



Boom

Rev 03-21

Part No. 02986950P

PARTS MANUAL



ALAMO INDUSTRIAL

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

¡ATENCIÓN!

LEA EL INSTRUCTIVO

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



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

BOLT TORQUE

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

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

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

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

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

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

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

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

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

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

Proper Torque Values for Standard Bolts		
Bolt Diameter	 Head Marking Three Lines Grade Five	 Head Marking Six Lines Grade Eight
	Pound - Foot Value Dry	Pound - Foot Value Dry
1/4"	7	10
5/16"	15	22
3/8"	26	39
7/16"	42	60
1/2"	64	88
9/16"	100	134
5/8"	128	180
3/4"	227	320
7/8"	365	515
1"	547	772

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

Proper Torque Values for Metric Bolts				
Bolt Diameter	 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
6mm	3	7	9	10
8mm	6.2	16	23	24
10mm	12	32	45	47
12mm	21	55	79	81
14mm	34	88	126	130
16mm	53	137	196	202
18mm	73	189	270	279
20mm	104	267	382	394
22mm	141	364	520	537
24mm	179	461	660	680
27mm	262	676	968	998
30mm	355	917	1312	1353

TO THE OWNER/OPERATOR/DEALER

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

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

DANGER

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

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

- Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.

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

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seat belt securely fastened to prevent injury and possible death from falling off or tractor overturn.

- Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, & Ear Plugs are recommended.

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

5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding mowers. Put Booms securely in Transport Rest.

- Folding and Boom Mowers have raised center of gravity. Slow down when turning and on hillsides.

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

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

8. Before dismounting, secure implement in transport position or lower to ground.

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

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

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

CHANGE PAGES

[illegible]

CHANGE PAGES

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

PARTS ORDERING GUIDE

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

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

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



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



ALAMO INDUSTRIAL

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

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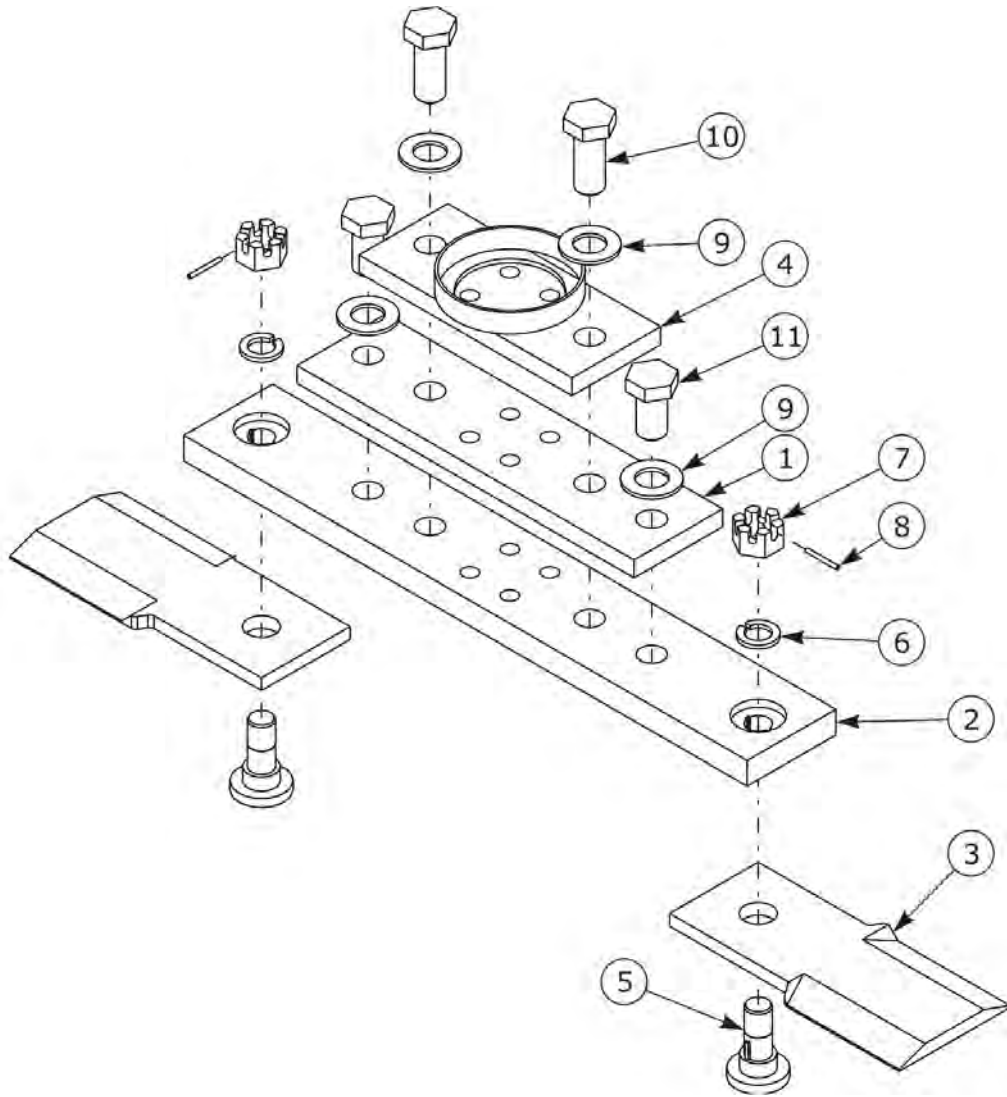
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SECTION 10

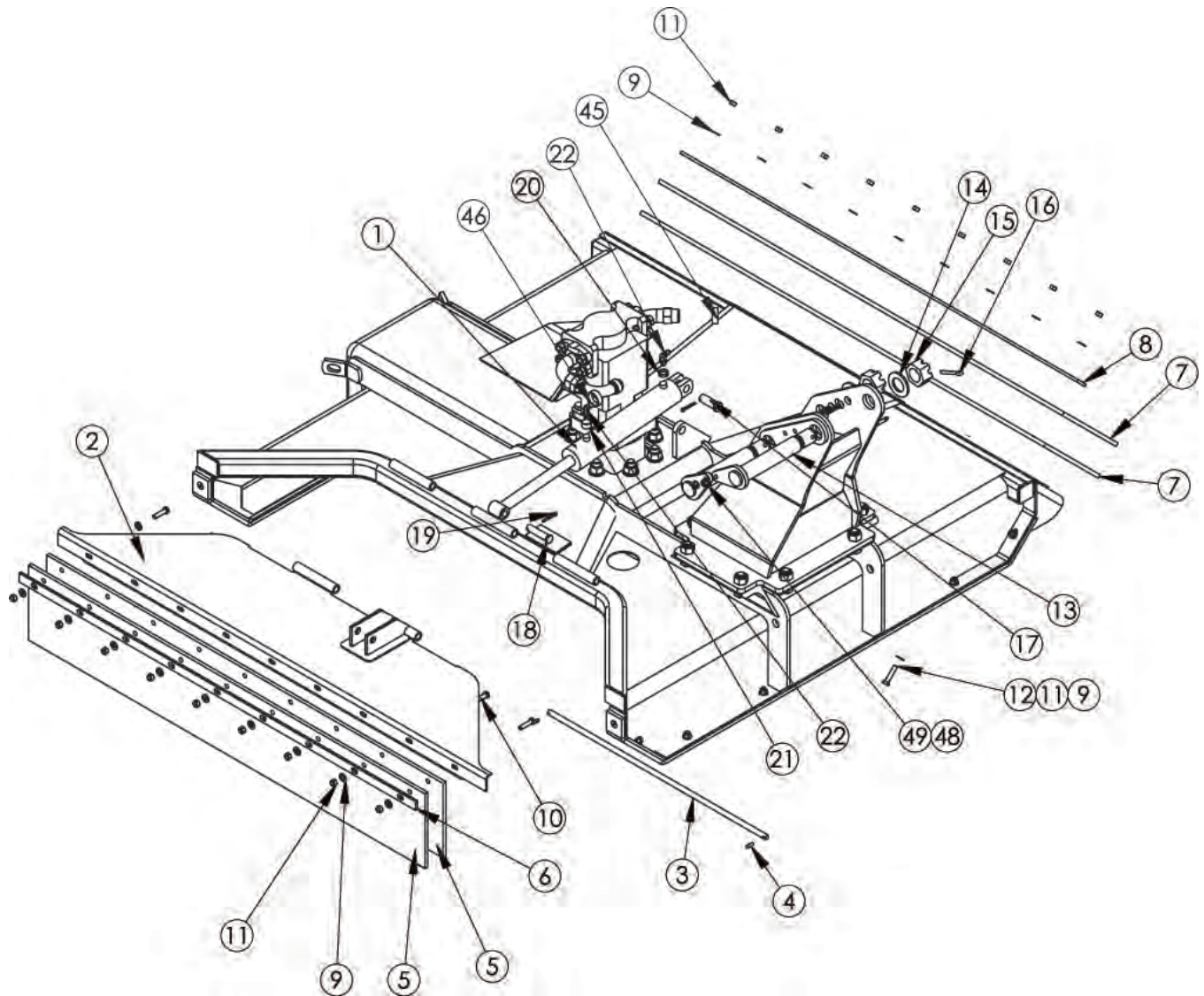
ROTARY HEADS

50 IN ROTARY - BLADE BAR ASY - PN 02982906



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) (PART 1) - PN 02986211

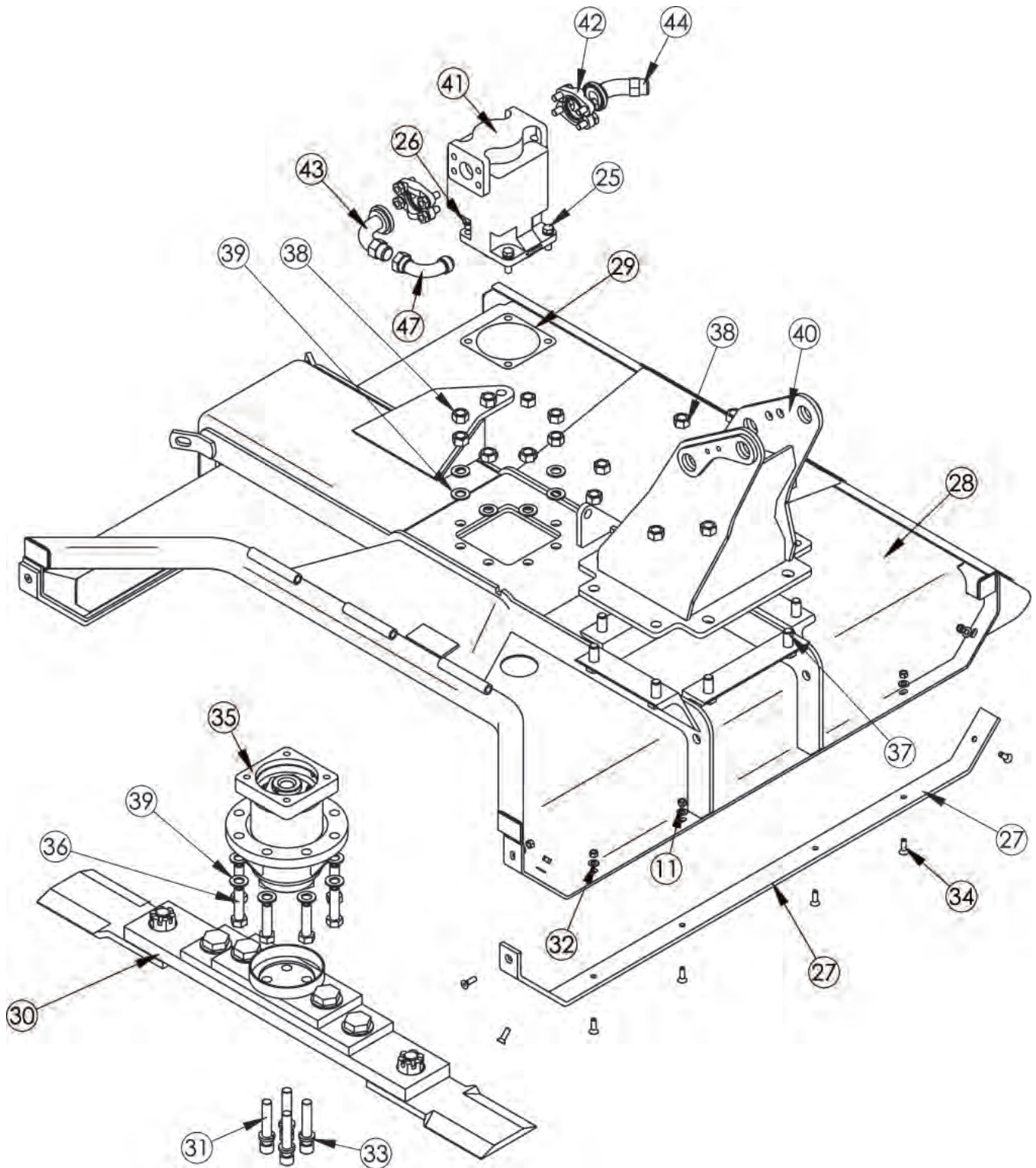


ITEM	PART NO.	QTY.	DESCRIPTION
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 3/8 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER STD 3/8 - PLATED
10	00023100	9	HHCS 3/8 -16UNC 1-1/2 PL5
11	00015800	32	LOCKNUT TLM 3/8-NC PLC
12	00007000	9	BOLT 3/8NC X 1-3/4 PL5

50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT) (PART 1) - PN 02986211**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
13	02981757	2	WELDMENT, PIN, HITCH POST
14	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
15	02971701	2	NUT SLOT 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,5/8 X 2-1/2 DRILLED @
19	00755153	2	PIN,COTTER 3/16 X 1-1/2 PLATED
20	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
21	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
22	02960018	2	ADP HYD ELBOW 4MB-4MJ90
30	02982906	1	ASY, BLADE BAR W/BLADES
45	02968894	1	VINYL TAPE RED 1/2" WIDE
46	02968896	1	VINYL TAPE BLUE 1/2" WIDE
48	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
49	02995908	2	NUT SPRLCK FLG 3/8-16 PL

50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT) (PART 2) - PN 02986211

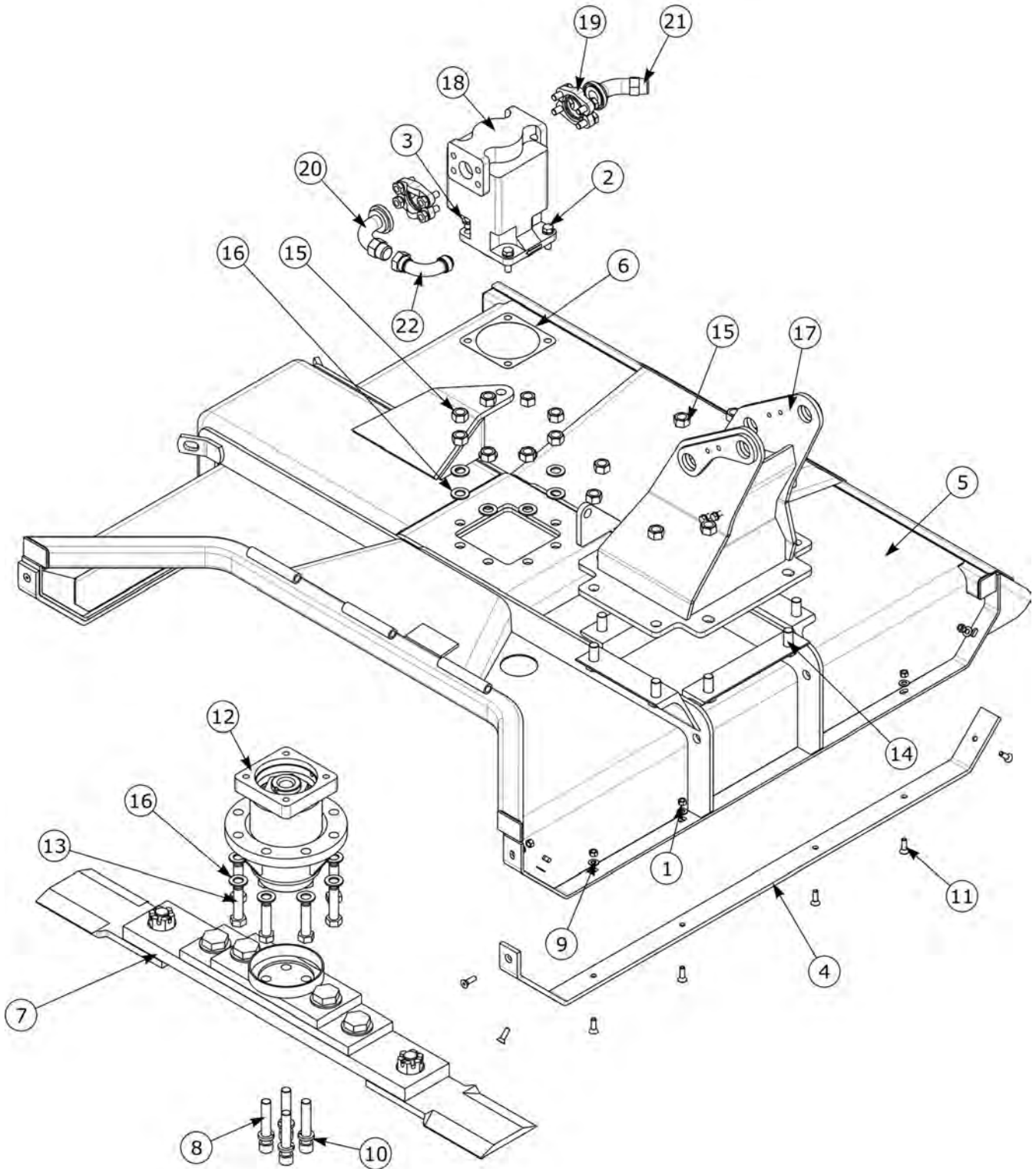


ITEM	PART NO.	QTY.	DESCRIPTION
11	00015800	32	LOCKNUT TLM 3/8-NC PLC
25	02891800	4	HHCS 1/2 NC 1-3/4 PL8

50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT) (PART 2) - PN 02986211**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
26	00019600	4	LOCKWASHER, 1/2, HVY, PL
27	02982907	2	SKID SHOE 50
28	02981411	1	WELDMENT-50 HEAD DECK
29		1	
30	02982906	1	ASY, BLADE BAR W/BLADES
31	02964861	4	SHCS 3/4 NC 4 PL8
32	15B600	14	WASHER 3/8 SAE PLT
33	00003901	4	LOCKWASHER, 3/4, HVY, PL
34	00059700	14	FSCS 3/8 NC 1-1/4
35	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
36	03200269	8	HHCS 3/4 NC 3 PL8
37	02963645	8	HHCS 3/4 NC 1-3/4 PL8
38	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL
39	5312316	16	WASHER,HARDENED 3/4"
40	02986200	1	WELDMENT, HITCHPOST
41	02989904	1	MOTOR,HYD, GEAR, 5.73, HP SEAL
42	00749101	2	SPLIT FLANGE KIT 1-1/2
43	00751842	1	ADP HYD ELBOW 16MJ-24FL90
44	00749104	1	ADP HYD ELBOW 24FL-16MJ45
47	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG

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



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

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986211	1	ASY, 50" ROT, GEAR, BAR
1	00015800	32	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		1	
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°

This diagram is an exploded view of a mechanical assembly, likely a machine tool or a large valve actuator. It shows the main frame and various sub-assemblies. Key components include:

- Main Frame (1):** The central structural component.
- Base (2):** The bottom support structure.
- Guide Rails (3, 4):** Horizontal rails for the sliding mechanism.
- Sliding Assembly (5, 6, 7, 8, 9, 10, 11):** A complex assembly that moves along the guide rails.
- Actuator/Motor (12):** The drive mechanism for the sliding assembly.
- Internal Mechanism (13-15):** A detailed view of the internal linkage and actuator components.
- Control/Adjustment Mechanism (16-20):** Components for adjusting or controlling the movement.
- Support Structure (21-23):** Additional structural elements.
- Fasteners (24-26):** Various bolts and nuts used in the assembly.
- Seals/Gaskets (27):** Components for sealing the assembly.
- Other Components (28-62):** Numerous smaller parts, including pins, washers, and specialized hardware.

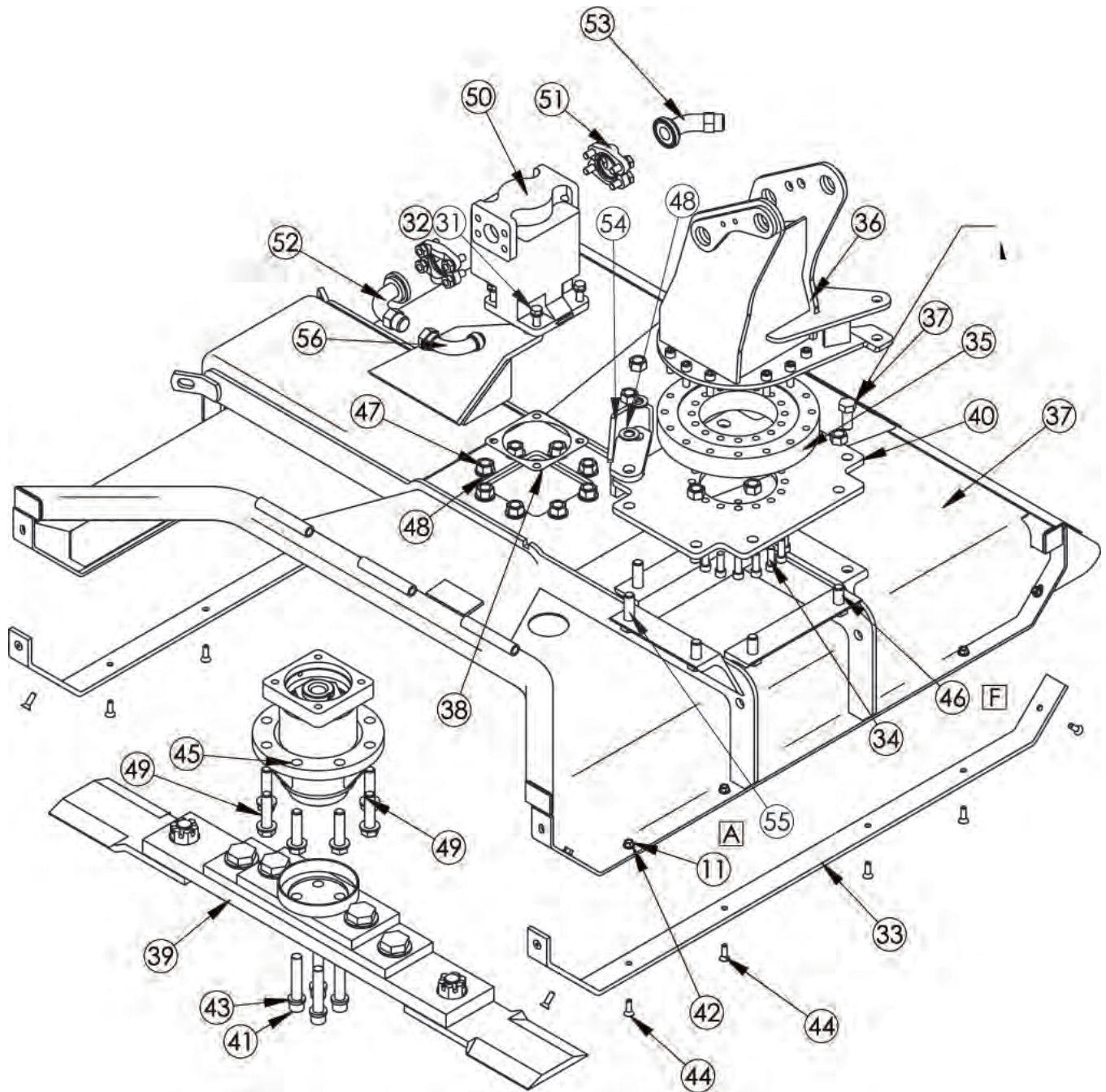
02986950P - Samurai HF (12-08)_03-21

50 IN ROTARY - BLADE BAR - HEAD ASY (SWIVEL MNT) (PART 1) - PN 02986213

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER STD 3/8 - PLATED
10	00023100	9	HHCS 3/8 -16UNC 1-1/2 PL5
11	00015800	18	LOCKNUT TLM 3/8-NC PLC
12	00007000	9	BOLT 3/8NC X 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 NARROW
16	02971701	2	NUT SLOT 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,5/8 X 2-1/2 DRILLED @
20	00755153	2	PIN,COTTER 3/16 X 1-1/2 PLATED
21	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
22	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
23	02960018	2	ADP HYD ELBOW 4MB-4MJ90
24	02968832	1	VINYL TAPE GREEN 1/2" WIDE
25	02968833	1	VINYL TAPE GREEN 1/4" WIDE
26	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
27	02968894	1	VINYL TAPE RED 1/2" WIDE
28	02968896	1	VINYL TAPE BLUE 1/2" WIDE
29		4	
30	02986681	1	PLATE,S/N 50" ROT HEAD GEAR
57	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
58	02995908	2	NUT SPRLCK FLG 3/8-16 PL
59	02991555	2	VINYL TAPE WHITE 1/4" WIDE
60	002416	4	ROLL PIN 1/4 X 1-1/2 LG
61	02995471	1	PIN, 3/4" X 1-7/8" U.L.
62	02995472	1	PIN, 3/4" X 4" U.L.

50 IN ROTARY - BLADE BAR - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986213

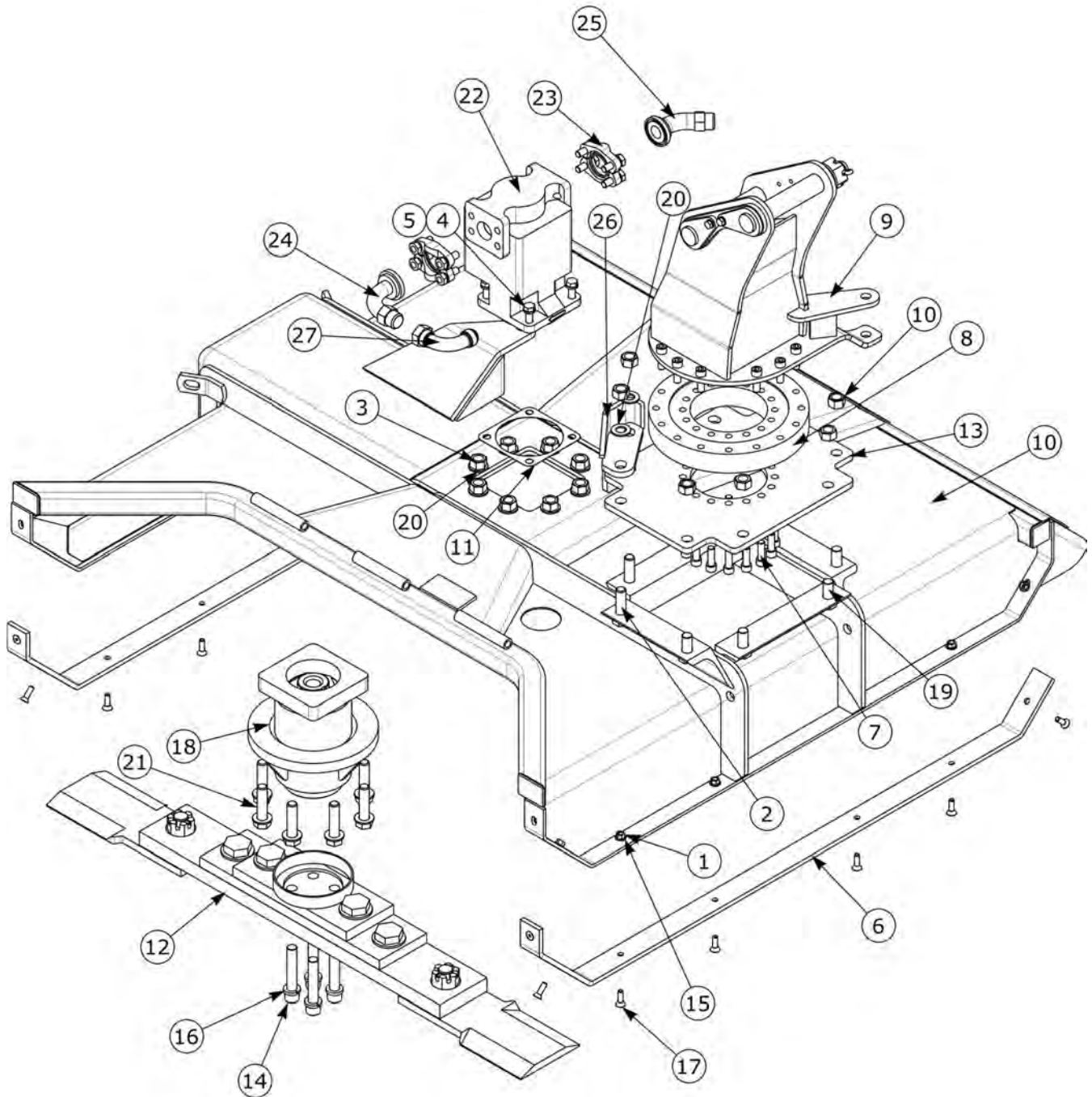


ITEM	PART NO.	QTY.	DESCRIPTION
11	00015800	18	LOCKNUT TLM 3/8-NC PLC
31	02891800	4	HHCS 1/2 NC 1-3/4 PL8
32	00019600	4	LOCKWASHER, 1/2, HVY, PL
33	02982907	2	SKID SHOE 50
34	02981820	28	SHCS 1/2 NC 1-1/2 PL8
35	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
36	02985319	1	WELDMNT, HITCH POST

50 IN ROTARY - BLADE BAR - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986213**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
37	02981411	1	WELDMNT-50 HEAD DECK
38		1	
39	02982906	1	ASY, BLADE BAR W/BLADES
40	02981752	1	PLATE, HITCH POST BOTTOM, MAV
41	02964861	4	SHCS 3/4 NC 4 PL8
42	15B600	14	WASHER 3/8 SAE PLT
43	00003901	4	LOCKWASHER, 3/4, HVY, PL
44	00059700	14	FSCS 3/8 NC 1-1/4
45	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
46	02963645	6	HHCS 3/4 NC 1-3/4 PL8
47	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL
48	5312316	18	WASHER,HARDENED 3/4"
49	03200269	8	HHCS 3/4 NC 3 PL8
50	02989904	1	MOTOR,HYD, GEAR, 5.73, HP SEAL
51	00749101	2	SPLIT FLANGE KIT 1-1/2
52	00751842	1	ADP HYD ELBOW 16MJ-24FL90
53	00749104	1	ADP HYD ELBOW 24FL-16MJ45
54	02984002	1	WLDMNT, STOP SWIVEL
55	02963646	2	HHCS 3/4 NC 2-1/2 PL8
56	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG

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

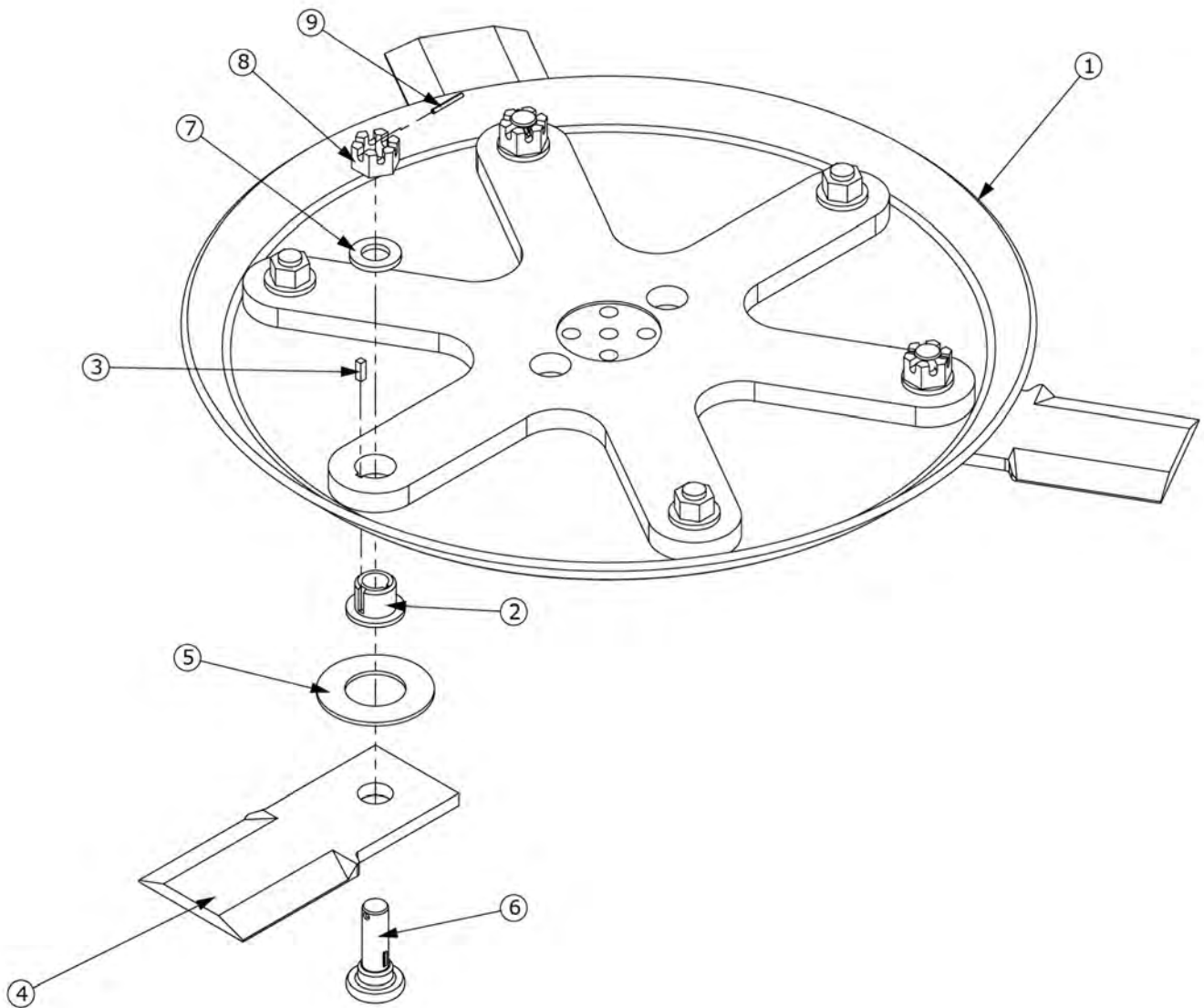


50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SWIVEL MNT)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986213	1	ASY, 50" ROT,GEAR,BAR,SWIVEL
1	00015800	18	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		1	
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°

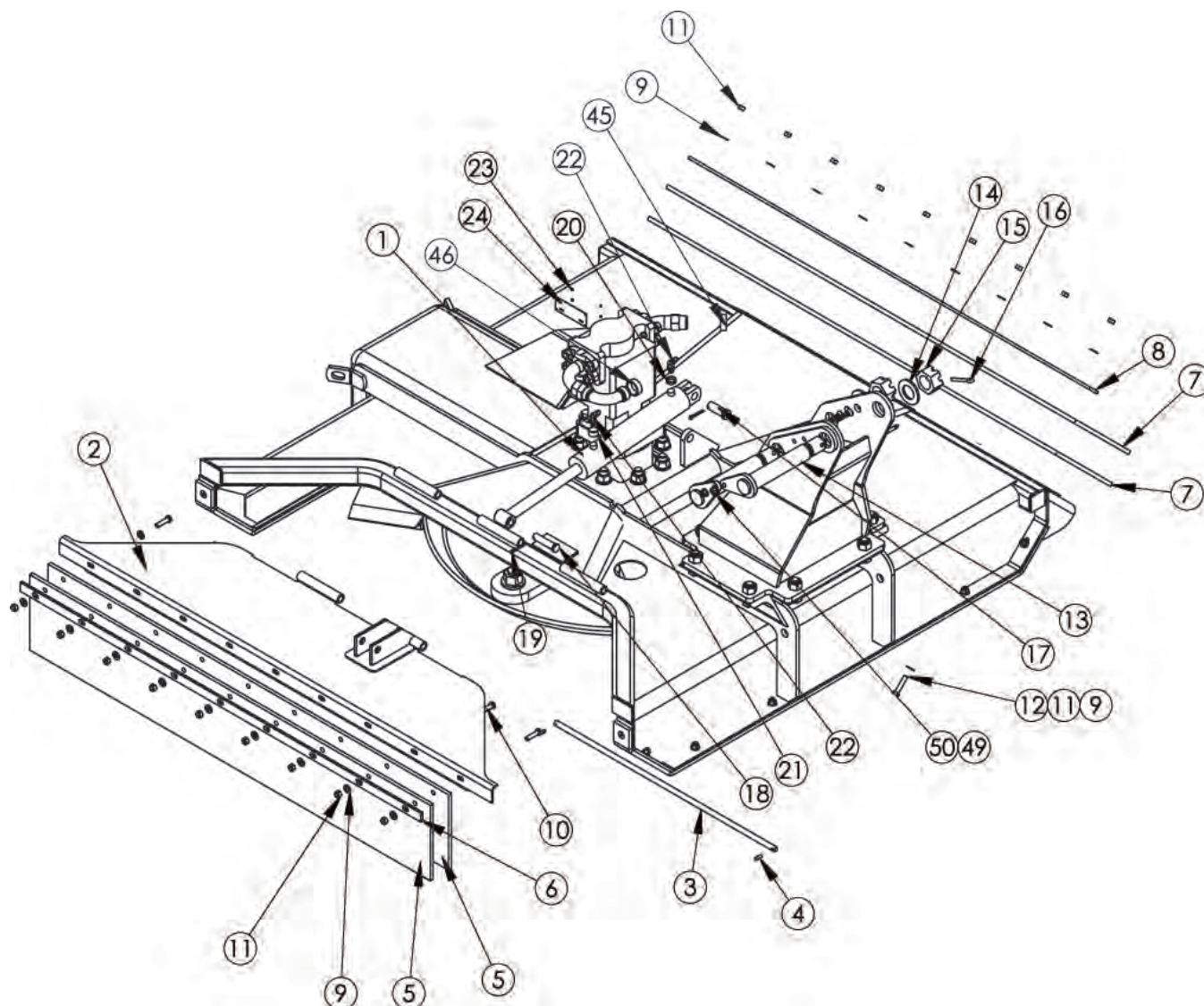
50 IN ROTARY - PAN ASY - 02964457



50 IN ROTARY - PAN ASY - 02964457**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02964457	1	PAN ASSEMBLY 50 A-BOOM
1	02964804	1	PAN SUB-ASY
2	02964161	3	BUSHING,KEYED BLADE BOLT
3	02964954	3	KEY,5/16 SQ X 15/16 LONG
4	02962722	1	BLADES-SET OF 3(50B/A HEAD)
5	02965229	3	WASHER, 2-19/32 ID 5.0 OD 3/16
6	02964330	3	KEYED BLADE BOLT FOR
7	00755623	3	WASHER 2.200 OD1.218 1DX.250
8	00020900	3	NUT SLOT HVY 1-1/8 NF PL5
9	00023200	3	PIN ROLL 3/16X1-3/4

50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT) PART 1 PN 02986210

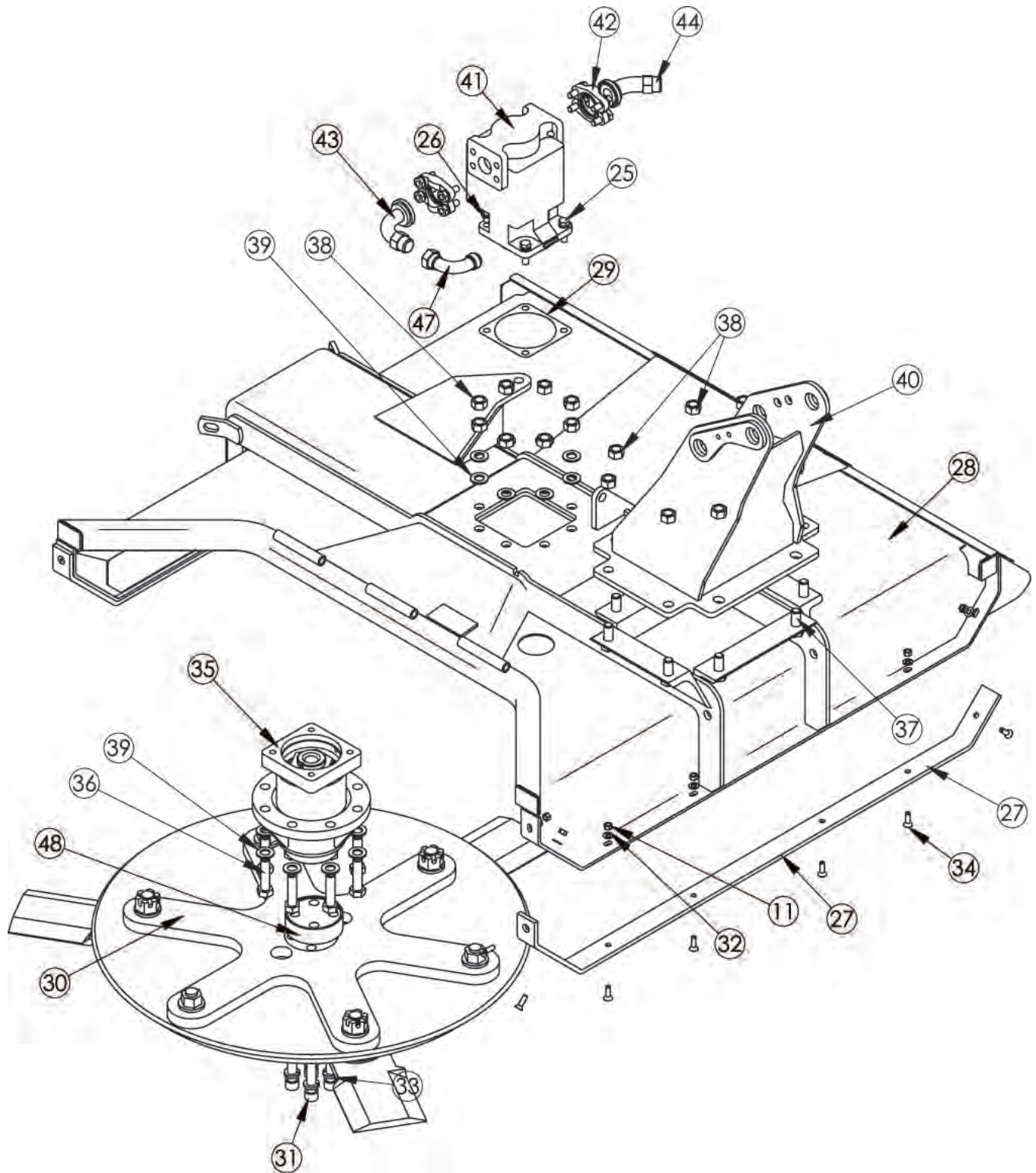


ITEM	PART NO.	QTY.	DESCRIPTION
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 3/8 THK
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER STD 3/8 - PLATED
10	00023100	9	HHCS 3/8 -16UNC 1-1/2 PL5
11	00015800	32	LOCKNUT TLM 3/8-NC PLC
12	00007000	9	BOLT 3/8NC X 1-3/4 PL5

50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT) PART 1 PN 02986210**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
13	02981757	2	WELDMENT, PIN, HITCH POST
14	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
15	02971701	2	NUT SLOT 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,5/8 X 2-1/2 DRILLED @
19	00755153	2	PIN,COTTER 3/16 X 1-1/2 PLATED
20	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
21	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
22	02960018	2	ADP HYD ELBOW 4MB-4MJ90
23		4	
24	02986681	1	PLATE,S/N 50" ROT HEAD GEAR
45	02968894	1	VINYL TAPE RED 1/2" WIDE
46	02968896	1	VINYL TAPE BLUE 1/2" WIDE
49	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
50	02995908	2	NUT SPRLCK FLG 3/8-16 PL

50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT) PART 2 PN 02986210



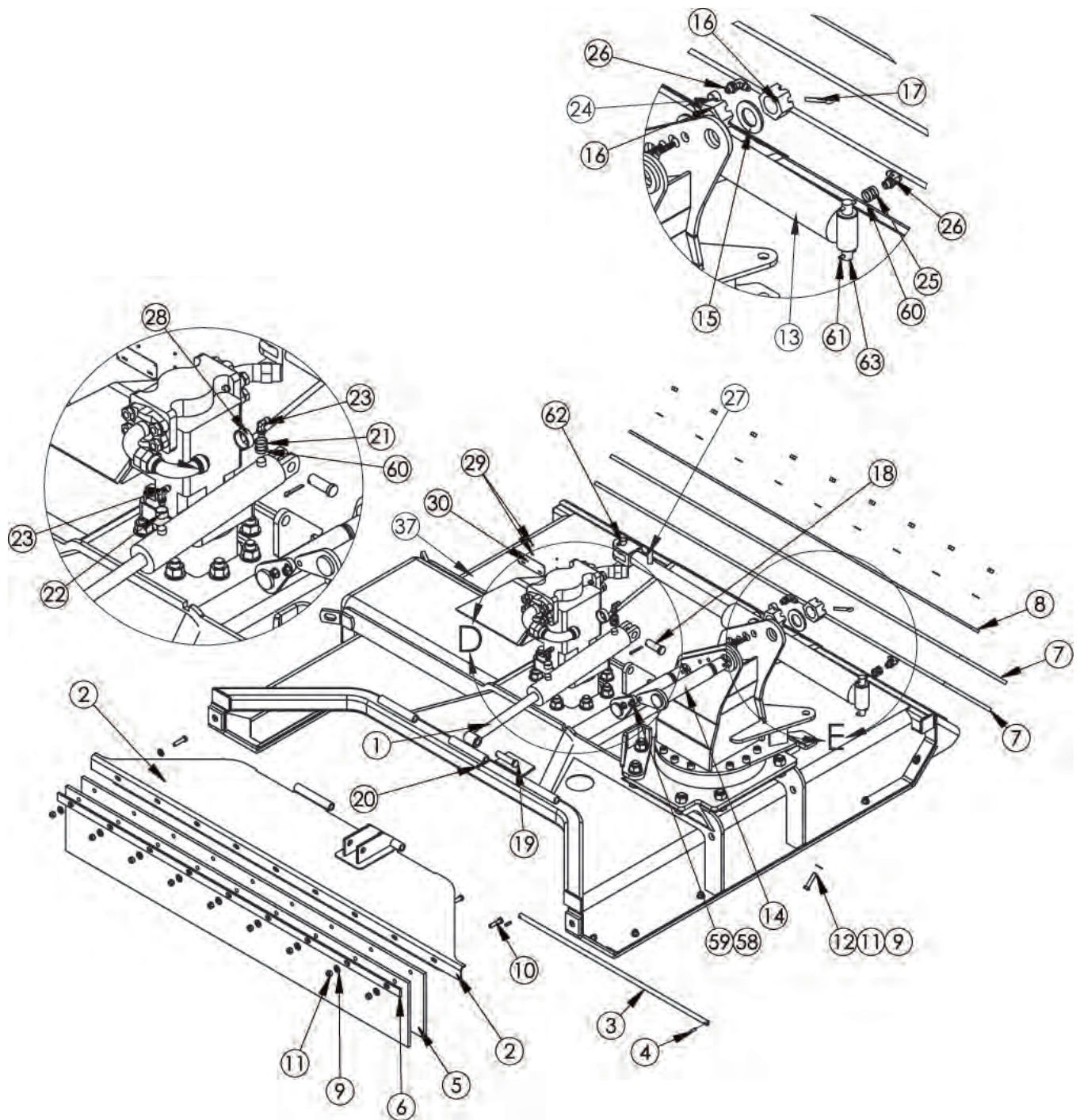
ITEM	PART NO.	QTY.	DESCRIPTION
11	00015800	32	LOCKNUT TLM 3/8-NC PLC

50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT) PART 2 PN 02986210

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
25	02891800	4	HHCS 1/2 NC 1-3/4 PL8
26	00019600	4	LOCKWASHER, 1/2, HVY, PL
27	02982907	2	SKID SHOE 50
28	02981411	1	WELDMENT-50 HEAD DECK
29		1	
30	02964457	1	PAN ASSEMBLY 50 A-BOOM
31	02964861	4	SHCS 3/4 NC 4 PL8
32	15B600	14	WASHER 3/8 SAE PLT
33	00003901	4	LOCKWASHER, 3/4, HVY, PL
34	00059700	14	FSCS 3/8 NC 1-1/4
35	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
36	03200269	8	HHCS 3/4 NC 3 PL8
37	02963645	8	HHCS 3/4 NC 1-3/4 PL8
38	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL
39	5312316	16	WASHER,HARDENED 3/4"
40	02986200	1	WELDMENT, HITCHPOST
41	02989904	1	MOTOR,HYD, GEAR, 5.73, HP SEAL
42	00749101	2	SPLIT FLANGE KIT 1-1/2
43	00751842	1	ADP HYD ELBOW 16MJ-24FL90
44	00749104	1	ADP HYD ELBOW 24FL-16MJ45
47	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG
48	02984822	1	SPACER,1 1/2 BLADE BAR

50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT) (PART 1)- PN 02986212



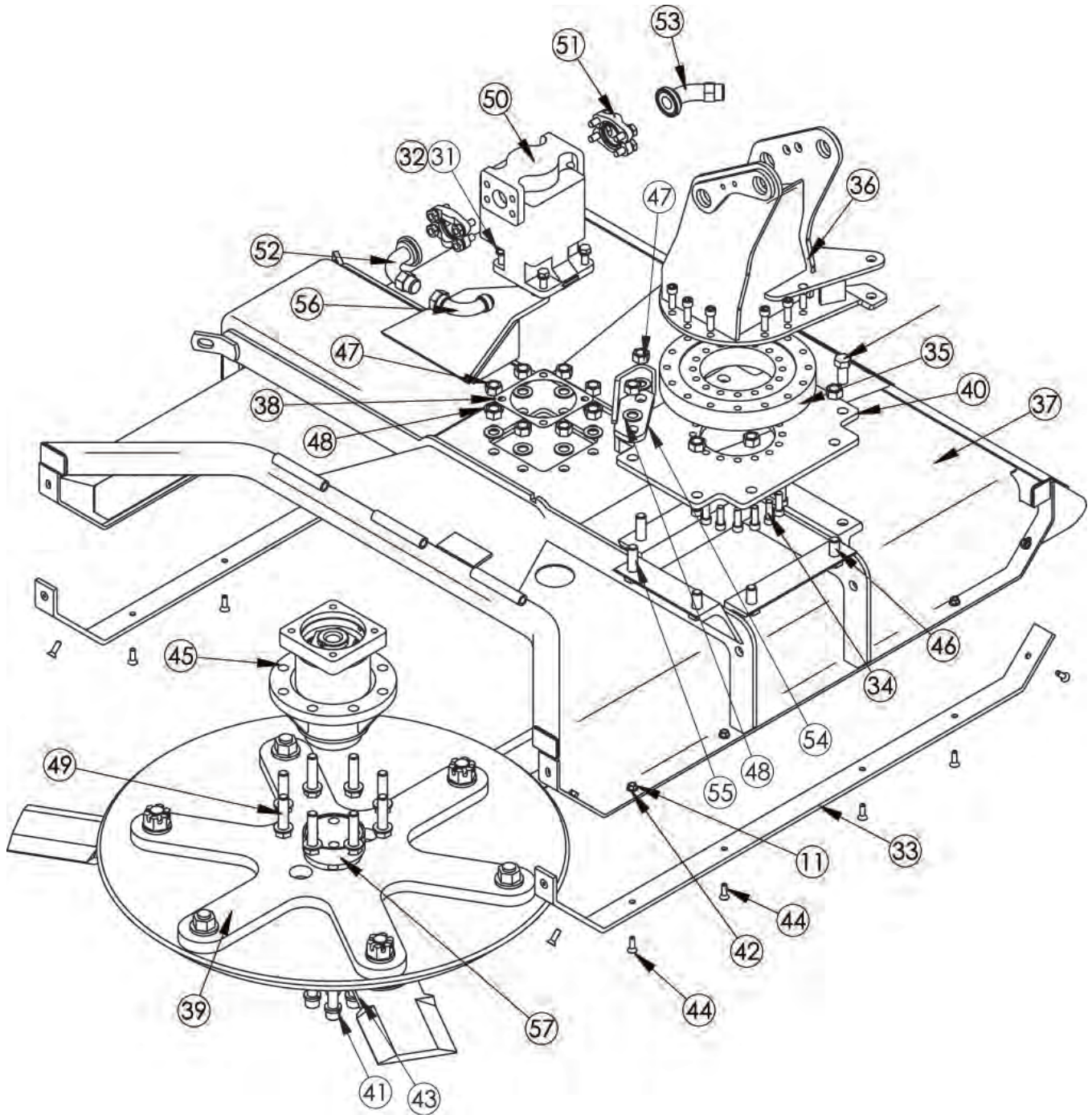
ITEM	PART NO.	QTY.	DESCRIPTION
1	02961480A	1	HYD CYLINDER 2BORE X 9-1/4
2	02982914	1	WELDMENT, DOOR
3	02982915	1	ROD, HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02982919	2	FLAP, 8 1/2 X 52 X 3/8 THK

50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT) (PART 1)- PN 02986212

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	02982918	1	BAR, HOLD DOWN, FLAP
7	02982920	2	FLAP, REAR 10 X 53 X 3/8THK
8	02982921	1	BAR, CLAMP, REAR
9	00011100	36	FLATWASHER STD 3/8 - PLATED
10	00023100	9	HHCS 3/8 -16UNC 1-1/2 PL5
11	00015800	18	LOCKNUT TLM 3/8-NC PLC
12	00007000	9	BOLT 3/8NC X 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 NARROW
16	02971701	2	NUT SLOT 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,5/8 X 2-1/2 DRILLED @
20	00755153	2	PIN,COTTER 3/16 X 1-1/2 PLATED
21	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
22	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
23	02960018	2	ADP HYD ELBOW 4MB-4MJ90
24	02968832	1	VINYL TAPE GREEN 1/2" WIDE
25	02968833	1	VINYL TAPE GREEN 1/4" WIDE
26	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
27	02968894	1	VINYL TAPE RED 1/2" WIDE
29		4	
30	02986681	1	PLATE,S/N 50" ROT HEAD GEAR
37	02981411	1	WELDMENT-50 HEAD DECK
58	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
59	02995908	2	NUT SPRLCK FLG 3/8-16 PL
60	02991555	2	VINYL TAPE WHITE 1/4" WIDE
61	002416	4	ROLL PIN 1/4 X 1-1/2 LG
62	02995471	1	PIN, 3/4" X 1-7/8" U.L.
63	02995472	1	PIN, 3/4" X 4" U.L.

