ROT,GEAR,BAR,SWIVEL
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 1/4 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8 THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER 3/8 STD
10	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
11	00015800	20	LOCKNUT TLM 3/8 NC PLC
12	00007000	9	HHCS 3/8 NC 1-3/4 PL5
13	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
14	02981757	2	WELDMENT, PIN, HITCH POST
15	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
16	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
17	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
18	651102	1	PIN-DRILLED
19	02976448	1	PIN - MACHINED HEAD
20	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
21	00754105	1	HHCS 3/4 NC 4-1/2 PL8
22	02963646	3	HHCS 3/4 NC 2-1/2 PL8
23	00037200	18	NUT 3/4 NC LOCKNUT
24	02968837	1	PLASTIC TIE, YELLOW & WHITE
25	02968836	1	PLASTIC TIE, YELLOW
26	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
27	02968832	1	PLASTIC TIE, GREEN
28	02968833	1	PLASTIC TIE, GREEN & WHITE
29	03200762	2	ADP, HYD 6MB-4MJ 90
30	02968894	1	PLASTIC TIE, RED, 11LG
31	02968896	1	PLASTIC TIE, ORANGE, 11LG
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)
	02981844	1	SWIVEL ROD HOSE (GREEN)
	02981845	1	SWIVEL BASE HOSE (GREEN/WHITE)

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



#16 hose fitting

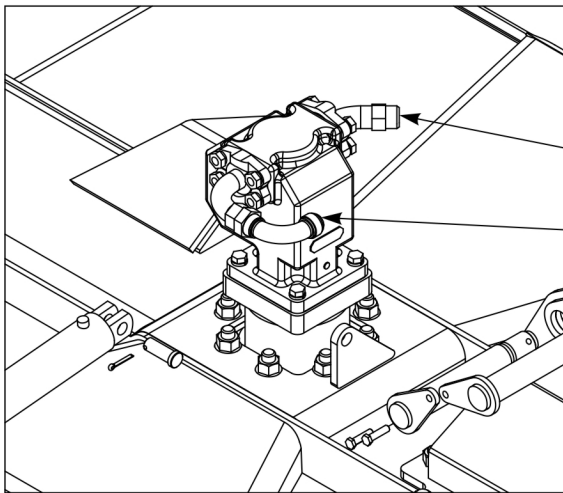
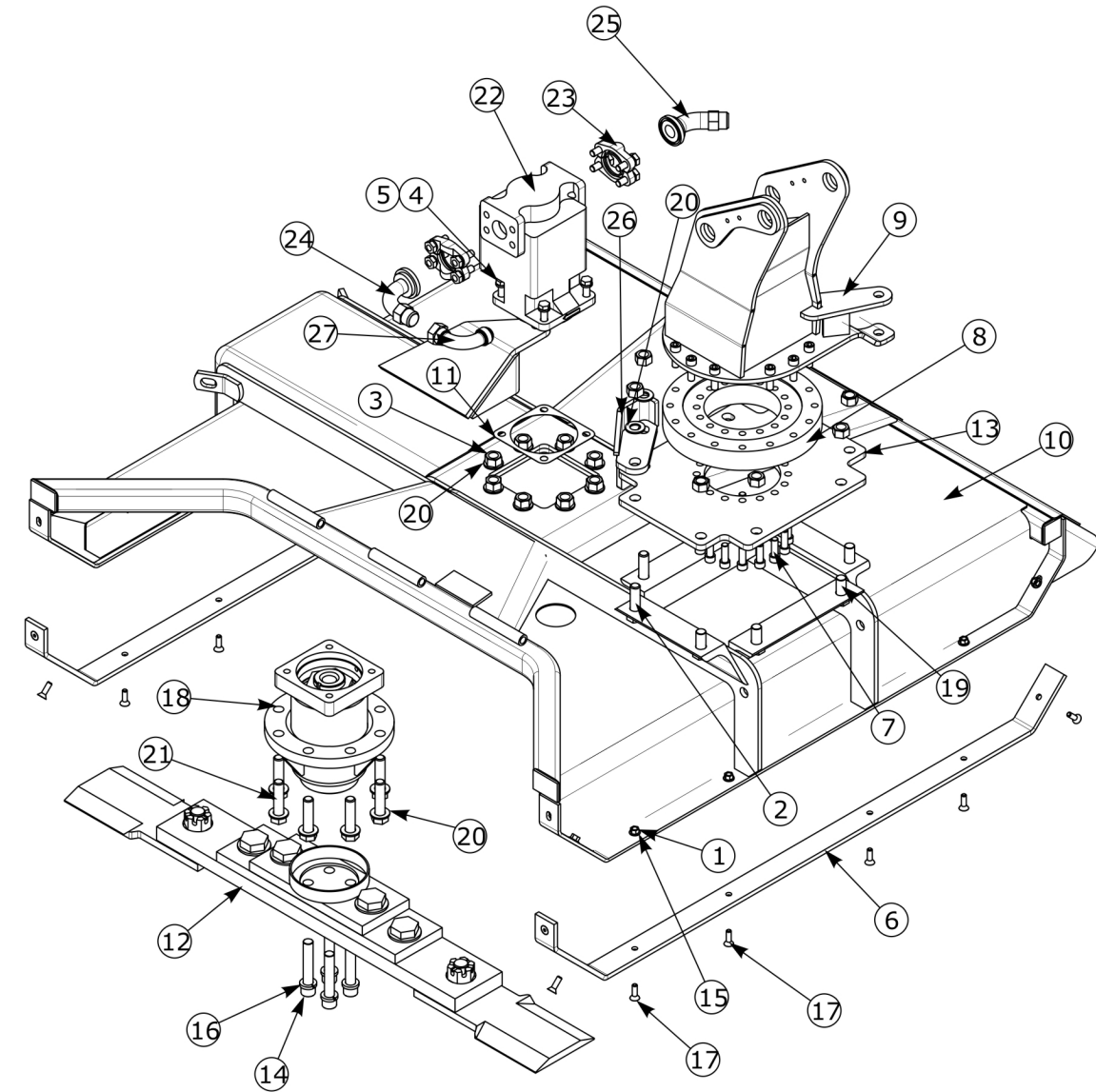
2 - 90° adapters elbow

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

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00015800	34	LOCKNUT TLM 3/8 NC PLC
2	02891800	4	HHCS 1/2 NC 1-3/4 PL8
3	00019600	4	LOCKWASHER 1/2 HEAVY
4	02982907	2	SKID SHOE
5	02981411	1	WELDMENT, DECK 50" HEAD
6	02961038	1	GASKET
7	02982906	1	ASY, BLADE BAR W/BLADES
8	02964861	4	SHCS 3/4 NC 4" LG PL8
9	15B600	14	WASHER 3/8 SAE P
10	00003901	4	LOCKWASHER 3/4 HEAVY
11	00059700	14	FSCS 3/8 NC X 1-1/4
12	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
13	03200269	8	HHCS 3/4 NC 3 PL8
14	02963645	8	HHCS 3/4 NC 1-3/4 PL8
15	00037200	16	NUT 3/4 NC LOCKNUT
16	5312316	16	FLATWASHER 3/4 HARDENED
17	02986200	1	WELDMENT, HITCH POST
18	02989904	1	HYD MOTOR - CAST IRON SPLINED
19	00749101	2	SPLIT FLANGE KIT #24
20	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
21	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
22	02958858	1	#16MJ-16FJ TUBE 90°

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



#16 hose fitting

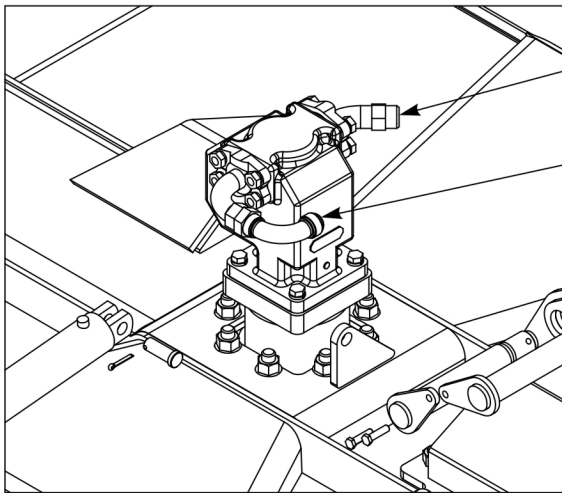
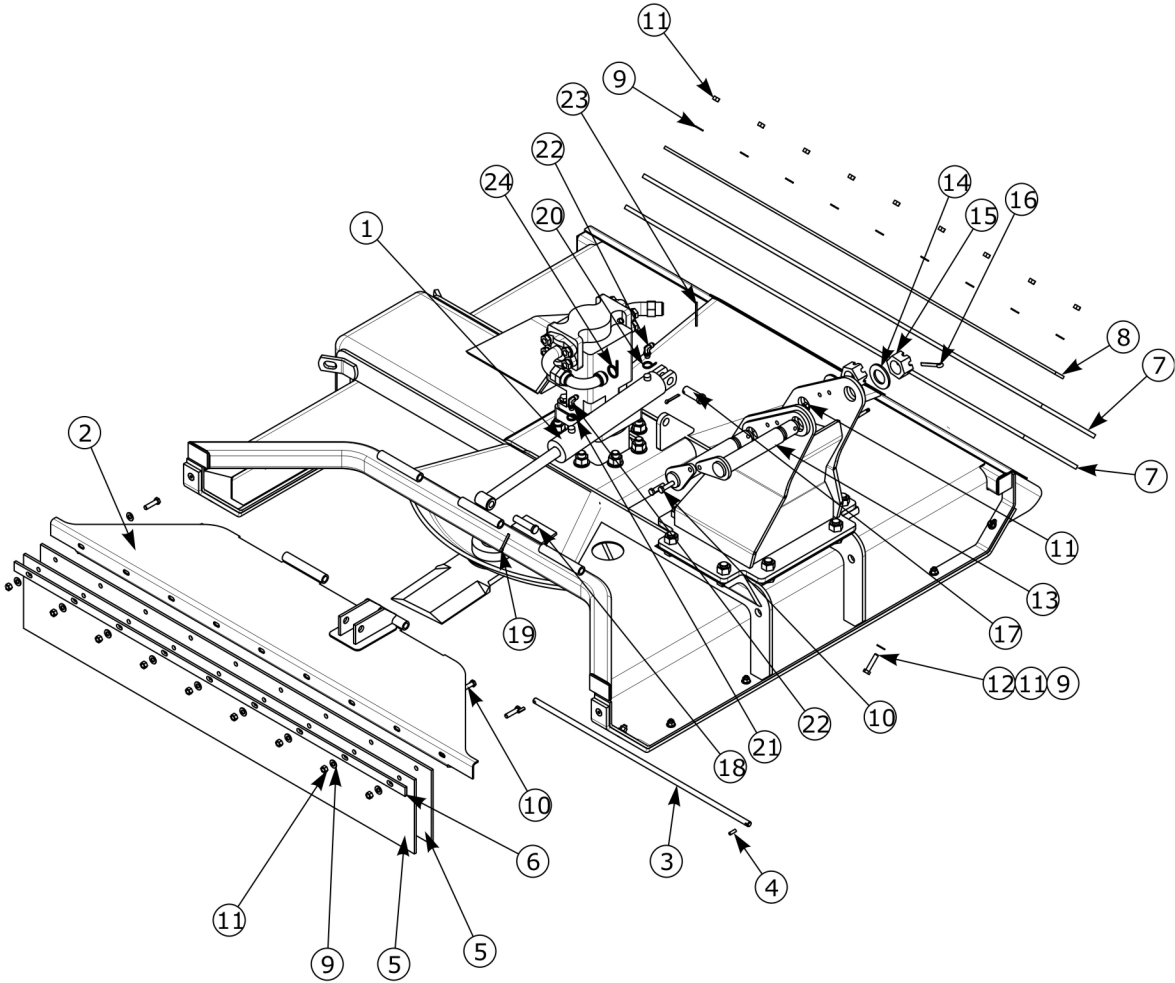
2 - 90° adapters elbow

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

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00015800	20	LOCKNUT TLM 3/8 NC PLC
2	02963646	3	HHCS 3/4 NC 2-1/2 PL8
3	00037200	18	NUT 3/4 NC LOCKNUT
4	02891800	4	HHCS 1/2 NC 1-3/4 PL8
5	00019600	4	LOCKWASHER 1/2 HEAVY
6	02982907	2	SKID SHOE
7	02981820	28	SHCS 1/2 NC X 1 1/2" LG PL8
8	02981318	1	SLEWING BEARING, 12 OD X 5.8 ID
9	02985319	1	WELDMNT, HITCH POST
10	02981411	1	WELDMNT, DECK 50" HEAD
11	02961038	1	GASKET
12	02982906	1	ASY, BLADE BAR W/BLADES
13	02981752	1	PLATE, HITCH POST BOTTOM, MAVERICK
14	02964861	4	SHCS 3/4 NC 4" LG PL8
15	15B600	14	WASHER 3/8 SAE P
16	00003901	4	LOCKWASHER 3/4 HEAVY
17	00059700	14	FSCS 3/8 NC X 1-1/4
18	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
19	02963645	6	HHCS 3/4 NC 1-3/4 PL8
20	5312316	18	FLATWASHER 3/4 HARDENED
21	03200269	8	HHCS 3/4 NC 3 PL8
22	02989904	1	HYD MOTOR - CAST IRON SPLINED
23	00749101	2	SPLIT FLANGE KIT #24
24	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
25	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
26	02984002	1	WLDMNT, STOP, SWIVEL
27	02958858	1	#16MJ-16FJ TUBE 90°

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



#16 hose fitting

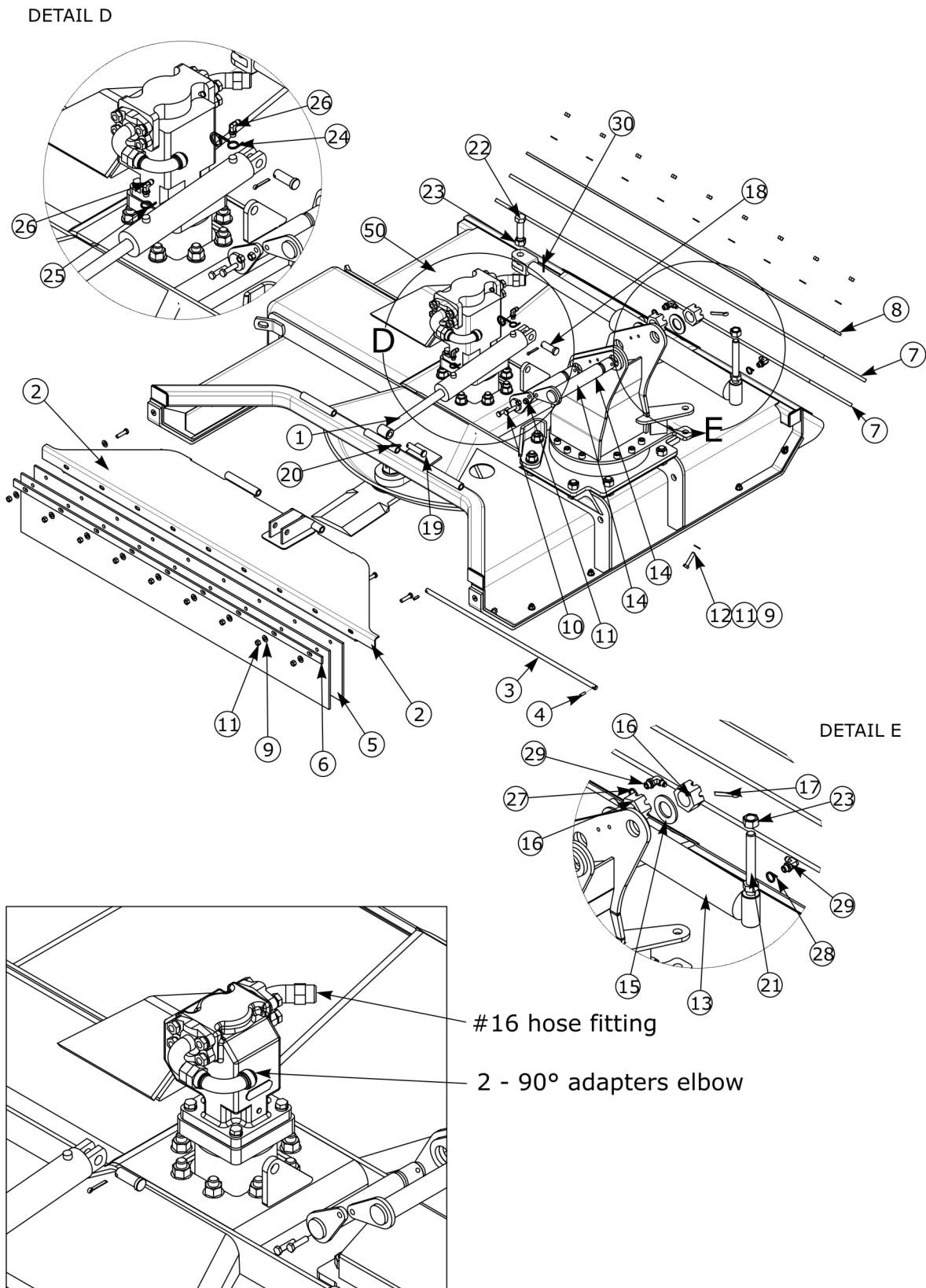
2 - 90° adapters elbow

## 50 IN ROTARY - BLADE PAN HEAD ASY (SOLID MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986210	1	ASY, 50" ROT, GEAR, PAN
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 1/4 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8 THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER 3/8 STD
10	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
11	00015800	34	LOCKNUT TLM 3/8 NC PLC
12	00007000	9	HHCS 3/8 NC 1-3/4 PL5
13	02981757	2	WELDMENT, PIN, HITCH POST
14	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
15	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
16	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
17	651102	1	PIN-DRILLED
18	02976448	1	PIN - MACHINED HEAD
19	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
20	02968837	1	PLASTIC TIE, YELLOW & WHITE
21	02968836	1	PLASTIC TIE, YELLOW
22	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
23	02968894	1	PLASTIC TIE, RED, 11LG
24	02968896	1	PLASTIC TIE, ORANGE, 11LG
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)

# 50 IN ROTARY - BLADE PAN HEAD ASY (SWIVEL MNT)



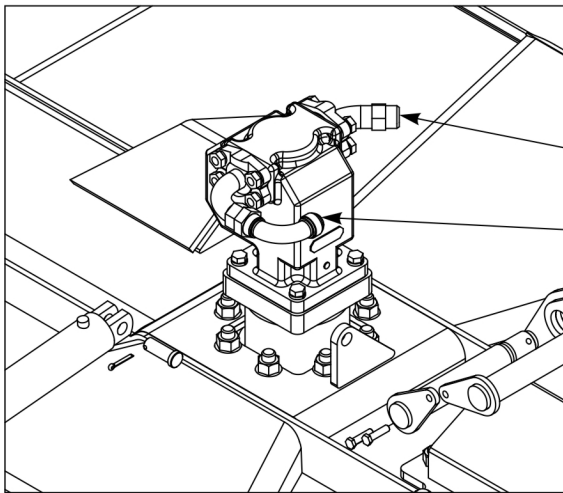
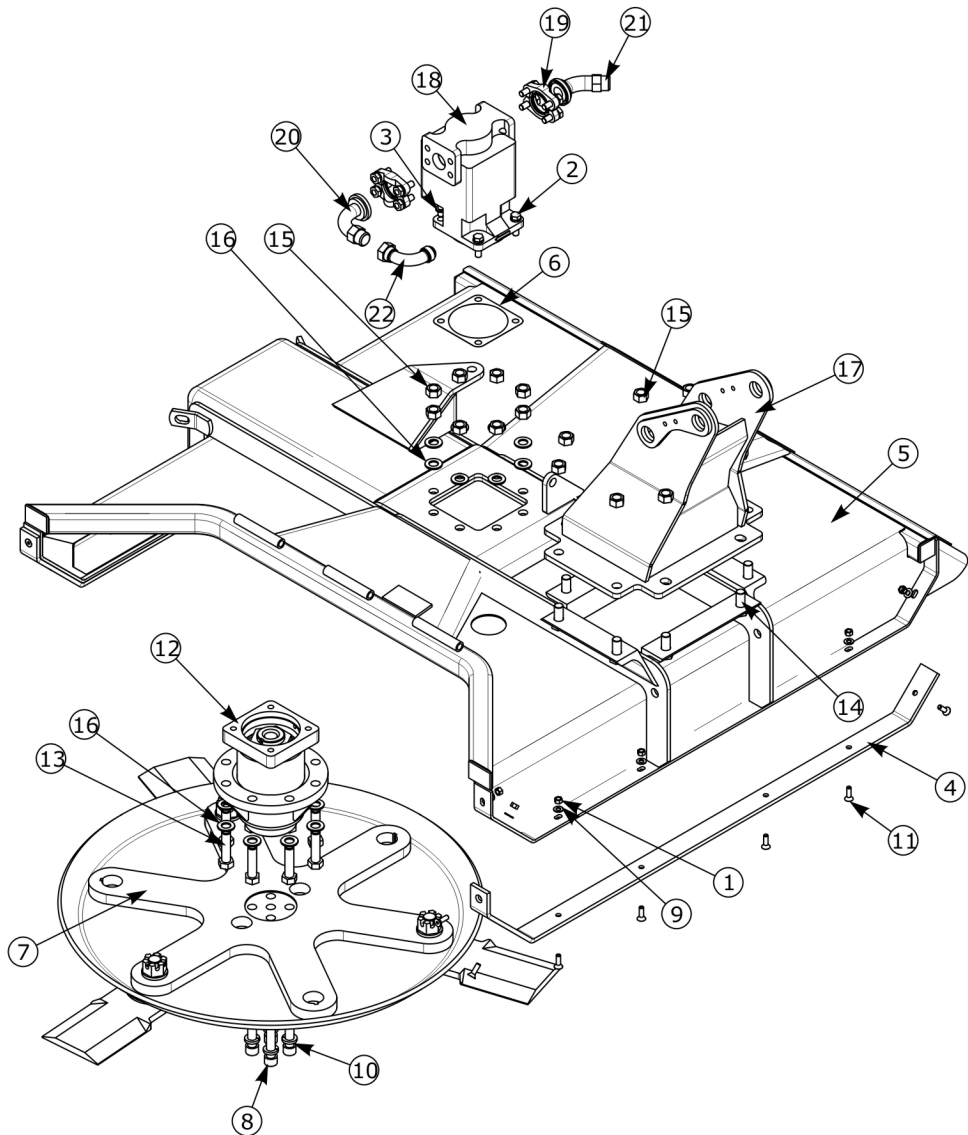


## 50 IN ROTARY - BLADE PAN HEAD ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986212	1	ASY, 50" ROT,GEAR,PAN,SWIVEL
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 1/4 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8 THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER 3/8 STD
10	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
11	00015800	20	LOCKNUT TLM 3/8 NC PLC
12	00007000	9	HHCS 3/8 NC 1-3/4 PL5
13	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
14	02981757	2	WELDMENT, PIN, HITCH POST
15	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
16	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
17	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
18	651102	1	PIN-DRILLED
19	02976448	1	PIN - MACHINED HEAD
20	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
21	00754105	1	HHCS 3/4 NC 4-1/2 PL8
22	02963646	3	HHCS 3/4 NC 2-1/2 PL8
23	00037200	18	NUT 3/4 NC LOCKNUT
24	02968837	1	PLASTIC TIE, YELLOW & WHITE
25	02968836	1	PLASTIC TIE, YELLOW
26	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
27	02968832	1	PLASTIC TIE, GREEN
28	02968833	1	PLASTIC TIE, GREEN & WHITE
29	03200762	2	ADP, HYD 6MB-4MJ 90
30	02968894	1	PLASTIC TIE, RED, 11LG
31	02968896	1	PLASTIC TIE, ORANGE, 11LG
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)
	02981844	1	SWIVEL ROD HOSE (GREEN)
	02981845	1	SWIVEL BASE HOSE (GREEN/WHITE)

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



#16 hose fitting

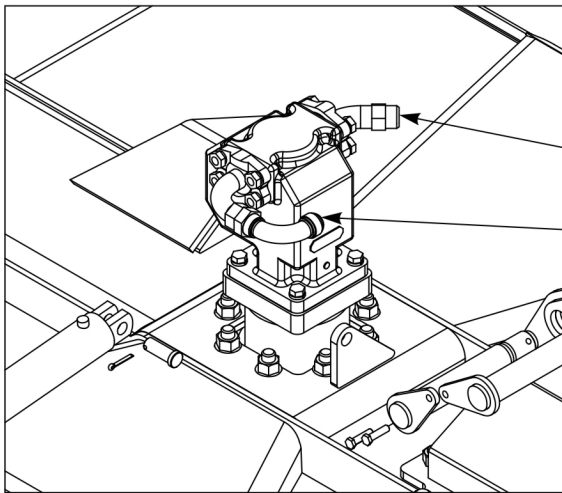
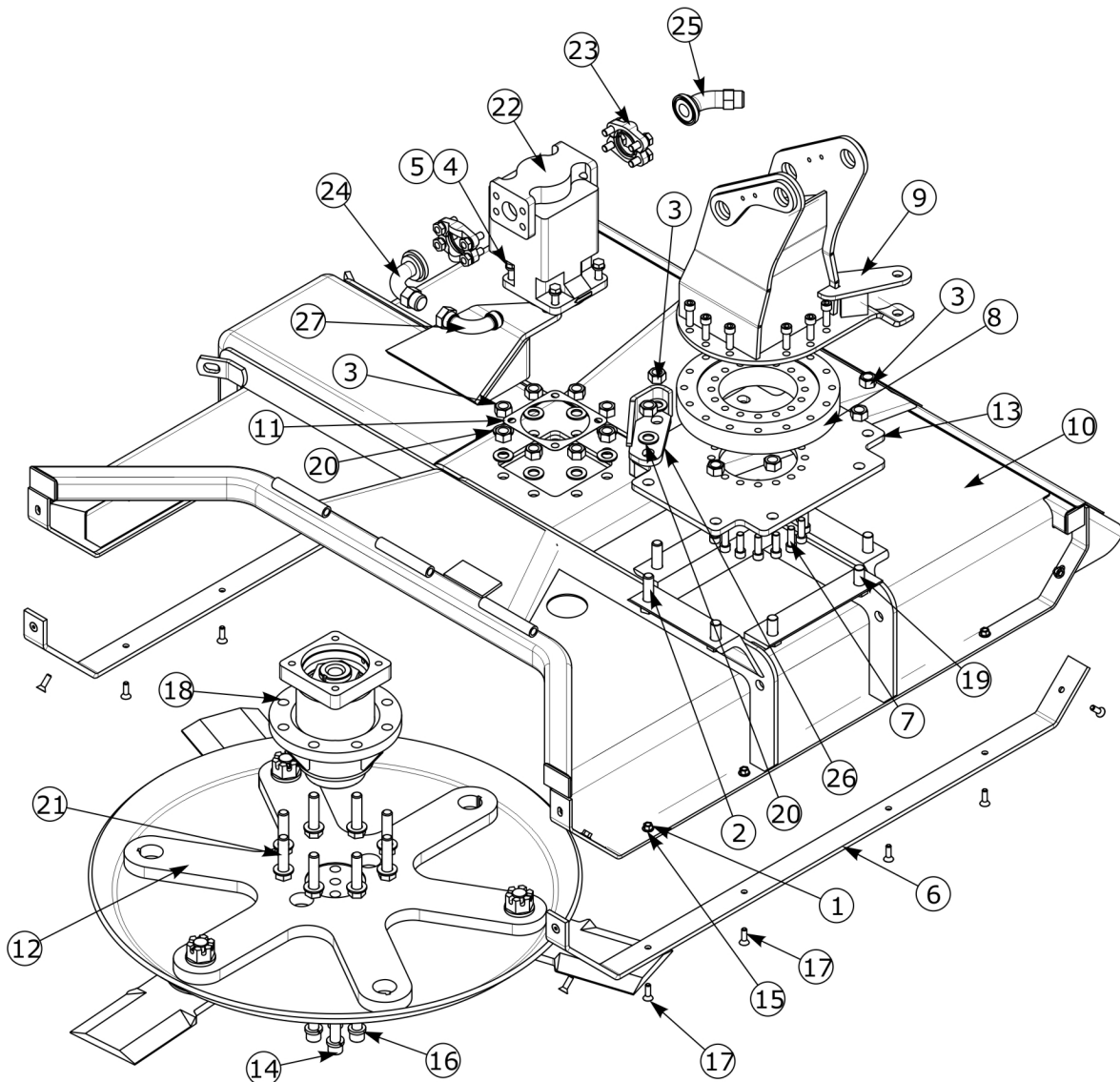
2 - 90° adapters elbow

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

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00015800	34	LOCKNUT TLM 3/8 NC PLC
2	02891800	4	HHCS 1/2 NC 1-3/4 PL8
3	00019600	4	LOCKWASHER 1/2 HEAVY
4	02982907	2	SKID SHOE
5	02981411	1	WELDMENT, DECK 50" HEAD
6	02961038	1	GASKET
7	02964804	1	PAN ASSY 50" HEAD
8	02964861	4	SHCS 3/4 NC 4" LG PL8
9	15B600	14	WASHER 3/8 SAE P
10	00003901	4	LOCKWASHER 3/4 HEAVY
11	00059700	14	FSCS 3/8 NC X 1-1/4
12	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
13	03200269	8	HHCS 3/4 NC 3 PL8
14	02963645	8	HHCS 3/4 NC 1-3/4 PL8
15	00037200	16	NUT 3/4 NC LOCKNUT
16	5312316	16	FLATWASHER 3/4 HARDENED
17	02986200	1	WELDMENT, HITCH POST
18	02989904	1	HYD MOTOR - CAST IRON SPLINED
19	00749101	2	SPLIT FLANGE KIT #24
20	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
21	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
22	02958858	1	#16MJ-16FJ TUBE 90°

50 IN ROTARY - BLADE PAN HEAD SUB-ASY (SWIVEL MNT)



#16 hose fitting

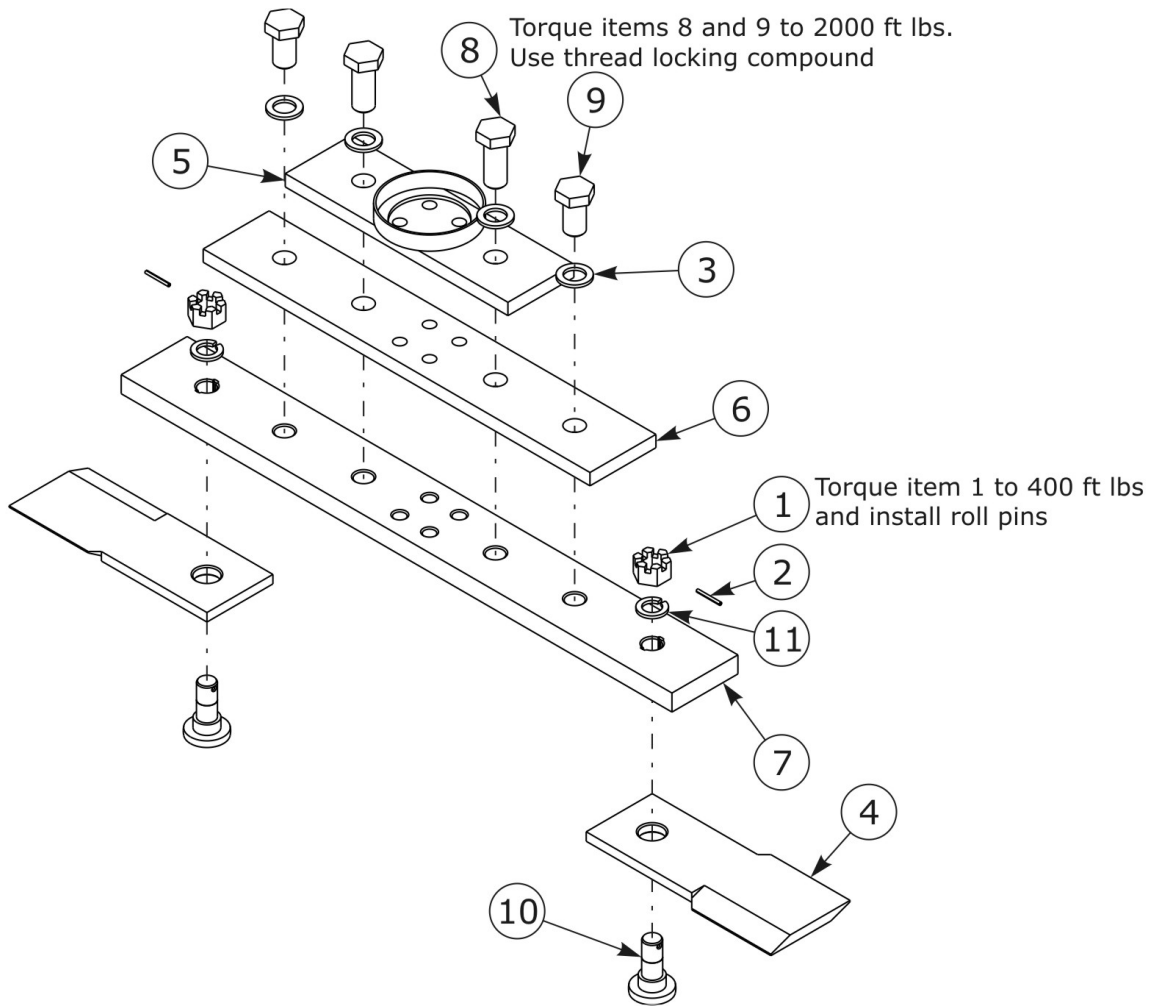
2 - 90° adapters elbow

## 50 IN ROTARY - BLADE PAN HEAD SUB-ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00015800	20	LOCKNUT TLM 3/8 NC PLC
2	02963646	3	HHCS 3/4 NC 2-1/2 PL8
3	00037200	18	NUT 3/4 NC LOCKNUT
4	02891800	4	HHCS 1/2 NC 1-3/4 PL8
5	00019600	4	LOCKWASHER 1/2 HEAVY
6	02982907	2	SKID SHOE
7	02981820	28	SHCS 1/2 NC X 1 1/2" LG PL8
8	02981318	1	SLEWING BEARING, 12 OD X 5.8 ID
9	02985319	1	WELDMENT, HITCH POST
10	02981411	1	WELDMENT, DECK 50" HEAD
11	02961038	1	GASKET
12	02964804	1	PAN ASSY 50" HEAD
13	02981752	1	PLATE, HITCH POST BOTTOM, MAVERICK
14	02964861	4	SHCS 3/4 NC 4" LG PL8
15	15B600	14	WASHER 3/8 SAE P
16	00003901	4	LOCKWASHER 3/4 HEAVY
17	00059700	14	FSCS 3/8 NC X 1-1/4
18	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
19	02963645	6	HHCS 3/4 NC 1-3/4 PL8
20	5312316	18	FLATWASHER 3/4 HARDENED
21	03200269	8	HHCS 3/4 NC 3 PL8
22	02989904	1	HYD MOTOR - CAST IRON SPLINED
23	00749101	2	SPLIT FLANGE KIT #24
24	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
25	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
26	02984002	1	WLDMNT, STOP, SWIVEL
27	02958858	1	#16MJ-16FJ TUBE 90°

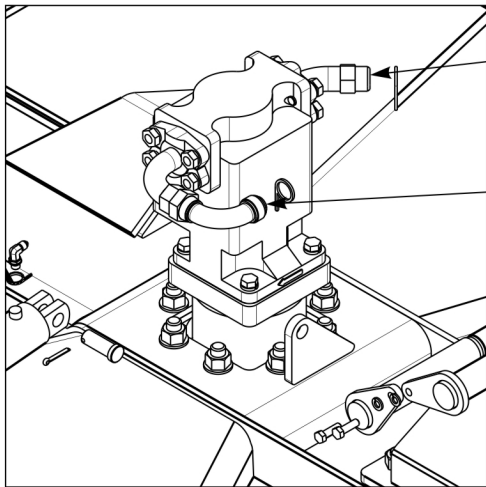
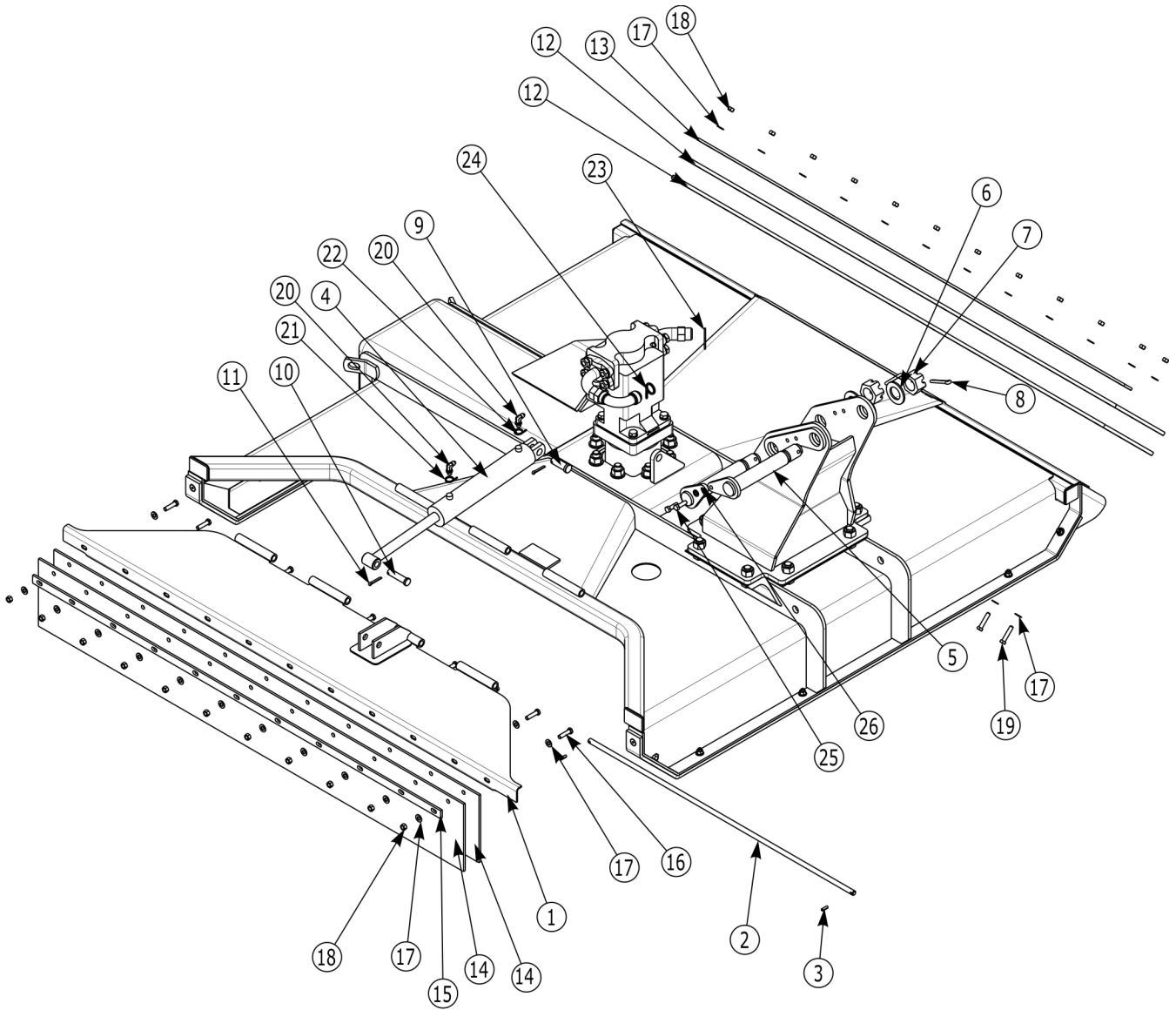
## 60 IN ROTARY - BLADE BAR ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	02969230	1	BLADE BAR ASY, W/ BLADES
1	00020900	2	HEX SLOTTED NUT, HVY 1-1/8"-NF PL GR5
2	00023200	2	ROLL PIN, 3/16" X 1-3/4"
3	02969234	4	FLATWASHER, 1-1/4" HARDENED PL
4	02761500	1	BLADE SET, MATCHED SET OF TWO
5	02971387	1	LEAF BLADE BAR, TOP
6	02969232	1	LEAF BLADE BAR, MIDDLE
7	02969233	1	LEAF BLADE BAR, BOTTOM
8	02969235	2	BOLT, HEX HEAD 1-1/4"-NC X 3" PL GR8
9	02969236	2	BOLT, HEX HEAD 1-1/4"-NC X 2-1/4" PL GR8
10	02782900	2	BLADE BOLT, SHOULDERED
11	02957089	2	LOCKWASHER, 1-1/8" PL STD
12	02984572	1	BLADE BOLTS, NUTS, ROLLPIN KIT (INCLUDES 2 EACH OF ITEMS 1, 2, & 10)

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



#16 hose fitting

2 - 90° adapters elbow

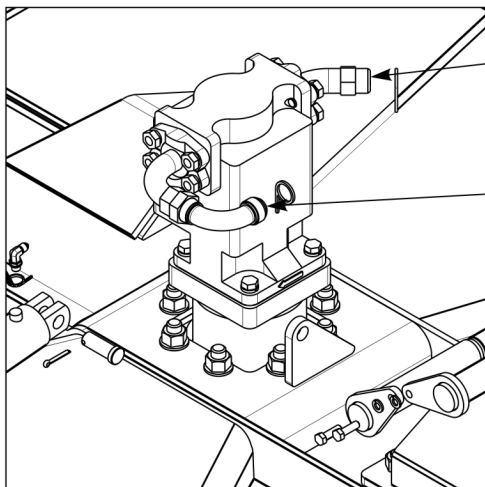
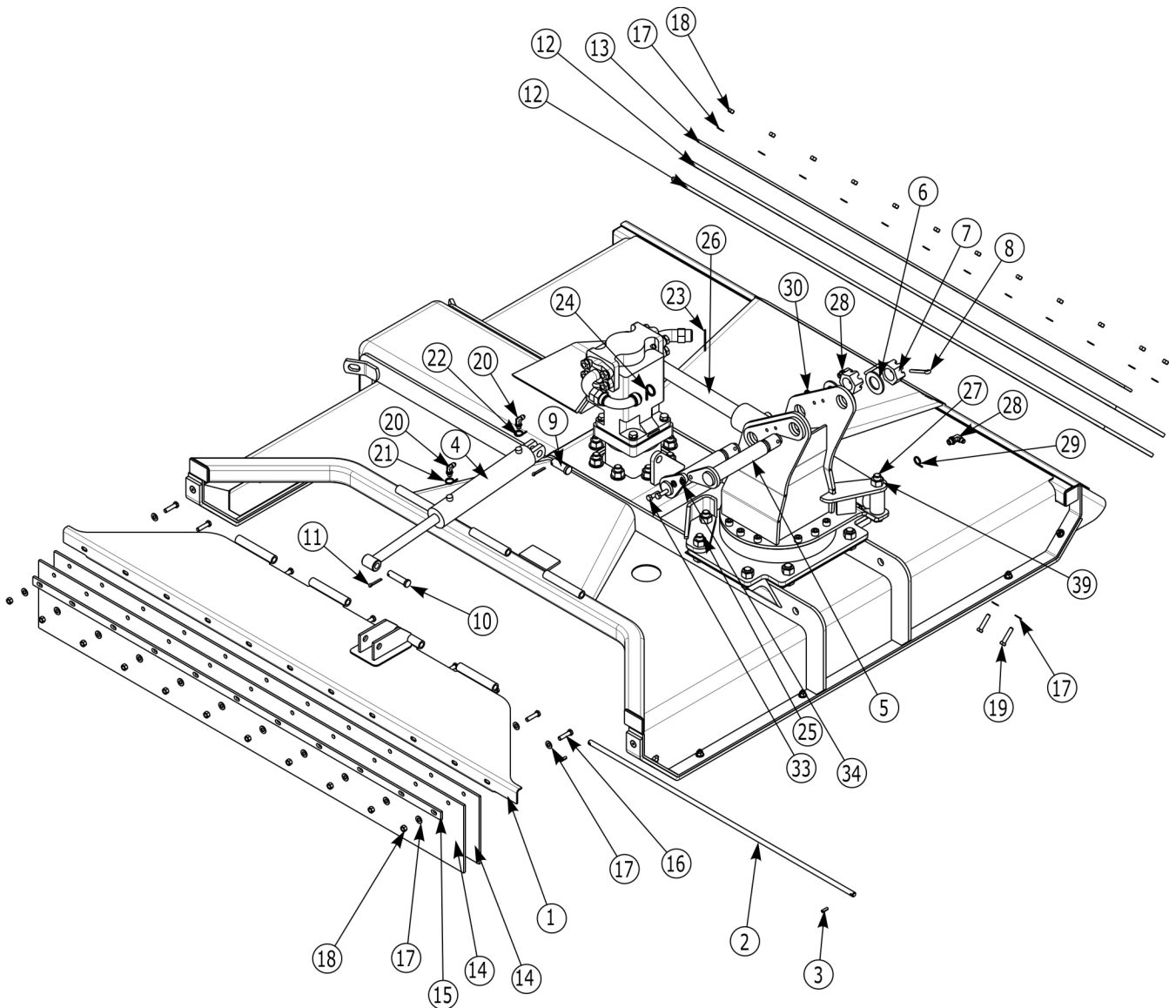


## 60 IN ROTARY - BLADE BAR HEAD ASY (SOLID MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986203	1	ASY, 60" ROT, GEAR BAR
1	02971963	1	WELDMENT, DOOR
2	02967782	1	ROD-HINGE
3	99338S	2	PIN ROLL 1/4 X 3/4
4	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
5	02981757	2	WELDMENT, PIN, HITCH POST
6	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
7	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
8	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
9	651102	1	PIN-DRILLED
10	02976448	1	PIN - MACHINED HEAD
11	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
12	02885700	2	REAR FLAP 10 X 63 X 3/8 THK
13	02885800	1	REAR CLAMP BAR
14	00759862	2	DEBRIS DEFLECTOR
15	00756875	1	FLAP HOLD DOWN BAR
16	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
17	00011100	46	FLATWASHER 3/8 STD
18	00015800	37	LOCKNUT TLM 3/8 NC PLC
19	00007000	12	HHCS 3/8 NC 1-3/4 PL5
20	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
21	02968836	1	PLASTIC TIE, YELLOW
22	02968837	1	PLASTIC TIE, YELLOW & WHITE
23	02968894	1	PLASTIC TIE, RED, 11LG
24	02968896	1	PLASTIC TIE, ORANGE, 11LG
25	02972949	2	BOLT, HHCS 3/8 NC 1-1/4 PL8
26	00012101	2	LOCKWASHER, 3/8" PL
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)

# 60 IN ROTARY - BLADE BAR HEAD ASY (SWIVEL MNT)



#16 hose fitting

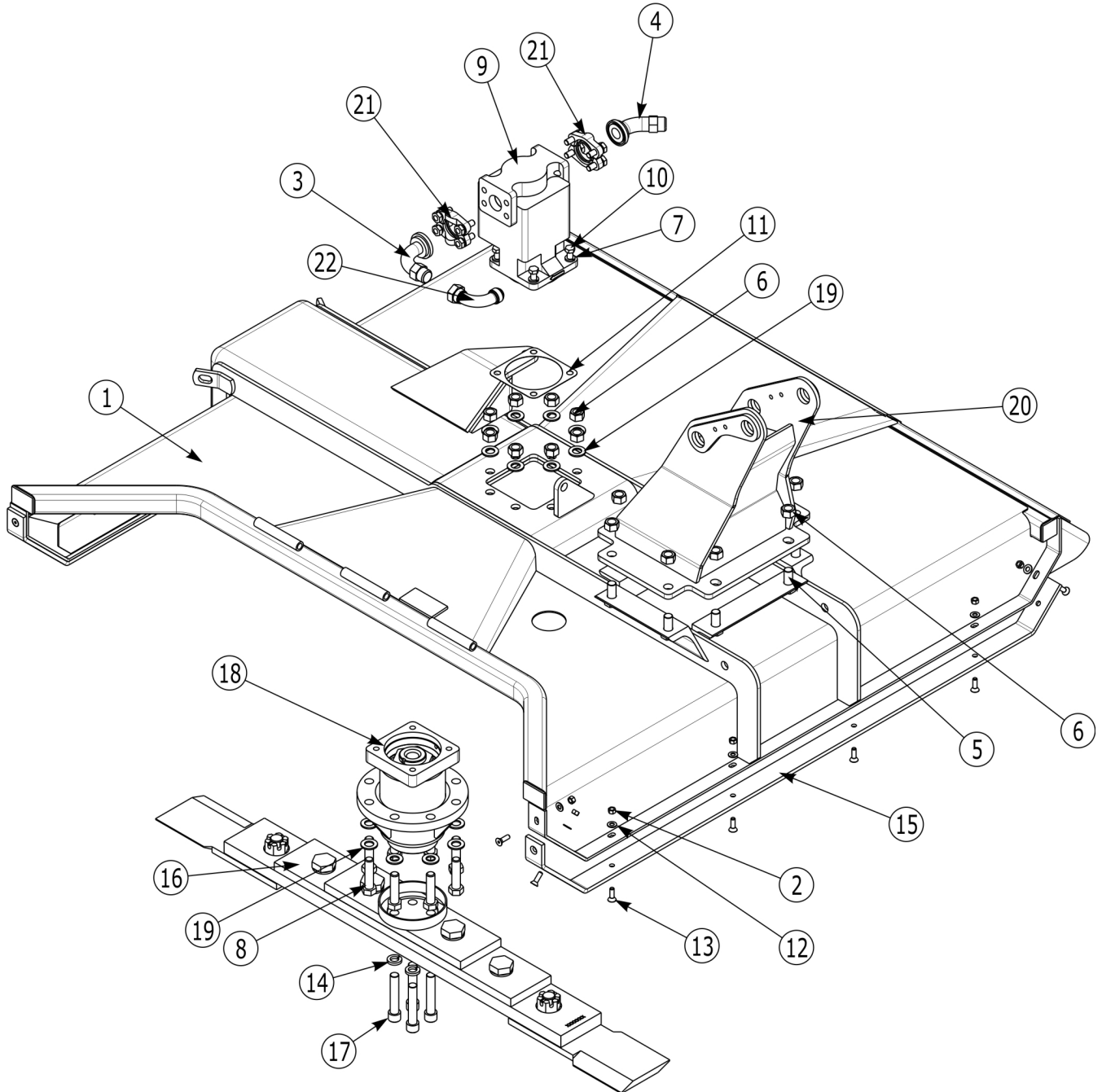
2 - 90° adapters elbow

## 60 IN ROTARY - BLADE BAR HEAD ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02971963	1	WELDMNT, DOOR
2	02967782	1	ROD-HINGE
3	99338S	2	PIN ROLL 1/4 X 3/4
4	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
5	02981757	2	WELDMNT, PIN, HITCH POST
6	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
7	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
8	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
9	651102	1	PIN-DRILLED
10	02976448	1	PIN - MACHINED HEAD
11	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
12	02885700	2	REAR FLAP 10 X 63 X 3/8 THK
13	02885800	1	REAR CLAMP BAR
14	00759862	2	DEBRIS DEFLECTOR
15	00756875	1	FLAP HOLD DOWN BAR
16	00023100	11	HHCS 3/8 X 1-1/2 NC PL GR5
17	00011100	46	FLATWASHER 3/8 STD
18	00015800	37	LOCKNUT TLM 3/8 NC PLC
19	00007000	12	HHCS 3/8 NC 1-3/4 PL5
20	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
21	02968836	1	PLASTIC TIE, YELLOW
22	02968837	1	PLASTIC TIE, YELLOW & WHITE
23	02968894	1	PLASTIC TIE, RED, 11LG
24	02968896	1	PLASTIC TIE, ORANGE, 11LG
25	02963646	3	HHCS 3/4 NC 2-1/2 PL8
26	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
27	00754105	1	HHCS 3/4 NC 4-1/2 PL8
28	03200762	2	ADP, HYD 6MB-4MJ 90
29	02968833	1	PLASTIC TIE, GREEN & WHITE
30	02968832	1	PLASTIC TIE, GREEN
31	02958858	1	#16MJ-16FJ TUBE 90°
32	02984002	1	WLDMNT, STOP, SWIVEL
33	02972949	2	BOLT, HHCS 3/8 NC 1-1/4 PL8
34	00012101	2	LOCKWASHER, 3/8" PL
39	00037200	1	NUT 3/4-NC TOPLOCK
	02968874	1	MOTOR PRESSURE HOSE (RED)
	02969463	1	MOTOR RETURN HOSE (ORANGE)
	02968877	1	DOOR BASE HOSE (YELLOW/WHITE)
	02968878	1	DOOR ROD HOSE (YELLOW)
	02981844	1	SWIVEL ROD HOSE (GREEN)
	02981845	1	SWIVEL BASE HOSE (GREEN/WHITE)

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

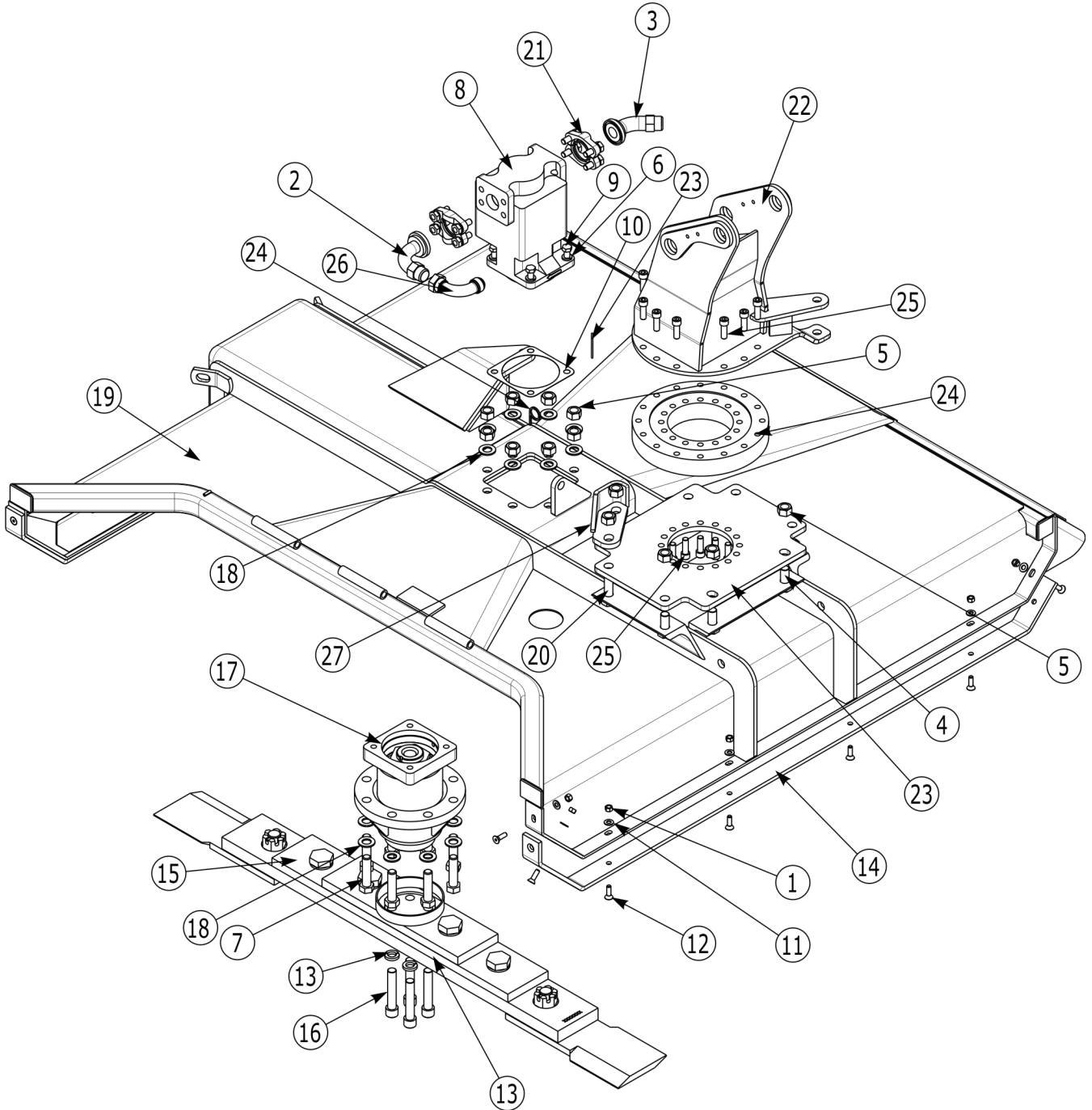


## 60 IN ROTARY - BLADE BAR HEAD SUB-ASY (SOLID MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986203	1	ASY, 60" ROT, GEAR, BAR
1	02981410	1	WELDMENT,60" ROTARY,SWIVEL
2	00015800	37	LOCKNUT TLM 3/8 NC PLC
3	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
4	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
5	02963645	8	HHCS 3/4 NC 1-3/4 PL8
6	00037200	16	NUT 3/4 NC LOCKNUT
7	00019600	4	LOCKWASHER, 1/2 HVY, PLATED
8	03200269	8	HHCS 3/4 NC 3 PL8
9	02989904	1	MOTOR, HYD, GEAR, 5.73 HP SEAL
10	02891800	4	HHCS 1/2 NC 1-3/4 PL8
11	02961038	1	GASKET
12	15B600	14	WASHER 3/8 SAE P
13	00059700	14	FSCS 3/8 NC X 1-1/4
14	00003901	4	LOCKWASHER 3/4 HEAVY
15	02966899	2	SKID SHOE
16	02969230	1	ASY, BLADE BAR W/BLADES
17	02964861	4	SHCS 3/4 NC 4" LG PL8
18	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
19	5312316	16	FLATWASHER 3/4 HARDENED
20	02986200	1	WELDMENT, HITCH POST
21	00749101	2	SPLIT FLANGE KIT #24
22	02958858	1	#16MJ-16FJ TUBE 90°

# 60 IN ROTARY - BLADE BAR HEAD SUB-ASY (SWIVEL MNT)

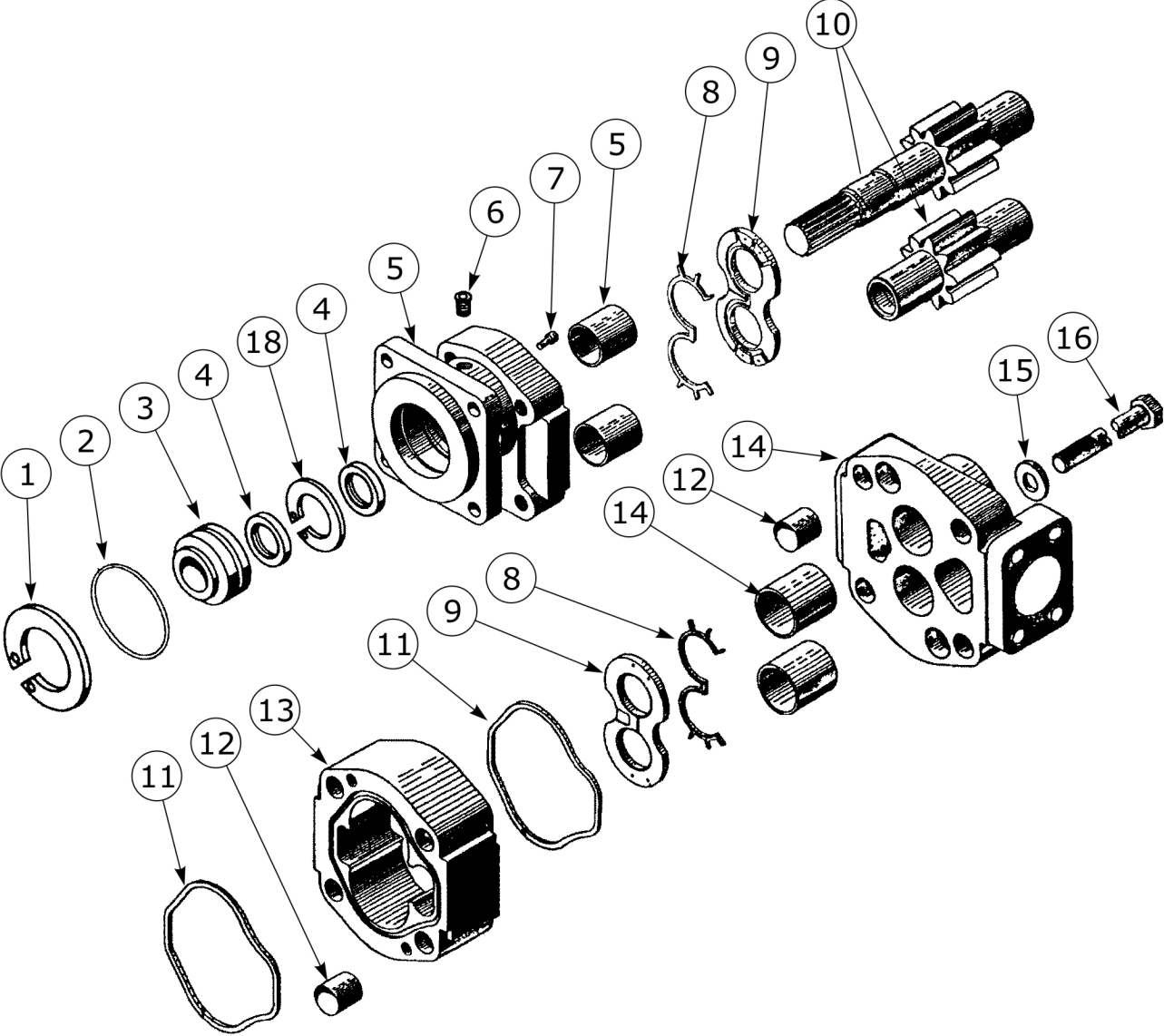


## 60 IN ROTARY - BLADE BAR HEAD SUB-ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986190	1	ASY, 60" ROT, GEAR BAR, SWIVEL
1	00015800	37	LOCKNUT TLM 3/8 NC PLC
2	00751842	1	ADP HYD ELBOW 24FL - 16MJ - 90
3	00749104	1	ADP HYD ELBOW 24FL - 16MJ - 45
4	02963645	6	HHCS 3/4 NC 1-3/4 PL8
5	00037200	18	NUT 3/4 NC LOCKNUT
6	00019600	4	LOCKWASHER, 1/2 HVY, PLATED
7	03200269	8	HHCS 3/4 NC 3 PL8
8	02989904	1	MOTOR, HYD, GEAR, 5.73 HP SEAL
9	02891800	4	HHCS 1/2 NC 1-3/4 PL8
10	02961038	1	GASKET
11	15B600	14	WASHER 3/8 SAE P
12	00059700	14	FSCS 3/8 NC X 1-1/4
13	00003901	4	LOCKWASHER 3/4 HEAVY
14	02966899	2	SKID SHOE
15	02969230	1	ASY, BLADE BAR W/BLADES
16	02964861	4	SHCS 3/4 NC 4" LG PL8
17	02968859A	1	ASSEMBLY, SPINDLE HOUSING-SPLINED
18	5312316	16	FLATWASHER 3/4 HARDENED
19	02981410	1	WELDMNT,60" ROTARY,SWIVEL
20	02963646	3	HHCS 3/4 NC 2-1/2 PL8
21	00749101	2	SPLIT FLANGE KIT #24
22	02985319	1	WELDMNT, HITCH POST
23	02981752	1	PLATE, HITCH POST BOTTOM, MAVERICK
24	02981318	1	SLEWING BEARING, 12 OD X 5.8 ID
25	02981820	28	SHCS 1/2 NC X 1 1/2" LG PL8
26	02958858	1	#16MJ-16FJ TUBE 90°
27	02984002	1	WLDMNT, STOP, SWIVEL

60 IN ROTARY - MOTOR (PARTS) (MODEL NO. 322-9210-036)



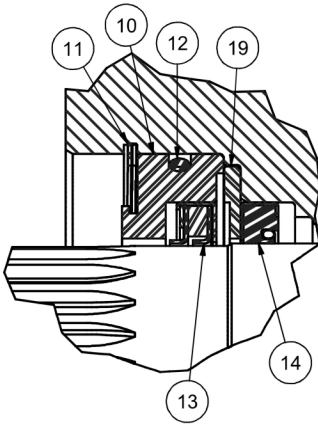


**60 IN ROTARY - MOTOR (PARTS) (MODEL NO. 322-9210-036)**

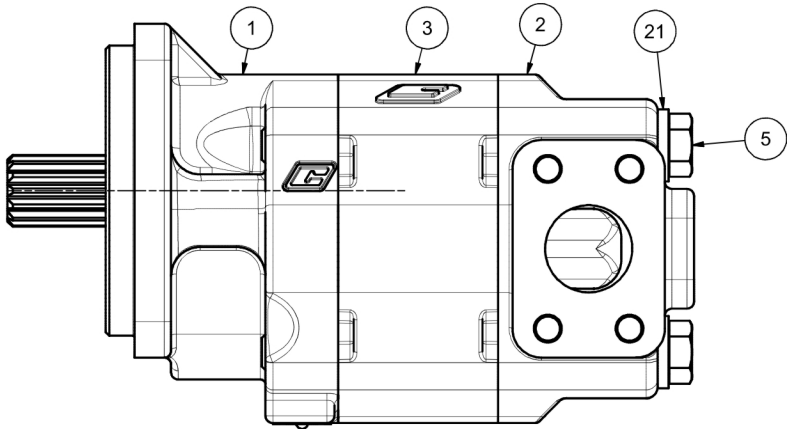
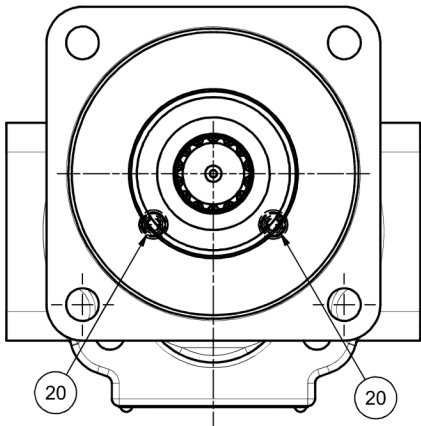
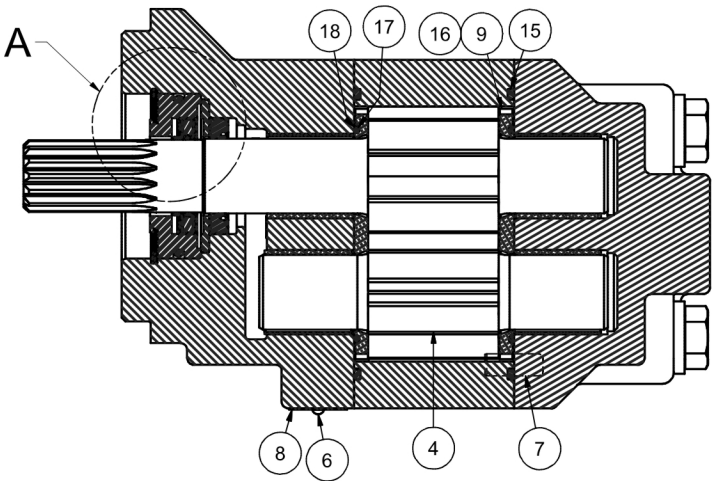
**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02961747	1	MOTOR ASY, CAST IRON W/ SPLINED SHAFT
1	02962200	1	SNAP RING
2	-----	1	O-RING (SEE SEAL KIT)
3	02962199	1	SEAL RETAINER
4	-----	2	SEAL (SEE SEAL KIT)
5	02962192	1	MOUNTING FLANGE
6	02961940	1	PLUG, HEX SOCKET HEAD 4MB
7	02961931	2	CHECK ASY
8	-----	4	SEAL END (SEE SEAL KIT)
9	-----	2	THRUST PLATE (SEE SEAL KIT)
10	02962195	1	GEAR SET
11	-----	2	SQUARE SEAL, (SEE SEAL KIT)
12	02962201	4	DOWEL PIN
13	02962194	1	GEAR HOUSING
14	02962193	1	PORTING FLANGE
15	02962196	4	WASHER
16	02962197	4	BOLT, HEX HEAD
17	-----	4	SIDE SEAL, (SEE SEAL KIT) NOT SHOWN
18	02962291	1	SEAL RETAINER
19	02962540	1	SEAL KIT, MINOR REBUILD (ITEMS 2,4,8,11&17)
	02962202	1	SEAL KIT, MAJOR REBUILD (ITEMS 2,4,8,9,11&17)

60 IN ROTARY - MOTOR (PARTS) (MODEL NO. 323-9210-194)



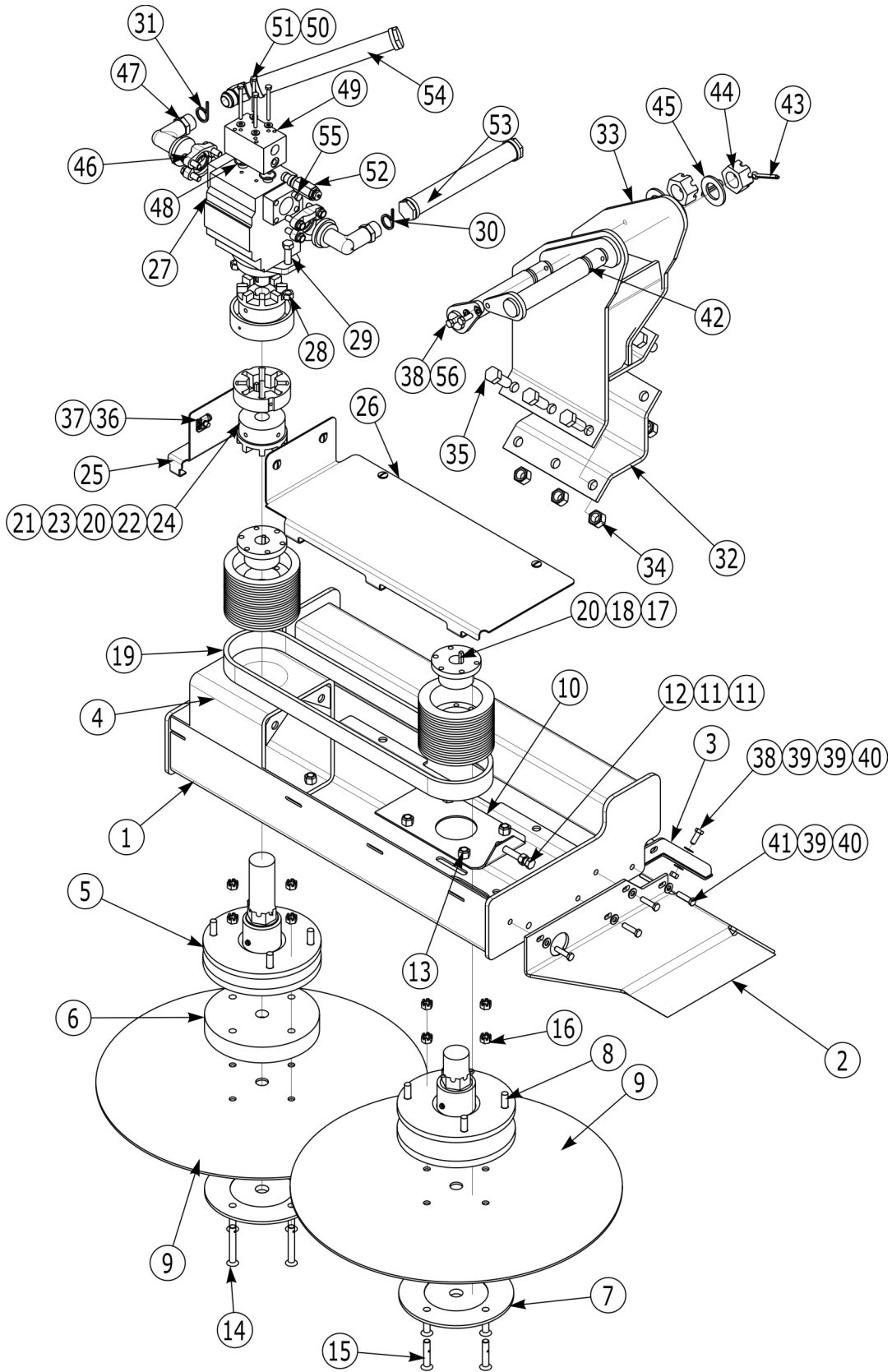
DETAIL "A"



**60 IN ROTARY - MOTOR (PARTS) (MODEL NO. 323-9210-194)****Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02989904	1	MOTOR, HYD, GEAR, 5.73, HP SEAL
1	02961926	1	HOUSING, SEC
2	02961927	1	HOUSING, PEC
3	02962288	1	HOUSING, GEAR
4	02990072	1	SET, GEAR SHAFT
5	02962289	4	CAP SCREW
6	02987938	2	SCREW, DRIVE
7	02979953	4	PIN, DOWEL
9	02979973	2	THRPL
10	02961932	1	RTNR, SEAL
11	02979971	1	RING, SNAP
12	02980321	1	SEAL, O-R
13	02979969	1	SEAL, LIP
14	02990073	1	SEAL, LIP
15	02979976	2	SEAL, SQ-R
16	02979975	4	SEAL, SIDE
17	02979974	4	SEAL, END
18	02979972	2	SEAL, BACK-UP
19	02990074	1	RTNR, SEAL
20	02961931	2	CHECK ASS'Y
21	02961917	4	WASHER
	02990075	1	KIT, HP, SEAL, 5.73 CID MOTOR

# 48 IN BUZZBAR - 2 BLADES (PART 1)

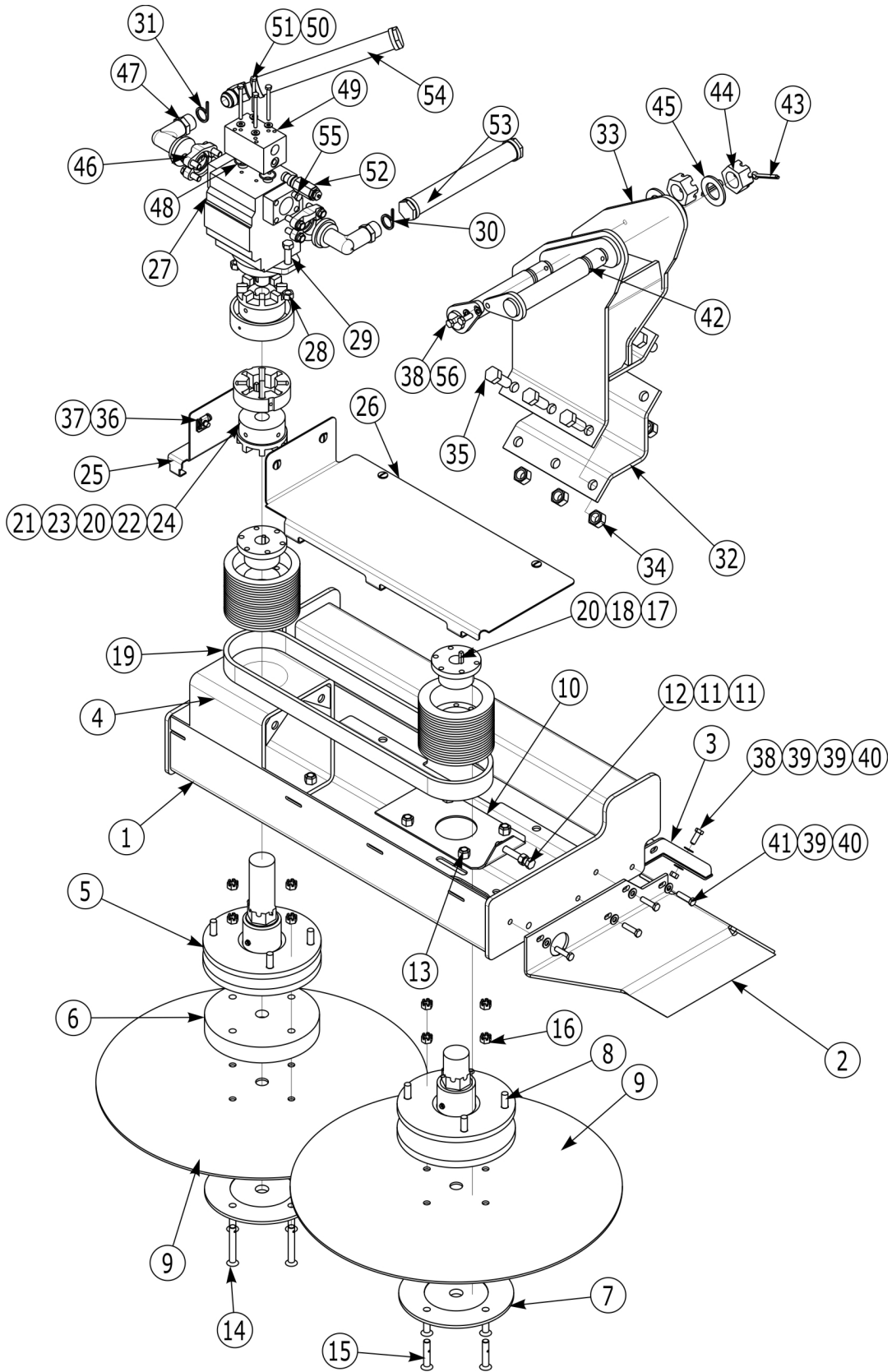


## 48 IN BUZZBAR - 2 BLADES (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986219	1	2 BLADE BUZZBAR ASSEMBLY
1	02983631	1	WELDMENT, SAW BODY 2 BLADE
2	02974207	1	BUMPER
3	02979274	1	WLDMT, REAR SHIELD 2 BLADE
4	02979262	1	MACHINED TUBE, MOTOR MOUNT
5	02978249	1	ASSEMBLY, SPINDLE SHAFT
6	02974238	1	BLADE SPACER
7	02974237	2	PLATE, SHAFT END CAP
8	02974235	1	HUB ASSY
9	02974236	2	BLADES
10	02974225	1	BRACKET TENSION ADJUST
11	00001200	2	NUT HEX 1/2 NC
12	002521	1	HHCS 1/2 NC 3-1/2, FULL THREAD
13	00750614	8	NUT 1/2 NF
14	02974659	4	FLAT SOCKET HEAD 1/2 NC X 3-1/2 W/ HOLE
15	02974658	4	FLAT SOCKET HEAD 1/2 NC X 2" W/ HOLE
16	02976017	8	SLOT NUT
17	02974239	2	SHEAVE
18	02974240	2	QD BUSHING
19	02974241	1	BELT, MICRO-V
20	02669600	3	SQ KEY
21	02978267	1	HUB, 20R10 W/1-1/8" BORE
22	02978268	1	INSERT, URETHANE
23	02978269	1	COVER, NYLON
24	02978266	1	HUB, 20R10 W/1-1/8" BORE
25	02979271	1	SHEET, BELT COVER, LEFT 2 BLADE
26	02979296	1	BELT COVER, SHORT
27	02975175	1	GEAR MOTOR
28	00001800	2	LOCKNUT TLM 1/2 NC PLB
29	00749130	2	HHCS 1/2 -13UNC 1 3/4 PL5
30	02968894	1	PLASTIC TIE, RED, 11LG
31	02968896	1	PLASTIC TIE, ORANGE, 11LG
32	02970324	1	PLATE-CLAMP, HITCHPOST
33	02986218	1	WELDMENT, HITCHPOST
34	00037200	6	NUT 3/4 NC LOCKNUT
35	02918600	6	HHCS 3/4 NC 2 PL8
36	02984677	7	SLIP ON RECEPTACLE 9MM
37	02984678	7	STUD 9MM 1/4 TURN
38	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
39	00011100	10	FLATWASHER 3/8 STD
40	00015800	9	LOCKNUT TLM 3/8 NC PLC

# 48 IN BUZZBAR - 2 BLADES (PART 2)

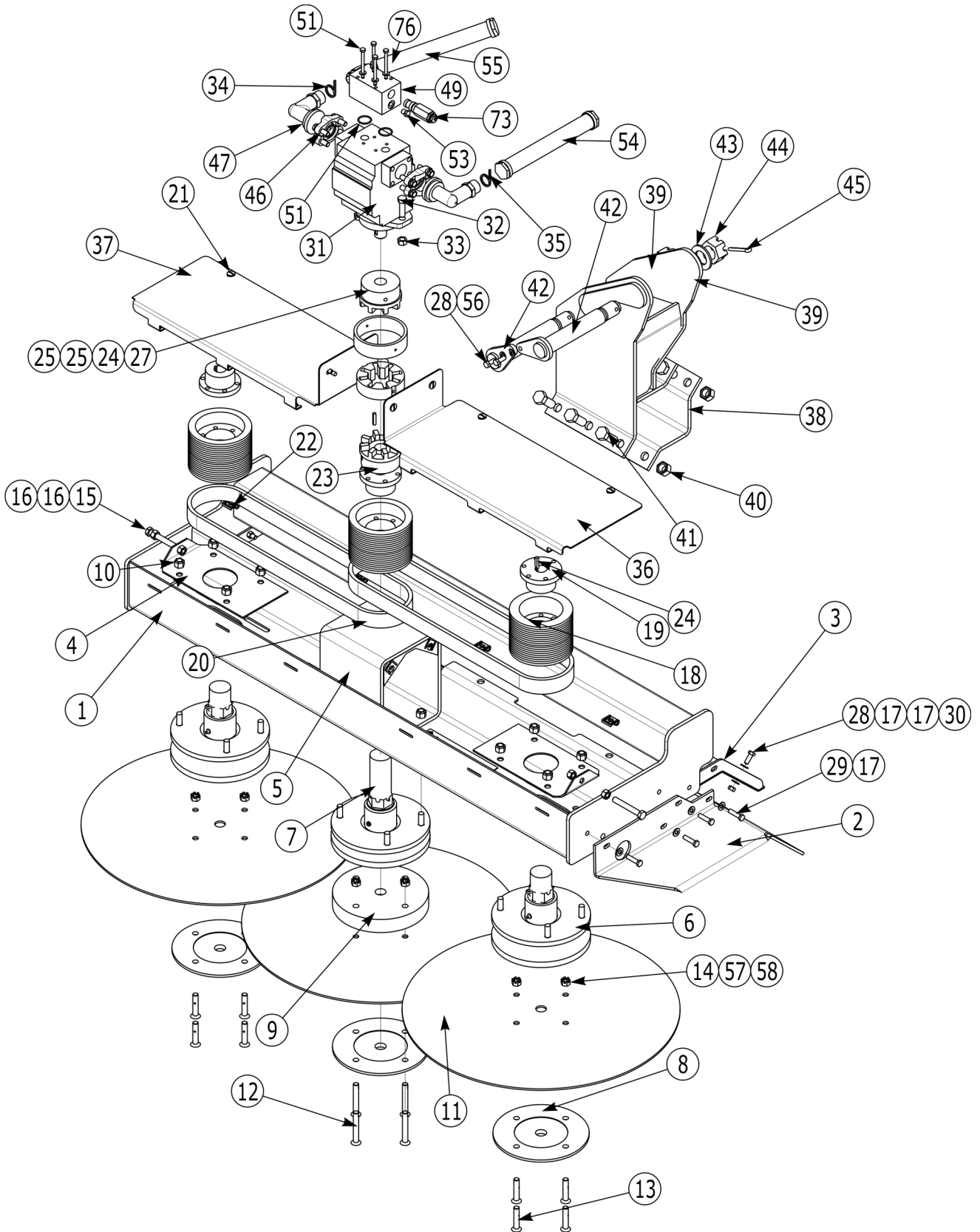


## 48 IN BUZZBAR - 2 BLADES (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	00023100	8	HHCS 3/8 X 1-1/2 NC PL GR5
42	02981757	2	WELDMENT, PIN, HITCH POST
43	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
44	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
45	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
46	00749103	2	#20 SPLIT FLANGE KIT
47	02754100	2	ADP, HYD 20FL-16MJ-90
48	00761699	2	O-RING
49	00760886	1	MANIFOLD COMM. MOTOR HYDRO-15
50	00024100	4	FLATWASHER STD 1/4 PL
51	10074000	4	HHCS
52	00751790	1	RELIEF CARTRIDGE
53	02988057	1	HOSE #16-16FJX -16FJX -74LG
54	02969678	1	HOSE #16-16FJX -16FJX45 -74LG
55	02961940	1	PLUG
56	03101646	2	LOCKWASHER 3/8
57	63000500	8	WASHER TYRONE #11146, PLATED
58	40010000	8	PIN, COTTER 1/8 X 1
59	02961085	1	CORDURA SLEEVE

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 1)



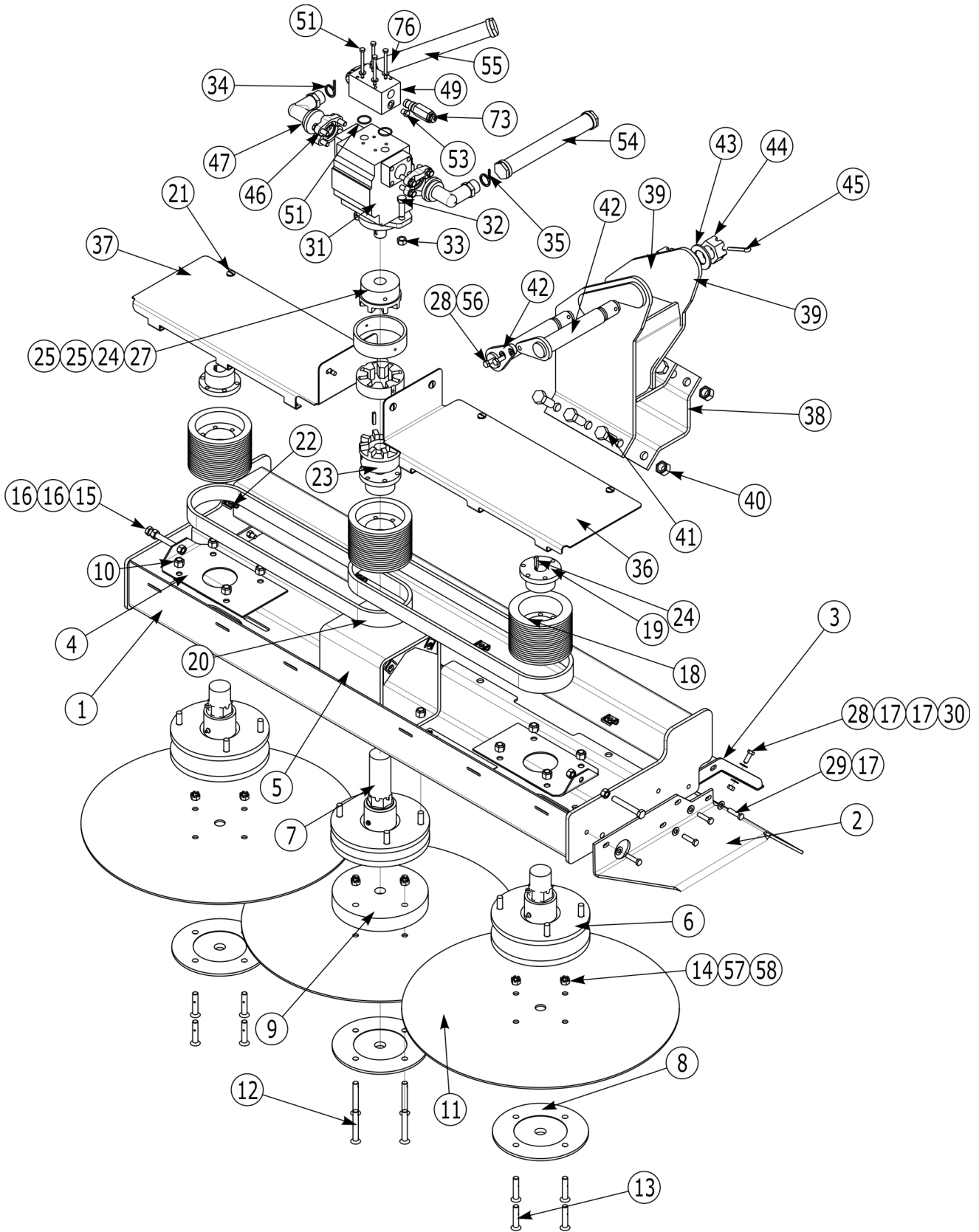


## 69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986229	1	ASY 3-BLADE BUZZBAR GEAR
1	02983632	1	WELDMENT, SAW BODY 3 BLADE
2	02974207	1	BUMPER
3	02979258	1	WLDMT, SHIELD 3 BLADE
4	02974225	2	BRACKET TENSION ADJUST
5	02979262	1	MACHINED TUBE, MOTOR MOUNT
6	02974235	2	HUB ASSY
7	02978249	1	ASSEMBLY, SPINDLE SHAFT
8	02974237	3	PLATE, SHAFT END CAP
9	02974238	1	BLADE SPACER
10	00750614	12	NUT 1/2 NF
11	02974236	3	BLADES
12	02974659	4	FLAT SOCKET HEAD 1/2 NC X 3-1/2 W/ HOLE
13	02974658	8	FLAT SOCKET HEAD 1/2 NC X 2" W/ HOLE
14	02976017	12	SLOT NUT
15	002521	2	HHCS 1/2 NC 3-1/2, FULL THREAD
16	00001200	4	NUT HEX 1/2 NC
17	00011100	10	FLATWASHER 3/8 STD
18	02974239	3	SHEAVE
19	02974240	3	QD BUSHING
20	02974241	2	BELT, MICRO-V
21	02984678	8	STUD 9MM 1/4 TURN
22	02984677	8	SLIP ON RECEPTACLE 9MM
23	02978267	1	HUB, 20R10 W/1-1/8" BORE
24	02669600	4	SQ KEY
25	02978268	1	INSERT, URETHANE
26	02978269	1	COVER, NYLON
27	02978266	1	HUB, 20R10 W/1-1/8" BORE
28	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
29	00023100	8	HHCS 3/8 X 1-1/2 NC PL GR5
30	00015800	9	LOCKNUT TLM 3/8 NC PLC
31	02975175	1	GEAR MOTOR
32	00749130	2	HHCS 1/2 -13UNC 1 3/4 PL5
33	00001800	2	LOCKNUT TLM 1/2 NC PLB
34	02968894	1	PLASTIC TIE, RED, 11LG
35	02968896	1	PLASTIC TIE, ORANGE, 11LG
36	02979296	1	BELT COVER, SHORT
37	02979255	1	BELT COVER, LEFT 3 BLADE
38	02970324	1	PLATE-CLAMP, HITCHPOST
39	02986218	1	WELDMENT, HITCHPOST
40	00037200	6	NUT 3/4 NC LOCKNUT

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 2)



## 69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02918600	6	HHCS 3/4 NC 2 PL8
42	02981757	2	WELDMENT, PIN, HITCH POST
43	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
44	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
45	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
46	00749103	2	#20 SPLIT FLANGE KIT
47	02754100	2	ADP, HYD 20FL-16MJ-90
48	00761699	2	O-RING
49	00760886	1	MANIFOLD COMM. MOTOR HYDRO-15
50	00024100	4	FLATWASHER STD 1/4 PL
51	10074000	4	HHCS
52	00751790	1	RELIEF CARTRIDGE
53	02961940	1	PLUG
54	02988057	1	HOSE #16-16FJX -16FJX -74LG
55	02969678	1	HOSE #16-16FJX -16FJX45 -74LG
56	03101646	2	LOCKWASHER 3/8
57	63000500	8	WASHER TYRONE #11146, PLATED
58	40010000	8	PIN, COTTER 1/8 X 1
59	02961085	1	CORDURA SLEEVE

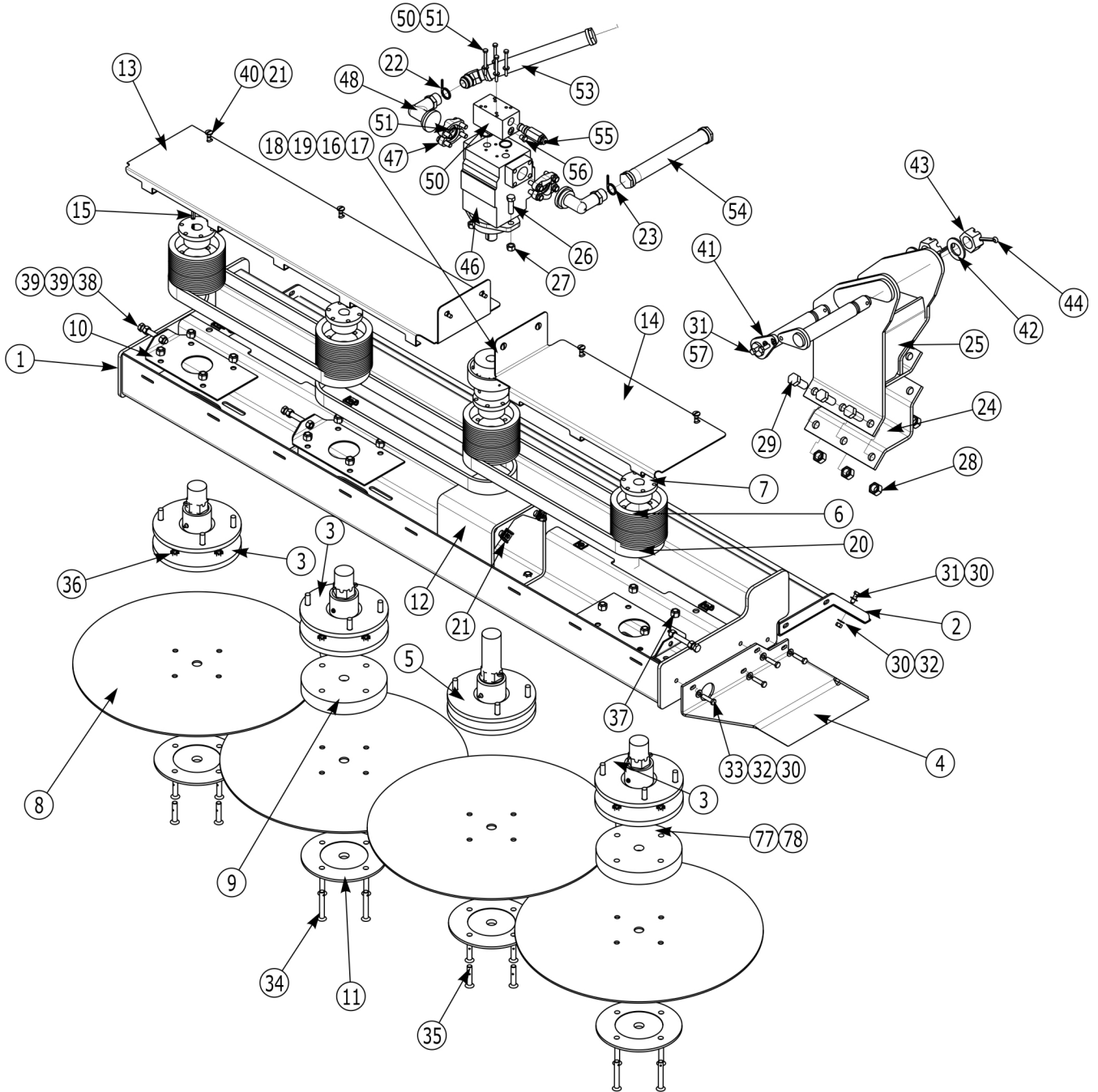


## 90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986235	1	ASY 4-BLADE BUZZBAR, GEAR
1	02983633	1	WELDMENT, SAW BODY 4 BLADE
2	02974212	1	WLDMT, REAR SHIELD
3	02974235	3	HUB ASSY
4	02974207	1	BUMPER
5	02978249	1	ASSEMBLY, SPINDLE SHAFT
6	02974239	4	SHEAVE
7	02974240	4	QD BUSHING
8	02974236	4	BLADES
9	02974238	2	BLADE SPACER
10	02974225	3	BRACKET TENSION ADJUST
11	02974237	4	PLATE, SHAFT END CAP
12	02979262	1	MACHINED TUBE, MOTOR MOUNT
13	02979297	1	BELT COVER, LONG
14	02979296	1	BELT COVER, SHORT
15	02669600	5	SQ KEY
16	02978267	1	HUB, 20R10 W/1-1/8" BORE
17	02978266	1	HUB, 20R10 W/1-1/8" BORE
18	02978269	1	COVER, NYLON
19	02978268	1	INSERT, URETHANE
20	02974241	3	BELT, MICRO-V
21	02984677	9	SLIP ON RECEPTACLE 9MM
22	02968896	1	PLASTIC TIE, ORANGE, 11LG
23	02968894	1	PLASTIC TIE, RED, 11LG
24	02970324	1	PLATE-CLAMP, HITCHPOST
25	02986218	1	WELDMENT, HITCHPOST
26	00749130	2	HHCS 1/2 -13UNC 1 3/4 PL5
27	00001800	2	LOCKNUT TLM 1/2 NC PLB
28	00037200	6	NUT 3/4 NC LOCKNUT
29	02918600	6	HHCS 3/4 NC 2 PL8
30	00011100	10	FLATWASHER 3/8 STD
31	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
32	00015800	9	LOCKNUT TLM 3/8 NC PLC
33	00023100	8	HHCS 3/8 X 1-1/2 NC PL GR5
34	02974659	8	FLAT SOCKET HEAD 1/2 NC X 3-1/2 W/ HOLE
35	02974658	8	FLAT SOCKET HEAD 1/2 NC X 2" W/ HOLE
36	02976017	16	SLOT NUT
37	00750614	16	NUT 1/2 NF
38	002521	3	HHCS 1/2 NC 3-1/2, FULL THREAD
39	00001200	6	NUT HEX 1/2 NC
40	02984678	9	STUD 9MM 1/4 TURN

# 90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 2)



## 90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 2)

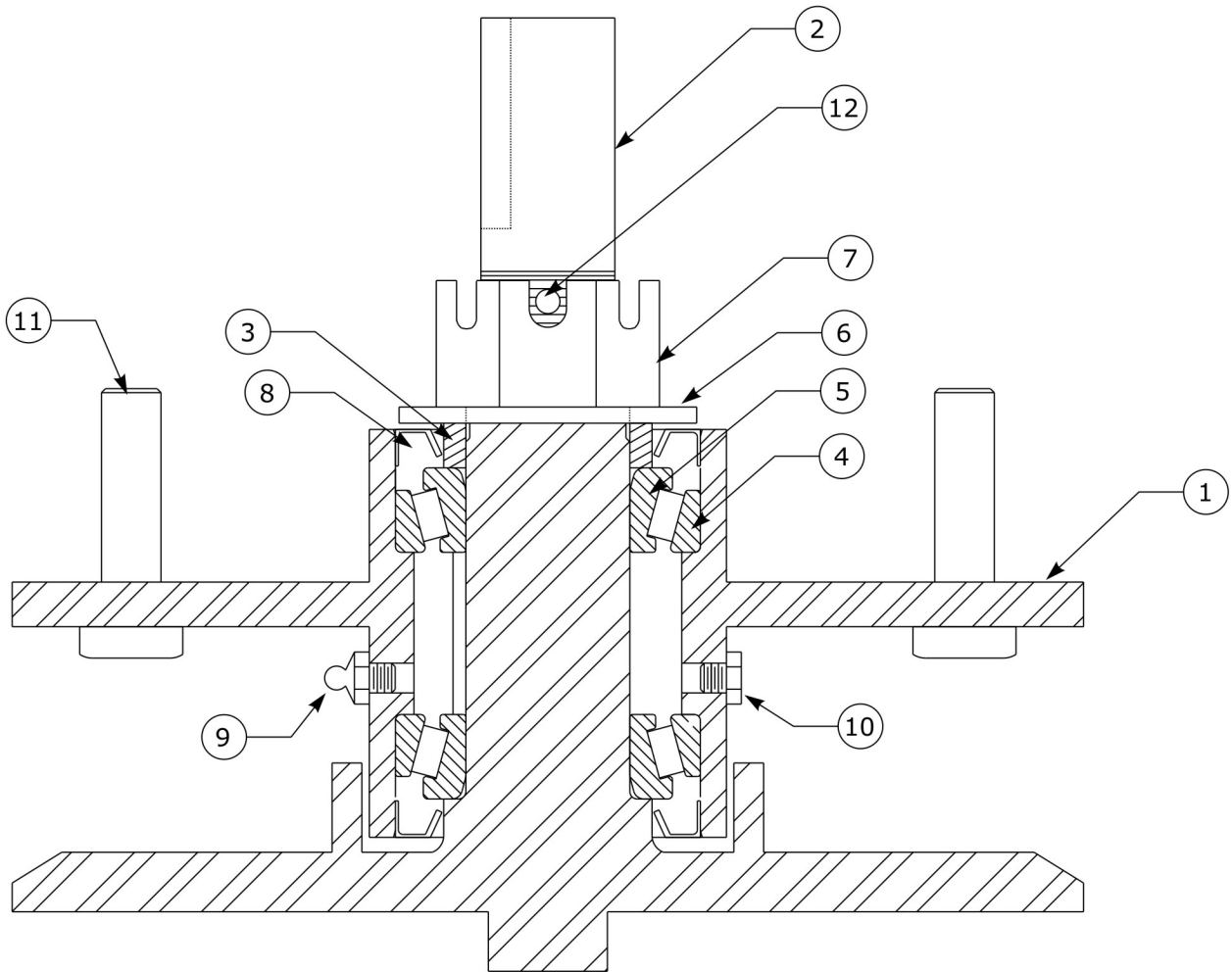
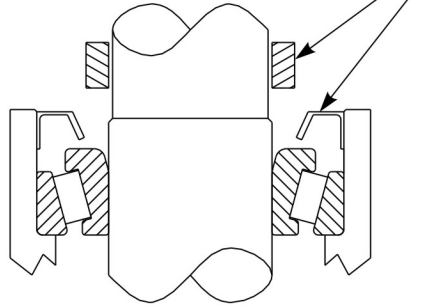
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02981757	2	WELDMENT, PIN, HITCH POST
42	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
43	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
44	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
45	02975513	1	PLATE S/N PR 48
65	02975175	1	GEAR MOTOR
66	00749103	2	#20 SPLIT FLANGE KIT
67	02754100	2	ADP, HYD 20FL-16MJ-90
68	00761699	2	O-RING
69	00760886	1	MANIFOLD COMM. MOTOR HYDRO-15
70	00024100	4	FLATWASHER STD 1/4 PL
71	10074000	4	HHCS
72	02969678	1	HOSE #16-16FJX -16FJX45 -74LG
73	02988057	1	HOSE #16-16FJX -16FJX -74LG
74	00751790	1	RELIEF CARTRIDGE
75	02961940	1	PLUG
76	03101646	2	LOCKWASHER 3/8
77	40010000	16	PIN, COTTER 1/8 X1
78	63000500	16	WASHER, FLAT, PLATED

# BUZZ BAR SPINDLE ASSEMBLY

## UPPER SEAL INSTALLATION

FIRST INSTALL SEAL (LIP DOWN)  
THEN SLIDE THE RING IN



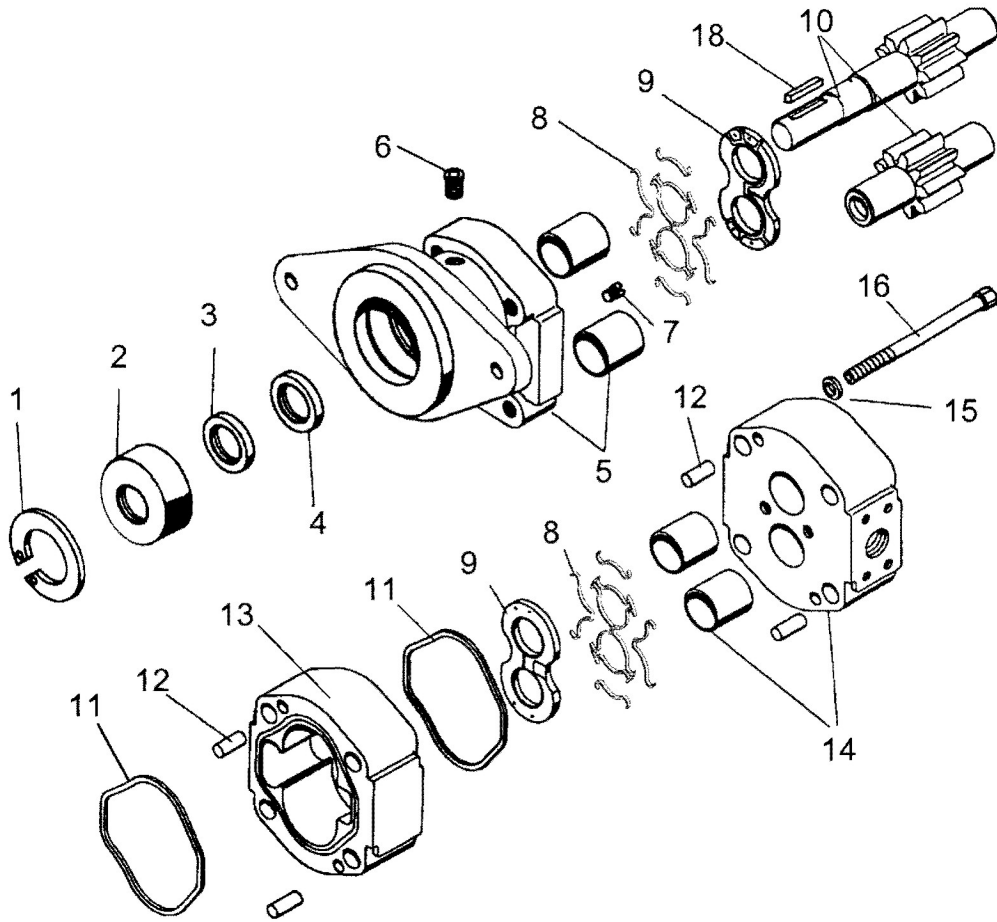


## BUZZ BAR SPINDLE ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02974235	1	ASSEMBLY SPINDLE SHAFT
1	02974224	1	HOUSING, MACHINED
2	02978472	1	WLDMT, SHAFT W/ ANTI-WRAP
3	02974234	1	COLLAR, BEARING PRELOAD
4	70044	2	BEARING CUP
5	5312314	2	BEARING ROLLER
6	15C2000	1	WASHER, HARDENED
7	5D20120	1	NUT, HEX SLOTTED
8	00766549	2	SEAL
9	00003500	1	GREASE FITTING, 1/8 MP STRGHT
10	02959018	1	GREASE VENT 1/8 MP, 1-5 LB
11	00752177	4	STUD
12	00606000	1	COTTER PIN