50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986212



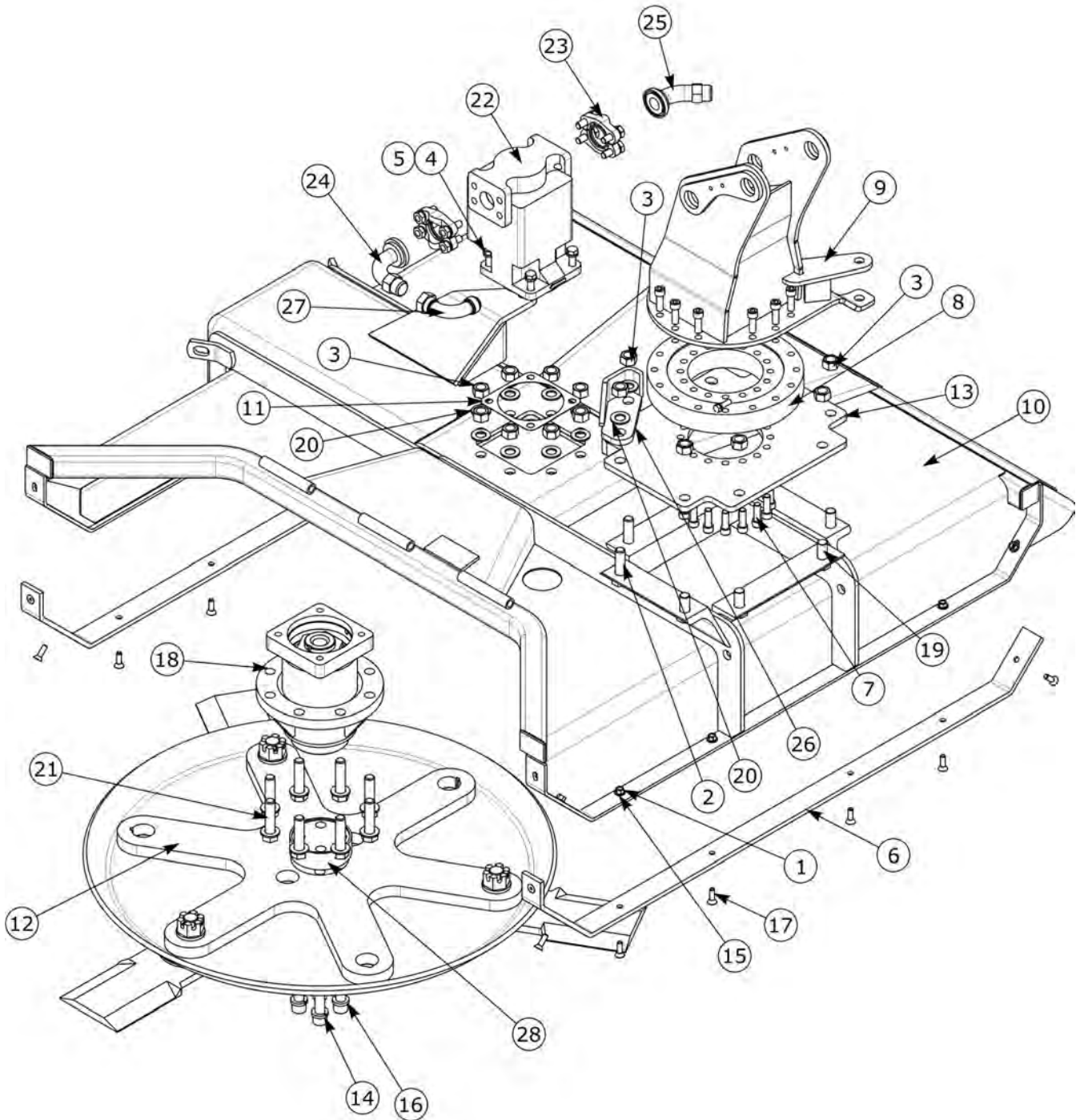
ITEM	PART NO.	QTY.	DESCRIPTION
11	00015800	18	LOCKNUT TLM 3/8-NC PLC
31	02891800	4	HHCS 1/2 NC 1-3/4 PL8
32	00019600	4	LOCKWASHER, 1/2, HVY, PL
33	02982907	2	SKID SHOE 50
34	02981820	28	SHCS 1/2 NC 1-1/2 PL8

50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986212

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
35	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
36	02985319	1	WELDMENT, HITCH POST
37	02981411	1	WELDMENT-50 HEAD DECK
38		1	
39	02964457	1	PAN ASSEMBLY 50 A-BOOM
40	02981752	1	PLATE, HITCH POST BOTTOM, MAV
41	02964861	4	SHCS 3/4 NC 4 PL8
42	15B600	14	WASHER 3/8 SAE PLT
43	00003901	4	LOCKWASHER, 3/4, HVY, PL
44	00059700	14	FSCS 3/8 NC 1-1/4
45	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
46	02963645	6	HHCS 3/4 NC 1-3/4 PL8
47	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL
48	5312316	18	WASHER,HARDENED 3/4"
49	03200269	8	HHCS 3/4 NC 3 PL8
50	02989904	1	MOTOR,HYD, GEAR, 5.73, HP SEAL
51	00749101	2	SPLIT FLANGE KIT 1-1/2
52	00751842	1	ADP HYD ELBOW 16MJ-24FL90
53	00749104	1	ADP HYD ELBOW 24FL-16MJ45
54	02984002	1	WLDMNT, STOP SWIVEL
55	02963646	2	HHCS 3/4 NC 2-1/2 PL8
56	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG
57	02984822	1	SPACER,1 1/2 BLADE BAR

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

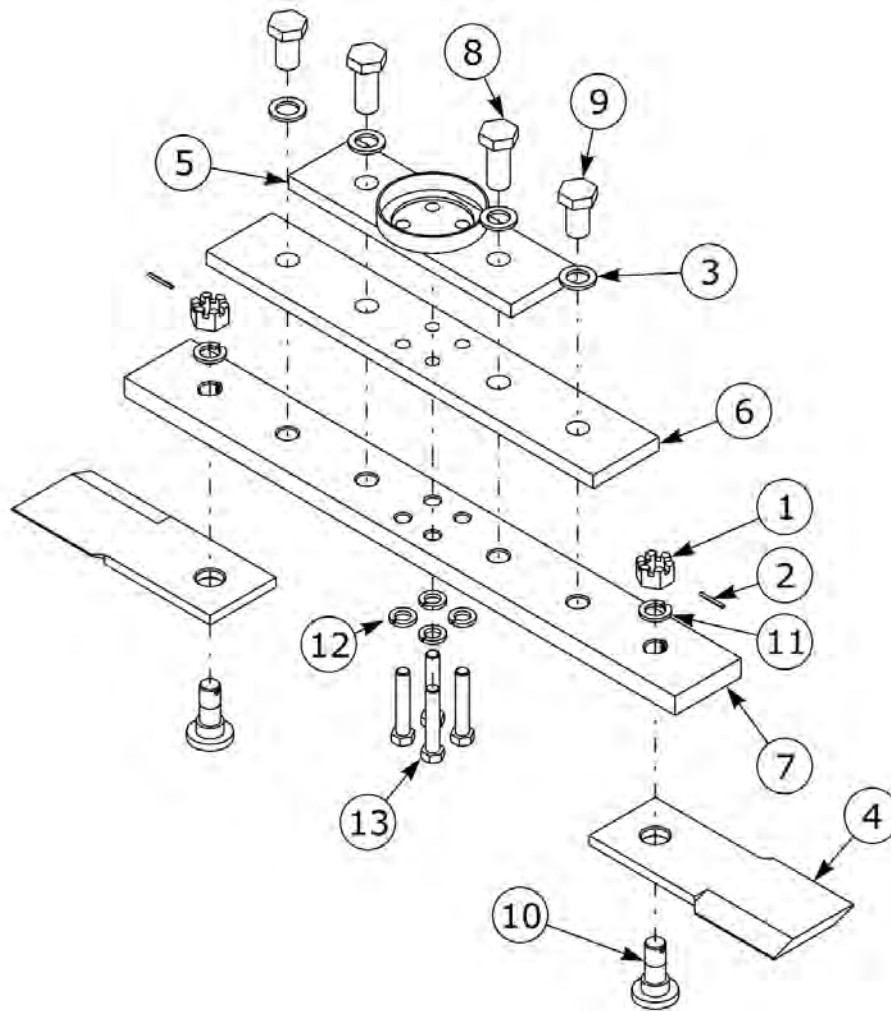


50 IN ROTARY - BLADE PAN - HEAD SUB-ASY (SWIVEL MNT)

Continued...

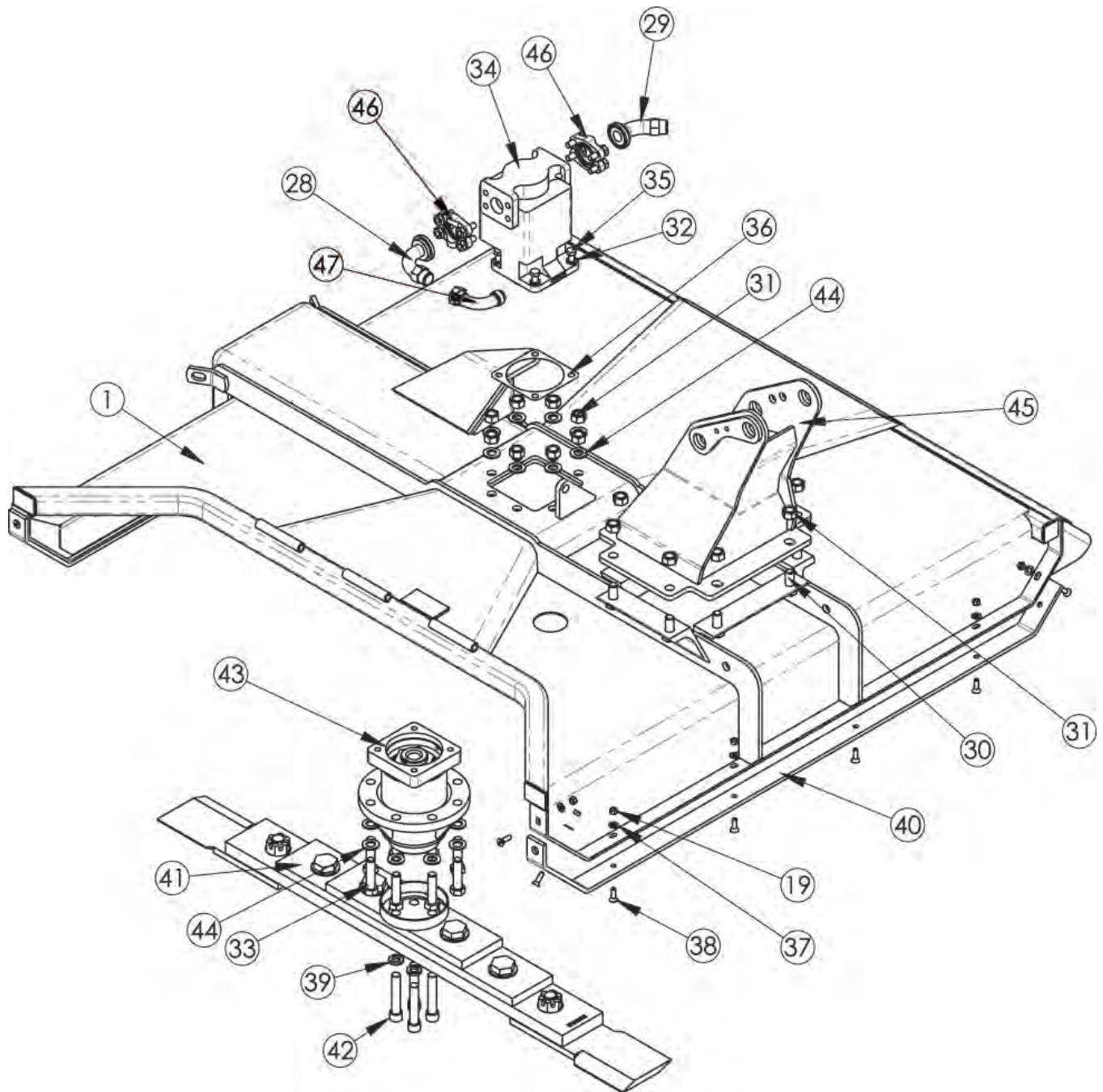
ITEM	PART NO.	QTY.	DESCRIPTION
	02986212	1	ASY, 50" ROT,GEAR,PAN,SWIVEL
1	00015800	18	LOCKNUT TLM 3/8 NC PLC
2	02963646	3	HHCS 3/4 NC 2-1/2 PL8
3	00037200	18	NUT 3/4 NC LOCKNUT
4	02891800	4	HHCS 1/2 NC 1-3/4 PL8
5	00019600	4	LOCKWASHER 1/2 HEAVY
6	02982907	2	SKID SHOE
7	02981820	28	SHCS 1/2 NC X 1 1/2" 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		1	
12	02964457	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°
28	02984822	1	SPACER BLADE PAN
29	02972949	2	BOLT, HHCS 3/8 NC 1-1/4 PL8
30	00012101	2	LOCKWASHER, 3/8" PL

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	15C2000	4	WASHER, 1.375 X 2.50 X .165, HARDENED
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	00003901	4	LOCKWASHER, 3/4" PL HEAVY
13	02964861	4	BOLT, SOCKET HEAD 3/4"-NC X 4" PL GR8
14	02984572	1	BLADE BOLTS, NUTS, ROLLPIN KIT (INCLUDES 2 EACH OF ITEMS 1, 2, & 10)

60 IN ROTARY - HEAD ASY (SOLID MNT) (PART 1) PN 02986203

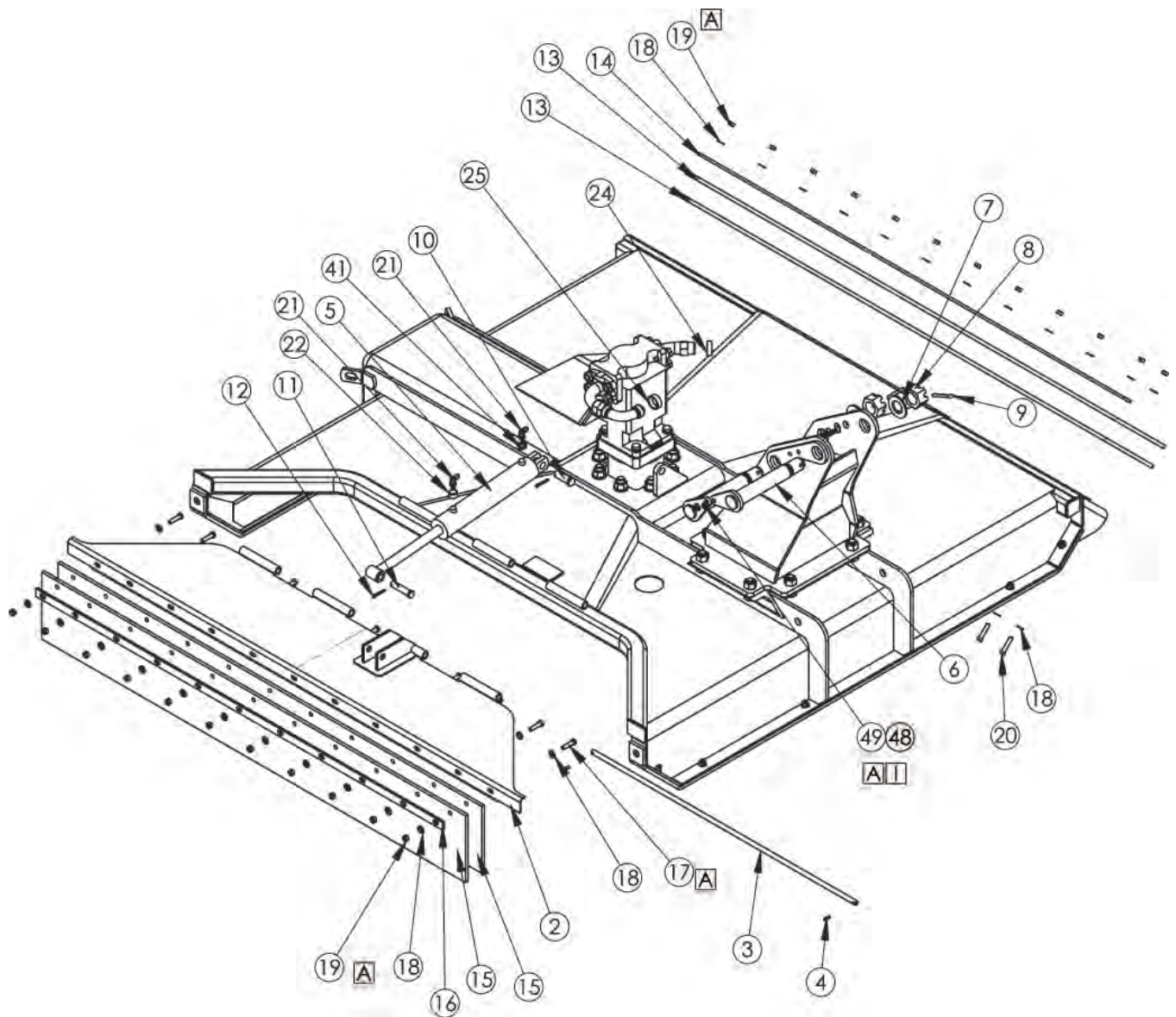


ITEM	PART NO.	QTY.	DESCRIPTION
1	02981410	1	WELDMENT, 60 ROTARY, SWIVEL
19	00015800	37	LOCKNUT TLM 3/8-NC PLC
28	00751842	1	ADP HYD ELBOW 16MJ-24FL90
29	00749104	1	ADP HYD ELBOW 24FL-16MJ45
30	02963645	8	HHCS 3/4 NC 1-3/4 PL8
31	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL

60 IN ROTARY - HEAD ASY (SOLID MNT) (PART 1) PN 02986203**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
32	00019600	4	LOCKWASHER, 1/2, HVY, PL
33	03200269	8	HHCS 3/4 NC 3 PL8
34	02989904	1	MOTOR,HYD, GEAR, 5.73, HP SEAL
35	02891800	4	HHCS 1/2 NC 1-3/4 PL8
36		1	
37	15B600	14	WASHER 3/8 SAE PLT
38	00059700	14	FSCS 3/8 NC 1-1/4
39	00003901	4	LOCKWASHER, 3/4, HVY, PL
40	02966899	2	SKID SHOE
41	02969230	1	ASY,BLADE BAR W/BLADES
42	02964861	4	SHCS 3/4 NC 4 PL8
43	02968859A	1	ASY,SPINDLE HOUSING-SPLINED
44	5312316	16	WASHER,HARDENED 3/4"
45	02986200	1	WELDMENT, HITCHPOST
46	00749101	2	SPLIT FLANGE KIT 1-1/2
47	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG

60 IN ROTARY - HEAD ASY (SOLID MNT) (PART 2) PN 02986203

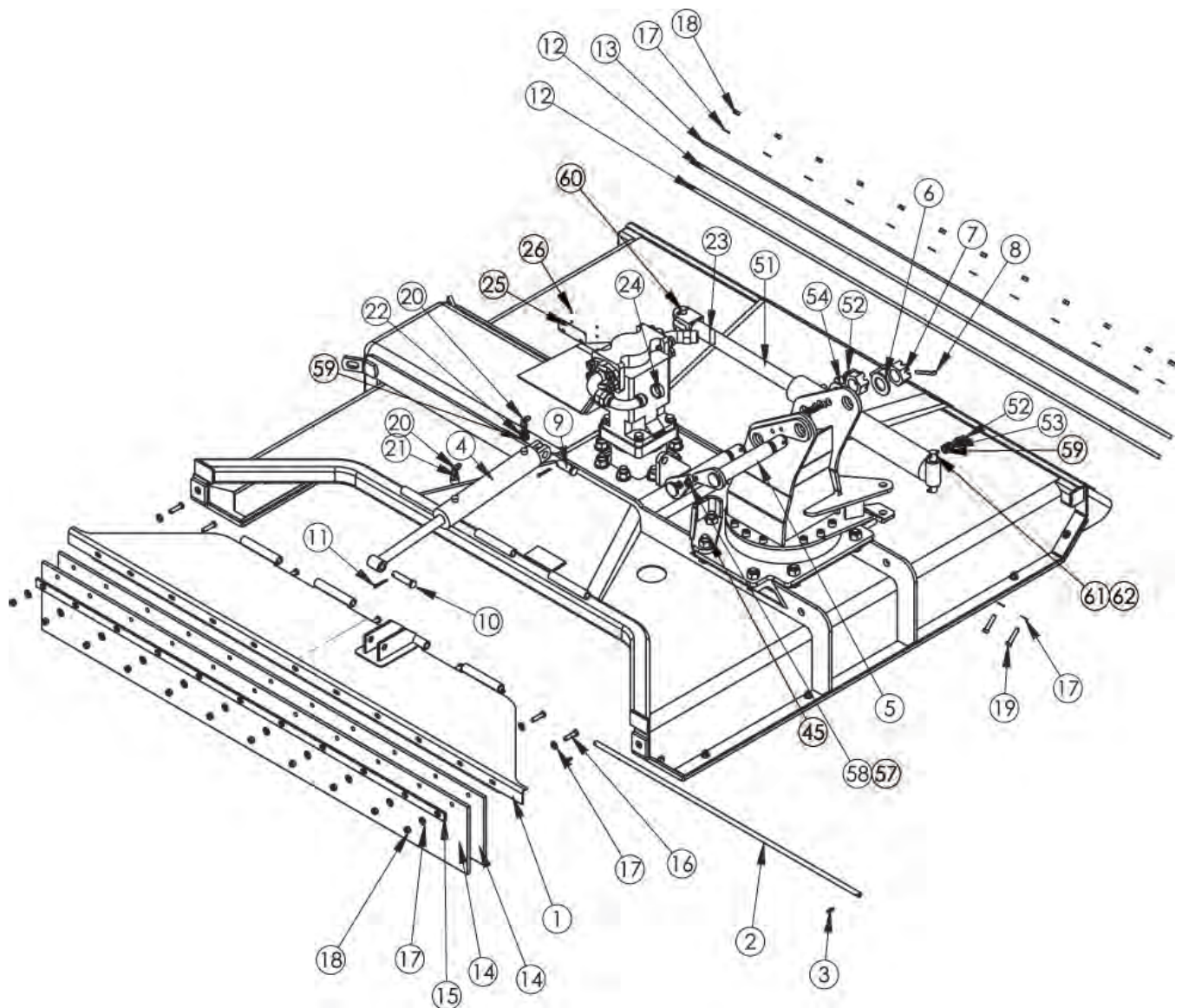


ITEM	PART NO.	QTY.	DESCRIPTION
2	02971963	1	WELDMENT, DOOR
3	02967782	1	ROD-HINGE
4	99338S	2	PIN ROLL 1/4 X 3/4
5	02961480A	1	HYD CYLINDER 2BORE X 9-1/4
6	02981757	2	WELDMENT, PIN, HITCH POST
7	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
8	02971701	2	NUT SLOT 1-3/8 12NF PLB
9	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
10	651102	1	PIN, DRILLED
11	02976448	1	PIN, 5/8 X 2-1/2 DRILLED @
12	00755153	2	PIN, COTTER 3/16 X 1-1/2 PLATED

60 IN ROTARY - HEAD ASY (SOLID MNT) (PART 2) PN 02986203**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
13	02885700	2	REAR FLAP 10 X 63 X 3/8 THK
14	02885800	1	REAR CLAMP BAR
15	00759862	2	SHIELD-DEBRIS DEFLECTOR REAR C
16	00756875	1	FLAP HOLD DOWN BAR
17	00023100	11	HHCS 3/8 -16UNC 1-1/2 PL5
18	00011100	46	FLATWASHER STD 3/8 - PLATED
19	00015800	37	LOCKNUT TLM 3/8-NC PLC
20	00007000	12	BOLT 3/8NC X 1-3/4 PL5
21	02960018	2	ADP HYD ELBOW 4MB-4MJ90
22	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
23	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
24	02968894	1	VINYL TAPE RED 1/2" WIDE
25	02968896	1	VINYL TAPE BLUE 1/2" WIDE
48	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
49	02995908	2	NUT SPRLCK FLG 3/8-16 PL

60 IN ROTARY - HEAD ASY (SWIVEL MNT) PN 02986190 PART 1

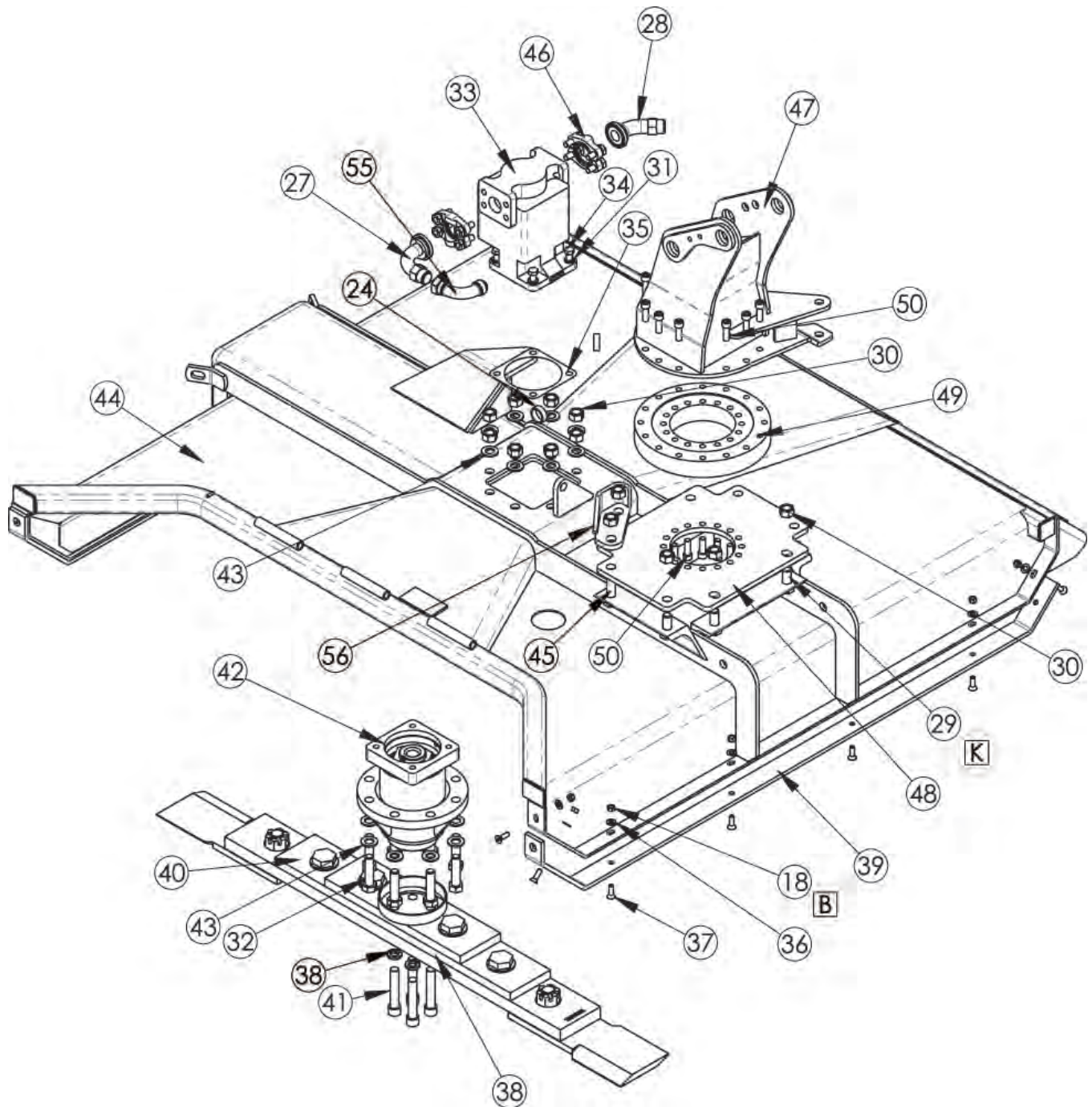


ITEM	PART NO.	QTY.	DESCRIPTION
1	02971963	1	WELDMENT, DOOR
2	02967782	1	ROD-HINGE
3	99338S	2	PIN ROLL 1/4 X 3/4
4	02961480A	1	HYD CYLINDER 2BORE X 9-1/4
5	02981757	2	WELDMENT, PIN, HITCH POST
6	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
7	02971701	2	NUT SLOT 1-3/8 12NF PLB
8	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
9	651102	1	PIN, DRILLED
10	02976448	1	PIN, 5/8 X 2-1/2 DRILLED @
11	00755153	2	PIN, COTTER 3/16 X 1-1/2 PLATED

60 IN ROTARY - HEAD ASY (SWIVEL MNT) PN 02986190 PART 1**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
12	02885700	2	REAR FLAP 10 X 63 X 3/8 THK
13	02885800	1	REAR CLAMP BAR
14	00759862	2	SHIELD-DEBRIS DEFLECTOR REAR C
15	00756875	1	FLAP HOLD DOWN BAR
16	00023100	11	HHCS 3/8 -16UNC 1-1/2 PL5
17	00011100	46	FLATWASHER STD 3/8 - PLATED
18	00015800	37	LOCKNUT TLM 3/8-NC PLC
19	00007000	12	BOLT 3/8NC X 1-3/4 PL5
20	02960018	2	ADP HYD ELBOW 4MB-4MJ90
21	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
22	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
23	02968894	1	VINYL TAPE RED 1/2" WIDE
24	02968896	1	VINYL TAPE BLUE 1/2" WIDE
51	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
52	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
53	02968833	1	VINYL TAPE GREEN 1/4" WIDE
54	02968832	1	VINYL TAPE GREEN 1/2" WIDE
57	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
58	02995908	2	NUT SPRLCK FLG 3/8-16 PL
59	02991555	2	VINYL TAPE WHITE 1/4" WIDE
60	02995471	1	PIN, 3/4" X 1-7/8" U.L.
61	02995472	1	PIN, 3/4" X 4" U.L.
62	002416	4	ROLL PIN 1/4 X 1-1/2 LG

60 IN ROTARY - HEAD ASY (SWIVEL MNT) PN 02986190 PART 2



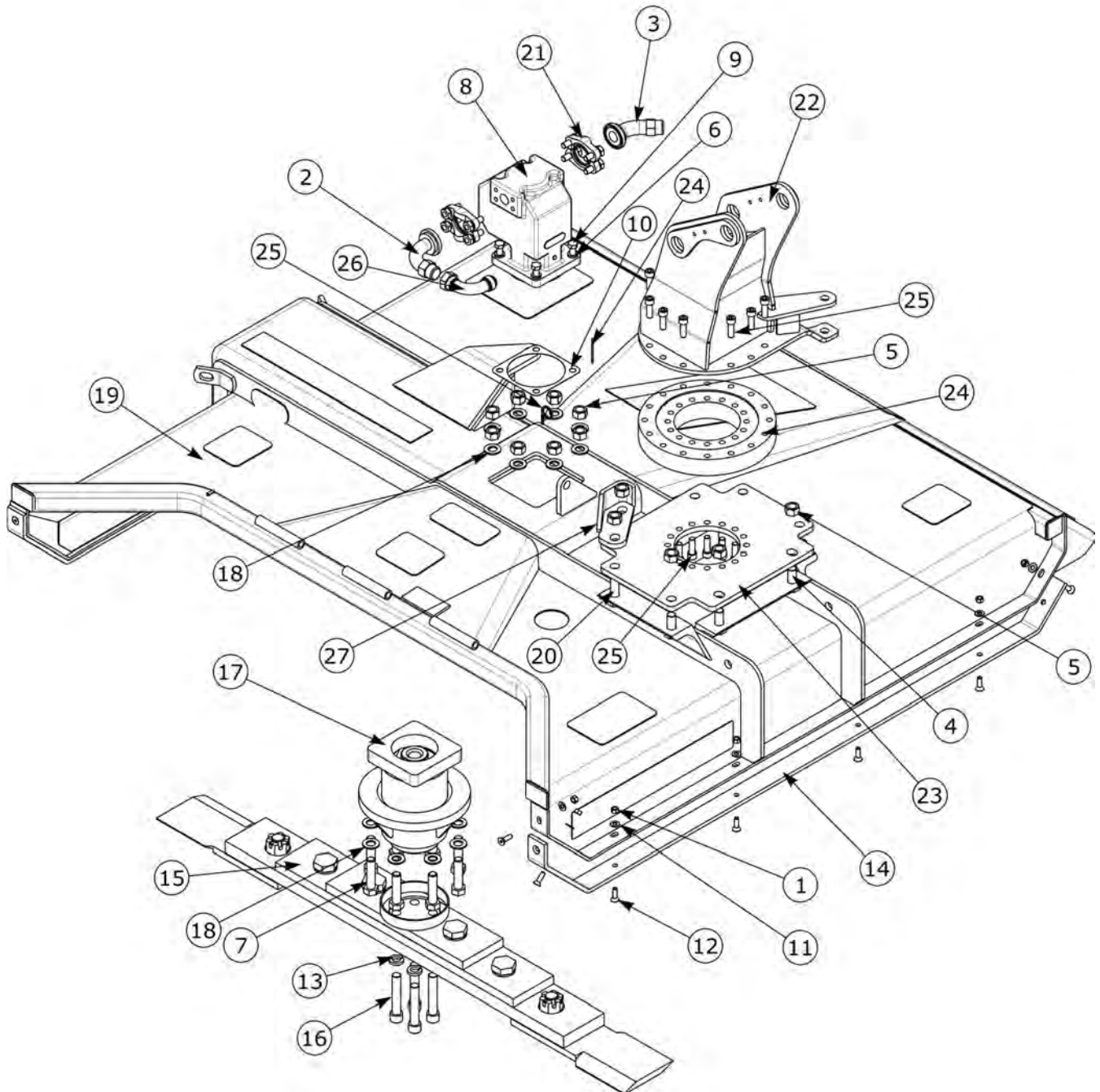
ITEM	PART NO.	QTY.	DESCRIPTION
18	00015800	37	LOCKNUT TLM 3/8-NC PLC
27	00751842	1	ADP HYD ELBOW 16MJ-24FL90
28	00749104	1	ADP HYD ELBOW 24FL-16MJ45
29	02963645	6	HHCS 3/4 NC 1-3/4 PL8
30	00037200	16	NUT,HEX TOPLOCK 3/4 NC GR.C PL
31	00019600	4	LOCKWASHER, 1/2, HVY, PL

60 IN ROTARY - HEAD ASY (SWIVEL MNT) PN 02986190 PART 2

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
32	03200269	8	HHCS 3/4 NC 3 PL8
33	02989904	1	MOTOR, HYD, GEAR, 5.73, HP SEAL
34	02891800	4	HHCS 1/2 NC 1-3/4 PL8
35		1	
36	15B600	14	WASHER 3/8 SAE PLT
37	00059700	14	FSCS 3/8 NC 1-1/4
38	00003901	4	LOCKWASHER, 3/4, HVY, PL
39	02966899	2	SKID SHOE
40	02969230	1	ASY, BLADE BAR W/BLADES
41	02964861	4	SHCS 3/4 NC 4 PL8
42	02968859A	1	ASY, SPINDLE HOUSING-SPLINED
43	5312316	16	WASHER, HARDENED 3/4"
44	02981410	1	WELDMENT, 60 ROTARY, SWIVEL
45	02963646	2	HHCS 3/4 NC 2-1/2 PL8
46	00749101	2	SPLIT FLANGE KIT 1-1/2
47	02985319	1	WELDMENT, HITCH POST
48	02981752	1	PLATE, HITCH POST BOTTOM, MAV
49	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
50	02981820	28	SHCS 1/2 NC 1-1/2 PL8
55	02958858	1	ADP TUBE ELBOW 16MJ-16FJX 90DG
56	02984002	1	WLDMNT, STOP SWIVEL

60 IN ROTARY - HEAD SUB-ASY (SWIVEL MNT)

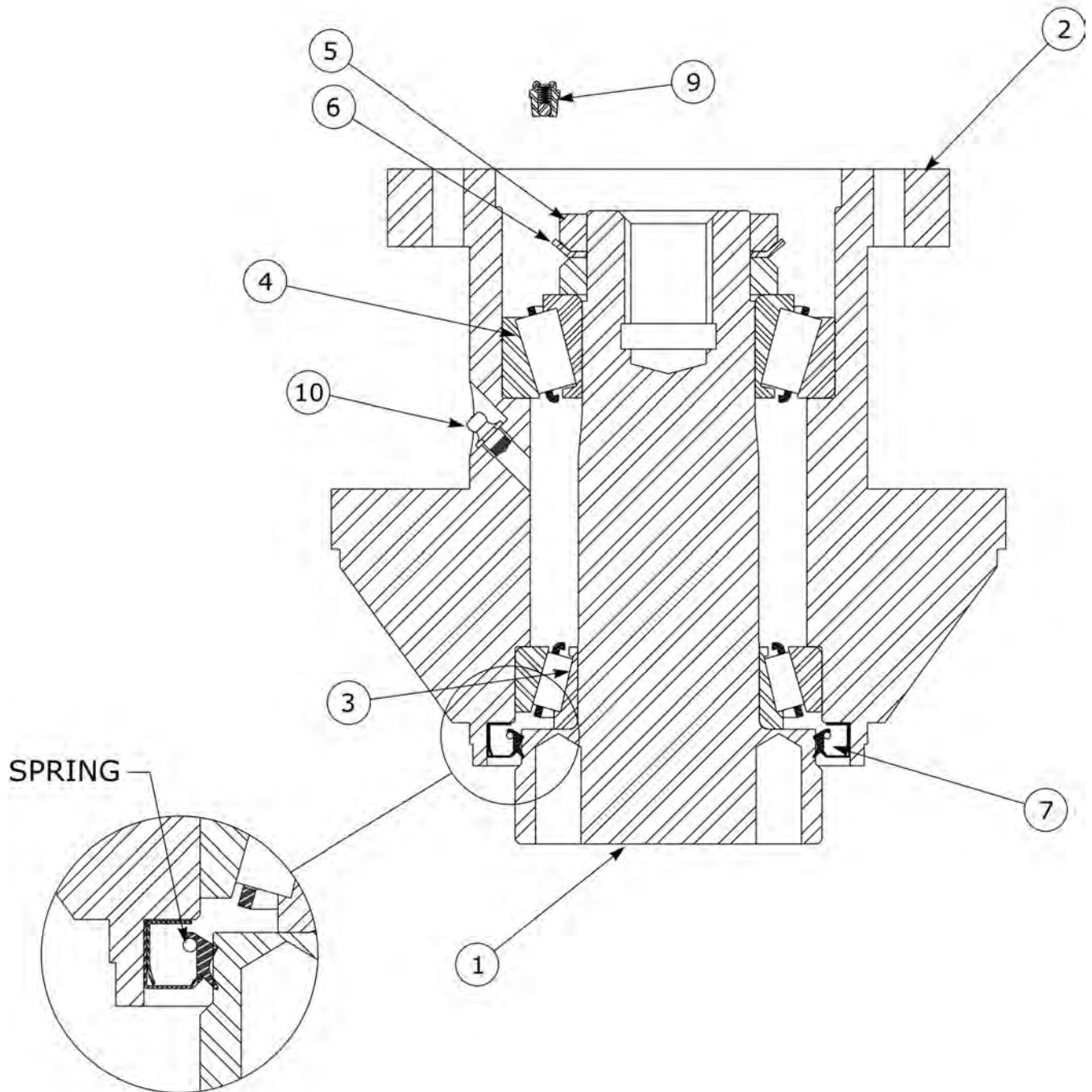


60 IN ROTARY - HEAD SUB-ASY (SWIVEL MNT)

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 HEAVY
7	03200269	8	HHCS 3/4 NC 3 PL8
8	02989904	1	HYD MOTOR, CAST IRON, SPLINED
9	02891800	4	HHCS 1/2 NC 1-3/4 PL8
10		1	
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	WELDMENT,60" ROTARY,SWIVEL
20	02963646	3	HHCS 3/4 NC 2-1/2 PL8
21	00749101	2	SPLIT FLANGE KIT #24
22	02985319	1	WELDMENT, 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

ROTARY - SPINDLE ASY

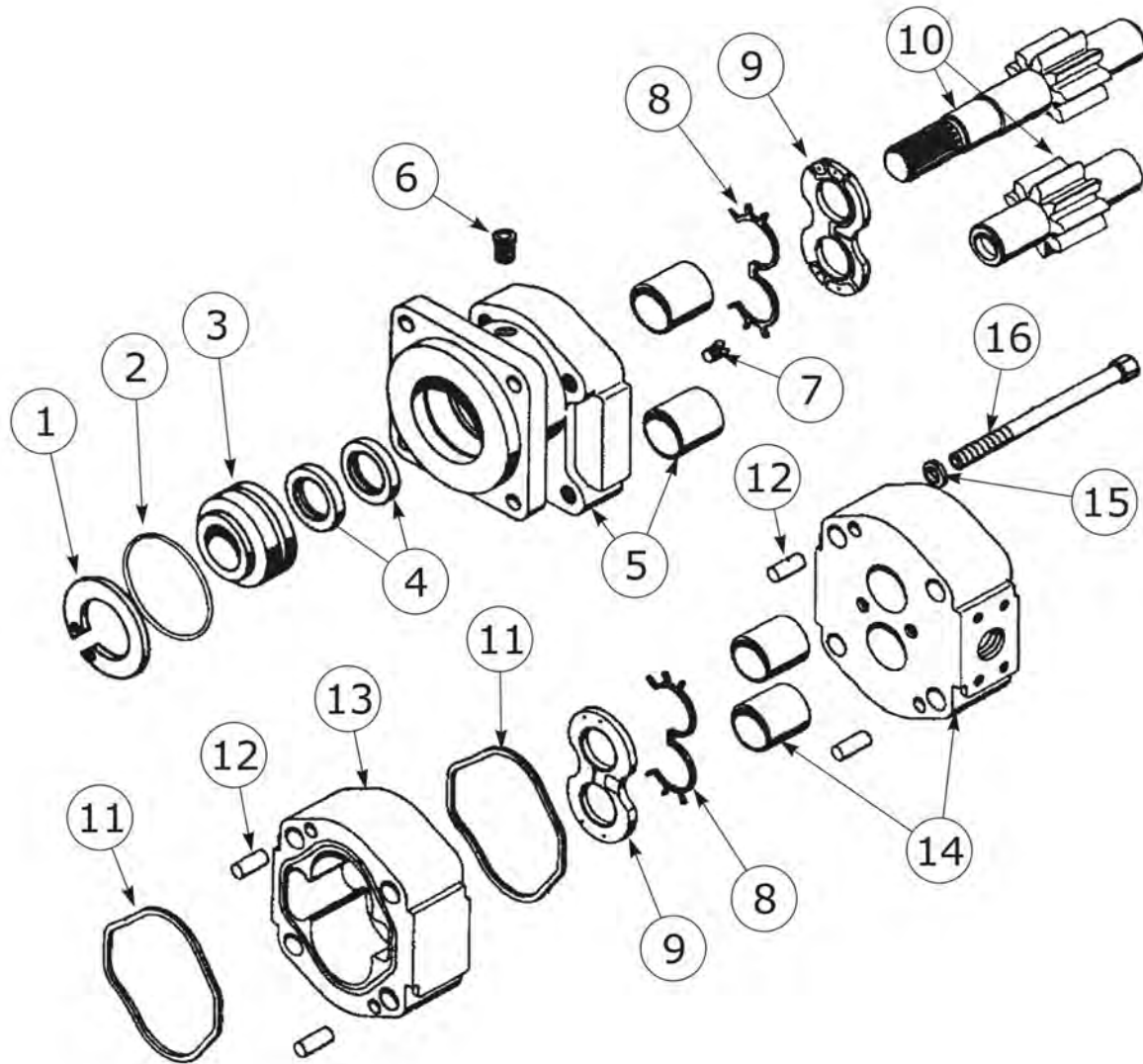


ROTARY - SPINDLE ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02968859A	1	SPINDLE ASY
1	02967204	1	SPINDLE SHAFT, SPLINED
2	02967126	1	HOUSING, MACHINED SPINDLE
3	02967197	1	BEARING ASY, CUP & CONE, LOWER
4	02967196	1	BEARING ASY, CUP & CONE, UPPER
5	02909500	2	ADJUSTING NUT, 2.360-18 PITCH
6	02909600	1	TABBED LOCKWASHER, BEARING ADJUSTING NUT LOCK
7	02967198	1	SEAL
8	02959018	1	GREASE RELIEF FITTING, 1-5LBS
9	00003500	1	GREASE FITTING, 1/8" STRAIGHT

ROTARY - MOTOR ASY - PN 02962112

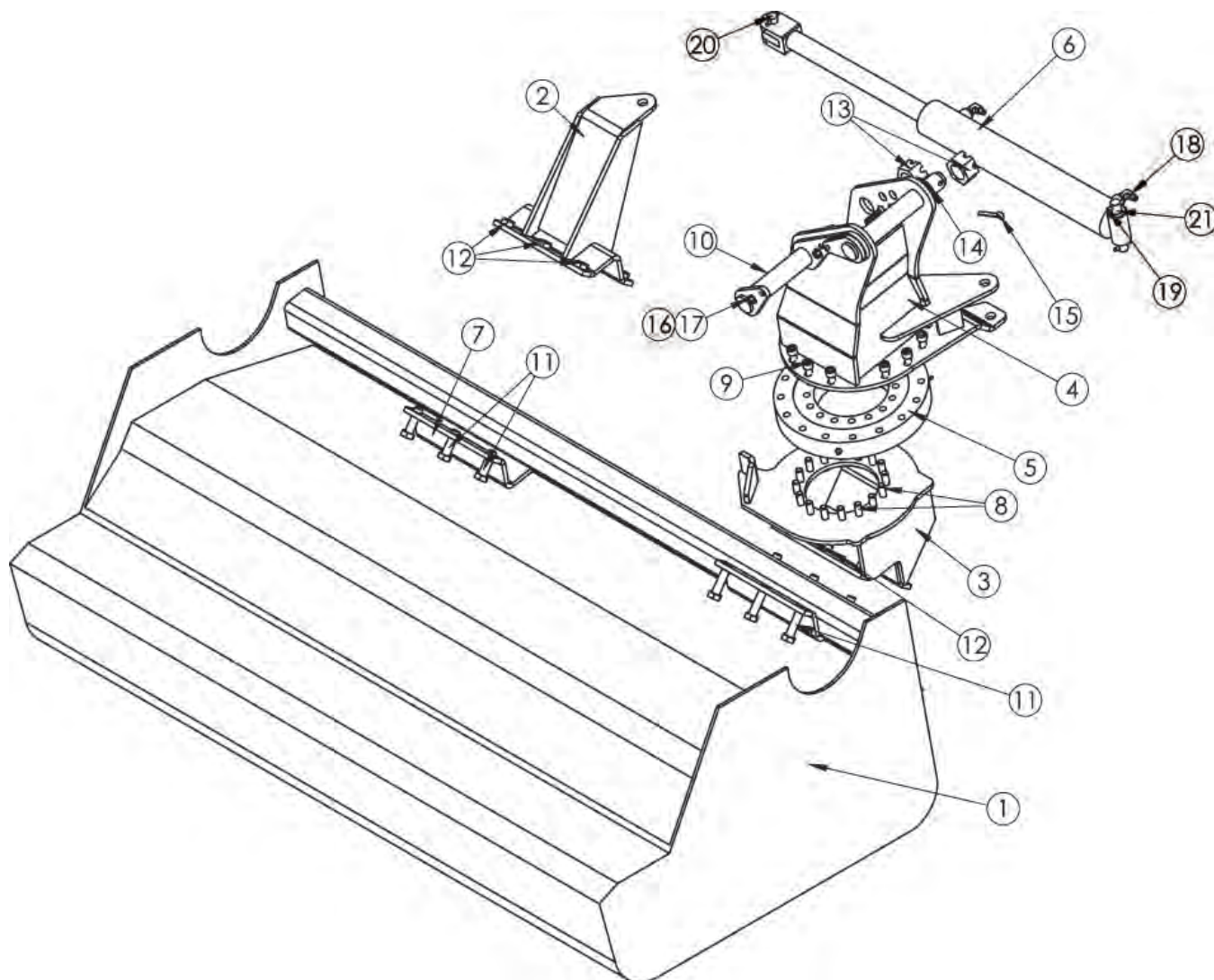


ROTARY - MOTOR ASY - PN 02962112**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02962112	1	HYD. MOTOR ASY, CAST IRON HSG. & SPLINED SHAFT
1	02979971	1	SNAP RING
2	*	1	O-RING (SEE ITEM 19 & 20)
3	02961932	1	RETAINER SEAL
4	*	2	SEAL (SEE ITEM 19 & 20)
5	02961926	1	MOUNTING FLANGE
6	02961940	1	PLUG HEX SKT HD
7		2	
8	*	4	SEAL END (SEE ITEM 19 & 20)
9	*	2	THRUST PLATES (SEE ITEM 20)
10	02962287	1	KIT GEAR SET
11	*	2	SQUARE SEAL (SEE ITEM 19 & 20)
12	02979953	4	PINS-DOWEL
13	02962288	1	HOUSING GEAR
14	02961927	1	PORTING FLANGE
15	02961917	4	WASHER
16	02962289	4	BOLT
17	*	4	SIADSE SEAL, NOT SHOWN (SEE ITEM 19 & 20)
18	02962286	1	RETAINER SEAL
19	02962538	1	SEAL KIT, MINOR REBUILD KIT (ITEMS 2,4,8,11,17)
20	02961939	1	SEAL KIT, MAJOR REBUILD (ITEMS 2,4,8,9,11,17)

SECTION 20 FLAILS

60 INCH GRASS FLAIL - GEAR, SWIVEL PN 02988881 SN BGF60G-B171809 AND BELOW

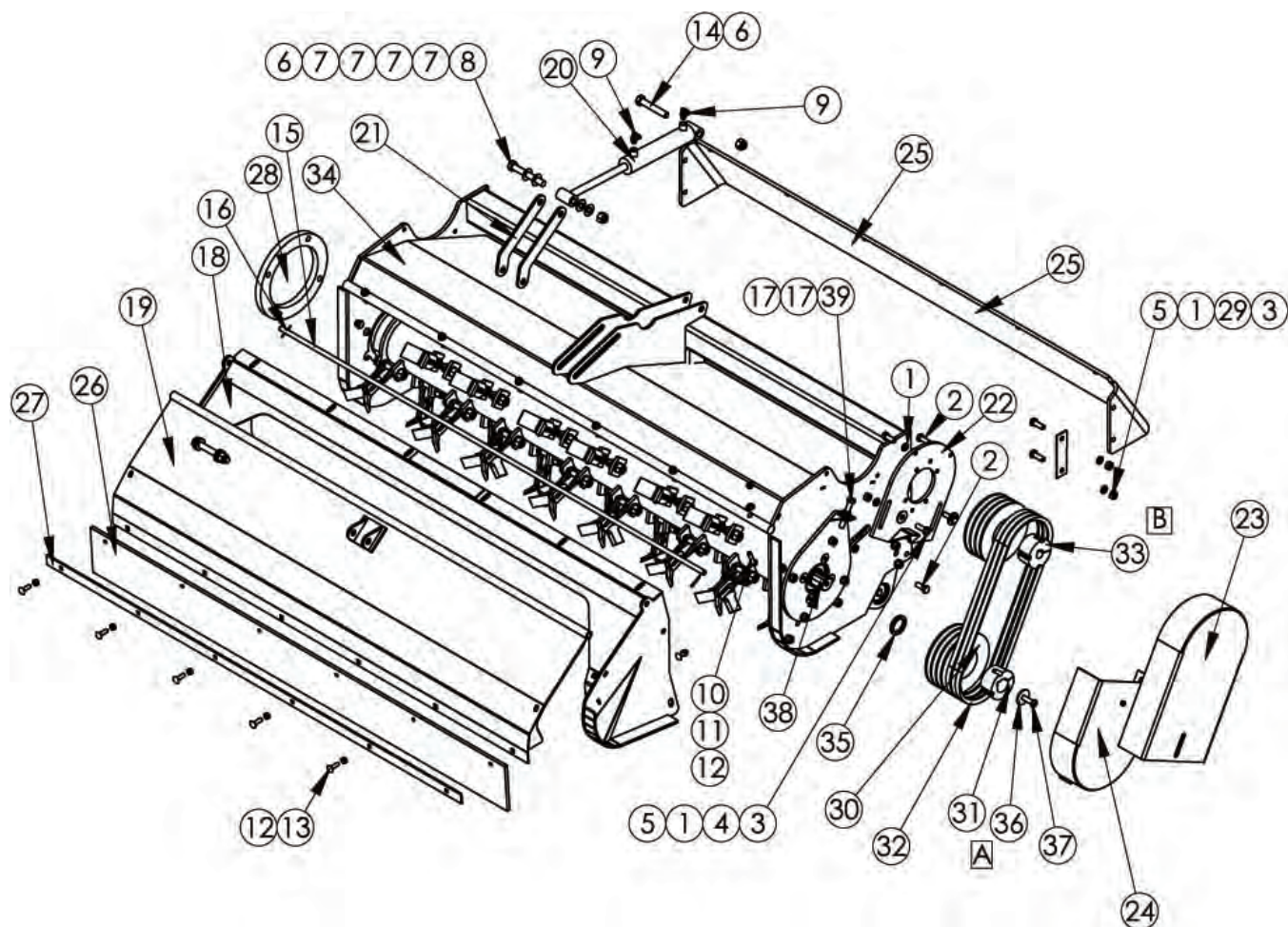


ITEM	PART NO.	QTY.	DESCRIPTION
1	90.162.12	1	FLAILHEAD 1500(P) XT MOTORLESS
2	02985445	1	WLDMT, CYL MOUNT
3	02985447	1	WLDMT, HITCH SWIVEL
4	02985319	1	WELDMENT, HITCH POST
5	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
6	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
7	02968245	2	PLATE- CLAMP
8	02892000	16	HHCS, 1/2"-13 NC x 1-1/2" PL8
9	02981820	12	SHCS 1/2 NC 1-1/2 PL8
10	02981757	2	WELDMENT, PIN, HITCH POST
11	02845500	12	HEXB 5/8 NC X 2 PL5
12	00695100	12	NUT,TOPLOCK 5/8 NC PLC
13	02971701	2	NUT SLOT 1-3/8 12NF PLB

60 INCH GRASS FLAIL - GEAR, SWIVEL PN 02988881 SN BGF60G-B171809 AND BELOW**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
14	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
15	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
16	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
17	02995908	2	NUT SPRLCK FLG 3/8-16 PL
18	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
19	002416	4	ROLL PIN 1/4 X 1-1/2 LG
20	02995471	1	PIN, 3/4" X 1-7/8" U.L.
21	02995472	1	PIN, 3/4" X 4" U.L.