**BUZZ BAR - HYD MOTOR PARTS - P/N 02975175**

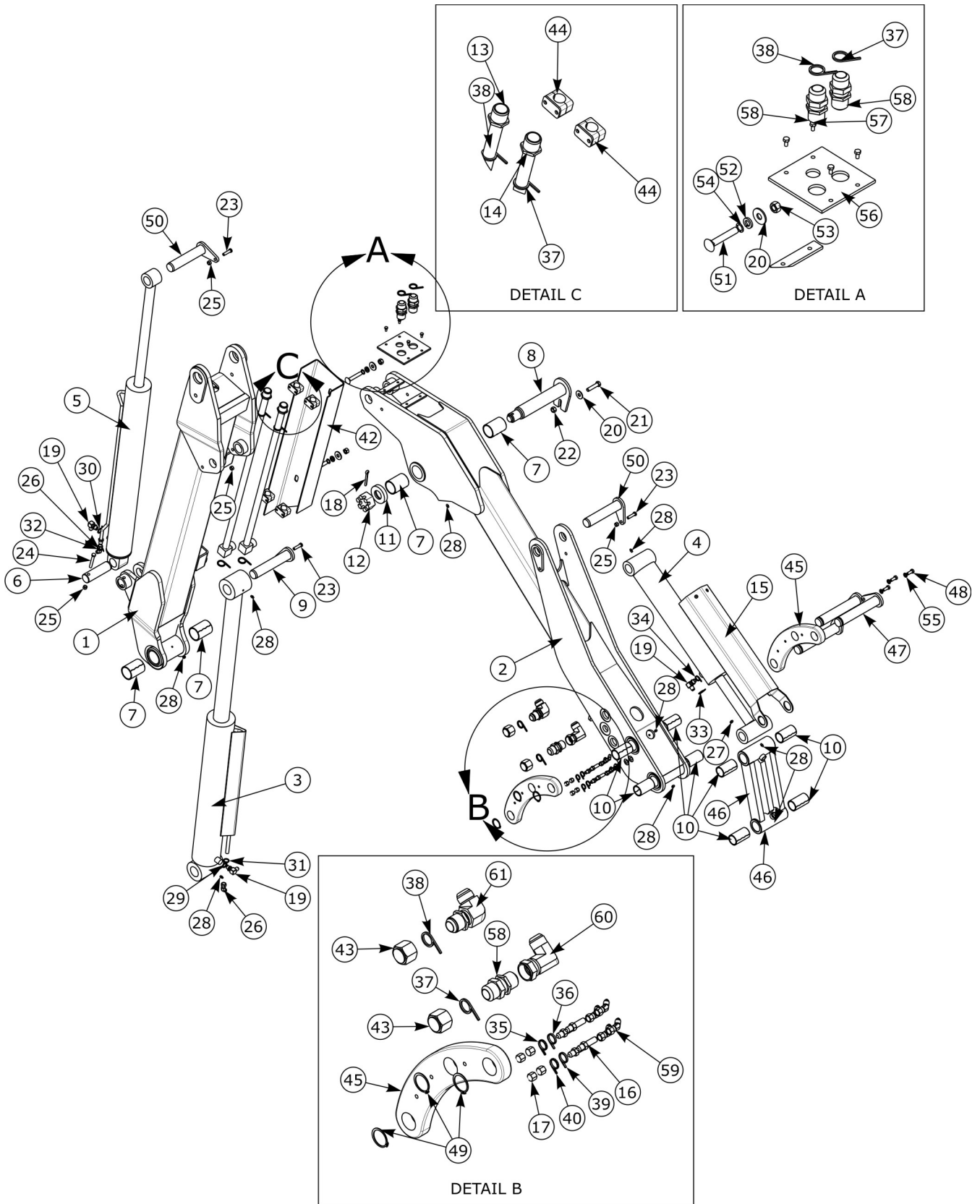


**BUZZ BAR - HYD MOTOR PARTS - P/N 02975175**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02975175	1	MOTOR ASY, GEAR TYPE 3.94 CIR
1	02962210	1	SNAP RING
2	02964940	1	SPACER
3	02976771	1	RETAINER SEAL
4	-----	1	SEAL (IN ITEM 19 & 20)
5	02964704	1	FLANGE, MOUNTING
6	02961940	1	PLUG, HEX SOCKET HEAD
7	02961931	2	CHECK ASY.
8	-----	4	SEAL END (IN ITEM 19 & 20)
9	-----	2	THRUST PLATE (IN ITEM 20 ONLY )
10	02964937	1	GEAR & SHAFT SET
11	-----	2	SQUARE SEAL, (IN ITEM 19 & 20)
12	02961924	4	DOWEL PIN
13	02962205	1	GEAR HOUSING
14	02976773	1	PORTING FLANGE
15	02961917	4	WASHER
16	02962208	4	BOLT
17	-----	4	SIDE SEAL, NOT SHOWN (IN ITEM 19 & 20)
18	02964956	1	KEY
19	02964938	1	SEAL KIT, MINOR (ITEMS 4,8,11 & 17)
20	02964939	1	SEAL KIT, MAJOR (ITEMS 4,8,9,11 & 17)

# BOOM ASY - 18 FT BOOM (PART 1)

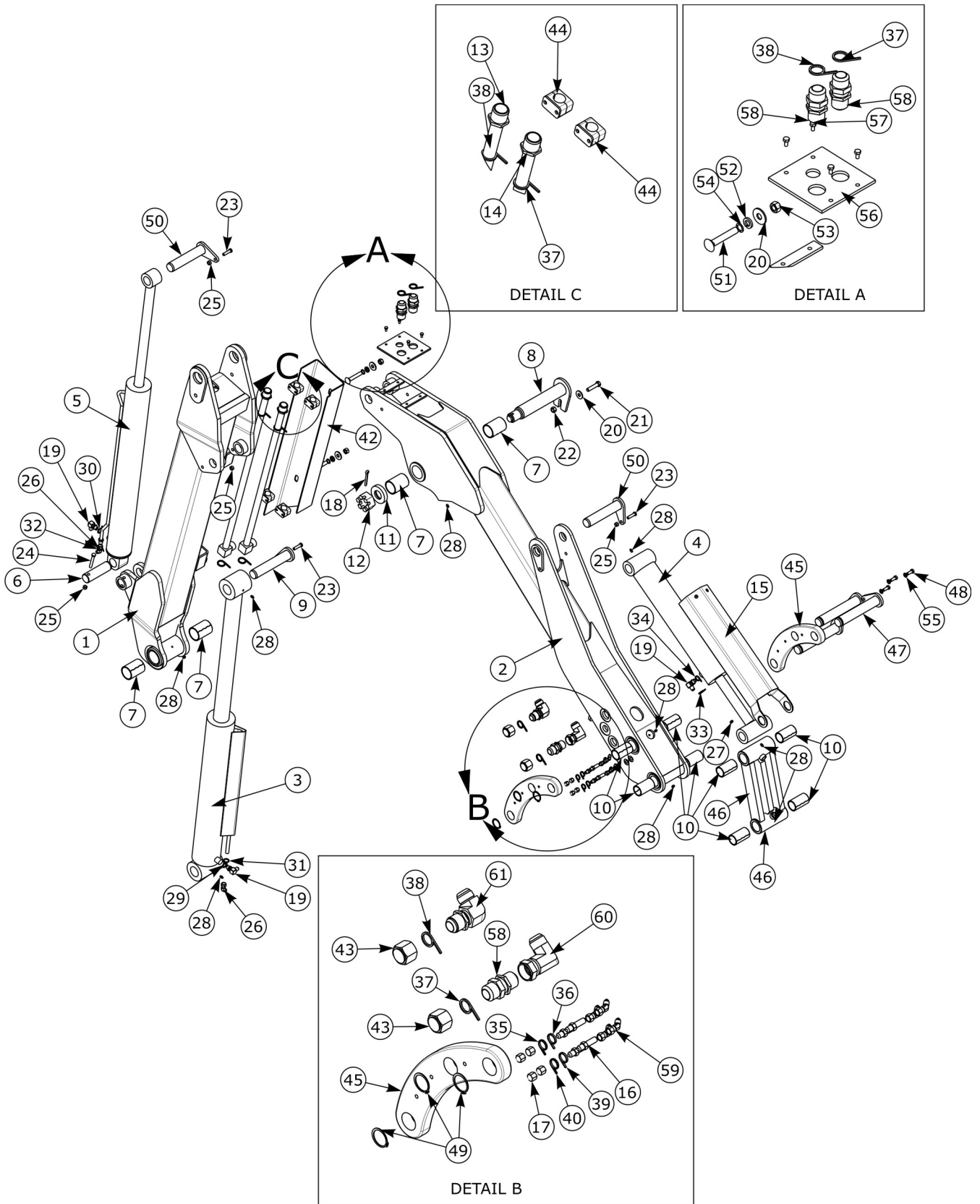


## BOOM ASY - 18 FT BOOM (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986400	1	ASSEMBLY, 18 AXTREME 2
1	02984820	1	WELDMNT,18' LIFT
2	02990259	1	WLDMNT, DIPPER, GEN2, U.M.
3	02981279	1	CYLINDER, 4.0B X 2.25R X 24.63S
4	02984944	1	CYLINDER, 3.5B X 1.5R X 16.0S
5	02983320	1	CYL, 3.5B X 1.5R X 30.0S
6	02971751	1	PIN, 1-1/2 X 5-3/16 & 13/32 HOLE
7	02981420	4	CONNEX BUSHING, 2 1/4 X 2 X 3
8	02981294	1	WELDMNT, PIN, LIFT/ DIPPER
9	02982981	1	WELDMNT, CYLINDER PIN LONG, NEW BOOM
10	02981424	8	CONNEX BUSHING, 1 3/4 X 1 1/2 X 3
11	02981273	1	SPACER, PIN, DIPPER, MAVERICK
12	02981702	1	SLOTTED NUT, 1-1/2 NF
13	02984819	1	HYDRAULIC TUBE, #16
14	02984817	1	HYDRAULIC TUBE, #16
15	02985273	1	ASSEMBLY, TILT CYLINDER COVER
16	02965448	4	ADP, HYD 4MJ -4MJ BULKHEAD
17	02919600	4	CAP, HYD 4FJ
18	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
19	63149100	3	ADP, HYD ELBOW 6MB-6MJ 90
20	00002700	3	FLATWASHER, 1/2 PL STD
21	02975436	1	HHCS 1/2 NC X 2 1/4 PL8
22	00001800	1	LOCKNUT TLM 1/2 NC PLB
23	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
24	02970595	1	HHCS 3/8 NC 2-3/4 PL8
25	00015800	4	LOCKNUT TLM 3/8 NC PLC
26	02976531	2	ADP HYD ELBOW 6MJ-6FJX 45
27	000941	1	GREASE ZERK 1/4-28 90 BOLT THD
28	00752670	9	GREASE FITTING 1/4-28 BOLT THD
29	02968835	1	PLASTIC TIE, ORANGE & WHITE
30	02968831	1	PLASTIC TIE, BLUE & WHITE
31	02968834	1	PLASTIC TIE, ORANGE
32	02968830	1	PLASTIC TIE, BLUE
33	02968829	1	PLASTIC TIE, RED & WHITE
34	02968828	1	PLASTIC TIE, RED
35	02968837	1	PLASTIC TIE, YELLOW & WHITE
36	02968836	1	PLASTIC TIE, YELLOW
37	02968894	4	PLASTIC TIE, RED, 11LG
38	02968896	4	PLASTIC TIE, ORANGE, 11LG
39	02968832	1	PLASTIC TIE, GREEN
40	02968833	1	PLASTIC TIE, GREEN & WHITE

# BOOM ASY - 18 FT BOOM (PART 2)

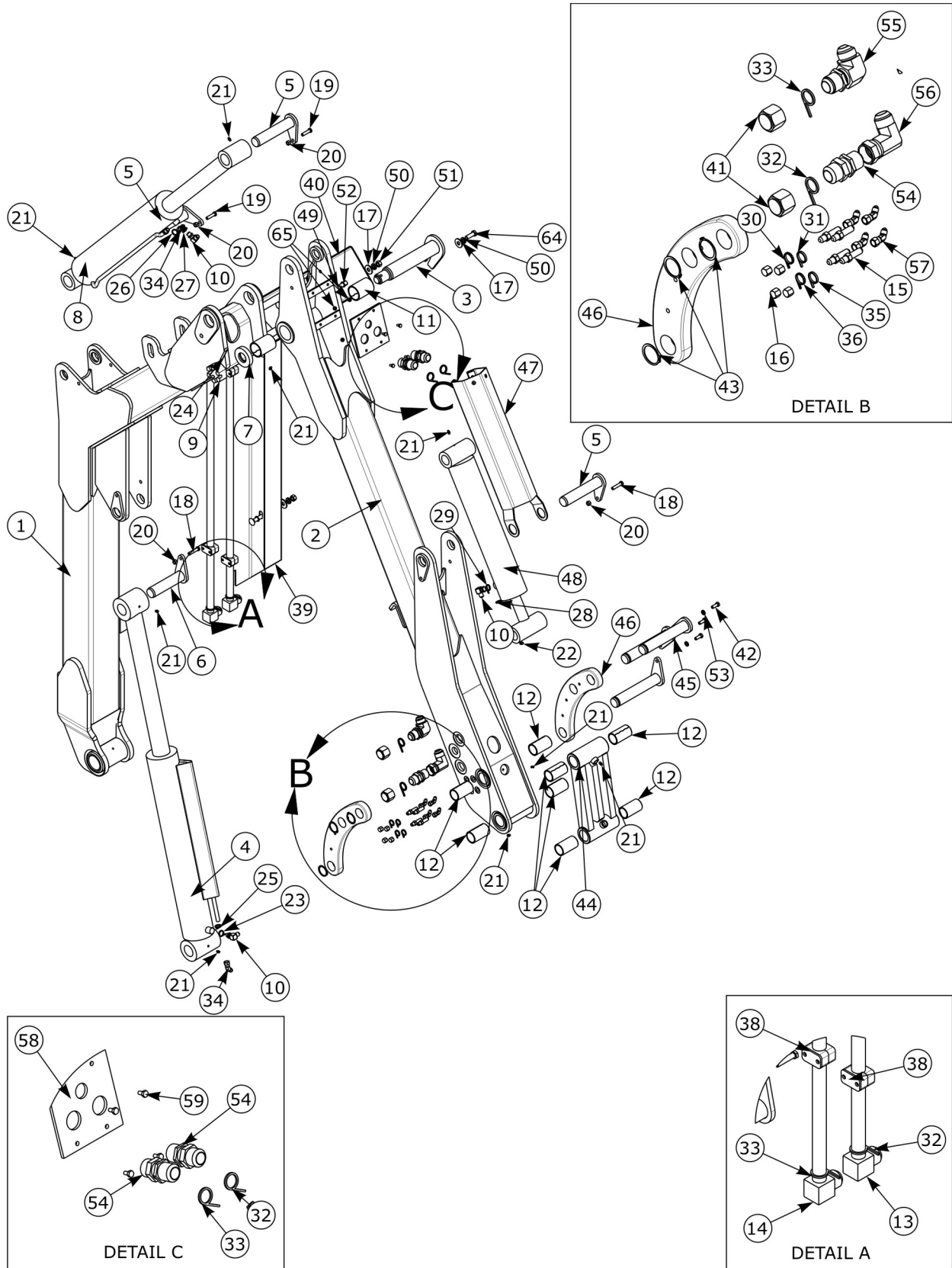


## BOOM ASY - 18 FT BOOM (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02962764	4	DECAL, PINCH POINT
42	02984821	1	COVER, LIFT TUBE COVER
43	02956918	2	CAP, 16 FJ
44	03200375	4	CLAMP, TUBE 1-POSTION
45	02985222	2	PLATE, LINKAGE
46	02986074	1	WELDMENT, LINKAGE
47	02985220	3	WELDMENT, PIN, LINKAGE
48	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
49	00769258	3	RETAINING RING,1.5 SHAFT
50	02982979	2	WELDMENT, CYLINDER PIN, NEW BOOM
51	281324	2	CARB 1/2 - 13 X 3
52	00019600	2	LOCKWASHER, 1/2 HVY, PLATED
53	00001200	2	NUT HEX 1/2 NC
54	63161900	2	SPRING NUT 1/2
55	03101646	3	HIGH ALLOY, L/W 3/8 YZ
56	02985978	1	PLATE, BULKHEAD
57	00002100	4	BOLT, HHCS 1/4" X 1/2" LG
58	00751846	3	ADP HYD STGHT 16MJ - 16MJ BULKHEAD
59	02976532	4	ADP, HYD, 4MJ-4FJX 45
60	02956851	1	ADP HYD ELBOW 16 MJ-16 JX 90
61	02742500	1	ADAPTER 16MJ - 16MJ 90 BULKHEAD

# BOOM ASY - 22 FT BOOM (PART 1)



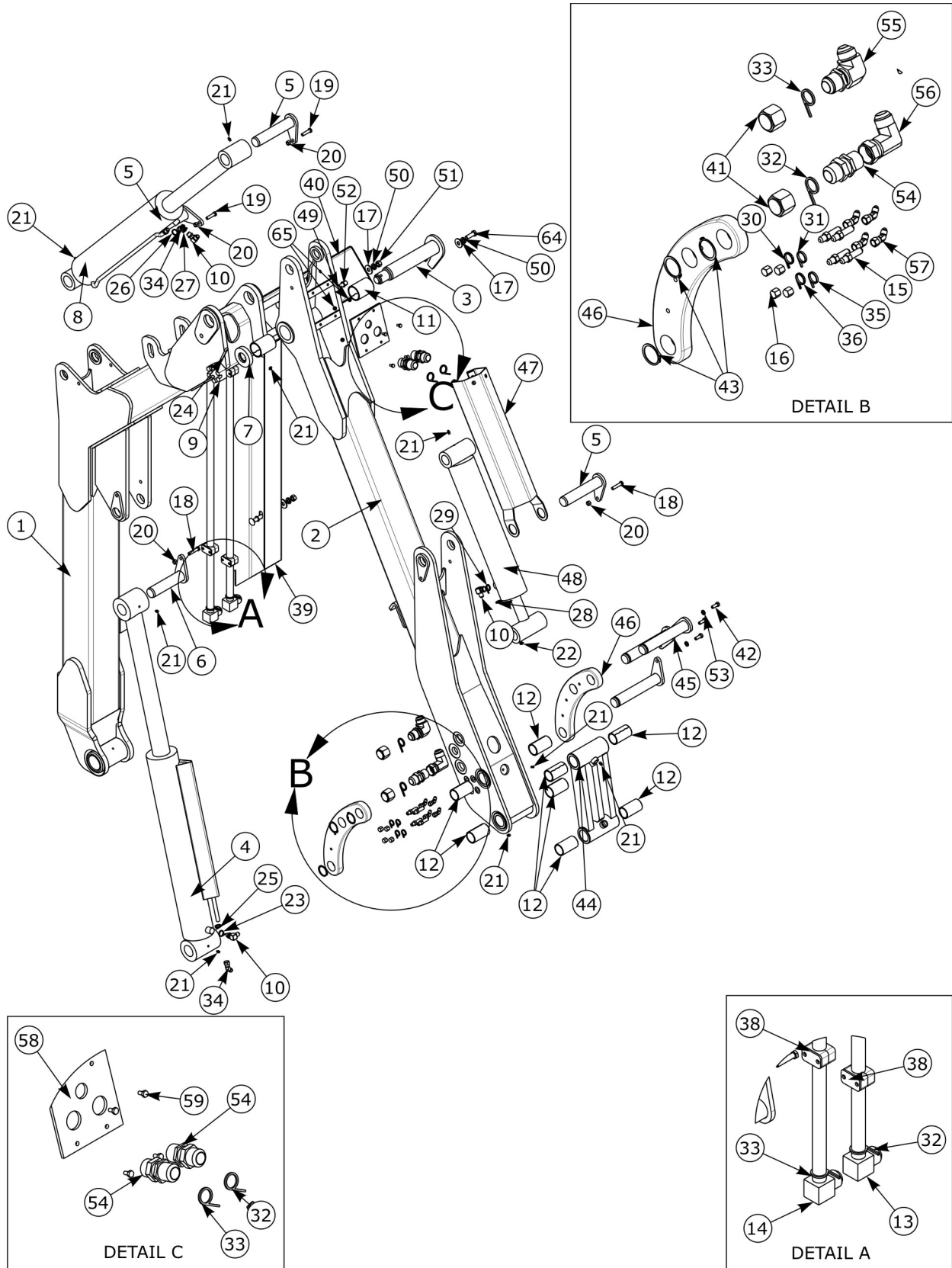


## BOOM ASY - 22 FT BOOM (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986862	1	ASY, 22 AXXTREME 2
1	02984850	1	WELDMENT, 22` LIFT
2	02985124	1	WELDMENT, 22` DIPPER
3	02981294	1	WELDMENT, PIN, LIFT/ DIPPER
4	02981279	1	CYLINDER, 4.0B X 2.25R X 24.63S
5	02982979	3	WELDMENT, CYLINDER PIN, NEW BOOM
6	02982980	1	WELDMENT, CYLINDER PIN SHORT, NEW BOOM
7	02981273	1	SPACER, PIN, DIPPER, MAVERICK
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-6MJ 90
11	02981420	2	CONNEX BUSHING, 2 1/4 X 2 X 3
12	02981424	8	CONNEX BUSHING, 1 3/4 X 1 1/2 X 3
13	02984853	1	HYDRAULIC TUBE, #16
14	02984855	1	HYDRAULIC TUBE, #16
15	02965448	4	ADP, HYD 4MJ -4MJ BULKHEAD
16	02919600	4	CAP, HYD 4FJ
17	00002700	5	FLATWASHER, 1/2 PL STD
18	02957042	2	HHCS 3/8NC 1-3/4 PL GR8
19	00023100	2	HHCS 3/8 X 1-1/2 NC PL GR5
20	00015800	4	LOCKNUT TLM 3/8 NC PLC
21	00752670	10	GREASE FITTING 1/4-28 BOLT THD
22	000941	1	GREASE ZERK 1/4-28 90 BOLT THD
23	02968835	1	PLASTIC TIE, ORANGE & WHITE
24	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
25	02968834	1	PLASTIC TIE, ORANGE
26	02968831	1	PLASTIC TIE, BLUE & WHITE
27	02968830	1	PLASTIC TIE, BLUE
28	02968829	1	PLASTIC TIE, RED & WHITE
29	02968828	1	PLASTIC TIE, RED
30	02968837	1	PLASTIC TIE, YELLOW & WHITE
31	02968836	1	PLASTIC TIE, YELLOW
32	02968894	4	PLASTIC TIE, RED, 11LG
33	02968896	4	PLASTIC TIE, ORANGE, 11LG
34	02976531	2	ADP HYD ELBOW 6MJ-6FJX 45
35	02968832	1	PLASTIC TIE, GREEN
36	02968833	1	PLASTIC TIE, GREEN & WHITE
38	03200375	8	CLAMP, TUBE 1-POSTION
39	02984856	1	COVER, LIFT TUBE COVER
40	02984857	1	COVER, LIFT TUBE COVER
41	02956918	2	CAP, 16 FJ

# BOOM ASY - 22 FT BOOM (PART 2)

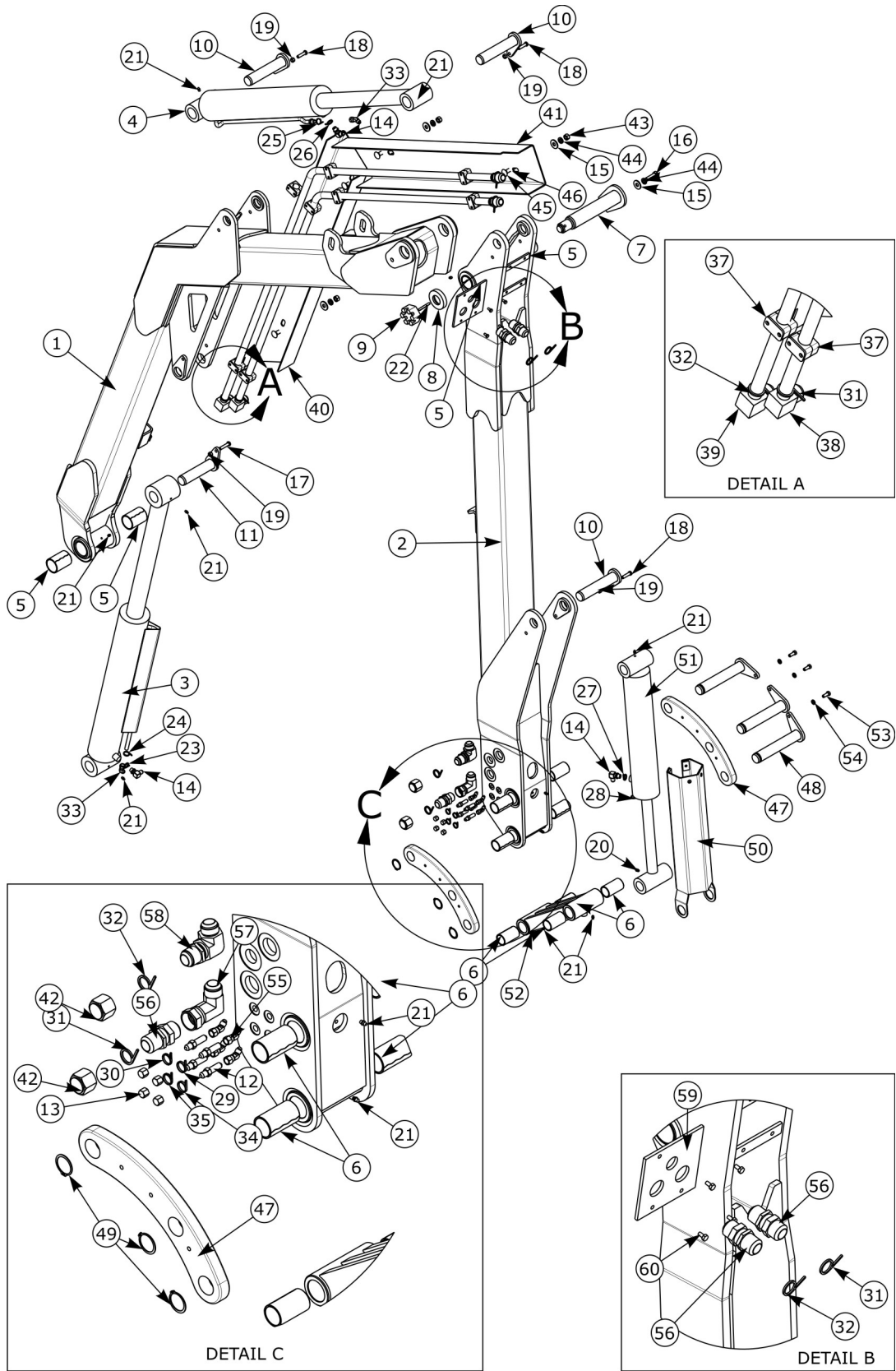


## BOOM ASY - 22 FT BOOM (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
42	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
43	00769258	3	RETAINING RING,1.5 SHAFT
44	02986074	1	WELDMENT, LINKAGE
45	02985220	3	WELDMENT, PIN, LINKAGE
46	02985222	2	PLATE, LINKAGE
47	02985273	1	ASSEMBLY, TILT CYLINDER COVER
48	02984944	1	CYLINDER, 3.5B X 1.5R X 16.0S
49	281324	4	CARB 1/2 - 13 X 3
50	00019600	5	LOCKWASHER, 1/2 HVY, PLATED
51	00001200	4	NUT HEX 1/2 NC
52	63161900	4	SPRING NUT 1/2
53	03101646	3	HIGH ALLOY, L/W 3/8 YZ
54	00751846	3	ADP HYD STGHT 16MJ - 16MJ BULKHEAD
55	02742500	1	ADAPTER 16MJ - 16MJ 90 BULKHEAD
56	02956851	1	ADP HYD ELBOW 16 MJ-16 JX 90
57	02976532	4	ADP, HYD, 4MJ-4FJX 45
58	02985978	1	PLATE, BULKHEAD
59	00002100	4	BOLT, HHCS 1/4" X 1/2" LG
64	02892000	1	HHCS 1/2NC 1-1/2 LG PL8
65	02959924	4	NUT, TOPLOCK 1/4 NC PLB

# BOOM ASY - 25 FT BOOM (PART 1)

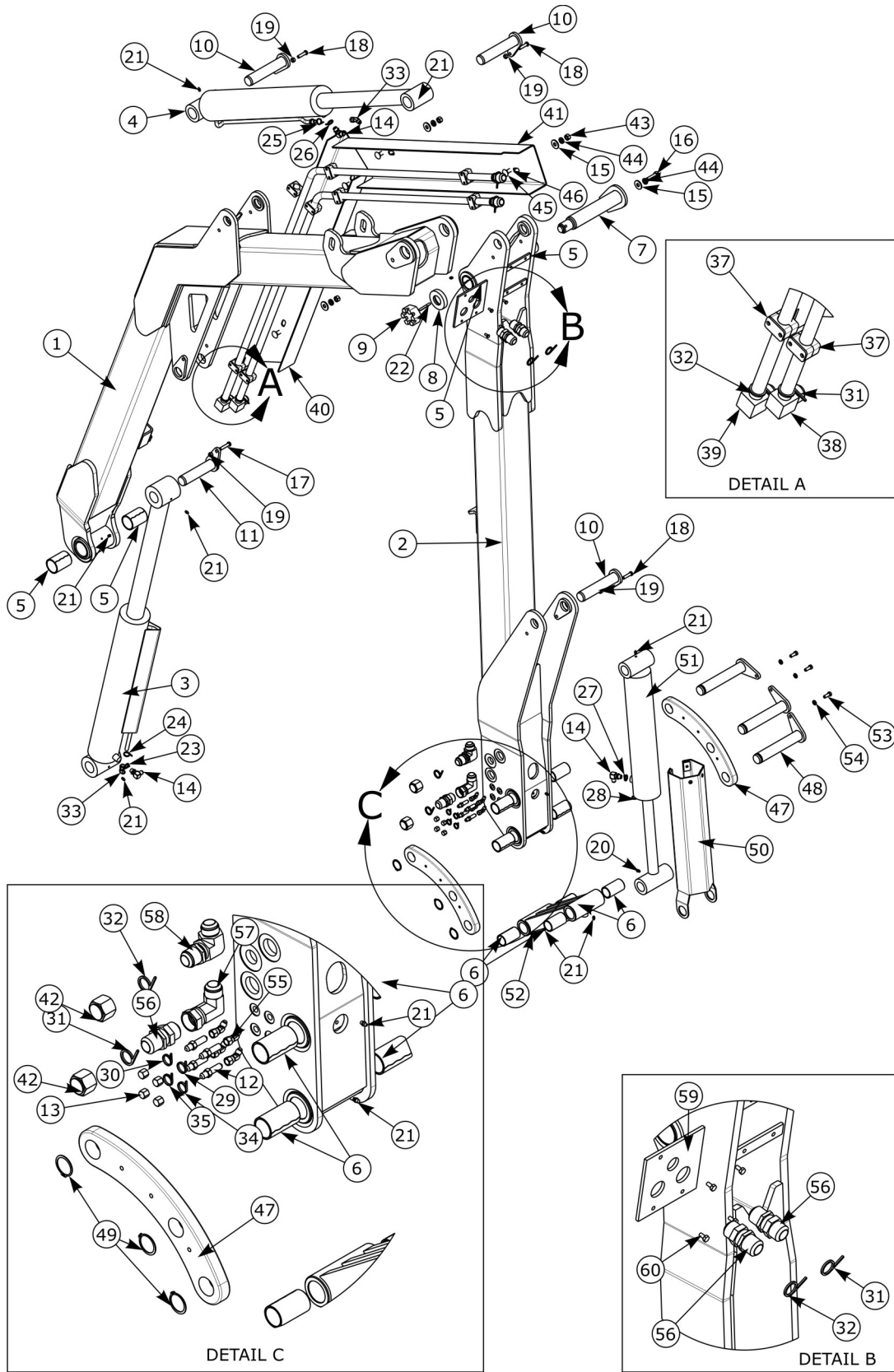


## BOOM ASY - 25 FT BOOM (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986402	1	ASSEMBLY, 25 AXTREME 2
1	02984889	1	WELDMENT, 25' LIFT
2	02988405	1	WLDMT, 25' DIPPER
3	02981279	1	CYLINDER, 4.0B X 2.25R X 24.63S
4	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
5	02981420	4	CONNEX BUSHING, 2 1/4 X 2 X 3
6	02981424	8	CONNEX BUSHING, 1 3/4 X 1 1/2 X 3
7	02981294	1	WELDMENT, PIN, LIFT/ DIPPER
8	02981273	1	SPACER, PIN, DIPPER
9	02981702	1	SLOTTED NUT, 1-1/2 NF
10	02982979	3	WELDMENT, CYLINDER PIN, NEW BOOM
11	02982980	1	WELDMENT, CYLINDER PIN SHORT, NEW BOOM
12	02965448	4	ADP, HYD 4MJ -4MJ BULKHEAD
13	02919600	4	CAP, HYD 4FJ
14	63149100	3	ADP, HYD ELBOW 6MB-6MJ 90
15	00002700	5	FLATWASHER, 1/2 PL STD
16	02891800	1	HHCS 1/2 NC 1-3/4 PL8
17	02957042	1	HHCS 3/8NC 1-3/4 PL GR8
18	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
19	00015800	4	LOCKNUT TLM 3/8 NC PLC
20	000941	1	GREASE ZERK 1/4-28 90 BOLT THD
21	00752670	11	GREASE FITTING 1/4-28 BOLT THD
22	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
23	02968835	1	PLASTIC TIE, ORANGE & WHITE
24	02968834	1	PLASTIC TIE, ORANGE
25	02968831	1	PLASTIC TIE, BLUE & WHITE
26	02968830	1	PLASTIC TIE, BLUE
27	02968828	1	PLASTIC TIE, RED
28	02968829	1	PLASTIC TIE, RED & WHITE
29	02968836	1	PLASTIC TIE, YELLOW
30	02968837	1	PLASTIC TIE, YELLOW & WHITE
31	02968894	4	PLASTIC TIE, RED, 11LG
32	02968896	4	PLASTIC TIE, ORANGE, 11LG
33	02976531	2	ADP HYD ELBOW 6MJ-6FJX 45
34	02968832	1	PLASTIC TIE, GREEN
35	02968833	1	PLASTIC TIE, GREEN & WHITE
37	03200375	8	CLAMP, TUBE 1-POSTION
38	02984890	1	HYDRAULIC TUBE, #16
39	02984892	1	HYDRAULIC TUBE, #16
40	02984893	1	COVER, LIFT TUBE COVER
41	02984894	1	COVER, LIFT TUBE COVER

# BOOM ASY - 25 FT BOOM (PART 2)

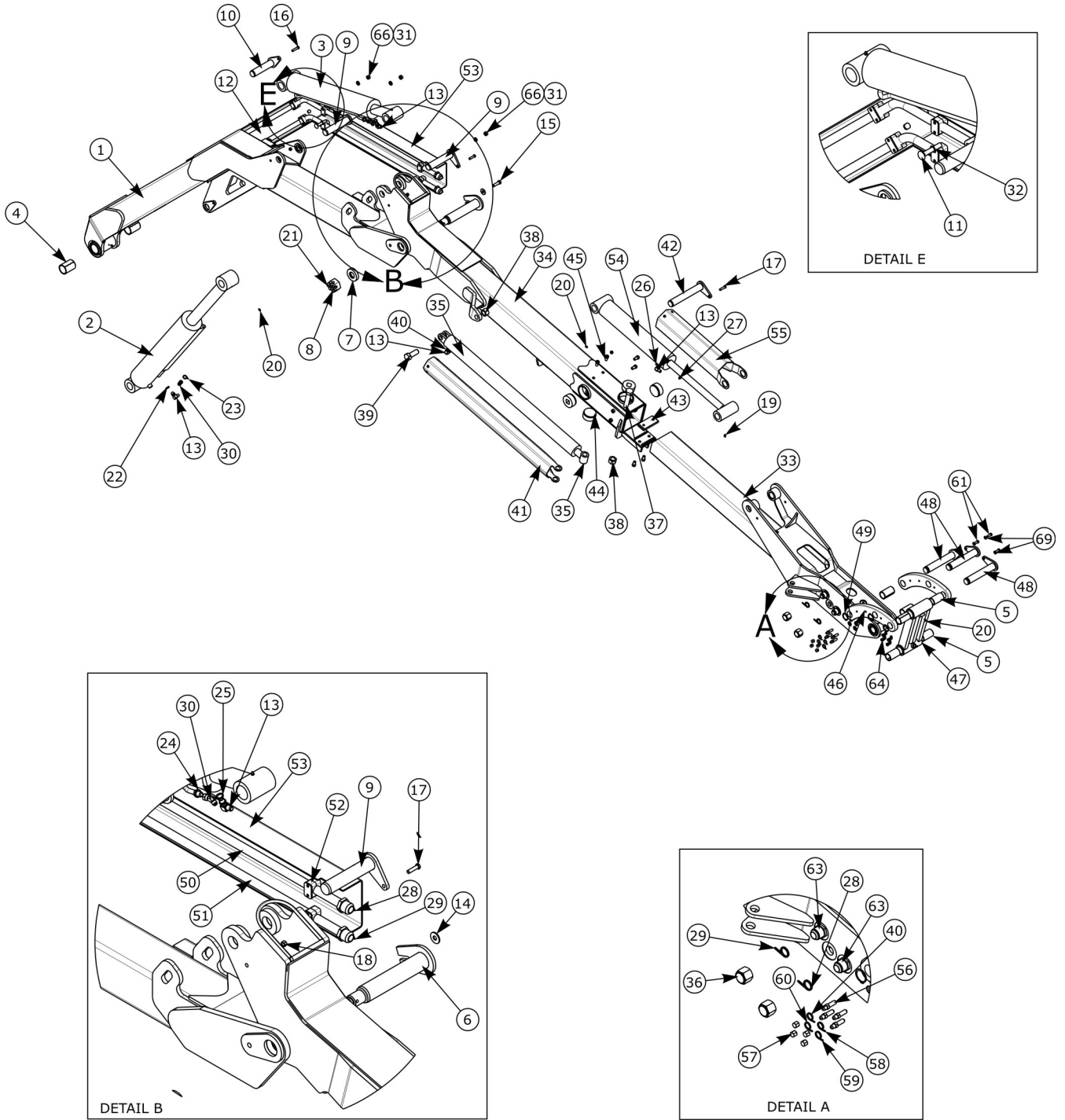


## BOOM ASY - 25 FT BOOM (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
42	02956918	2	CAP, 16 FJ
43	00001200	4	NUT HEX 1/2 NC
44	00019600	5	LOCKWASHER, 1/2 HVY, PLATED
45	281324	4	CARB 1/2 - 13 X 3
46	63161900	4	SPRING NUT 1/2
47	02985222	2	PLATE, LINKAGE
48	02985220	3	WELDMENT, PIN, LINKAGE
49	00769258	3	RETAINING RING, 1.5 SHAFT
50	02985273	1	ASSEMBLY, TILT CYLINDER COVER
51	02984944	1	CYLINDER, 3.5B X 1.5R X 16.0S
52	02986074	1	WELDMENT, LINKAGE
53	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
54	03101646	3	HIGH ALLOY, L/W 3/8 YZ
55	02976532	4	ADP, HYD, 4MJ-4FJX 45
56	00751846	3	ADP HYD STGHT 16MJ - 16MJ BULKHEAD
57	02956851	1	ADP HYD ELBOW 16 MJ-16 JX 90
58	02742500	1	ADAPTER 16MJ - 16MJ 90 BULKHEAD
59	02985978	1	PLATE, BULKHEAD
60	00002100	4	BOLT, HHCS 1/4" X 1/2" LG

# BOOM ASY - 28FT TELESCOPING BOOM (PART 1)



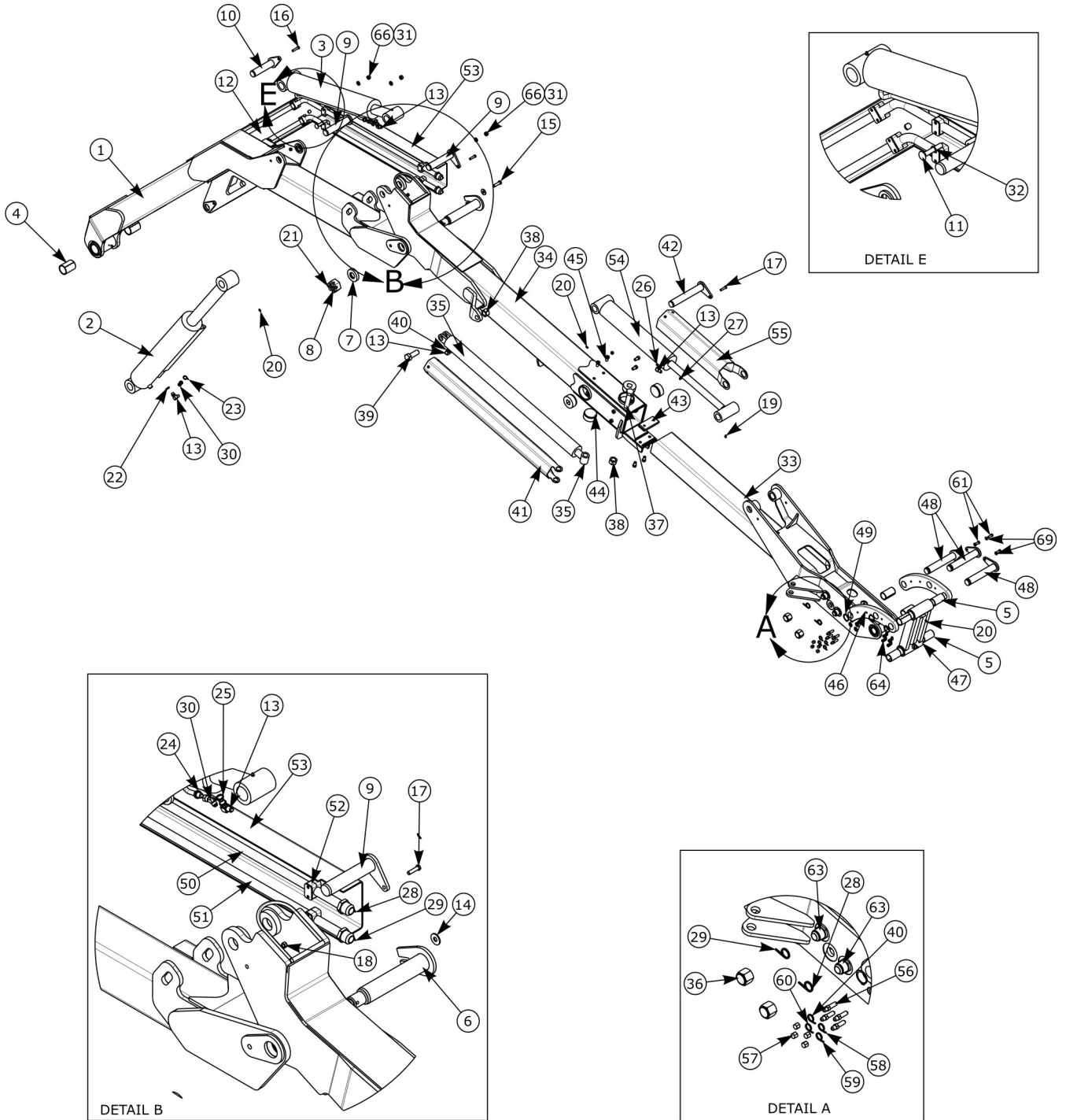


## BOOM ASY - 28FT TELESCOPING BOOM (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02984841	1	ASSEMBLY, AXTREME 28T BOOM
1	02984889	1	WELDMENT, 25' LIFT
2	02981278	1	CYLINDER, 4.5B X 2.5R X 24.63S
3	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
4	02981420	4	CONNEX BUSHING, 2 1/4 X 2 X 3
5	02981424	8	CONNEX BUSHING, 1 3/4 X 1 1/2 X 3
6	02981294	1	WELDMENT, PIN, LIFT/ DIPPER
7	02981273	1	SPACER, PIN, DIPPER
8	02981702	1	SLOTTED NUT, 1-1/2 NF
9	02982979	2	WELDMENT, CYLINDER PIN, NEW BOOM
10	02982980	1	WELDMENT, CYLINDER PIN SHORT, NEW BOOM
11	281324	4	CARB 1/2 - 13 X 3
12	02984893	1	COVER, LIFT TUBE COVER
13	63149100	4	ADP, HYD ELBOW 6MB-6MJ 90
14	00002700	5	FLATWASHER, 1/2 PL STD
15	02891800	1	HHCS 1/2 NC 1-3/4 PL8
16	02957042	1	HHCS 3/8NC 1-3/4 PL GR8
17	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
18	00015800	4	LOCKNUT TLM 3/8 NC PLC
19	000941	1	GREASE ZERK 1/4-28 90 BOLT THD
20	00752670	11	GREASE FITTING 1/4-28 BOLT THD
21	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
22	02968835	1	PLASTIC TIE, ORANGE & WHITE
23	02968834	1	PLASTIC TIE, ORANGE
24	02968831	1	PLASTIC TIE, BLUE & WHITE
25	02968830	1	PLASTIC TIE, BLUE
26	02968828	1	PLASTIC TIE, RED
27	02968829	1	PLASTIC TIE, RED & WHITE
28	02968894	3	PLASTIC TIE, RED, 11LG
29	02968896	3	PLASTIC TIE, ORANGE, 11LG
30	02976531	2	ADP HYD ELBOW 6MJ-6FJX 45
31	00019600	4	LOCKWASHER, 1/2 HVY, PLATED
32	63161900	4	SPRING NUT 1/2
33	02985388	1	WELDMENT, TELESCOPING, AXTREME 28
34	02984842	1	WLDMT, 28' A-BOOM DIPPER
35	02981276	1	CYLINDER, 2.5B X 1.5R X 36.0S
36	02956918	2	CAP, 16 FJ
37	02980513	1	HHCS 1 NC 4 1/2 PL8
38	02030300	2	NUT TOPLOCK 1 NC PL8
39	00754108	1	HHCS 1 NC 2 3/4 PL8
40	02968837	2	PLASTIC TIE, YELLOW & WHITE

# BOOM ASY - 28FT TELESCOPING BOOM (PART 2)

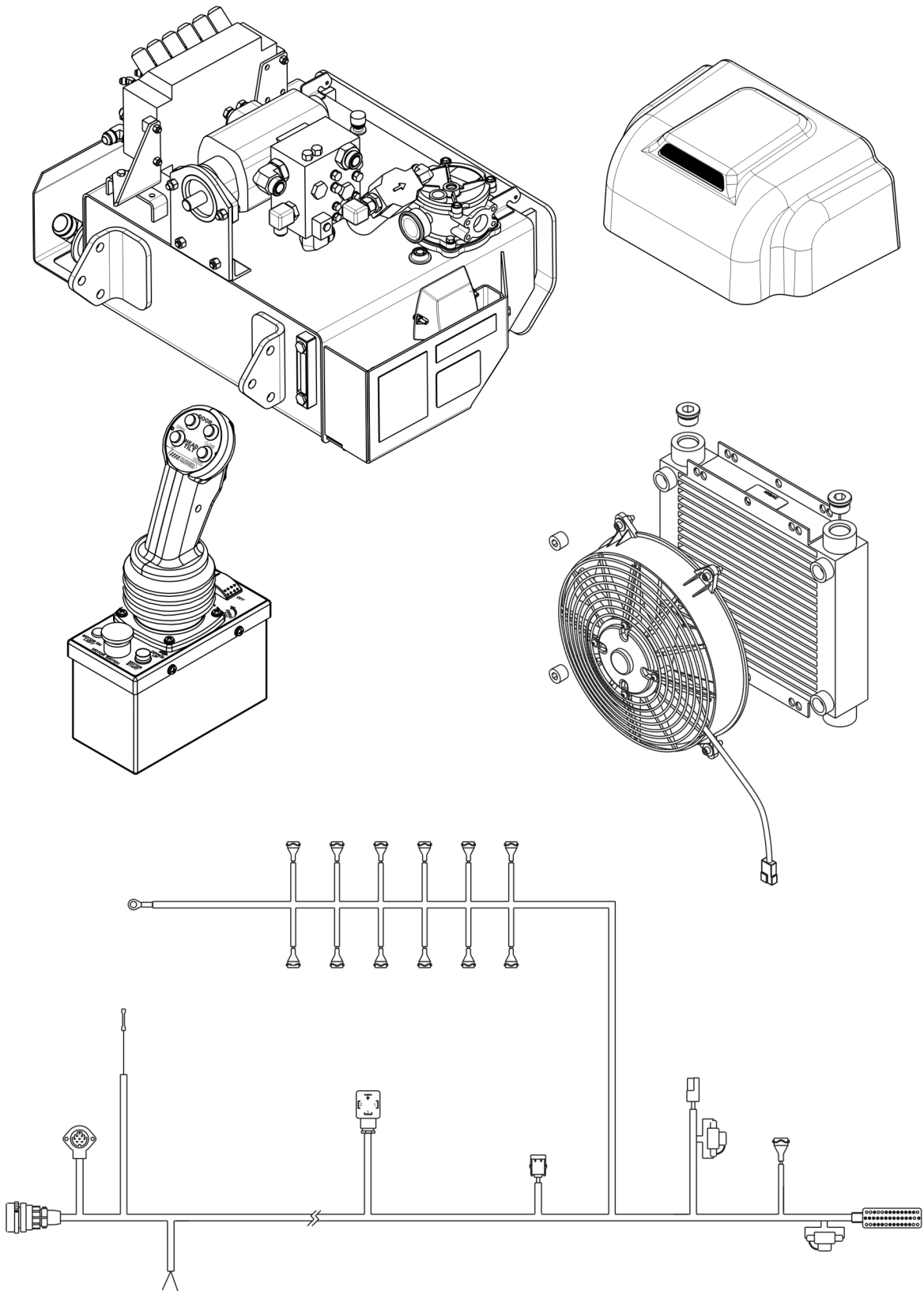


## BOOM ASY - 28FT TELESCOPING BOOM (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02981700	1	ASSEMBLY, EXTENSION CYLINDER GUARD, MAVERICK
42	02981425	1	WELDMENT, PIN, TILT CYINDER
43	02982455	4	SLIDE BLOCK, DIPPER
44	02981740	4	SLIDE PUCK, DIPPER
45	02982454	8	SHCS 1/2 NC X 7/8
46	02985222	2	PLATE, LINKAGE
47	02986074	1	WELDMENT, LINKAGE
48	02985220	3	WELDMENT, PIN, LINKAGE
49	00769258	3	RETAINING RING,1.5 SHAFT
50	02984892	1	HYDRAULIC TUBE, #16
51	02984890	1	HYDRAULIC TUBE, #16
52	03200375	8	CLAMP, TUBE 1-POSTION
53	02984894	1	COVER, LIFT TUBE COVER
54	02984944	1	CYLINDER, 3.5B X 1.5R X 16.0S
55	02985273	1	ASSEMBLY, TILT CYLINDER COVER
56	02965448	4	ADP, HYD 4MJ -4MJ BULKHEAD
57	02919600	4	CAP, HYD 4FJ
58	02968836	1	PLASTIC TIE, YELLOW
59	02968832	1	PLASTIC TIE, GREEN
60	02968833	1	PLASTIC TIE, GREEN & WHITE
61	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
63	02742500	2	ADAPTER 16MJ - 16MJ 90 BULKHEAD
64	02976532	4	ADP, HYD, 4MJ-4FJX 45
66	00001200	4	NUT HEX 1/2 NC
69	03101646	3	HIGH ALLOY, L/W 3/8 YZ

# COMMON CRATE COMPONENTS - ELECT VALVE

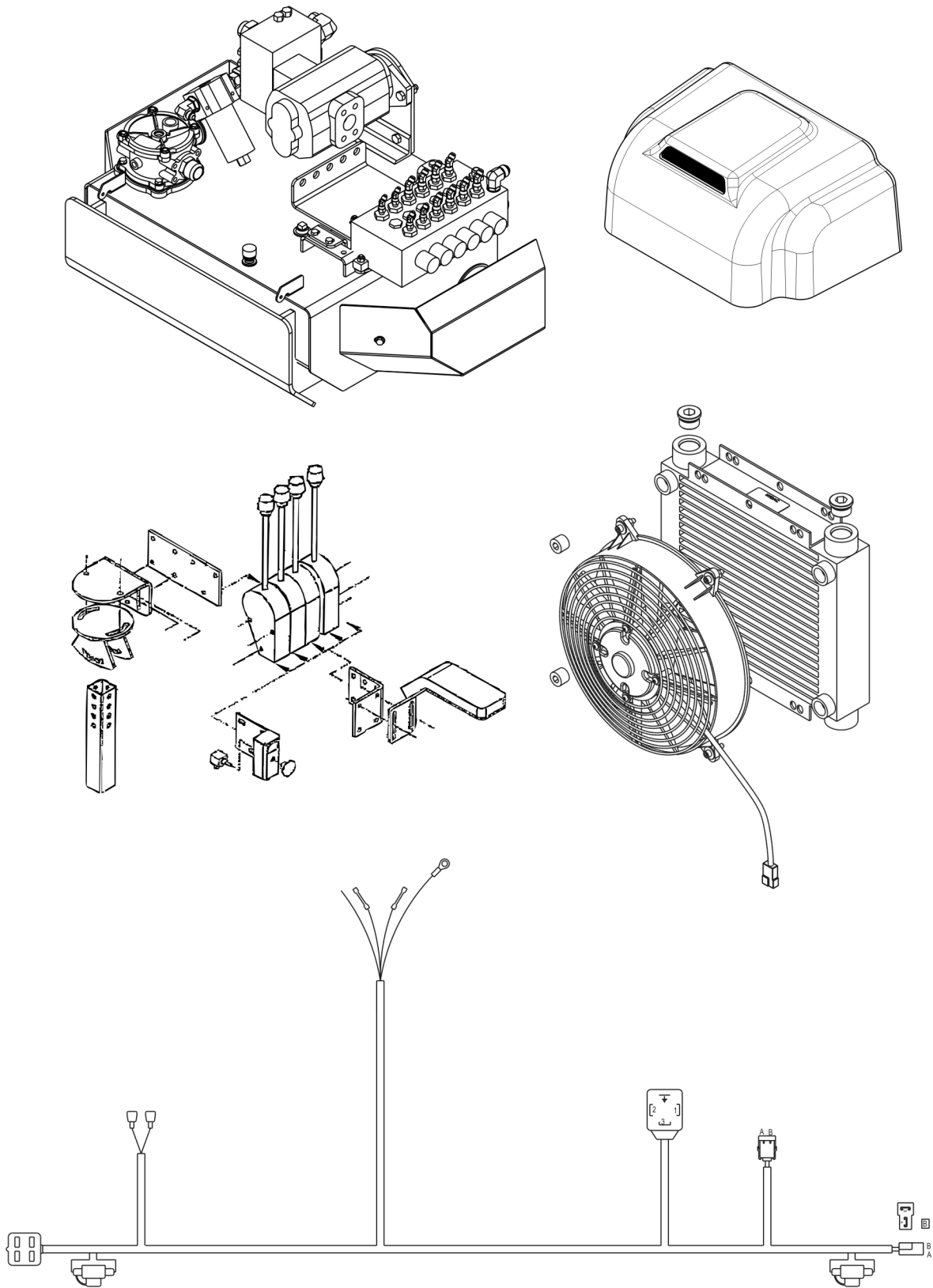


## COMMON CRATE COMPONENTS - ELECT VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
-	02986525	1	MT KIT, JD7130 MID SP FL MV24
1	02981381	1	ASY, PUMP COVER
2	02981441	2	KNOB 3/8NC X 1-1/2 STUD
3	02981377	1	COOLER, OIL/AIR W/FAN
4	02981383	1	MOUNT, COOLER, RH
5	02981384	1	MOUNT, COOLER, LH
6	02981953	4	HANGER, FORMED, HOSE
7	D377	1	BOOKLET, DECAL BOOM MOWER
8	02981822	1	WELDMENT,HOSE BRACKET, UM
9	02983212	1	HOSE #12-12FJX-12FJX90-30LG
10	02983355	1	BOLT BAG, AXTREME, COMMON
11	00776031	1	CANISTER, PARTS MANUAL
12	02988075A	1	ASY, MANUALS, AXTREME GEN2
13	02988075CA	1	ASY, CANISTER, AXTREME GEN2
14	02960409	2	ADP TUBE ELBOW 20MJ-20FJX 90°
15	00749508	2	PLUG 1/2-14 NPT
16	02966874	1	BOOT,CABLE
17	02090800	2	ADP HYD ELBOW 12MB-12MJ90
18	02983489	1	DECAL, JOYSTICK CONTROL, AXTR
19	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
20	02984077	1	WLDMT. HOSE GUIDE
21	00749101	1	SPLIT FLANGE KIT 1-1/2
22	02984405	1	MANUAL, AXTREME ASSEMBLY
23	02986578	1	ASY, TANK & ELEC VALVE AX2
24	02986130	1	CABLE, MANUAL CANISTER, 24" LG
25	02986111	1	CABLE, PUMP COVER 36" LG
26	02965093	1	DECAL-PROPER ENGINE OPERATING
27	02984735	1	ASY, HARNESS, MACHETE
28	02987829	1	ASY JSTK CONSOLE, SAMURAI
29	02987816	1	WIRE HARNESS, SWIVEL, JS, SAM

# COMMON CRATE COMPONENTS - MAN VALVE (PART 1)



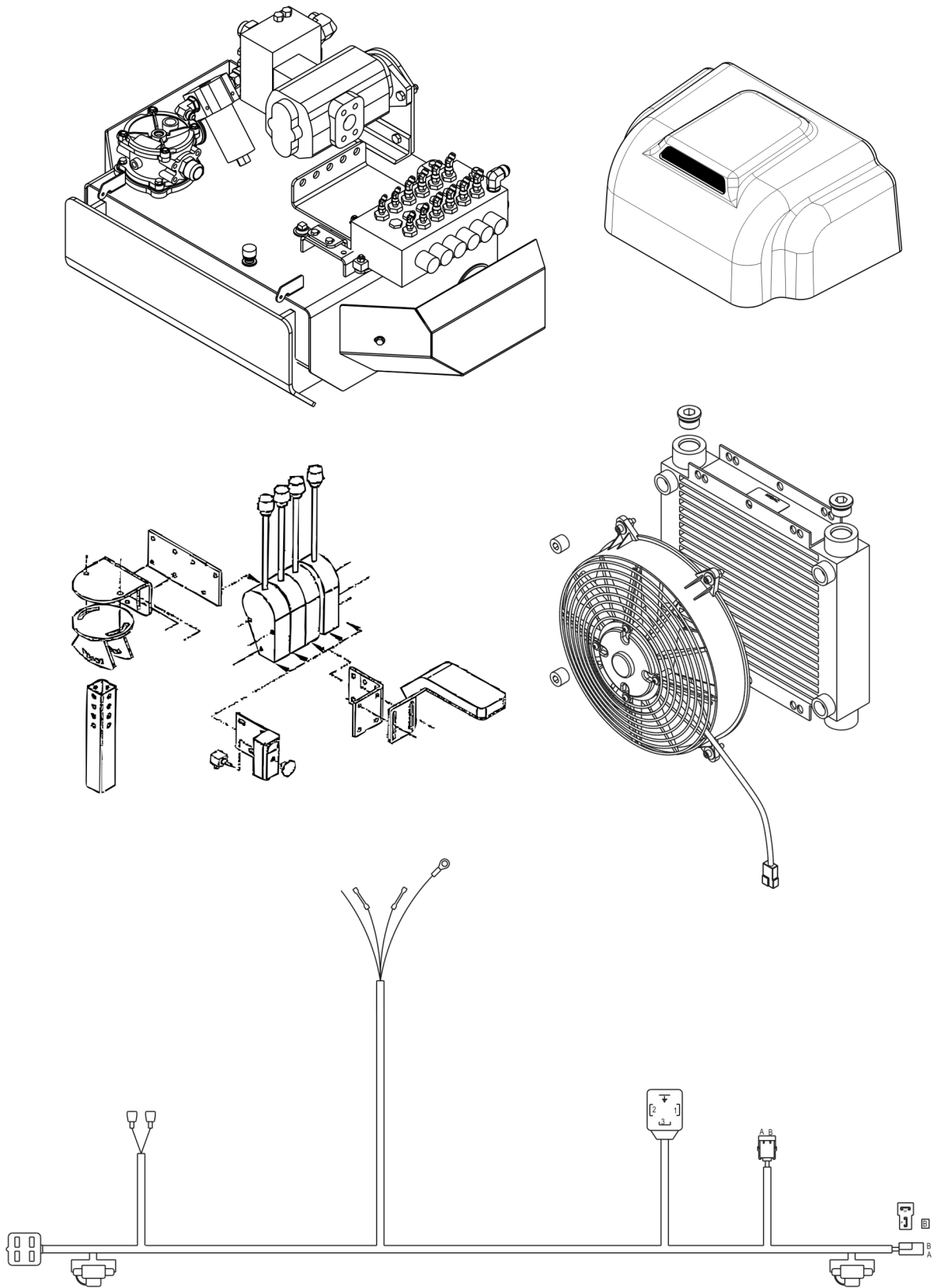
## COMMON CRATE COMPONENTS - MAN VALVE (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986576	1	COMMON BOX,MAN VALVE,AXTREME2
1	02982922	1	WIRE HARNESS, MANUAL, AXTREME
2	02981381	1	ASY, PUMP COVER
3	02981441	2	KNOB 3/8NC X 1-1/2 STUD
4	02981377	1	COOLER, OIL/AIR W/FAN
5	02981383	1	MOUNT, COOLER, RH
6	02981384	1	MOUNT, COOLER, LH
7	02981953	4	HANGER, FORMED, HOSE
8	D377	1	BOOKLET, DECAL BOOM MOWER
9	02981822	1	WELDMENT,HOSE BRACKET, UM
10	02983084	5	CLEVIS, MANUAL VALVE, AXTREME
11	02983212	1	HOSE #12-12FJX-12FJX90-30LG
12	02983355	1	BOLT BAG, AXTREME, COMMON
13	00776031	1	CANISTER, PARTS MANUAL
14	02988075A	1	ASY, MANUALS, AXTREME GEN2
15	02988075CA	1	ASY, CANISTER, AXTREME GEN2
16	02971191	1	WELDMENT,SWITCH MOUNT
17	02964028	1	SWITCH PUSH-PULL SPDT 10A@12V
18	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
19	02960409	2	ADP TUBE ELBOW 20MJ-20FJX 90°
20	00023500	6	FLATWASHER 5/16 PL
21	02971272	3	HHCS 5/16NC 9-1/2 PL5
22	00750940	3	LOCKNUT TLM 5/16 NC PLB
23	02983408	1	DECAL, LEVER CONTROL, AXTREME
24	00749508	2	PLUG 1/2-14 NPT
25	10119000	5	HEXB 5/16 X 1 NC GR5
26	00750940	5	LOCKNUT TLM 5/16 NC PLB
27	02981810	5	LEVER SHORT SNGL AXIS CONTROL
28	02966874	1	BOOT,CABLE
29	000035	5	NUT HEX 1/4 NF
30	02964341	1	ADP HYD STGHT 12MB-12MJ
31	02090800	2	ADP HYD ELBOW 12MB-12MJ90
32	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
33	02984077	1	WLDMT. HOSE GUIDE
34	00749101	1	SPLIT FLANGE KIT 1-1/2
35	02984405	1	MANUAL, AXTREME ASSEMBLY
36	02986577	1	ASY, TANK & MAN VALVE AX2
37	02986130	1	CABLE, MANUAL CANISTER, 24" LG
38	02986111	1	CABLE, PUMP COVER 36" LG
39	02965093	1	DECAL-PROPER ENGINE OPERATING
40	02991236	1	HOSE #12-12FJX-12FJX90-36LG

Axtreme2 Boom (09-09) Rev 02-12

# COMMON CRATE COMPONENTS - MAN VALVE (PART 2)



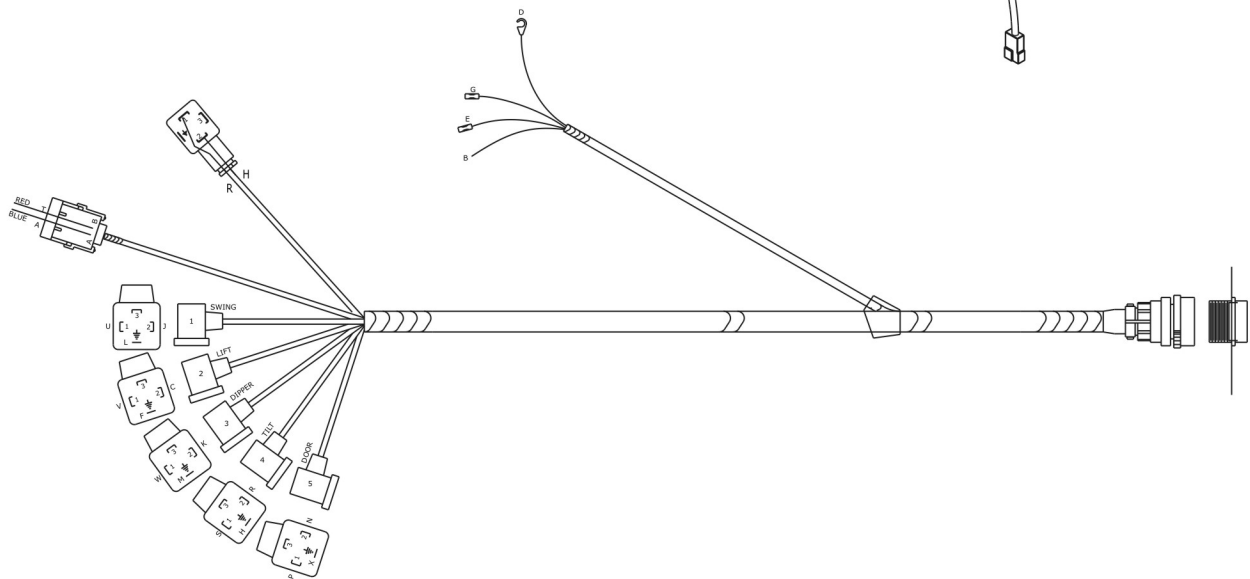
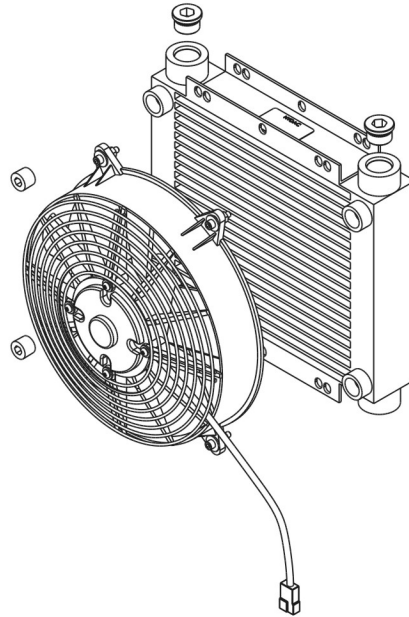
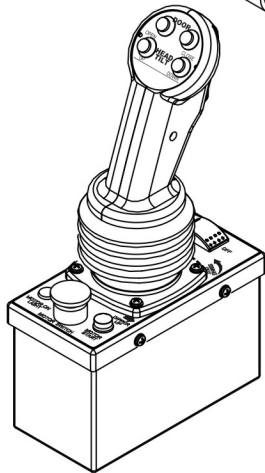
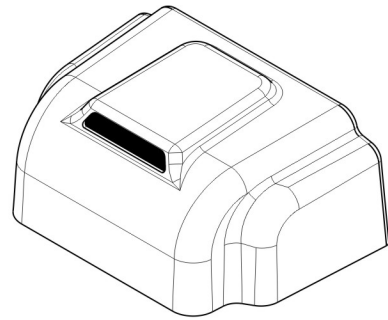
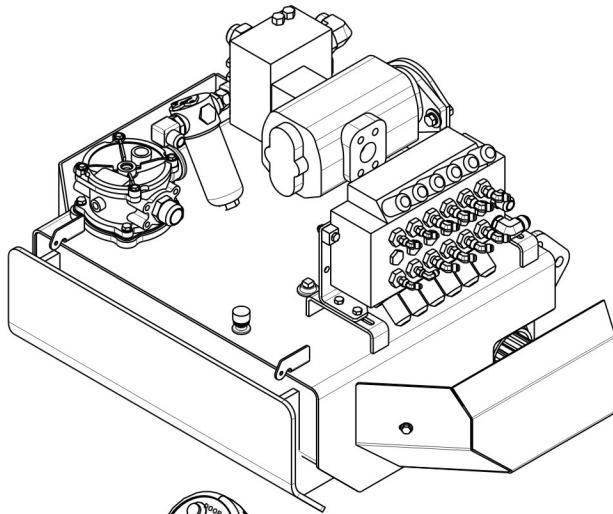


## COMMON CRATE COMPONENTS - MAN VALVE (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02988245	2	DECAL, GENUINE OEM PARTS,WHITE
42	02988246	1	DECAL, GENUINE OEM PARTS,CLEAR
43	D726	1	DECAL, FITTING, GREASE

# COMMON CRATE COMPONENTS 28FT TELESCOPING - ELECT VALVE

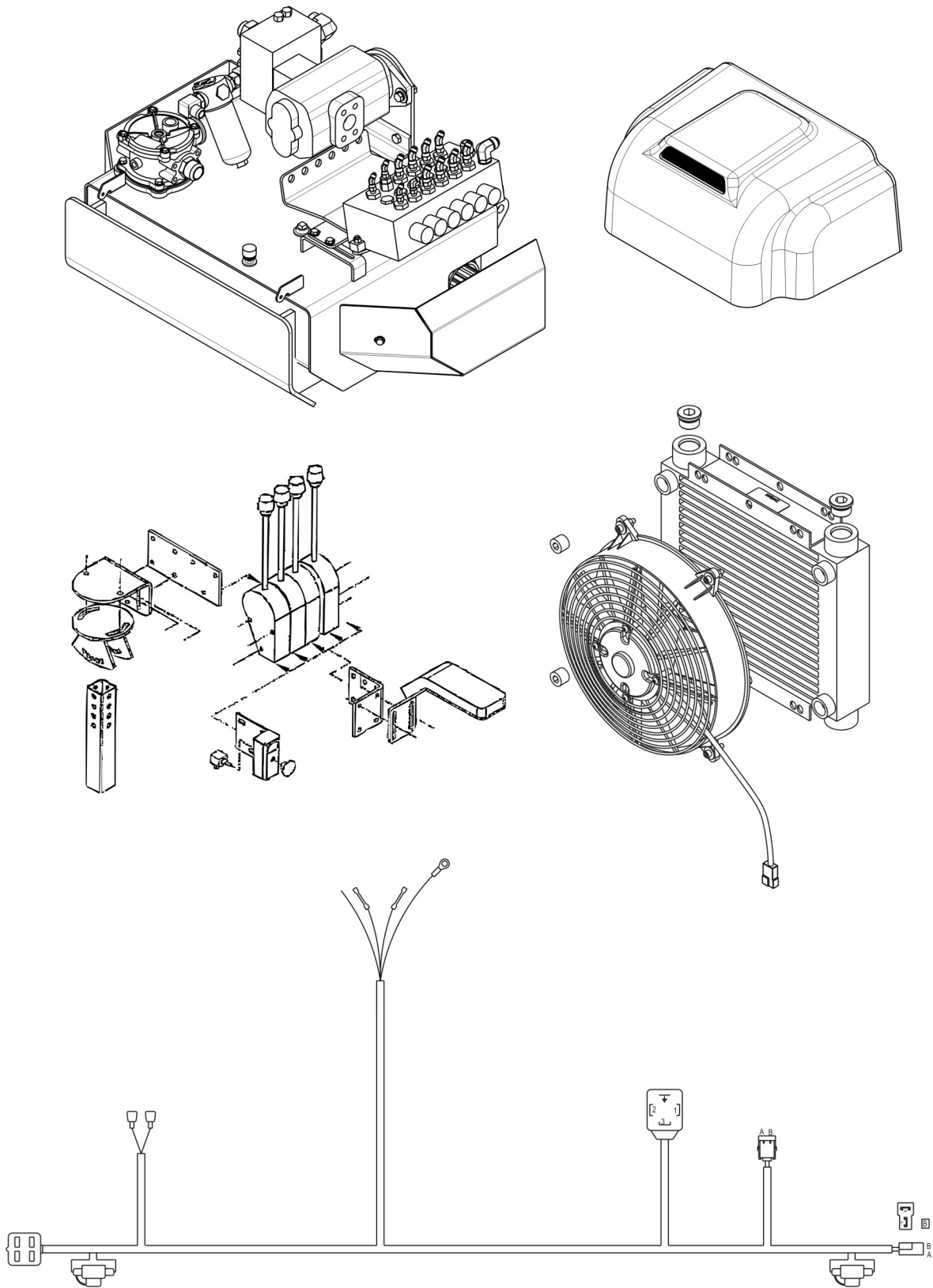


**COMMON CRATE COMPONENTS 28FT TELESCOPING - ELECT VALVE**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02981822	1	WELDMENT,HOSE BRACKET, UM
	02985827	1	JOYSTICK, AXTREME
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983355	1	BOLT BAG, AXTREME, COMMON
	00776031	1	CANISTER, PARTS MANUAL
	02983328A	1	ASSEMBLY AXTREME OPERATORS &
	02983328CA	1	ASSEMBLY AXTREME CANISTER
	02960409	2	ADP TUBE ELBOW 20MJ-20FJX 90?
	00749508	2	PLUG 1/2-14 NPT
	02986053	1	ASY, TANK, ELECVALVE, AXT28
	02090800	2	ADP HYD ELBOW 12MB-12MJ90
	02983489	1	DECAL, JOYSTICK CONTROL, AXTR
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02985354	1	HARNES, LAYOUT, ELEC, 28' AX
	02981381	1	ASY, PUMP COVER
	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02981377	1	COOLER, OIL/AIR W/FAN
	02981383	1	MOUNT, COOLER, RH
	02981384	1	MOUNT, COOLER, LH
	02981953	4	HANGER, FORMED, HOSE
	D377	1	BOOKLET, DECAL BOOM MOWER
	02984405	1	MANUAL, AXTREME ASSEMBLY
	02984077	1	WLDMT. HOSE GUIDE
	00749101	1	SPLIT FLANGE KIT 1-1/2
	02986130	1	CABLE, MANUAL CANISTER, 24
	02986111	1	CABLE, PUMP COVER 36

# COMMON CRATE COMPONENTS 28FT TELESCOPING - MANUAL VALVE

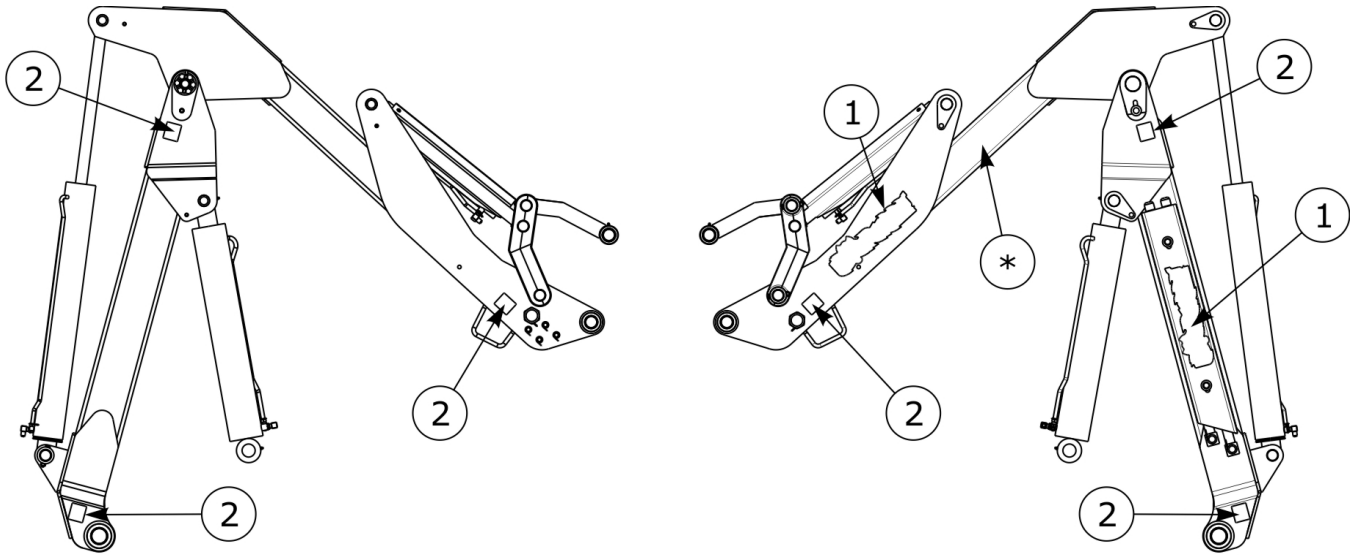


## COMMON CRATE COMPONENTS 28FT TELESCOPING - MANUAL VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02982922	1	WIRE HARENESS, MANUAL, AXTREME
	02981381	1	ASY, PUMP COVER
	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02981377	1	COOLER, OIL/AIR W/FAN
	02981383	1	MOUNT, COOLER, RH
	02981384	1	MOUNT, COOLER, LH
	02981953	4	HANGER, FORMED, HOSE
	D377	1	BOOKLET, DECAL BOOM MOWER
	02981822	1	WELDMENT,HOSE BRACKET, UM
	02983084	6	CLEVIS, MANUAL VALVE, AXTREME
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983355	1	BOLT BAG, AXTREME, COMMON
	00776031	1	CANISTER, PARTS MANUAL
	02983328A	1	ASSEMBLY AXTREME OPERATORS &
	02983328CA	1	ASSEMBLY AXTREME CANISTER
	02964028	1	SWITCH PUSH-PULL SPDT 10A@12V
	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
	00750940	6	LOCKNUT TLM 5/16 NC PLB
	02986054	1	ASY, TANK, MAN VALVE, AXT28
	00749508	2	PLUG 1/2-14 NPT
	10119000	6	HEXB 5/16 X 1 NC GR5
	02966874	1	BOOT,CABLE
	000035	6	NUT HEX 1/4 NF
	02090800	2	ADP HYD ELBOW 12MB-12MJ90
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02984077	1	WLDMT. HOSE GUIDE
	00749101	1	SPLIT FLANGE KIT 1-1/2
	02984405	1	MANUAL, AXTREME ASSEMBLY
	02981810	6	LEVER SHORT SNGL AXIS CONTROL
	02986159	1	DECAL, MANUAL CONTROLS HANDLES
	02986130	1	CABLE, MANUAL CANISTER, 24
	02986111	1	CABLE, PUMP COVER 36
	02959154	1	ADP HYD ELBOW 16MJ -16FJX 45

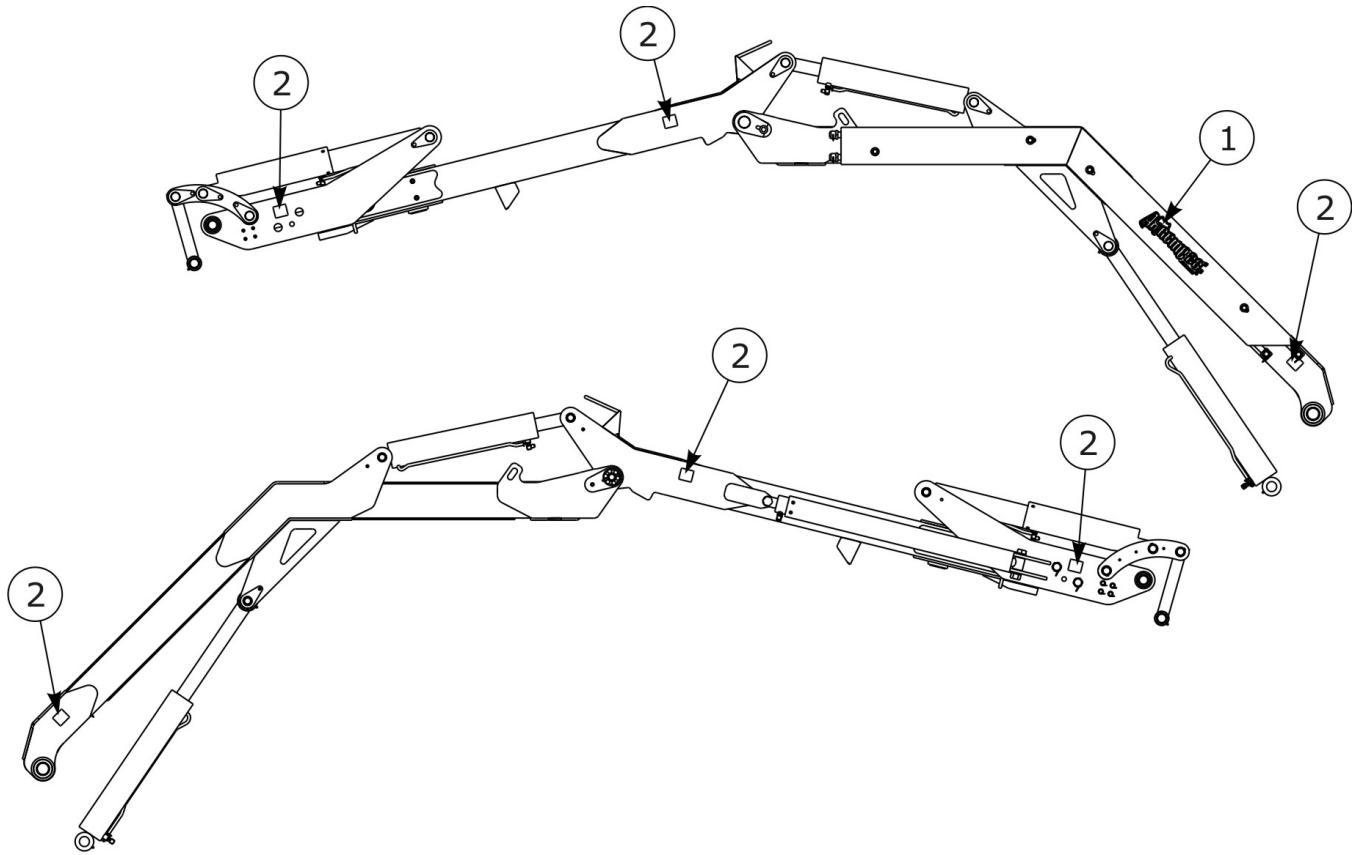
## DECALS - 18-22-25 FT BOOM



\* - 18ft boom shown, 22ft and 25ft boom decals are located here.

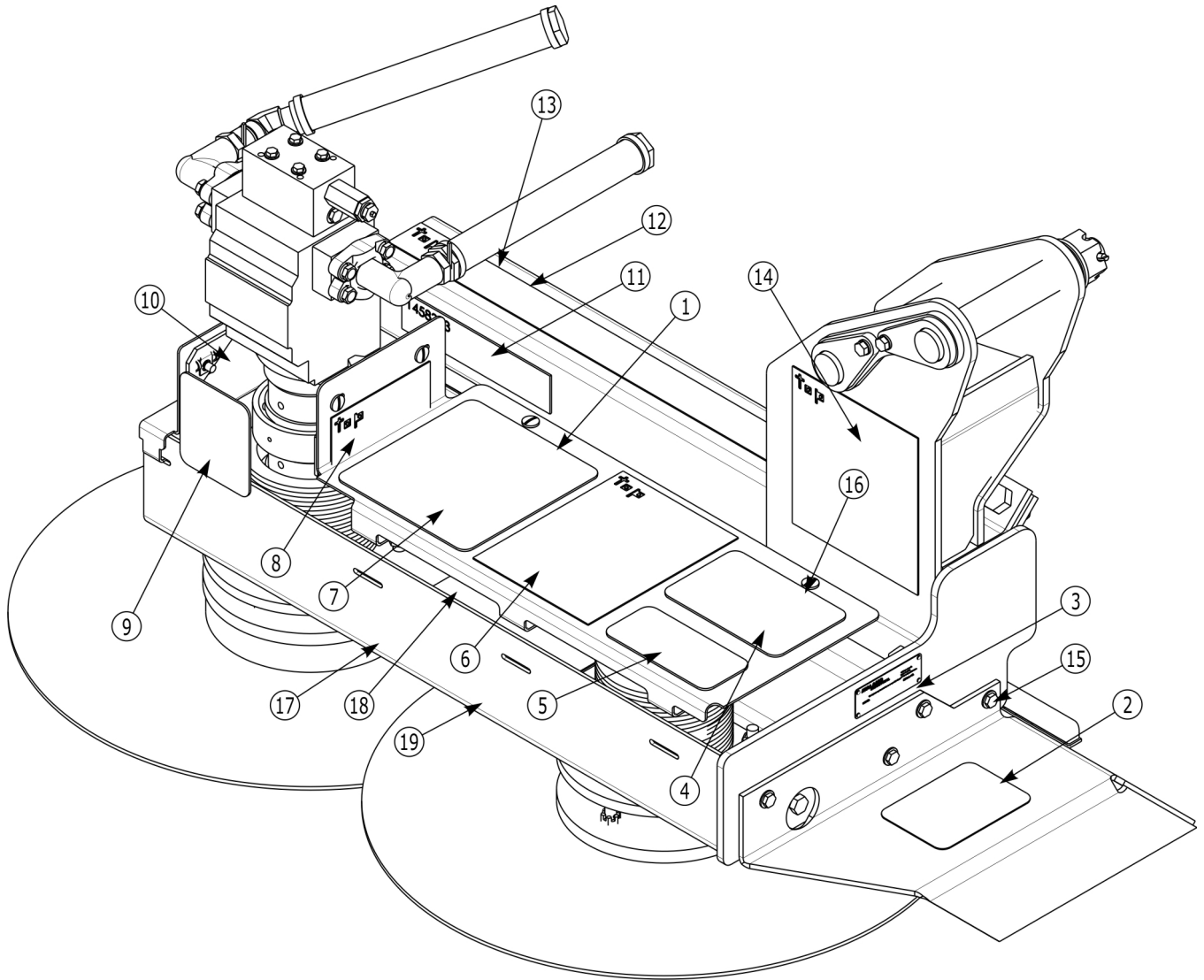
ITEM	PART NO.	QTY.	DESCRIPTION
1	02988484	2	DECAL, LOGO - (18 FT BOOM ONLY)
	02988485	2	DECAL, LOGO - (22 FT BOOM ONLY)
	02988486	2	DECAL, LOGO - (25 FT BOOM ONLY)
2	02962764	6	DECAL, PINCH POINTS (18-22-25 FT BOOMS)

## DECALS - 28FT TELESCOPING BOOM



ITEM	PART NO.	QTY.	DESCRIPTION
1	02985356	1	DECAL, AXTREME 28T
2	02962764	6	DECAL, PINCH POINT

## DECALS - 48 IN BUZZBAR - 2 BLADES



ITEM	PART NO.	QTY.	DESCRIPTION
1	02974998	1	DECAL -LOGO BUZZBAR
2	02960766	1	DECAL LOGO SQ
3	02975513	1	PLATE S/N PR 48
4	00769736	1	DECAL, USE/REPAIR GUARDS
5	02925100	1	DECAL, REPLACEMENT PARTS
6	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
7	02967827	1	DECAL, MULTI HAZARD
8	02975515	1	DECAL -WARNING DISCONNECT SOLENOID
9	00769737	1	DECAL, BLADES THROWN OBJECTS
10	00758194	1	DECAL, WARNING, BELT SHIELD
11	1458393	1	DECAL YELLOW REFLECTOR
12	1458392	1	DECAL RED REFLECTOR
13	02975516	1	DECAL -NO HITCHPOST HERE

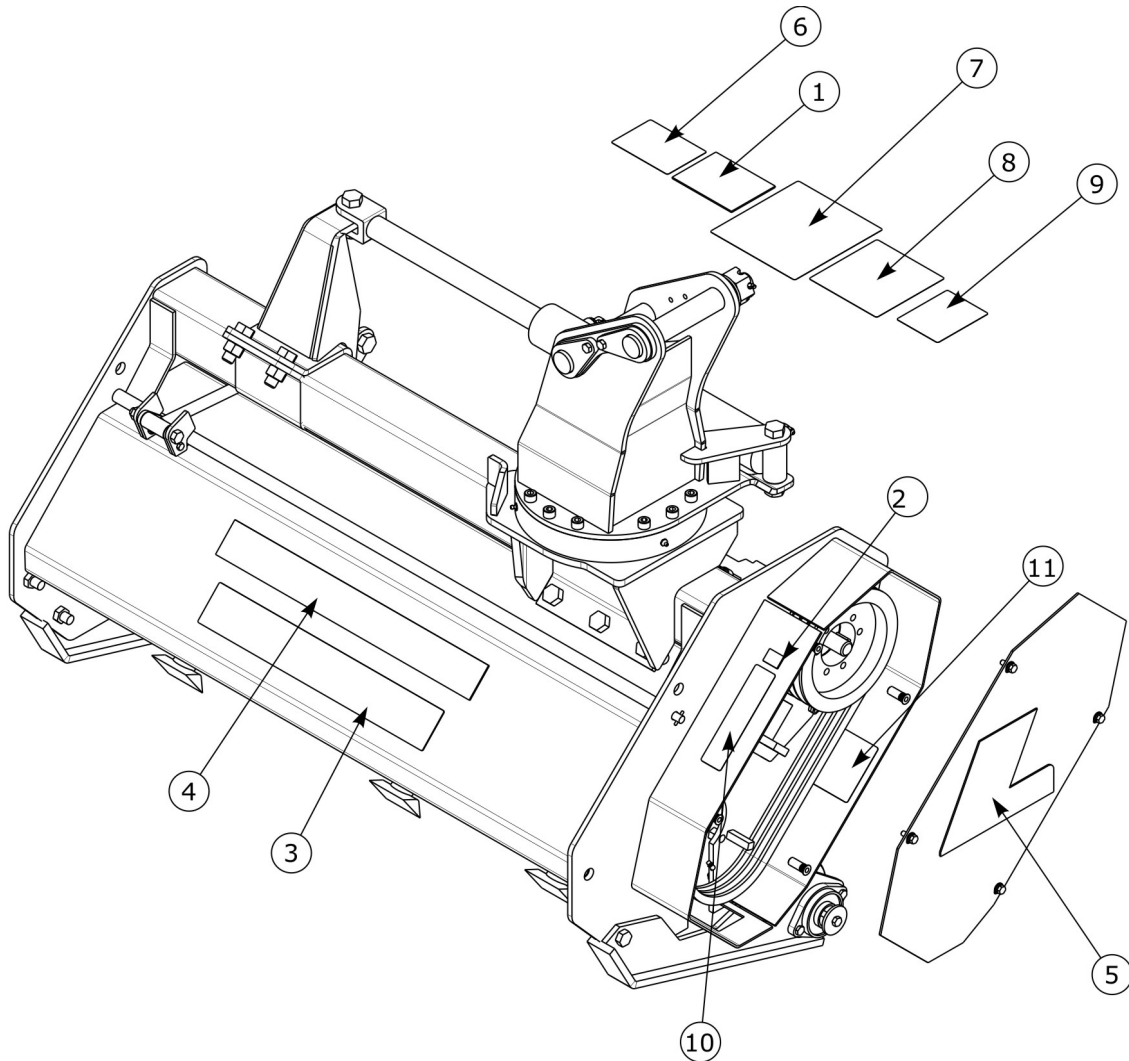


## DECALS - 48 IN BUZZBAR - 2 BLADES

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
14	02975170	1	DECAL -DANGER ROTATING BLADES (BUZZBAR)
15	02975158	1	DECAL -WARNING HEARING PROTECTION REQD
16	02965262	1	DECAL -WARNING -HOSE BURST
17	02962764	1	DECAL, PINCH POINT
18	00756004	1	DECAL, GUARD MISSING
19	D138	1	DECAL, CW BLADE ROTATION

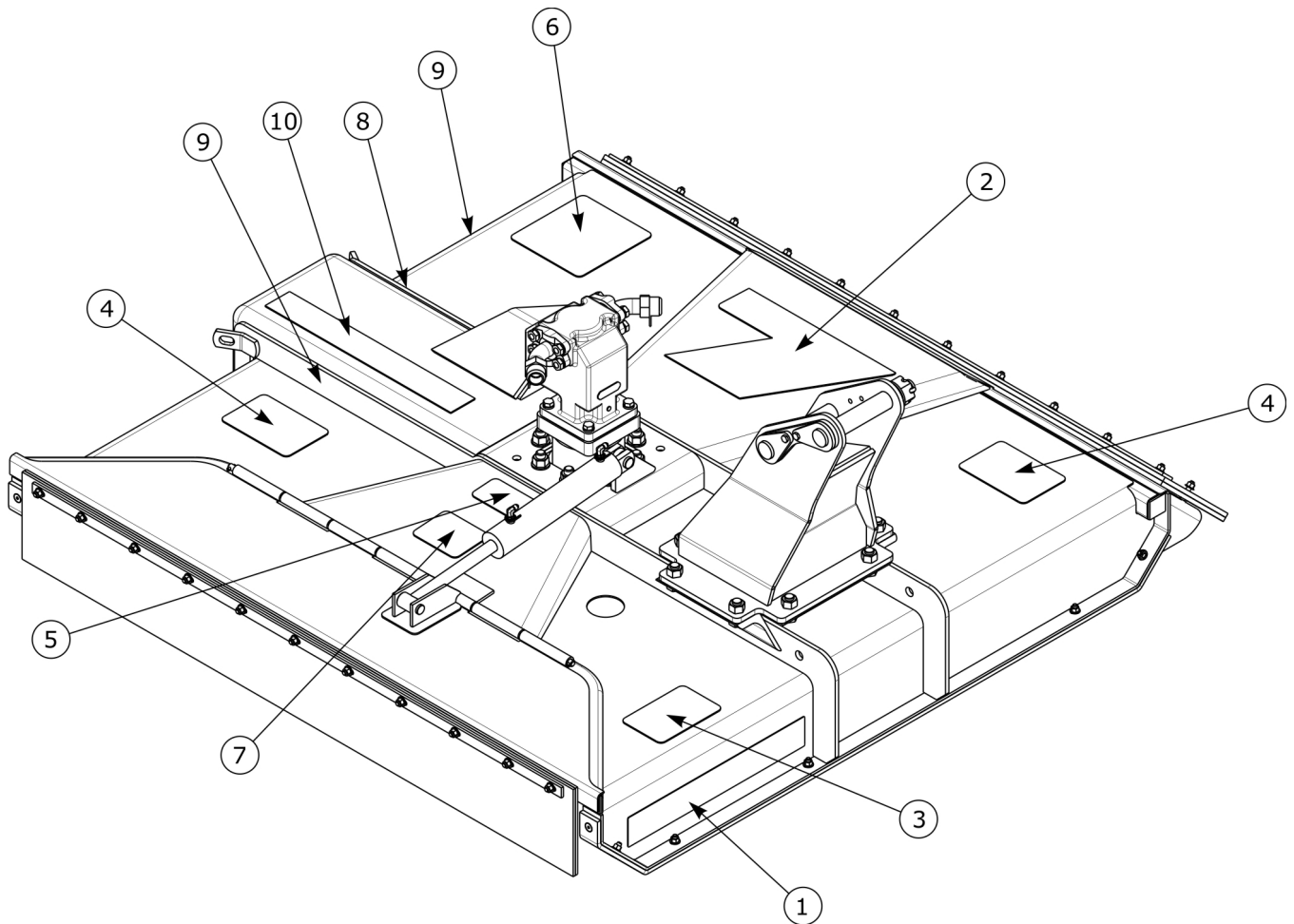
## DECALS - 48 IN FLAIL HEAD



ITEM	PART NO.	QTY.	DESCRIPTION
1	000108	1	DECAL, INSTRUC, FLAIL OPER
2	000678	1	DECAL, GREASE FITTING INSIDE
3	00757139	1	DECAL, LOGO (ALAMO BY T.K.)
4	02970887	1	DECAL, LOGO, FLAIL AXE 48"
5	02979551	1	DECAL, ALAMO INDUSTRIAL LOGO
6	D661	1	DECAL, LUBE PIONT, F/AXE HEAD
7	D564	1	DECAL, SAFETY, OPERATOR
8	D622	1	DECAL, DANGER, OPERATION, DOOR
9	D637	1	DECAL, SOLENIOD, DISCONNECT
10	D641	1	DECAL, HAZARD, PINCH POINTS
11	D646	1	DECAL, DANGER, GUARD, MISSING

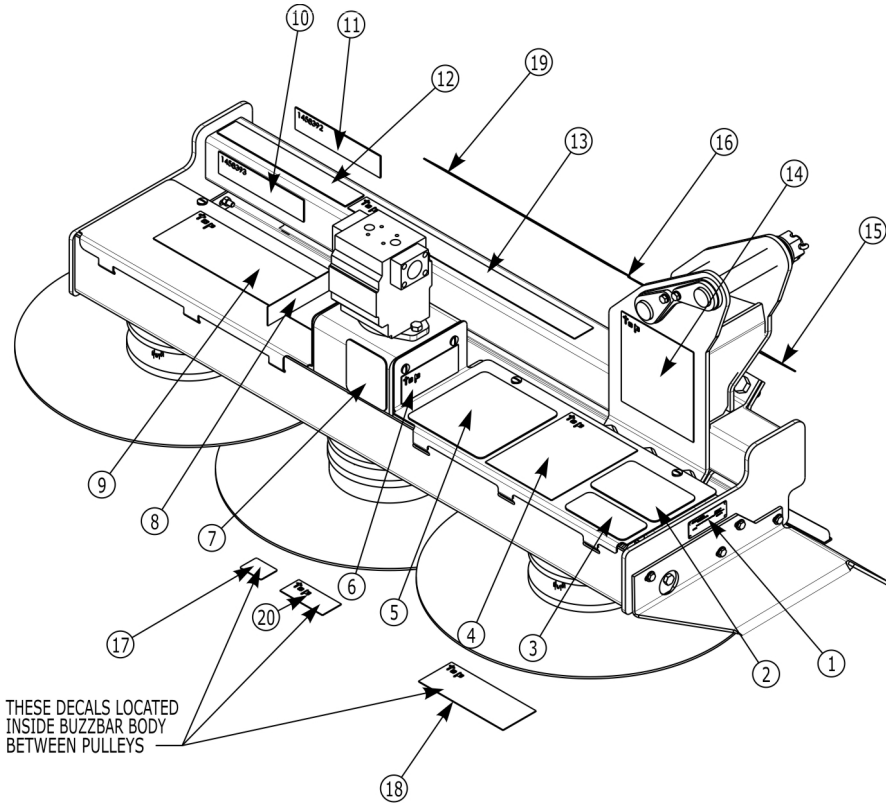
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## DECALS - 50 & 60 IN ROTARY HEAD



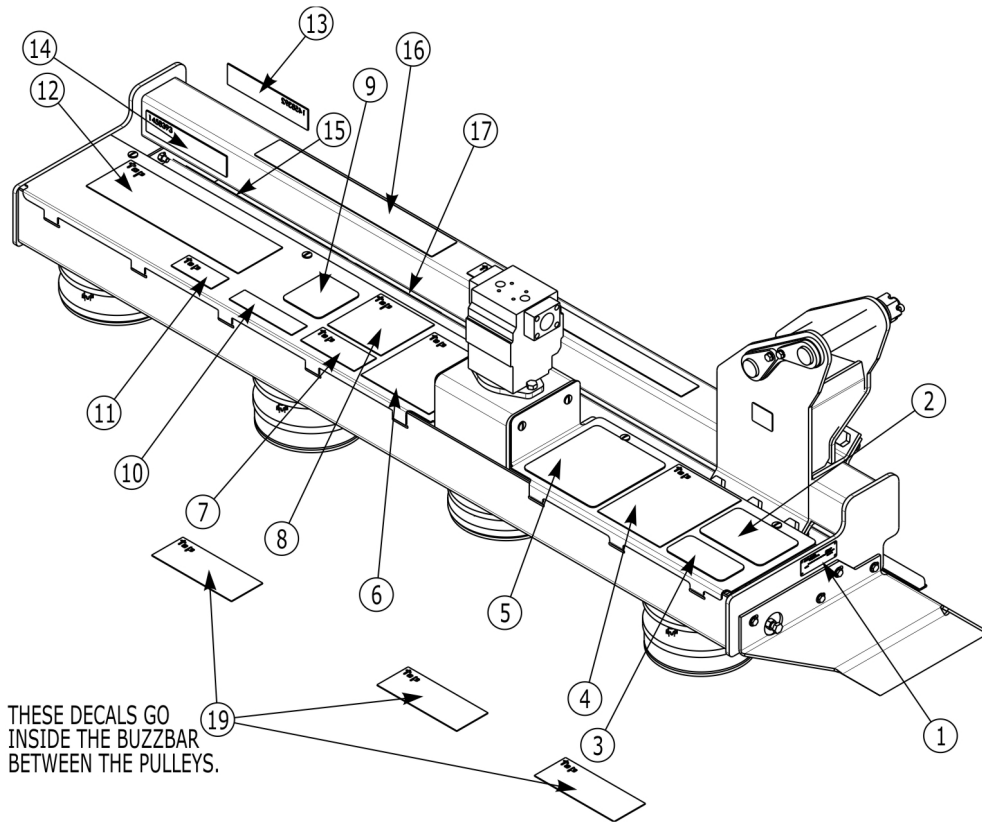
ITEM	PART NO.	QTY.	DESCRIPTION
1	00757139	2	DECAL, LOGO (ALAMO BY T.K.)
2	00757140	1	DECAL, ALAMO INDUSTRIAL LOGO
3	00769736	1	DECAL, USE/REPAIR GUARDS
4	00769737	2	DECAL, BLADES THROWN OBJECTS
5	02925100	1	DECAL, REPLACEMENT PARTS
6	02967827	1	DECAL, MULTI HAZARD
7	02967867	1	DECAL, DANGER SAFETY SHIELD
8	2738332	1	DECAL, RED OBLONG REFLECTOR
9	2738333	1	DECAL, YELLOW OBLONG REFLECTOR
10	02970889	1	DECAL, 60 ROTARY
	02982927	1	DECAL, 50 ROTARY