60 INCH GRASS FLAIL - GEAR, SWIVEL PN 02998031 SN BGF60G-B171810 AND ABOVE

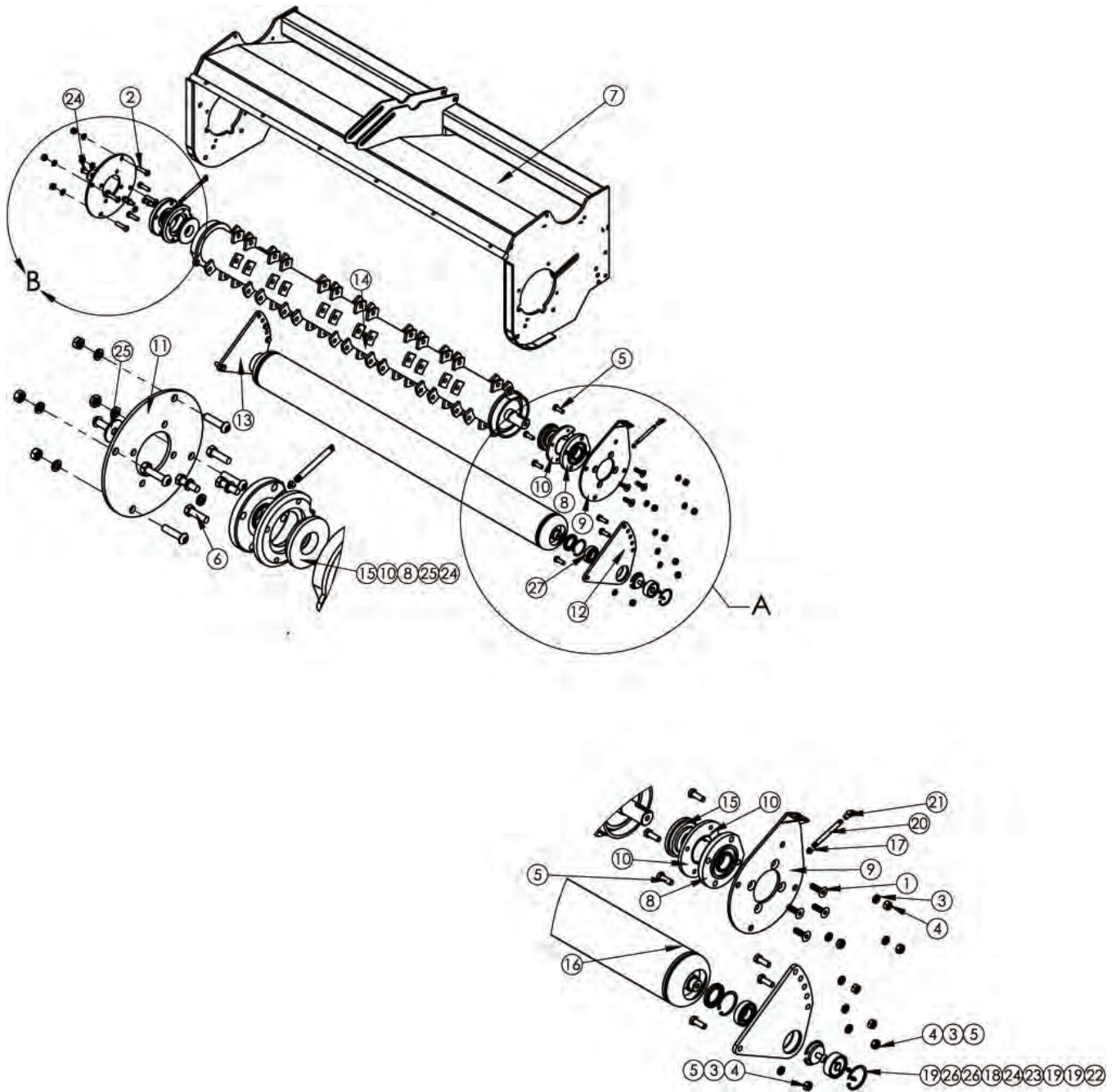


ITEM	PART NO.	QTY.	DESCRIPTION
1	00754566	14	LOCKWASHER, 12MM
2	00756026	3	HEXB METRIC 12-P1.75 X 30 PL8
3	02998060	10	HEXB 12MM X 35MM PLT
4	00002700	2	FLATWASHER 1/2 PL STD
5	00762413	11	NUT MET 12MM
6	02991279	3	TOP LOCKNUT NYLON 5/8 NC PL8
7	00001400	8	FLATWASHER 5/8 PL STD
8	02975147	2	HHCS, 5/8" NC X 4-1/2" PL8
9	02960018	2	ADP HYD ELBOW 4MB-4MJ90
10	02998061	6	CARB 3/8 x 1 3/4 GR 5 PL
11	00011100	6	FLATWASHER STD 3/8 - PLATED
12	00015800	18	LOCKNUT TLM 3/8-NC PLC
13	000644	12	CARB 3/8 NC 1-1/4 PL5
14	7B101130	1	HHCS, 5/8-11 UNC x 3 3/4 PL8
15	02997787	1	HINGE PIN
16	40010000	2	PIN, COTTER 1/8 X1

60 INCH GRASS FLAIL - GEAR, SWIVEL PN 02998031 SN BGF60G-B171810 AND ABOVE**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
17	02988071	2	FLANGE NUT, 1/2" NC
18	02997795	1	WLDMT, SKID
19	02997796	1	WLDMT, BOM DOOR
20	02981316	1	CYLINDER, DOOR
21	02997788	2	PLATE, HINGE LINK
22	02998009	1	MOTOR MOUNT
23	02998013	1	WLDMNT TOP PULLEY COVER
24	02998014	1	WLDMT, BOTTOM PULLEY COVER
25	02997977	1	REAR FLAP, BOMFORD
26	02997978	1	FRONT FLAP BOMFORD
27	02998032	2	FLAP RETAINER BAR
28	02998015	1	WLDMT CAP
29	02998030	2	PLATE GUARD REAR
30	03.795.02	2	PULLEY-VEE 180MM PCD X 3SPA
31	05.424.18	1	BUSH,TAPERLOCK 40MM (2517)
32	05.299.53	3	BELT 60 FLAIL
33	05.424.07	1	BUSHING, TAPERLOCK,1 BORE
34	02998103	1	SUB-ASY, GRASS FLAIL, DOOR, 60
35	02998115	1	THRUST WASHER
36	02998327	1	WASHER FENDER 1/2 x 1 3/4
37	02998059	1	BUTTON HD,12MMx50MM(1.75)
38	05.960.16	1	KEY-S/REP 12MM X 8MM X 40MM
39	00753013	1	HHCS 1/2 NC 3 PL8

60 INCH GRASS FLAIL - DOOR PN 02998103

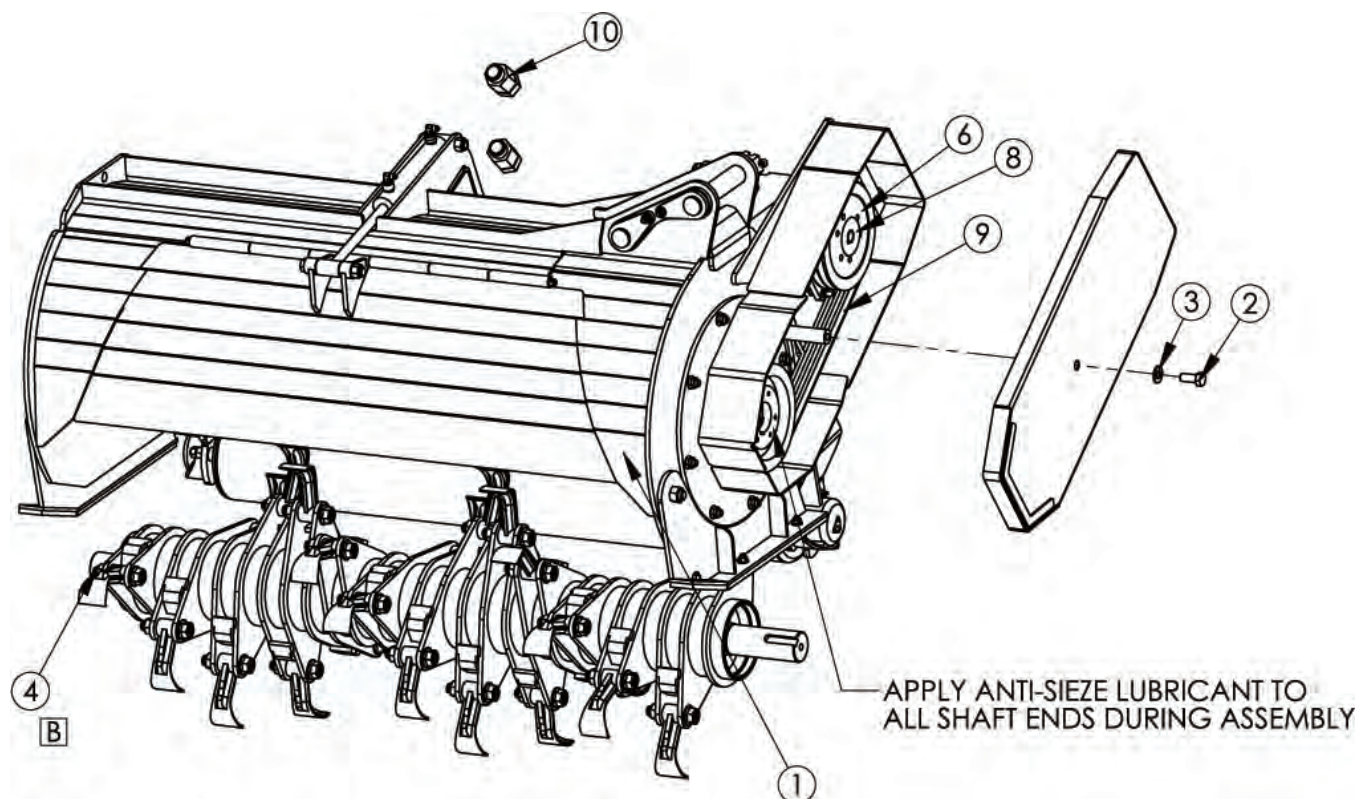


ITEM	PART NO.	QTY.	DESCRIPTION
1	05.345.05	4	SOCKET CSK SCREW M12X1.75X40
2	02998059	4	BUTTON HD,12MMx50MM(1.75)
3	00754566	18	LOCKWASHER, 12MM
4	00762413	14	NUT MET 12MM
5	02998060	10	HEXB 12MM X 35MM PLT
6	02980720	4	HHCS M12-P1.75 X 40 PL 10.9
7	02998006	1	WLDMT FLAIL HSNG

60 INCH GRASS FLAIL - DOOR PN 02998103**Continued...**

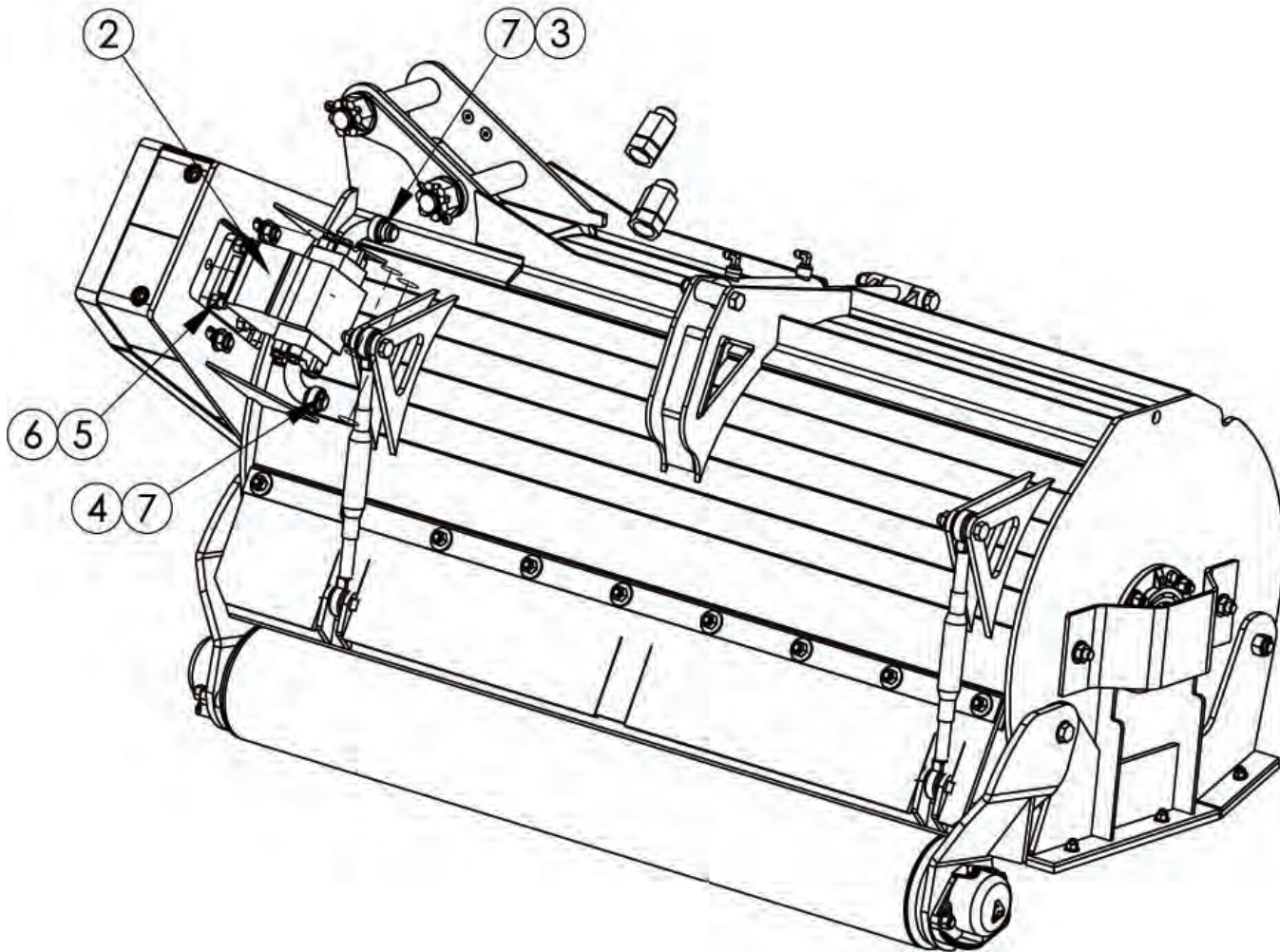
ITEM	PART NO.	QTY.	DESCRIPTION
8	06.221.01	2	BEARING ASSY 40 - BORE
9	02998007	1	ADJ PLATE WLDMT
10	02998055	2	BACKING PLATE
11	02997987	1	BOLT PLATE
12	02998008	1	WLDMT L ROLLER ADJUSTER
13	02998010	1	WLDMT R ROLLER ADJUSTER
14	02998011	1	WLDMT 60 INCH FLAIL SHAFT
15	02997996	2	DRIVE WASHER
16	02998012	1	WLDMT 60 IN ROLLER
17	02998024	2	1/4 -28 X 1/8 NPT ADPT
18	02998016	2	GREASE CAP
19	02998023	6	62MM SNAP RING
20	02998026	2	NIPPLE 1/8 NPT 4"
21	02998025	2	ZERK 1/8 F 45
22	02998027	2	SHAFT SEAL
23	02998114	2	2" HARD WASHER
24	02998116	3	BUTTON HD,12MMx30MM(1.75)
25	02998327	1	WASHER FENDER 1/2 x 1 3/4
26	00723562	4	GREASE FITTING, 1/4-28
27	02998022	2	BEARING 62x30

ASY, BATTLE AXE, GEAR, F91 KNVS (PART 1) P/N 02995829



ITEM	PART NO.	QTY.	DESCRIPTION
1	02995169	1	ASY, SUB, BATTLE AXE STD
2	02675800	1	HHCS 5/8-11 X 1-1/2 PL5
3	00756077	9	WASHER, 5/8 HARDENED - PLATED
4	32121385	1	ASY, CUTTERSHAFT, BATTLE AXE
5	02992648	1	KIT, DRIVE, GEAR STD
6	02967325	2	PULLEY, 3G5V-8.50 DIA.
7	02992576	1	HUB, QD SF 2.375
8	02970537	1	HUB,QD-SF 1DIA.BORE W/KEY WAY
9	02994781	1	BELT 5V BONDED 3-RIB 63LG
10	02994779	2	HYD SWIVEL 16FJ-16MJ ST

HOSE ROUTING CHART			
CONNECTION 1	CONNECTION 2	COLOR	HOSE #
RA	RB	BLUE	02987336
PA	PB	RED	02987335

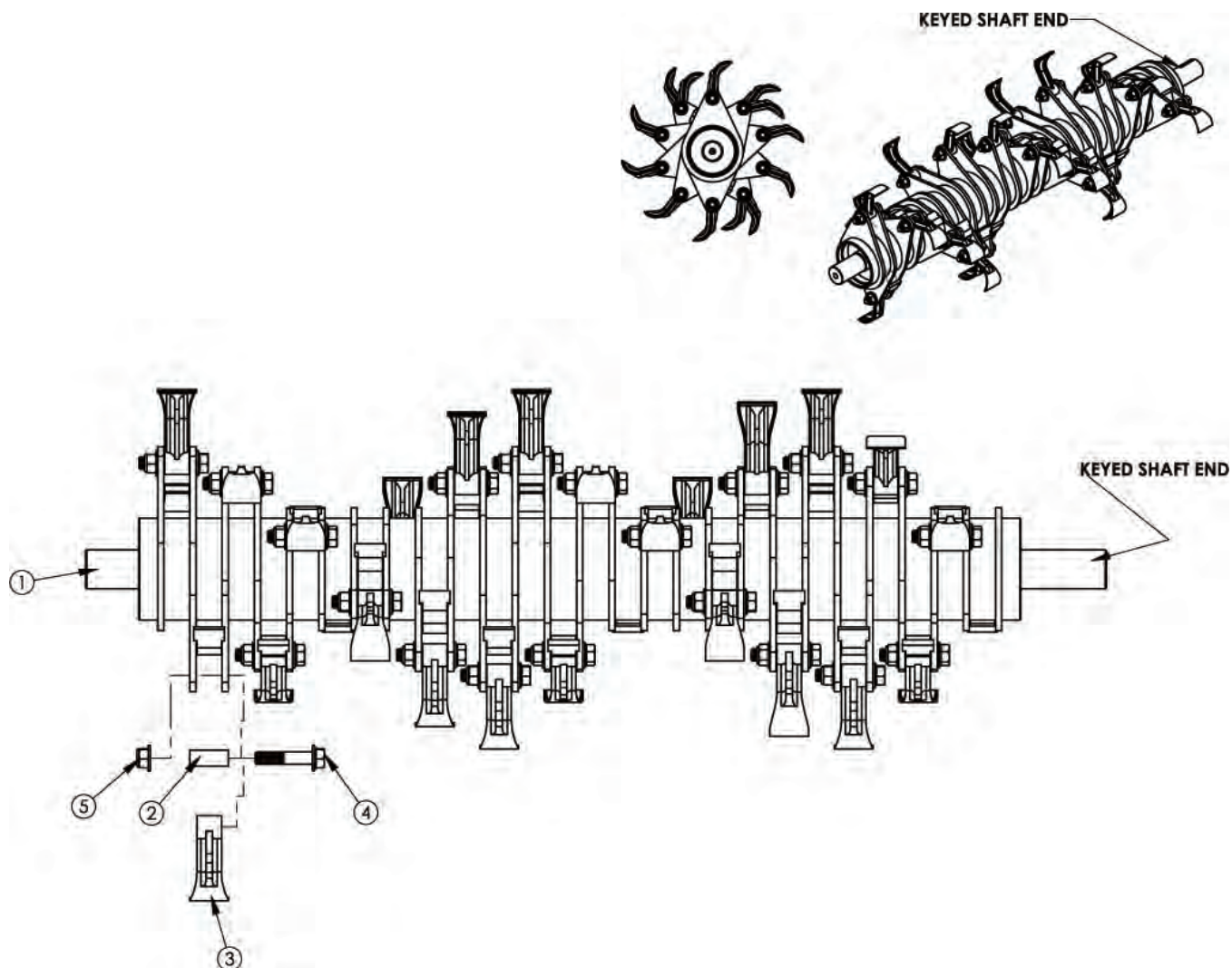


ITEM	PART NO.	QTY.	DESCRIPTION
1	02992648	1	KIT, DRIVE, GEAR STD

ASY, BATTLE AXE, GEAR, F91 KNVS (PART 2) P/N 02995829**Continued...**

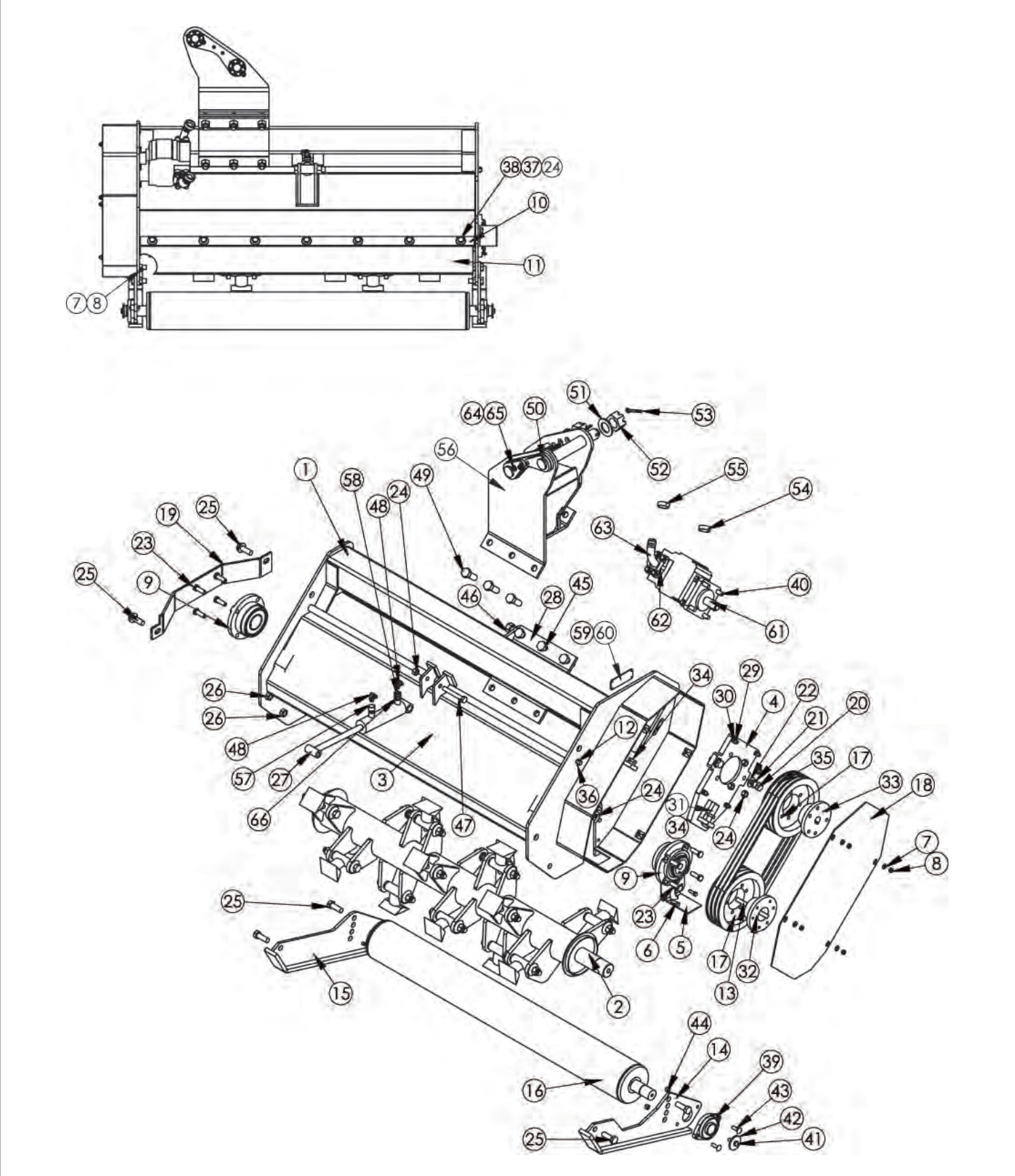
ITEM	PART NO.	QTY.	DESCRIPTION
2	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
3	02968896	1	VINYL TAPE BLUE 1/2" WIDE
4	02968894	1	VINYL TAPE RED 1/2" WIDE
5	00001800	4	LOCKNUT TLM 1/2 NC PLC
6	00013300	4	HHCS 1/2 NC X 2 GR.5 PL
7	02754100	2	ADP HYD ELBOW 20FL-16MJ90
8	00749103	2	SPLIT FLG KIT #20

ASY, BATTLE AXE CUTTERSHAFT PN 32121385



ITEM	PART NO.	QTY.	DESCRIPTION
1	32121384	1	WLDMT, CUTTERSHAFT, BATTLE AXE
2	32121380	26	TUBE, BLADE BUSHING
3	7390276	26	FLAIL,SINGLE EDGE
4	32121382	26	FLCS 3/4"-10 X 3-1/2" GR8
5	32121383	26	LOCKNUT NYL FLG 3/4-10 PL8

48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1) - PN 02986253 SN FA48 01746 TO CURRENT



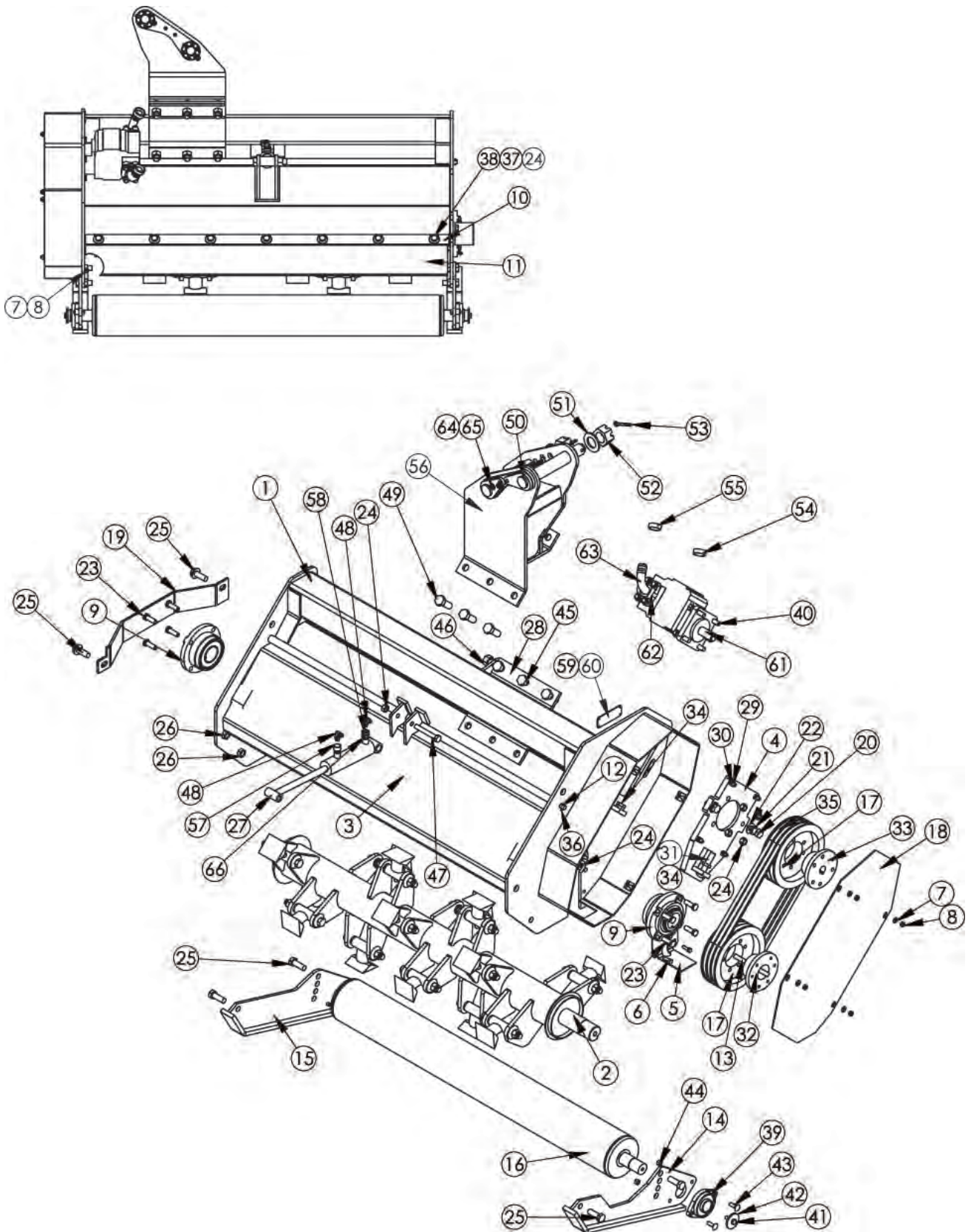
48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1) - PN 02986253 SN FA48 01746 TO CURRENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02994073	1	WLDMNT, HOUSING, F/AXE 48"
2	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
3	02994075	1	WLDMNT, DOOR, F/AXE, SWIVEL, 48"
4	02973544	1	WLDMT MOTOR MOUNTS
5	02970709	1	PLATE, INSIDE PLATE
6	10119000	2	HEXB 5/16 X 1 NC GR5
7	00023500	6	FLATWASHER 5/16 PL
8	00750940	6	LOCKNUT TLM 5/16 NC PLB
9	02958131A	2	FLANGE BEARING ASY 2 BORE
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP 6 X 48-1/2
12	02970326	1	ROD, HINGE, F/A DOOR
13	02958198	1	KEY 1/2 X 1/2 X 1 7/8 LG
14	02970585	1	WELDMNT, SKID SHOE
15	02956748	1	WLDMT, SKID SHOE
16	02970540	1	WELDMNT, ROLLER
17	02967325	2	PULLEY, 3G5V-8.50 DIA.
18	02970325	1	PLATE, COVER, BELT & PULLEY
19	02972442	1	GUARD, BEARING
20	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
21	00010300	2	WASHER, LOCK 5/8 GR8 - YDP
22	00001400	4	FLATWASHER 5/8 PL STD
23	02892000	8	HHCS, 1/2"-13 NC x 1-1/2" PL8
24	00001800	20	LOCKNUT TLM 1/2 NC PLC
25	00008300	6	HHCS 5/8 NC 1-3/4 PL5
26	00695100	5	NUT, TOPLOCK 5/8 NC PLC
27	02970710A	1	HYD CYL 1-1/2 BORE X 3-3/4
28	02970324	1	PLATE, HITCH POST CLAMP
29	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
30	23504500	8	NUT, JAM 3/8 NF PLB
31	03200925	1	CARB 5/8-11UNC 3LG PL5
32	02967328	1	BUSHING, QD-HUB SF 1-15/16 DIA.
33	02970537	1	HUB, QD-SF 1DIA. BORE W/KEY WAY
34	00013500	3	NUT JAM HEX 5/8 NC PL
35	02970539	3	V-BELT
36	02956768	2	PIN ROLL 5/32X1
37	00002700	7	FLATWASHER 1/2 PL STD
38	00749130	7	HHCS 1/2-13UNC 1-3/4 PL5
39	02957041	2	ROLLER BEARING AND FLANGE
40	00013300	4	HHCS 1/2 NC X 2 GR.5 PL

02986950P - Samurai HF (12-08)_03-21

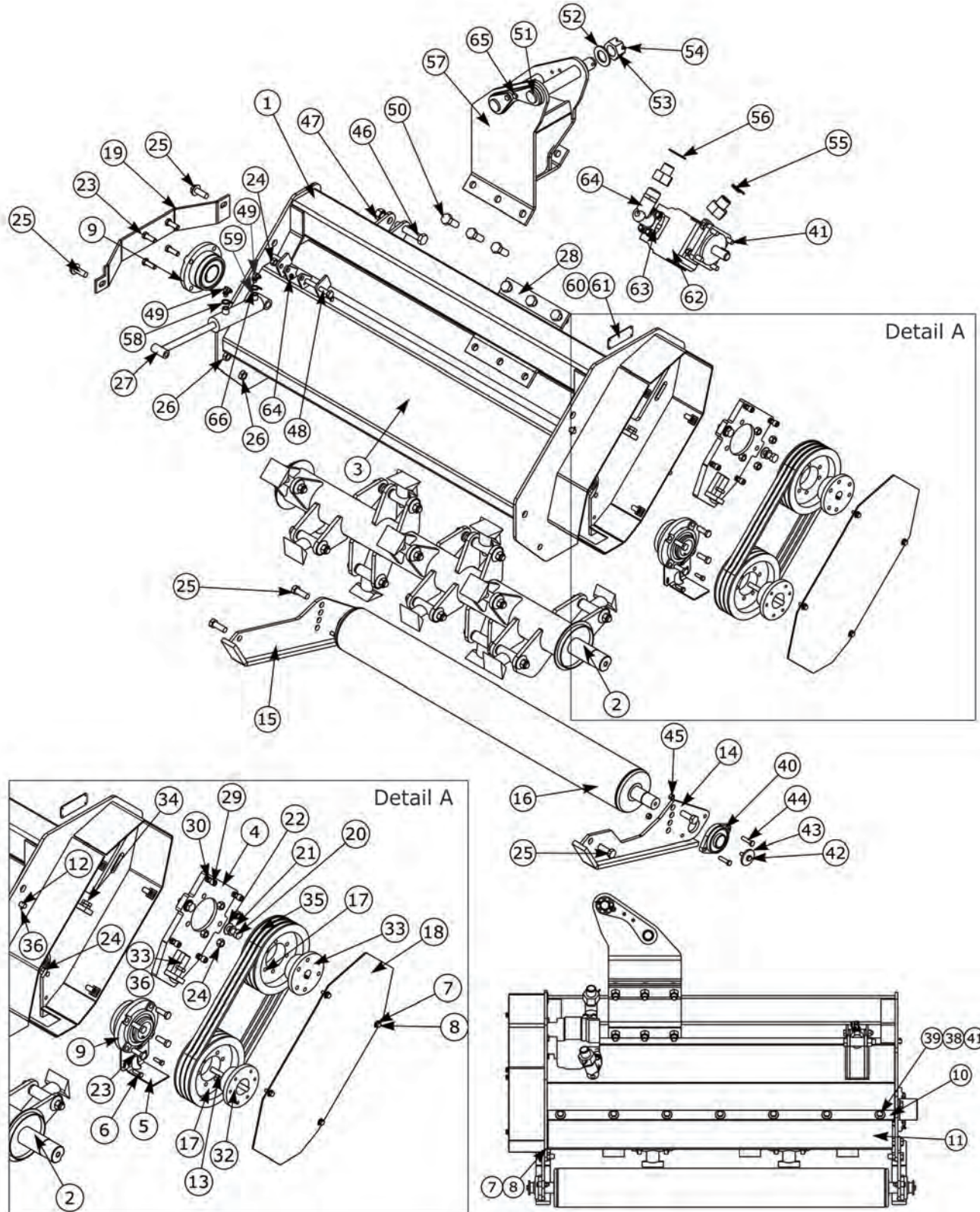
48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2) PN 02986253 SN FA48 01746 TO CURRENT



48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2) PN 02986253 SN FA48 01746 TO CURRENT**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
42	02970586	2	WASHER,2OD,7/16 ID X 3/16
43	000644	4	CARB 3/8 NC 1-1/4 PL5
44	00015800	4	LOCKNUT TLM 3/8-NC PLC
45	00003300	1	HEXB 3/4 NC 4 PL5
46	00037200	7	NUT,HEX TOPLOCK 3/4 NC GR.C PL
47	00752716	1	HHCS 1/2 NC 3-1/2 PL8
48	02960018	2	ADP HYD ELBOW 4MB-4MJ90
49	02918600	6	HEXB 3/4-10UNC 2 PL8
50	02981757	2	WELDMENT, PIN, HITCH POST
51	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
52	02971701	2	NUT SLOT 1-3/8 12NF PLB
53	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
54	02968896	1	VINYL TAPE BLUE 1/2" WIDE
55	02968894	1	VINYL TAPE RED 1/2" WIDE
56	02986218	1	WELDMENT, HITCH POST
57	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
58	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
59		4	
60	02971498	1	PLATE,S/N 48 FLAIL AXE
61	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
62	00749103	2	SPLIT FLG KIT #20
63	02754100	2	ADP HYD ELBOW 20FL-16MJ90
64	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
65	02995908	2	NUT SPRLCK FLG 3/8-16 PL
66	02991555	1	VINYL TAPE WHITE 1/4" WIDE

48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1) - PN 02986253 SN FA48 01745 AND BEFORE



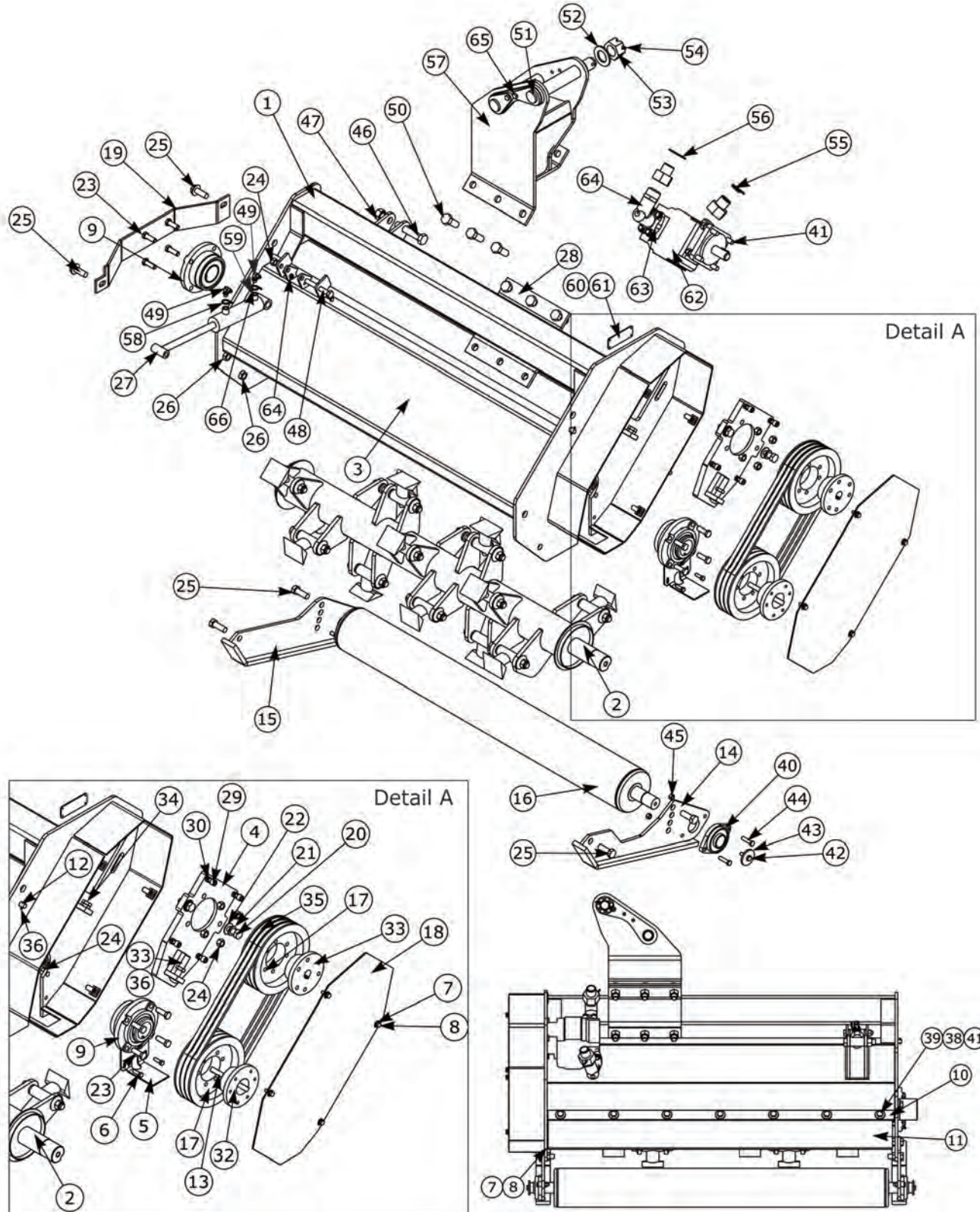
48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 1) - PN 02986253 SN FA48 01745 AND BEFORE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02986253	1	ASY,48" FLAIL/AXE, GEAR
1	02970301	1	WELDMENT,FLAIL AXE HEAD
2	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
3	02991470	1	WELDMENT,DOOR, 48" FLAIL SWVL
4	02973544	1	WLDMT MOTOR MOUNTS
5	02970709	1	PLATE,INSIDE PLATE
6	10119000	2	HEXB 5/16 X 1 NC GR5
7	00023500	6	FLATWASHER 5/16 PL
8	00750940	6	LOCKNUT TLM 5/16 NC PLB
9	02958131A	2	FLANGE BEARING ASY 2 BORE
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP 6 X 48-1/2
12	02970326	1	ROD,HINGE,F/A DOOR
13	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
14	02970585	1	WELDMENT,SKID SHOE
15	02956748	1	WLDMT, SKID SHOE
16	02970540	1	WELDMENT,ROLLER
17	02967325	2	PULLEY, 3G5V-8.50 DIA.
18	02970325	1	PLATE,COVER,BELT & PULLEY
19	02972442	1	GUARD,BEARING
20	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
21	00010300	2	WASHER,LOCK 5/8 GR8 - YDP
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 PLC
25	00008300	6	HHCS 5/8 NC 1-3/4 PL5
26	00695100	5	NUT,TOPLock 5/8 NC PLC
27	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
28	02970324	1	PLATE,HITCH POST CLAMP
29	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
30	23504500	8	NUT, JAM 3/8 NF PLB
31	03200925	1	CARB 5/8-11UNC 3LG PL5
32	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
33	02970537	1	HUB,QD-SF 1DIA.BORE W/KEY WAY
34	00013500	3	NUT JAM HEX 5/8 NC PL
35	02970539	3	V-BELT
36	02956768	2	PIN ROLL 5/32X1

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48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2) - PN 02986253 SN FA48 01745 AND BEFORE

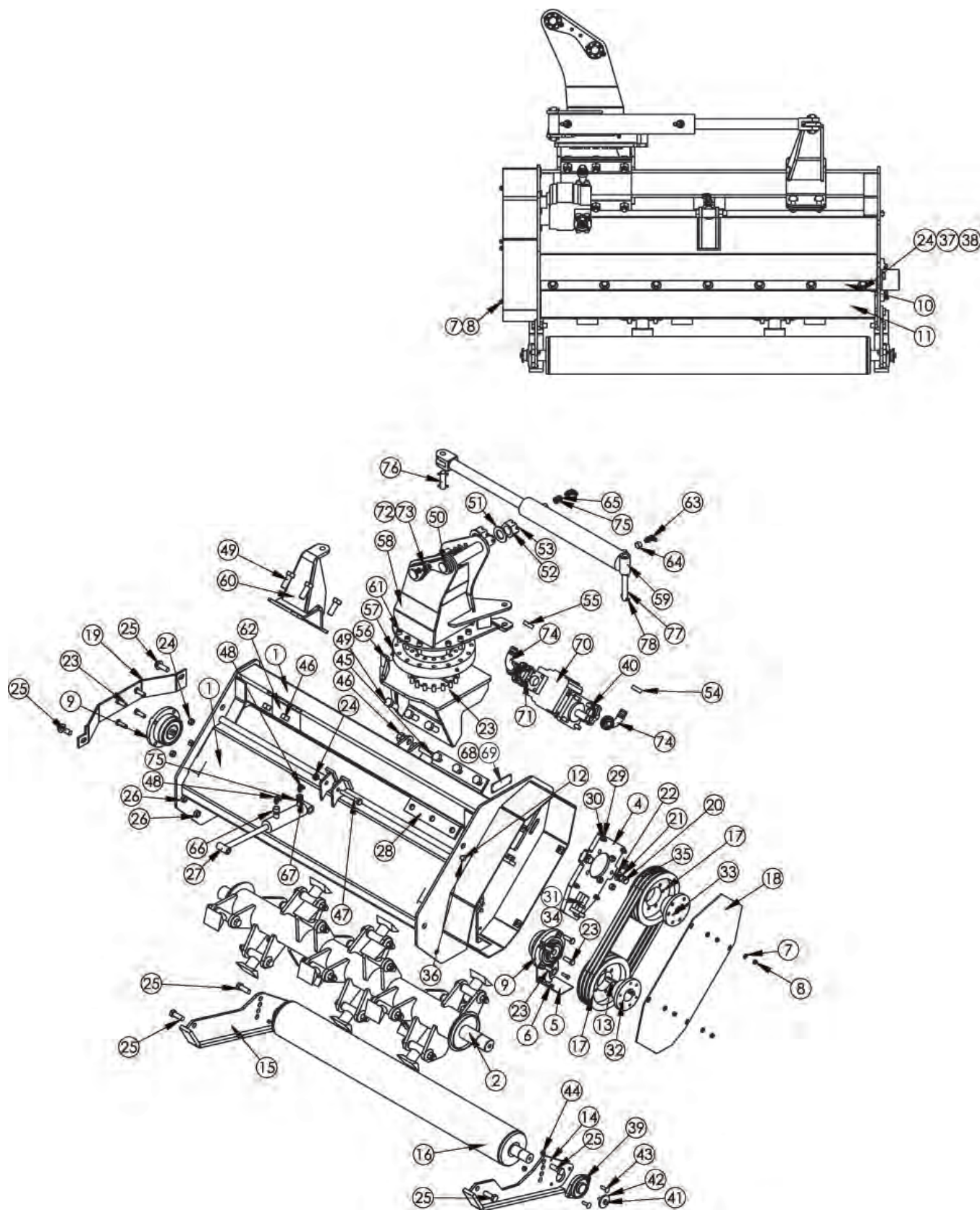


48 IN FLAIL - HEAD ASY (SOLID MNT) (PART 2) - PN 02986253 SN FA48 01745 AND BEFORE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
37	00749138	7	NUT,1/2NF CENTERLOCK
38	00002700	7	FLATWASHER 1/2 PL STD
39	00001880	7	HHCS 1/2 NF 1-1/2 PL5
40	02957041	2	ROLLER BEARING AND FLANGE
41	00013300	4	HHCS 1/2 NC X 2 GR.5 PL
42	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
43	02970586	2	WASHER,2OD,7/16 ID X 3/16
44	000644	4	CARB 3/8 NC 1-1/4 PL5
45	00015800	4	LOCKNUT TLM 3/8-NC PLC
46	00003300	1	HEXB 3/4 NC 4 PL5
47	00037200	7	NUT,HEX TOPLOCK 3/4 NC GR.C PL
48	00752716	1	HHCS 1/2 NC 3-1/2 PL8
49	02960018	2	ADP HYD ELBOW 4MB-4MJ90
50	02918600	6	HEXB 3/4-10UNC 2 PL8
51	02981757	2	WELDMENT, PIN, HITCH POST
52	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
53	02971701	2	NUT SLOT 1-3/8 12NF PLB
54	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
55	02968896	1	VINYL TAPE BLUE 1/2" WIDE
56	02968894	1	VINYL TAPE RED 1/2" WIDE
57	02986218	1	WELDMENT, HITCH POST
58	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
59	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
60	-----	4	METAL TACK
61	-----	1	PLATE,S/N 48 FLAIL AXE
62	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
63	00749103	2	SPLIT FLG KIT #20
64	02754100	2	ADP HYD ELBOW 20FL-16MJ90
65	00011400	2	HEXB 3/8-16 X 1 PL5
66	02991555	1	VINYL TAPE WHITE 1/4" WIDE