## DECALS - 69 IN BUZZBAR - 3 BLADES



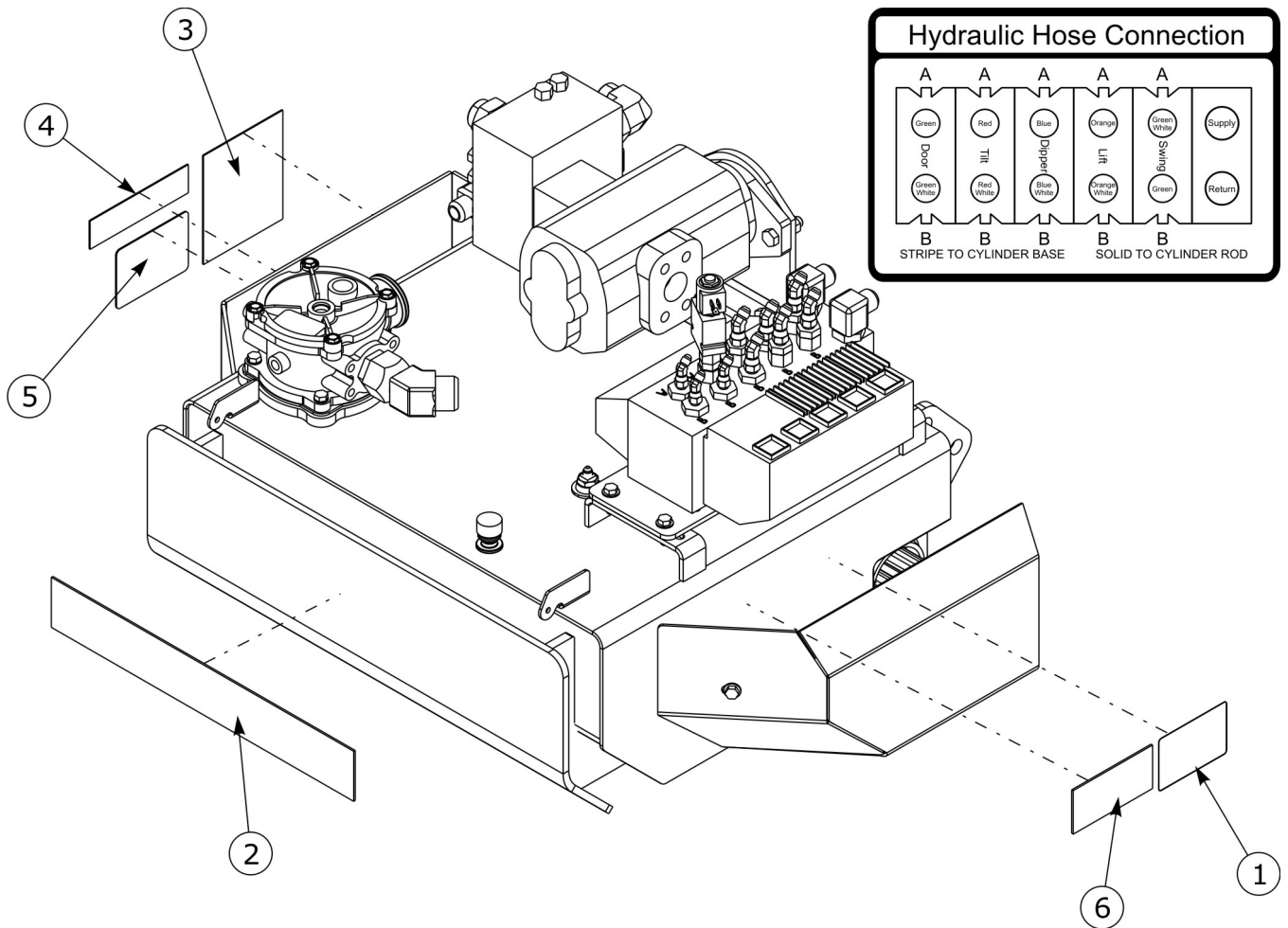
ITEM	PART NO.	QTY.	DESCRIPTION
1	02975513	1	PLATE S/N PR 48
2	00769736	1	DECAL, USE/REPAIR GUARDS
3	02925100	1	DECAL, REPLACEMENT PARTS
4	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
5	02967827	1	DECAL, MULTI HAZARD
6	02975515	1	DECAL -WARNING DISCONNECT SOLENOID
7	00769737	1	DECAL, BLADES THROWN OBJECTS
8	00758194	1	DECAL, WARNING, BELT SHIELD
9	02974998	1	DECAL -LOGO BUZZBAR
10	1458393	1	DECAL YELLOW REFLECTOR
11	1458392	1	DECAL RED REFLECTOR
12	02979546	1	DECAL, ALAMO IND. LOGO
13	02975516	1	DECAL -NO HITCHPOST HERE
14	02975170	1	DECAL -DANGER ROTATING BLADES (BUZZBAR)
15	02975158	1	DECAL -WARNING HEARING PROTECTION REQD
16	02965262	1	DECAL -WARNING -HOSE BURST
17	02962764	1	DECAL, PINCH POINT
18	00756004	1	DECAL, GUARD MISSING
19	00757139	1	DECAL, LOGO (ALAMO BY T.K.)
20	D138	1	DECAL, CW BLADE ROTATION

## DECALS - 90 IN BUZZBAR - 4 BLADES



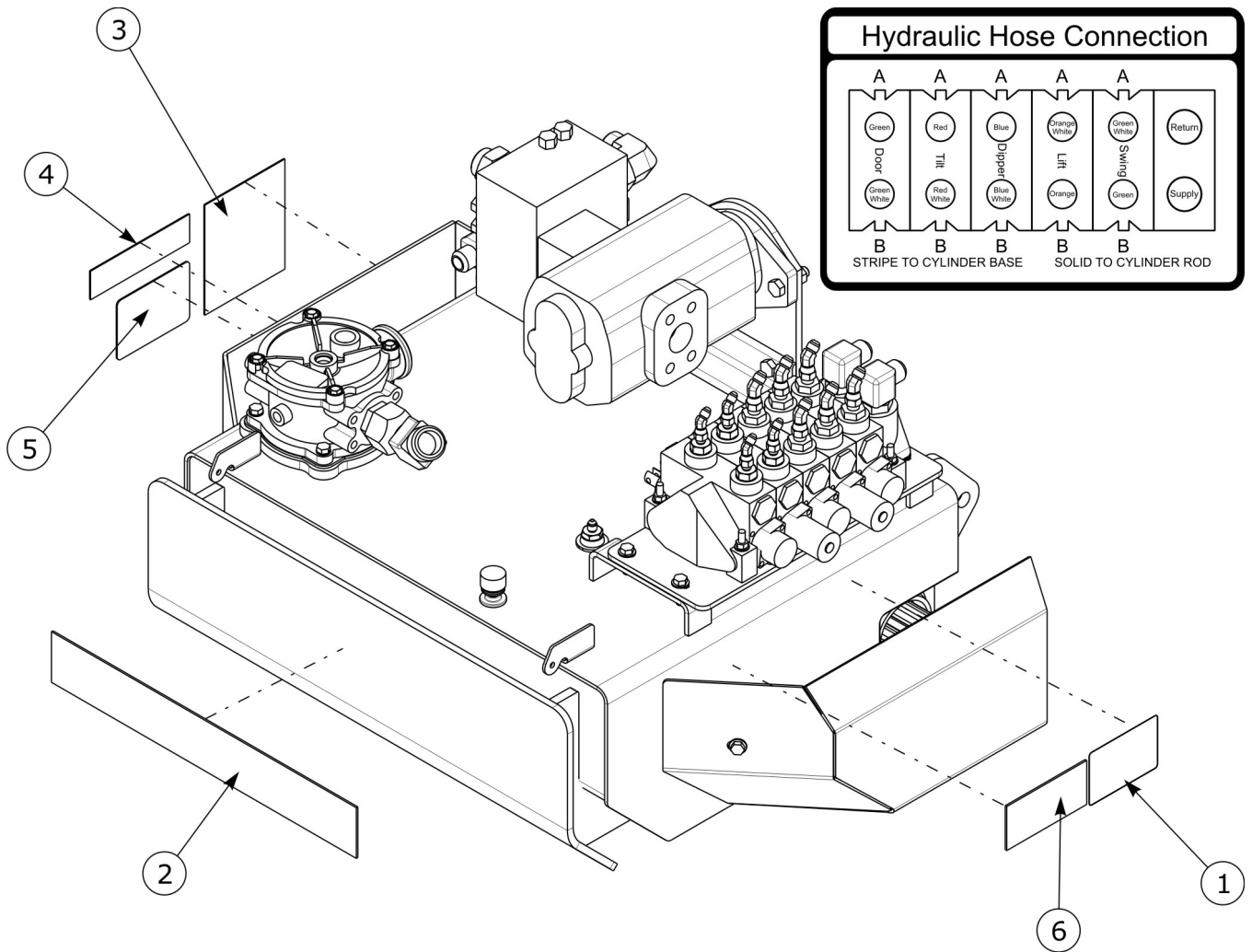
ITEM	PART NO.	QTY.	DESCRIPTION
1	02975513	1	PLATE S/N PR 48
2	00769736	1	DECAL, USE/REPAIR GUARDS
3	02925100	1	DECAL, REPLACEMENT PARTS
4	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
5	02967827	1	DECAL, MULTI HAZARD
6	02975170	1	DECAL -DANGER ROTATING BLADES (BUZZBAR)
7	02975515	1	DECAL -WARNING DISCONNECT SOLENOID
8	02975158	1	DECAL -WARNING HEARING PROTECTION REQD
9	00769737	1	DECAL, BLADES THROWN OBJECTS
10	00758194	1	DECAL, WARNING, BELT SHIELD
11	D138	1	DECAL, CW BLADE ROTATION
12	02974998	1	DECAL -LOGO BUZZBAR
13	1458392	1	DECAL RED REFLECTOR
14	1458393	1	DECAL YELLOW REFLECTOR
15	02975516	1	DECAL -NO HITCHPOST HERE
16	00757139	2	DECAL, LOGO (ALAMO BY T.K.)
17	02965262	1	DECAL -WARNING -HOSE BURST
18	02962764	1	DECAL, PINCH POINT
19	00756004	3	DECAL, GUARD MISSING

## DECALS - HYD TANK & PUMP - ELECT VALVE



ITEM	PART NO.	QTY.	DESCRIPTION
1	02983409	1	DECAL, VALVE LAYOUT 18-22-25FT
2	02971943	1	DECAL, ALAMO INDUSTRIAL YELLOW
3	02965262	1	DECAL, WARNING HOSE BURST
4	02971123	1	DECAL, WARNING PRESSURIZED TANK
5	02982828	1	DECAL, TEMPERATURE RANGE
6	02982583	1	DECAL, CAUTION - DO NOT WELD

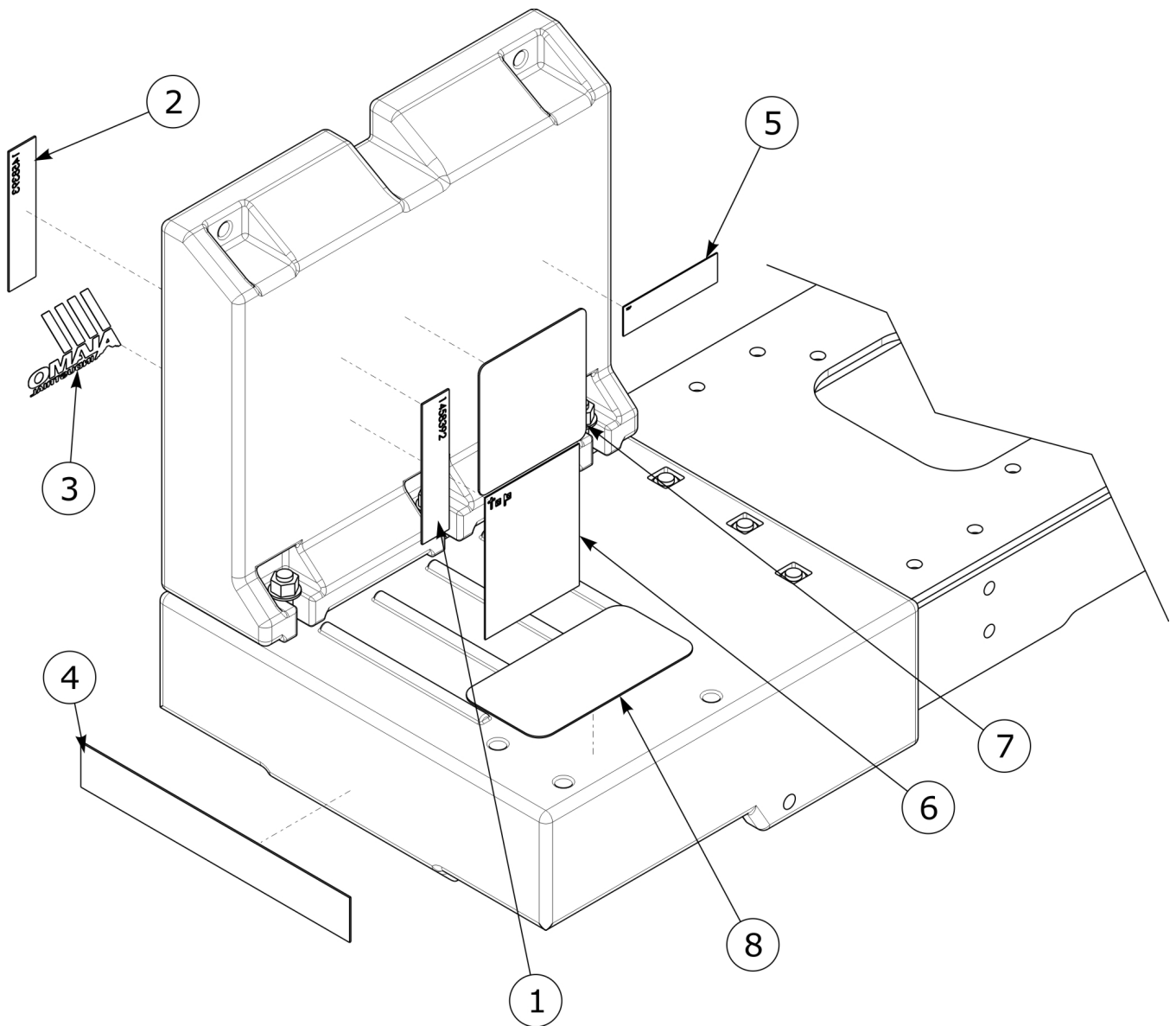
## DECALS - HYD TANK & PUMP - MAN VALVE



ITEM	PART NO.	QTY.	DESCRIPTION
1	02988526	1	DECAL, MAN VALVE LAYOUT, AXT 2
2	02971943	1	DECAL, ALAMO INDUSTRIAL YELLOW
3	02965262	1	DECAL, WARNING HOSE BURST
4	02971123	1	DECAL, WARNING PRESSURIZED TANK
5	02982828	1	DECAL, TEMPERATURE RANGE
6	02982583	1	DECAL, CAUTION - DO NOT WELD

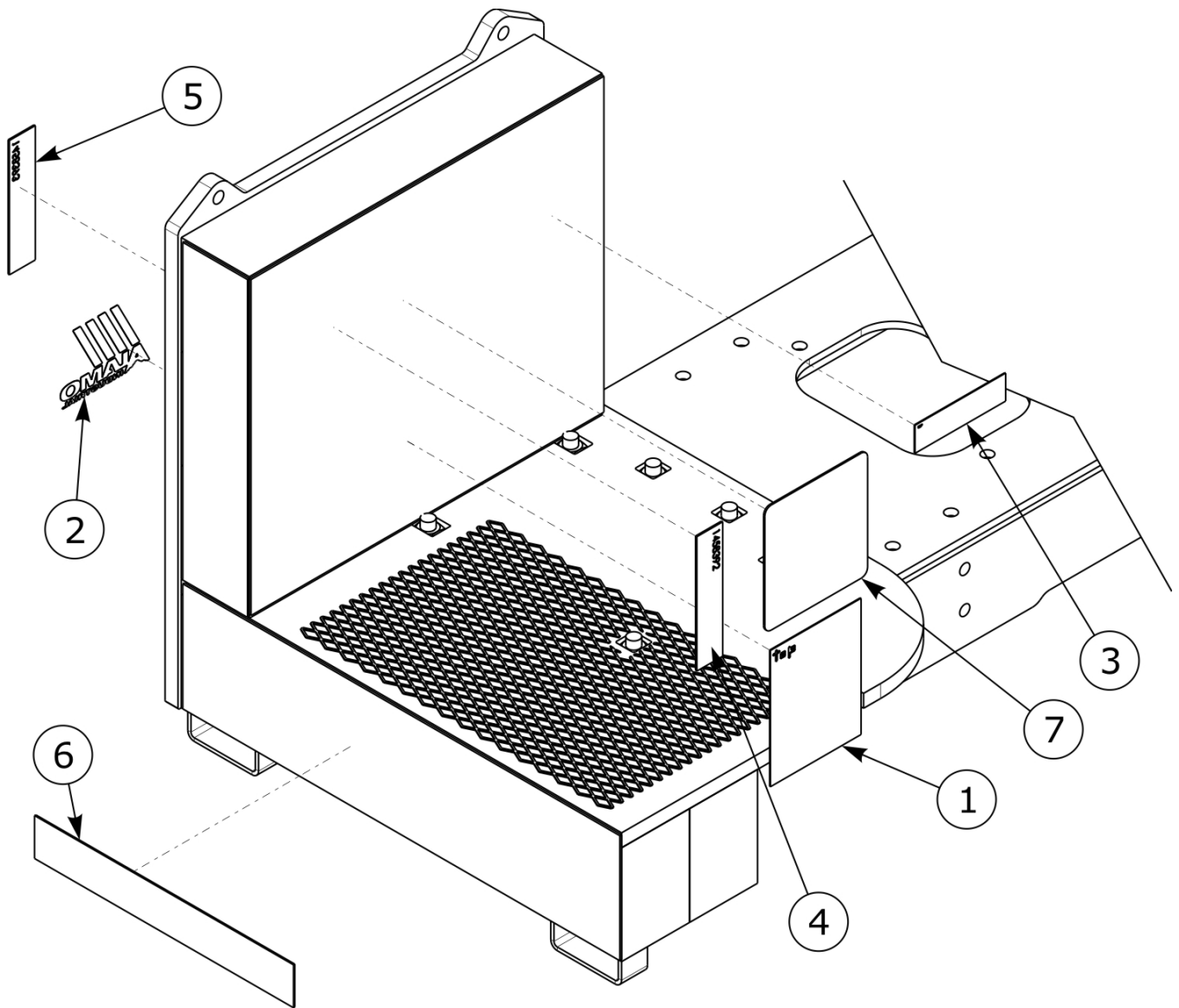


## DECALS - UNDER MOUNT COUNTER WEIGHT - CAST



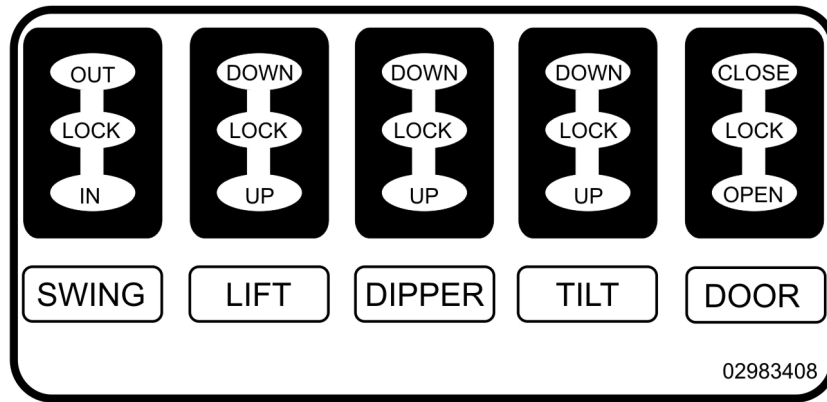
ITEM	PART NO.	QTY.	DESCRIPTION
1	1458392	1	DECAL RED REFLECTOR
2	1458393	1	DECAL YELLOW REFLECTOR
3	002508	1	DECAL, ALAMO LOGO
4	02971943	1	DECAL, LOGO RECT CLEAR Y/W, 2 7/8 X 20
5	00725746	1	DECAL, SPANISH TRANSLATION
6	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
7	02967827	1	DECAL, MULTI HAZARD
8	02989802	1	DECAL, GRIP TAPE

## DECALS - UNDER MOUNT COUNTER WEIGHT - WELDED



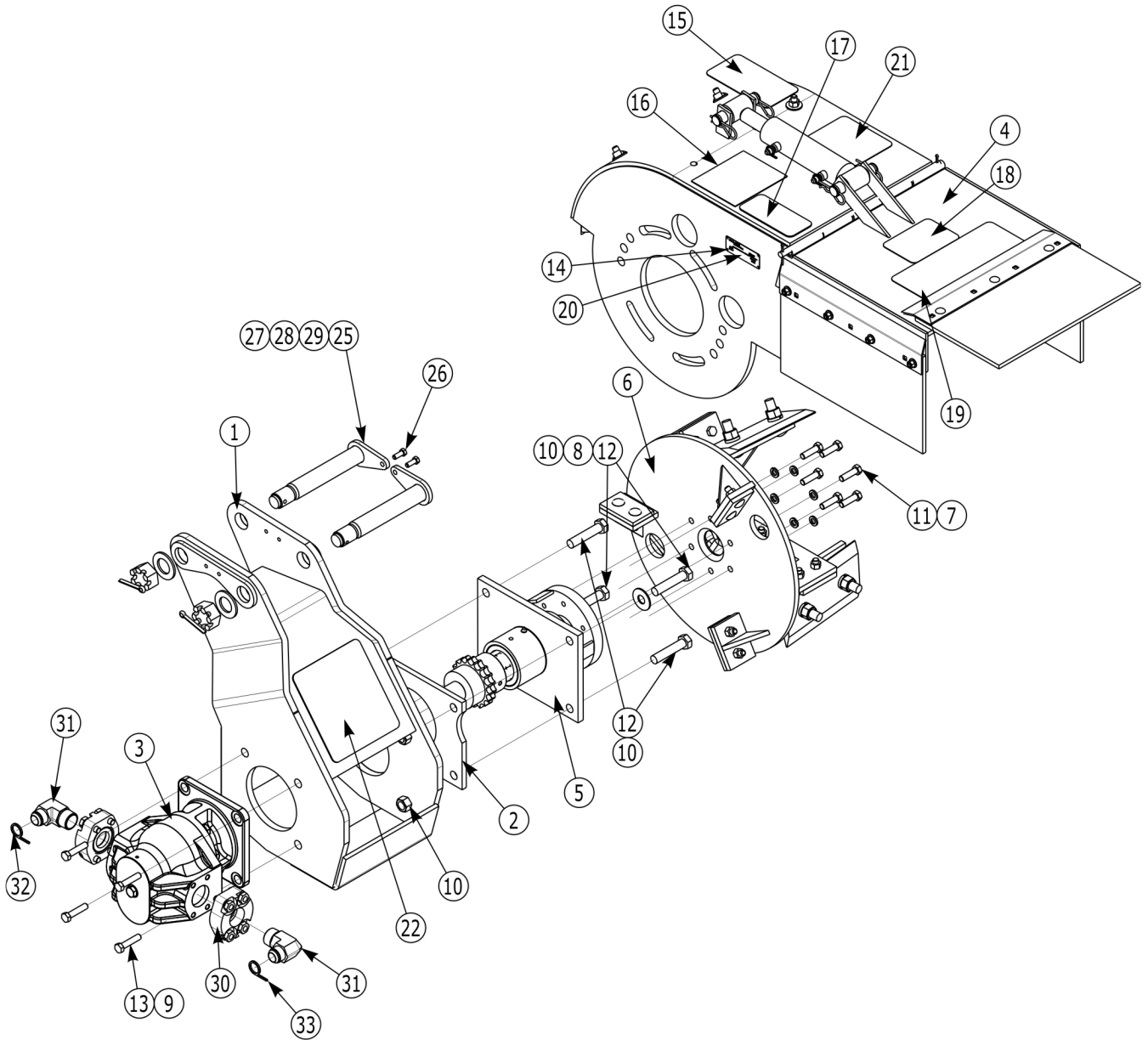
ITEM	PART NO.	QTY.	DESCRIPTION
1	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
2	002508	1	DECAL, ALAMO LOGO
3	00725746	1	DECAL, SPANISH TRANSLATION
4	1458392	1	DECAL RED REFLECTOR
5	1458393	1	DECAL YELLOW REFLECTOR
6	02971943	1	DECAL, LOGO RECT CLEAR Y/W, 2 7/8 X 20
7	02967827	1	DECAL, MULTI HAZARD

## DECALS - VALVE MAN HANDLE OPERATION



ITEM	PART NO.	QTY.	DESCRIPTION
1	02983408	1	DECAL, MAN VALVE CABLE OPERATION 18-22

# DITCHER ASSEMBLY



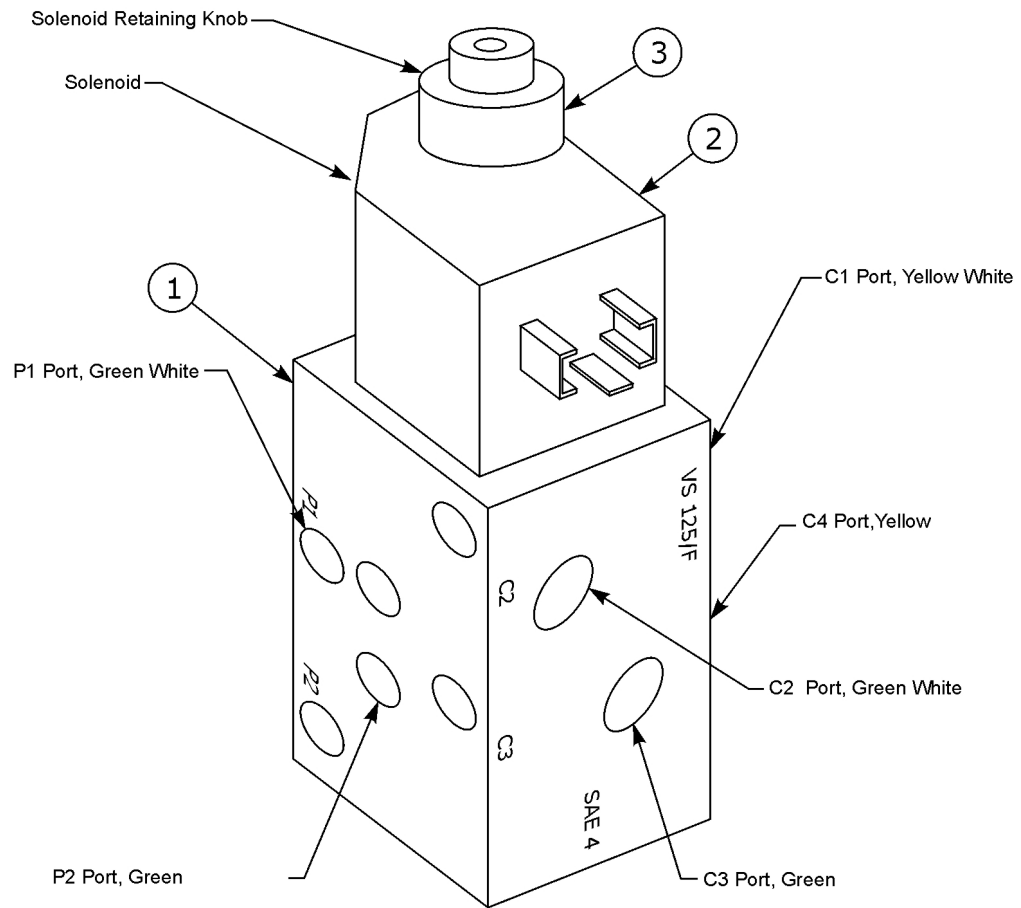
## DITCHER ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02988854	1	DITCHER ASSEMBLY
1	02988855	1	MACH WLDMT, HITCHPOST, BOOM MOUNT DITCHER
2	02973583	1	SPACER PLATE
3	02987660	1	MOTOR, HYD GEAR 15.5 CUIN/REV
4	02873900	1	BLADE HOUSING ASSY
5	02973336	1	SPINDLE ASSY
6	02875301	1	BLADE HEAD ASSY, ROUGH CUT
7	00001300	6	LOCKWASHER 1/2
8	00002701	2	FLATWASHER,3/4 STD PL
9	00001800	4	LOCKNUT TLM 1/2 NC PLB
10	00037200	4	NUT 3/4 NC LOCKNUT
11	02891800	6	HHCS 1/2 NC 1-3/4 PL8
12	02881000	4	HHCS 3/4" NC 3-1/2" PL5
13	02027400	4	HHCS 1/2 NC X 2 1/4 PL5
14	3710151	4	METAL TACK
15	00725739	1	DECAL WARN. SHEILD&GUARDS
16	02965262	1	DECAL - WARNING - HOSE BURST
17	02925100	1	DECAL, REPLACEMENT PARTS
18	02960766	1	DECAL LOGO SQ
19	02970888	1	DECAL BOOM DITCHER
20	02984510	1	PLATE S/N DTMV
21	999204	1	DECAL, DITCHER
22	02967827	1	DECAL, MULTI HAZARD
23	02968836	1	PLASTIC TIE, YELLOW
24	02968837	1	PLASTIC TIE, YELLOW & WHITE
25	02988111	2	WLDMT, PIN, HITCH POST, DITCHER
26	00011400	2	BOLT, HHCS 3/8 NC 1 PL5
27	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
28	02971701	2	NUT, SLOTTED 1-3/8 12NF PLB
29	02971702	2	FLATWASHER, 1-3/8 TYPE B PL NARROW
30	02978111	2	ADP HYD STGHT 32FL-20FP
31	02985441	2	ADP HYD ELBOW 20MP-16MJ90
32	02968894	1	PLASTIC TIE, RED, 11LG
33	02968896	1	PLASTIC TIE, ORANGE, 11LG

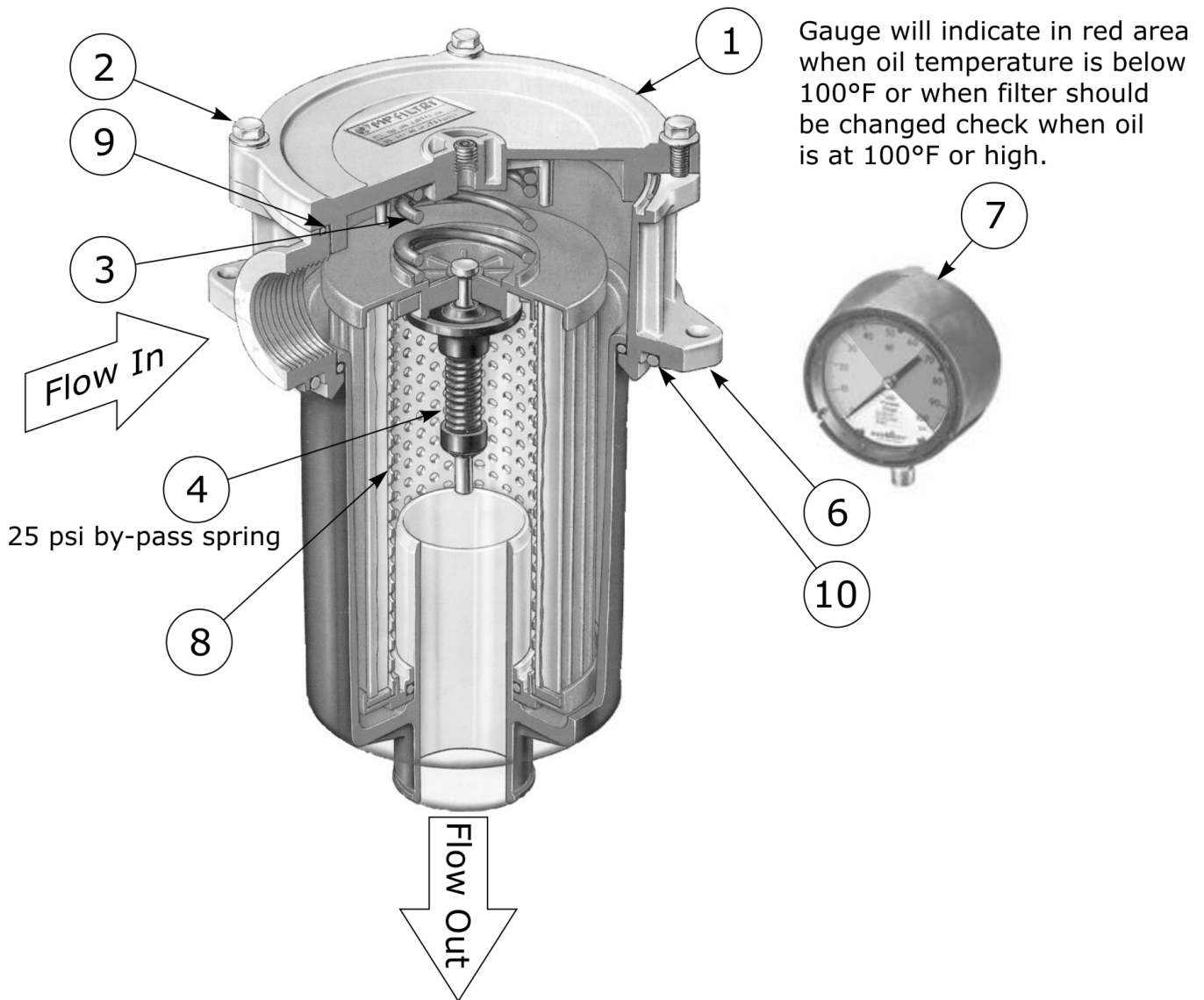
## DIVERTER VALVE - DOOR & SWIVEL

See Hyd Schematic - Swivel MNT Head (opt) for details.



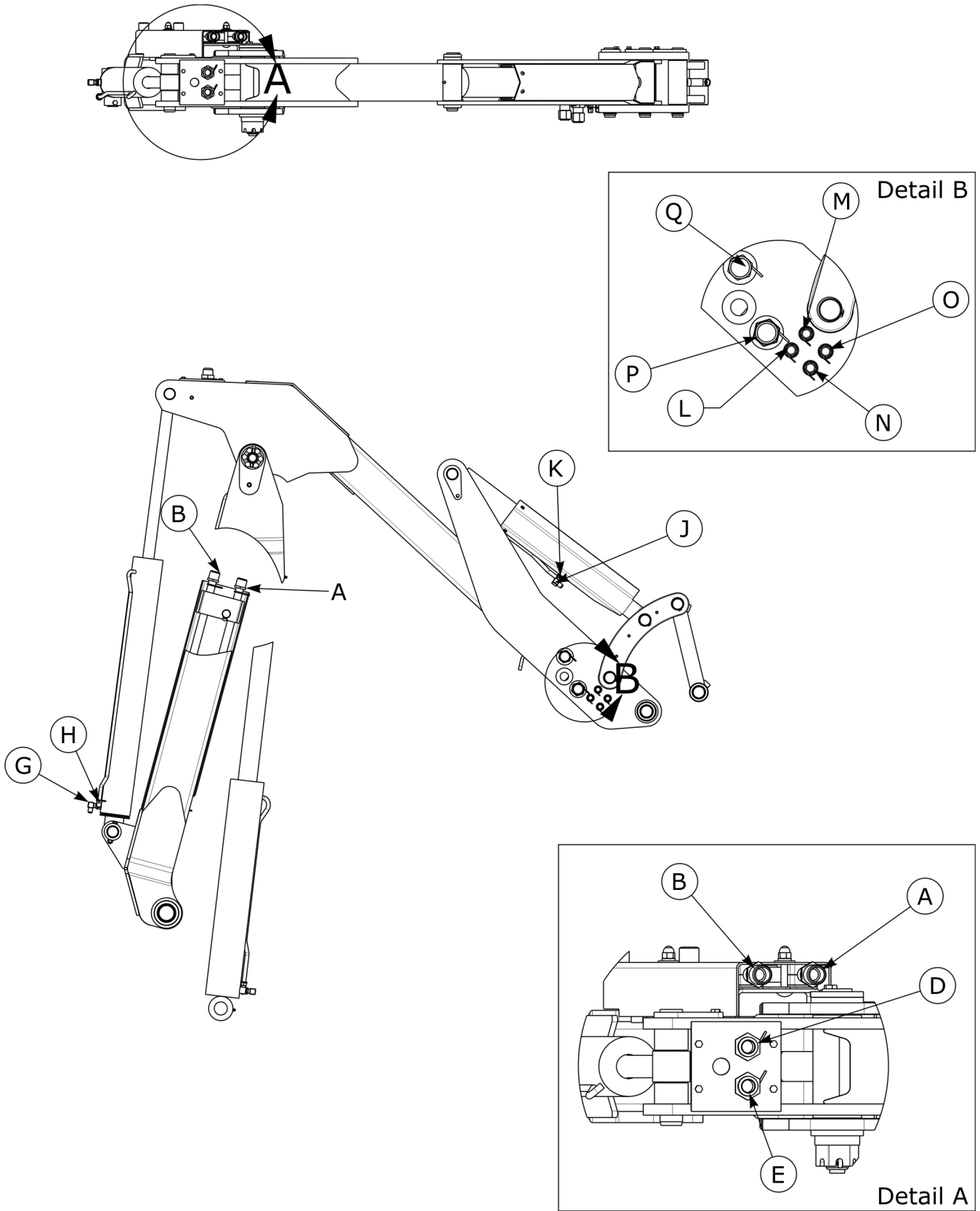
ITEM	PART NO.	QTY.	DESCRIPTION
1	02977622	1	VALVE SOLENOID DIVERTER SOLENOID VALVE ASY (INCLUDES ITEMS 2 & 3)
2	-----	1	SOLENOID
3	-----	1	SOLENOID RETAINING KNOB

## FILTER ASY - PN 02964748



ITEM	PART NO.	QTY.	DESCRIPTION
	02964748	1	FILTER ASY, RETURN FILTER
1	02978349	1	FILTER TOP COVER
2	02978355	1	NUT & BOLT KIT, F/ TOP COVER
3	02972678	1	SPRING, FILTER CARTRIDGE
4	02973782	1	VALVE, FILTER BYPASS
5	02978354	1	SEAL KIT
6	02963662	1	GASKET, FILTER ASY TO TANK, FIBER
7	02962963	1	DIAL INDICATOR, RETURN FLOW (NOT INCLUDED IN FILTER ASY)
8	02961001	1	FILTER ELEMENT, REPLACEMENT CARTRIDGE
9	-----	1	O-RING, TOP COVER SEAL (INCLUDED IN ITEM 5)
10	-----	2	O-RING, CANNISTER SEAL (INCLUDED IN ITEM 5)

# HOSE ROUTING - 18 FT BOOM



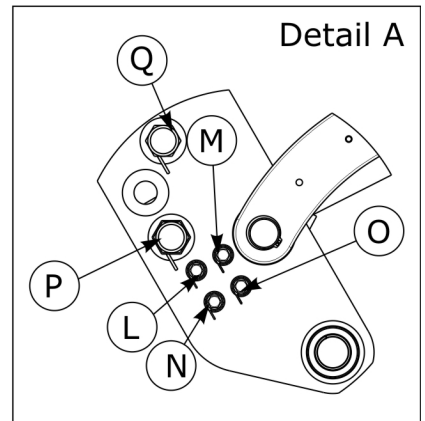
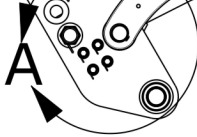
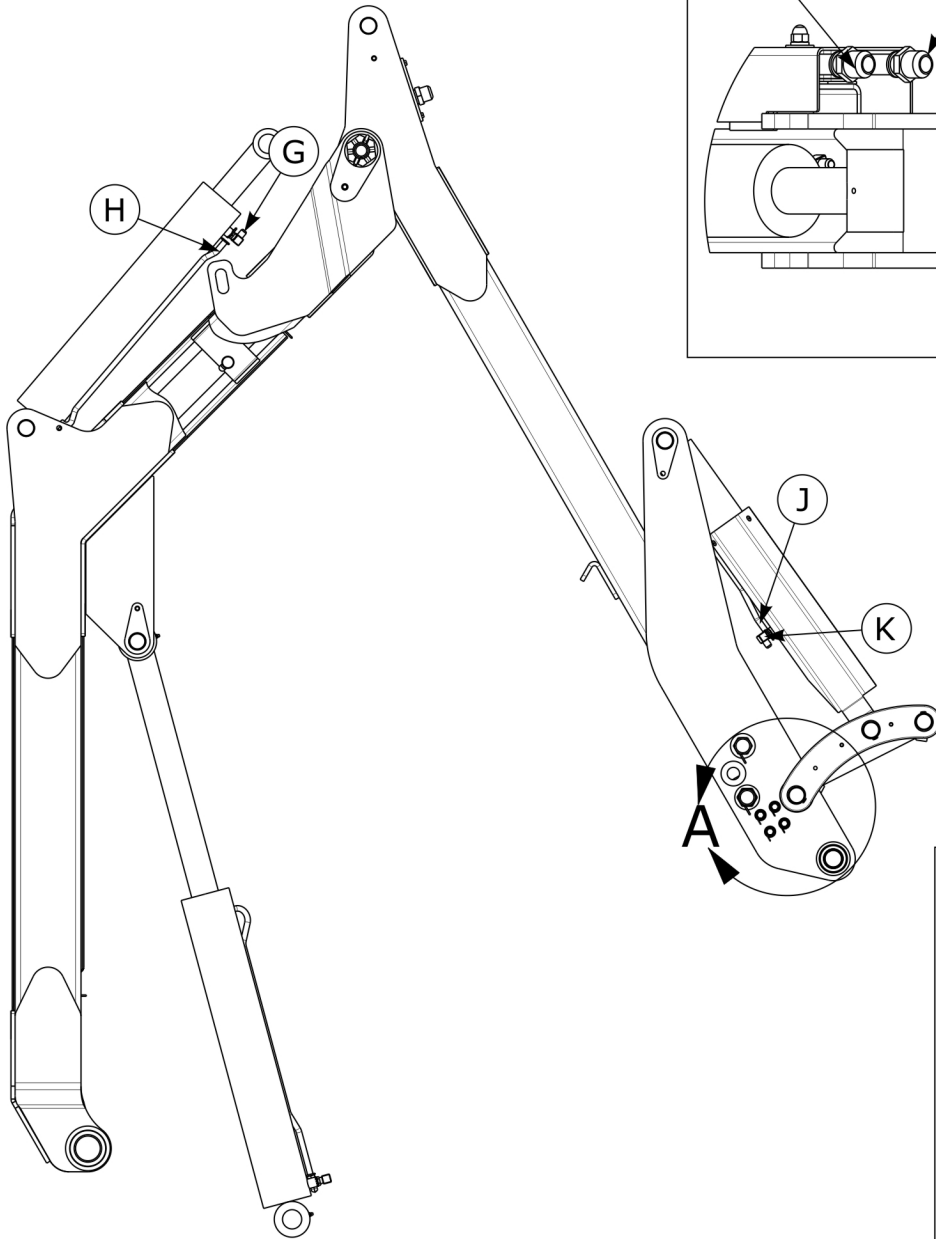
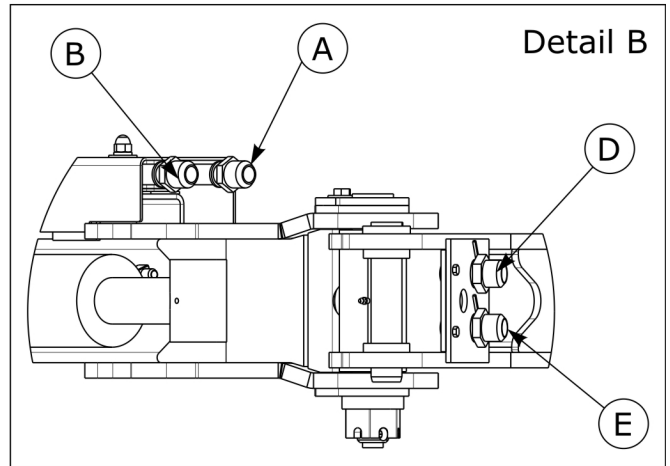
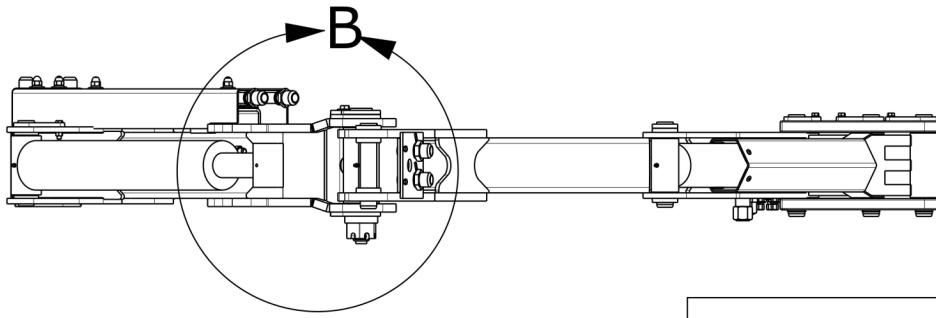


## HOSE ROUTING - 18 FT BOOM NOTES

Hose Part Number	Description	Connection 1	Connection 2
02983346	TILT RED (LIFT)	N/A	02983350
02983347	TILT R/W (lift)	N/A	02983351
02983348	DOOR YELLOW (LIFT)	N/A	02983352
02983349	DOOR Y/W (LIFT)	N/A	02983353
02983531	SWIVEL GREEN (LIFT)	N/A	02983533
02983532	SWIVEL G/W (LIFT)	N/A	02983534
02983350	TILT RED (DIPPER)	02983346	J
02983351	TILT R/W (DIPPER)	02983347	K
02983352	DOOR YELLOW (DIPPER)	02983348	M
02983353	DOOR Y/W (DIPPER)	02983349	L
02983533	SWIVEL GREEN (DIPPER)	02983531	O
02983534	SWIVEL G/W (DIPPER)	02983532	N
02990720	DIPPER CYL BLUE	N/A	H
02990721	DIPPER CYL B/W	N/A	G
02984833	MOTOR PRESSURE	A	D
02984834	MOTOR RETURN	B	E
02986007	MOTOR PRESSURE	D	P
02986008	MOTOR RETURN	E	Q

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983346	1	HOSE, TILT RED (LIFT)
2	02983347	1	HOSE, TILT R/W (LIFT)
3	02983348	1	HOSE, DOOR YELLOW (LIFT)
4	02983349	1	HOSE, DOOR Y/W (LIFT)
5	02983531	1	HOSE, SWIVEL GREEN (LIFT)
6	02983532	1	HOSE, SWIVEL G/W (LIFT)
7	02983350	1	HOSE, TILT RED (DIPPER)
8	02983351	1	HOSE, TILT R/W (DIPPER)
9	02983352	1	HOSE, DOOR YELLOW (DIPPER)
10	02983353	1	HOSE, DOOR Y/W (DIPPER)
11	02983533	1	HOSE, SWIVEL GREEN (DIPPER)
12	02983534	1	HOSE, SWIVEL G/W (DIPPER)
13	02990720	1	HOSE, DIPPER CYL BLUE
14	02990721	1	HOSE, DIPPER CYL B/W
15	02984833	1	HOSE, MOTOR PRESSURE
16	02984834	1	HOSE, MOTOR RETURN
17	02986007	1	HOSE, MOTOR PRESSURE
18	02986008	1	HOSE, MOTOR RETURN
19	02961085	1	CORDURA SLEEVING - 54 LG
20	02982334	1	CORDURA SLEEVE, 2.54 ID, 10 LG
21	02983079	1	SLEEVE 66" CORDURA 2.54 ID

# HOSE ROUTING - 22 FT BOOM

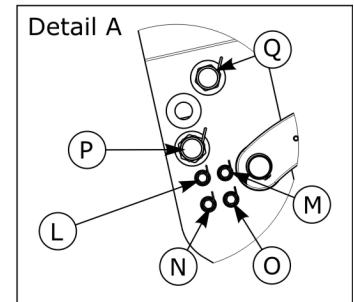
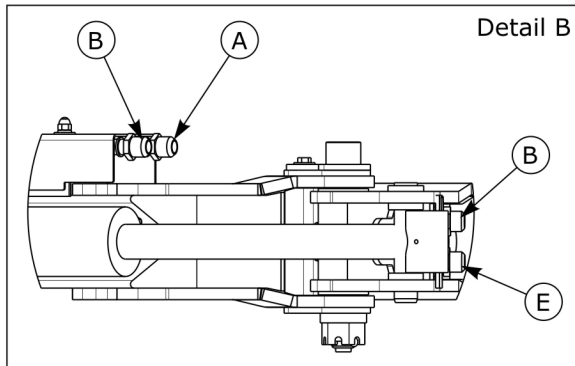
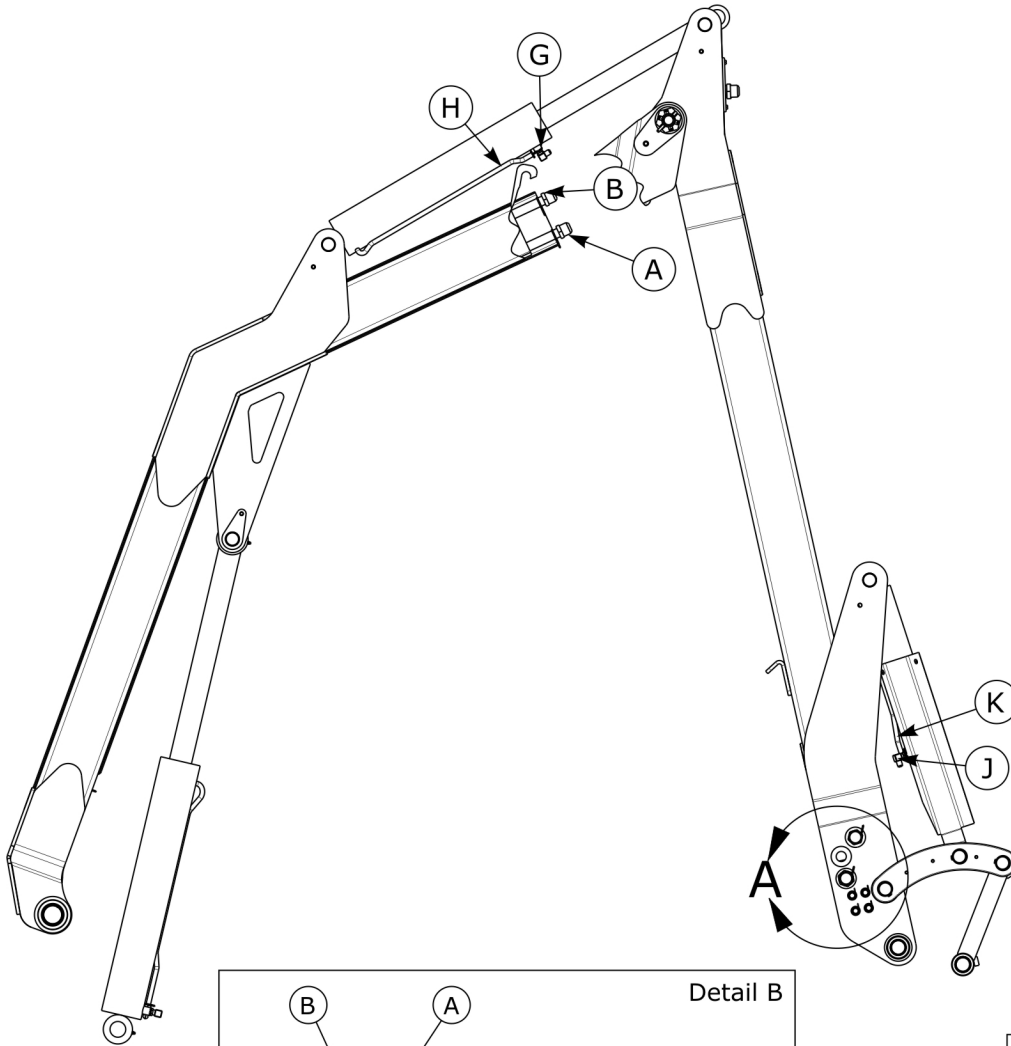
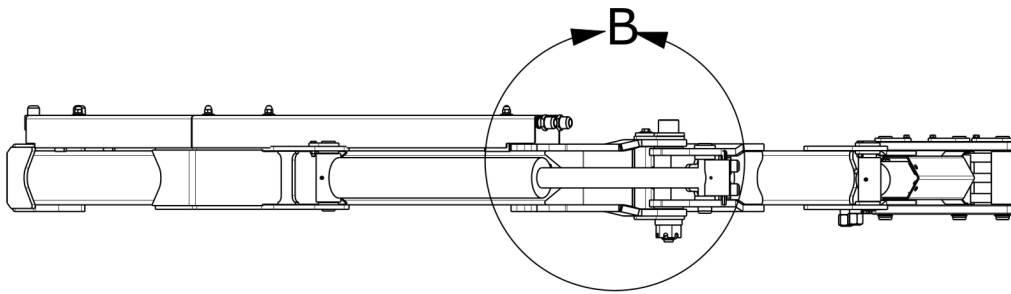


## HOSE ROUTING - 22 FT BOOM NOTES

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
02986004	MOTOR PRESSURE	D	P
02986005	MOTOR RETURN	E	Q

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983178	1	HOSE, DIPPER BLU
2	02983179	1	HOSE, DIPPER B/W
3	02983180	1	HOSE, TILT RED (LIFT)
4	02983181	1	HOSE, TILT R/W (LIFT)
5	02983182	1	HOSE, DOOR YELLOW (LIFT)
6	02983183	1	HOSE, DOOR Y/W (LIFT)
7	02983503	1	HOSE, SWIVEL GREEN (LIFT)
8	02983504	1	HOSE, SWIVEL G/W (LIFT)
9	02983184	1	HOSE, TILT RED (DIPPER)
10	02983185	1	HOSE, TILT R/W (DIPPER)
11	02983186	1	HOSE, DOOR YELLOW (DIPPER)
12	02983187	1	HOSE, DOOR Y/W (DIPPER)
13	02983499	1	HOSE, SWIVEL GREEN (DIPPER)
14	02983500	1	HOSE, SWIVEL G/W (DIPPER)
15	02986107	1	HOSE, MOTOR PRESSURE
16	02986108	1	HOSE, MOTOR RETURN
17	02986004	1	HOSE, MOTOR PRESSURE
18	02986005	1	HOSE, MOTOR RETURN
19	02986798	1	CORDURA SLEEVE, 3.66 ID, 58 LG
20	02983955	1	CORDURA SLEEVE, 2.54 ID, 140LG
21	02987416	1	CORDURA SLEEVE, 1.81 ID, 15 LG