48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 1) - PN 02986251 SN FA48 01746 TO CURRENT



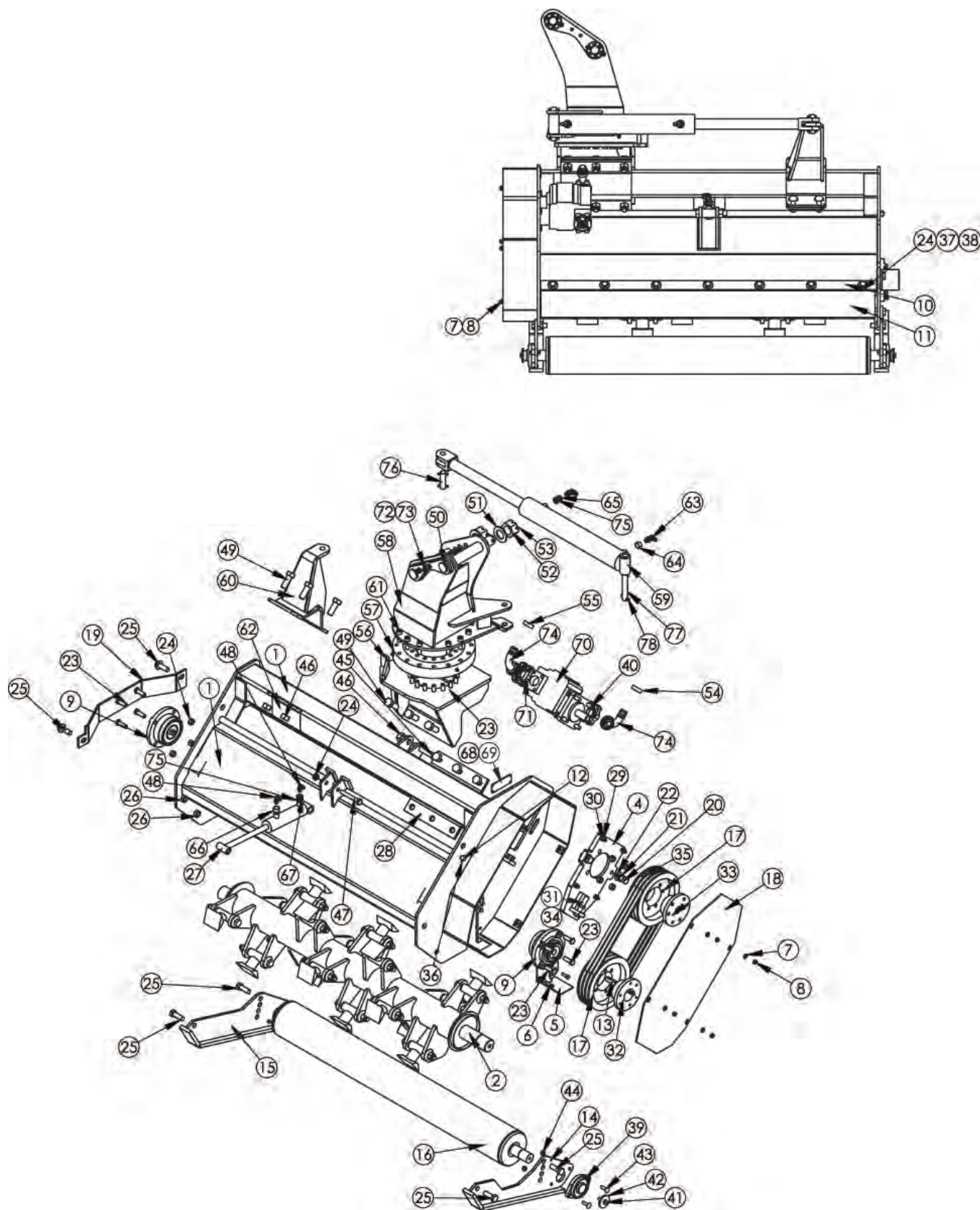
48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 1) - PN 02986251 SN FA48 01746 TO CURRENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02994073	1	WLDMNT, HOUSING, F/AXE 48"
2	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
3	02994075	1	WLDMNT, DOOR, F/AXE, SWIVEL, 48"
4	02973544	1	WLDMT MOTOR MOUNTS
5	02970709	1	PLATE, INSIDE PLATE
6	10119000	2	HEXB 5/16 X 1 NC GR5
7	00023500	6	FLATWASHER 5/16 PL
8	00750940	6	LOCKNUT TLM 5/16 NC PLB
9	02958131A	2	FLANGE BEARING ASY 2 BORE
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP 6 X 48-1/2
12	02970326	1	ROD, HINGE, F/A DOOR
13	02958198	1	KEY 1/2 X 1/2 X 1 7/8 LG
14	02970585	1	WELDMNT, SKID SHOE
15	02956748	1	WLDMT, SKID SHOE
16	02970540	1	WELDMNT, ROLLER
17	02967325	2	PULLEY, 3G5V-8.50 DIA.
18	02970325	1	PLATE, COVER, BELT & PULLEY
19	02972442	1	GUARD, BEARING
20	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
21	00010300	2	WASHER, LOCK 5/8 GR8 - YDP
22	00001400	4	FLATWASHER 5/8 PL STD
23	02892000	23	HHCS, 1/2"-13 NC x 1-1/2" PL8
24	00001800	20	LOCKNUT TLM 1/2 NC PLC
25	00008300	6	HHCS 5/8 NC 1-3/4 PL5
26	00695100	5	NUT, TOPLOCK 5/8 NC PLC
27	02970710A	1	HYD CYL 1-1/2 BORE X 3-3/4
28	02970324	1	PLATE, HITCH POST CLAMP
29	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
30	23504500	8	NUT, JAM 3/8 NF PLB
31	03200925	1	CARB 5/8-11UNC 3LG PL5
32	02967328	1	BUSHING, QD-HUB SF 1-15/16 DIA.
33	02970537	1	HUB, QD-SF 1DIA. BORE W/KEY WAY
34	00013500	3	NUT JAM HEX 5/8 NC PL
35	02970539	3	V-BELT
36	02956768	2	PIN ROLL 5/32X1
37	00002700	7	FLATWASHER 1/2 PL STD
38	00749130	7	HHCS 1/2-13UNC 1-3/4 PL5
39	02957041	2	ROLLER BEARING AND FLANGE
40	00013300	4	HHCS 1/2 NC X 2 GR.5 PL

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48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986251 SN FA48 01746 TO CURRENT



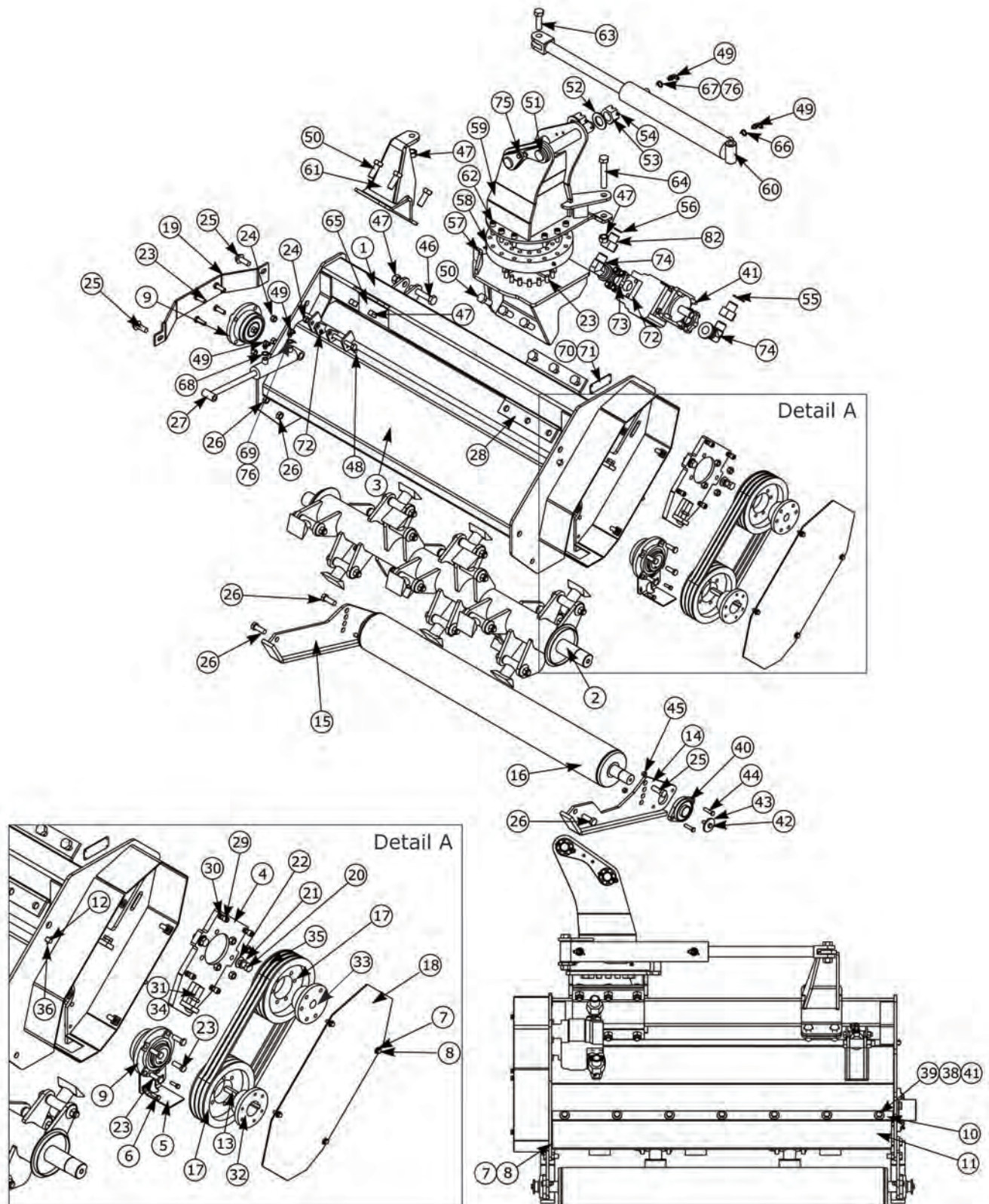
48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART 2) - PN 02986251 SN FA48 01746 TO CURRENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
42	02970586	2	WASHER,2OD,7/16 ID X 3/16
43	000644	4	CARB 3/8 NC 1-1/4 PL5
44	00015800	4	LOCKNUT TLM 3/8-NC PLC
45	00003300	1	HEXB 3/4 NC 4 PL5
46	00037200	11	NUT,HEX TOPLOCK 3/4 NC GR.C PL
47	00752716	1	HHCS 1/2 NC 3-1/2 PL8
48	02960018	2	ADP HYD ELBOW 4MB-4MJ90
49	02918600	10	HEXB 3/4-10UNC 2 PL8
50	02981757	2	WELDMENT, PIN, HITCH POST
51	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
52	02971701	2	NUT SLOT 1-3/8 12NF PLB
53	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
54	02968896	1	VINYL TAPE BLUE 1/2" WIDE
55	02968894	1	VINYL TAPE RED 1/2" WIDE
56	02984370	1	ADP, SWIVEL, HITCHPOST
57	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
58	02985319	1	WELDMENT, HITCH POST
59	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
60	02984374	1	WLDMNT, MOUNT, CYLINDER
61	02981820	12	SHCS 1/2 NC 1-1/2 PL8
62	02984382	1	CLAMP, PLATE, SWIVEL
63	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
64	02968832	1	VINYL TAPE GREEN 1/2" WIDE
65	02968833	1	VINYL TAPE GREEN 1/4" WIDE
66	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
67	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
68		4	
69	02971498	1	PLATE,S/N 48 FLAIL AXE
70	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
71	00749103	2	SPLIT FLG KIT #20
72	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
73	02995908	2	NUT SPRLCK FLG 3/8-16 PL
74	02754100	2	ADP HYD ELBOW 20FL-16MJ90
75	02991555	2	VINYL TAPE WHITE 1/4" WIDE
76	02995471	1	PIN, 3/4" X 1-7/8" U.L.
77	02995472	1	PIN, 3/4" X 4" U.L.
78	002416	4	ROLL PIN 1/4 X 1-1/2 LG

02986950P - Samurai HF (12-08)_03-21

48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART1) - PN 02986251 SN FA48 01745 AND BEFORE



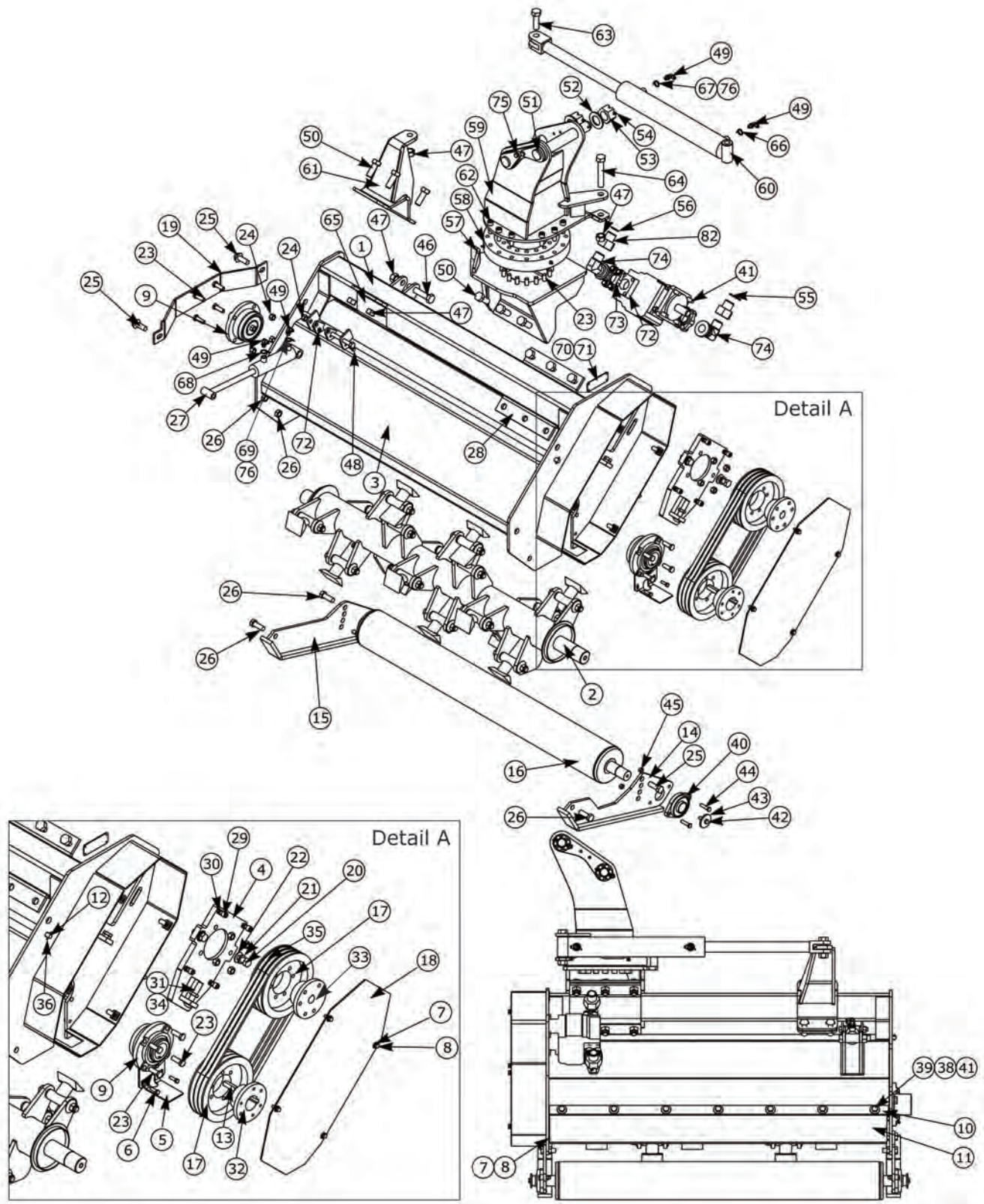
48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART1) - PN 02986251 SN FA48 01745 AND BEFORE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
0	02986251	1	ASY,48" FLAIL/AXE,GEAR,SWIVEL
1	02970301	1	WELDMENT,FLAIL AXE HEAD
2	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
3	02991470	1	WELDMENT,DOOR, 48" FLAIL SWVL
4	02973544	1	WLDMT MOTOR MOUNTS
5	02970709	1	PLATE,INSIDE PLATE
6	10119000	2	HEXB 5/16 X 1 NC GR5
7	00023500	6	FLATWASHER 5/16 PL
8	00750940	6	LOCKNUT TLM 5/16 NC PLB
9	02958131A	2	FLANGE BEARING ASY 2 BORE
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP 6 X 48-1/2
12	02970326	1	ROD,HINGE,F/A DOOR
13	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
14	02970585	1	WELDMENT,SKID SHOE
15	02956748	1	WLDMT, SKID SHOE
16	02970540	1	WELDMENT,ROLLER
17	02967325	2	PULLEY, 3G5V-8.50 DIA.
18	02970325	-	PLATE,COVER,BELT & PULLEY
19	02972442	1	GUARD,BEARING
20	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
21	00010300	2	WASHER,LOCK 5/8 GR8 - YDP
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 PLC
25	00008300	6	HHCS 5/8 NC 1-3/4 PL5
26	00695100	5	NUT,TOPLock 5/8 NC PLC
27	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
28	02970324	1	PLATE,HITCH POST CLAMP
29	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
30	23504500	8	NUT, JAM 3/8 NF PLB
31	03200925	1	CARB 5/8-11UNC 3LG PL5
32	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
33	02970537	1	HUB,QD-SF 1DIA.BORE W/KEY WAY
34	00013500	3	NUT JAM HEX 5/8 NC PL
35	02970539	3	V-BELT
36	02956768	2	PIN ROLL 5/32X1
37	00749138	7	NUT,1/2NF CENTERLOCK
38	00002700	7	FLATWASHER 1/2 PL STD
39	00001880	7	HHCS 1/2 NF 1-1/2 PL5
40	02957041	2	ROLLER BEARING AND FLANGE

02986950P - Samurai HF (12-08)_03-21

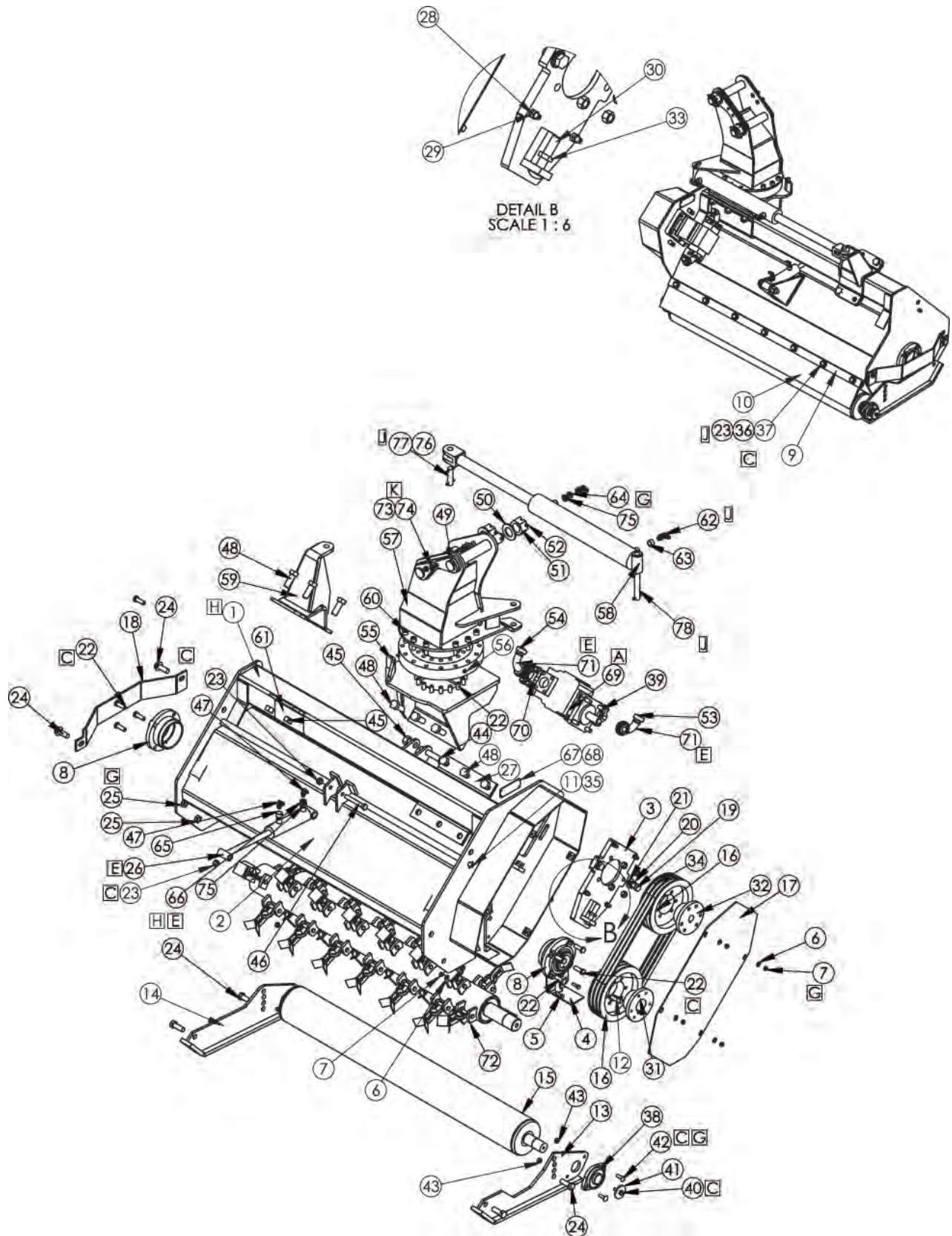
48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART2) - PN 02986251 SN FA48 01745 AND BEFORE



48 IN FLAIL - HEAD ASY (SWIVEL MNT) (PART2) - PN 02986251 SN FA48 01745 AND BEFORE**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	00013300	4	HHCS 1/2 NC X 2 GR.5 PL
42	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
43	02970586	2	WASHER,2OD,7/16 ID X 3/16
44	000644	4	CARB 3/8 NC 1-1/4 PL5
45	00015800	4	LOCKNUT TLM 3/8-NC PLC
46	00003300	1	HEXB 3/4 NC 4 PL5
47	00037200	13	NUT,HEX TOPLOCK 3/4 NC GR.C PL
48	00752716	1	HHCS 1/2 NC 3-1/2 PL8
49	02960018	4	ADP HYD ELBOW 4MB-4MJ90
50	02918600	10	HEXB 3/4-10UNC 2 PL8
51	02981757	2	WELDMENT, PIN, HITCH POST
52	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
53	02971701	2	NUT SLOT 1-3/8 12NF PLB
54	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
55	02968896	1	VINYL TAPE BLUE 1/2" WIDE
56	02968894	1	VINYL TAPE RED 1/2" WIDE
57	02984370	1	ADP, SWIVEL, HITCHPOST
58	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
59	02985319	1	WELDMENT, HITCH POST
60	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
61	02984374	1	WLDMNT, MOUNT, CYLINDER
62	02981820	12	SHCS 1/2 NC 1-1/2 PL8
63	02963646	1	HHCS 3/4 NC 2-1/2 PL8
64	02981885	1	HHCS, 3/4-10UNC x 4 3/4" PL8
65	02984382	1	CLAMP, PLATE, SWIVEL
66	02968832	1	VINYL TAPE GREEN 1/2" WIDE
67	02968833	1	VINYL TAPE GREEN 1/4" WIDE
68	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
69	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
72	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
73	00749103	2	SPLIT FLG KIT #20
74	02754100	2	ADP HYD ELBOW 20FL-16MJ90
75	00011400	2	HEXB 3/8-16 X 1 PL5
76	02991555	2	VINYL TAPE WHITE 1/4" WIDE

48 IN FLAIL - SHD HEAD ASY (SWIVEL MNT) 02986252 (PART 1) SN FA48 01746 TO CURRENT

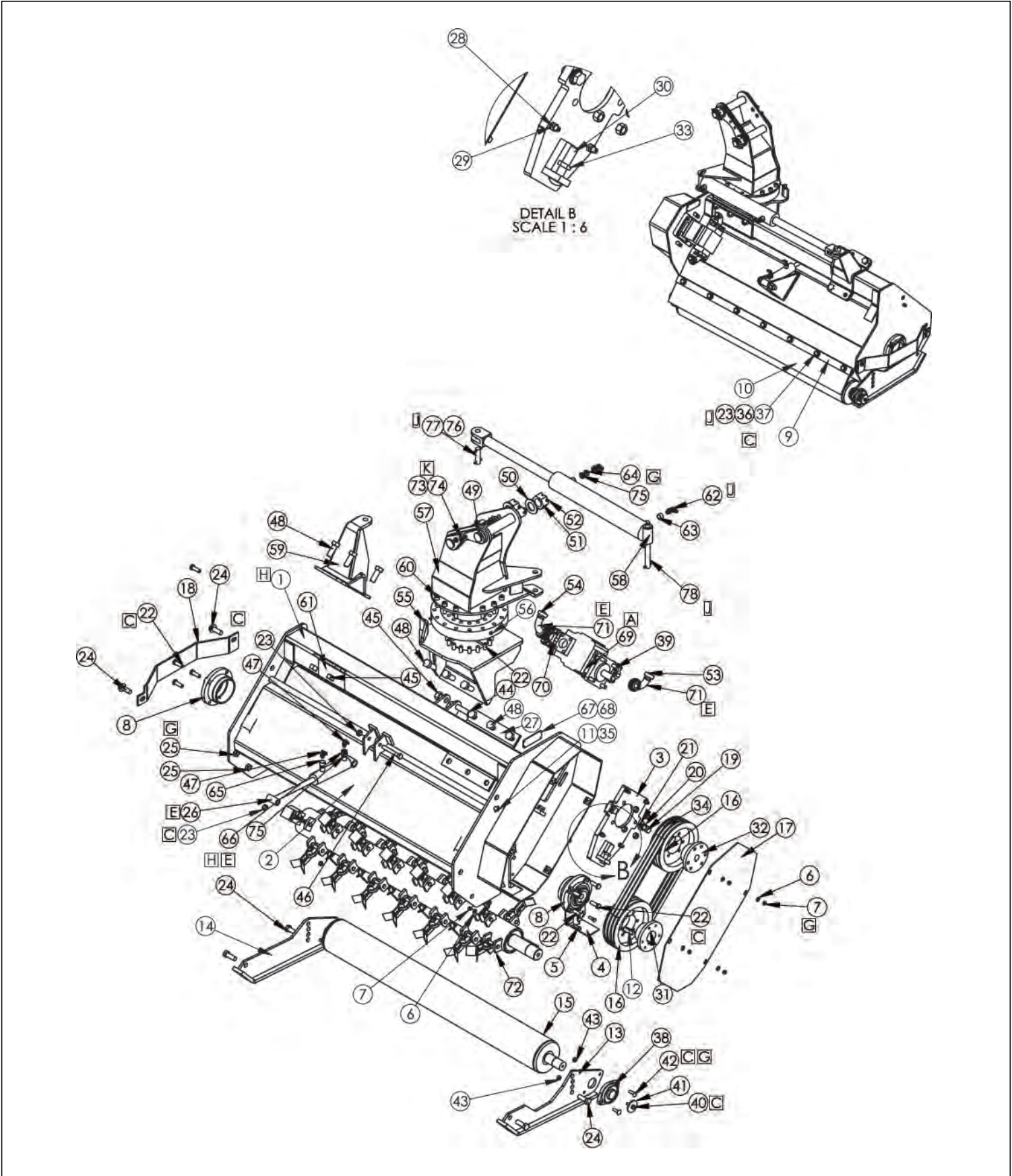


48 IN FLAIL - SHD HEAD ASY (SWIVEL MNT) 02986252 (PART 1) SN FA48 01746 TO CURRENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02994073	1	WLDMNT, HOUSING, F/AXE 48"
2	02994075	1	WLDMNT, DOOR, F/AXE, SWIVEL, 48"
3	02973544	1	WLDMT MOTOR MOUNTS
4	02970709	1	PLATE, INSIDE PLATE
5	10119000	2	HEXB 5/16 X 1 NC GR5
6	00023500	6	FLATWASHER 5/16 PL
7	00750940	6	LOCKNUT TLM 5/16 NC PLB
8	02958131A	2	FLANGE BEARING ASY 2 BORE
9	02956714	1	CLAMP BAR
10	02956712	1	RUBBER FLAP 6 X 48-1/2
11	02970326	1	ROD, HINGE, F/A DOOR
12	02958198	1	KEY 1/2 X 1/2 X 1 7/8 LG
13	02970585	1	WELDMNT, SKID SHOE
14	02956748	1	WLDMT, SKID SHOE
15	02970540	1	WELDMNT, ROLLER
16	02967325	2	PULLEY, 3G5V-8.50 DIA.
17	02970325	1	PLATE, COVER, BELT & PULLEY
18	02972442	1	GUARD, BEARING
19	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
20	00010300	2	WASHER, LOCK 5/8 GR8 - YDP
21	00001400	4	FLATWASHER 5/8 PL STD
22	02892000	23	HHCS, 1/2"-13 NC x 1-1/2" PL8
23	00001800	20	LOCKNUT TLM 1/2 NC PLC
24	00008300	6	HHCS 5/8 NC 1-3/4 PL5
25	00695100	5	NUT, TOPLOCK 5/8 NC PLC
26	02970710A	1	HYD CYL 1-1/2 BORE X 3-3/4
27	02970324	1	PLATE, HITCH POST CLAMP
28	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
29	23504500	8	NUT, JAM 3/8 NF PLB
30	03200925	1	CARB 5/8-11UNC 3LG PL5
31	02967328	1	BUSHING, QD-HUB SF 1-15/16 DIA.
32	02970537	1	HUB, QD-SF 1DIA. BORE W/KEY WAY
33	00013500	3	NUT JAM HEX 5/8 NC PL
34	02970539	3	V-BELT
35	02956768	2	PIN ROLL 5/32X1
36	00002700	7	FLATWASHER 1/2 PL STD
37	00749130	7	HHCS 1/2-13UNC 1-3/4 PL5
38	02957041	2	ROLLER BEARING AND FLANGE
39	00013300	4	HHCS 1/2 NC X 2 GR.5 PL
40	02972949	2	BOLT 3/8 NC GR8 X 1-1/4

48 IN FLAIL - SHD HEAD ASY (SWIVEL MNT) 02986252 (PART 2) SN FA48 01746 TO CURRENT

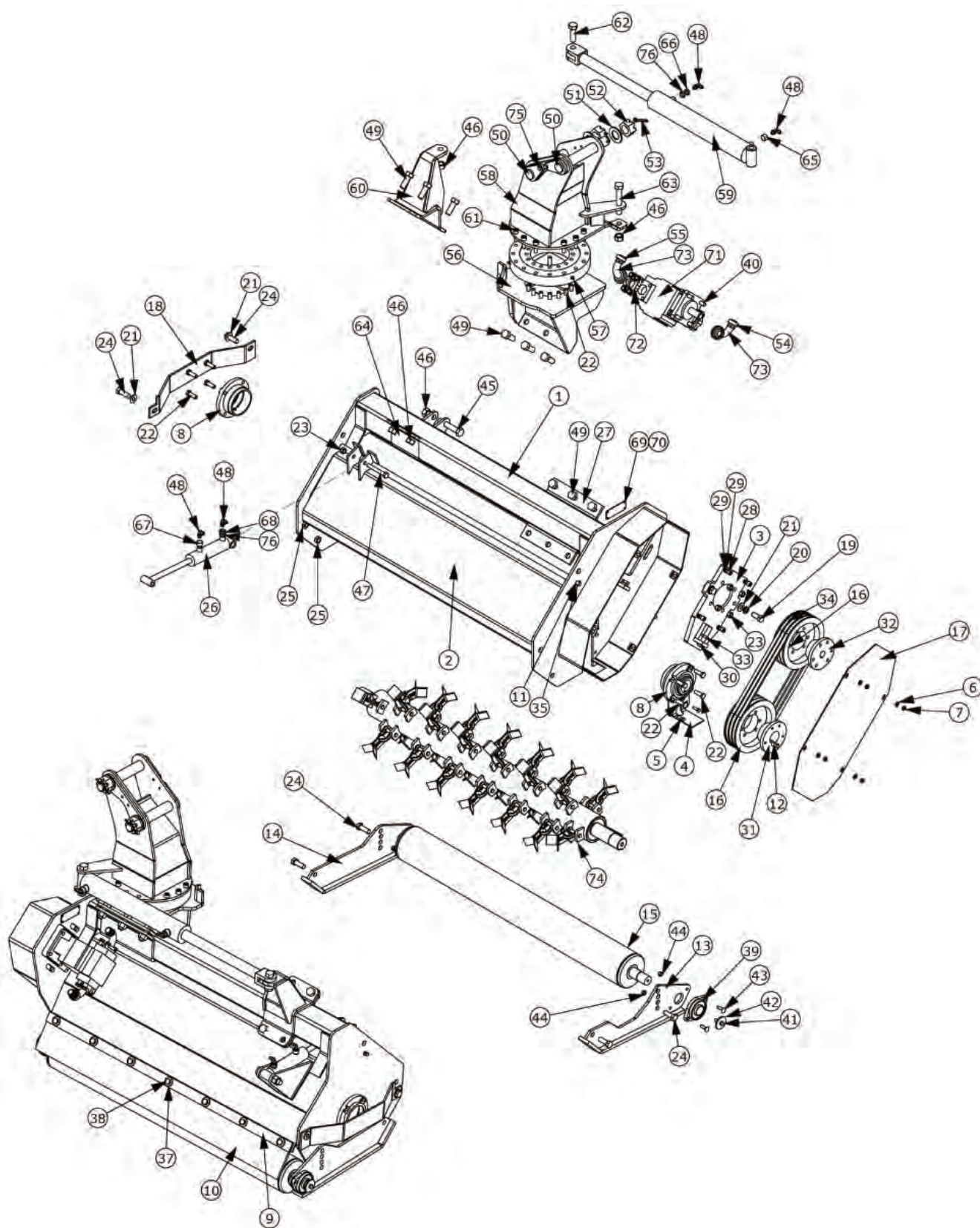


48 IN FLAIL - SHD HEAD ASY (SWIVEL MNT) 02986252 (PART 2) SN FA48 01746 TO CURRENT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02970586	2	WASHER,2OD,7/16 ID X 3/16
42	000644	4	CARB 3/8 NC 1-1/4 PL5
43	00015800	4	LOCKNUT TLM 3/8-NC PLC
44	00003300	1	HEXB 3/4 NC 4 PL5
45	00037200	11	NUT,HEX TOPLOCK 3/4 NC GR.C PL
46	00752716	1	HHCS 1/2 NC 3-1/2 PL8
47	02960018	2	ADP HYD ELBOW 4MB-4MJ90
48	02918600	10	HEXB 3/4-10UNC 2 PL8
49	02981757	2	WELDMENT, PIN, HITCH POST
50	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
51	02971701	2	NUT SLOT 1-3/8 12NF PLB
52	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
53	02968896	1	VINYL TAPE BLUE 1/2" WIDE
54	02968894	1	VINYL TAPE RED 1/2" WIDE
55	02984370	1	ADP, SWIVEL, HITCHPOST
56	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
57	02985319	1	WELDMENT, HITCH POST
58	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
59	02984374	1	WLDMNT, MOUNT, CYLINDER
60	02981820	12	SHCS 1/2 NC 1-1/2 PL8
61	02984382	1	CLAMP, PLATE, SWIVEL
62	03200762	2	ADP HYD ELBOW 6MB - 4MJ 90 DEG
63	02968832	1	VINYL TAPE GREEN 1/2" WIDE
64	02968833	1	VINYL TAPE GREEN 1/4" WIDE
65	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
66	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
67		4	
68	02971498	1	PLATE,S/N 48 FLAIL AXE
69	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
70	00749103	2	SPLIT FLG KIT #20
71	02754100	2	ADP HYD ELBOW 20FL-16MJ90
72	02959935	1	CUTTERSHAFT ASSY-H/D GRASS
73	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
74	02995908	2	NUT SPRLCK FLG 3/8-16 PL
75	02991555	2	VINYL TAPE WHITE 1/4" WIDE
76	002416	4	ROLL PIN 1/4 X 1-1/2 LG
77	02995471	1	PIN, 3/4" X 1-7/8" U.L.
78	02995472	1	PIN, 3/4" X 4" U.L.

48 IN FLAIL HEAD ASY SHD CC GEAR SWIVEL - PN 02986252 (PART 1) SN FA 01745 AND BEFORE

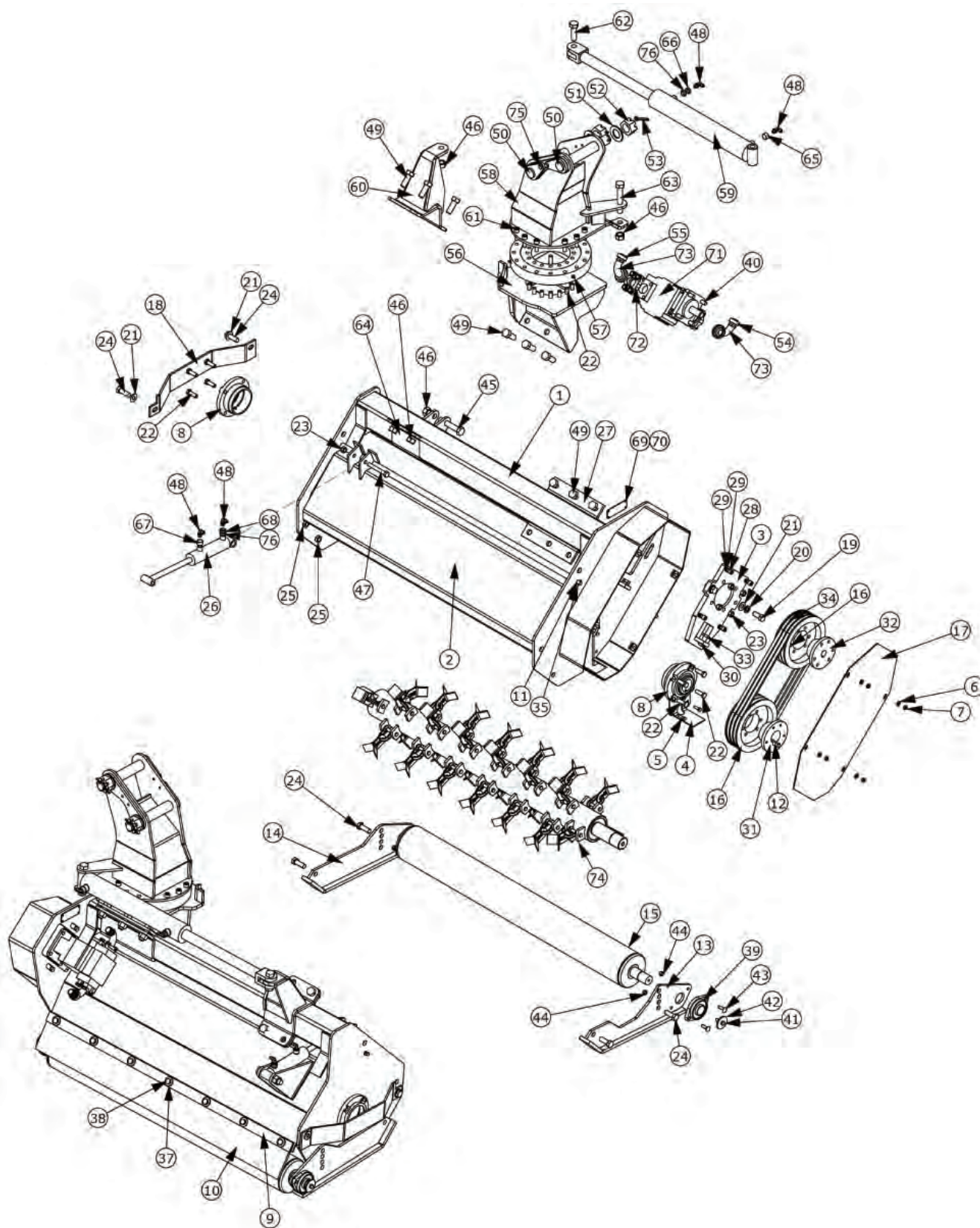


48 IN FLAIL HEAD ASY SHD CC GEAR SWIVEL - PN 02986252 (PART 1) SN FA 01745 AND BEFORE**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
0	02986252	1	ASY,48" FLAIL/AXE,SHD CC
1	02994073	1	WLDMNT, HOUSING, F/AXE 48"
2	02994075	1	WLDMNT,DOOR,F/AXE, SWIVEL, 48"
3	02973544	1	WLDMT MOTOR MOUNTS
4	02970709	1	PLATE,INSIDE PLATE
5	10119000	2	HEXB 5/16 X 1 NC GR5
6	00023500	6	FLATWASHER 5/16 PL
7	00750940	6	LOCKNUT TLM 5/16 NC PLB
8	02958131A	2	FLANGE BEARING ASY 2 BORE
9	02956714	1	CLAMP BAR
10	02956712	1	RUBBER FLAP 6 X 48-1/2
11	02970326	1	ROD,HINGE,F/A DOOR
12	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
13	02970585	1	WELDMNT,SKID SHOE
14	02956748	1	WLDMT, SKID SHOE
15	02970540	1	WELDMNT,ROLLER
16	02967325	2	PULLEY, 3G5V-8.50 DIA.
17	02970325	1	PLATE,COVER,BELT & PULLEY
18	02972442	1	GUARD,BEARING
19	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
20	00010300	2	WASHER,LOCK 5/8 GR8 - YDP
21	00001400	4	FLATWASHER 5/8 PL STD
22	02892000	23	HHCS, 1/2"-13 NC x 1-1/2" PL8
23	00001800	13	LOCKNUT TLM 1/2 NC PLC
24	00008300	6	HHCS 5/8 NC 1-3/4 PL5
25	00695100	5	NUT,TOPLOCK 5/8 NC PLC
26	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
27	02970324	1	PLATE,HITCH POST CLAMP
28	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
29	23504500	8	NUT, JAM 3/8 NF PLB
30	03200925	1	CARB 5/8-11UNC 3LG PL5
31	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
32	02970537	1	HUB,QD-SF 1DIA.BORE W/KEY WAY
33	00013500	3	NUT JAM HEX 5/8 NC PL
34	02970539	3	V-BELT
35	02956768	2	PIN ROLL 5/32X1
36	00748139	7	NUT,1/2NF CENTERLOCK
37	00002700	7	FLATWASHER 1/2 PL STD
38	00001880	7	HHCS 1/2 NF 1-1/2 PL5
39	02957041	2	ROLLER BEARING AND FLANGE
40	00013300	4	HHCS 1/2 NC X 2 GR.5 PL

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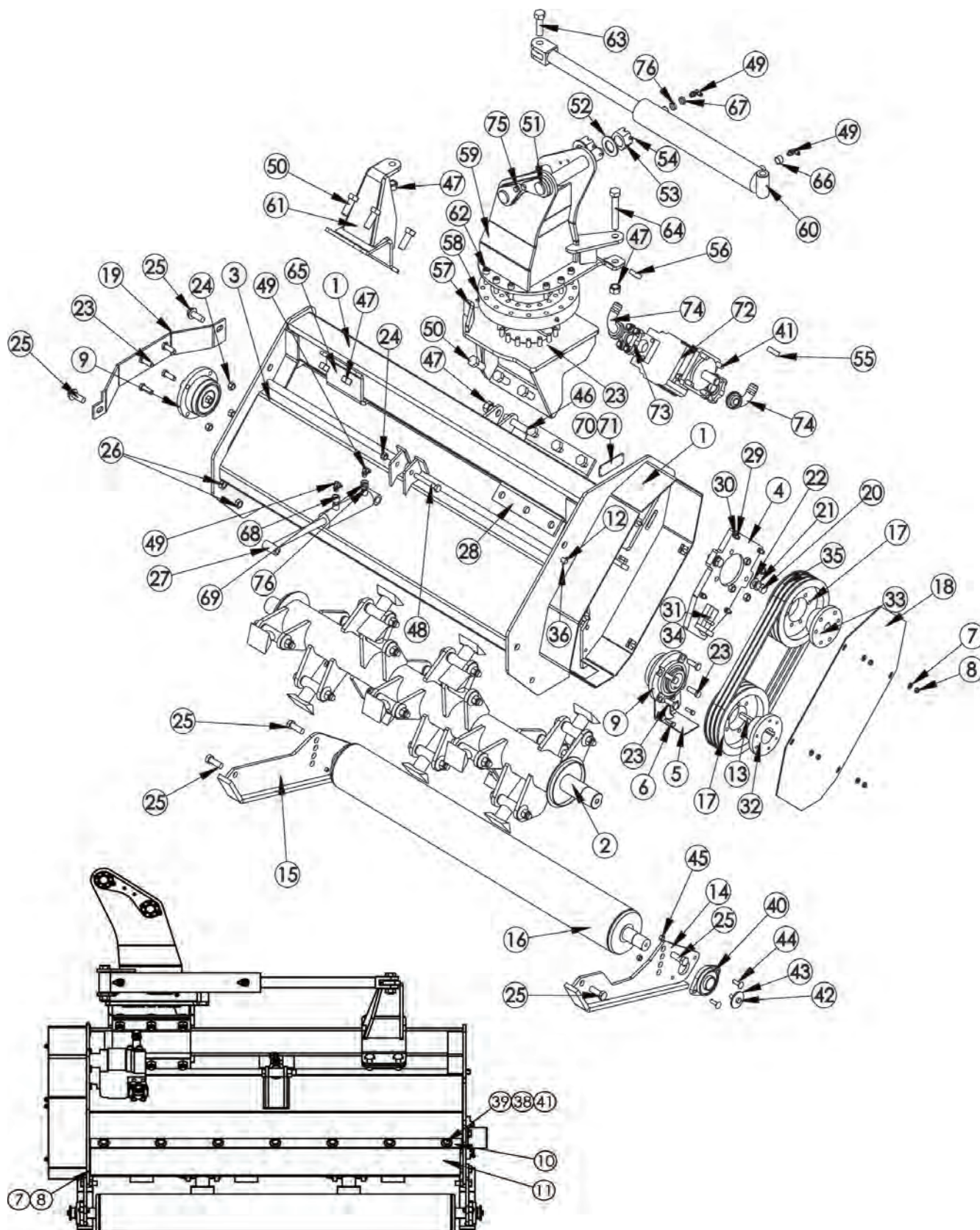
48 IN FLAIL HEAD ASY SHD CC GEAR SWIVEL - PN 02986252 (PART 2) SN FA 01745 AND BEFORE



48 IN FLAIL HEAD ASY SHD CC GEAR SWIVEL - PN 02986252 (PART 2) SN FA 01745 AND BEFORE**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
42	02970586	2	WASHER,2OD,7/16 ID X 3/16
43	000644	4	CARB 3/8 NC 1-1/4 PL5
44	00015800	4	LOCKNUT TLM 3/8-NC PLC
45	00003300	1	HEXB 3/4 NC 4 PL5
46	00037200	13	NUT,HEX TOPLOCK 3/4 NC GR.C PL
47	00752716	1	HHCS 1/2 NC 3-1/2 PL8
48	02960018	4	ADP HYD ELBOW 4MB-4MJ90
49	02918600	10	HEXB 3/4-10UNC 2 PL8
50	02981757	2	WELDMENT, PIN, HITCH POST
51	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
52	02971701	2	NUT SLOT 1-3/8 12NF PLB
53	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
54	02968896	1	VINYL TAPE BLUE 1/2" WIDE
55	02968894	1	VINYL TAPE RED 1/2" WIDE
56	02984370	1	ADP, SWIVEL, HITCHPOST
57	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
58	02985319	1	WELDMENT, HITCH POST
59	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
60	02984374	1	WLDMNT, MOUNT, CYLINDER
61	02981820	12	SHCS 1/2 NC 1-1/2 PL8
62	02963646	1	HHCS 3/4 NC 2-1/2 PL8
63	02981885	1	HHCS, 3/4-10UNC x 4 3/4" PL8
64	02984382	1	CLAMP, PLATE, SWIVEL
65	02968832	1	VINYL TAPE GREEN 1/2" WIDE
66	02968833	1	VINYL TAPE GREEN 1/4" WIDE
67	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
68	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
69		4	
70	02971498	1	PLATE,S/N 48 FLAIL AXE
71	02987315	1	MOTOR, GEAR 3.0 CU/IN F/A
72	00749103	2	SPLIT FLG KIT #20
73	02754100	2	ADP HYD ELBOW 20FL-16MJ90
74	02959935	1	CUTTERSHAFT ASSY-H/D GRASS
75	00011400	2	HEXB 3/8-16 X 1 PL5
76	02991555	2	VINYL TAPE WHITE 1/4" WIDE

48 IN FLAIL - HEAD ASY FLAIL AXE HIGH FLOW, SWVL SN FA48 01746 TO CURRENT (PART 1)



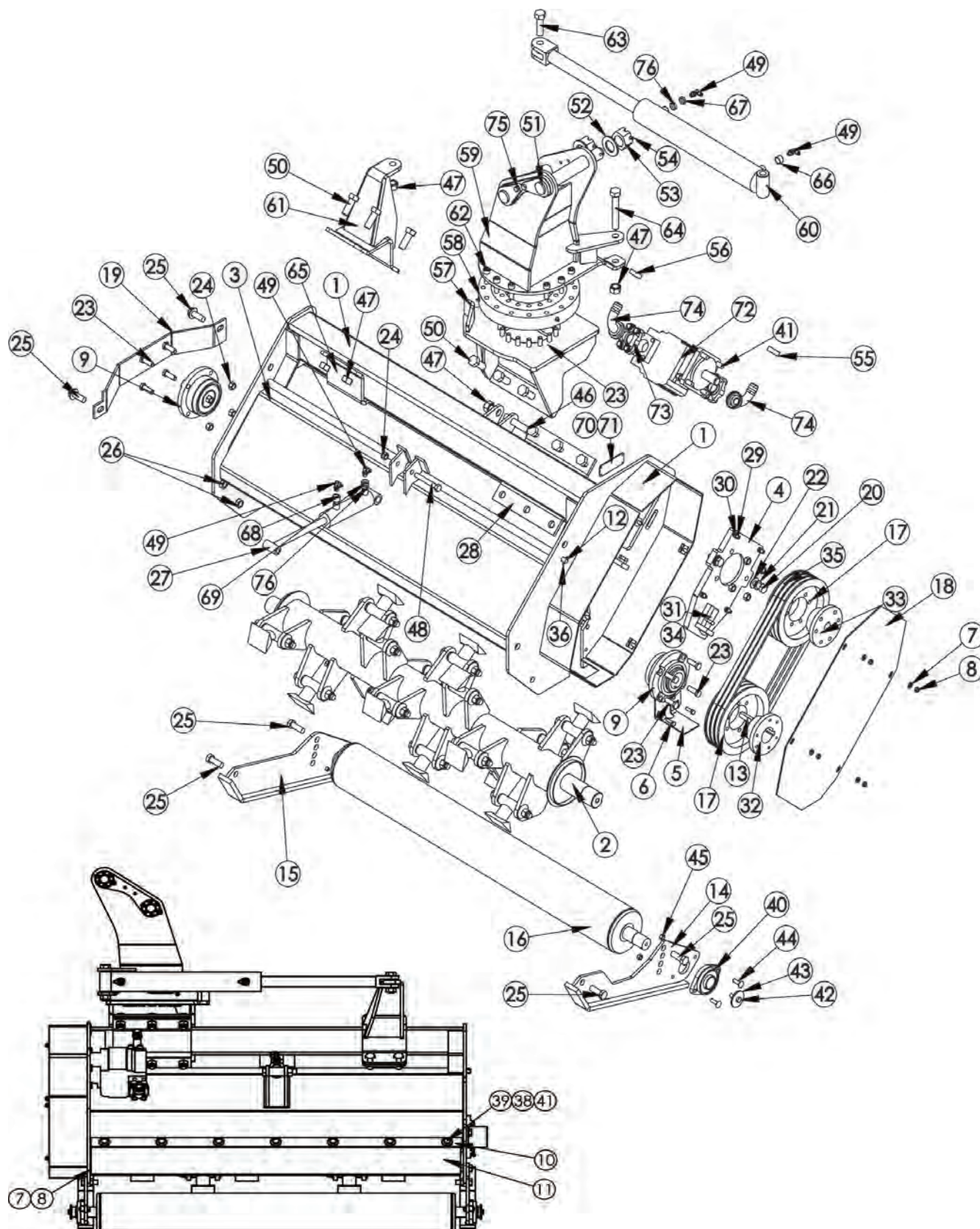
48 IN FLAIL - HEAD ASY FLAIL AXE HIGH FLOW, SWVL SN FA48 01746 TO CURRENT (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
0	02990396	1	ASY, FLAIL AXE HIGH FLOW SWVL
1	02994073	1	WLDMNT, HOUSING, F/AXE 48
2	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
3	02994075	1	WLDMNT,DOOR,F/AXE, SWIVEL, 48"
4	02973544	1	WLDMT MOTOR MOUNTS
5	02970709	1	PLATE,INSIDE PLATE
6	10119000	2	HEXB 5/16 X 1 NC GR5
7	00023500	6	FLATWASHER 5/16 PL
8	00750940	6	LOCKNUT TLM 5/16 NC PLB
9	02958131A	2	FLANGE BEARING ASY 2 BORE
10	02956714	1	CLAMP BAR
11	02956712	1	RUBBER FLAP 6 X 48-1/2
12	02970326	1	ROD,HINGE,F/A DOOR
13	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
14	02970585	1	WELDMNT,SKID SHOE
15	02956748	1	WLDMT, SKID SHOE
16	02970540	1	WELDMNT,ROLLER
17	02967325	2	PULLEY, 3G5V-8.50 DIA.
18	02970325	1	PLATE,COVER,BELT & PULLEY
19	02972442	1	GUARD,BEARING
20	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
21	00010300	2	WASHER,LOCK 5/8 GR8 - YDP
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 PLC
25	00008300	6	HHCS 5/8 NC 1-3/4 PL5
26	00695100	5	NUT,TOPLOCK 5/8 NC PLC
27	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
28	02970324	1	PLATE,HITCH POST CLAMP
29	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
30	23504500	8	NUT, JAM 3/8 NF PLB
31	03200925	1	CARB 5/8-11UNC 3LG PL5
32	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
33	02970537	1	HUB,QD-SF 1DIA.BORE W/KEY WAY
34	00013500	3	NUT JAM HEX 5/8 NC PL
35	02970539	3	V-BELT
36	02956768	2	PIN ROLL 5/32X1
37	00749138	7	NUT,1/2NF CENTERLOCK
38	00002700	7	FLATWASHER 1/2 PL STD
39	00001880	7	HHCS 1/2 NF 1-1/2 PL5
40	02957041	2	ROLLER BEARING AND FLANGE