# HOSE ROUTING - 25 FT BOOM

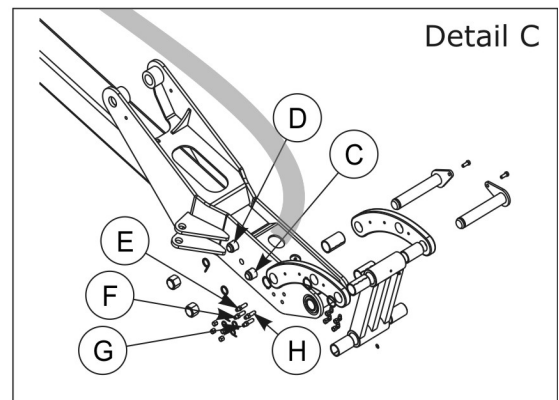
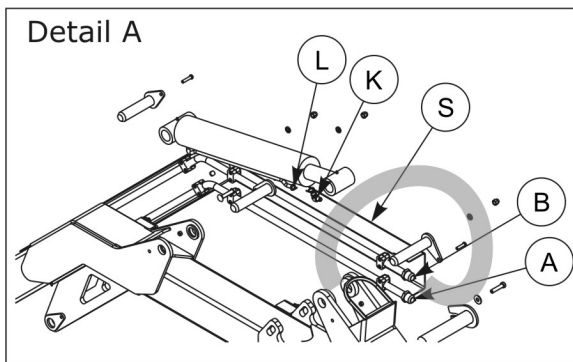
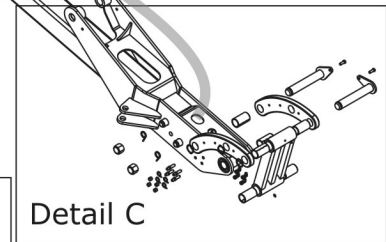
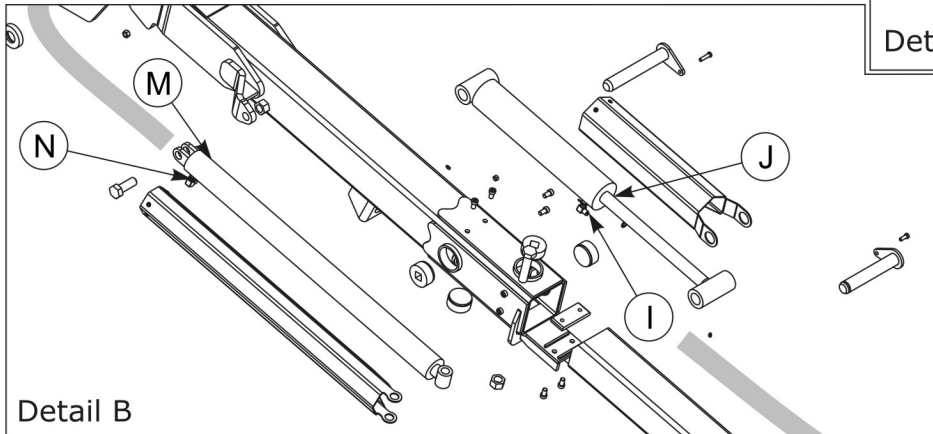
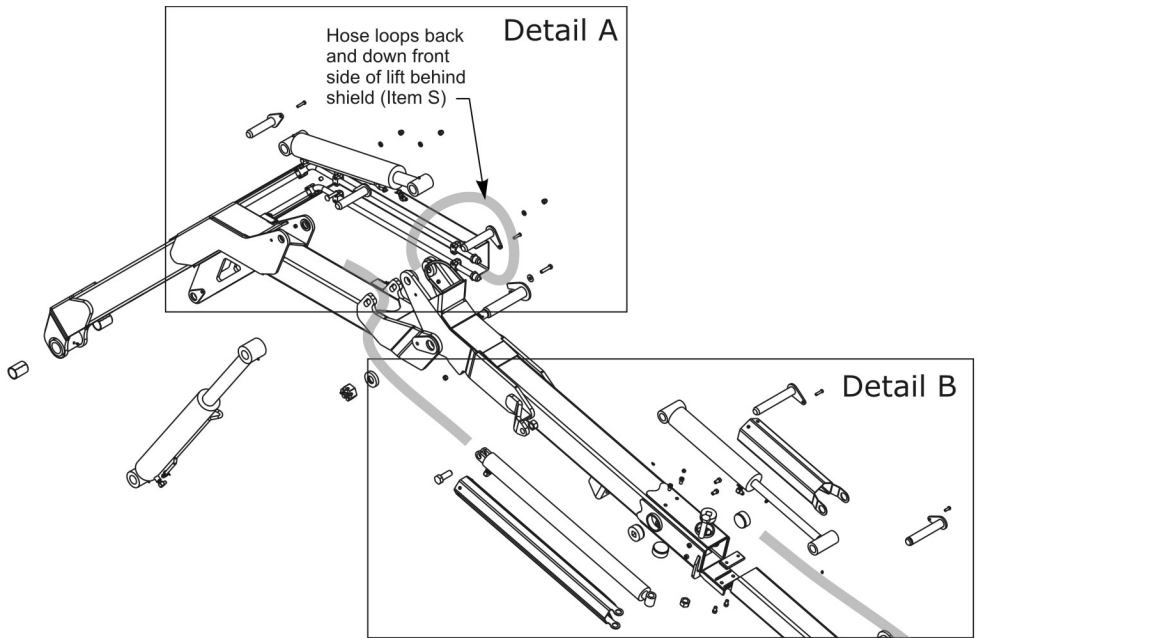


## HOSE ROUTING - 25 FT BOOM NOTES

Hose Part Number	Description	Connection 1	Connection 2
02983188	DIPPER BLU	N/A	H
02983189	DIPPER B/W	N/A	G
02983190	TILT RED (LIFT)	N/A	02983194
02983191	TILT R/W ( LIFT)	N/A	02983195
02983192	DOOR YLW (LIFT)	N/A	02983196
02983193	DOOR Y/W (LIFT)	N/A	02983197
02983505	SWIVEL GRN (LIFT)	N/A	02983501
02983506	SWIVEL G/W (LIFT)	N/A	02983502
02983194	TILT RED (DIPPER)	02983190	J
02983195	TILT R/W (DIPPER)	02983191	K
02983196	DOOR YLW (DIPPER)	02983192	M
02983197	DOOR Y/W (DIPPER)	02983193	L
02983501	SWIVEL GRN (DIPPER)	02983505	O
02983502	SWIVEL G/W (DIPPER)	02983506	N
02986107	MOTOR PRESSURE	A	D
02986108	MOTOR RETURN	B	E
02986001	MOTOR PRESSURE	P	D
02986002	MOTOR RETURN	Q	E

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983188	1	HOSE, DIPPER BLU
2	02983189	1	HOSE, DIPPER B/W
3	02983190	1	HOSE, TILT RED (LIFT)
4	02983191	1	HOSE, TILT R/W ( LIFT)
5	02983192	1	HOSE, DOOR YLW (LIFT)
6	02983193	1	HOSE, DOOR Y/W (LIFT)
7	02983505	1	HOSE, SWIVEL GRN (LIFT)
8	02983506	1	HOSE, SWIVEL G/W (LIFT)
9	02983194	1	HOSE, TILT RED (DIPPER)
10	02983195	1	HOSE, TILT R/W (DIPPER)
11	02983196	1	HOSE, DOOR YLW (DIPPER)
12	02983197	1	HOSE, DOOR Y/W (DIPPER)
13	02983501	1	HOSE, SWIVEL GRN (DIPPER)
14	02983502	1	HOSE, SWIVEL G/W (DIPPER)
15	02986107	1	HOSE, MOTOR PRESSURE
16	02986108	1	HOSE, MOTOR RETURN
17	02986001	1	HOSE, MOTOR PRESSURE
18	02986002	1	HOSE, MOTOR RETURN
19	02986798	1	CORDURA SLEEVE, 3.66ID, 58LG
20	02987416	1	CORDURA SLEEVE, 1.81 ID 15 LG
21	02982333	1	CORDURA SLEEVE, 2.54ID,156LG

# HOSE ROUTING - 28FT TELESCOPING BOOM

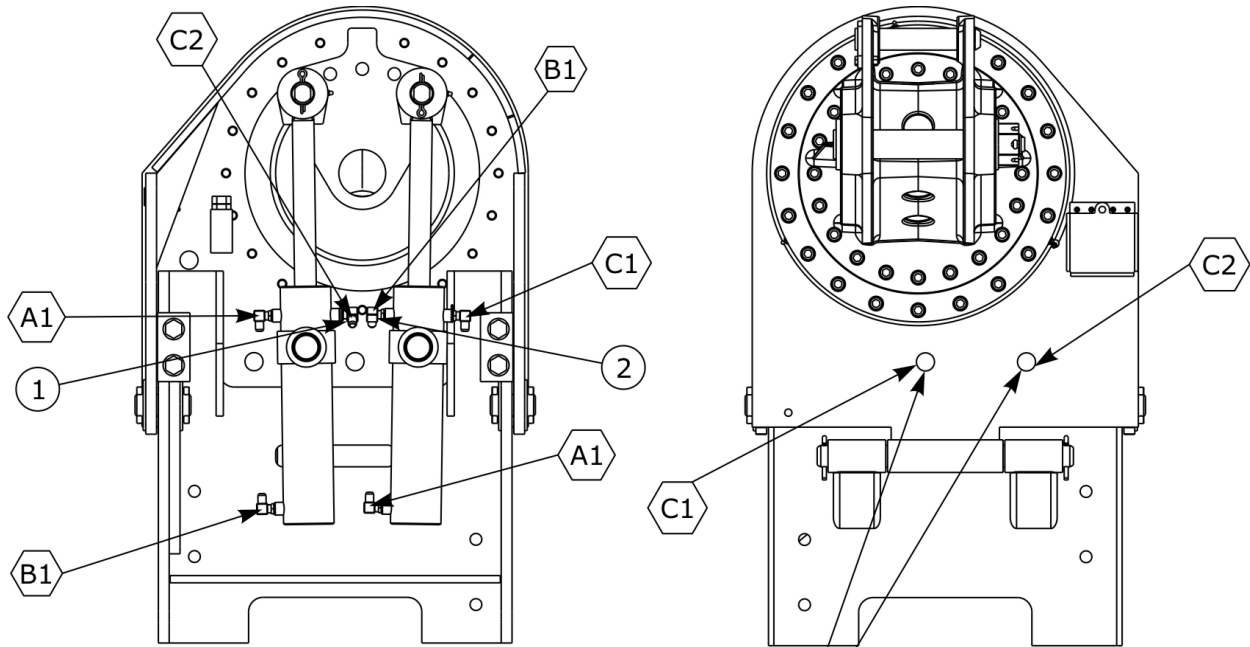


## HOSE ROUTING - 28FT TELESCOPING BOOM (NOTES)

Item	Part Number	Description	Function	Routing
1	02983188	#6-6FJX-6MJ-126LG	DIPPER CYL BLUE	Attach end to K. Route hose down front side Lift and behind shield
2	02983189	#6-6FJX-6MJ-126LG	DIPPER CYL BLUE/WHITE	Attach end to L. Route hose down front side Lift and behind shield
3	02983190	#6-6FJX-6MJ-102LG	TILT RED (DIPPER)	Attach end to Item 9. Route hose down front side Lift and behind shield
4	02983191	#6-6FJX-6MJ-102LG	TILT RED/WHITE (DIPPER)	Attach end to Item 10. Route hose down front side Lift and behind shield
5	02983192	#4-4FJX-4MJ-102LG	DOOR YELLOW (DIPPER)	Attach end to Item 11. Route hose down front side Lift and behind shield
6	02983193	#4-4FJX-4MJ-102LG	DOOR YELLOW/WHITE (DIPPER)	Attach end to Item 12. Route hose down front side Lift and behind shield
7	02983505	#4-4FJX-4MJ-102LG	SWIVEL GREEN (DIPPER)	Attach end to Item 13. Route hose down front side Lift and behind shield
8	02983506	#4-4FJX-4MJ-102LG	SWIVEL GREEN/WHITE (DIPPER)	Attach end to Item 14. Route hose down front side Lift and behind shield
9	02985994	#6-6FJX-6MJ-168LG	TILT RED (DIPPER)	Attach end to I. Route hose through Dipper up to Lift
10	02985995	#6-6FJX-6MJ-168LG	TILT RED/WHITE (DIPPER)	Attach end to J. Route hose through Dipper up to Lift
11	02985990	#4-4FJX-4MJ-184LG	DOOR YELLOW (DIPPER)	Attach end to E. Route hose through Dipper up to Lift
12	02985991	#4-4FJX-4MJ-184LG	DOOR YELLOW/WHITE (DIPPER)	Attach end to F. Route hose through Dipper up to Lift
13	02985992	#4-4FJX-4MJ-184LG	SWIVEL GREEN (DIPPER)	Attach end to H. Route hose through Dipper up to Lift
14	02985993	#4-4FJX-4MJ-184LG	SWIVEL GREEN/WHITE (DIPPER)	Attach end to G. Route hose through Dipper up to Lift
15	02985996	#16-16FJX-16FJX90-164LG	MOTOR PRESSURE RED	Attach ends to steel tubes A and C
16	02985997	#16-16FJX-16FJX90-161LG	MOTOR RETURN ORANGE	Attach ends to steel tubes B and D
17	02985988	#6-6FJX-6MJ-168LG	EXTENSION YELLOW	Attach end to M, route hose through Dipper up to lift and down front side of lift and behind shield
18	02985989	#6-6FJX-6MJ-168LG	EXTENSION YELLOW/WHITE	Attach end to N, route hose through Dipper up to lift and down front side of lift and behind shield

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983188	1	HOSE, DIPPER CYL (BLUE)
2	02983189	1	HOSE, DIPPER CYL (BLUE/WHITE)
3	02983190	1	HOSE, TILT (RED)
4	02983191	1	HOSE, TILT (RED/WHITE)
5	02983192	1	HOSE, DOOR (YELLOW)
6	02983193	1	HOSE, DOOR (YELLOW/WHITE)
7	02983505	1	HOSE, SWIVEL (GREEN)
8	02983506	1	HOSE, SWIVEL (GREEN/WHITE)
9	02985994	1	HOSE, TILT (RED)
10	02985995	1	HOSE, TILT (RED/WHITE)
11	02985990	1	HOSE, DOOR (YELLOW)
12	02985991	1	HOSE, DOOR (YELLOW/WHITE)
13	02985992	1	HOSE, SWIVEL (GREEN)
14	02985993	1	HOSE, SWIVEL (GREEN/WHITE)
15	02985996	1	HOSE, MOTOR PRESSURE (RED)
16	02985997	1	HOSE, MOTOR RETURN (ORANGE)
17	02985988	1	HOSE, EXTENSION (YELLOW)
18	02985989	1	HOSE, EXTENSION (YELLOW/WHITE)
	02986125	1	CORDURA SLEEVING 3.25 ID 156" LG
	02986126	1	CORDURA SLEEVING 2.54 ID 156" LG
	02986127	1	CORDURA SLEEVING 1.81 ID 20" LG
	02986128	1	CORDURA SLEEVING 1.81 ID 32" LG
	000859	12	TIE, PLASTIC

## HOSE ROUTING - SWING CYL (18-22 FT BOOM)



NOTE: MALE JIC HOSE END TO EXTEND UP THRU HOLES

### HOSE ROUTING CHART

P/N	END1	END2
02981825	A1	A1
02981825	B1	B1
02981826	C1	C1
02981827	C2	C2

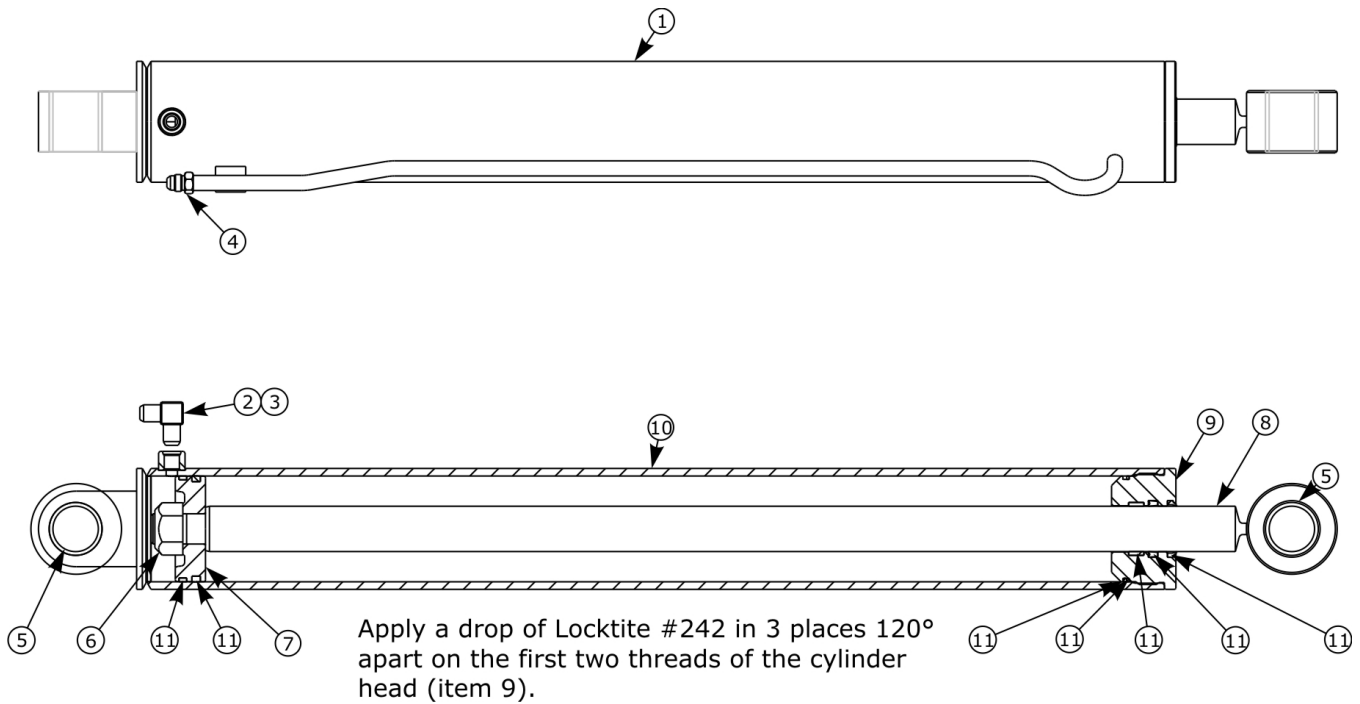
### GREASE LINE ROUTING CHART

P/N	END1	END2
02983024	F1	F2
02983026	G1	G2
02983025	H1	H2
02983026	J1	J2

ITEM	PART NO.	QTY.	DESCRIPTION
A1	02981825	1	HOSE #6-6FJX-6FJX-28LG
B1	02981825	1	HOSE #6-6FJX-6FJX-28LG
C1	02981826	1	HOSE #6-6FJX-6MJ-22LG
C2	02981827	1	HOSE #6-6FJX-6MJ-16LG
F1	02983024	1	LINE,GREASE,MANIFOLD,SHORT
G1	02983026	1	LINE,GREASE,MANIFOLD,LONG
H1	02983025	1	LINE,GREASE,MANIFOLD,MED
J1	02983026	1	LINE,GREASE,MANIFOLD,LONG

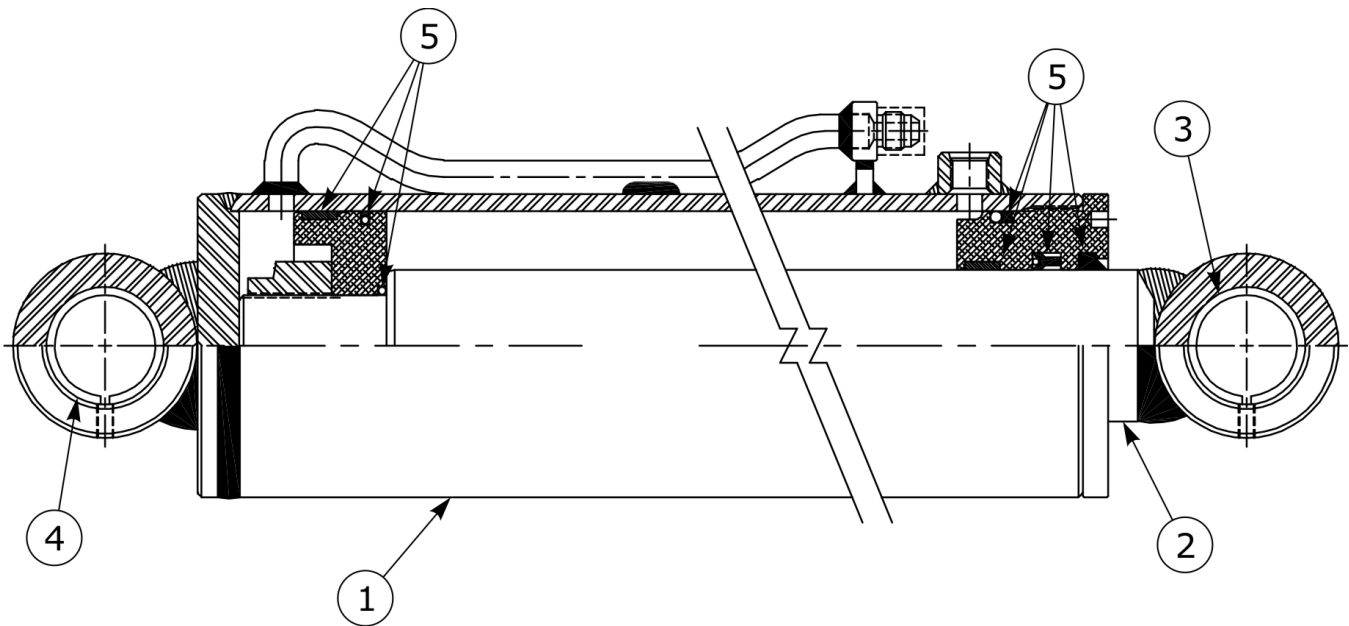


## HYD CYL ASY - DIPPER (18 FT BOOM)



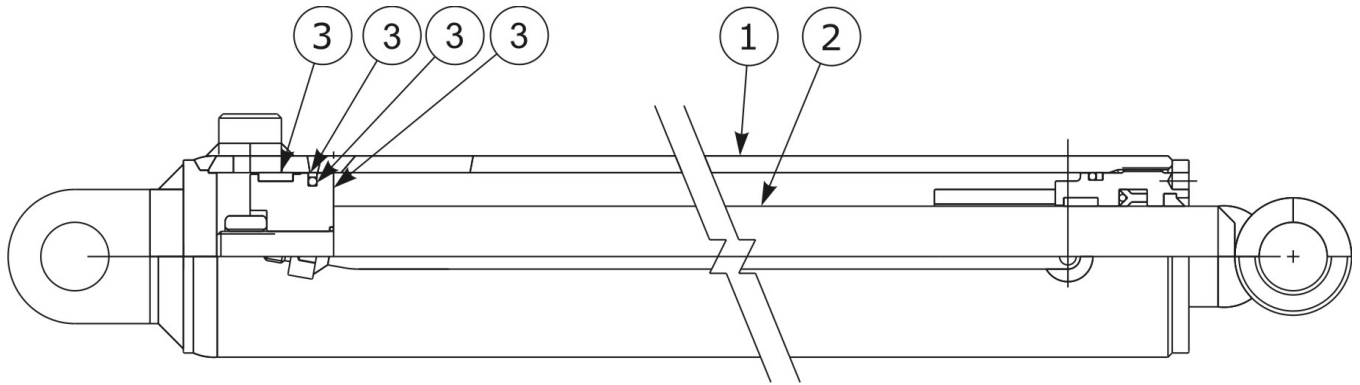
ITEM	PART NO.	QTY.	DESCRIPTION
	02979920	1	DIPPER CYLINDER ASY.
1	02979784	1	CYLINDER HEAD
2	63149100	1	ADAPTER, ELBOW
3	02968830	1	PLASTIC TIE - W/ BLUE TIE
4	02968831	1	PLASTIC TIE - W/ BLUE / WHITE TIE
5	02968803	2	BUSHING
6	5JRC16140	1	LOCKNUT
7	00002625	1	PISTON
8	02978823	1	ROD WLDMT
9	02979947	1	CYLINDER HEAD
10	02979924	1	TUBE / BARREL WLDMT
11	02975531	1	SEAL KIT

## HYD CYL ASY - DIPPER (22 FT BOOM)



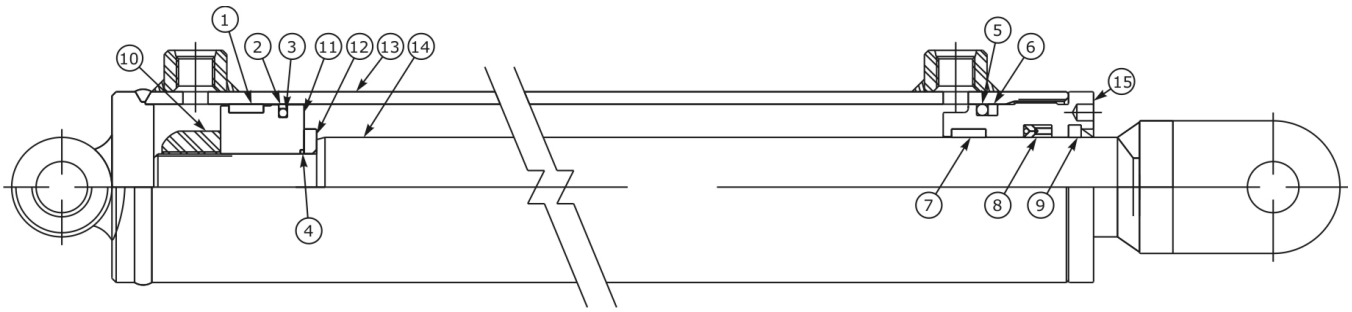
ITEM	PART NO.	QTY.	DESCRIPTION
	02981277	1	HYD CYL ASY, 4" BORE X 21.5" STROKE (22 & 25 FT BOOM)
1	02981925	1	BARREL WLDMT
2	02981926	1	ROD WLDMT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

## HYD CYL ASY - EXTENSION (28FT TELESCOPING BOOM)



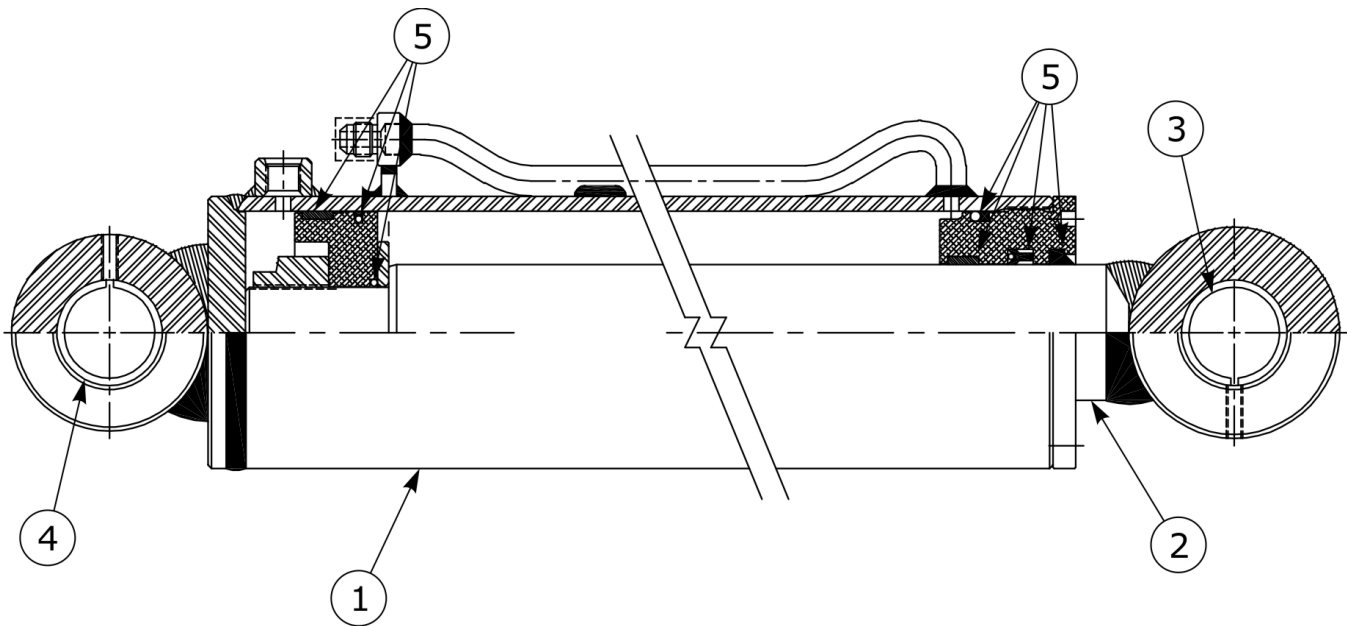
ITEM	PART NO.	QTY.	DESCRIPTION
	02981276	1	CYLINDER, 2.5B X 1.5R X 36.0S
1	02981923	1	BARREL ASSEMBLY, 02981276
2	02981924	1	ROD ASSEMBLY
3	02982067	1	SEAL KIT

## HYD CYL ASY - HEAD SWIVEL



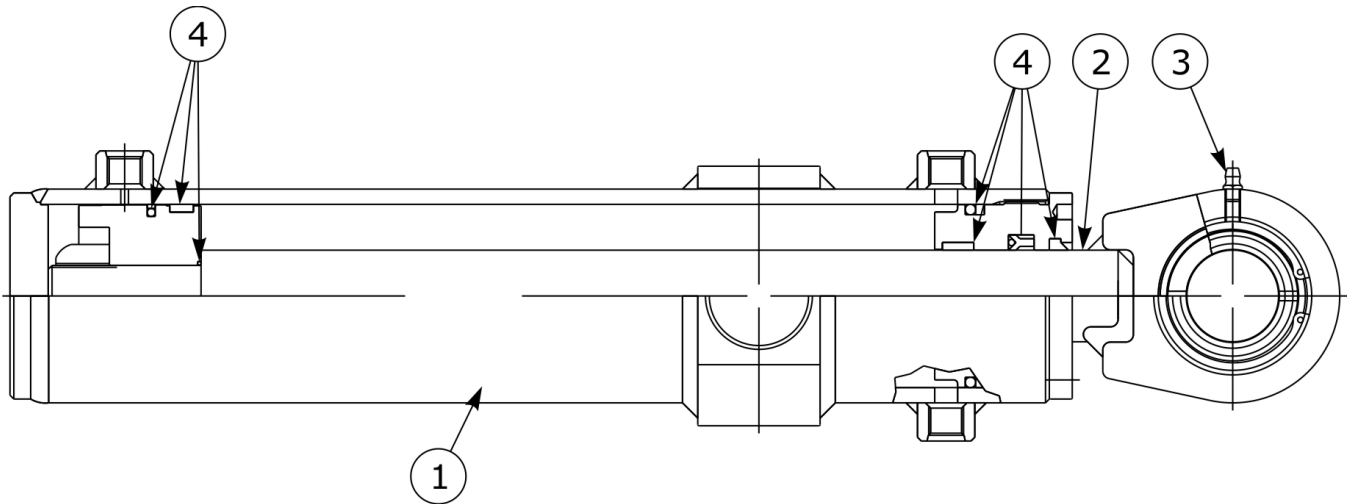
ITEM	PART NO.	QTY.	DESCRIPTION
	02981315	1	HYD CYL ASY, HEAD SWIVEL (OPTIONAL)
1	-----	1	WEAR RING, (SEE SEAL KIT)
2	-----	1	BACK-UP RING, (SEE SEAL KIT)
3	-----	1	O-RING, (SEE SEAL KIT)
4	-----	1	O-RING, (SEE SEAL KIT)
5	-----	1	O-RING, (SEE SEAL KIT)
6	-----	1	BACK-UP RING, (SEE SEAL KIT)
7	-----	1	WEAR RING, (SEE SEAL KIT)
8	-----	1	LOADED U-CUP, (SEE SEAL KIT)
9	-----	1	ROD WIPER, (SEE SEAL KIT)
10	-----	1	LOCKNUT, (NON-SALEABLE)
11	-----	1	PISTON, (NON-SALEABLE)
12	-----	1	PISTON WASHER, (NON-SALEABLE)
13	02981935	1	BARREL WLDMT
14	02981934	1	ROD WLDMT
15	-----	1	INTERNAL HEAD, (NON-SALEABLE)
16	02982072	1	SEAL KIT (ITEMS 1 THRU 9)

## HYD CYL ASY - LIFT (18-22 FT BOOM)



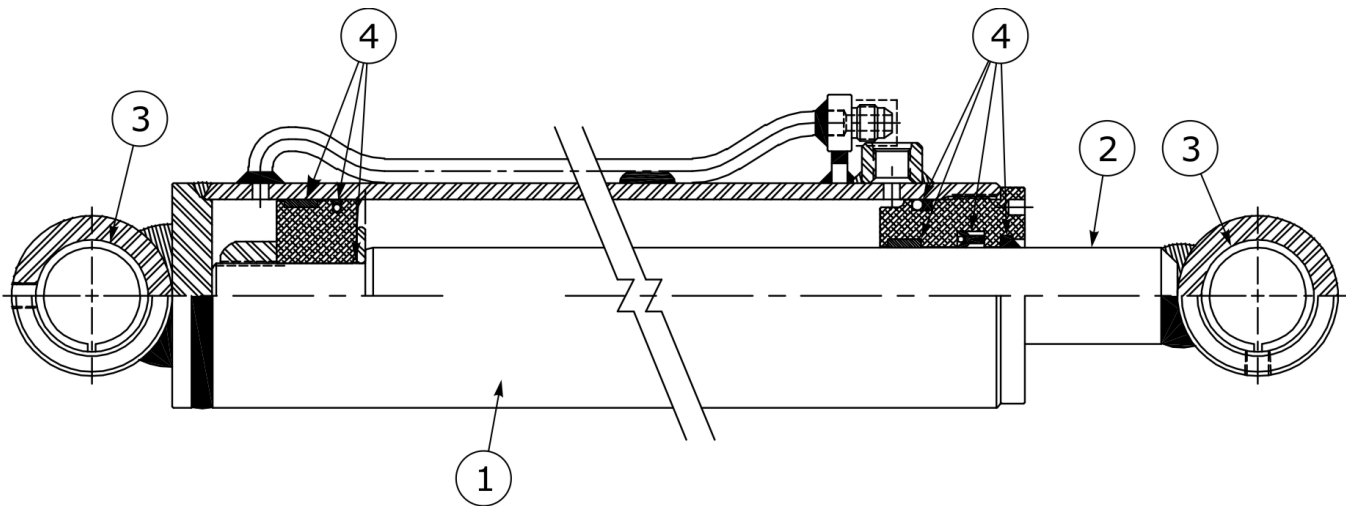
ITEM	PART NO.	QTY.	DESCRIPTION
	02981279	1	CYLINDER ASY, 4" BORE X 24.63" STROKE
1	02981929	1	BARREL WLDMT
2	02981930	1	ROD WLDMT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

## HYD CYL ASY - SWING W/ SPHERICAL ROD END



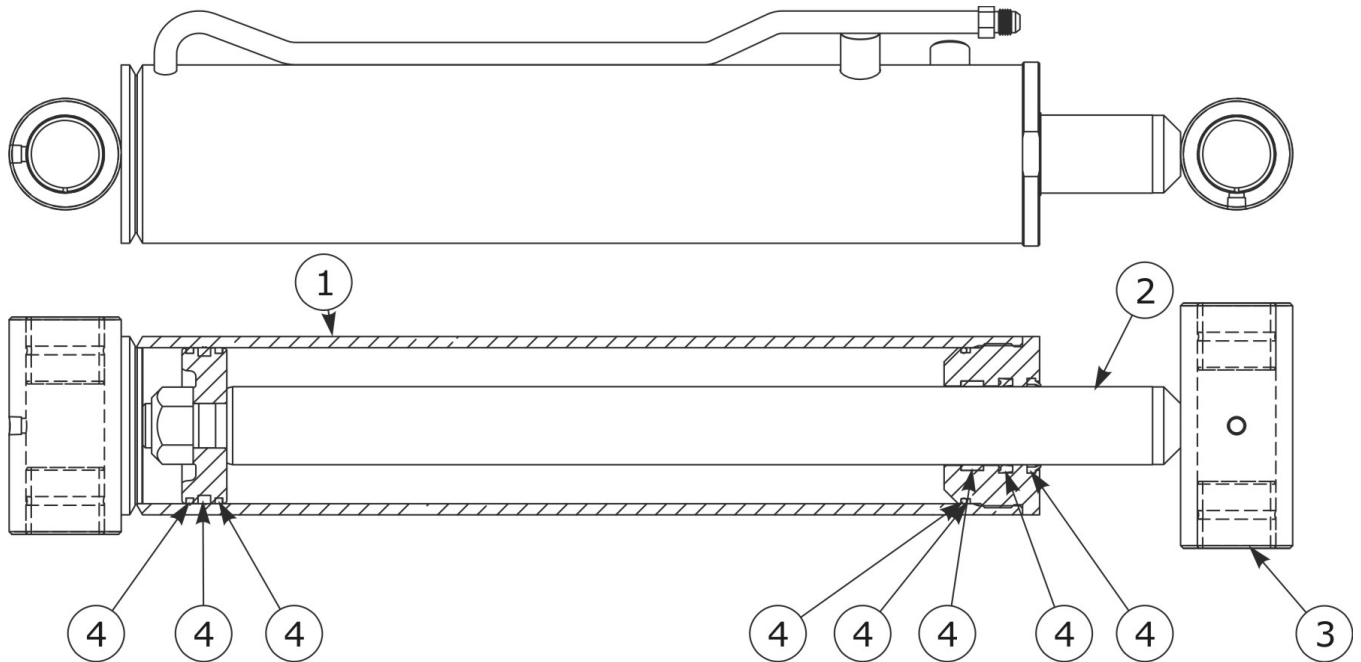
ITEM	PART NO.	QTY.	DESCRIPTION
	02981275A	1	HYD CYL ASY, SWING CYL (W/ SPHERICAL ROD END)
1	02981921	1	BARREL WELDMENT
2	02981922A	1	ROD ASY (W/ SPHERICAL ROD END)
3	00752670	1	GREASE FITTING
4	02982066	1	SEAL KIT

## HYD CYL ASY - TILT (18-22 FT BOOM)



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

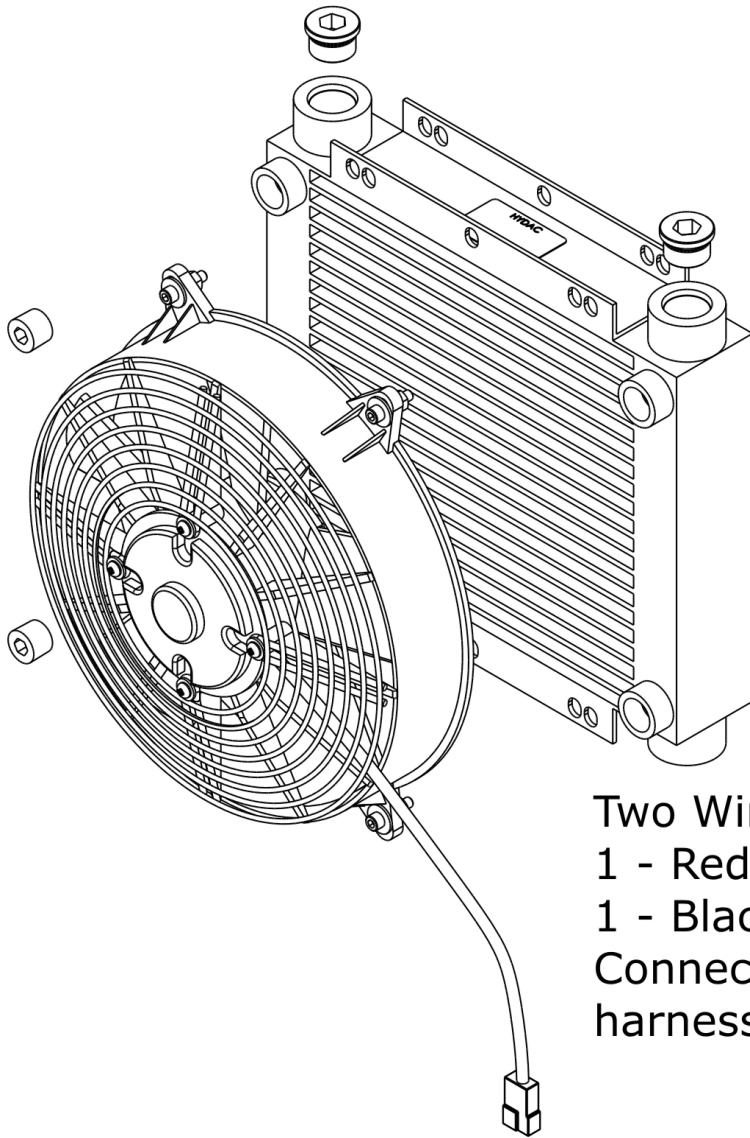
## HYD CYL ASY - TILT (28FT TELESCOPING BOOM)



ITEM	PART NO.	QTY.	DESCRIPTION
	02984944	1	CYLINDER, 3.5B X 1.75R X16S
1	02986266	1	BARREL WLD`MT
2	02986287	1	ROD WLD`MT
3	02982250	2	BUSHING ROD END 1-1/2" LG
4	02986288	1	SEAL KIT



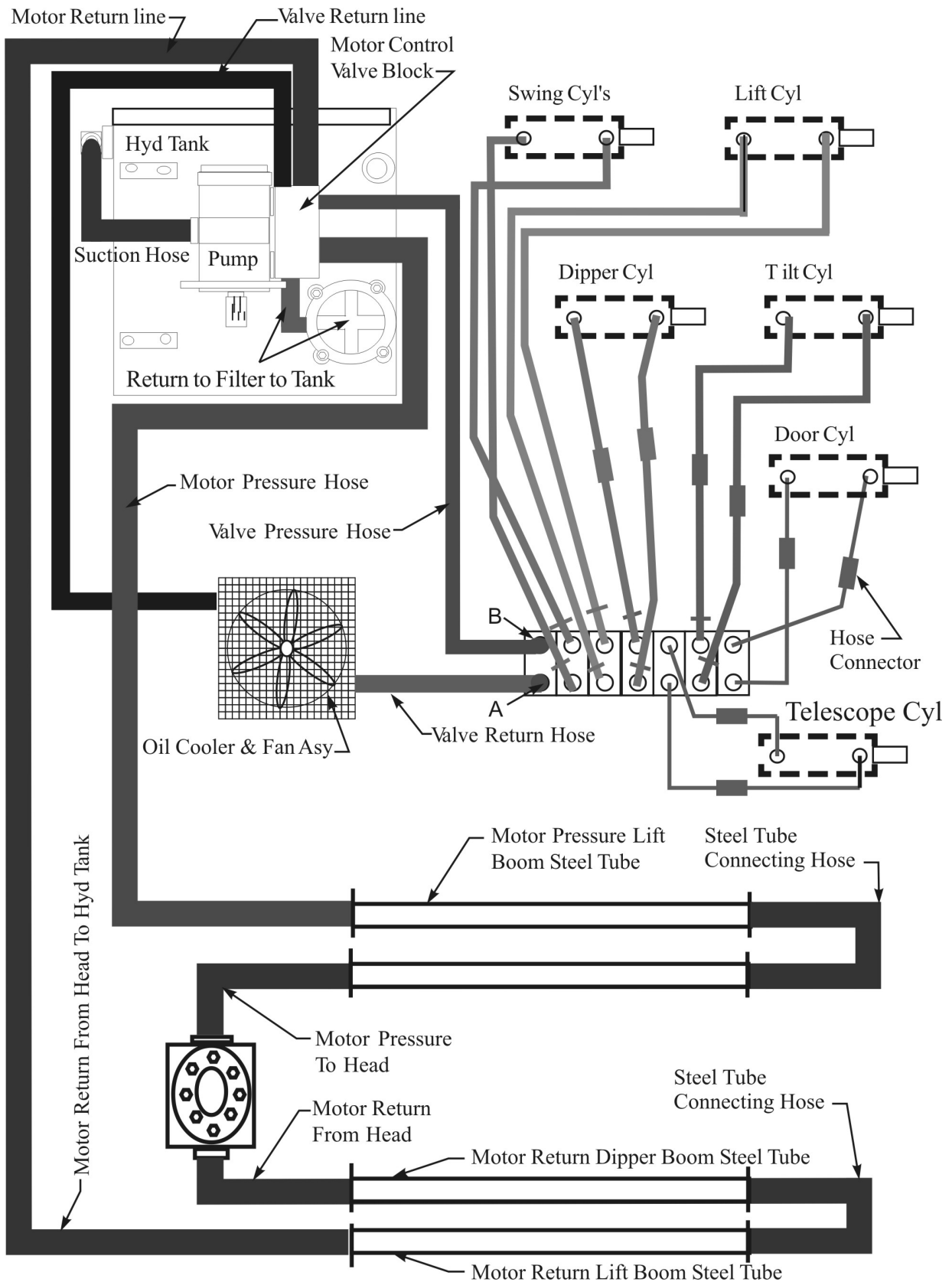
## HYD OIL COOLER & FAN ASY



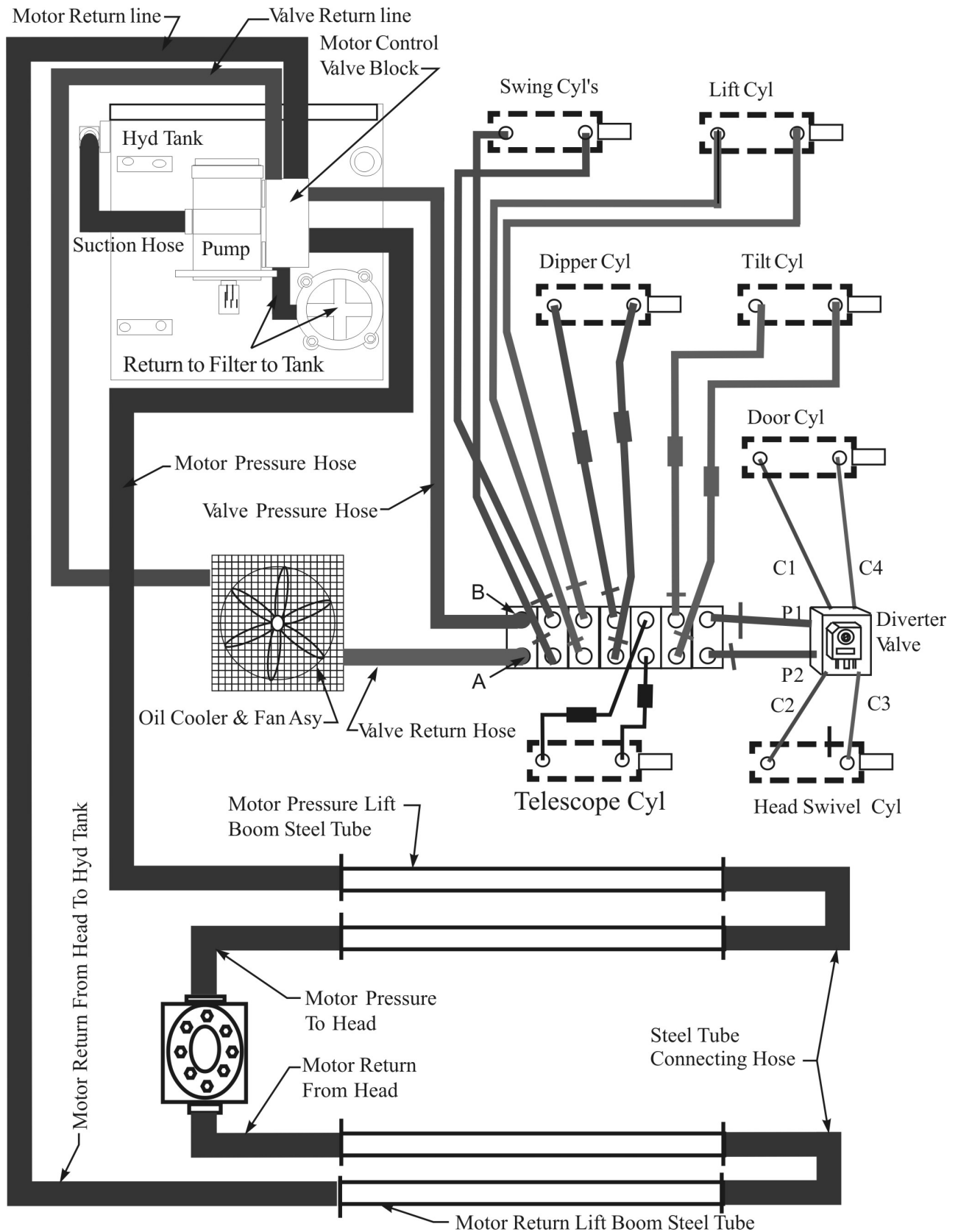
Two Wires in plug  
1 - Red Wire + Connection  
1 - Black Wire - Connection  
Connects to exterior wire  
harness

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

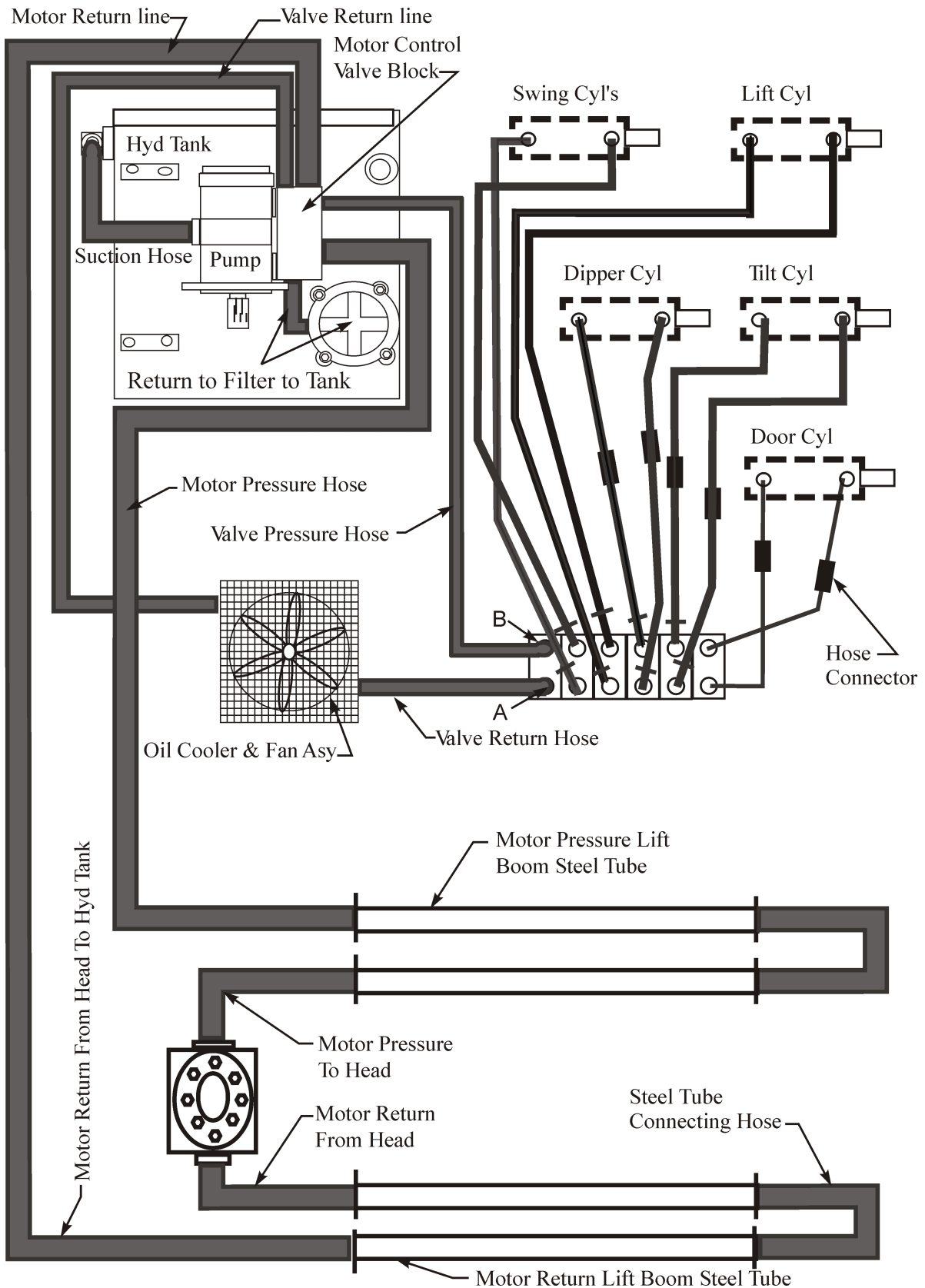
# HYD SCHEMATIC - SOLID MNT HEAD (OPT) 28FT TELESCOPING BOOM



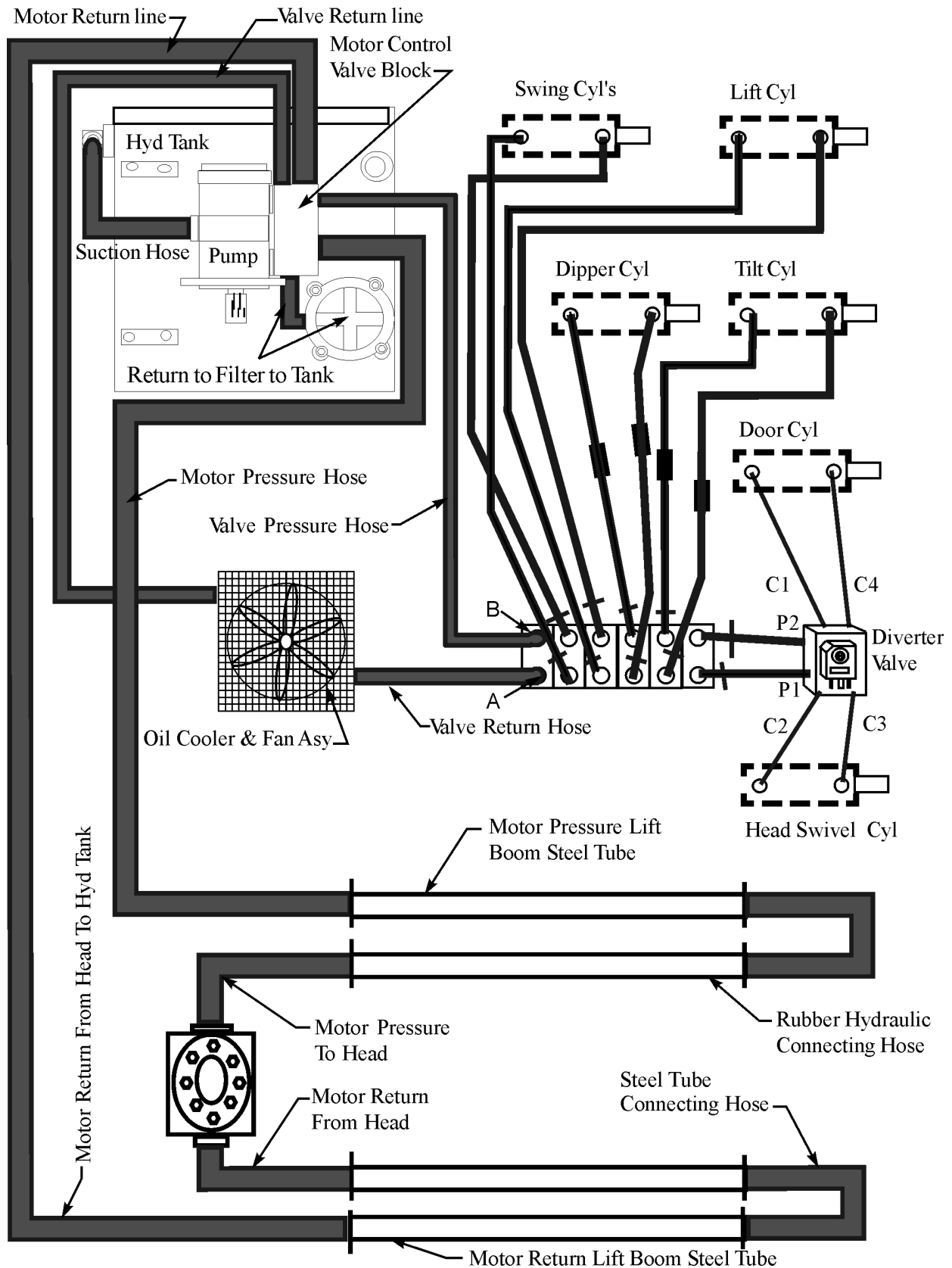
# HYD SCHEMATIC - SWIVEL MNT HEAD (OPT) 28FT TELESCOPING BOOM



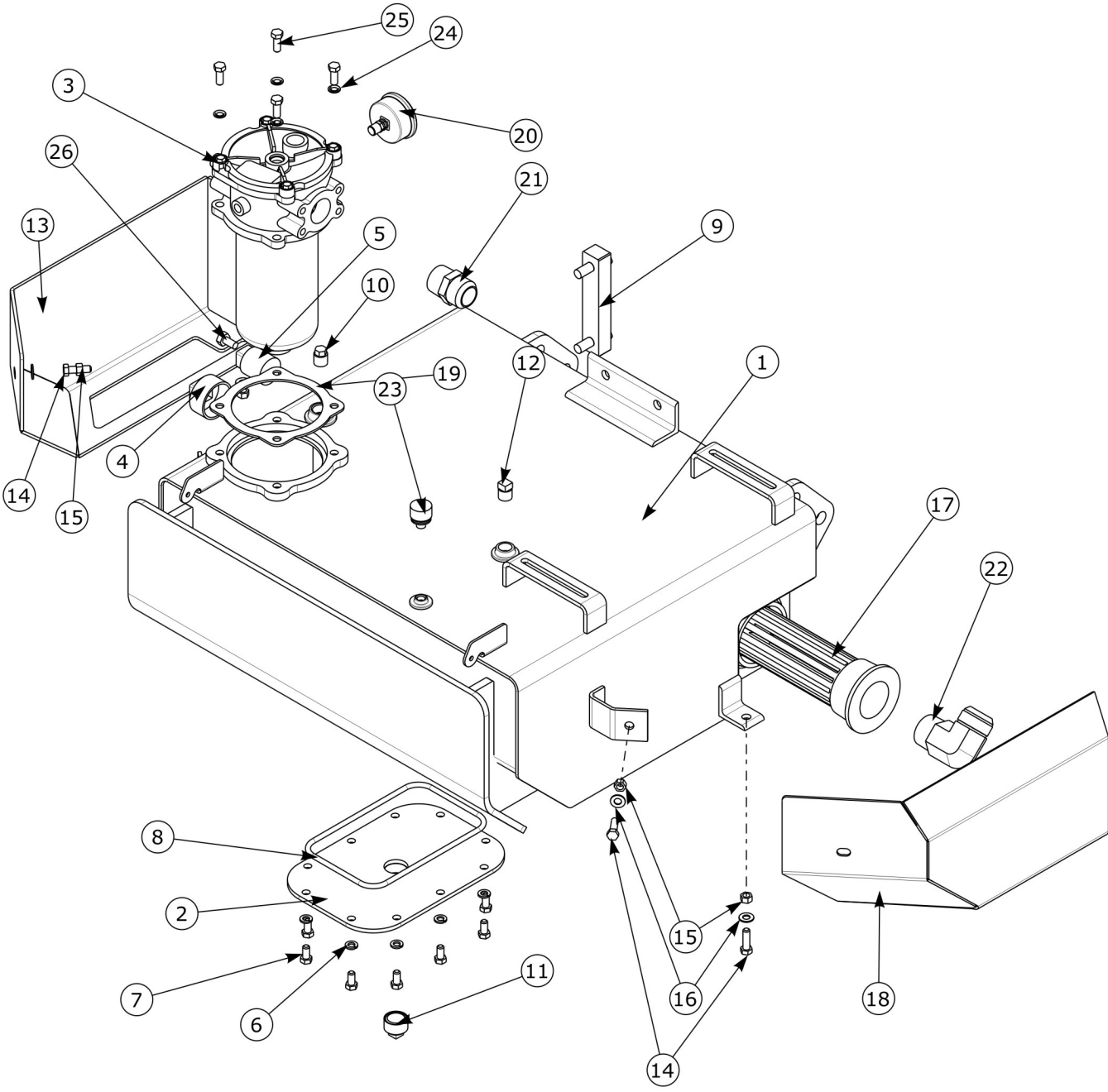
# HYD SCHEMATIC - SOLID MNT HEAD (STD) - 18-22 FT BOOM



# HYD SCHEMATIC - SWIVEL MNT HEAD (OPT) - 18-22 FT BOOM



HYD TANK SUB-ASY

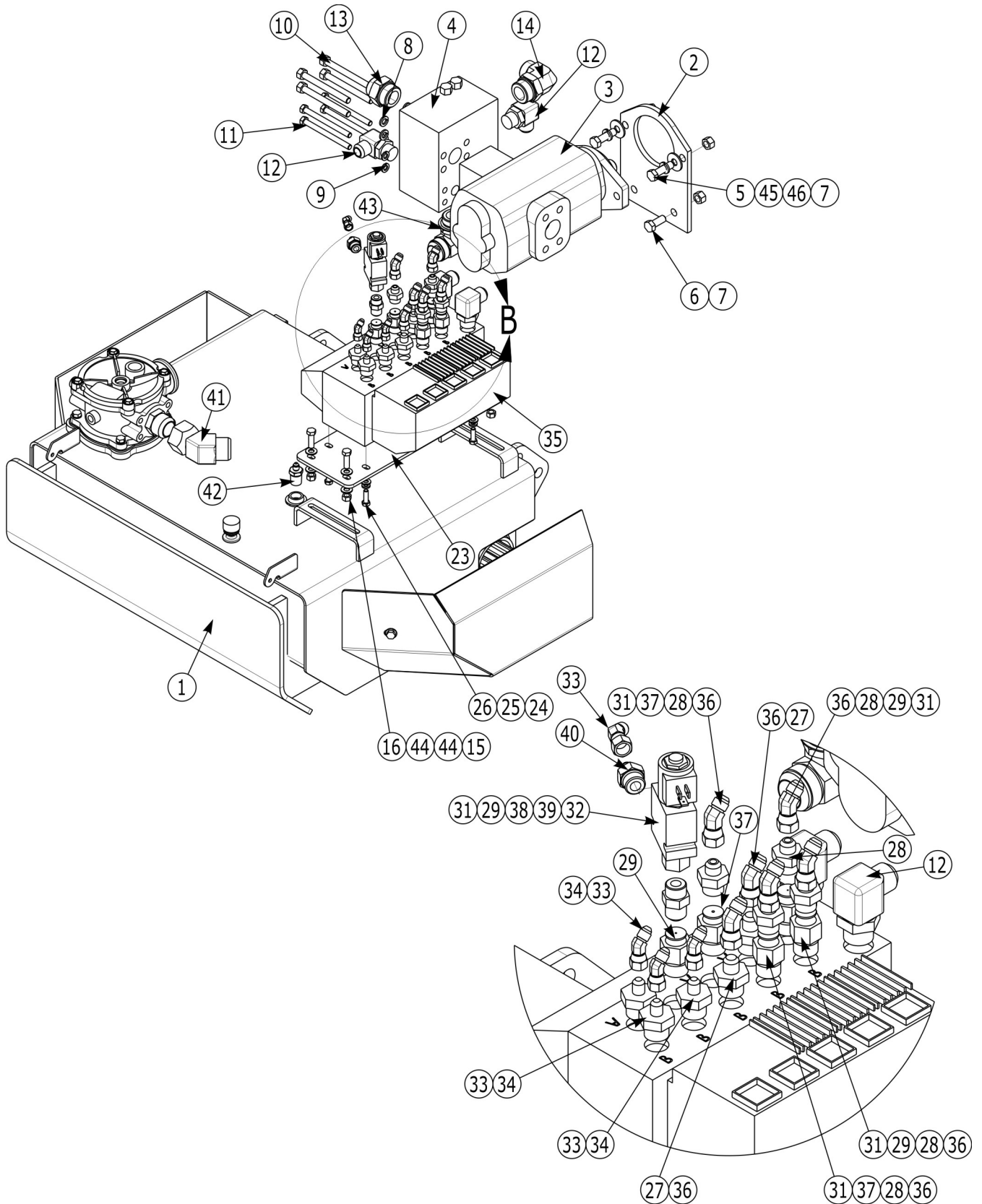


## HYD TANK SUB-ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02982882	1	SUB-HYDRAULIC TANK ASSEMBLY
1	02989139	1	TANK, WLDMT, HYD, DUAL PUMP
2	02981413	1	WELDMENT, COVER, CLEANOUT
3	02964748	1	FILTER ASSEMBLY, MODIFIED
4	02982884	1	PIPE PLUG 2"
5	02979618	1	PIPE PLUG 1-1/4"
6	00012101	10	LOCKWASHER, 3/8" PL
7	00002000	10	HHCS 3/8 NC 3/4 PL5
8	02981400	1	O-RING, CLEANOUT SEAL
9	02968880	1	GAUGE, TEMP LEVEL INDICATOR
10	0221900	1	PIPE PLUG 3/4"
11	02963659	1	PLUG, MAGNETIC 1" NPT
12	00749508	1	PLUG 1/2" NPT
13	02981386	1	ASY, SHIELD FORMED
14	00753642	4	HHCS 3/8 NC 1-1/4 PL5
15	00015800	4	LOCKNUT TLM 3/8 NC PLC
16	00011100	4	FLATWASHER 3/8 STD
17	02982847	1	STRAINER, SUCTION 3 WITH 2 OUTLET
18	02982871	1	DRIVER SIDE COVER WELDMENT
19	02963662	1	GASKET, FILTER ASY, FIBER
20	02962963	1	DIAL INDICATOR - IN TANK FILTER
21	02960809	1	ADP, HYD STGHT 20MP-20MJ
22	02982990	1	HYD, ELBOW 32 MP - 24 MJ 90
23	02983078	1	NYLON BREATHER FILTER NY-4
24	02962864	4	WASHER, SEALING 3/8
25	00011400	4	BOLT, HHCS 3/8 NC 1 PL5
26	02983378	1	HHCS M10-P1.0-20MM

# HYD TANK W-PUMP & ELECT VALVE ASY - 18-22 FT BOOM



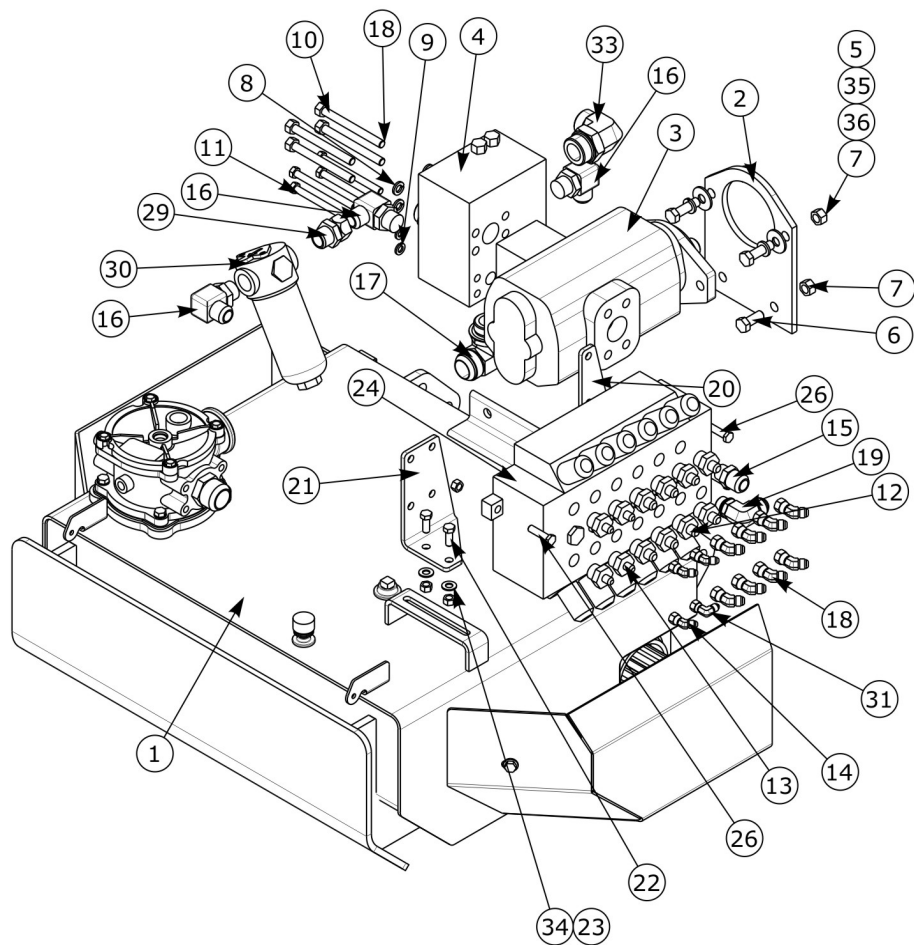
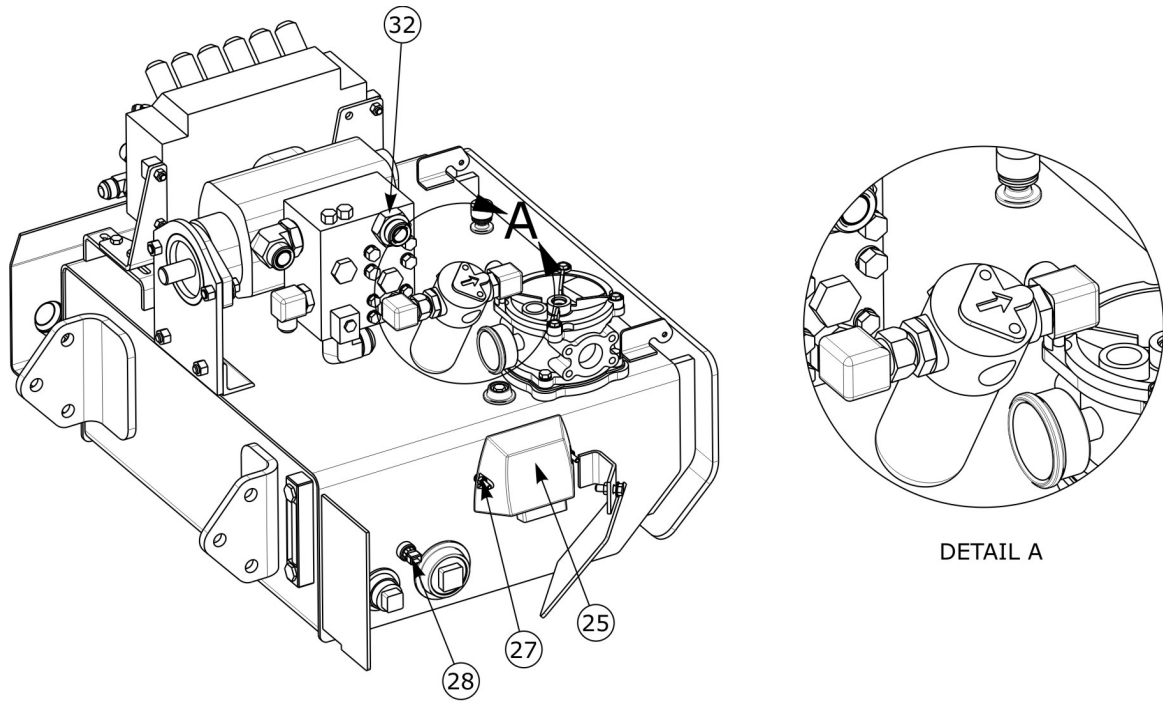


## HYD TANK W-PUMP & ELECT VALVE ASY - 18-22 FT BOOM

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986578	1	ASY, TANK & ELEC VALVE AX2
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02985600	1	FRT PUMP ASY - TANDEM
4	02983736	1	CUTTER BLOCK, AXTREME 28
5	02891800	2	HHCS 1/2 NC 1-3/4 PL8
6	02776600	2	HHCS 1/2 NC X 1 1/4 PL8
7	00001800	4	LOCKNUT TLM 1/2 NC PLB
8	00022200	4	HIGH ALLOY, L/W 7/16 YZ
9	00012101	4	LOCKWASHER, 3/8" PL
10	02970451	4	HHCS 7/16 NC 4-1/2 PL8
11	02972565	4	HHCS 3/8 NC 4-1/2 PL5
12	02090800	4	ADP, HYD ELBOW 12MB - 12MJ 90
13	02961006	1	ADP 20MB-16MJ
14	03200298	1	ADP 20MB-16MJ 90°
15	00753642	4	HHCS 3/8 NC 1-1/4 PL5
16	00015800	4	LOCKNUT TLM 3/8 NC PLC
23	02983892	1	PLATE, ADP, PVG32
24	00023500	4	FLATWASHER 5/16, TYPE AW, ZP
25	00011700	4	HIGH ALLOY, L/W 5/16 YZ KG
26	10119000	4	HHCS 5/16 NC 1 PL5
27	02972177	2	ADP, HYD ST 10MB - 6MJ
28	02968850	4	ADP, HYD ST 8MB-6MJ
29	02969398	3	ORIFICE, .055 RESTRICTOR
31	02972113	5	ADP, HYD 10MB - 8FB
32	02972208A	1	ASY, VALVE SOLENOID
33	02976532	4	ADP, HYD, 4MJ-4FJX 45
34	02972179	3	ADP, HYD ST 10MB - 4MJ
35	02971379	1	VALVE, PVG32 O-CTR
36	02976531	6	ADP HYD ELBOW 6MJ-6FJX 45
37	02988583	2	ORIFICE, .094 RESTRICTOR
38	00696800	1	ADP HYD STGHT 8MB-8MJ
39	02975438	1	ADP, HYD STGHT 8FJX-8MB
40	02822300	1	ADP, HYD ST 8MB-4MJ
41	02960411	1	ADP. HYD 20MJ - 20FJX 45
42	02957691	1	ADP HYD STGHT 4MJ-8MP
43	02961098	1	20 MB - 20 MJ 90°
44	00011100	8	FLATWASHER 3/8 STD
45	00001300	2	HIGH ALLOY, L/W 1/2 YZ KG
46	00759635	2	FLATWASHER, 1/2 HARDENED

# HYD TANK W-PUMP & ELECT VALVE ASY 28FT TELESCOPING BOOM



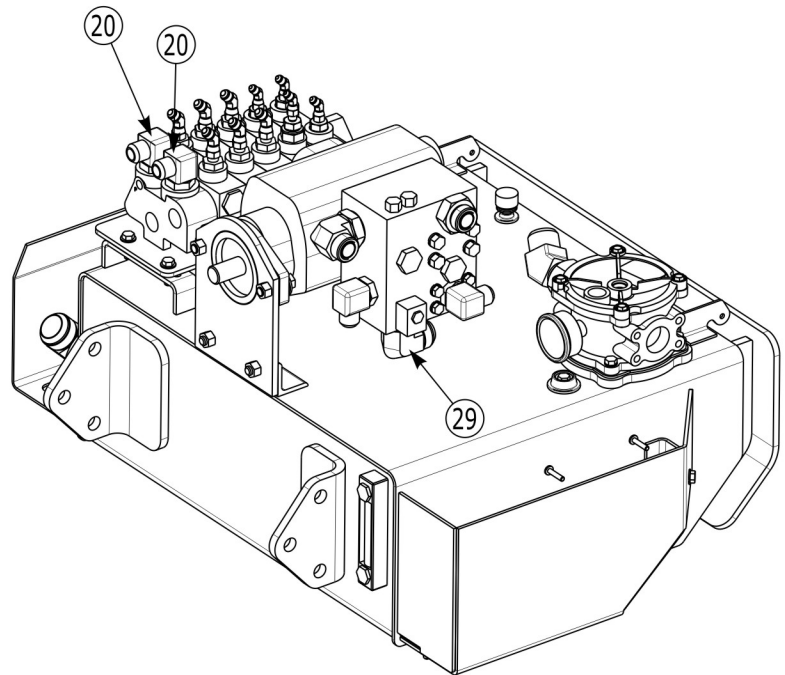
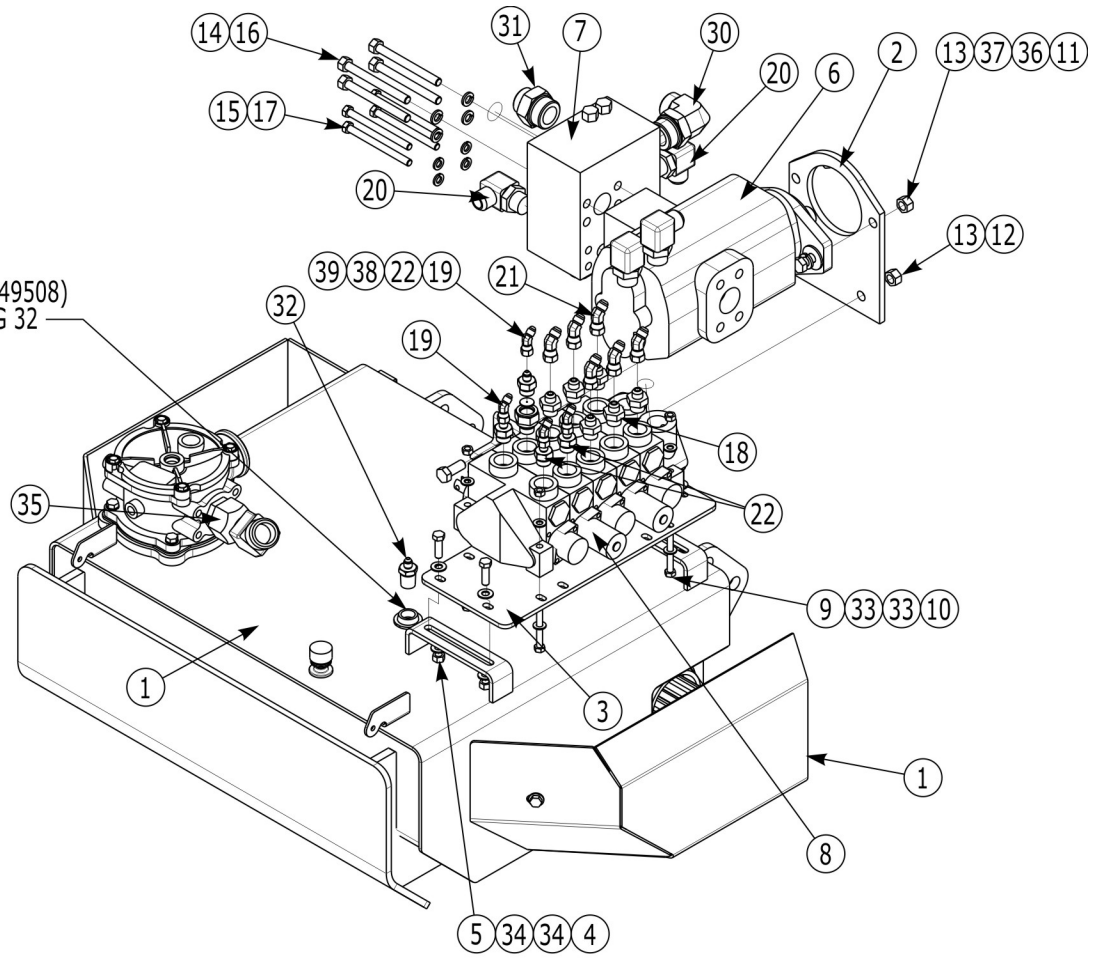
## HYD TANK W-PUMP & ELECT VALVE ASY 28FT TELESCOPING BOOM

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986053	1	ASY, TANK, ELECVALVE, AXT28
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02985600	1	FRT PUMP ASY - TANDEM
4	02983736	1	CUTTER BLOCK, AXTREME 28
5	02891800	2	HHCS 1/2 NC 1-3/4 PL8
6	02776600	2	HHCS 1/2 NC X 1 1/4 PL8
7	00001800	4	LOCKNUT TLM 1/2 NC PLB
8	00022200	4	HIGH ALLOY, L/W 7/16 YZ
9	00012101	4	LOCKWASHER, 3/8" PL
10	02970451	4	HHCS 7/16 NC 4-1/2 PL8
11	02972565	4	HHCS 3/8 NC 4-1/2 PL5
12	02972177	8	ADP, HYD ST 10MB - 6MJ
13	02972179	4	ADP, HYD ST 10MB - 4MJ
14	02976532	3	ADP, HYD, 4MJ-4FJX 45
15	00773923	1	ADP, HYD ST 10MB - 12MJ
16	02090800	3	ADP, HYD ELBOW 12MB - 12MJ 90
17	02961098	1	20 MB - 20 MJ 90°
18	02976531	8	ADP HYD ELBOW 6MJ-6FJX 45
19	02983377	1	ADAPTER, 12MJ-10MB90
20	02985938	1	PLATE, ELECTRO VALVE MOUNT, REAR
21	02985937	1	PLATE, ELECTRO VALVE MOUNT, FRONT
22	00011400	4	BOLT, HHCS 3/8 NC 1 PL5
23	00015800	7	LOCKNUT TLM 3/8 NC PLC
24	02985262	1	VALVE, ELECTROHYDRAULIC P70
25	02986475	1	ASY, MODULE AND PROGRAM AX28T
26	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
27	02959924	2	NUT, TOPLOCK 1/4 NC PLB
28	02981412	1	SENSOR, TEMPERATURE
29	02964135	1	ADP, HYD ELBOW 12MB - 12FJX
30	02985280	1	FILTER ASY, PRESSURE, VISU IND
31	02962022	1	ADP HYD ELBOW 4MJ-4FJX90
32	02961006	1	ADP 20MB-16MJ
33	03200298	1	ADP 20MB-16MJ 90°
34	00011100	4	FLATWASHER 3/8 STD
35	00001300	2	HIGH ALLOY, L/W 1/2 YZ KG
36	00759635	2	FLATWASHER, 1/2 HARDENED

# HYD TANK W-PUMP & MAN VALVE ASY - 18-22 FT BOOM

REMOVE PLUG (00749508)  
BEFORE INSTALLING 32

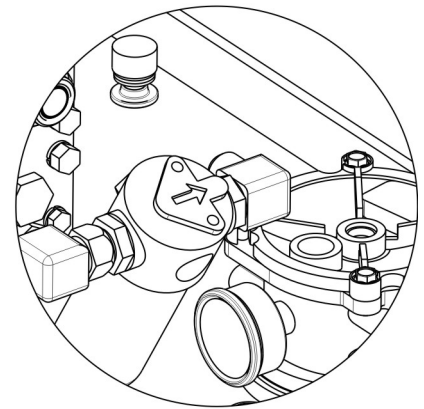
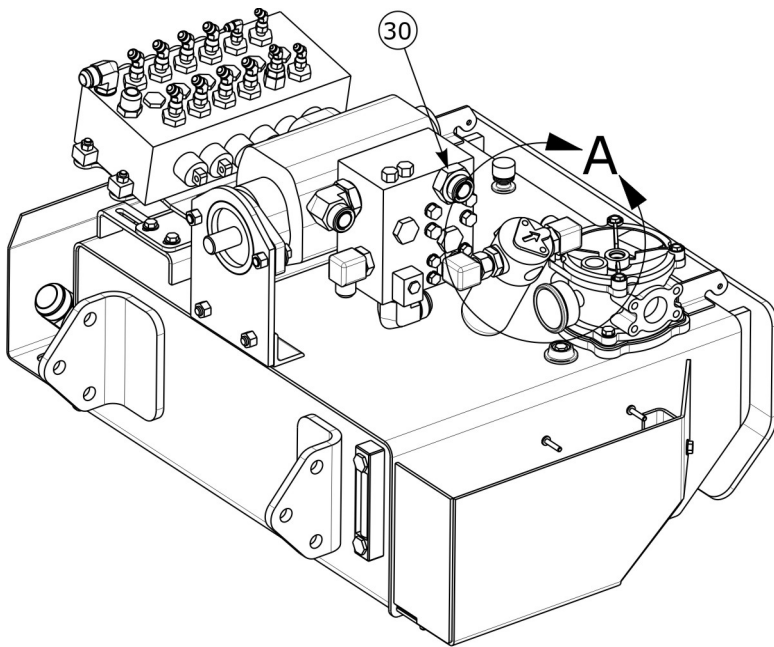


## HYD TANK W-PUMP & MAN VALVE ASY - 18-22 FT BOOM

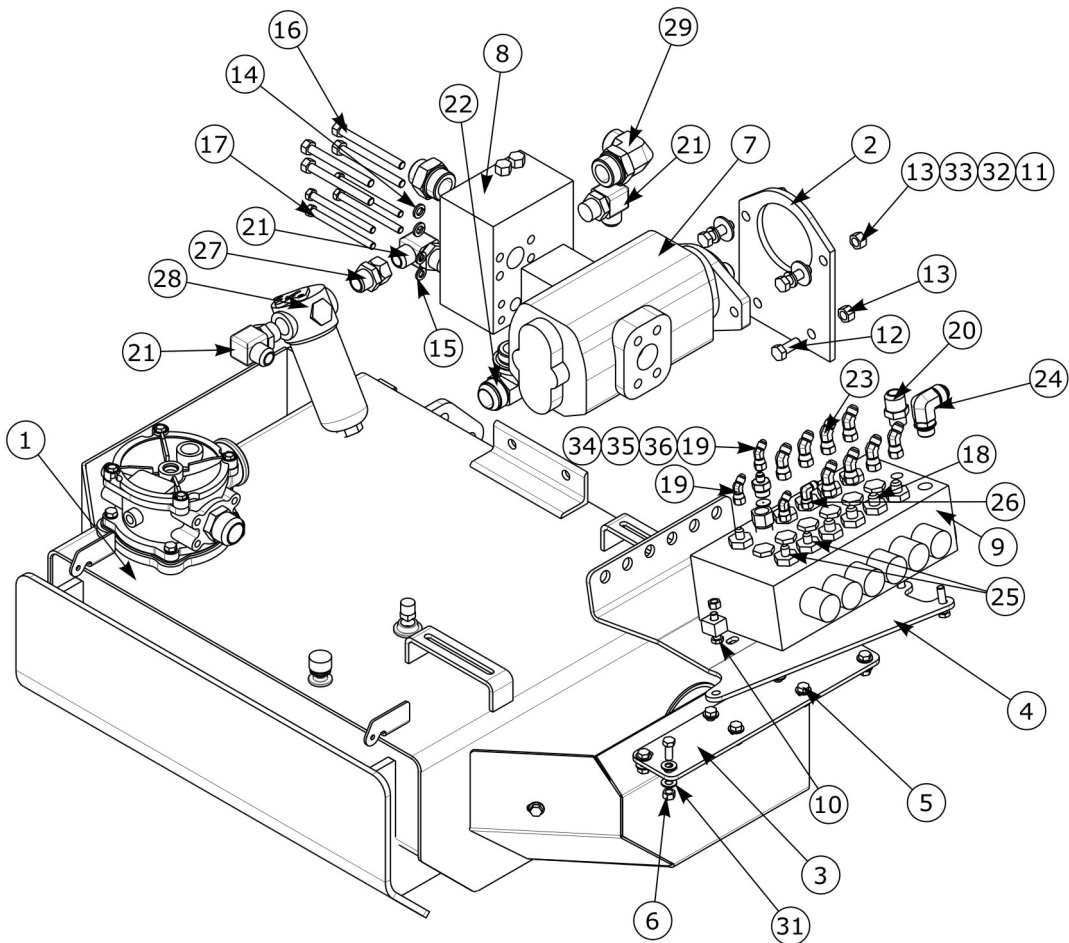
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986577	1	ASY, TANK & MAN VALVE AX2
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02987519	1	VALVE MOUNT PLATE
4	00753642	4	HHCS 3/8 NC 1-1/4 PL5
5	00015800	4	LOCKNUT TLM 3/8 NC PLC
6	02985600	1	FRT PUMP ASY - TANDEM
7	02983736	1	CUTTER BLOCK, AXTREME 28
8	02987538	1	VALVE DIR CTRL 5-SPOOL
9	02044900	3	BOLT, HHCS 5/16" X 2-3/4" LG
10	00750940	3	NUT, TOPLOCK 5/16 NC PL B
11	02891800	2	HHCS 1/2 NC 1-3/4 PL8
12	02776600	2	HHCS 1/2 NC X 1 1/4 PL8
13	00001800	4	LOCKNUT TLM 1/2 NC PLB
14	00022200	4	HIGH ALLOY, L/W 7/16 YZ
15	00012101	4	LOCKWASHER, 3/8" PL
16	02970451	4	HHCS 7/16 NC 4-1/2 PL8
17	02972565	4	HHCS 3/8 NC 4-1/2 PL5
18	02968850	6	ADP, HYD ST 8MB-6MJ
19	02976532	4	ADP, HYD, 4MJ-4FJX 45
20	02090800	4	ADP, HYD ELBOW 12MB - 12MJ 90
21	02976531	6	ADP HYD ELBOW 6MJ-6FJX 45
22	02822300	4	ADP, HYD ST 8MB-4MJ
29	02961098	1	20 MB - 20 MJ 90°
30	03200298	1	ADP 20MB-16MJ 90°
31	02961006	1	ADP 20MB-16MJ
32	02957691	1	ADP HYD STGHT 4MJ-8MP
33	00023500	6	FLATWASHER 5/16, TYPE AW, ZP
34	00011100	8	FLATWASHER 3/8 STD
35	02960411	1	ADP. HYD 20MJ - 20FJX 45
36	00001300	2	HIGH ALLOY, L/W 1/2 YZ KG
37	00759635	2	FLATWASHER, 1/2 HARDENED
38	02969398	1	ORIFICE, .055 RESTRICTOR
39	02972159	1	ADP HYD STGHT 8FB-8MB

# HYD TANK W-PUMP & MAN VALVE ASY 28FT TELESCOPING BOOM



DETAIL A

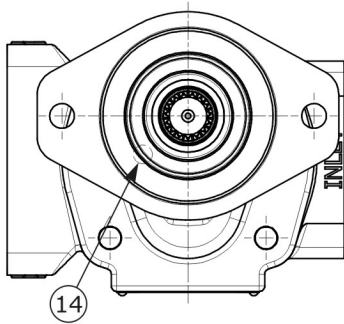
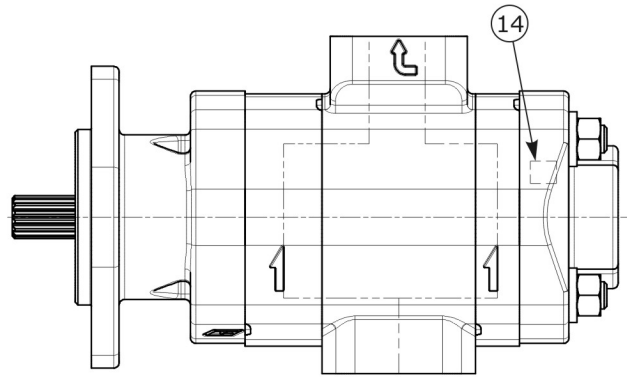
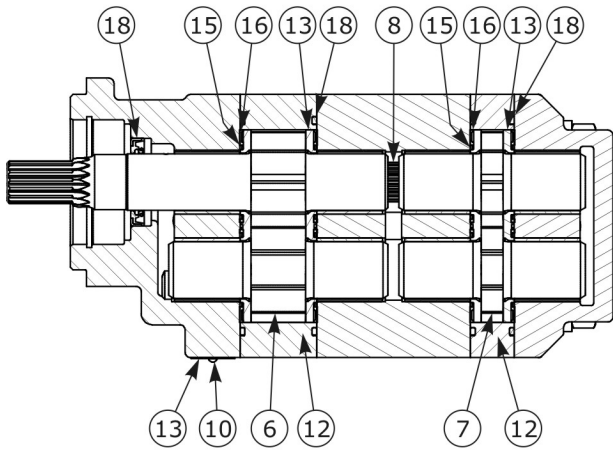


## HYD TANK W-PUMP & MAN VALVE ASY 28FT TELESCOPING BOOM

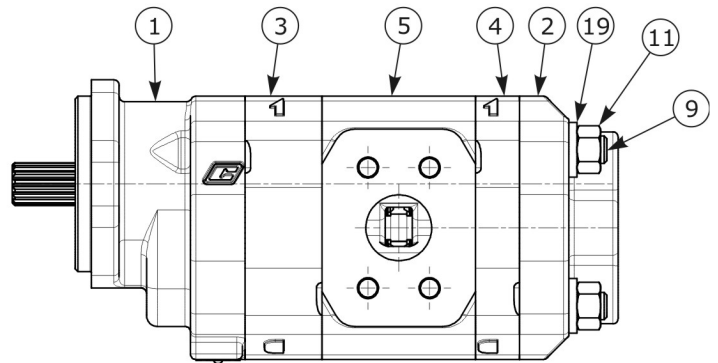
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02989465	1	PLATE, MANUAL VALVE, AXTREME28
4	02986078	1	PLATE, MANUAL VALVE, AXTREME28
5	00011400	8	BOLT, HHCS 3/8 NC 1 PL5
6	00015800	11	LOCKNUT TLM 3/8 NC PLC
7	02985600	1	FRT PUMP ASY - TANDEM
8	02983736	1	CUTTER BLOCK, AXTREME 28
9	02985263	1	VALVE, MANUAL, P70
10	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
11	02891800	2	HHCS 1/2 NC 1-3/4 PL8
12	02776600	2	HHCS 1/2 NC X 1 1/4 PL8
13	00001800	4	LOCKNUT TLM 1/2 NC PLB
14	00022200	4	HIGH ALLOY, L/W 7/16 YZ
15	00012101	4	LOCKWASHER, 3/8" PL
16	02970451	4	HHCS 7/16 NC 4-1/2 PL8
17	02972565	4	HHCS 3/8 NC 4-1/2 PL5
18	02972177	8	ADP, HYD ST 10MB - 6MJ
19	02976532	3	ADP, HYD, 4MJ-4FJX 45
20	00773923	1	ADP, HYD ST 10MB - 12MJ
21	02090800	3	ADP, HYD ELBOW 12MB - 12MJ 90
22	02961098	1	20 MB - 20 MJ 90°
23	02976531	8	ADP HYD ELBOW 6MJ-6FJX 45
24	02983377	1	ADAPTER, 12MJ-10MB90
25	02972179	3	ADP, HYD ST 10MB - 4MJ
26	02962022	1	ADP HYD ELBOW 4MJ-4FJX90
27	02964135	1	ADP, HYD ELBOW 12MB - 12FJX
28	02985280	1	FILTER ASY, PRESSURE, VISU IND
29	03200298	1	ADP 20MB-16MJ 90°
30	02961006	1	ADP 20MB-16MJ
31	00011100	12	FLATWASHER 3/8 STD
32	00001300	2	HIGH ALLOY, L/W 1/2 YZ KG
33	00759635	2	FLATWASHER, 1/2 HARDENED
34	02972113	1	ADP, HYD 10MB - 8FB
35	02969398	1	ORIFICE, .055 RESTRICTOR
36	02822300	1	ADP, HYD ST 8MB-4MJ

# PUMP ASY - SERVO CONTROLLED



CCW ROTATION



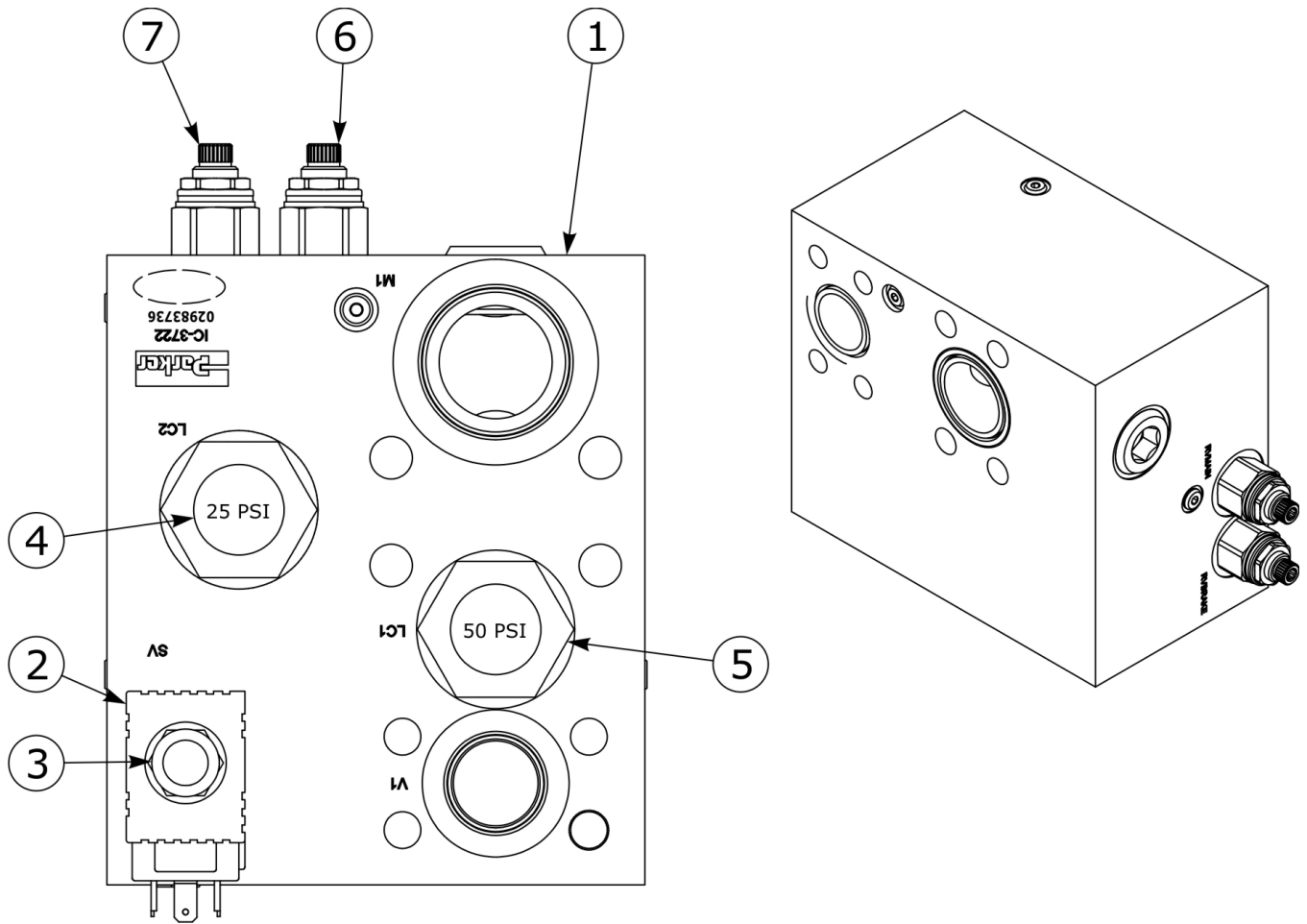


## PUMP ASY - SERVO CONTROLLED

Continued...