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48 IN FLAIL - HEAD ASY FLAIL AXE HIGH FLOW, SWVL SN FA48 01746 TO CURRENT (PART 2)



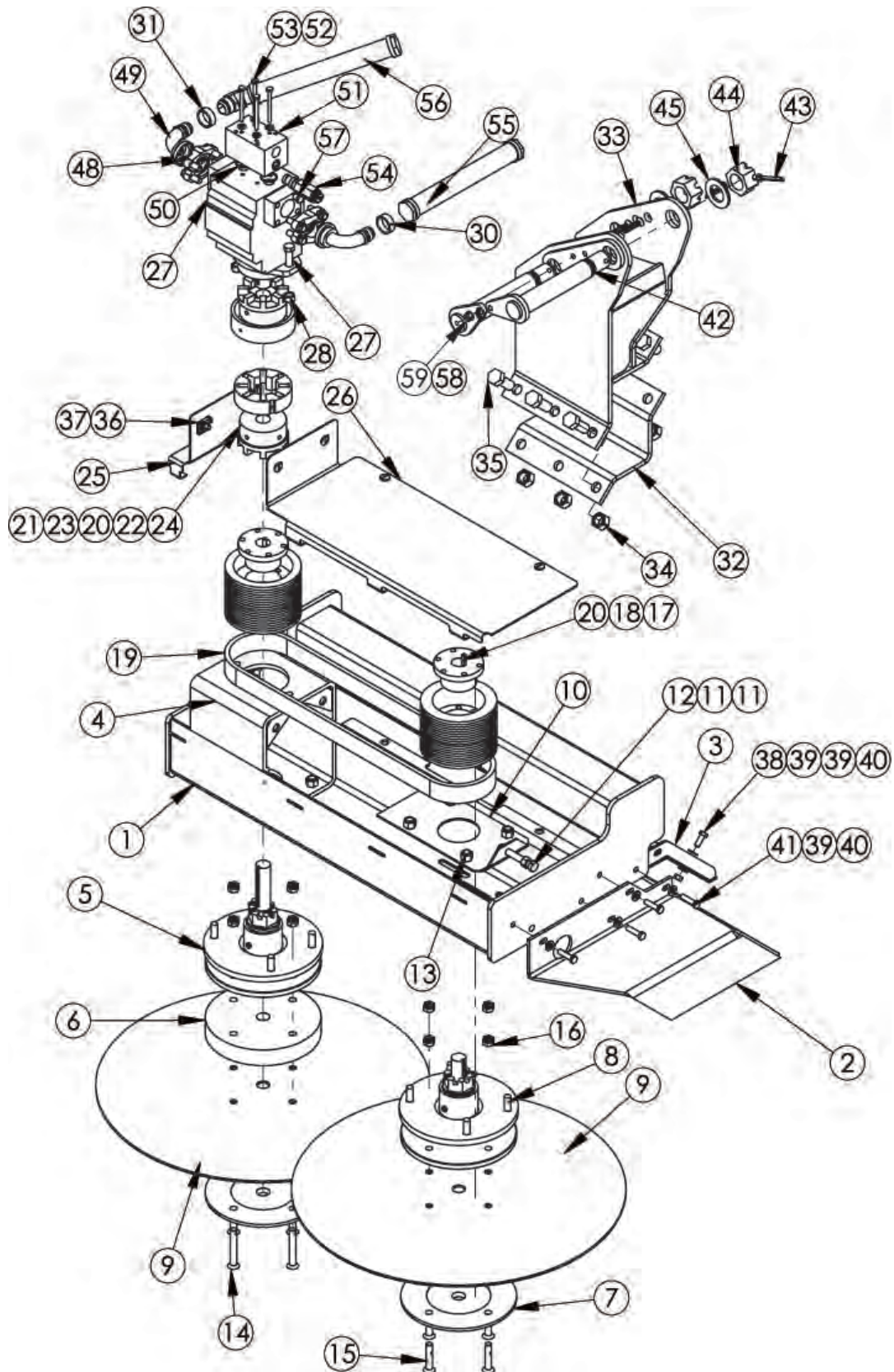
48 IN FLAIL - HEAD ASY FLAIL AXE HIGH FLOW, SWVL SN FA48 01746 TO CURRENT (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	00013300	4	HHCS 1/2 NC X 2 GR.5 PL
42	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
43	02970586	2	WASHER,2OD,7/16 ID X 3/16
44	000644	4	CARB 3/8 NC 1-1/4 PL5
45	00015800	4	LOCKNUT TLM 3/8-NC PLC
46	00003300	1	HEXB 3/4 NC 4 PL5
47	00037200	13	NUT,HEX TOPLOCK 3/4 NC GR.C PL
48	00752716	1	HHCS 1/2 NC 3-1/2 PL8
49	02960018	4	ADP HYD ELBOW 4MB-4MJ90
50	02918600	10	HEXB 3/4-10UNC 2 PL8
51	02981757	2	WELDMNT, PIN, HITCH POST
52	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
53	02971701	2	NUT SLOT 1-3/8 12NF PLB
54	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
55	02968896	1	VINYL TAPE BLUE 1/2" WIDE
56	02968894	1	VINYL TAPE RED 1/2" WIDE
57	02984370	1	ADP, SWIVEL, HITCHPOST
58	02981318	1	SLEW BEARING, 12 OD X 5.8 ID
59	02985319	1	WELDMNT, HITCH POST
60	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
61	02984374	1	WLDMNT, MOUNT, CYLINDER
62	02981820	12	SHCS 1/2 NC 1-1/2 PL8
63	02963646	1	HHCS 3/4 NC 2-1/2 PL8
64	02981885	1	HHCS, 3/4-10UNC x 4 3/4" PL8
65	02984382	1	CLAMP, PLATE, SWIVEL
66	02968832	1	VINYL TAPE GREEN 1/2" WIDE
67	02968833	1	VINYL TAPE GREEN 1/4" WIDE
68	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
69	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
70		4	
71	02971498	1	PLATE,S/N 48 FLAIL AXE
72	02961678	1	HYD MOTOR-CAST IRON,3.94 CU IN
73	00749103	2	SPLIT FLG KIT #20
74	02754100	2	ADP HYD ELBOW 20FL-16MJ90
75	00011400	2	HEXB 3/8-16 X 1 PL5
76	02991555	2	VINYL TAPE WHITE 1/4" WIDE

SECTION 30 BUZZ BARS

48 IN BUZZBAR - 2 BLADES - STD HEAD (PART 1) PN 02986219



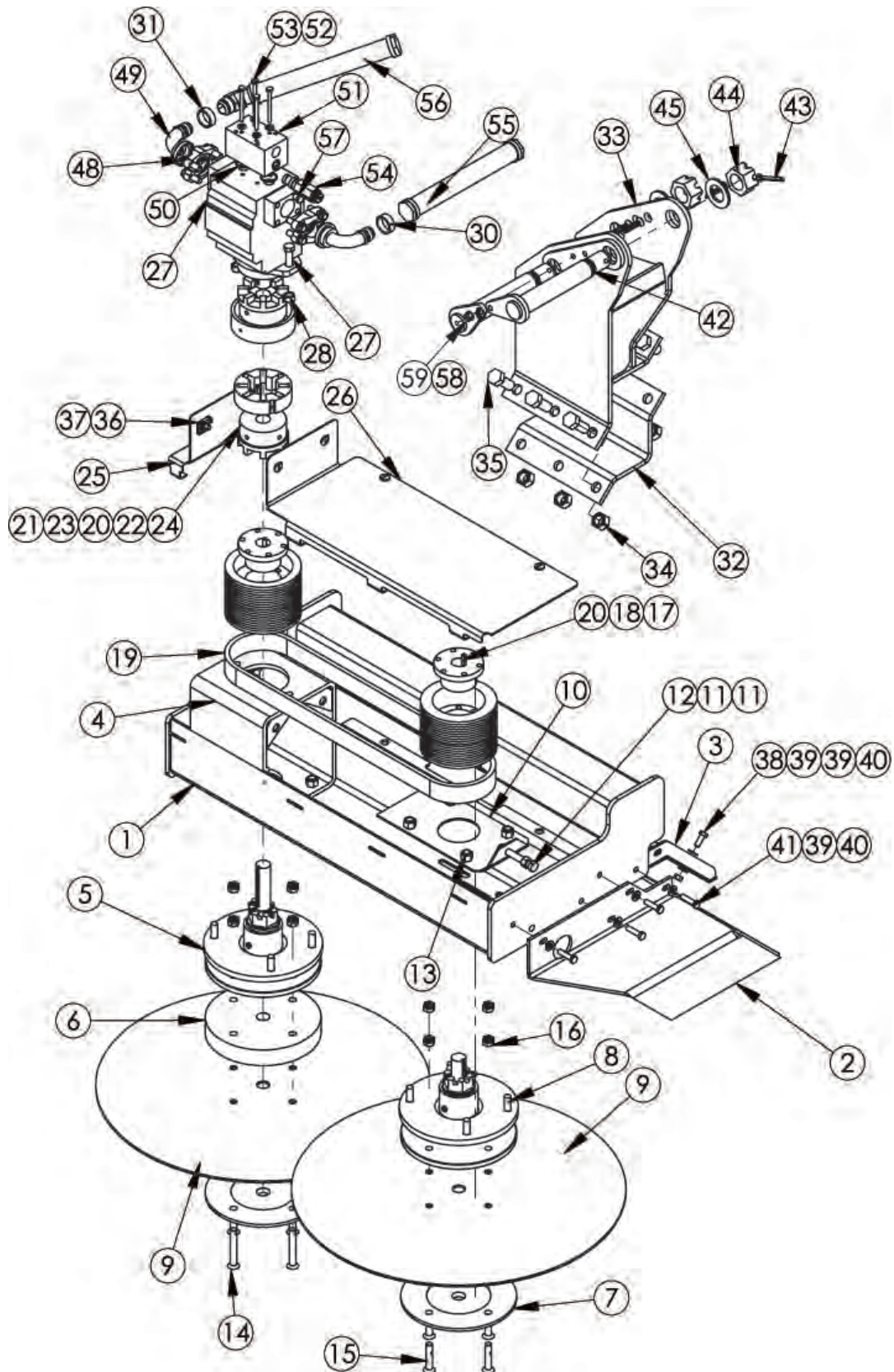
48 IN BUZZBAR - 2 BLADES - STD HEAD (PART 1) PN 02986219

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983631	1	WELDMENT, SAW BODY, 2 BLADE
2	02974207	1	BUMPER
3	02979274	1	WELDMENT, REAR SHIELD,
4	02979262	1	MACHINED TUBE, MOTOR MOUNT
5	02978249	1	ASY,DRIVE SPINDLE
6	02974238	1	SPACER
7	02974237	2	END CAP
8	02974235	1	ASY SPINDLE
9	02974236	2	BLADE SAW
10	02974225	1	BRACKET TENSION ADJUSTMENT
11	00001200	2	NUT 1/2 NC HEX PL
12	002521	1	HHCS 1/2 NC 3-1/2 PL5
13	00750614	8	NUT 1/2-20NF 90DEG.CONE LUG PL
14	02974659	4	CSSH 1/2 NC 3-1/2
15	02974658	4	CSSH 1/2 NC 2
16	02976017	8	NUT, SLOTTED 1/2 NC PLB
17	02974239	2	SHEAVE POLY-V 20L6.00 W/GROOVE
18	02974240	2	KIT, TAPERED BUSHING, BUZZBAR
19	02974241	1	BELT POLY-V 615L10
20	02669600	3	KEY 1/4 SQ X 1 1/4 LG.
21	02978267	1	HUB 20R10 1-1/8 BORE 1/4 KEY
22	02978268	1	INSERT, URETHANE FOR 20R10
23	02978269	1	COVER, PROTECTIVE NYLON FOR
24	02978266	1	HUB, 20R10 1BORE WITH
25	02979271	1	SHEET, BELT COVER, LEFT 2
26	02979296	1	SHEET, BELT COVER SHORT
27	02975175	1	MOTOR GEAR 3.94 CIR
28	00001800	2	LOCKNUT TLM 1/2 NC PLC
29	00749130	2	HHCS 1/2-13UNC 1-3/4 PL5
30	02968894	1	VINYL TAPE RED 1/2" WIDE
31	02968896	1	VINYL TAPE BLUE 1/2" WIDE
32	02970324	1	PLATE,HITCH POST CLAMP
33	02986218	1	WELDMENT, HITCH POST
34	00037200	6	NUT,HEX TOPLOCK 3/4 NC GR.C PL
35	02918600	6	HEXB 3/4-10UNC 2 PL8
36	02984677	7	SLIP ON RECEPTACLE 9MM
37	02984678	7	STUD 9MM 1/4 TURN
38	00011400	1	HEXB 3/8-16 X 1 PL5
39	00011100	10	FLATWASHER STD 3/8 - PLATED
40	00015800	9	LOCKNUT TLM 3/8-NC PLC

02986950P - Samurai HF (12-08)_03-21

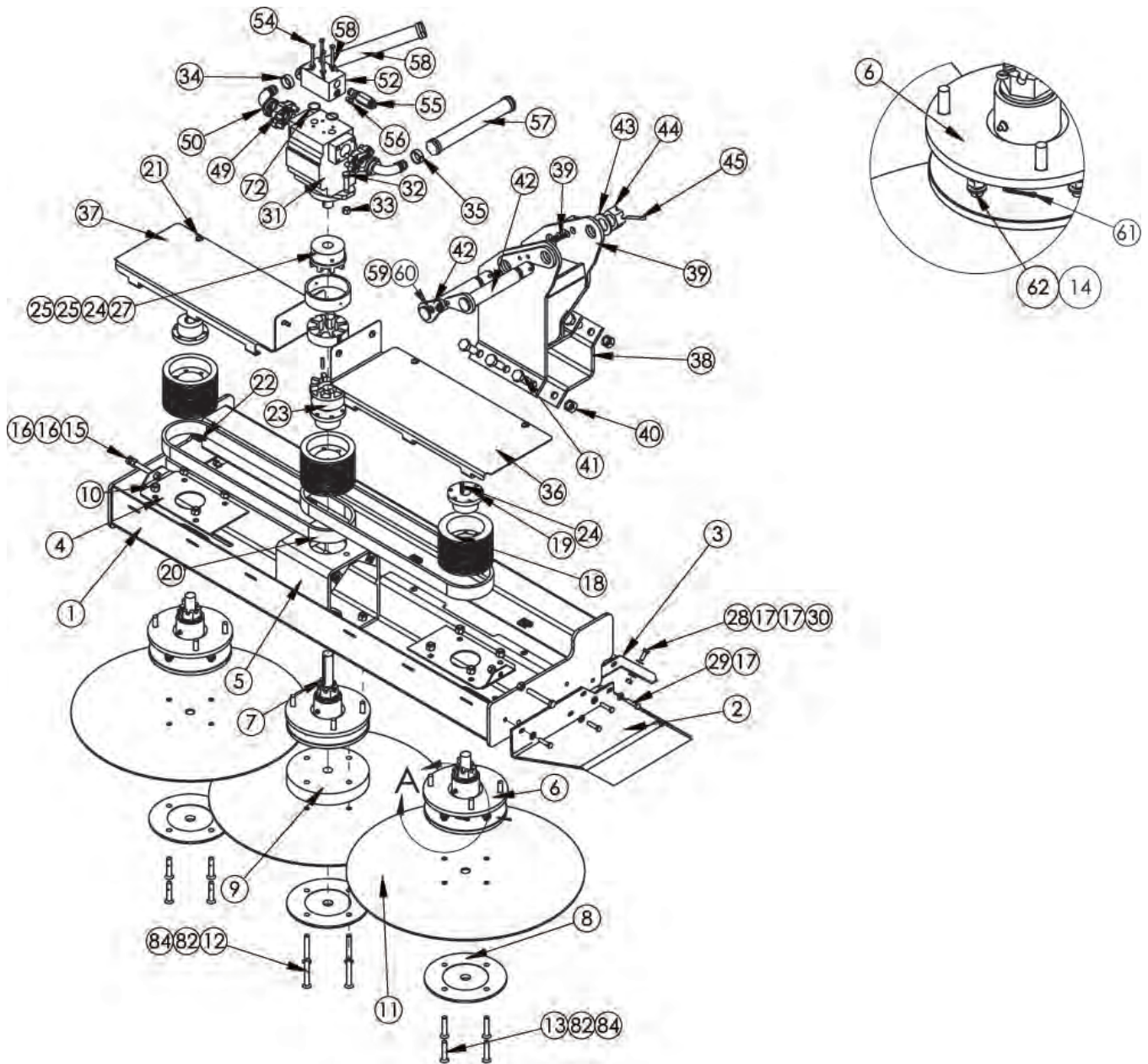
48 IN BUZZBAR - 2 BLADES - STD HEAD (PART 2) PN 02986219



48 IN BUZZBAR - 2 BLADES - STD HEAD (PART 2) PN 02986219**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	00023100	8	HHCS 3/8 -16UNC 1-1/2 PL5
42	02981757	2	WELDMENT, PIN, HITCH POST
43	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
44	02971701	2	NUT SLOT 1-3/8 12NF PLB
45	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
48	00749103	2	SPLIT FLG KIT #20
49	02754100	2	ADP HYD ELBOW 20FL-16MJ90
50	00761699	2	O-RING 1-1/16 X 1-1/4 X 3/32
51	00760886	1	MANIFOLD BLOCK HYD. 15F
52	00024100	4	FLATWASHER STD 1/4 PL
53	10074000	4	HHCS 1/4 NC 3 PL5
54	00751790	1	VALVE RELIEF SET TO 1850 PSI
55	02988057	1	HOSE #16-16FJX -16FJX - 74LG
56	02969678	1	HOSE #16-16FJX -16FJX45- 74LG
57	02961940	1	PLUG HEX SKT HD 4MB
58	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
59	02995908	2	NUT SPRLCK FLG 3/8-16 PL
80	63000500	8	WASHER, FLAT, PLATED
81	40010000	8	PIN, COTTER 1/8 X1
82	02961085	1	CORDURA SLEEVING,3.66 ID,54 LG

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 1) PN 02986229

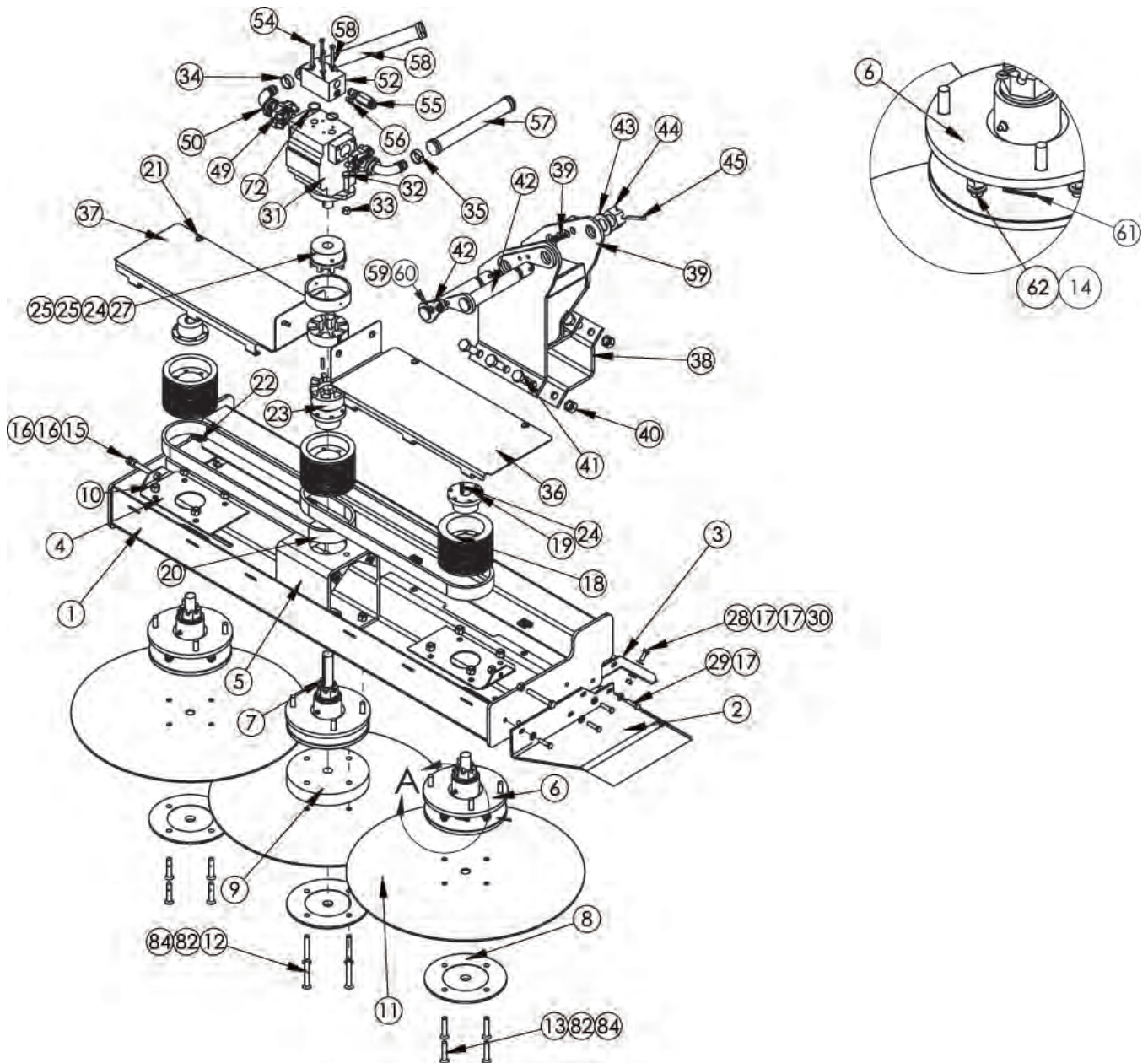


ITEM	PART NO.	QTY.	DESCRIPTION
1	02983632	1	WELDMENT, SAW BODY 3 BLADE
2	02974207	1	BUMPER
3	02979258	1	WELDMENT, REAR SHIELD
4	02974225	2	BRACKET TENSION ADJUSTMENT
5	02979262	1	MACHINED TUBE, MOTOR MOUNT
6	02974235	2	ASY SPINDLE
7	02978249	1	ASY,DRIVE SPINDLE
8	02974237	3	END CAP
9	02974238	1	SPACER

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 1) PN 02986229**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
10	00750614	12	NUT 1/2-20NF 90DEG.CONE LUG PL
11	02974236	3	BLADE SAW
12	02974659	4	CSSH 1/2 NC 3-1/2
13	02974658	8	CSSH 1/2 NC 2
14	02976017	12	NUT, SLOTTED 1/2 NC PLB
15	002521	2	HHCS 1/2 NC 3-1/2 PL5
16	00001200	4	NUT 1/2 NC HEX PL
17	00011100	10	FLATWASHER STD 3/8 - PLATED
18	02974239	3	SHEAVE POLY-V 20L6.00 W/GROOVE
19	02974240	3	KIT, TAPERED BUSHING, BUZZBAR
20	02974241	2	BELT POLY-V 615L10
21	02984678	8	STUD 9MM 1/4 TURN
22	02984677	8	SLIP ON RECEPTACLE 9MM
23	02978267	1	HUB 20R10 1-1/8 BORE 1/4 KEY
24	02669600	4	KEY 1/4 SQ X 1 1/4 LG.
25	02978268	1	INSERT, URETHANE FOR 20R10
26	02978269	1	COVER, PROTECTIVE NYLON FOR
27	02978266	1	HUB, 20R10 1BORE WITH
28	00011400	1	HEXB 3/8-16 X 1 PL5
29	00023100	8	HHCS 3/8 -16UNC 1-1/2 PL5
30	00015800	9	LOCKNUT TLM 3/8-NC PLC
31	02975175	1	MOTOR GEAR 3.94 CIR
32	00749130	2	HHCS 1/2-13UNC 1-3/4 PL5
33	00001800	2	LOCKNUT TLM 1/2 NC PLC
34	02968894	1	VINYL TAPE RED 1/2" WIDE
35	02968896	1	VINYL TAPE BLUE 1/2" WIDE
36	02979255	1	SHEET, BELT COVER, LEFT 3
37	02970324	1	PLATE,HITCH POST CLAMP
38	02986218	1	WELDMENT, HITCH POST
39	00037200	6	NUT,HEX TOPLOCK 3/4 NC GR.C PL
40	02918600	6	HEXB 3/4-10UNC 2 PL8

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 2) PN 02986229

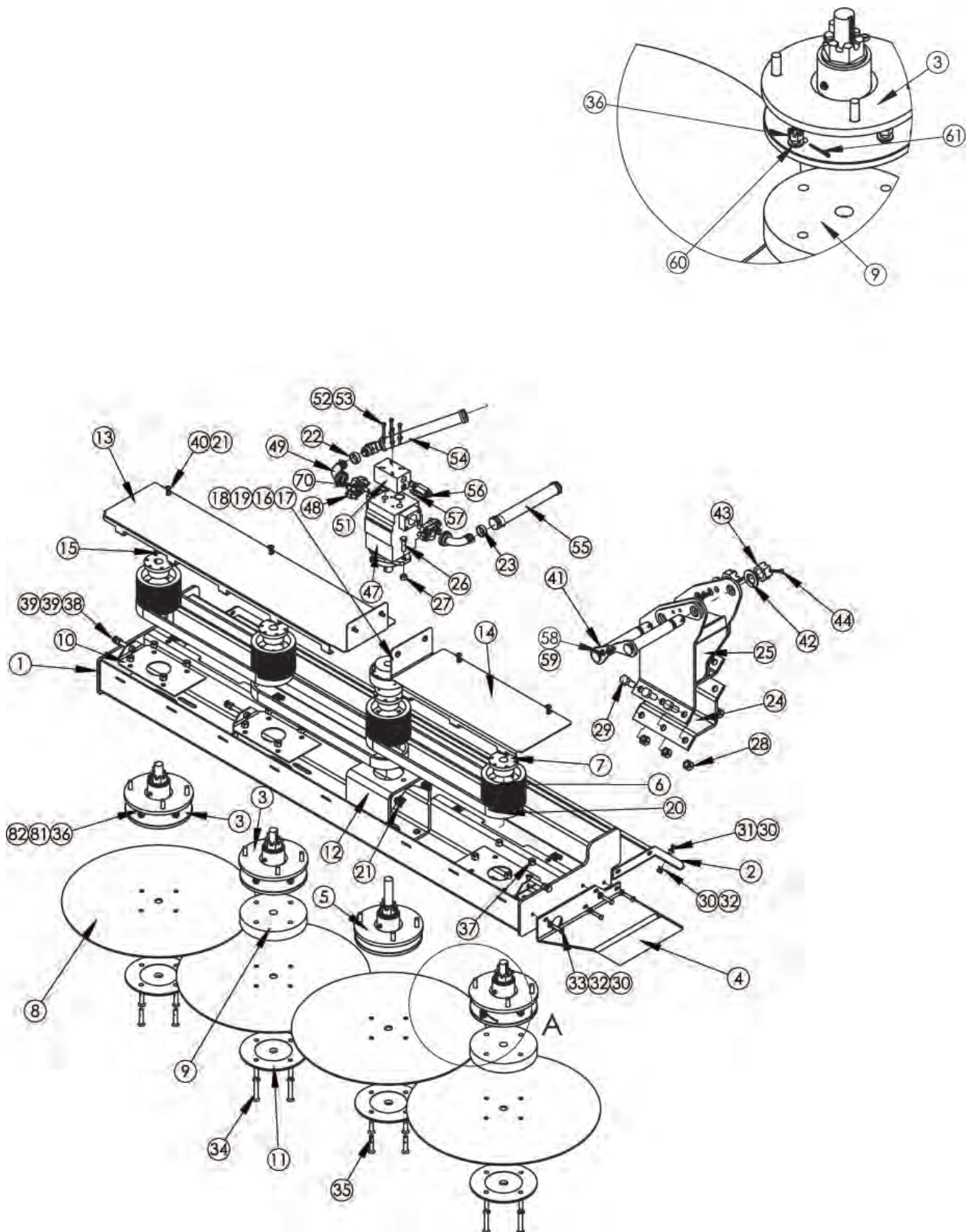


ITEM	PART NO.	QTY.	DESCRIPTION
41	02981757	2	WELDMENT, PIN, HITCH POST
42	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
43	02971701	2	NUT SLOT 1-3/8 12NF PLB
44	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
45	00749103	2	SPLIT FLG KIT #20
49	02754100	2	ADP HYD ELBOW 20FL-16MJ90
50	00761699	2	O-RING 1-1/16 X 1-1/4 X 3/32
51	00760886	1	MANIFOLD BLOCK HYD. 15F
52	00024100	4	FLATWASHER STD 1/4 PL

69 IN BUZZBAR - 3 BLADES - STD HEAD (PART 2) PN 02986229**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
53	10074000	4	HHCS 1/4 NC 3 PL5
54	00751790	1	VALVE RELIEF SET TO 1850 PSI
55	02961940	1	PLUG HEX SKT HD 4MB
56	02988057	1	HOSE #16-16FJX -16FJX - 74LG
57	02969678	1	HOSE #16-16FJX -16FJX45- 74LG
58	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
59	02995908	2	NUT SPRLCK FLG 3/8-16 PL
60	40010000	12	PIN, COTTER 1/8 X1
61	63000500	12	WASHER, FLAT, PLATED
62	02979296	1	SHEET, BELT COVER SHORT

90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 1) PN 02986235



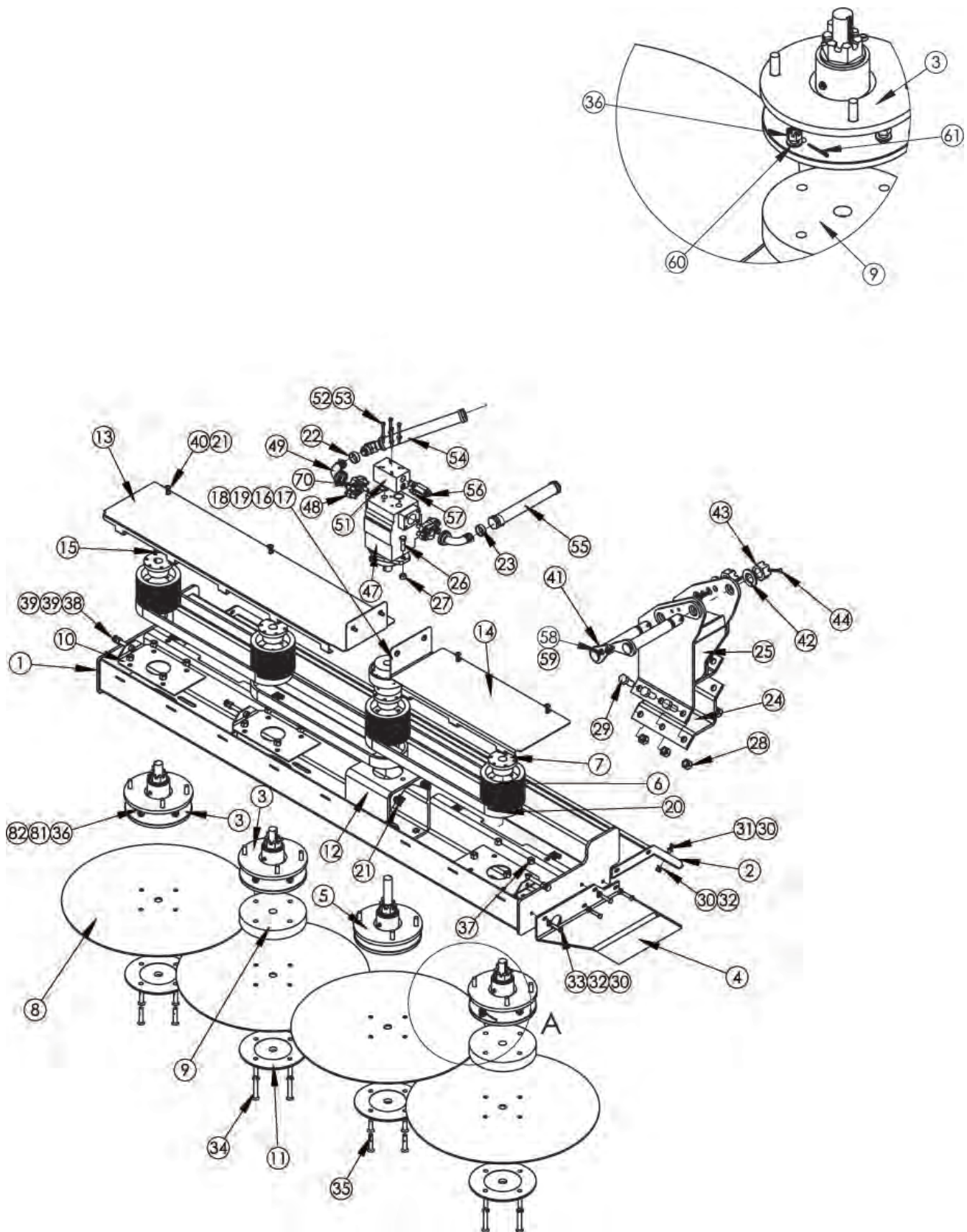
90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 1) PN 02986235

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02983633	1	WELDMENT, SAW BODY, 4 BLADE
2	02974212	1	WLDMT SHIELD REAR
3	02974235	3	ASY SPINDLE
4	02974207	1	BUMPER
5	02978249	1	ASY,DRIVE SPINDLE
6	02974239	4	SHEAVE POLY-V 20L6.00 W/GROOVE
7	02974240	4	KIT, TAPERED BUSHING, BUZZBAR
8	02974236	4	BLADE SAW
9	02974238	2	SPACER
10	02974225	3	BRACKET TENSION ADJUSTMENT
11	02974237	4	END CAP
12	02979262	1	MACHINED TUBE, MOTOR MOUNT
13	02979297	1	SHEET, BELT COVER LONG, 4
14	02979296	1	SHEET, BELT COVER SHORT
15	02669600	5	KEY 1/4 SQ X 1 1/4 LG.
16	02978267	1	HUB 20R10 1-1/8 BORE 1/4 KEY
17	02978266	1	HUB, 20R10 1BORE WITH
18	02978269	1	COVER, PROTECTIVE NYLON FOR
19	02978268	1	INSERT, URETHANE FOR 20R10
20	02974241	3	BELT POLY-V 615L10
21	02984677	9	SLIP ON RECEPTACLE 9MM
22	02968896	1	VINYL TAPE BLUE 1/2" WIDE
23	02968894	1	VINYL TAPE RED 1/2" WIDE
24	02970324	1	PLATE,HITCH POST CLAMP
25	02986218	1	WELDMENT, HITCH POST
26	00749130	2	HHCS 1/2-13UNC 1-3/4 PL5
27	00001800	2	LOCKNUT TLM 1/2 NC PLC
28	00037200	6	NUT,HEX TOPLOCK 3/4 NC GR.C PL
29	02918600	6	HEXB 3/4-10UNC 2 PL8
30	00011100	10	FLATWASHER STD 3/8 - PLATED
31	00011400	1	HEXB 3/8-16 X 1 PL5
32	00015800	9	LOCKNUT TLM 3/8-NC PLC
33	00023100	8	HHCS 3/8 -16UNC 1-1/2 PL5
34	02974659	8	CSSH 1/2 NC 3-1/2
35	02974658	8	CSSH 1/2 NC 2
36	02976017	16	NUT, SLOTTED 1/2 NC PLB
37	00750614	16	NUT 1/2-20NF 90DEG.CONE LUG PL
38	002521	3	HHCS 1/2 NC 3-1/2 PL5
39	00001200	6	NUT 1/2 NC HEX PL
40	02984678	9	STUD 9MM 1/4 TURN

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90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 2) PN 02986235



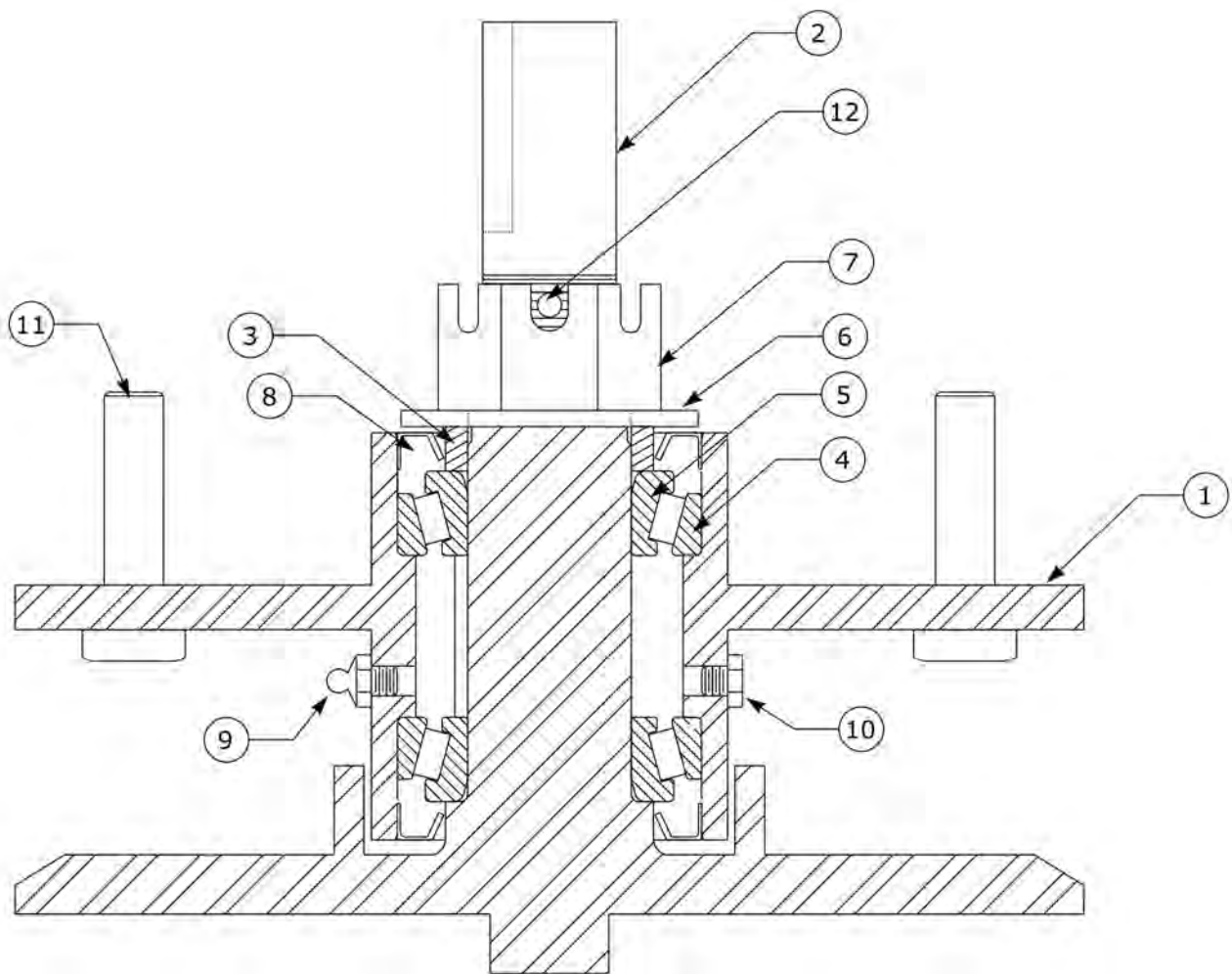
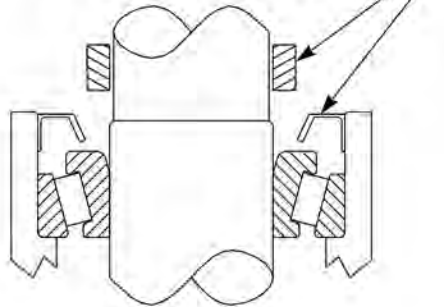
90 IN BUZZBAR - 4 BLADES - STD HEAD (PART 2) PN 02986235**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02981757	2	WELDMENT, PIN, HITCH POST
42	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
43	02971701	2	NUT SLOT 1-3/8 12NF PLB
44	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
45	02975513	1	PLATE SERIAL NUMBER BB90
47	02975175	1	MOTOR GEAR 3.94 CIR
48	00749103	2	SPLIT FLG KIT #20
49	02754100	2	ADP HYD ELBOW 20FL-16MJ90
50	00761699	2	O-RING 1-1/16 X 1-1/4 X 3/32
51	00760886	1	MANIFOLD BLOCK HYD. 15F
52	00024100	4	FLATWASHER STD 1/4 PL
53	10074000	4	HHCS 1/4 NC 3 PL5
54	02969678	1	HOSE #16-16FJX -16FJX45- 74LG
55	02988057	1	HOSE #16-16FJX -16FJX - 74LG
56	00751790	1	VALVE RELIEF SET TO 1850 PSI
57	02961940	1	PLUG HEX SKT HD 4MB
58	02995908	2	NUT SPRLCK FLG 3/8-16 PL
59	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
60	63000500	16	WASHER, FLAT, PLATED
61	40010000	16	PIN, COTTER 1/8 X1

BUZZBAR SPINDLE ASSEMBLY

UPPER SEAL INSTALLATION

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

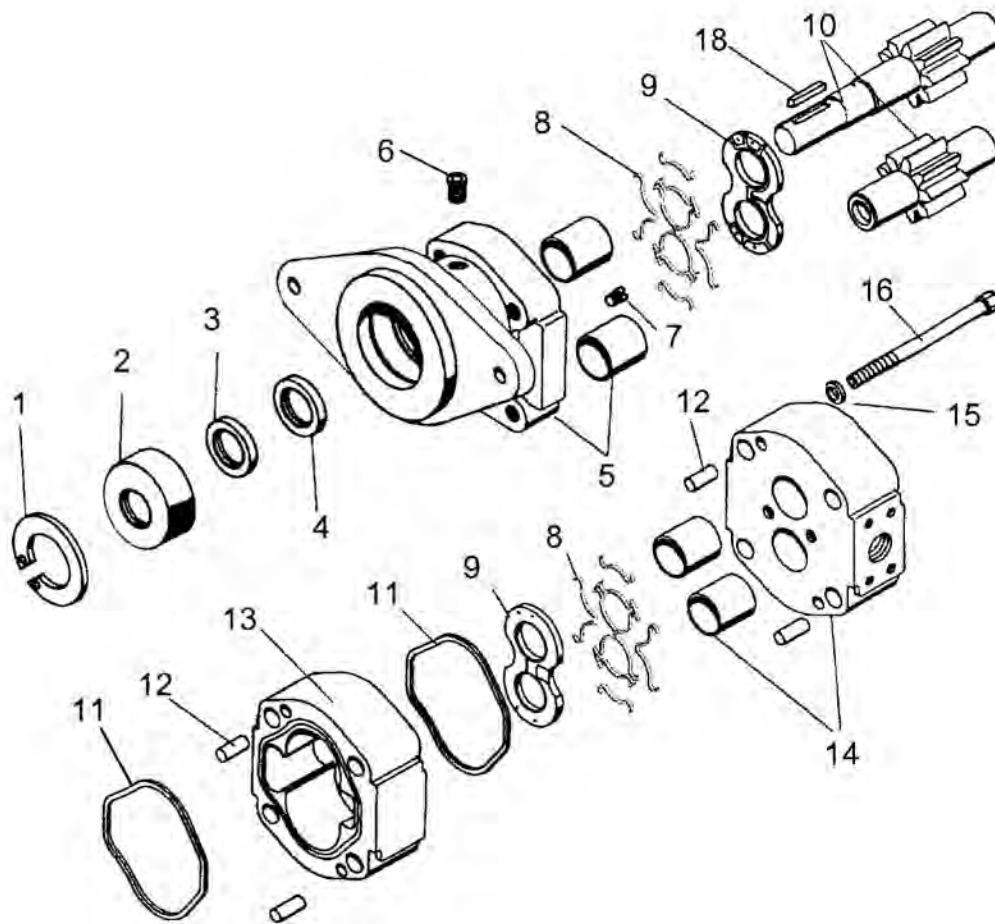


BUZZBAR SPINDLE ASSEMBLY

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

BUZZBAR - HYD MOTOR PARTS - P/N 02975175

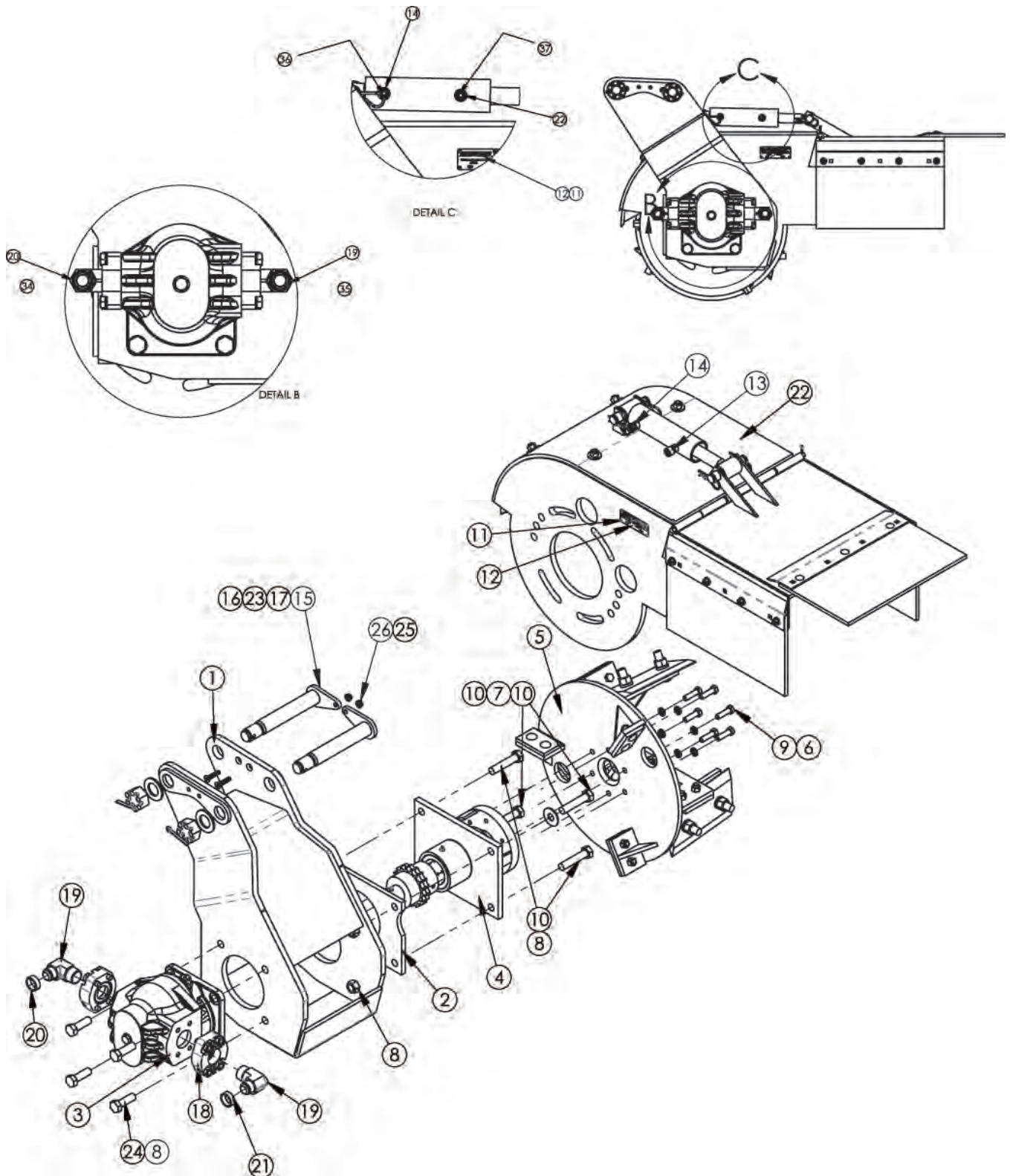


BUZZBAR - HYD MOTOR PARTS - P/N 02975175**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	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		2	
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)