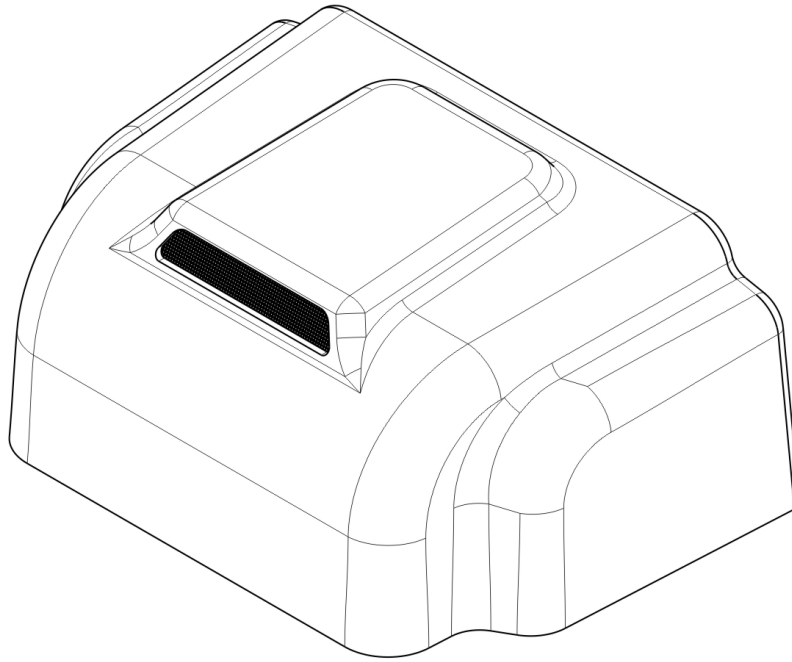
ITEM	PART NO.	QTY.	DESCRIPTION
	02985600	1	FRT PUMP ASY-TANDEM 1 IN, 2 OUT
1	02961913	1	MOUNTING FLANGE
2	02962184	1	COVER FLANGE
3	02987934	1	HOUSING, GEAR, FRT PUMP ASY
4	02962186	1	GEAR HOUSING
5	02987935	1	HOUSING,CARRIER BRNG, FRT PUMP
6	02987936	1	SET, GEAR SHAFT, FRT PUMP ASY
7	02962188	1	GEAR SET
8	02962216	1	CONNECTOR SHAFT
9	02987937	4	STUD, FRT PUMP ASY
10	02987938	2	SCREW, DRIVE, FRT PUMP ASY
11	02962190	4	NUT 5/8 NC PLB
12	02979953	8	DOWEL PIN, PUMP, HYDRO 15/10
13	02987939	4	THRPL, FRT PUMP ASY
14	02961920	2	PLUG
15	02987940	4	SEAL, BACKUP, FRT PUMP ASY
16	02987941	4	SEAL, CHAN, FRT PUMP ASY
17	02980336	1	LIP SEAL FOR 02961474 MTR.
18	02987942	4	SEAL, SQ, R, FRT PUMP ASY
19	02961917	4	WASHER
20	02962539	1	KIT, REBUILD, MINOR, PUMP ASY
21	02962191	1	KIT, REBUILD, MAJOR, PUMP ASY

## CUTTER CONTROL VALVE BLOCK



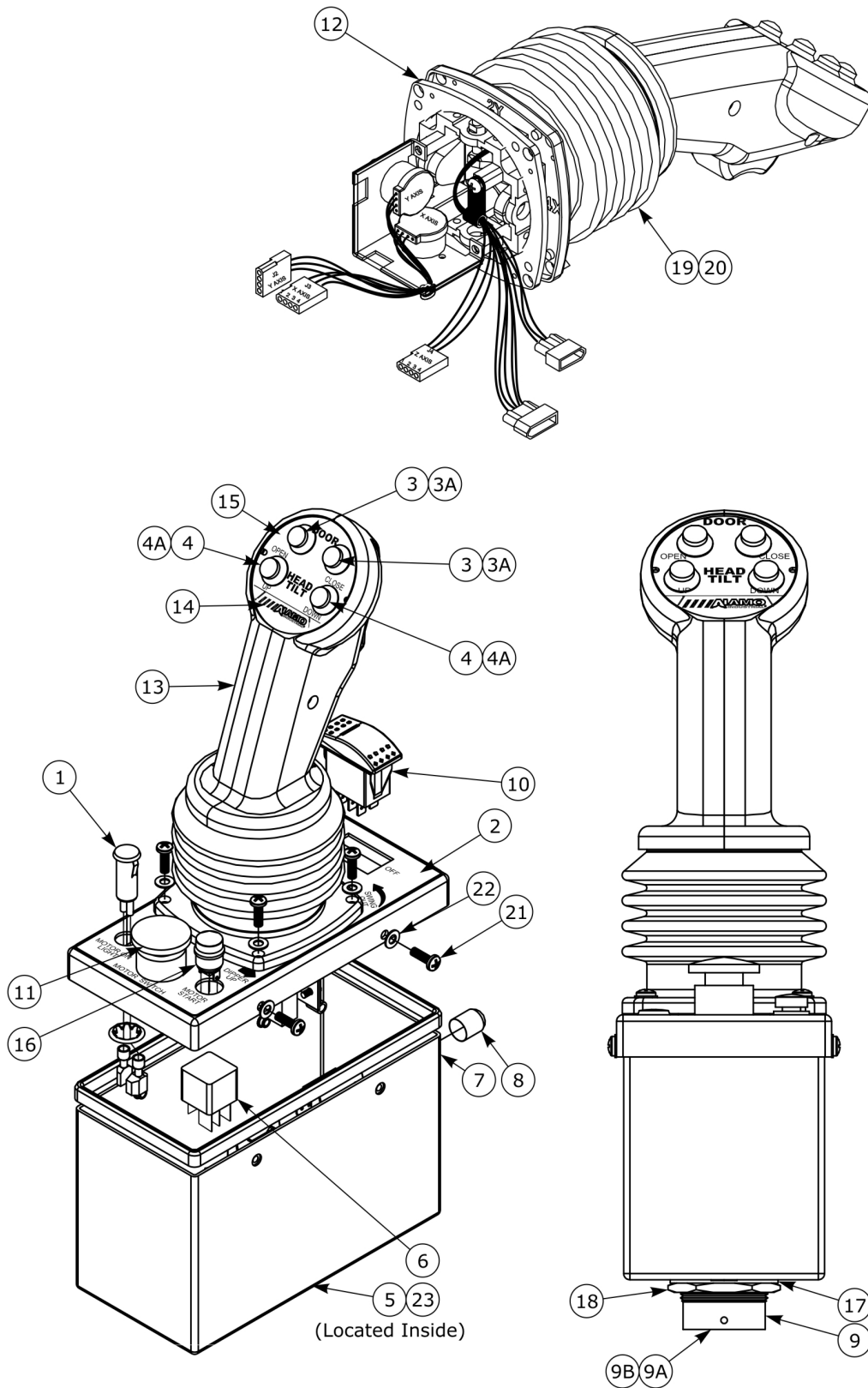
ITEM	PART NO.	QTY.	DESCRIPTION
1	02983736	1	CUTTER VALVE BLOCK ASY
2	02983513	1	COIL SOLENOID 12VDC DUAL SPADE
3	02984339	1	SOLENOID, CARTRIDGE 2P3W
4	02983516	1	LOGIC CART, 25 PSI, CUT VAL
5	02983517	1	LOGIC CART, 50 PSI, CUT VAL
6	02983515	1	RELIEF, MAIN 3000 PSI, CUT VALVE, AXT
7	02983514	1	RELIEF, BRAKE 1850 PSI, CUT VALVE, AXT
8	02986284A	1	KIT, SEAL COMPLETE
	02988120	1	SEAL KIT, BLOCK TO PUMP
	02980979	2	SEAL KIT LOGIC VALVE
	02987165	2	SEAL KIT, RELIEF VALVE
	02987375	1	SEAL KIT, VITON, SOL CARTRIDGE

## PUMP-TANK-VALVE COVER



ITEM	PART NO.	QTY.	DESCRIPTION
1	02981381	1	PUMP COVER ASY
2	02981441	2	KNOB STUD, 3/8"-NC X 1-1/2"
3	00992000	3	CABLE, PUMP COVER STOP
4	00001000	2	CABLE CLAMP

# JOYSTICK CONSOLE ASY

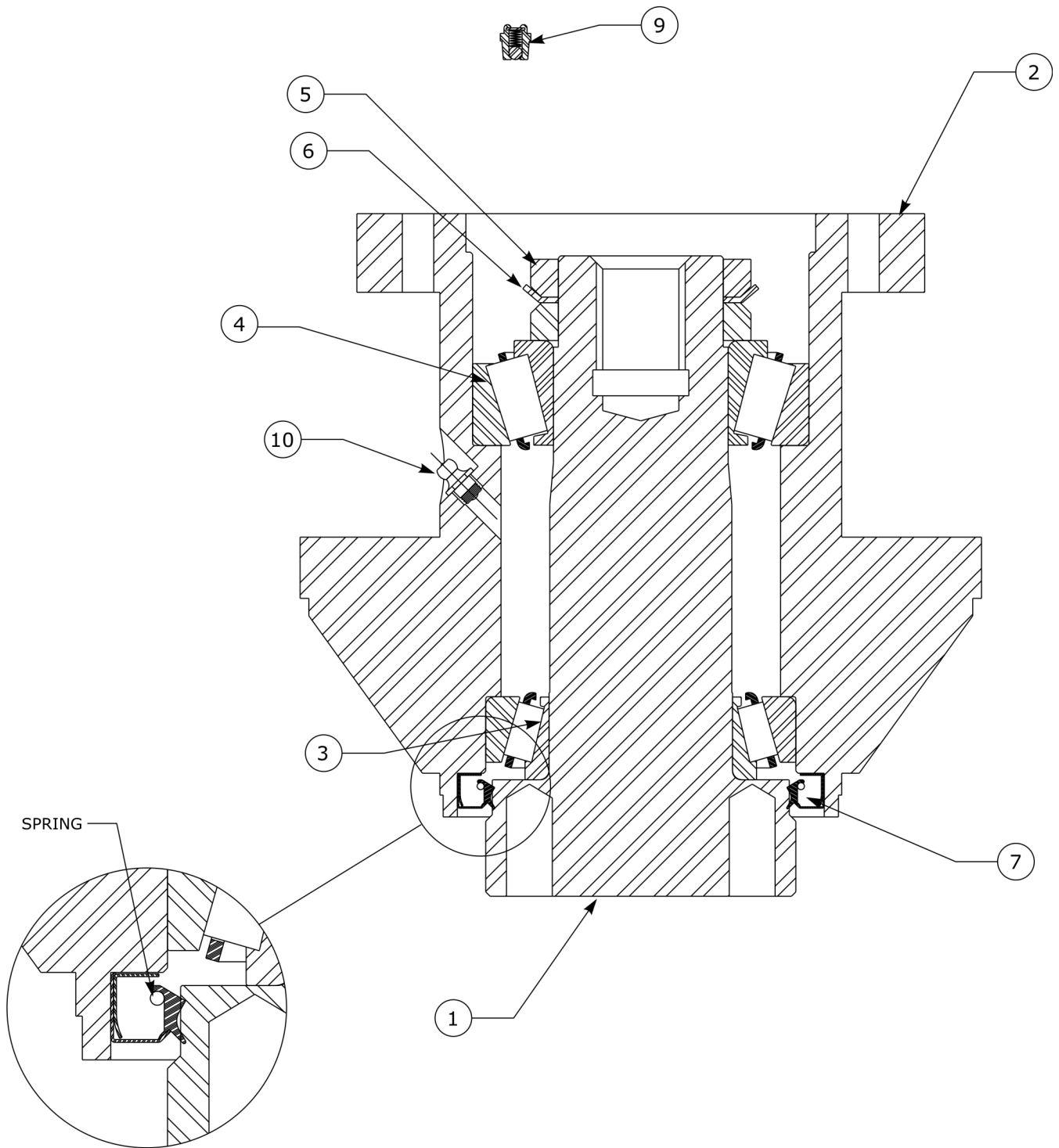


## JOYSTICK CONSOLE ASY

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 (NOT SHOWN)
	02991141	1	HARNES,RESISTOR,DANFOSS VLV

# SPINDLE ASSEMBLY - ROTARY HEAD

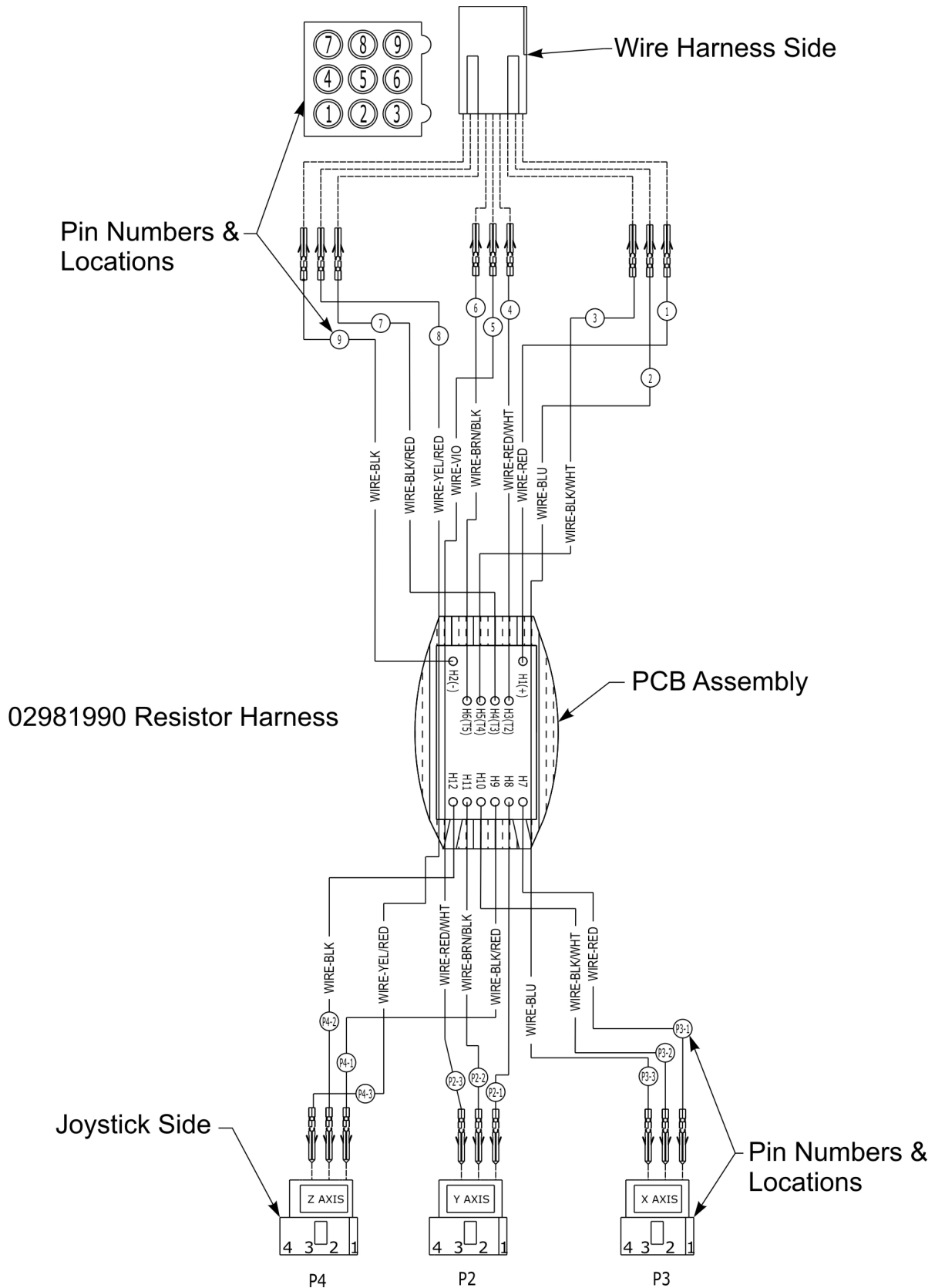


## SPINDLE ASSEMBLY - ROTARY HEAD

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
1	02967204	1	SPINDLE W/ NUT
2	02967126	1	SPINDLE HOUSING
3	02967197	1	LOWER BEARING
4	02967196	1	UPPER BEARING
5	02909500	2	NUT
6	02909600	1	TANG LOCK WASHER
7	02967198	1	SEAL
9	02959018	1	RELIEF PLUG
10	00003500	1	GREASE FITTING 1/8" STRAIGHT

# WIRE HARNESS - JOYSTICK RESISTOR (OPT)



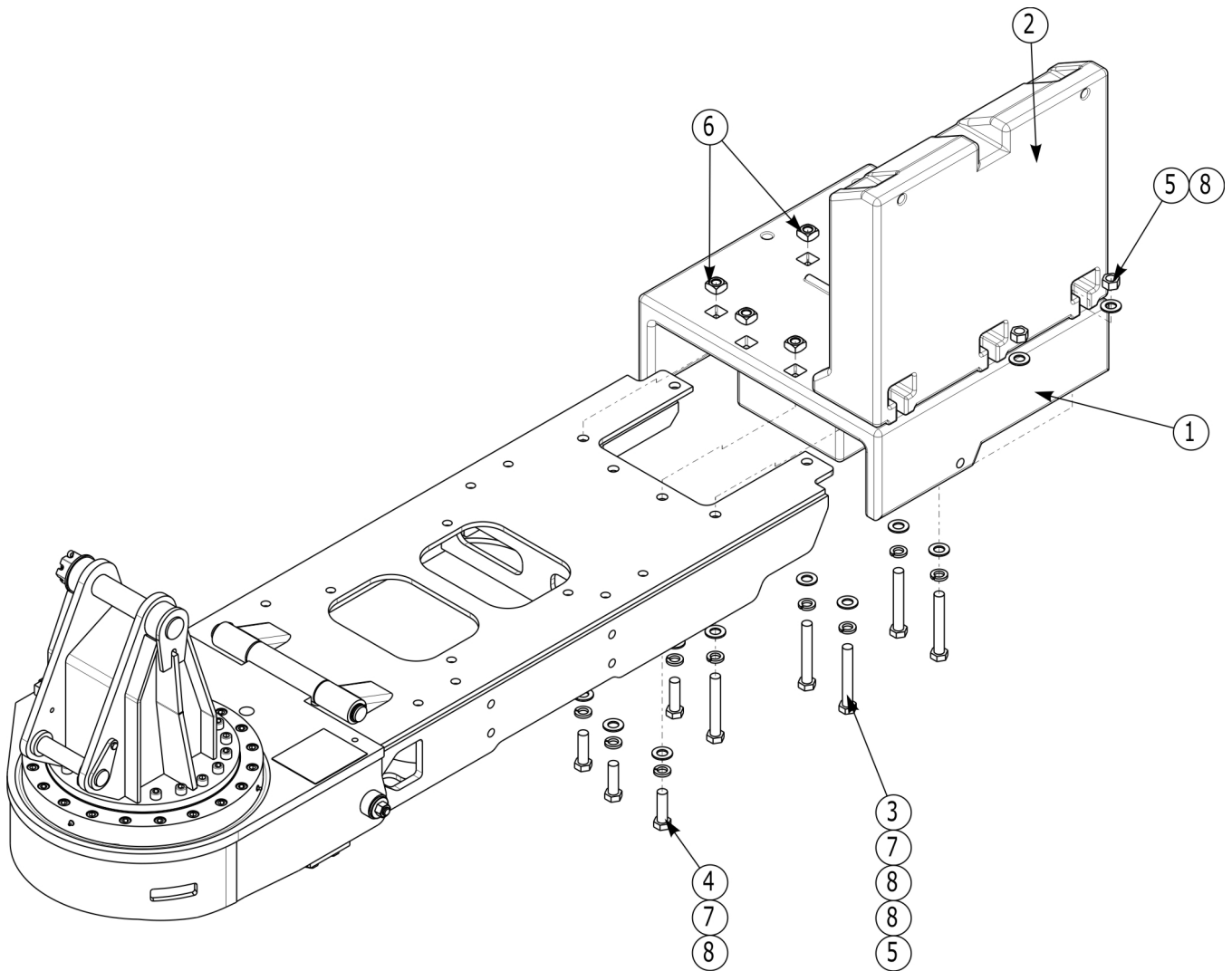


## WIRE HARNESS - JOYSTICK RESISTER (OPT)

Continued...

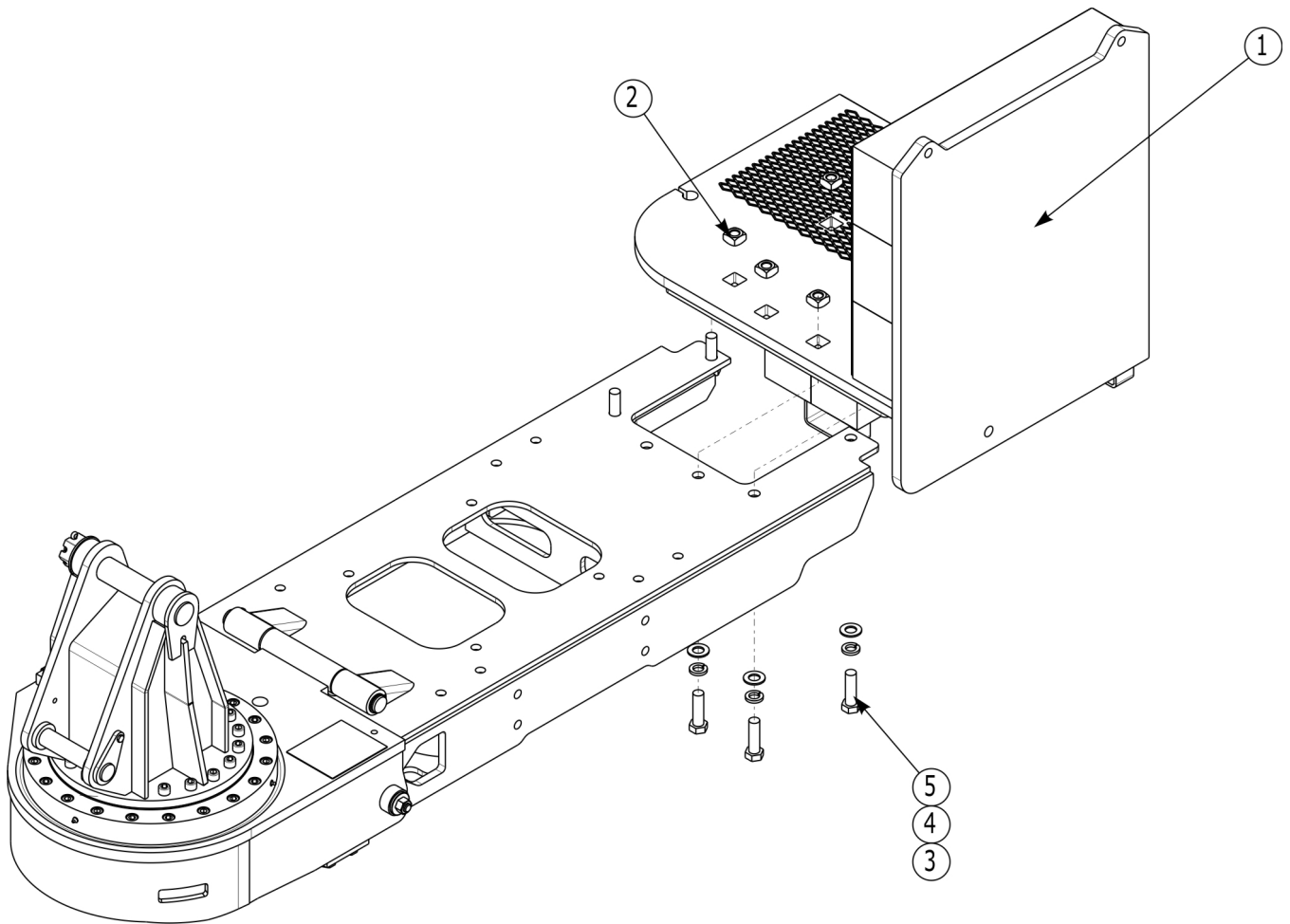
ITEM	PART NO.	QTY.	DESCRIPTION
	02981990	1	JOYSTICK RESISTER HARNESS
1	PIN 1 (P-5)	1	RED WIRE
2	PIN 2 (P-5)	1	BLUE WIRE
3	PIN 3 (P-5)	1	BLACK & WHITE STRIPE WIRE
4	PIN 4 (P-5)	1	RED & WHITE STRIPE WIRE
5	PIN 5 (P-5)	1	VIOLET WIRE
6	PIN 6 (P-5)	1	BROWN & BLACK STRIPE WIRE
7	PIN 7 (P-5)	1	BLACK & RED STRIPE WIRE
8	PIN 8 (P-5)	1	YELLOW & RED STRIPE WIRE
9	PIN 9 (P-5)	1	BLACK WIRE
10	PIN 1 (P-2)	1	RED & WHITE STRIPE WIRE
11	PIN 2 (P-2)	1	BROWN & BLACK STRIPE WIRE
12	PIN 3 (P-2)	1	VIOLET WIRE
13	PIN 1 (P-3)	1	RED WIRE
14	PIN 2 (P-3)	1	BLACK & WHITE STRIPE WIRE
15	PIN 3 (P-3)	1	BLUE WIRE
16	PIN 1 (P-4)	1	BLACK & RED STRIPE WIRE
17	PIN 2 (P-4)	1	BLACK WIRE
18	PIN 3 (P-4)	1	YELLOW & RED STRIPE WIRE

## UNDER MOUNT COUNTER WEIGHT - CAST



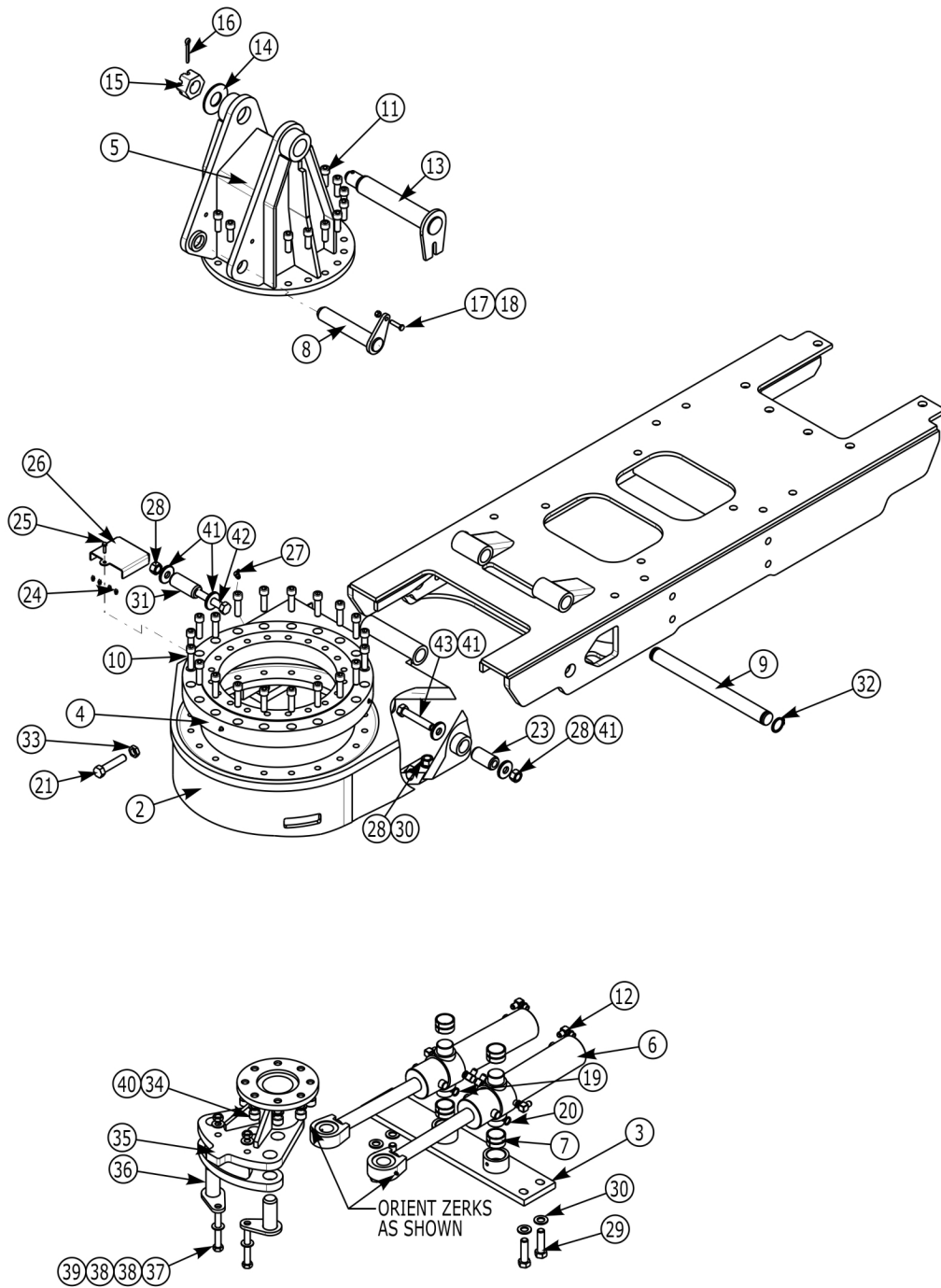
ITEM	PART NO.	QTY.	DESCRIPTION
	02990295	1	INSTALLATION, CAST CWT UNDER MOUNT
1	02984840	1	COUNTERWEIGHT, CAST, BASE
2	02984839	1	COUNTERWEIGHT, CAST, UPRIGHT
3	02986323	5	HHCS 7/8" X 6" LG GR8
4	02989804	4	HHCS 7/8" X 3" LG PL8
5	00012300	5	NUT, 7/8 NC
6	02988205	4	NUT, SQUARE 7/8 GR5
7	00012200	9	HIGH ALLOY, L/W 7/8 YZ
8	00761535	14	WASHER 7/8 HARDENED

## UNDER MOUNT COUNTER WEIGHT - WELDED



ITEM	PART NO.	QTY.	DESCRIPTION
	02990296	1	INSTALLATION, WLD CWT UNDER MOUNT
1	02990251	1	WLDMT, UM, CWT, CAST CNTRPRT
2	02988205	6	NUT, SQUARE 7/8 GR5
3	00761535	6	WASHER 7/8 HARDENED
4	00012200	6	HIGH ALLOY, L/W 7/8 YZ
5	02989804	6	HHCS 7/8" X 3" LG PL8

# UNDER MOUNT FRAME ASY (PART 1)

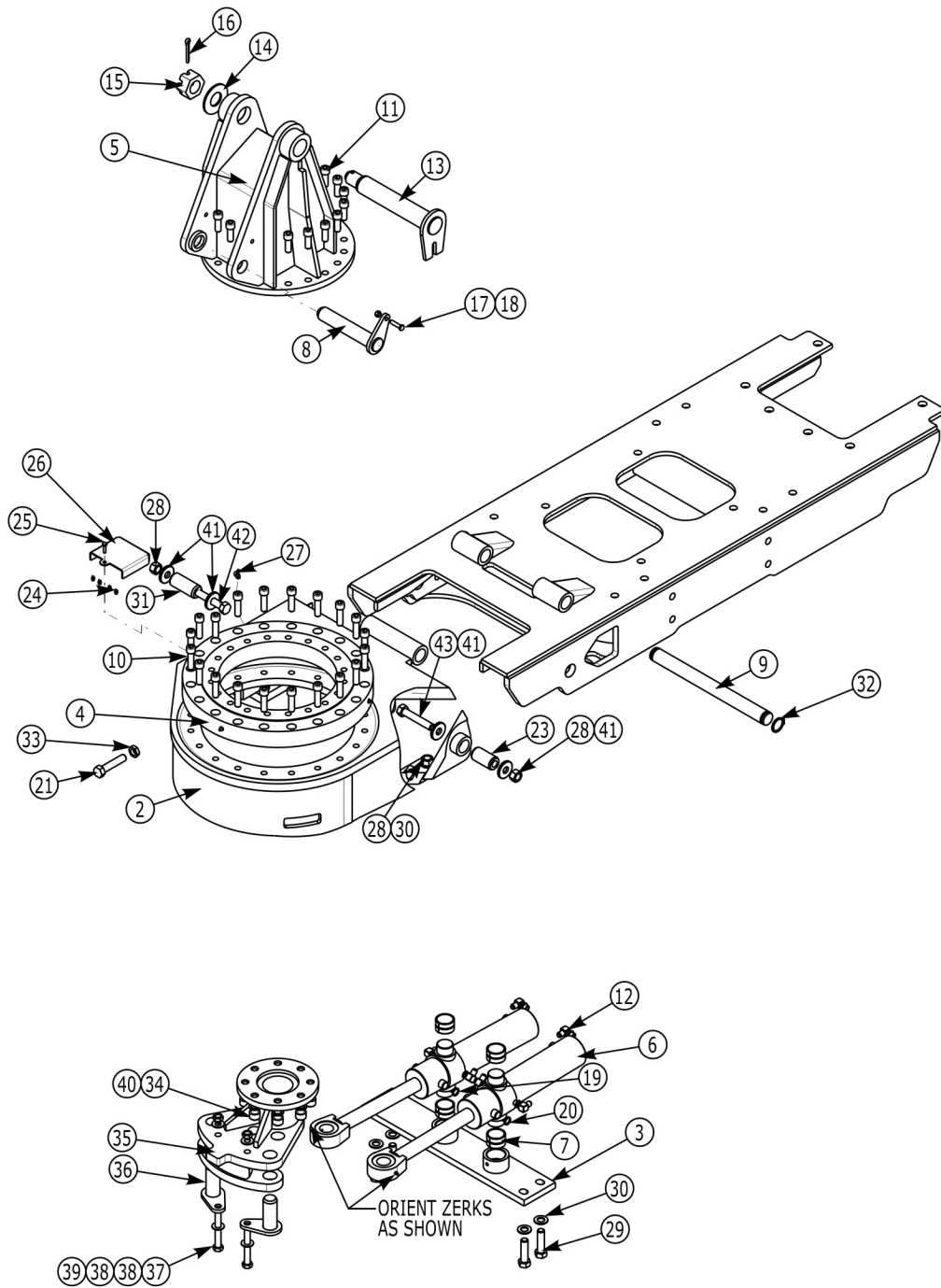


## UNDER MOUNT FRAME ASY (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02989208	1	ASY, UM FRAME, CC, DS
1	02989071	1	WELDMENT, FRAME, UM
2	02986506	1	MACHINED, BOOM MOUNT, UNDER MOUNT
3	02983977	1	WELDMENT, TRUNION
4	02981317	1	BEARING, 20" SLEWING
5	02981141	1	MACHINED, TURRET, UNDER MOUNT
6	02981275A	2	CYLINDER, 3.0B X 1.5R X 12.0S, SWING
7	02981419	4	CONNEX BUSHING, 2 X 1 3/4 X 1 1/4 OD GROOVE
8	02981295	1	WELDMENT, PIN, TURRET LIFT CYLINDER
9	02986438	1	PIN, 1 1/2 X 17 3/4
10	02981785	20	SHCS 5/8 NC 2 1/4 PL8
11	02981786	18	SHCS 5/8 NC 1 3/4 PL8
12	63149100	6	ADP, HYD ELBOW 6MB-6MJ 90
13	02981293	1	WELDMENT, PIN, TURRET/LIFT
14	15B2400	1	FLATWASHER NAR 1-1/2 PL
15	02981702	1	SLOTTED NUT, 1-1/2 NF
16	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
17	00023100	1	HHCS 3/8 X 1-1/2 NC PL GR5
18	00015800	1	LOCKNUT TLM 3/8 NC PLC
19	02968832	1	PLASTIC TIE, GREEN
20	02968833	1	PLASTIC TIE, GREEN & WHITE
21	02963646	1	HHCS 3/4 NC 2-1/2 PL8
22	000678	1	DECAL, GREASE FITTING INSIDE
23	02988244	1	PIN, SHORT, FRONT PEDESTAL
24	00752670	4	GREASE FITTING 1/4-28 BOLT THD
25	10058000	1	HHCS 1/4NC-1" PL GR5
26	02983027	1	SHIELD, MANIFOLD
27	00752176	1	FITTING, GREASE 1/8 MP 90 DEG
28	00037200	6	NUT 3/4 NC LOCKNUT
29	02960521	4	HHCS 3/4 NC 2-3/4 PL8
30	5312316	8	FLATWASHER 3/4 HARDENED
31	02988243	1	PIN, LONG, REAR, PEDESTAL
32	03200930	2	RETAINING RING, 1.5 SHAFT HEAVY DUTY
33	02023900	1	3/4 JAM NUT
34	02708700	8	SHCS 3/4 NC 2 PL8
35	02987653	1	MACH, TURRET CYLINDER HUB
36	02987649	2	WELDMENT, TURRET PIN, TEARDROP
37	02956735	2	BOLT, HHCS 5/8" X 5" LG
38	00756077	4	WASHER, 5/8 HARDENED
39	00695100	2	LOCKNUT TOPLOCK 5/8NC PLB
40	02988671	8	3/4 NORD LOCKWASHER

# UNDER MOUNT FRAME ASY (PART 2)

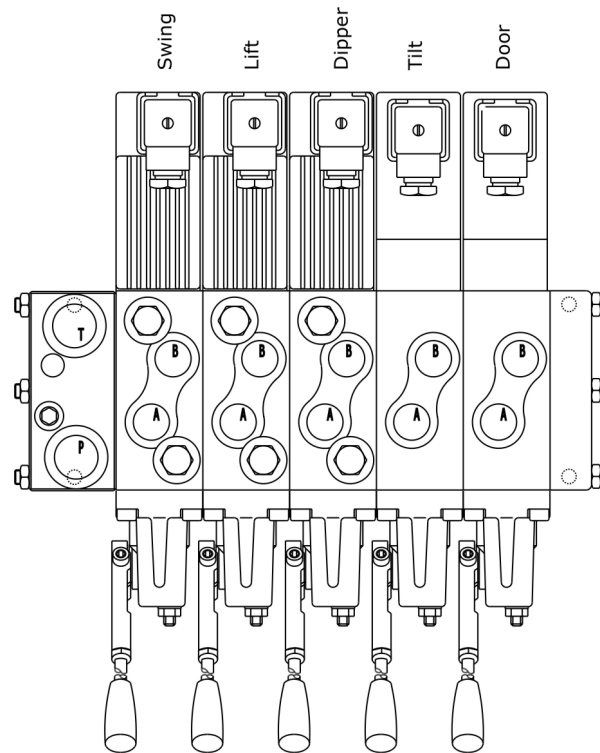


## UNDER MOUNT FRAME ASY (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02988184	4	FLATWASHER SPECIAL 3/4 X 2 X 1/4
42	02960916	1	HHCS 3/4 NC 5 PL8
43	02980730	1	HHCS 3/4-10 NC X 4-1/4" PL8

## VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE



MAIN 2700 PSI	PRESSURE RELIEF SETTINGS (PSI)				
SERVICE PORT A	2030	1160	2755	N/A	N/A
SERVICE PORT B	2030	2755	1160	N/A	N/A
	SWING	LIFT	DIPPER	TILT	DOOR

ITEM	PART NO.	QTY.	DESCRIPTION
	02974004	2	ELECTRICAL ACTIVATION MODULE
	02974005	3	ELECTRICAL ACTIVATION MODULE
	02974027	5	SEAL KIT O RING (BETWEEN THE ELECTRICAL MODULE TO SECTION)
	02974838	5	MECHANICAL ACTIVATION MODULE
	02975881	5	ORING 033.0 X 2.5
	02975882	10	ORING 05.0 X 2.0
	02975950	5	SEAL KIT O RINGS (BETWEEN THE HANDLE MECHANICAL MODULE TO SECTION)
	02976024	5	GASKET,CONNECTOR TO MODULE
	02977032	1	KIT,VALVE ASSEMBLY - 5 SPOOL
	02977414	1	RELIEF VALVE 2755 PSI
	02977745	3	RELIEF VALVE 2030 PSI
	02977851	20	SHCS METRIC 6-P1.0- 33MM 8.8
	02977957	2	RELIEF VALVE 1160 PSI
	02979050	1	RELIEF VALVE 2755 PSI(PRE4/98)
	02979051	3	RELIEF VALVE 2030 PSI(PRE4/98)
	02979052	2	RELIEF VALVE 1160 PSI(PRE4/98)
	02980656	3	SECTION,BARE,SWING,LIFT,DIPPER

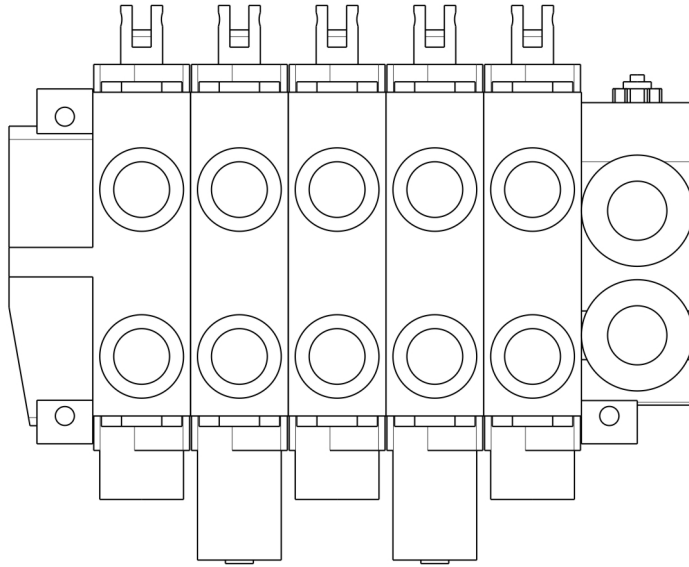


## VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02980657	1	SECTION,BARE, TILT
	02980658	1	SECTION,BARE, DOOR
	02980659	2	SPOOL , SWING DOOR
	02980660	1	SPOOL , LIFT
	02980661	1	SPOOL , DIPPER
	02980662	1	SPOOL , TILT
	02980664	1	SECTION INLET/OUTLET OCFD
	02980665	1	SECTION, END CAP
	02981804	5	SEAL KIT, O-RING VALVE SECTION SEAL KIT BETWEEN SECTIONS
	02986019	1	RELIEF, MAIN 2700 PSI

## VALVE ASSEMBLY - MANUAL-HYDRAULIC VALVE



MAIN 3000 PSI	PRESSURE RELIEF SETTINGS (PSI)				
SERVICE PORT A	2000	2750	2750	N/A	2000
SERVICE PORT B	2000	1200	1200	2000	N/A
	SWING	LIFT	DIPPER	TILT	DOOR

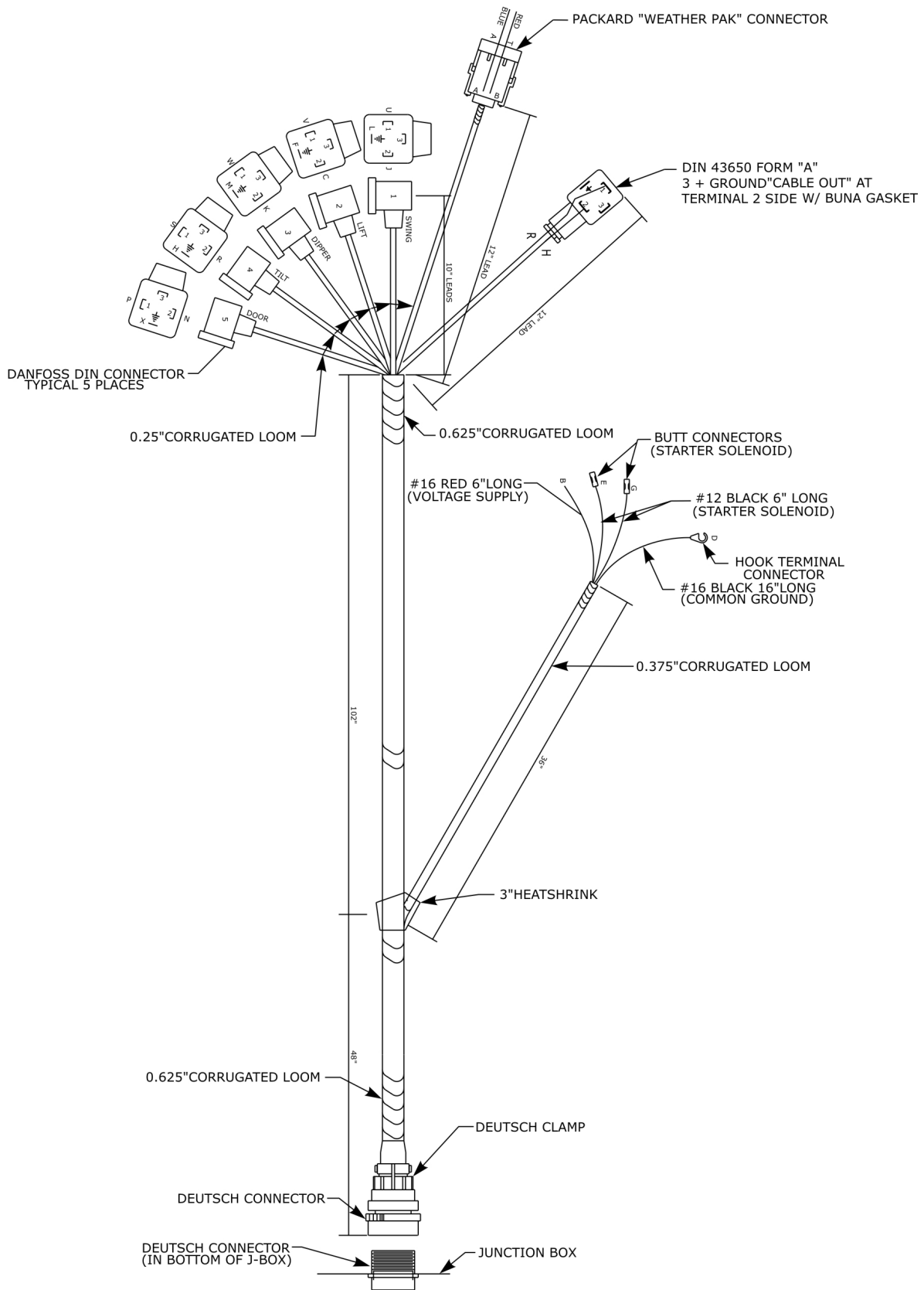
ITEM	PART NO.	QTY.	DESCRIPTION
	02987538	1	VALVE, MAN DIR CTRL 5-SPOOL
	00013901	6	NUT HEX 3/8 NC PL
	00501600	6	SEAL QUAD
	02046700	1	VALVE END PLATE
	02049600	1	VERTICAL HANDLE REPAIR KIT-CP4
	02750100	1	SPOOL POSITIONER KIT 3-POS
	02957172	1	LOAD CHECK PLUG ASSEMBLY
	02958734	2	SPOOL POSITIONER KIT 4-POS DET
	02961622	2	SEAL - QUAD
	02962529	5	KIT, SEAL W/WASHER & O-RING
	02964711	18	O-RING 15/16 X 1-1/8 X 3/32
	02964712	8	O-RING 13/16 X 1 X 3/32
	02974995	5	WIPER SPOOL
	02974996	5	WASHER RETAINER PLATE
	6513213	4	BRKT,HANDLE
	02989482	3	KIT, TIE ROD, 5 SECTION,MANUAL
	02989483	1	ASY, VALVE SECTION, LIFT
	02989484	1	ASY, VALVE SECTION, SWING
	02989485	1	ASY, VALVE SECTION, DIPPER
	02989486	1	ASY, VALVE SECTION, TILT
	02989487	1	ASY, VALVE SECTION, DOOR

## VALVE ASSEMBLY - MANUAL-HYDRAULIC VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02989488	1	VALVE, RELIEF, MAIN, 3000 PSI
	02989489	1	VALVE, RELIEF, 2000 PSI
	02989490	1	VALVE, RELIEF, 2750 PSI
	02989491	1	VALVE, RELIEF, MAIN, 1200 PSI

# WIRE HARNESS (ELECT-HYD VALVE OPT)

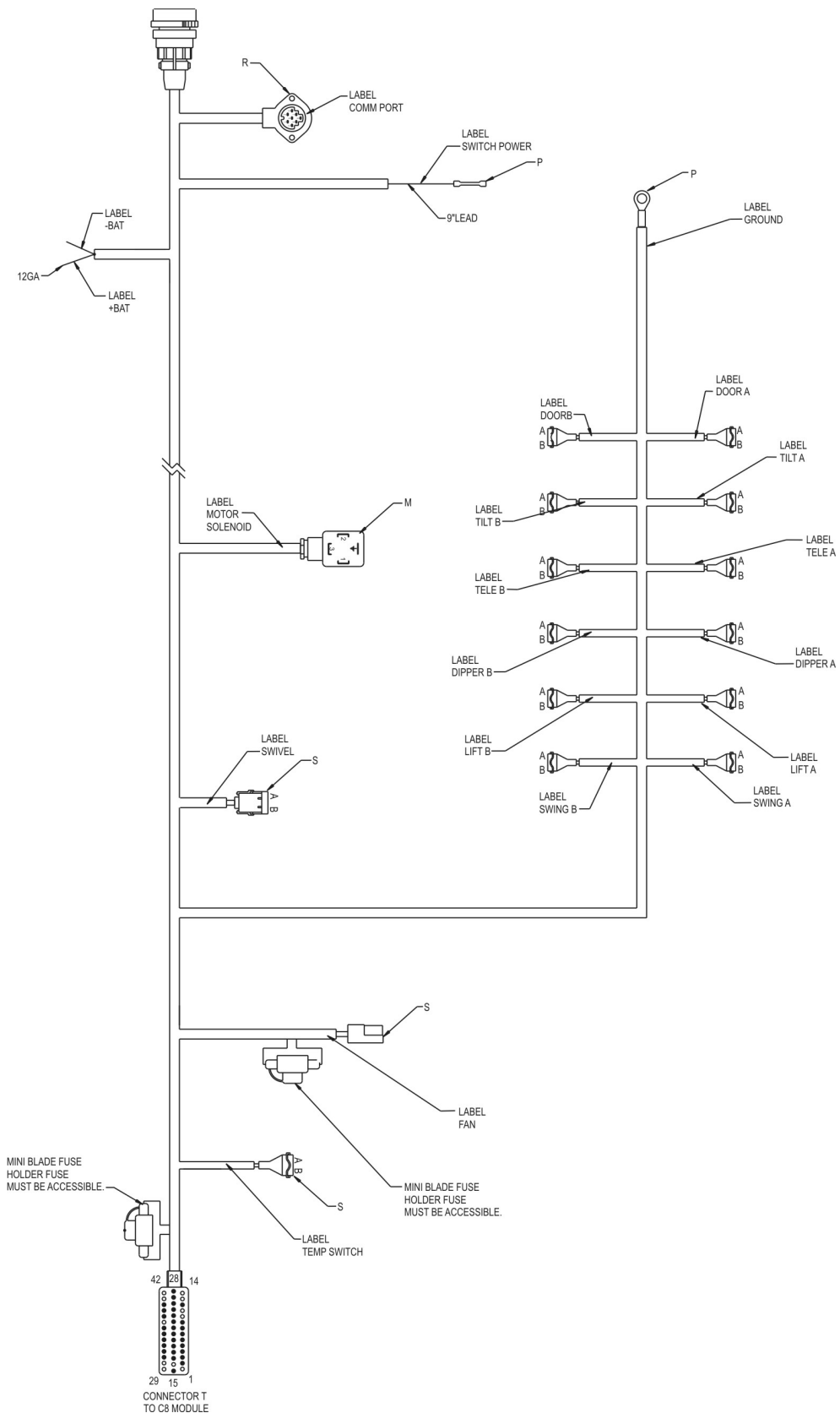


**WIRE HARNESS (ELECT-HYD VALVE OPT)**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	02984735	1	ASY, HARNESS, AXTREME

# WIRE HARNESS (ELECT-HYD VALVE OPT) 28 FT TELESCOPING BOOM

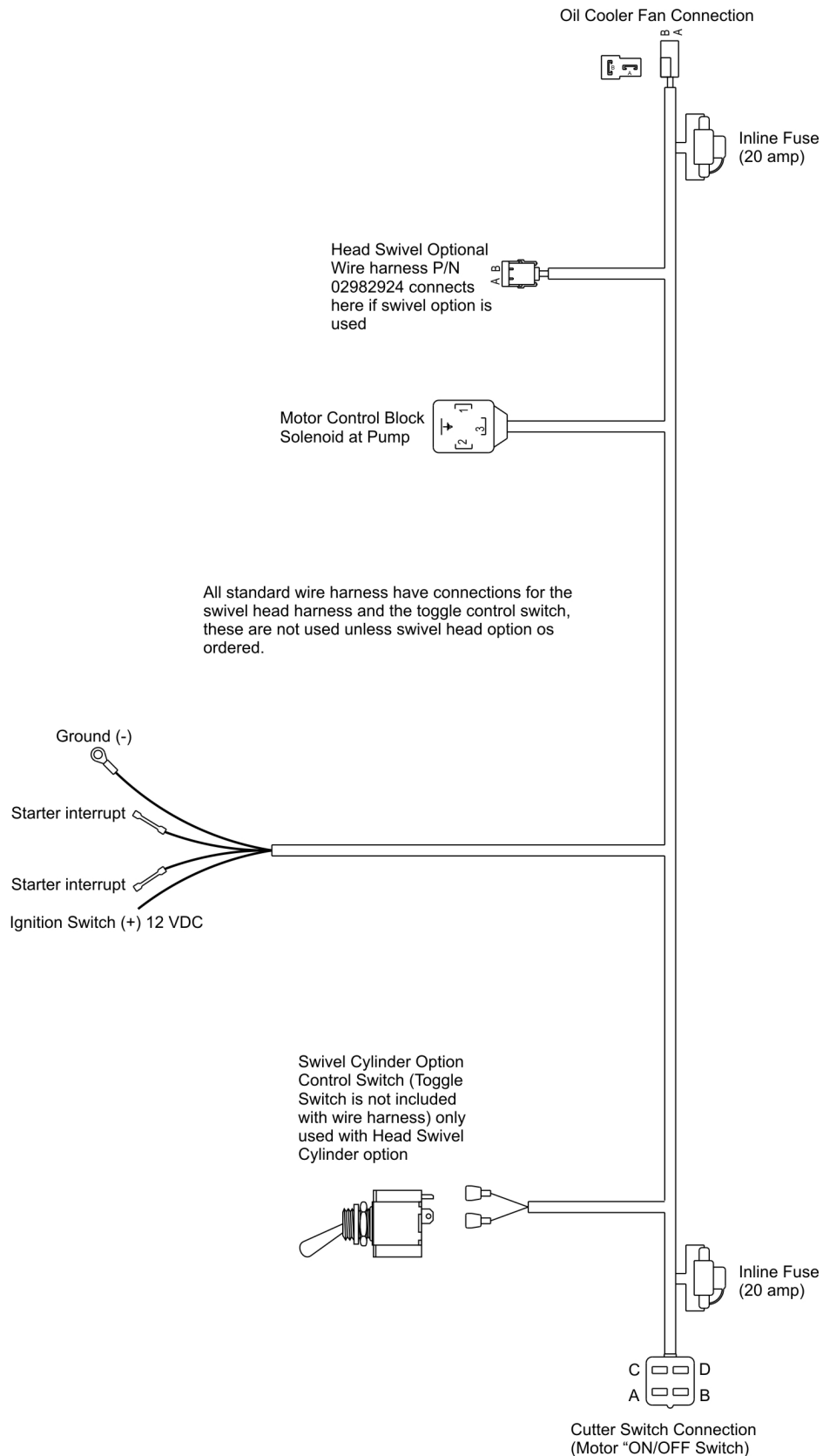


**WIRE HARNESS (ELECT-HYD VALVE OPT) 28 FT TELESCOPING BOOM**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02985354	1	HARNES, LAYOUT, ELEC, 28 AX

# WIRE HARNESS (MAN-HYD VALVE STD)



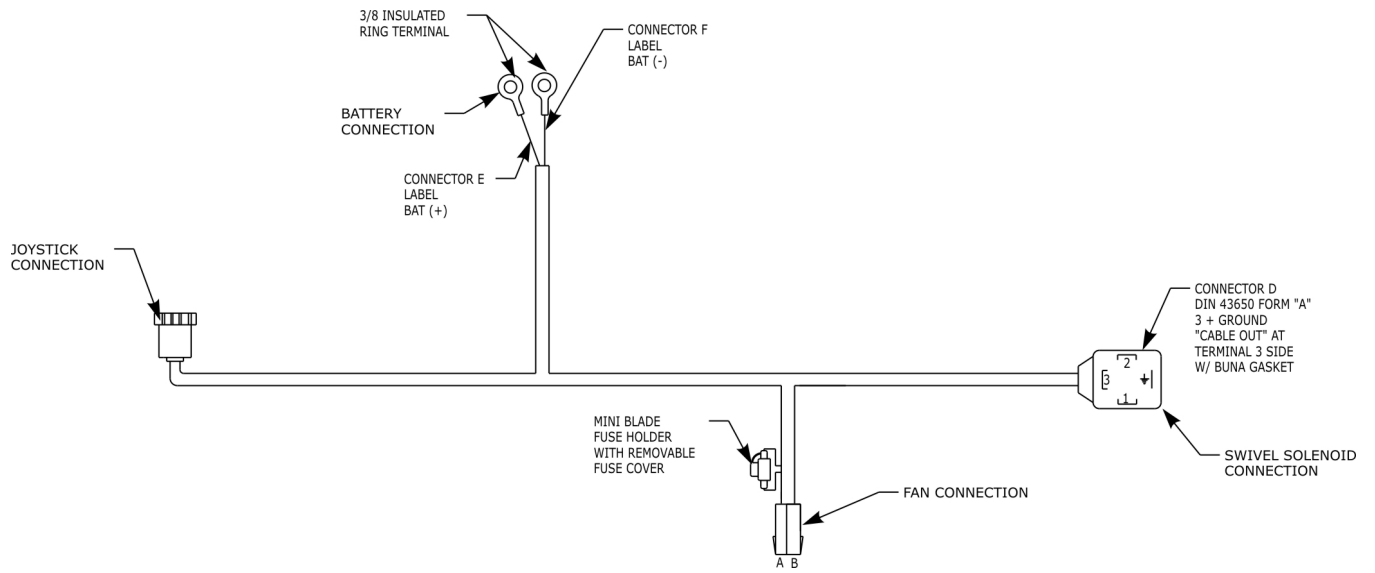


## WIRE HARNESS (MAN-HYD VALVE STD)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02982922	1	WIRE HARNESS, F/ CABLE CONTROL STANDARD
2	02977826	1	SWITCH,TOGGLE,SPST,2-POSITION

## WIRE HARNESS (SWIVEL HEAD OPT)



ITEM	PART NO.	QTY.	DESCRIPTION
1	02987816	1	WIRE HARNESS, F/ SWIVEL HEAD OPTION





## 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