SECTION 40 DITCHERS

DITCHER ASSEMBLY - PN 02988854



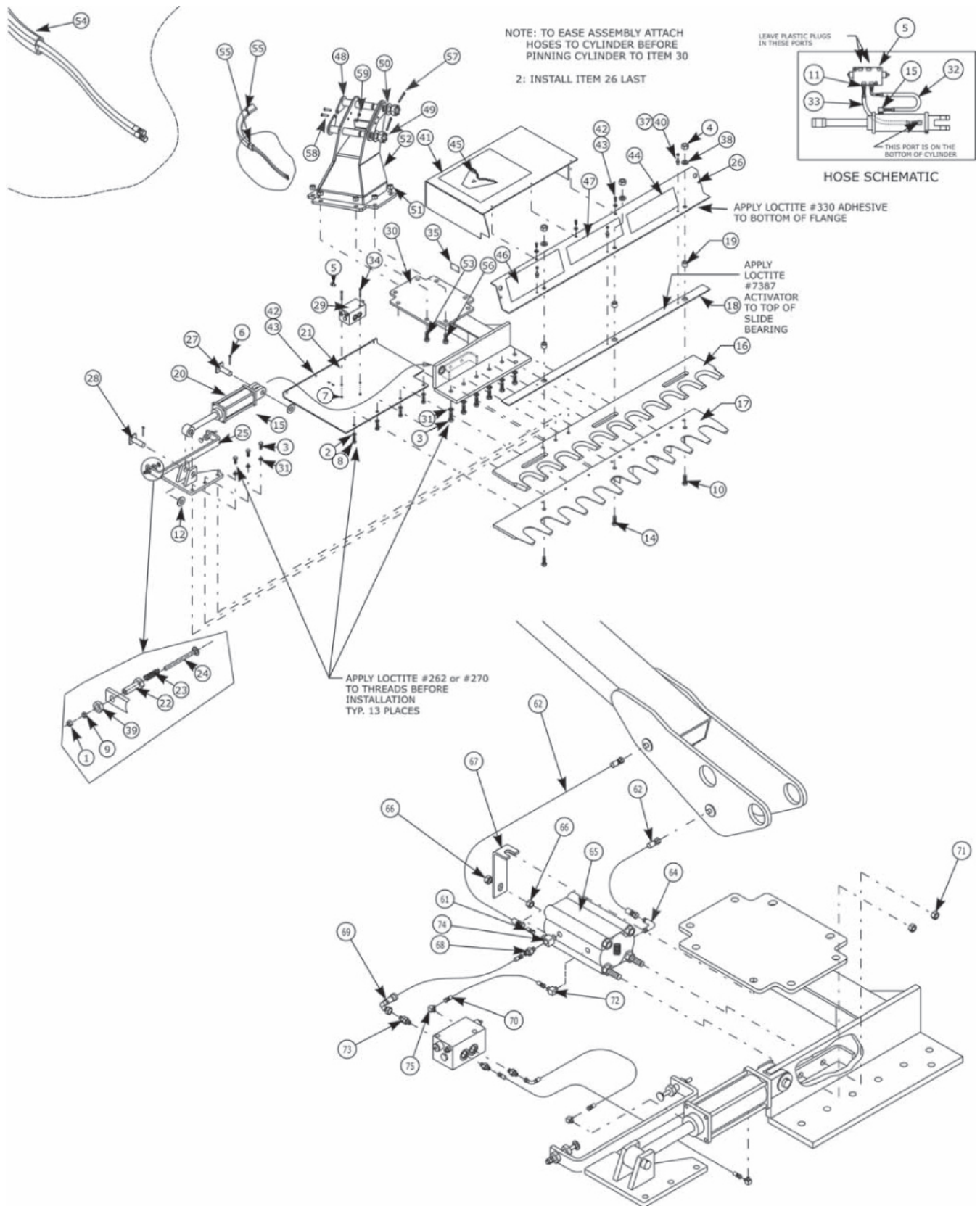
ITEM	PART NO.	QTY.	DESCRIPTION
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DITCHER ASSEMBLY - PN 02988854

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02988855	1	MACH, WLDMT, HITCHPOST
2	02973583	1	PLATE SPACER ON DITCHER
3	02987660	1	MOTOR HYD GEAR 15.5 CUIN/REV
4	02973336	1	ASY SPINDLE
5	02875301	1	BLADE, HEAD ASY. ROUGH CUT
6	00001300	6	WASHER, LOCK 1/2 GR8 - YDP
7	00002701	2	FLATWASHER, 3/4, TYPE AW, ZP
8	00037200	8	NUT, HEX TOPLOCK 3/4 NC GR.C PL
9	02891800	6	HHCS 1/2 NC 1-3/4 PL8
10	02881000	4	HHCS 3/4 NC 3-1/2 PL5
11		4	
12	02990398	1	PLATE, S/N, DITCHER, GEAR GEN2
13	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
14	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
15	02988111	2	WELDMENT, PIN, HTCHPST-10.625LG
16	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
17	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
18	02978111	2	ADP HYD STGHT 32FL -20FP
19	02985441	2	ADP HYD ELBOW 20MP-16MJ90
20	02968896	1	VINYL TAPE BLUE 1/2" WIDE
21	02968894	1	VINYL TAPE RED 1/2" WIDE
22	02873900	1	BLADE, HSG ASY
23	02971701	2	NUT SLOT 1-3/8 12NF PLB
24	02959391	4	HHCS 3/4 NC 2-1/4 PL5
25	02995907	2	FSCS 3/8-16 X 1-3/4 PL8
26	02995908	2	NUT SPRLCK FLG 3/8-16 PL
34	02968827	1	HOSE #16-16FJX -16FJX90- 52LG
35	02968159	1	HOSE #16-16FJX -16FJX90- 52LG
36	02984541	1	HOSE #4-4FJX-4FJX90-80LG
37	02984542	1	HOSE #4-4FJX-4FJX90-88LG

5 AND 7 FT TIMBERCAT ASY (PART 1)



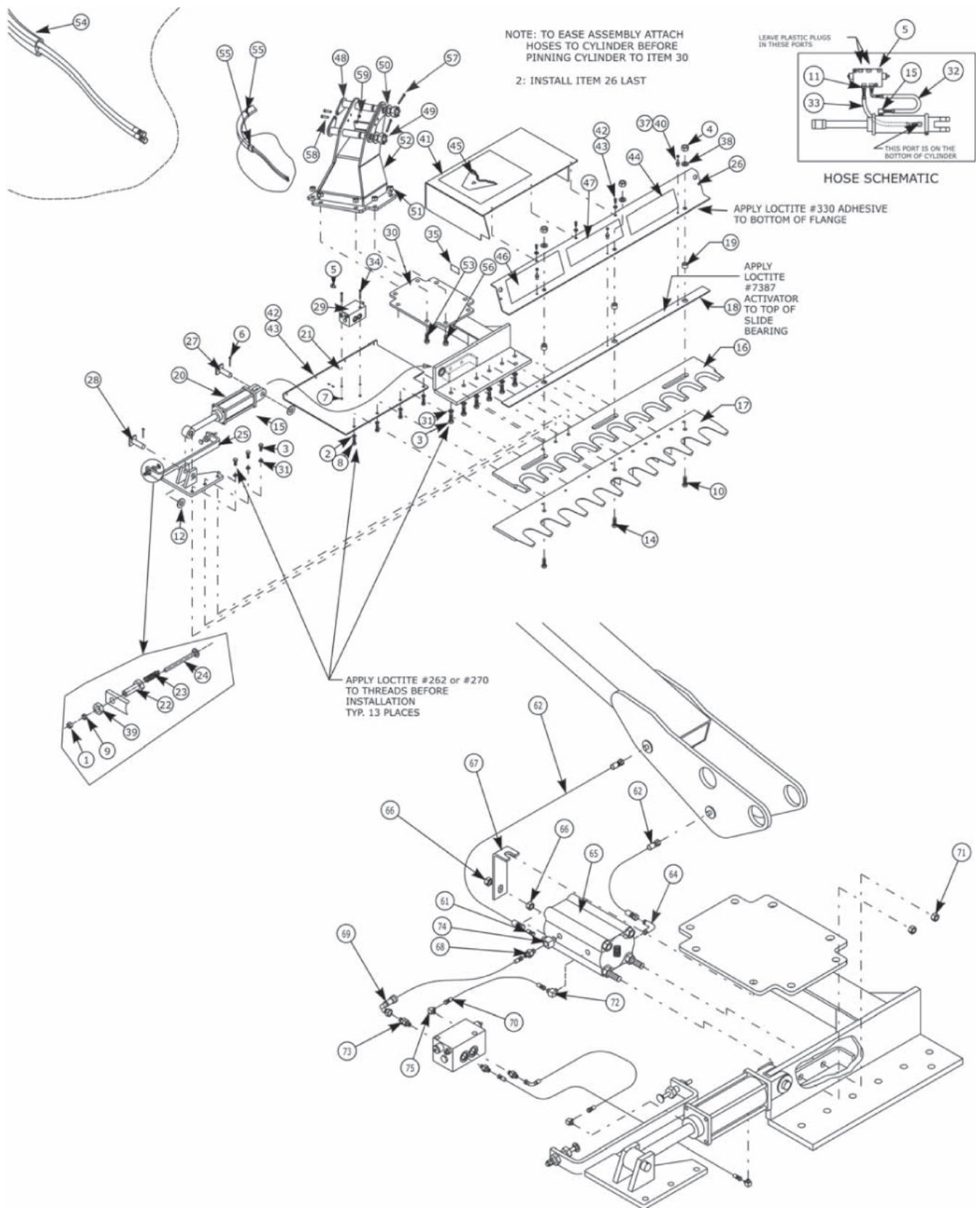
5 AND 7 FT TIMBERCAT ASY (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02988255	1	ASY, TIMBERCAT 5, GEAR, GEN2
	02988256	1	ASY, TIMBERCAT 7, GEAR, GEN2
1	00015800	2	LOCKNUT TLM 3/8-NC PLC
2	00019600	4	LOCKWASHER, 1/2, HVY, PL
3	002520	9	HHCS, 3/4NF X 1-1/2 GR5 PL
4	00037200	3	NUT,HEX TOPLOCK 3/4 NC GR.C PL
5	001582	1	PLUG #6MB
6	00749495	2	PIN-COTTER 1/8 X 2
7	00750940	2	LOCKNUT TLM 5/16 NC PLB
8	00750959	4	HEXB,1/2-13 X 1 PL5
9	00751281	2	NUT JAM 3/8-16 PLA
10	00751581	1	HHCS 3/4 NC 3-1/2 PL8
11	02042300	2	ADP HYD STGHT 10MB-8MJ
12	02822500	2	FLATWASHER 1 PL STD
14	02960521	2	HHCS 3/4 NC 2-3/4 PL8
15	02962213	2	ADP HYD ELBOW 8MB - 8MJ90
16	02971389	1	BLADE TOP 5
	02971391	1	BLADE TOP 7
17	02971390	1	BLADE BOTTOM 5
	02971392	1	BLADE BOTTOM 7
18	02971398	1	BEARING 5 SLIDE
	02971399	1	BEARING 7 SLIDE
19	02973534	3	BUSHING 1.172ODX.765IDX.814LG
20	02971423	1	HYD CYLINDER 3 BORE X 5.88
21	02972256	1	PLATE VALVE MOUNT
22	02972261	2	BOLT ADJUSTING
23	02972262	2	SPRING 2 LG X .600 OD
24	02972352	2	WELDMENT BOLT
25	02972353	1	WLDMT CYLINDER MOUNT ROD END
26	02972363	1	FRONT COVER 5
	02972512	1	FRONT COVER 7
27	02972505	1	WELDMENT PIN
28	02972507	1	WELDMENT PIN
29	02972549	1	VALVE INVERSION W/PUSH BUTTONS
30	02972567	1	WLDMT FRAME TIMBER CAT-MACHETE
31	02972570	9	HIGH ALLOY, L/W 3/4 YZ KG
32	02972799	1	HOSE #8 - 8FJX - 8FJX90- 22LG
33	02972800	1	HOSE #8 - 8FJX - 8FJX -14.75
34	02972807	2	SHCS 5/16NC 2
35	02972856	1	PLATE,S/N TIMBER CAT 5

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5 AND 7 FT TIMBERCAT ASY (PART 2)



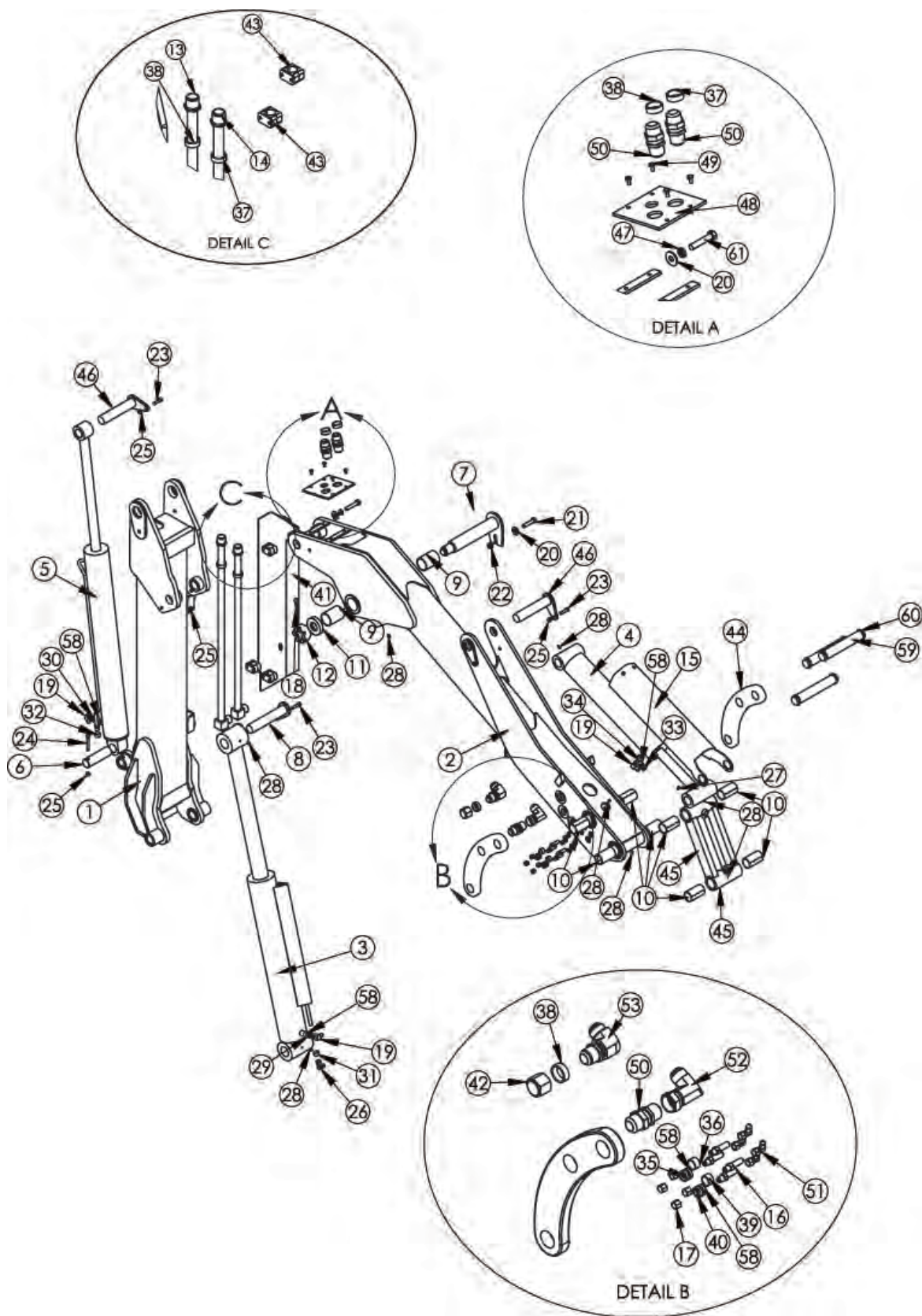
5 AND 7 FT TIMBERCAT ASY (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
37	4720	3	GREASE FITTING 1/8 SELF TAP
38	5312316	3	WASHER,HARDENED 3/4"
39	65010300	2	NUT 3/4 NF HEX PL JAM RH G8
40	000206	3	NO. 2 RED LUBRICAPS<
41	02972355	1	WLDMT COVER
42	00752735	7	SELF TAP 5/16NC 3/4 PL TYPE"F"
43	00023500	7	FLATWASHER 5/16 PL
48	02981757	2	WELDMENT, PIN, HITCH POST
49	02971701	2	NUT SLOT 1-3/8 12NF PLB
50	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
51	00037200	7	NUT,HEX TOPLOCK 3/4 NC GR.C PL
52	02986200	1	WELDMENT, HITCHPOST
53	02959390	1	HHCS 3/4 NC 2-1/4 PL8
54	02961085	1	CORDURA SLEEVING,3.66 ID,54 LG
55	02753400	2	PLASTIC TIE 15 LG UV BLACK
56	02918600	7	HEXB 3/4-10UNC 2 PL8
57	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
58	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
59	00012101	2	LOCKWASHER, 3/8, HVY, PL
61	02961286	1	ADP HYD STGHT 20FJ-16MJ
62	02968875	1	HOSE #16-16FJX-16FJX45-68 B
64	03200298	1	ADP HYD ELBOW 20MB - 16MJ90
65	02972504	1	DIVIDER FLOW GEAR TYPE FD30
66	00013500	2	NUT JAM HEX 5/8 NC PL
67	02972750	1	FB BRACKET
68	02042400	1	ADP HYD STGHT 8MJ-8MP
69	02972797	1	HOSE #8 - 8FJX - 8FJX90- 17LG
70	02972798	1	HOSE #8 - 8FJX - 8FJX -19.50
71	00695100	2	NUT,TOPLOCK 5/8 NC PLC
72	02161400	1	ADP HYD ELBOW 12MB-8MJ90
73	02042300	1	ADP HYD STGHT 10MB-8MJ
74	02972806	1	ADAPTER, SPECIAL
75	02161300	1	ADP HYD ELBOW 8MJ-10MB90

SECTION 50 BOOMS

BOOM ASY - 18 FT BOOM (PART 1) PN 02986861



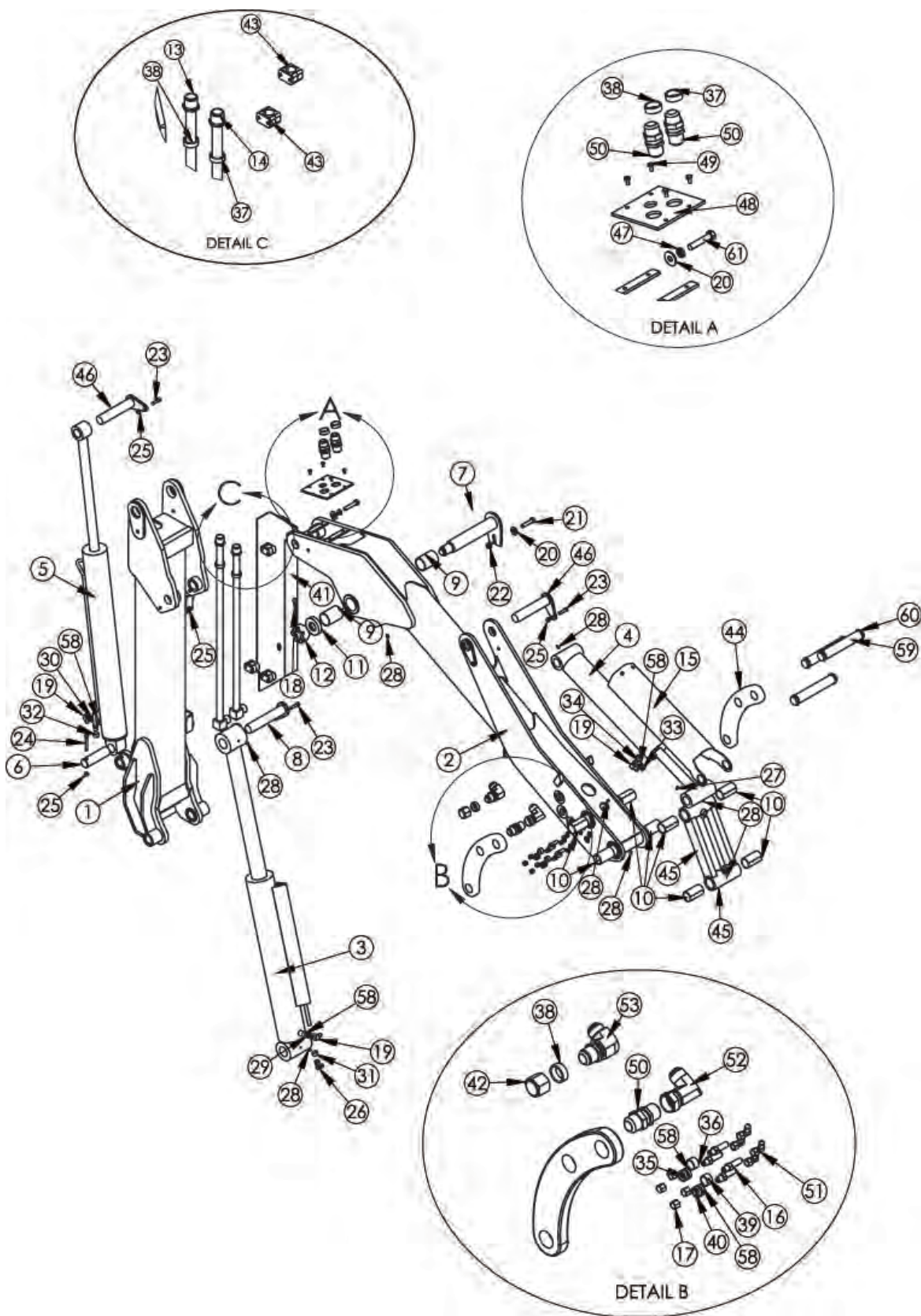
BOOM ASY - 18 FT BOOM (PART 1) PN 02986861

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02986896	1	WELDMNT, LIFT SECTION
2	02983707	1	WLD MNT, DIPPER, 18' GEN2 H.F.
3	02981279	1	CYLINDER, 4.0B X 2.25R X24.63S
4	02984944	1	CYLINDER, 3.5B X 1.75R X16S
5	02983320	1	CYLINDER, 3.5B X 1.5R X 30.0S
6	02971751	1	PIN, 1-1/2 X 5-3/16 CHROME
7	02981294	1	WLD`MT PIN, DIPPER / LIFT, MVB
8	02982981	1	WLD`MT, CYL PIN LONG, AXTREME
9	02981420	2	BUSHING, CONNEX, 2-1/4X2X3
10	02981424	8	BUSHING, CONNEX, 1-3/4X1-1/2X3
11	02981273	1	PIN SPACER, DIPPER
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 STGHT 4MJ-4MJ BLKHD
17	02919600	4	CAP-NUT #4FJ
18	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
19	63149100	3	ADP HYD ELBOW 6MB-6MJ90
20	00002700	3	FLATWASHER 1/2 PL STD
21	02975436	1	HHCS 1/2 NC 2-1/4 PL
22	00001800	1	LOCKNUT TLM 1/2 NC PLC
23	00023100	3	HHCS 3/8 -16UNC 1-1/2 PL5
24	02970595	1	HHCS 3/8 NC 2-3/4 PL8
25	00015800	4	LOCKNUT TLM 3/8-NC PLC
26	001921	1	ADP HYD ELBOW 6MJ - 6FJX 90
27	000941	1	GREASE FITTING,1/4-28X90
28	00752670	8	FITTING,GREASE-STR 1/4-28 UNF
29	02968835	1	VINYL TAPE ORANGE 1/4" WIDE
30	02968831	1	VINYL TAPE BLUE 1/4" WIDE
31	02968834	1	VINYL TAPE ORANGE 1/2" WIDE
32	02968830	1	VINYL TAPE BLUE 1/2" WIDE
33	02968829	1	VINYL TAPE RED 1/4" WIDE
34	02968828	1	VINYL TAPE RED 1/2" WIDE
35	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
36	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
37	02968894	4	VINYL TAPE RED 1/2" WIDE
38	02968896	4	VINYL TAPE BLUE 1/2" WIDE
39	02968832	1	VINYL TAPE GREEN 1/2" WIDE
40	02968833	1	VINYL TAPE GREEN 1/4" WIDE

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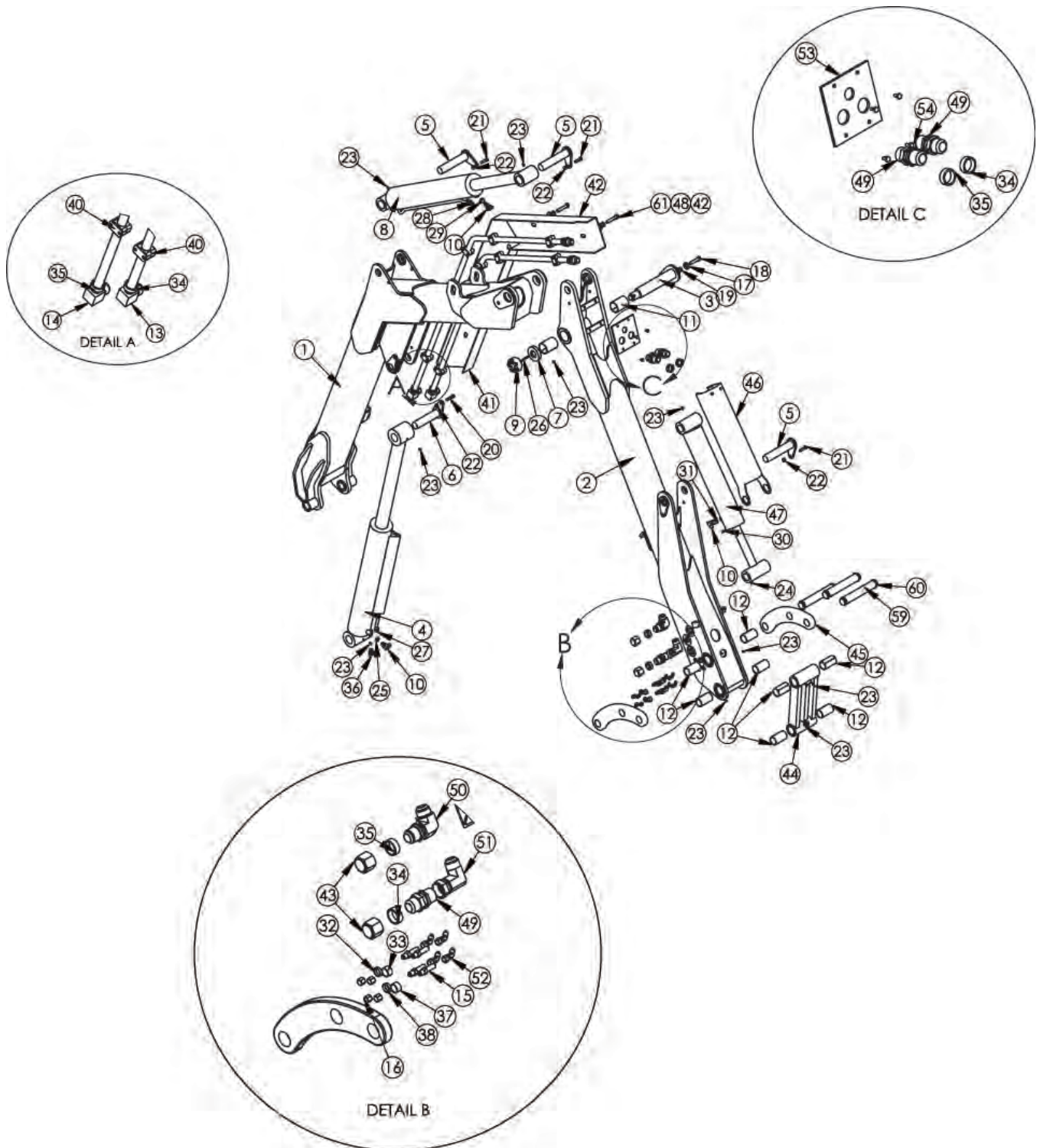
BOOM ASY - 18 FT BOOM (PART 2) PN 02986861



BOOM ASY - 18 FT BOOM (PART 2) PN 02986861**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02984821	1	COVER, LIFT TUBE COVER
42	02956918	2	CAP, HYD #16FJIC
43	03200375	4	CLAMP
44	02994231	2	PLATE, LINKAGE
45	02986074	1	WELDMENT, LINKAGE
46	02982979	2	WLD`MT, CYL PIN, AXTRME
47	00019600	2	LOCKWASHER, 1/2, HVY, PL
48	02985978	1	PLATE, BULKHEAD
49	00002100	4	HHCS 1/4 NC 1/2 PL
50	00751846	3	ADP HYD STGHT 16MJ-16MJ BLKHD
51	02976532	4	ADP HYD ELBOW 4MJ - 4FJX 45DEG
52	02956851	1	ADP HYD ELBOW 16MJ -16FJX 90
53	02742500	1	ADP HYD ELBOW 16MJ-16MJ90 BKHD
58	02991555	5	VINYL TAPE WHITE 1/4" WIDE
59	02994104	3	PIN, DBL SNAP RING, TILT LINK
60	02994201	6	SNAP RING, EXT HD, 1-1/2 PIN
61	02788400	2	HEXB 1/2 NC 2-1/2PL5

BOOM ASY - 22 FT BOOM (PART 1) PN 02986401

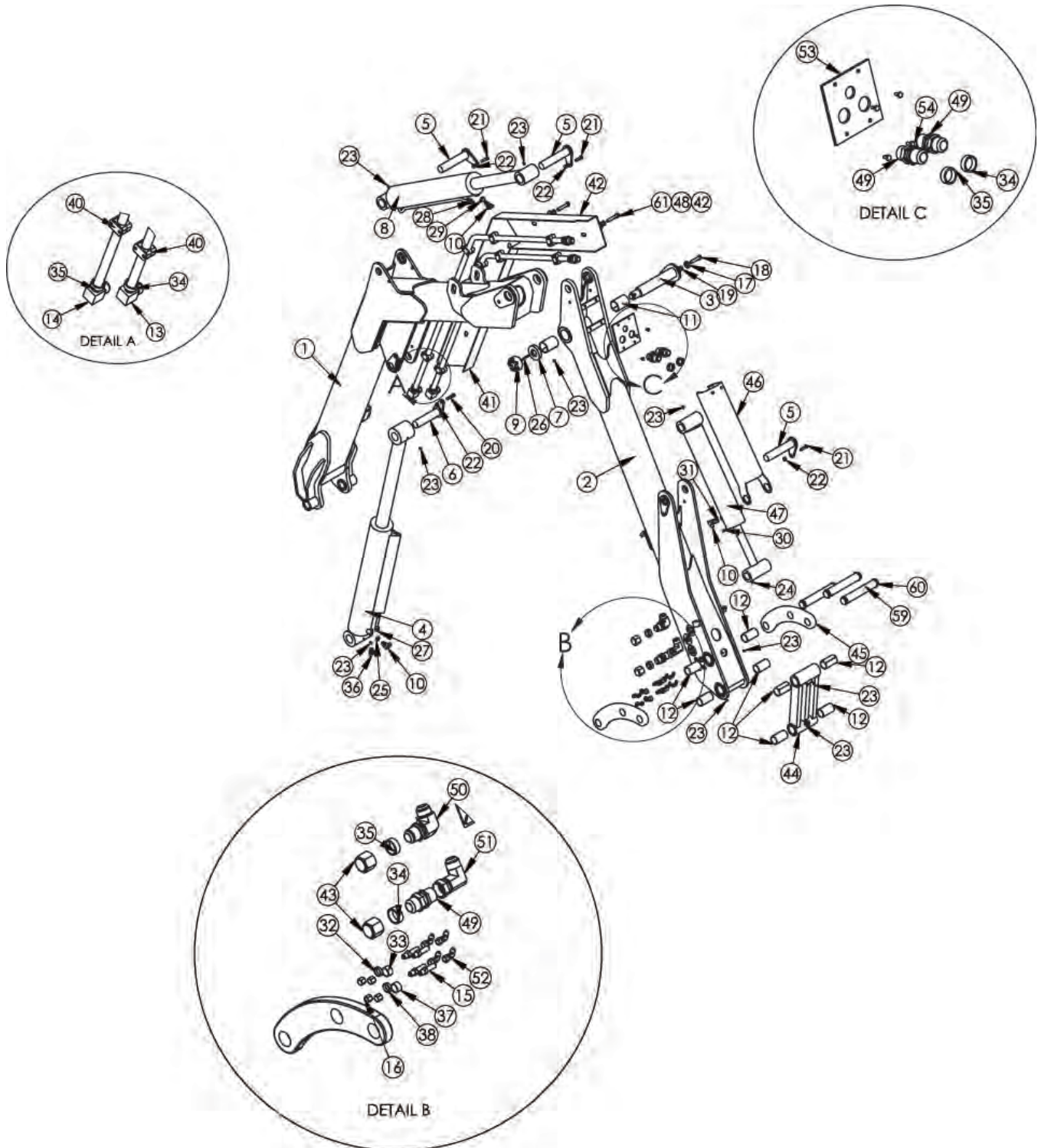


ITEM	PART NO.	QTY.	DESCRIPTION
1	02986897	1	WLDMT LIFT SECTION,
2	02985124	1	WLDMNT, DIPPER, 22' GEN2

BOOM ASY - 22 FT BOOM (PART 1) PN 02986401**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
3	02981294	1	WLD`MT PIN, DIPPER / LIFT, MVB
4	02981279	1	CYLINDER, 4.0B X 2.25R X24.63S
5	02982979	3	WLD`MT, CYL PIN, AXTREME
6	02982980	1	WLD`MT, CYL PIN SHORT, AXTREME
7	02981273	1	PIN SPACER, DIPPER
8	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
9	02981702	1	SLOTTED NUT, 1-1/2 NF
10	63149100	3	ADP HYD ELBOW 6MB-6MJ90
11	02981420	2	BUSHING, CONNEX, 2-1/4X2X3
12	02981424	8	BUSHING, CONNEX, 1-3/4X1-1/2X3
13	02984853	1	HYDRAULIC TUBE, #16
14	02984855	1	HYDRAULIC TUBE, #16
15	02965448	4	ADP HYD STGHT 4MJ-4MJ BLKHD
16	02919600	4	CAP-NUT #4FJ
17	00002700	5	FLATWASHER 1/2 PL STD
18	02975436	1	HHCS 1/2 NC 2-1/4 PL
19	00001800	1	LOCKNUT TLM 1/2 NC PLC
20	02957042	1	HHCS 3/8 NC 1-3/4 PL8
21	00023100	3	HHCS 3/8 -16UNC 1-1/2 PL5
22	00015800	4	LOCKNUT TLM 3/8-NC PLC
23	00752670	10	FITTING,GREASE-STR 1/4-28 UNF
24	000941	1	GREASE FITTING,1/4-28X90
25	02968835	1	VINYL TAPE ORANGE 1/4" WIDE
26	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
27	02968834	1	VINYL TAPE ORANGE 1/2" WIDE
28	02968831	1	VINYL TAPE BLUE 1/4" WIDE
29	02968830	1	VINYL TAPE BLUE 1/2" WIDE
30	02968829	1	VINYL TAPE RED 1/4" WIDE
31	02968828	1	VINYL TAPE RED 1/2" WIDE
32	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
33	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
34	02968894	4	VINYL TAPE RED 1/2" WIDE
35	02968896	4	VINYL TAPE BLUE 1/2" WIDE
36	001921	1	ADP HYD ELBOW 6MJ - 6FJX 90
37	02968832	1	VINYL TAPE GREEN 1/2" WIDE
38	02968833	1	VINYL TAPE GREEN 1/4" WIDE
40	03200375	8	CLAMP
41	02984856	1	COVER, TUBE LIFT 22

BOOM ASY - 22 FT BOOM (PART 2) PN 02986401

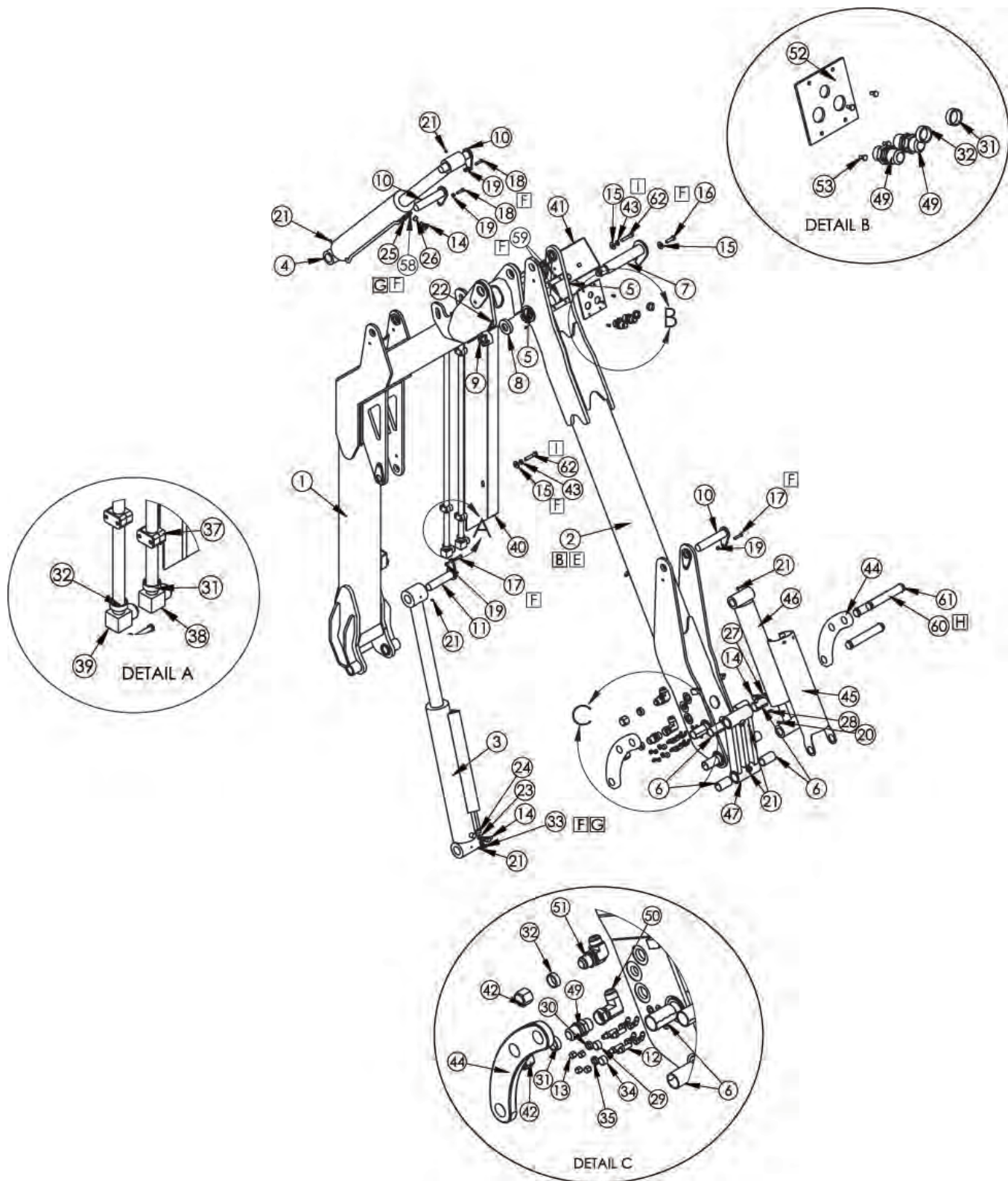


ITEM	PART NO.	QTY.	DESCRIPTION
42	02984857	1	COVER, TUBE LIFT 22
43	02956918	2	CAP,HYD #16FJIC

BOOM ASY - 22 FT BOOM (PART 2) PN 02986401**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
44	02986074	1	WELDMENT, LINKAGE
45	02994231	2	PLATE, LINKAGE
46	02985273	1	ASSEMBLY, TILT CYLINDER COVER
47	02984944	1	CYLINDER, 3.5B X 1.75R X16S
48	00019600	4	LOCKWASHER, 1/2, HVY, PL
49	00751846	3	ADP HYD STGHT 16MJ-16MJ BLKHD
50	02742500	1	ADP HYD ELBOW 16MJ-16MJ90 BKHD
51	02956851	4	ADP HYD ELBOW 16MJ -16FJX 90
52	02976532	1	ADP HYD ELBOW 4MJ - 4FJX 45DEG
53	02985978	4	PLATE, BULKHEAD
54	00002100	3	HHCS 1/4 NC 1/2 PL
59	02994104	6	PIN, DBL SNAP RING, TILT LINK
60	02994201	4	SNAP RING, EXT HD, 1-1/2 PIN
61	02788400	1	HEXB 1/2 NC 2-1/2PL5

BOOM ASY - 25 FT BOOM (PART 1) PN 02986863



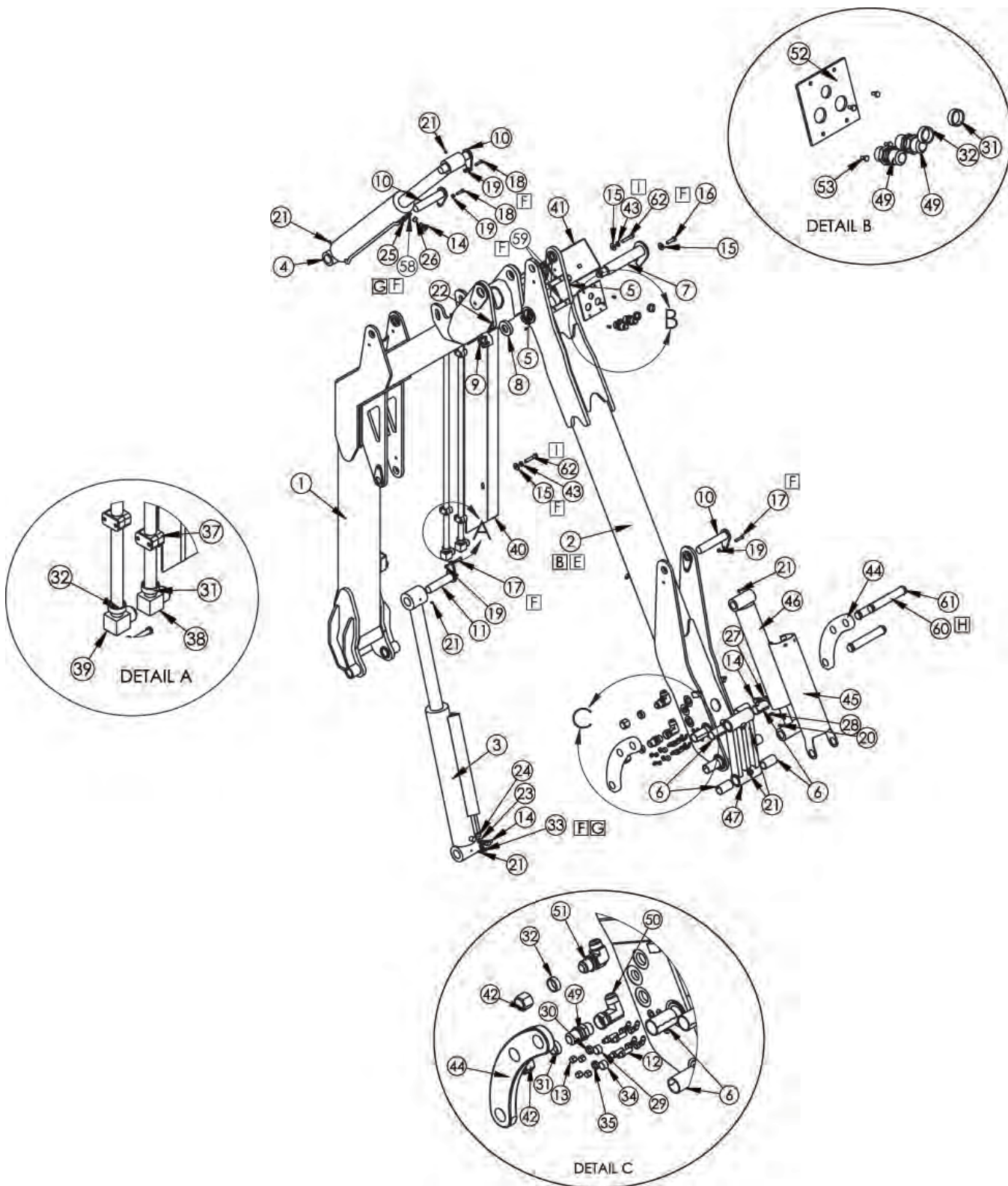
ITEM	PART NO.	QTY.	DESCRIPTION
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BOOM ASY - 25 FT BOOM (PART 1) PN 02986863**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	02986898	1	WLDMT LIFT SECTION,
2	02989719	1	WLDMT, DIPPER, 25' HF, GEN2
3	02981279	1	CYLINDER, 4.0B X 2.25R X24.63S
4	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
5	02981420	2	BUSHING, CONNEX, 2-1/4X2X3
6	02981424	8	BUSHING, CONNEX, 1-3/4X1-1/2X3
7	02981294	1	WLD`MT PIN, DIPPER / LIFT, MVB
8	02981273	1	PIN SPACER, DIPPER
9	02981702	1	SLOTTED NUT, 1-1/2 NF
10	02982979	3	WLD`MT, CYL PIN, AXTREME
11	02982980	1	WLD`MT, CYL PIN SHORT, AXTREME
12	02965448	4	ADP HYD STGHT 4MJ-4MJ BLKHD
13	02919600	4	CAP-NUT #4FJ
14	63149100	3	ADP HYD ELBOW 6MB-6MJ90
15	00002700	5	FLATWASHER 1/2 PL STD
16	02891800	1	HHCS 1/2 NC 1-3/4 PL8
17	02957042	2	HHCS 3/8 NC 1-3/4 PL8
18	00023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
19	00015800	4	LOCKNUT TLM 3/8-NC PLC
20	000941	1	GREASE FITTING,1/4-28X90
21	00752670	10	FITTING,GREASE-STR 1/4-28 UNF
22	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
23	02968835	1	VINYL TAPE ORANGE 1/4" WIDE
24	02968834	1	VINYL TAPE ORANGE 1/2" WIDE
25	02968831	1	VINYL TAPE BLUE 1/4" WIDE
26	02968830	1	VINYL TAPE BLUE 1/2" WIDE
27	02968828	1	VINYL TAPE RED 1/2" WIDE
28	02968829	1	VINYL TAPE RED 1/4" WIDE
29	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
30	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
31	02968894	4	VINYL TAPE RED 1/2" WIDE
32	02968896	4	VINYL TAPE BLUE 1/2" WIDE
33	001921	1	ADP HYD ELBOW 6MJ - 6FJX 90
34	02968832	1	VINYL TAPE GREEN 1/2" WIDE
35	02968833	1	VINYL TAPE GREEN 1/4" WIDE
36	D623	6	DECAL, WARNING, PINCH POINTS
37	03200375	8	CLAMP
38	02984890	1	HYDRAULIC TUBE, #16
39	02984892	1	HYDRAULIC TUBE, #16
40	02984893	1	COVER, TUBE LIFT 25

02986950P - Samurai HF (12-08)_03-21

BOOM ASY - 25 FT BOOM (PART 2) PN 02986863

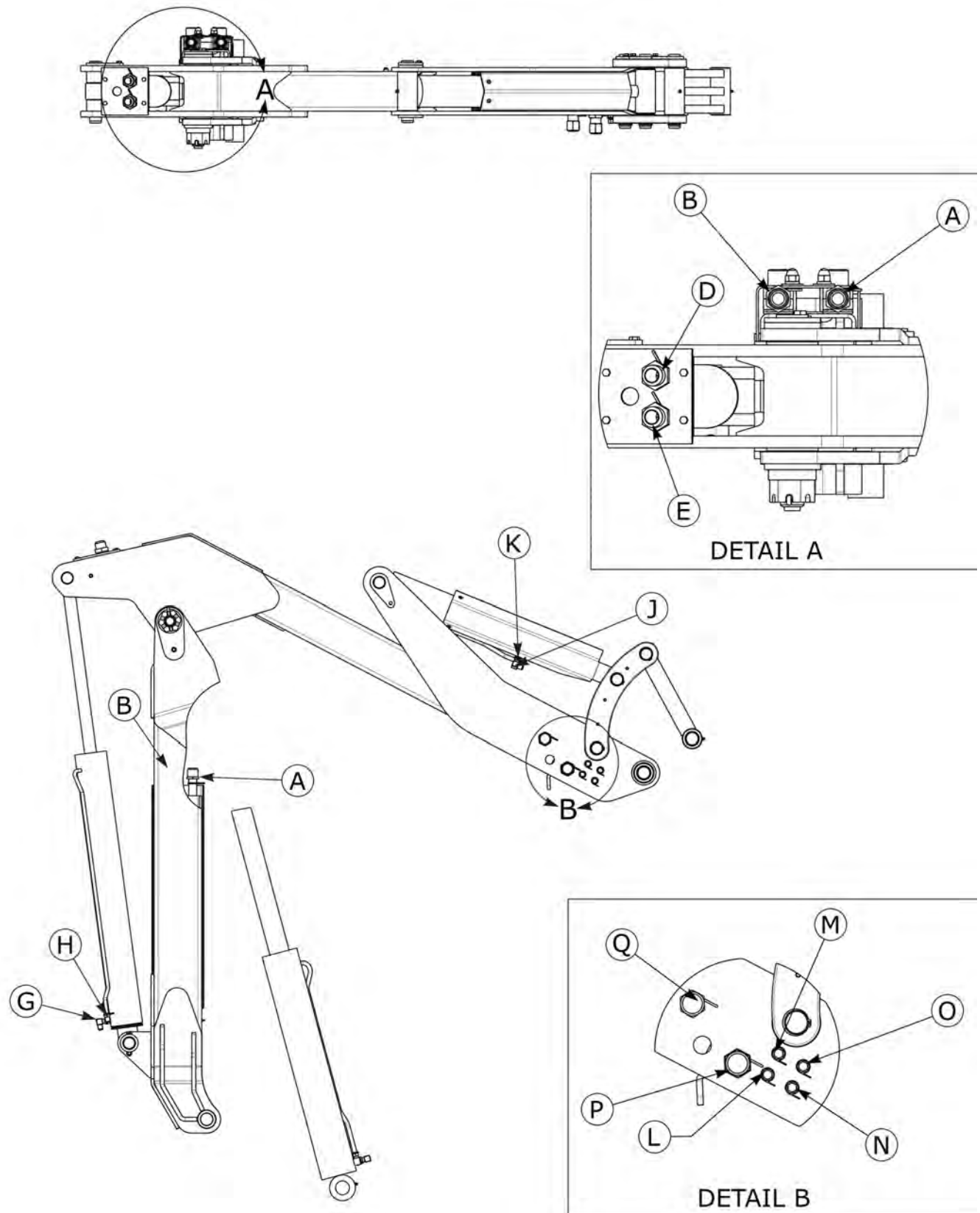


ITEM	PART NO.	QTY.	DESCRIPTION
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BOOM ASY - 25 FT BOOM (PART 2) PN 02986863**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02984894	1	COVER, TUBE LIFT 25
42	02956918	2	CAP, HYD #16FJIC
43	00019600	4	LOCKWASHER, 1/2, HVY, PL
44	02994231	2	PLATE, LINKAGE
45	02985273	1	ASSEMBLY, TILT CYLINDER COVER
46	02984944	1	CYLINDER, 3.5B X 1.75R X16S
47	02986074	1	WELDMENT, LINKAGE
48	02976532	4	ADP HYD ELBOW 4MJ - 4FJX 45DEG
49	00751846	3	ADP HYD STGHT 16MJ-16MJ BLKHD
50	02956851	1	ADP HYD ELBOW 16MJ -16FJX 90
51	02742500	1	ADP HYD ELBOW 16MJ-16MJ90 BKHD
52	02985978	1	PLATE, BULKHEAD
53	00002100	4	HHCS 1/4 NC 1/2 PL
58	02976531	1	ADP HYD ELBOW 6MJ - 6FJX 45DEG
59	02959924	4	NUT, LOCK TLM 1/4-20 NC PLB
60	02994104	3	PIN, DBL SNAP RING, TILT LINK
61	02994201	6	SNAP RING, EXT HD, 1-1/2 PIN
62	02788400	4	HEXB 1/2 NC 2-1/2PL5

HOSE ROUTING - 18 FT BOOM

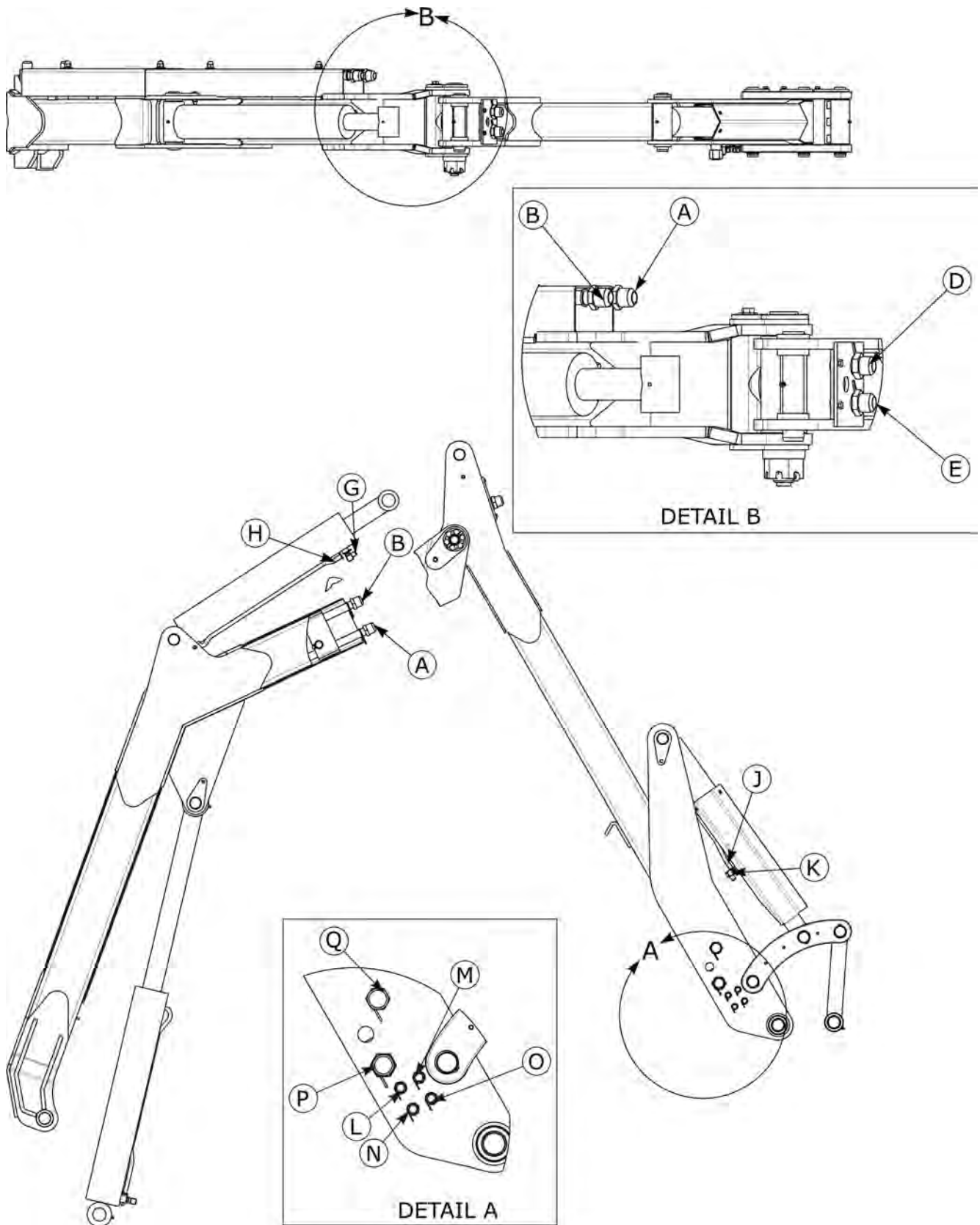


HOSE ROUTING - 18 FT BOOM NOTES

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 YELLOW (LIFT)	N/A	02983196
02983193	DOOR Y/W (LIFT)	N/A	02983197
02983505	SWIVEL GREEN (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 YELLOW (DIPPER)	02983192	M
02983197	DOOR Y/W (DIPPER)	02983193	L
02983501	SWIVEL GREEN (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	02983346	1	HOSE #6-6FJX-6MJ-61LG
2	02983347	1	HOSE #6-6FJX-6MJ-61LG
3	02983348	1	HOSE #4-4FJX-4MJ-61LG
4	02983349	1	HOSE #4-4FJX-4MJ-61LG
5	02983531	1	HOSE #4-4FJX-4MJ-61LG
6	02983532	1	HOSE #4-4FJX-4MJ-61LG
7	02983350	1	HOSE #6-6FJX-6MJ-124LG
8	02983351	1	HOSE #6-6FJX-6MJ-124LG
9	02983352	1	HOSE #4-4FJX-4MJ-116LG
10	02983353	1	HOSE #4-4FJX-4MJ-116LG
11	02983533	1	HOSE #4-4FJX-4MJ-116LG
12	02983534	1	HOSE #4-4FJX-4MJ-116LG
13	02984267	1	HOSE #6-6FJX-6MJ-36LG
14	02984268	1	HOSE #6-6FJX-6MJ-36LG
15	02984833	1	HOSE #16-16FJX-16FJX45-54LG
16	02984834	1	HOSE #16-16FJX-16FJX45-58-1/2
17	02986007	1	HOSE #16-16FJX-16FJX90-62-1/2
18	02986008	1	HOSE #16-16FJX-16FJX90-58-3/4
19	02961085	1	CORDURA SLEEVING-54 LG
20	02982334	1	CORDURA SLEEVE, 2.54ID, 10LG
21	02983079	1	SLEEVE 66" CORDURA 2.54 ID

HOSE ROUTING - 22 FT BOOM

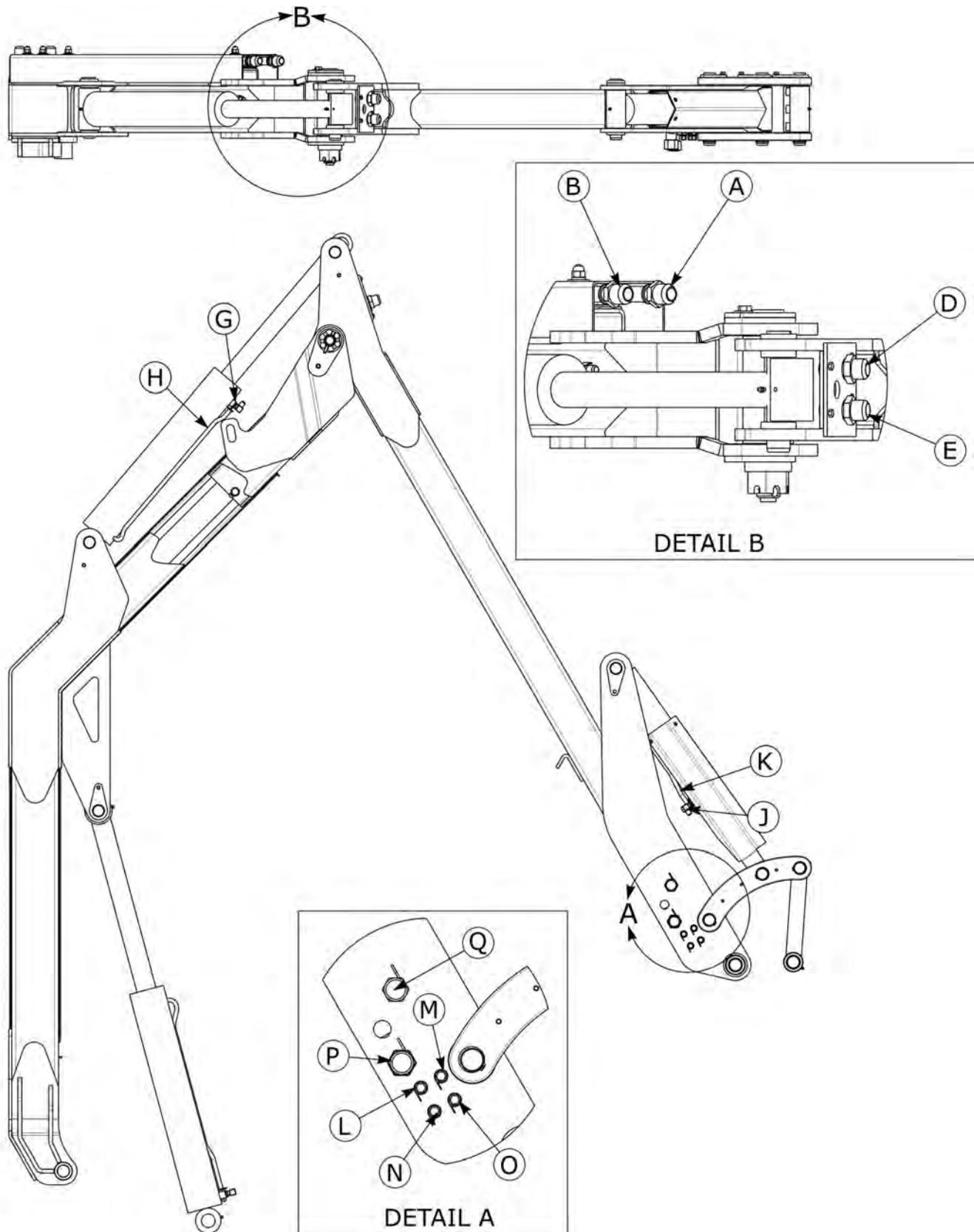


HOSE ROUTING - 22 FT BOOM NOTES

Hose Part Number	Description	Connection 1	Connection 2
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 YELLOW (LIFT)	N/A	02983196
02983193	DOOR Y/W (LIFT)	N/A	02983197
02983505	SWIVEL GREEN (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 YELLOW (DIPPER)	02983192	M
02983197	DOOR Y/W (DIPPER)	02983193	L
02983501	SWIVEL GREEN (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 #6-6FJX-6MJ-126LG
2	02983189	1	HOSE #6-6FJX-6MJ-126LG
3	02983190	1	HOSE #6-6FJX-6MJ-102LG
4	02983191	1	HOSE #6-6FJX-6MJ-102LG
5	02983192	1	HOSE #4-4FJX-4MJ-102LG
6	02983193	1	HOSE #4-4FJX-4MJ-102LG
7	02983505	1	HOSE #4-4FJX-4MJ-102LG
8	02983506	1	HOSE #4-4FJX-4MJ-102LG
9	02983194	1	HOSE #6-6FJX-6MJ-158LG
10	02983195	1	HOSE #6-6FJX-6MJ-158LG
11	02983196	1	HOSE #4-4FJX-4MJ-158LG
12	02983197	1	HOSE #4-4FJX-4MJ-158LG
13	02983501	1	HOSE #4-4FJX-4MJ-158LG
14	02983502	1	HOSE #4-4FJX-4MJ-158LG
15	02986107	1	HOSE #16-16FJX-16FJX-62LG
16	02986108	1	HOSE #16-16FJX-16FJX-62LG
17	02986001	1	HOSE #16-16FJX-16FJX90-88
18	02986002	1	HOSE #16-16FJX-16FJX90-83-5/8
19	02961085	1	CORDURA SLEEVING-54 LG
20	02982334	1	CORDURA SLEEVE, 2.54ID, 10LG
21	02983079	1	SLEEVE 66" CORDURA 2.54 ID

HOSE ROUTING - 25 FT BOOM

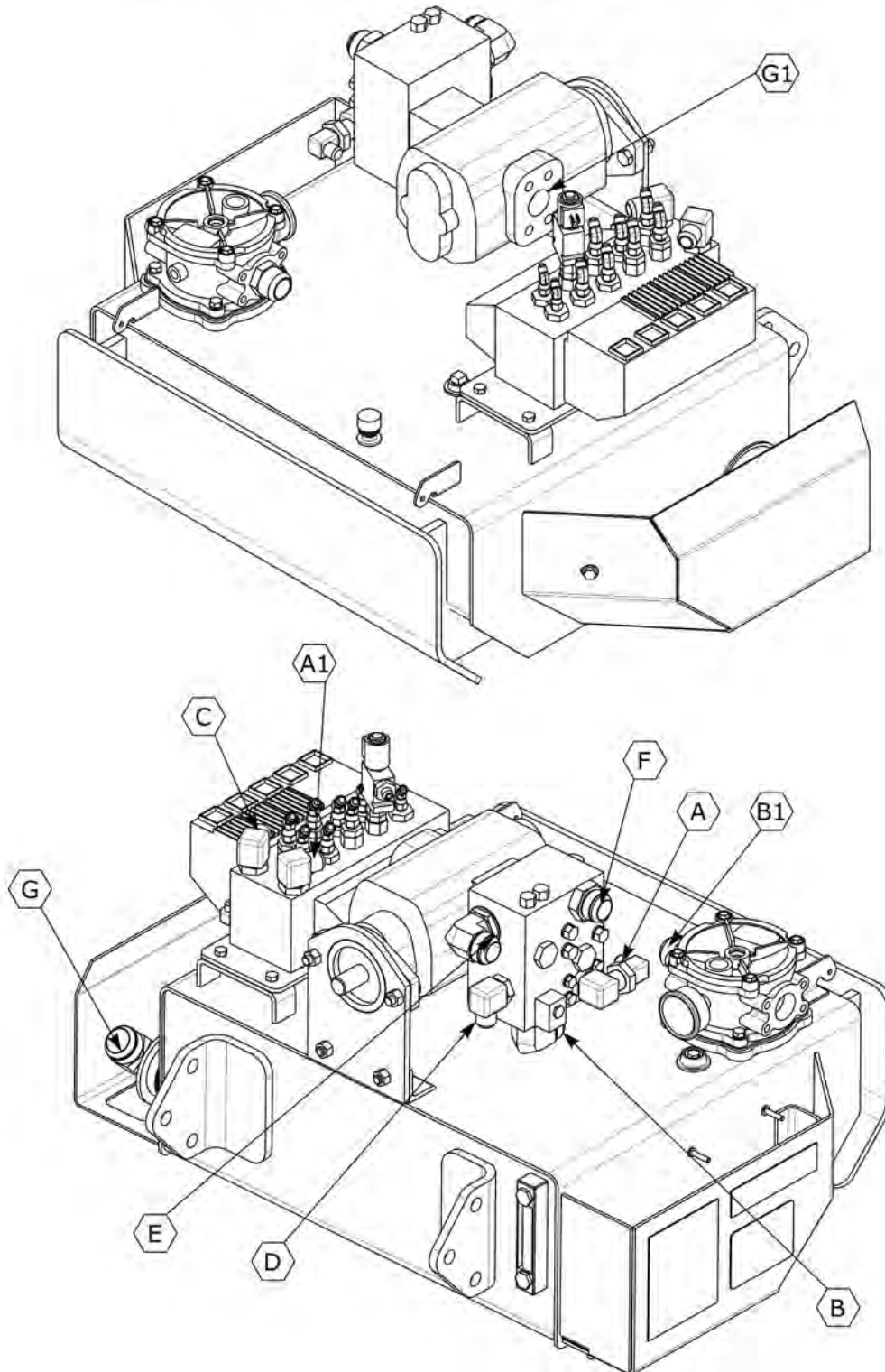


HOSE ROUTING - 25 FT BOOM NOTES

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 YELLOW (LIFT)	N/A	02983196
02983193	DOOR Y/W (LIFT)	N/A	02983197
02983505	SWIVEL GREEN (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 YELLOW (DIPPER)	02983192	M
02983197	DOOR Y/W (DIPPER)	02983193	L
02983501	SWIVEL GREEN (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 #6-6FJX-6MJ-126LG
2	02983189	1	HOSE #6-6FJX-6MJ-126LG
3	02983190	1	HOSE #6-6FJX-6MJ-102LG
4	02983191	1	HOSE #6-6FJX-6MJ-102LG
5	02983192	1	HOSE #4-4FJX-4MJ-102LG
6	02983193	1	HOSE #4-4FJX-4MJ-102LG
7	02983505	1	HOSE #4-4FJX-4MJ-102LG
8	02983506	1	HOSE #4-4FJX-4MJ-102LG
9	02983194	1	HOSE #6-6FJX-6MJ-158LG
11	02983196	1	HOSE #4-4FJX-4MJ-158LG
12	02983197	1	HOSE #4-4FJX-4MJ-158LG
13	02983501	1	HOSE #4-4FJX-4MJ-158LG
14	02983502	1	HOSE #4-4FJX-4MJ-158LG
15	02986107	1	HOSE #16-16FJX-16FJX-62LG
16	02986108	1	HOSE #16-16FJX-16FJX-62LG
17	02986001	1	HOSE #16-16FJX-16FJX90-88
18	02986002	1	HOSE #16-16FJX-16FJX90-83-5/8
19	02961085	1	CORDURA SLEEVING-54 LG
20	02982334	1	CORDURA SLEEVE, 2.54ID, 10LG
21	02983079	1	SLEEVE 66" CORDURA 2.54 ID

See Hose Routing Notes



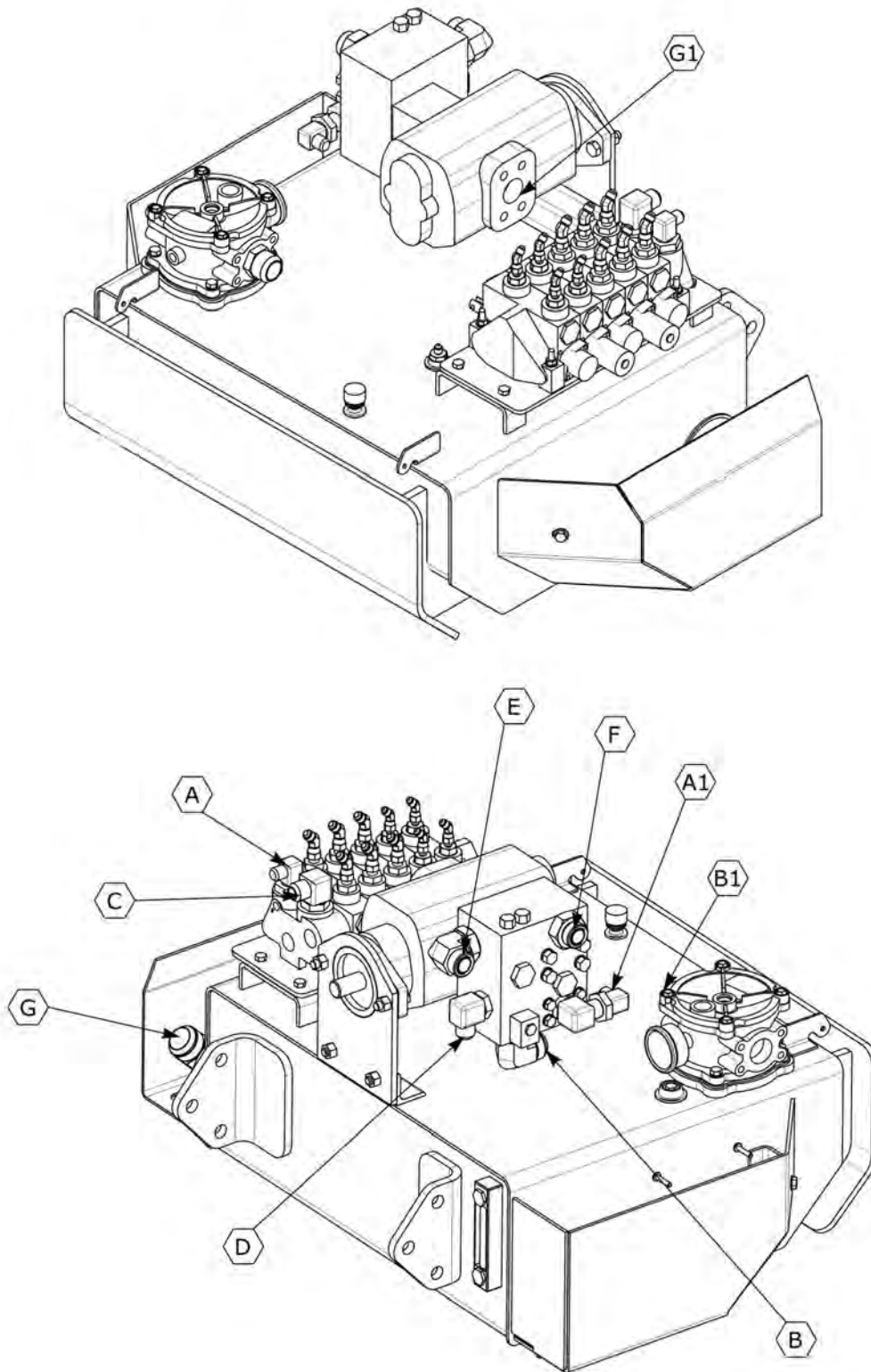
HOSE CONNECTION DIAGRAM

*NOTE HOSES MAY BE SUPPLIED IN COMMON BOX OR IN COMPONENT BOX OF MOUNT KIT. THEY MAY NOT BE SUPPLIED WITH TANK ASSEMBLY.

A TO A1	02906100	PUMP TO VALVE PRESSURE
B TO B1	02975386	RETURN TO TANK
C	02983212	VALVE RETURN TO OIL COOLER
D	02983214	OIL COOLER TO MANIFOLD
E	REF	RETURN FROM MOTOR (ORANGE)
F	REF	PRESSURE TO MOTOR (RED)
G1	REF	PUMP SUCTION TO TANK

ITEM	PART NO.	QTY.	DESCRIPTION
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02975386	1	HOSE #20-20FJX -20FJX - 31LG
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983214	1	HOSE #12-12FJX-12FJX-16LG

See Hose Routing Notes



HOSE CONNECTION DIAGRAM

*NOTE HOSES MAY BE SUPPLIED IN COMMON BOX OR IN COMPONENT BOX OF MOUNT KIT. THEY MAY NOT BE SUPPLIED WITH TANK ASSEMBLY.

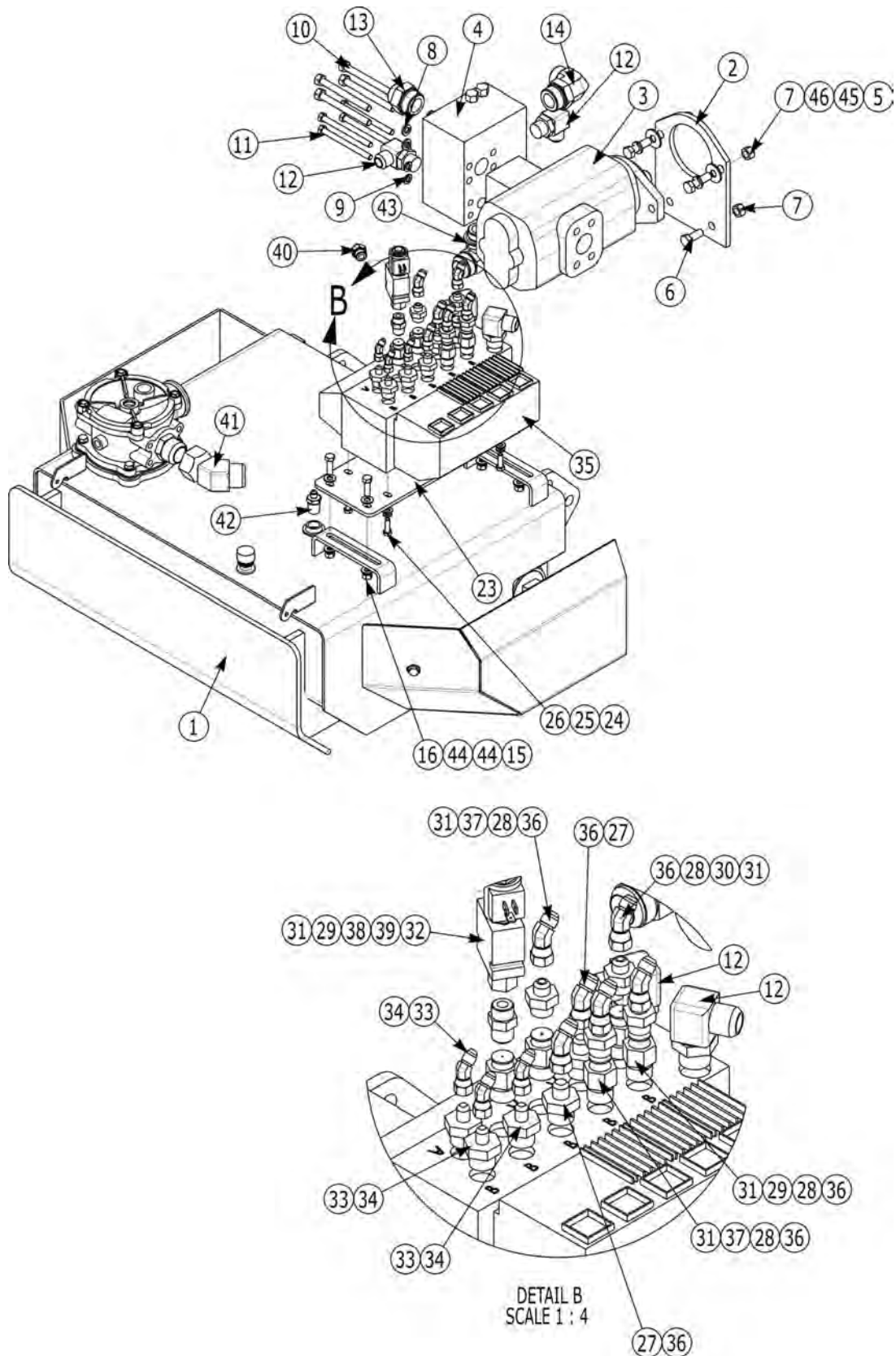
A TO A1	02906100	PUMP TO VALVE PRESSURE
B TO B1	02983485	RETURN TO TANK
C	02983212	VALVE RETURN TO OIL COOLER
D	02983214	OIL COOLER TO MANIFOLD
E	REF	RETURN FROM MOTOR (ORANGE)
F	REF	PRESSURE TO MOTOR (RED)
G TO G1	REF	PUMP SUCTION TO TANK

ITEM	PART NO.	QTY.	DESCRIPTION
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02983485	1	HOSE #20-20FJX -20FJX90-16LG
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983214	1	HOSE #12-12FJX-12FJX-16LG

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SECTION 60 HYDRAULICS

HYDRAULIC TANK W/PUMP AND VALVE ASY - ELECTRO



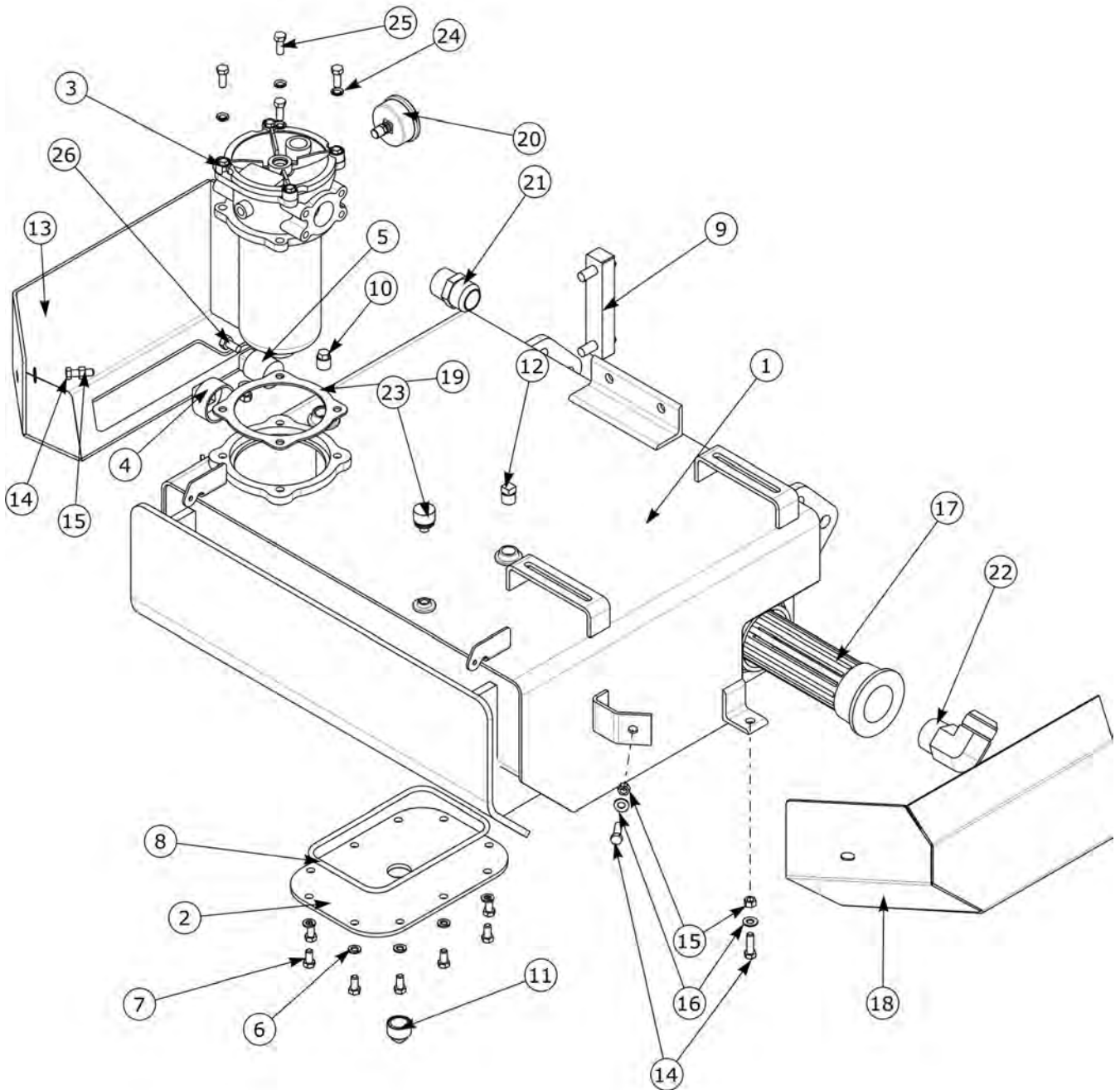
HYDRAULIC TANK W/PUMP AND VALVE ASY - ELECTRO

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987521	1	ASY, TANK, ELECVALVE, SAMURAI
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02985600	1	FRT PUMP ASY - TANDEM
4	02983736	1	CUTTER BLOCK, AXXTREME 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 PLC
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	2	ORIFICE, .055 RESTRICTOR
30	02969399	1	ORIFICE, .040 RESTRICTOR
31	02972113	5	ADP, HYD 10MB - 8FB
32	02972208A	1	ASY, VALVE SOLENOID
33	02976532	3	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

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HYDRAULIC TANK SUB-ASY - ELECTRO/MANUAL

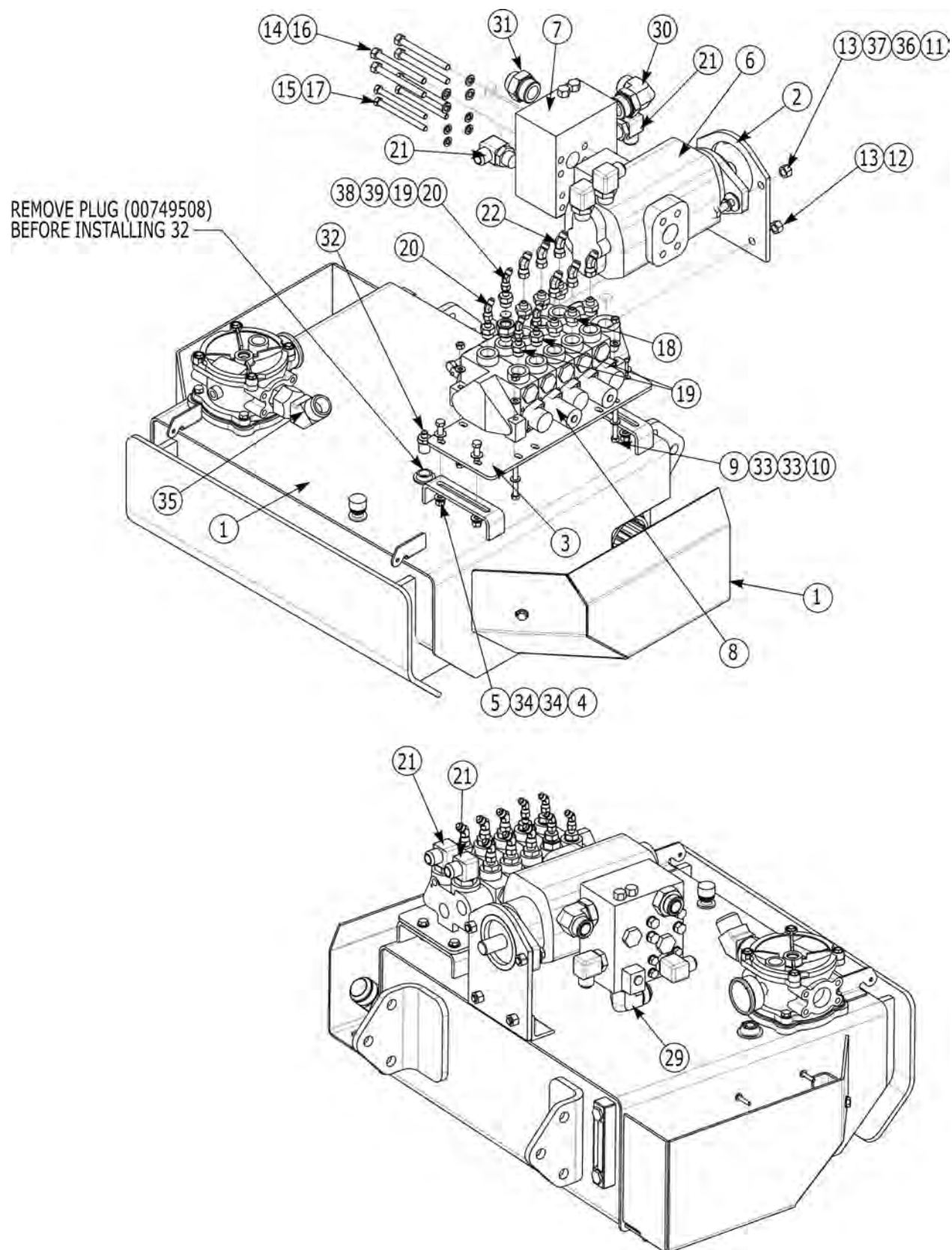


HYDRAULIC TANK SUB-ASY - ELECTRO/MANUAL

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02982882	1	SUB-ASY HYDRAULIC TANK
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

HYDRAULIC TANK W/PUMP AND VALVE ASY - MANUAL

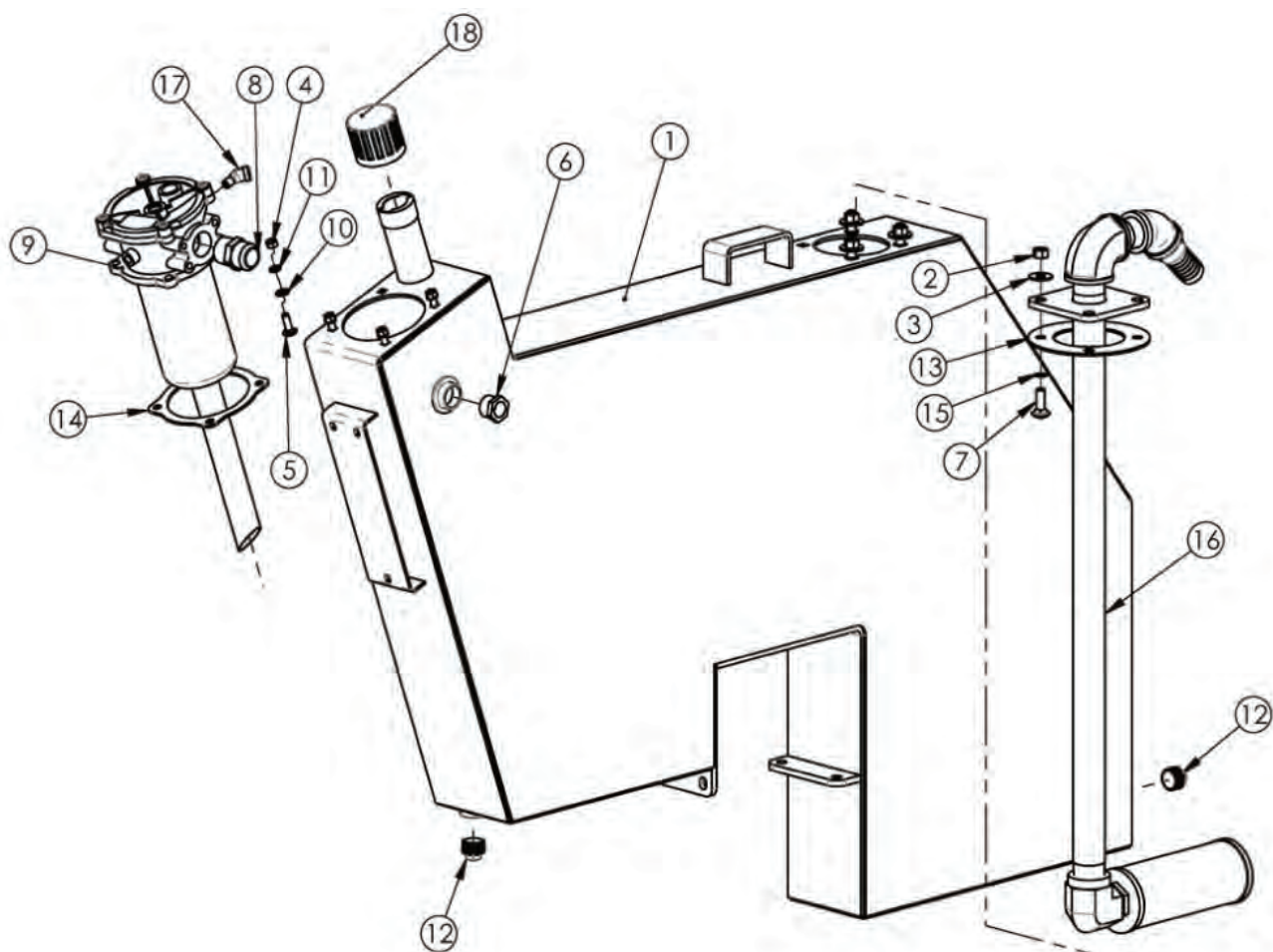


HYDRAULIC TANK W/PUMP AND VALVE ASY - MANUAL

Continued...

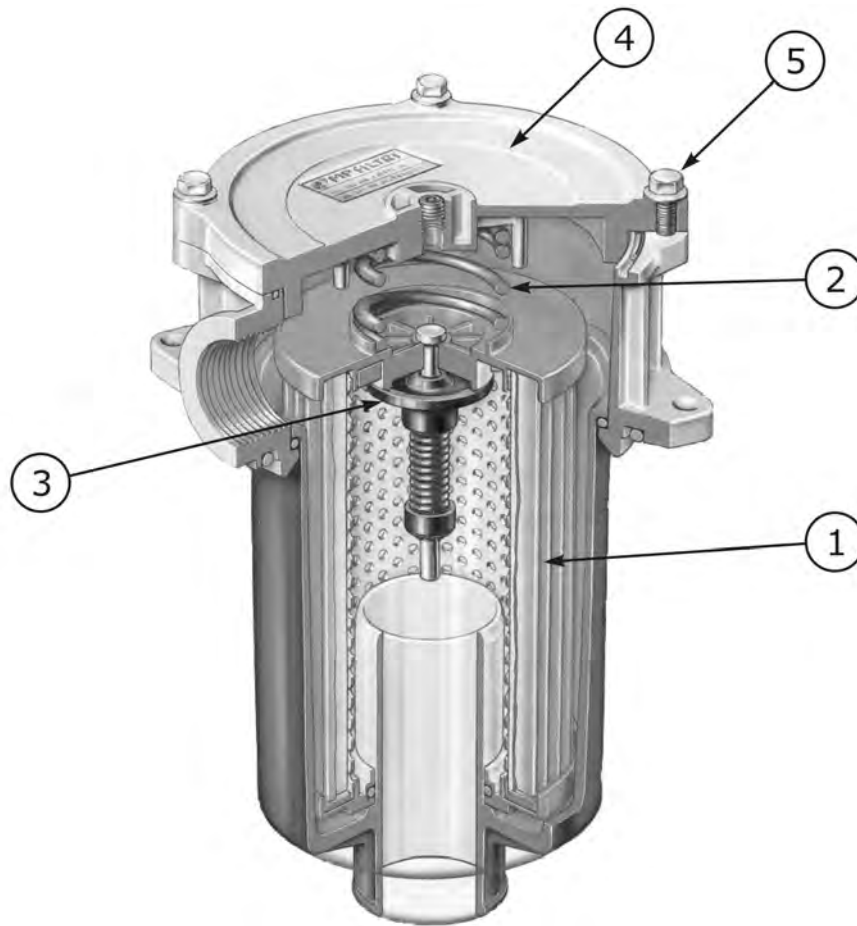
ITEM	PART NO.	QTY.	DESCRIPTION
	02987518	1	ASY, TANK, MAN VALVE, SAMURAI
1	02982882	1	ASY, TANK, HYDRAULIC
2	02981468	1	BRACKET, SHIPPING
3	02987519	1	VALVE MOUNT PLATE
4	00753642	4	HHCS 3/8 NC 1-1/4 PL5
5	00015800	4	LOCKNUT TLM 3/8 NC PLC
6	02985600	1	FRT PUMP ASY - TANDEM
7	02983736	1	CUTTER BLOCK, 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 PLC
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	02822300	4	ADP, HYD ST 8MB-4MJ
20	02976532	4	ADP, HYD, 4MJ-4FJX 45
21	02090800	4	ADP, HYD ELBOW 12MB - 12MJ 90
22	02976531	6	ADP HYD ELBOW 6MJ-6FJX 45
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	02972159	1	ADP HYD STGHT 8FB-8MB
39	02969398	1	ORIFICE, .055 RESTRICTOR

SUB ASSY, UNDER FENDER TANK



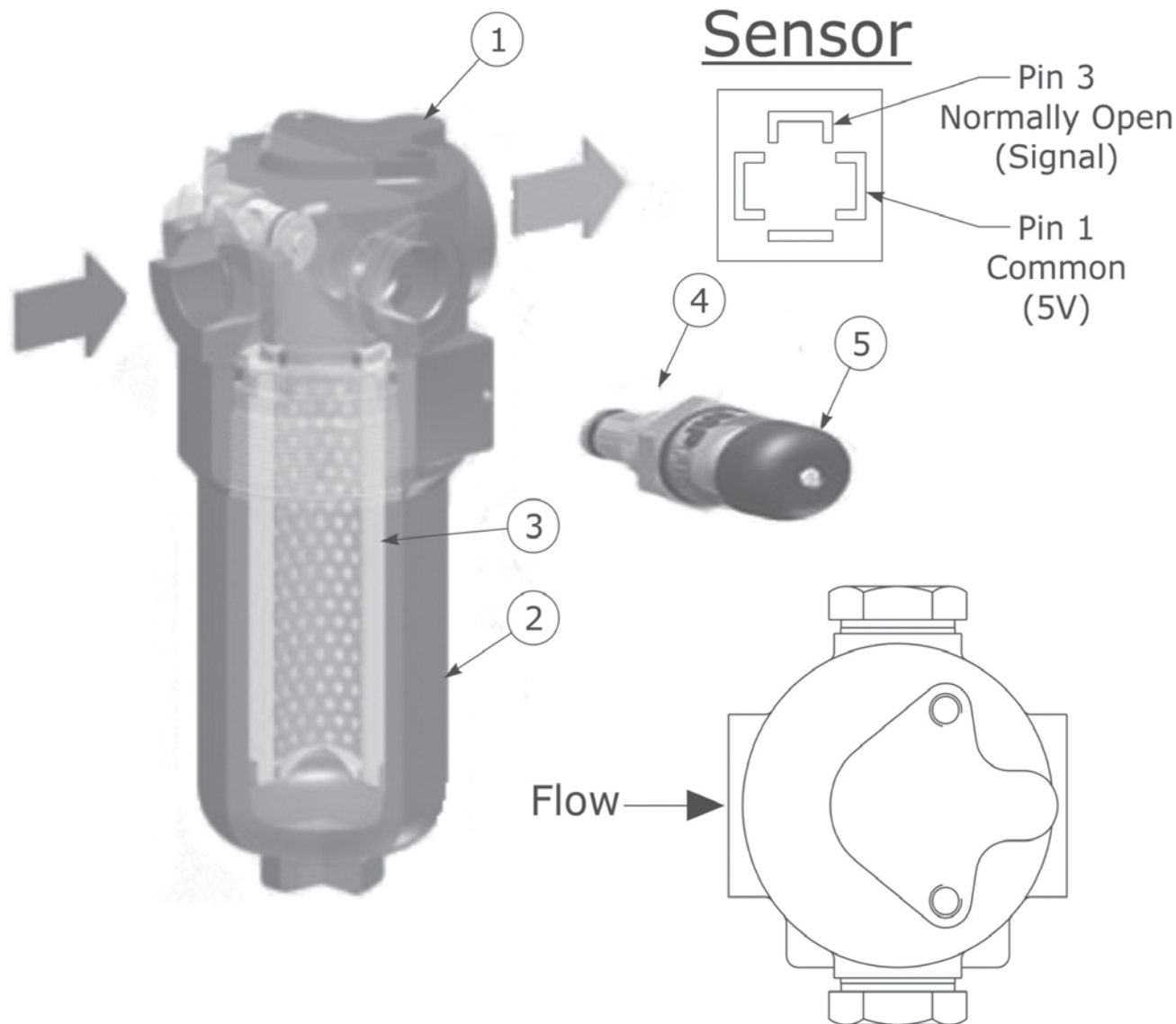
ITEM	PART NO.	QTY.	DESCRIPTION
1	----	1	WLDMT. HYD TANK UNDER FENDER (TANK WILL VARY WITH TRACTOR MODELS)
2	00001800	4	LOCKNUT TLM 1/2 NC PLC
3	00002700	4	FLATWASHER 1/2 PL STD
4	00015800	4	LOCKNUT TLM 3/8-NC PLC
5	000644	4	CARB 3/8 NC 1-1/4 PL5
6	02049700	1	SIGHT, GAUGE 16MP
7	02886900	1	CARB 1/2-13 NC X 1-1/2 PL5
8	02960809	1	ADP HYD STGHT 20MP-20MJ
9	02961000	1	FILTER ASSY-RETURN,IN TANK
10	02961255	4	PUSHNUT, BOLT RETAINER, 3/8
11	02962864	4	WASHER,SEALING 3/8
12	02963659	2	PLUG,1 MAGNETIC
13	02963661	1	GASKET,SUCTION PLATE, FIBER
14	02963662	1	GASKET,FILTER ASY,FIBER
15	63161900	4	SPRING NUT 1/2
16	----	1	ASY SUCTION 38"

FILTER ASSEMBLY



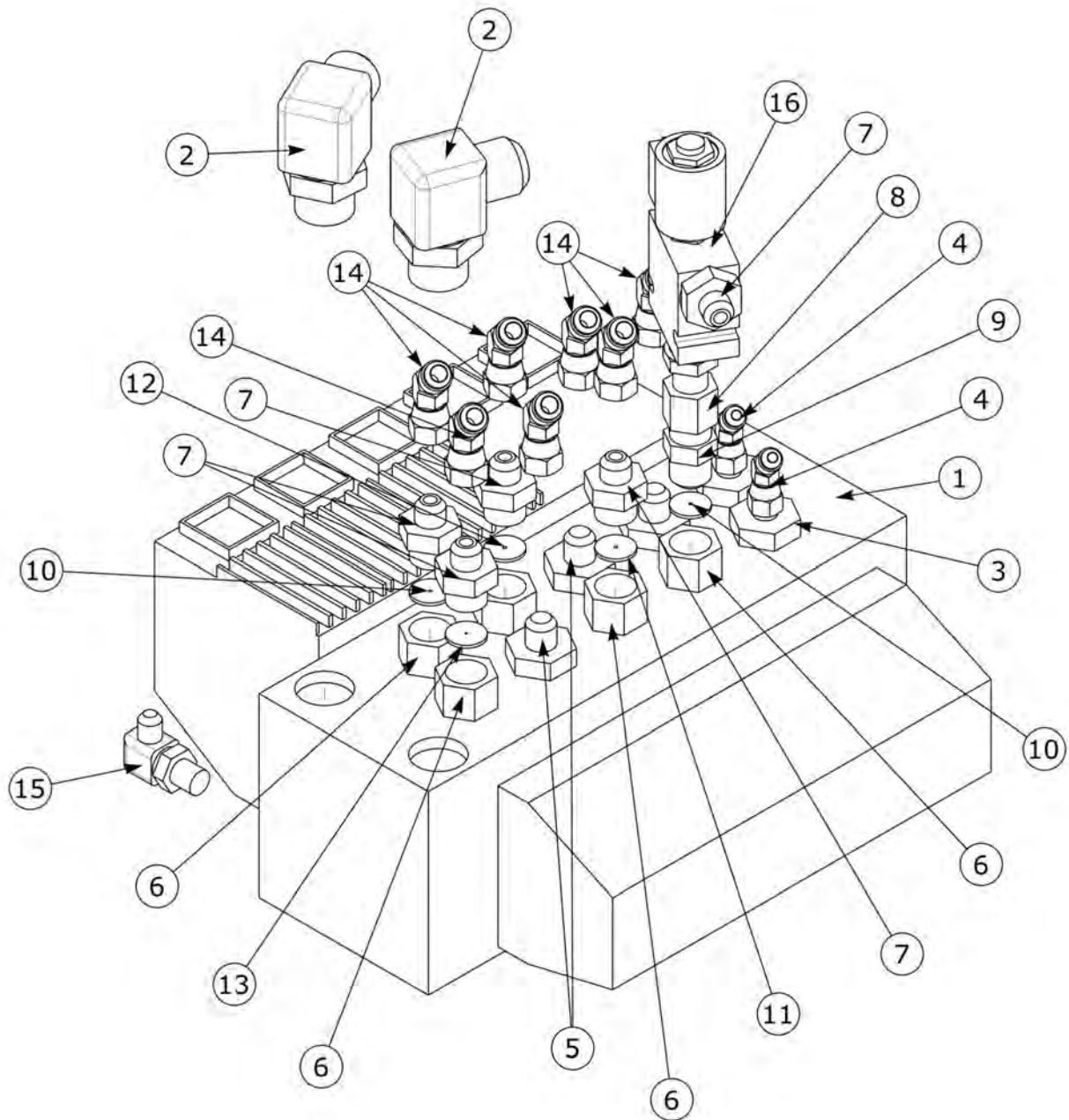
ITEM	PART NO.	QTY.	DESCRIPTION
	02964748	1	FILTER ASY
1	02961001	1	FILTER ELEMENT REPLACEMENT ONLY
2	02972678	1	SPRING, FILTER CARTRIDGE
3	02973782	1	VALVE, FILTER BYPASS
4	02978349	1	FILTER COVER
5	02978354	1	SEAL KIT
6	02978355	1	NUT AND BOLT KIT F/ TOP COVER

FILTER ASY - PRESSURE, VISUAL INDICATOR - PN 02985280



ITEM	PART NO.	QTY.	DESCRIPTION
-----	02985280	1	FILTER ASY, PRESSURE, VISUAL INDICATOR
1	02985281	1	FILTER ASY, HEAD
2	02985282	1	BOWL, FILTER ASY
3	02985283	1	FILTER, ELEMENT
4	02985285	1	INDICATOR, VISUAL
-----	02986516	1	SEAL KIT W/ O-RING

VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

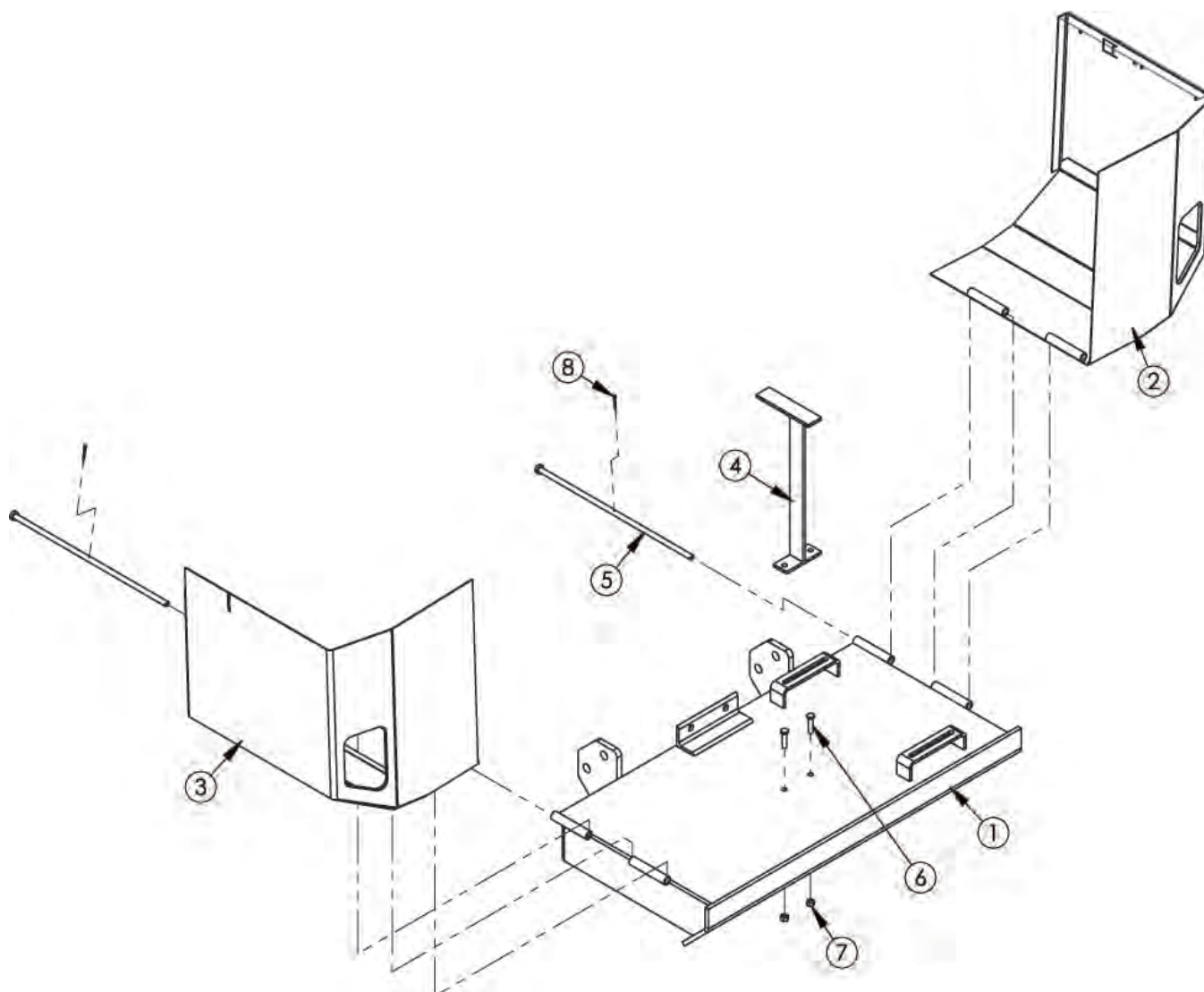


VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

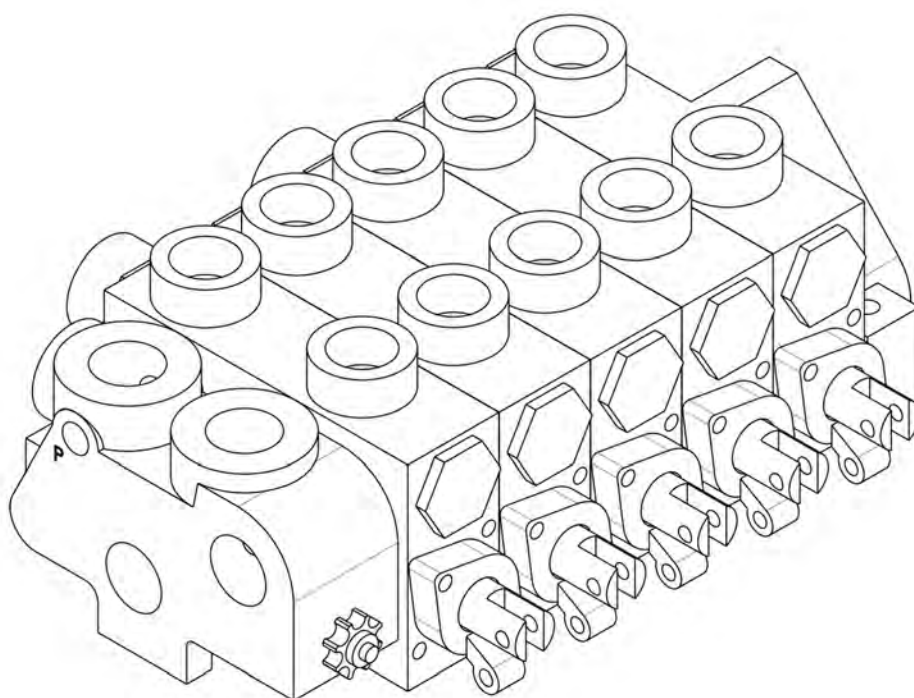
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987522	1	ASY, ELEC VALVE, SAMURAI
1	02971379	1	VALVE, PVG32 O-CTR
2	02090800	2	ADP, HYD ELBOW 12MB - 12MJ 90
3	02972179	2	ADP, HYD ST 10MB - 4MJ
4	02976532	2	ADP, HYD, 4MJ-4FJX 45
5	02972177	3	ADP, HYD ST 10MB - 6MJ
6	02972113	5	ADP, HYD 10MB - 8FB
7	02968850	5	ADP, HYD ST 8MB-6MJ
8	02975438	1	ADP, HYD STGHT 8FJX-8MB
9	00696800	1	ADP HYD STGHT 8MB-8MJ 90°
10	02969398	2	ORIFICE, .055 RESTRICTOR
11	02972209	1	ORIFICE, .063 RESTRICTOR
12	02972210	1	ORIFICE, .070 RESTRICTOR
13	02969399	1	ORIFICE, .040 RESTRICTOR
14	02976531	7	ADP HYD ELBOW 6MJ-6FJX 45
15	02972178	1	ADP, HYD ELBOW 12MB - 8MJ 90
16	02972208A	1	ASY, VALVE SOLENOID
-----	02998197	1	RELIEF, MAIN 2700 PSI

VALVE ASSY, MNT SAM 1.5



ITEM	PART NO.	QTY.	DESCRIPTION
1	02995385	1	WLDMT, VALVE STAND, SAM 1.5
2	02995387	1	WLDMT, LEFT HOOD, SAM 1.5
3	02995386	1	WLDMT, HOOD RIGHT, SAM 1.5
4	02995531	1	WLDMT, STABILIZER, VALVE STAND
5	02995527	2	WLDMT, ROD, VALVE STD, SAM 1.5
6	00023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
7	00015800	2	LOCKNUT TLM 3/8-NC PLC
8	40010000	2	PIN, COTTER 1/8 X1

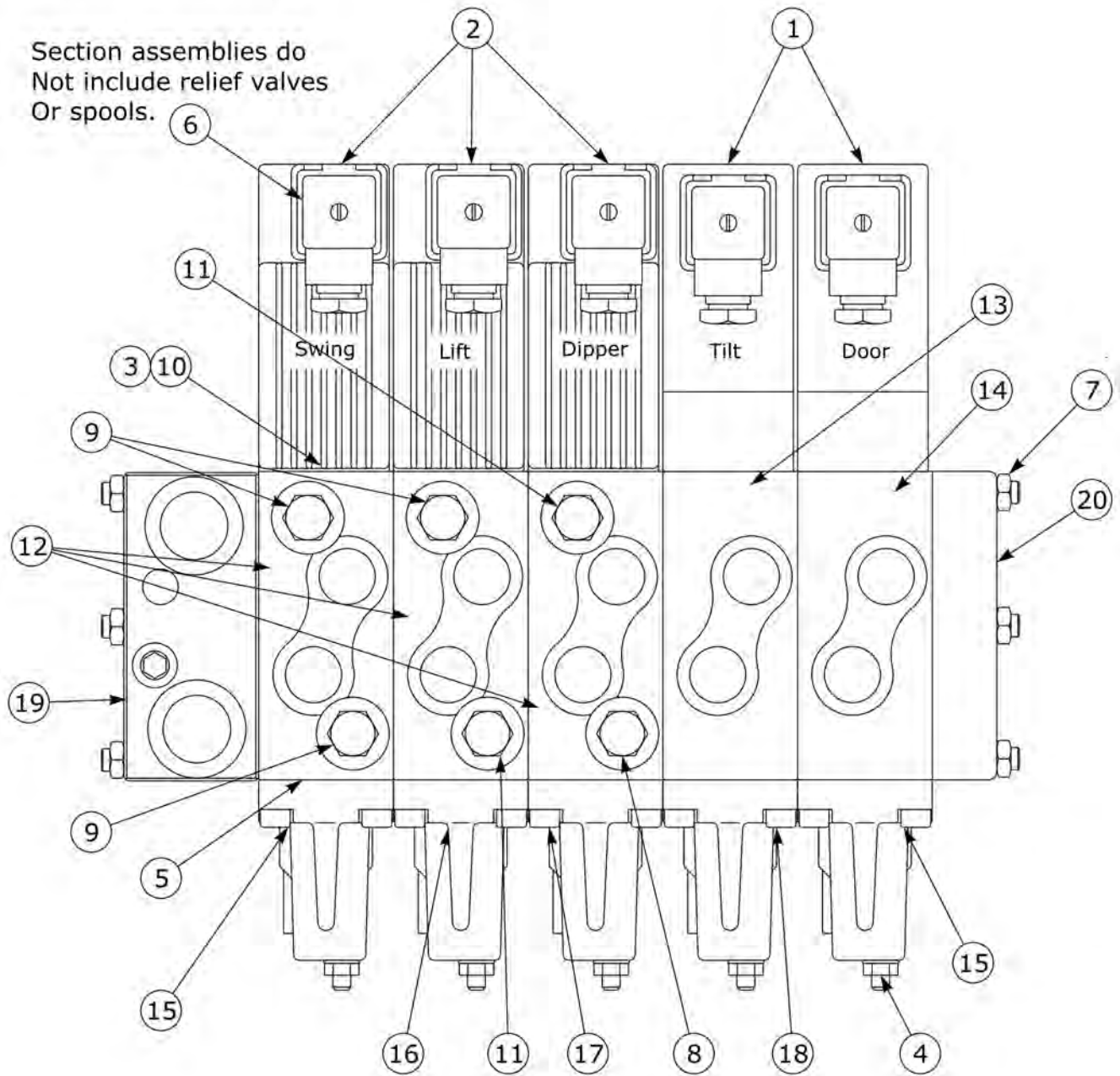


VALVE - PARTS - MANUAL

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987538	1	VALVE, MAN DIR CTRL 5-SPOOL
1	00013901	6	NUT HEX 3/8 NC PL
2	00501600	6	SEAL QUAD
3	02046700	1	VALVE END PLATE
4	02049600	1	VERTICAL HANDLE REPAIR KIT-CP4
5	02750100	1	SPOOL POSITIONER KIT 3-POS
6	02957172	1	LOAD CHECK PLUG ASSEMBLY
7	02958734	2	SPOOL POSITIONER KIT 4-POS DET
8	02961622	2	SEAL - QUAD
9	02962529	5	KIT, SEAL W/WASHER & O-RING
10	02964711	18	O-RING 15/16 X 1-1/8 X 3/32
11	02964712	8	O-RING 13/16 X 1 X 3/32
12	02974995	5	WIPER SPOOL
13	02974996	5	WASHER RETAINER PLATE
14	6513213	4	BRKT,HANDLE
15	02989482	3	KIT, TIE ROD, 5 SECTION,MANUAL
16	02989483	1	ASY, VALVE SECTION, LIFT
17	02989484	1	ASY, VALVE SECTION, SWING
18	02989485	1	ASY, VALVE SECTION, DIPPER
19	02989486	1	ASY, VALVE SECTION, TILT
20	02989487	1	ASY, VALVE SECTION, DOOR
21	02989488	1	VALVE, RELIEF, MAIN, 3000 PSI
22	02989489	1	VALVE, RELIEF, 2000 PSI
23	02989490	1	VALVE, RELIEF, 2750 PSI
24	02989491	1	VALVE, RELIEF, MAIN, 1200 PSI

VALVE - PARTS - OPEN & CLOSED CENTER

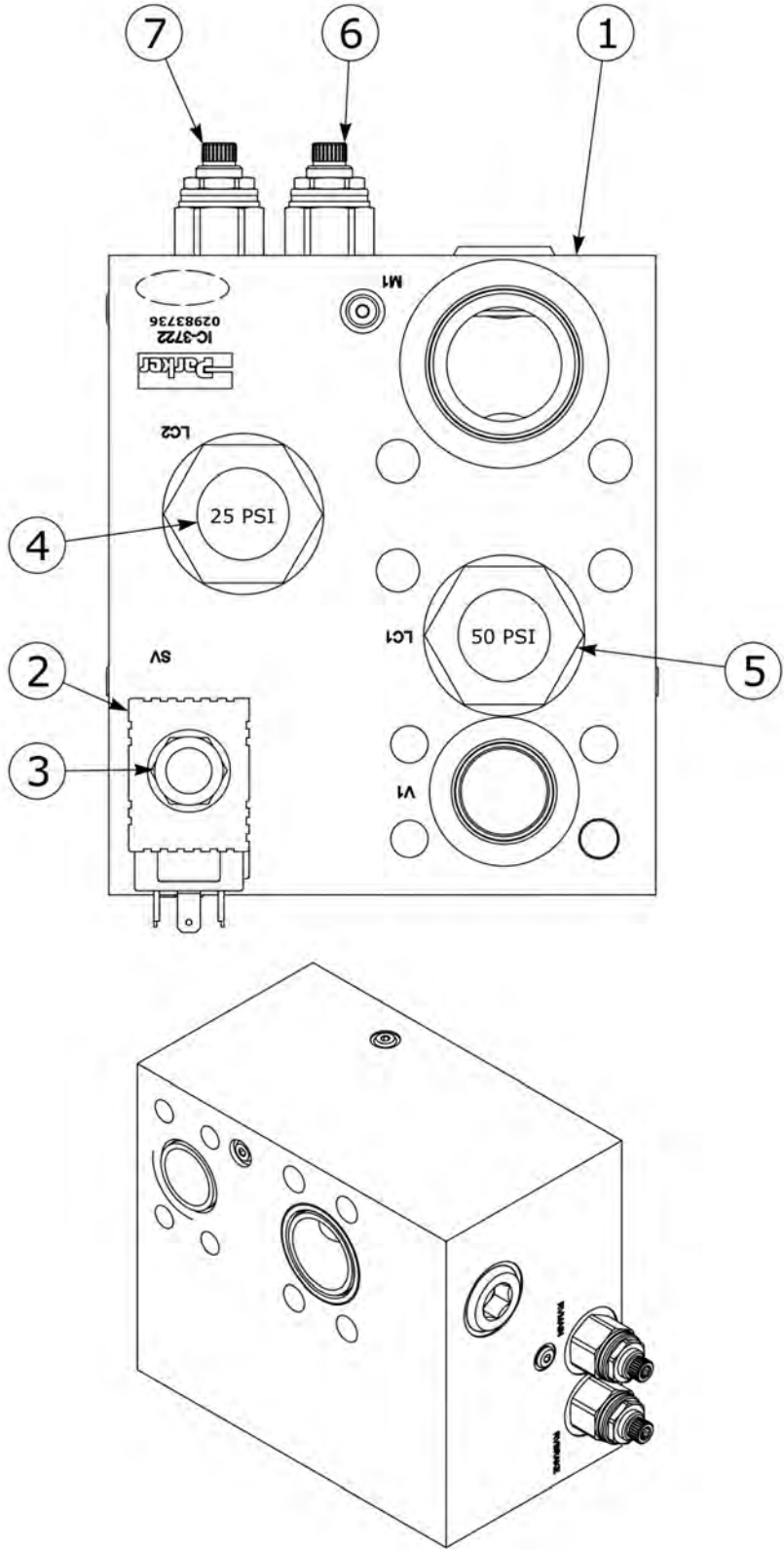


VALVE - PARTS - OPEN & CLOSED CENTER

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02971379	1	VALVE ASY, OCFD
1	02974004	2	ELECTRIC MODULE, DOOR & TILT
2	02974005	3	ELECTRIC MODULE, SWING LIFT & DIPPER
3	02974027	5	SEAL KIT, MODULE TO VALVE SECTION
4	02974838	5	HANDLE MODULE
5	02975950	5	SEAL KIT, HANDLE TO VALVE SECTION
6	02976024	5	CONNECTOR GASKET
7	02977032	1	VALVE ASY KIT (W/ TIE BOLTS & SEAL)
8	02977414	1	RELIEF VALVE, 2755 PSI
9	02977745	3	RELIEF VALVE, 2030 PSI
10	02977851	20	BOLT
11	02977957	2	RELIEF VALVE
12	02980656	3	SECTION,BARE,SWING,LIFT,DIPPER
13	02980657	1	SECTION,BARE, TILT
14	02980658	1	SECTION,BARE, DOOR
15	02980659	2	SPOOL, SWING OR DOOR
16	02980660	1	SPOOL, LIFT
17	02980661	1	SPOOL, DIPPER
18	02980662	1	SPOOL, TILT
19	02980664	1	SECTION, INLET (OCFD)
20	02980665	1	SECTION, END CAP

CUTTER CONTROL VALVE BLOCK

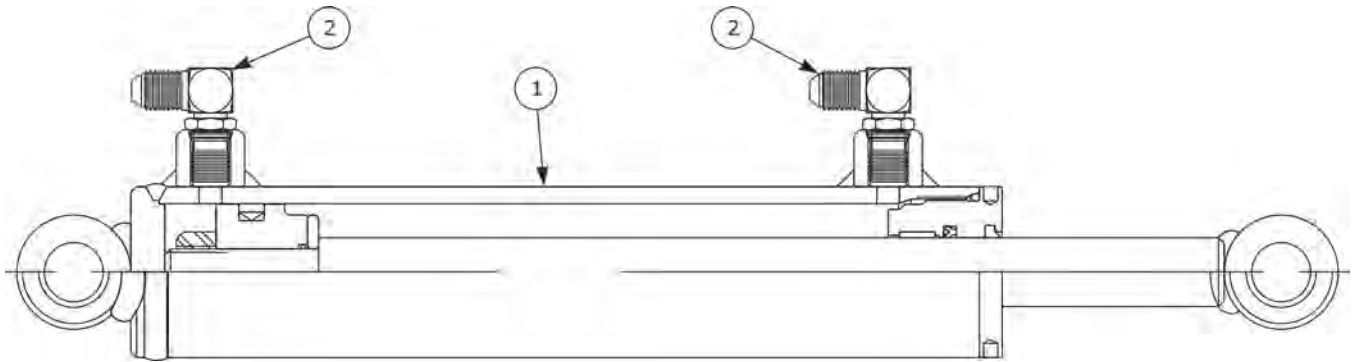


CUTTER CONTROL VALVE BLOCK

Continued...

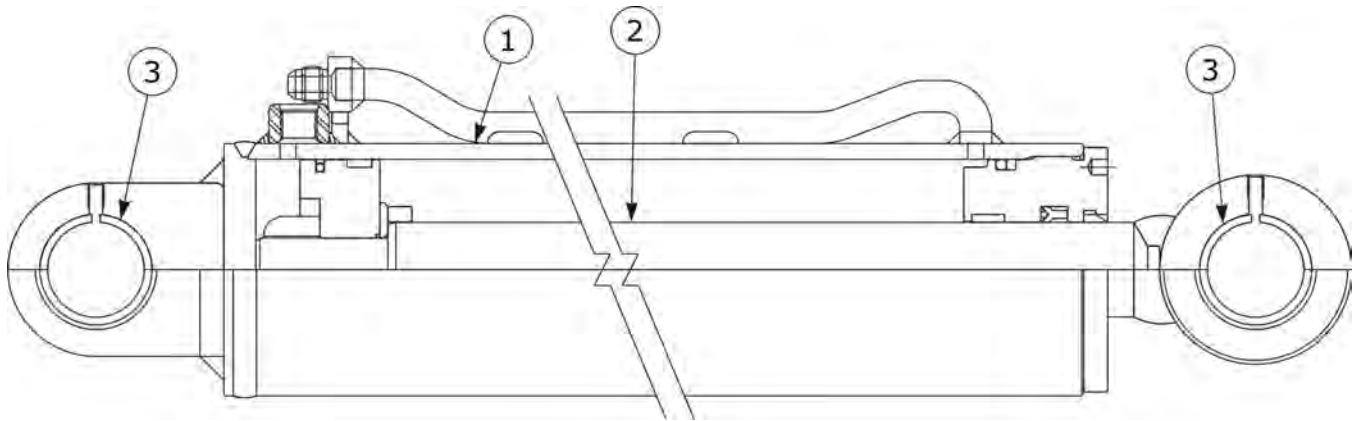
ITEM	PART NO.	QTY.	DESCRIPTION
1	02989711	1	ASY,MANIFOLD,STEEL,DUAL,C-BLOC
2	02983513	-	SOLENOID, COIL 12VDC 3 SPADE
3	02984339	1	SOLENOID, CARTRIDGE 2P3W
4	02983516	1	LOGIC CART, 25 BAR, CUT VAL
5	02983517	1	LOGIC CART, 50 BAR, CUT VAL
6	02987803	1	CARTRIDGE, RELIEF, VALVE, MAIN
7	02987802	1	CARTRIDGE, RELIEF, VALVE,BRAKE
8	02986284A	1	SEAL KIT, COMPLETE
	02988120	1	SEAL KIT, BLOCK TO PUMP
	02980979	2	SEAL KIT, POLY, LOGIC VALVE
	02987165	2	SEAL KIT, VITON, RELIEF VALVE
	02987375	1	SEAL KIT, VITON, SOL CARTRIDGE

HYDRAULIC CYLINDER ASY - AXLE STABILIZER - PN 02992192



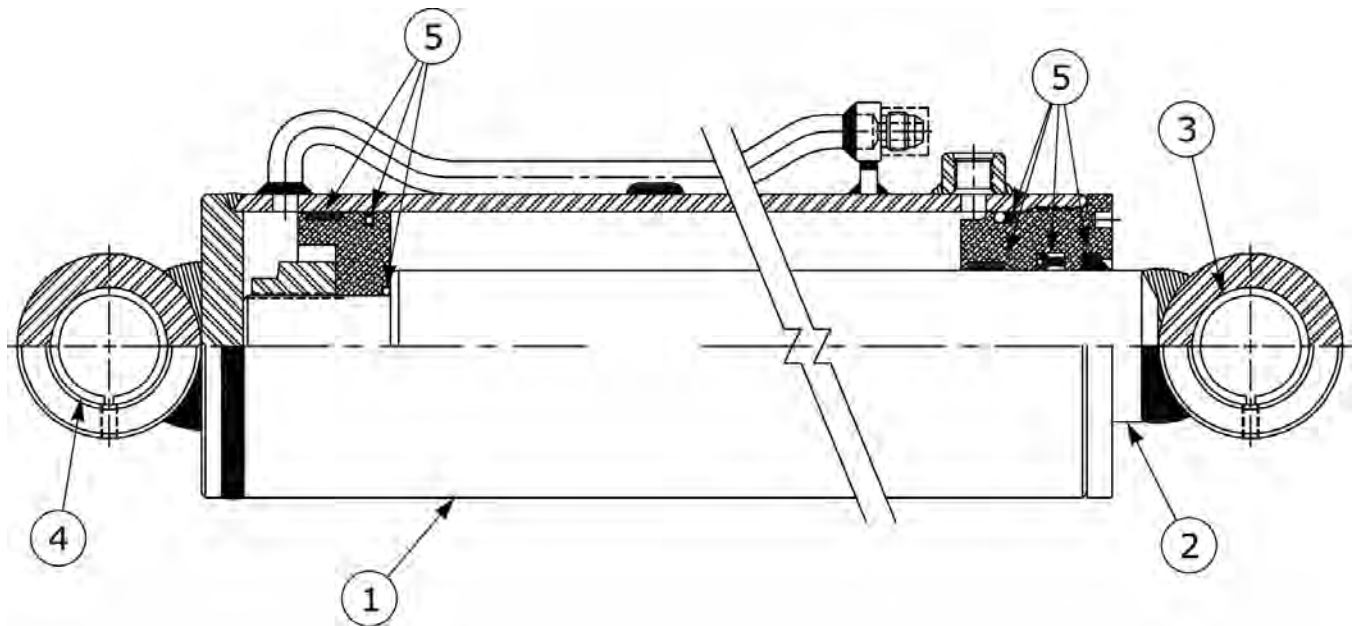
ITEM	PART NO.	QTY.	DESCRIPTION
1	02992192	1	CYLINDER, 1.5B X .75R X 6.25S
2	02960018	2	ADP HYD ELBOW 4MB-4MJ90
	02992223	1	SEAL KIT

HYDRAULIC CYLINDER ASY - DIPPER 18 FT BOOM



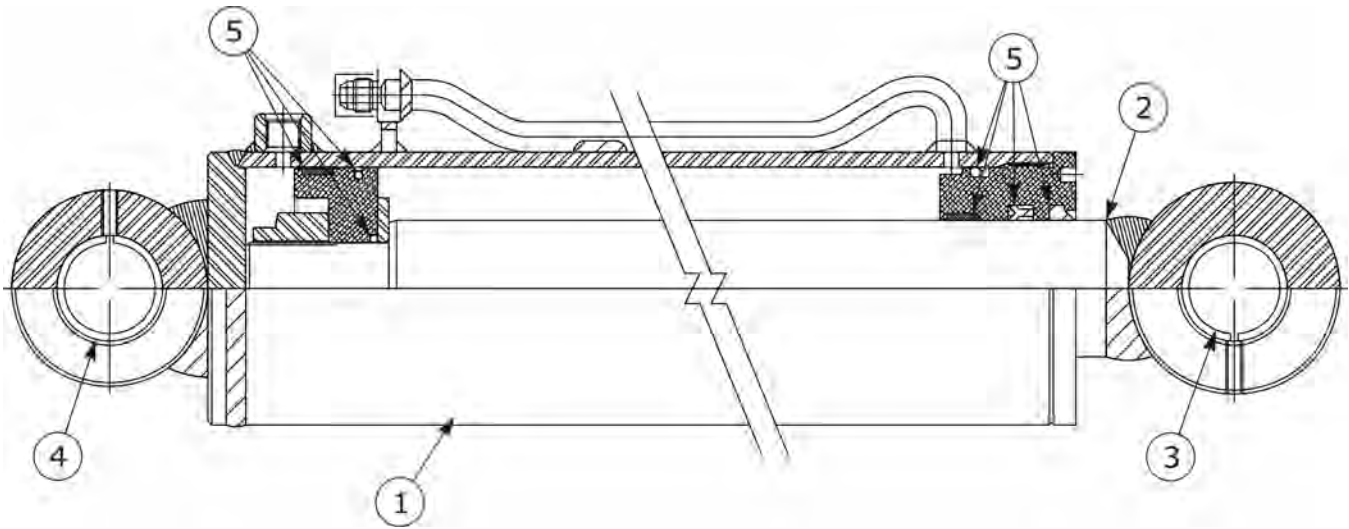
ITEM	PART NO.	QTY.	DESCRIPTION
	02983320	1	CYLINDER, 3.5B X 1.5R X 30.0S
1	02987928	1	ASSEMBLY ROD
2	02987927	1	ASSY, BARREL
	02987929	1	KIT, SEAL, DIPPER

HYDRAULIC CYLINDER ASY - DIPPER 22-25 FT BOOM



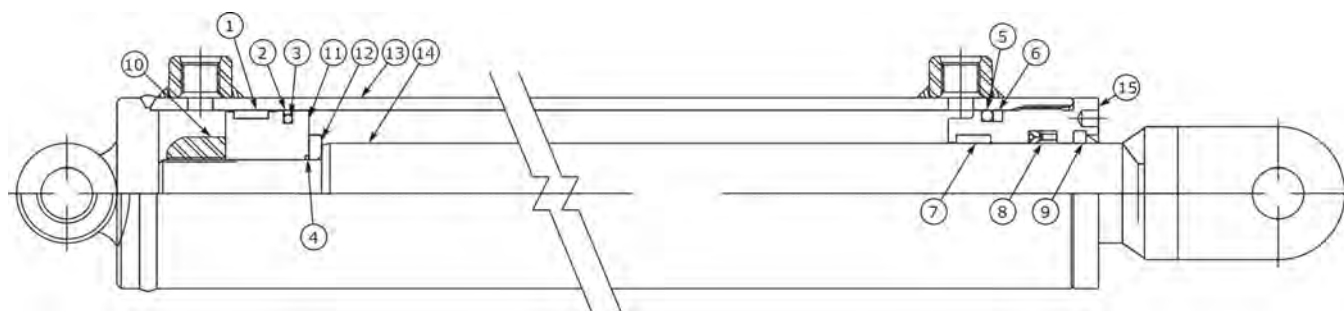
ITEM	PART NO.	QTY.	DESCRIPTION
	02981277	1	HYD CYL ASY, 4" BORE X 21.5" STROKE (22 & 25 FT BOOM)
1	02981925	1	BARREL WLDMT
2	02981926	1	ROD WLDMT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

HYDRAULIC CYLINDER ASY - LIFT BOOM



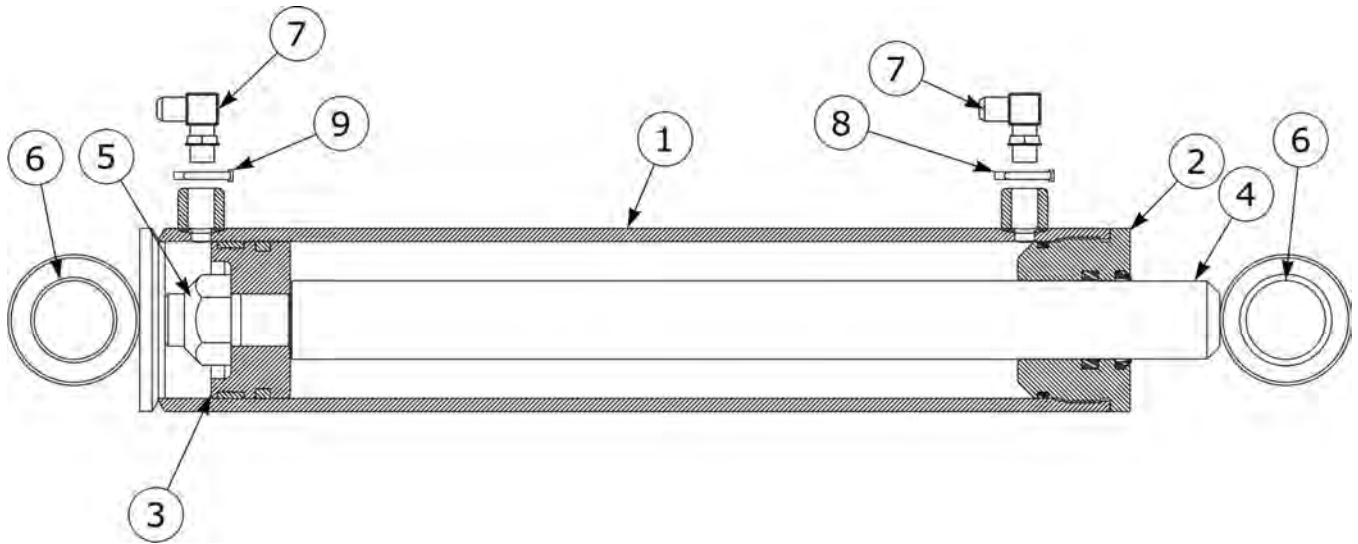
ITEM	PART NO.	QTY.	DESCRIPTION
	02981279	1	CYLINDER ASY, 4" BORE X 24.63" STROKE
1	02981929	1	BARREL WELDMENT
2	02981930	1	ROD WELDMENT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

HYDRAULIC CYLINDER ASY - HEAD SWIVEL



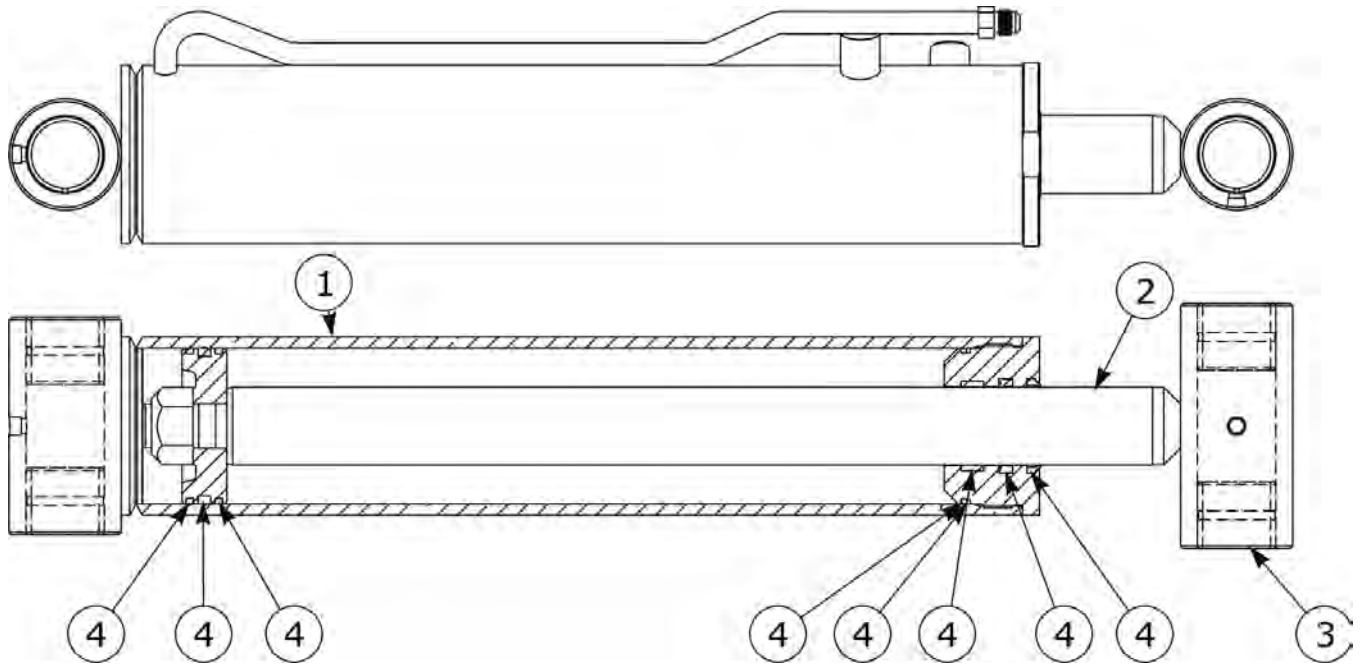
ITEM	PART NO.	QTY.	DESCRIPTION
	02981315	1	HYD CYL ASY, HEAD SWIVEL (OPTIONAL)
1	-----	1	WEAR RING, (SEE SEAL KIT)
2	-----	1	BACK-UP RING, (SEE SEAL KIT)
3	-----	1	O-RING, (SEE SEAL KIT)
4	-----	1	O-RING, (SEE SEAL KIT)
5	-----	1	O-RING, (SEE SEAL KIT)
6	-----	1	BACK-UP RING, (SEE SEAL KIT)
7	-----	1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

HYDRAULIC CYLINDER ASY - SWING



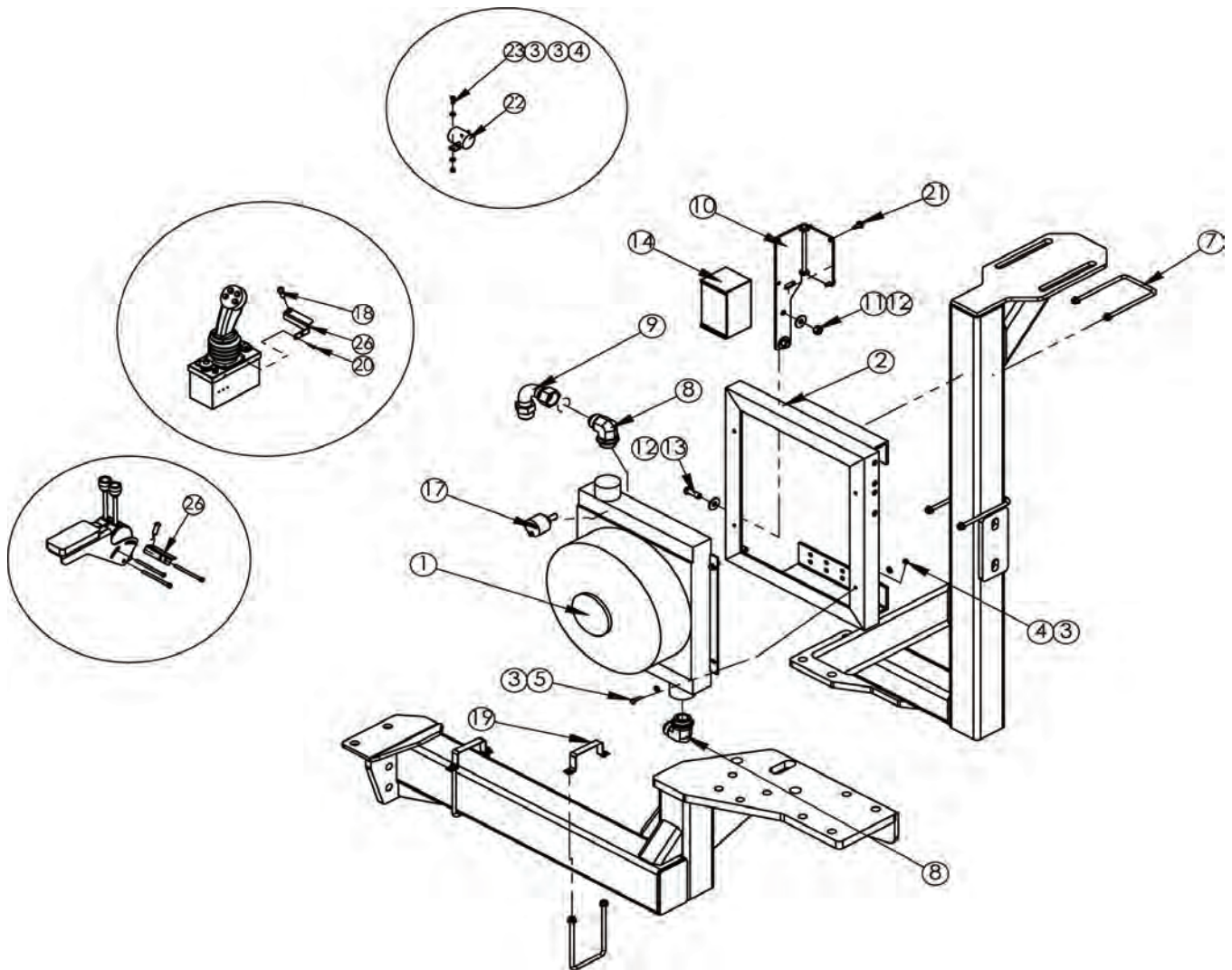
ITEM	PART NO.	QTY.	DESCRIPTION
	02968840	1	SWING CYL ASSEMBLY
	02967172A	1	SWING CYL 3BORE 13-13/16
1	02975463	1	WLDMT TUBE 3.00-13.81-W-S
2	02975450	1	HEAD,CYLINDER 3 X 1.50
3	02975454	1	PISTON 3.00-1.00-S-WR-PSP
4	02975459	1	WLDMT ROD 1.50-13.81-W-S
5	5JRC16140	1	LOCKNUT TLM 1 NF PL
6	02987750	3	BUSHING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

HYDRAULIC CYLINDER ASY - TILT



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

HYDRAULIC OIL COOLER MOUNTING



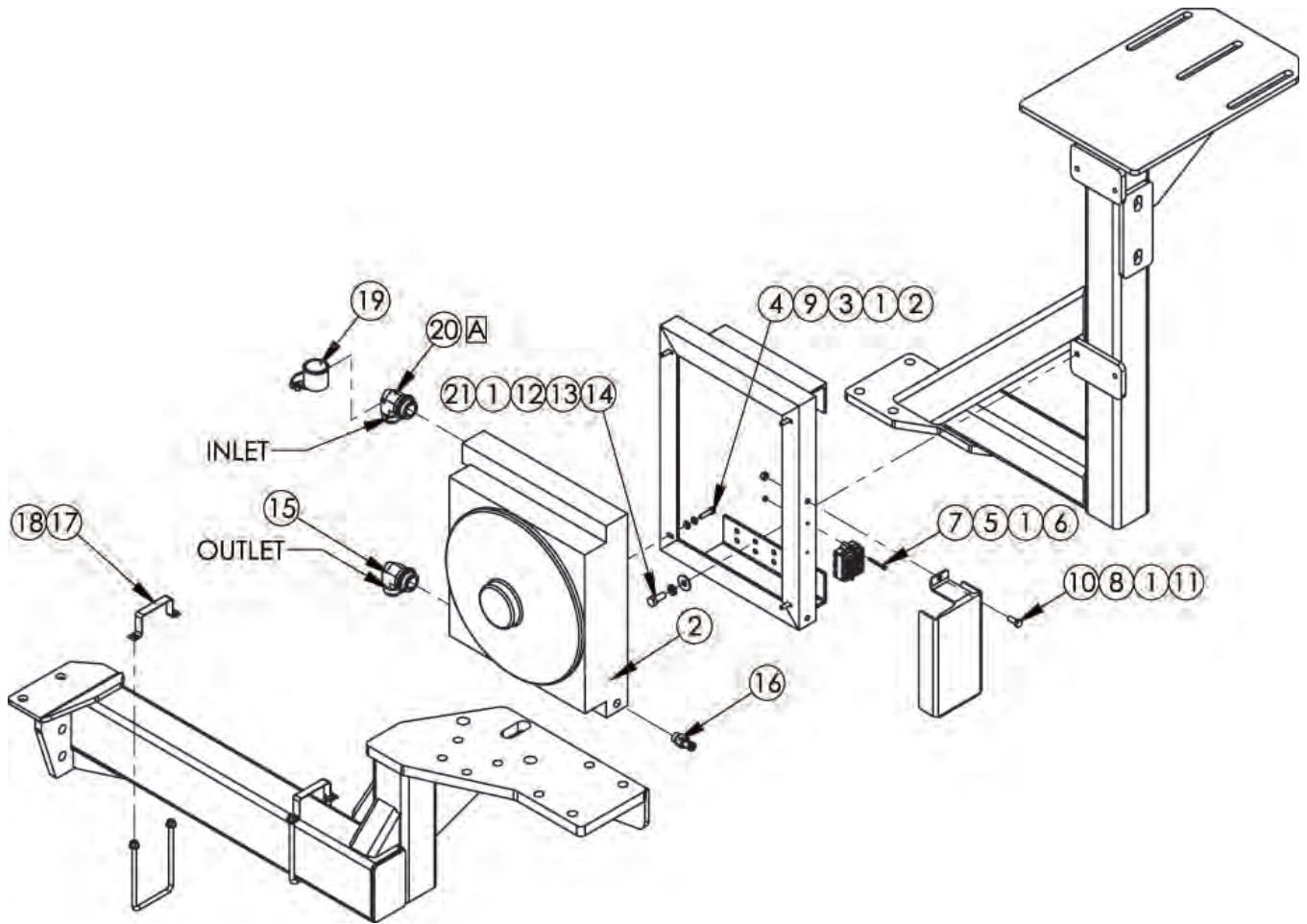
ITEM	PART NO.	QTY.	DESCRIPTION
1	02992829	1	HYD COOLER, D30-12, AKG
2	02992830	1	WLDMNT, COOLER FRAME
3	00024100	12	FLATWASHER STD 1/4 PL
4	02959924	6	NUT,LOCK TLM 1/4-20 NC PLB
5	10058000	4	HHCS 1/4 NC 1 PL5
7	02993057	4	U-BOLT 4" SQUARE X 7" LG X 3/8
8	02961098	2	ADP HYD ELBOW 20MB -20MJ 90
9	02960409	1	ADP TUBE ELBOW 20MJ-20FJX 90?
10	02992807	1	PLATE,REVERSER MOUNT
11	00001800	2	LOCKNUT TLM 1/2 NC PLC
12	00002700	4	FLATWASHER 1/2 PL STD
13	02892000	2	HHCS, 1/2"-13 NC x 1-1/2" PL8
14	02991206	1	REVERSER, TIMED, FAN CONTROL
15	02983372	1	WLDMT. RH REAR RAIL

HYDRAULIC OIL COOLER MOUNTING

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
17	02992753	1	TEMPERATURE PROBE, AKG COOLER
18	02992889	2	LIGHT, HIGH TEMP, JOYSTICK MNT
19	02993076	2	CLAMP, HOSE, RAIL MOUNT
20	02993080	1	MACHINE SCREW #10-32 3/4 LG.
21	00752735	4	SELF TAP 5/16NC 3/4 PL TYPE"F"
22	02991208	1	RELAY, IGNITION
23	00021400	2	HHCS 1/4 NC 3/4 PL5
24	02993055	2	HOSE HANGER, FORMED, 5" DIA
26	02994058	1	PLATE, HIGH TEMP LGT BRKT

HYDRAULIC OIL COOLER MOUNTING SAM 1.8 FT ASA



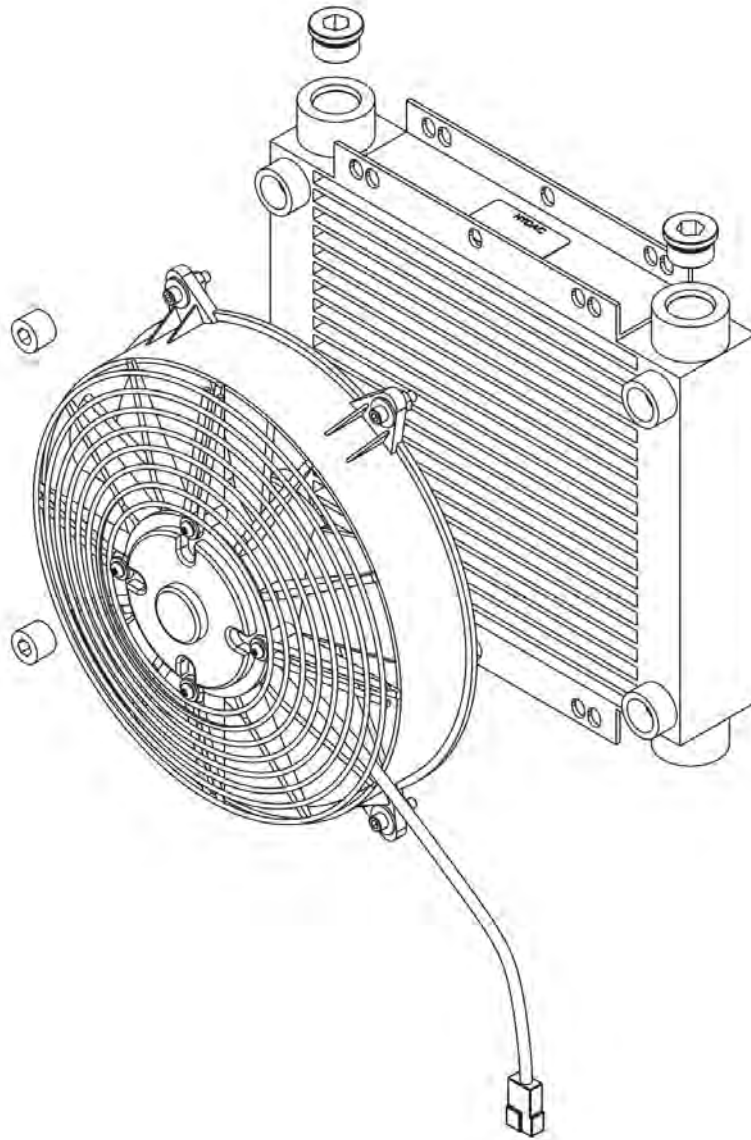
ITEM	PART NO.	QTY.	DESCRIPTION
1	02996722	1	WLDMT, ASA COOLER FRAME
2	02996711	1	HYD COOLER, ASA
3	00023500	4	FLATWASHER 5/16 PL
4	02996740	4	MT KIT, TS6.110 R/2 SAM1.8 CBL
5	02996710	1	FAN CONTROLLER/ REVERSER ASA
6	02996721	2	NUT, TL, #10-24 PL
7	02996720	2	SHCS, #10-24 X 1-3/4" PL
8	02996715	1	PLATE, CONTROL COVER, ASA CLR
9	02970065	4	LOCKWASHER, 8MM
10	00011400	2	HEXB 3/8-16 X 1 PL5
11	00015800	2	LOCKNUT TLM 3/8-NC PLC
12	00002700	4	FLATWASHER 1/2 PL STD
13	00019600	4	LOCKWASHER, 1/2, HVY, PL
14	02776600	4	HHCS, 1/2-13 NC X 1 1/4" PL8
15	02961098	1	ADP HYD ELBOW 20MB -20MJ 90
16	02996714	1	TEMPERATURE SENSOR, ASA COOLER
17	02993076	2	CLAMP, HOSE, RAIL MOUNT

HYDRAULIC OIL COOLER MOUNTING SAM 1.8 FT ASA

Continued...

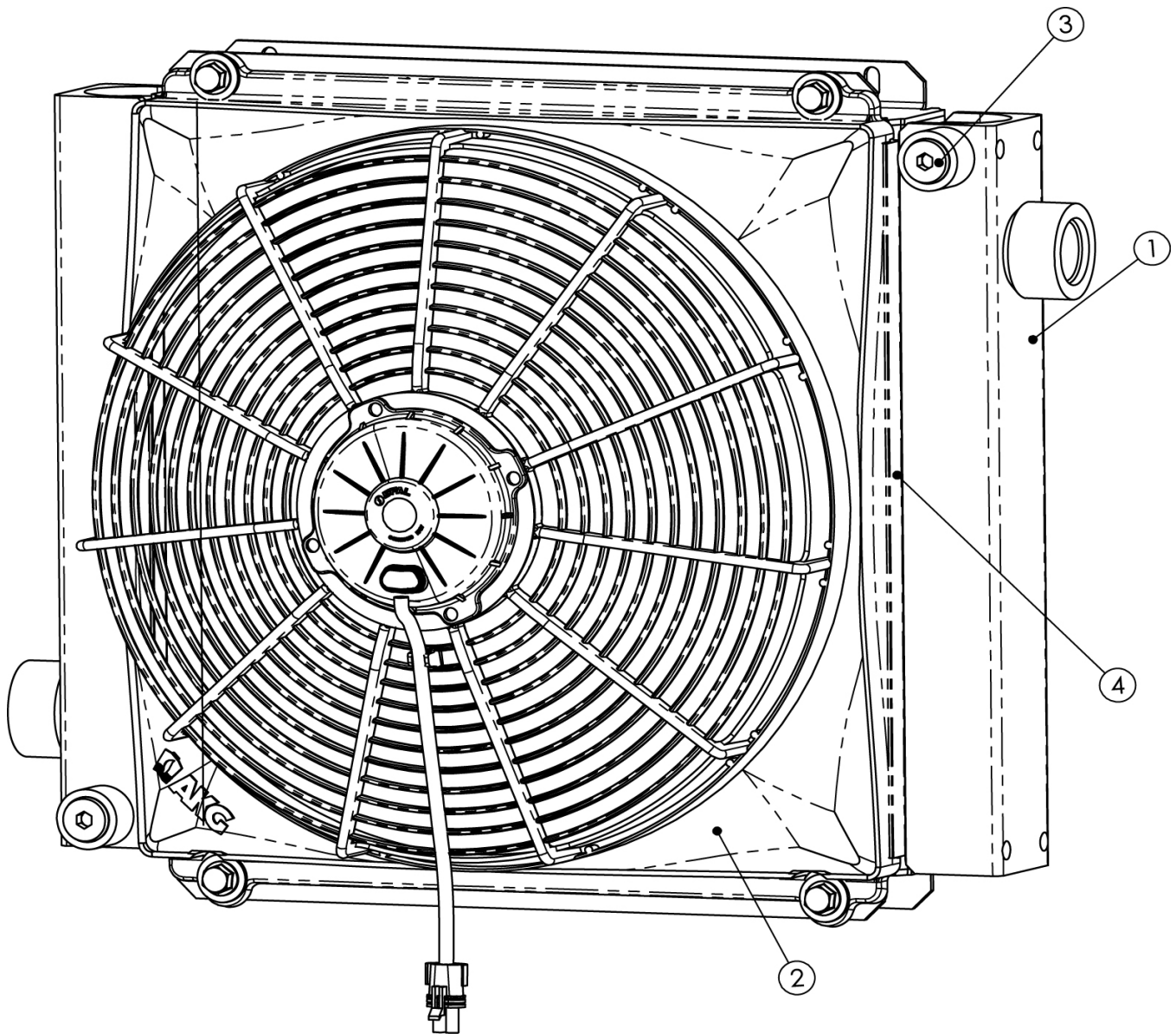
ITEM	PART NO.	QTY.	DESCRIPTION
18	02993057	2	U-BOLT 4" SQUARE X 7" LG X 3/8
19	02994561	1	OIL TEMP GUAGE - 120F - 340F
20	02996865	1	HYD FTG 20MB-20MJ 90 W 1/8NPT

HYDRAULIC OIL COOLER AND FAN ASY



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

HYDRAULIC OIL COOLER D30



ITEM	PART NO.	QTY.	DESCRIPTION
0	02992829	1	HYDRAULIC OIL COOLER D30
1	02993483	1	D30 OIL COOLER
2	02993423	1	16" GENERAL CAB FAN
3	02993484	2	PLUG -8 SAE O-RING
4	00000000	2	LOCKING PROFILE SEAL

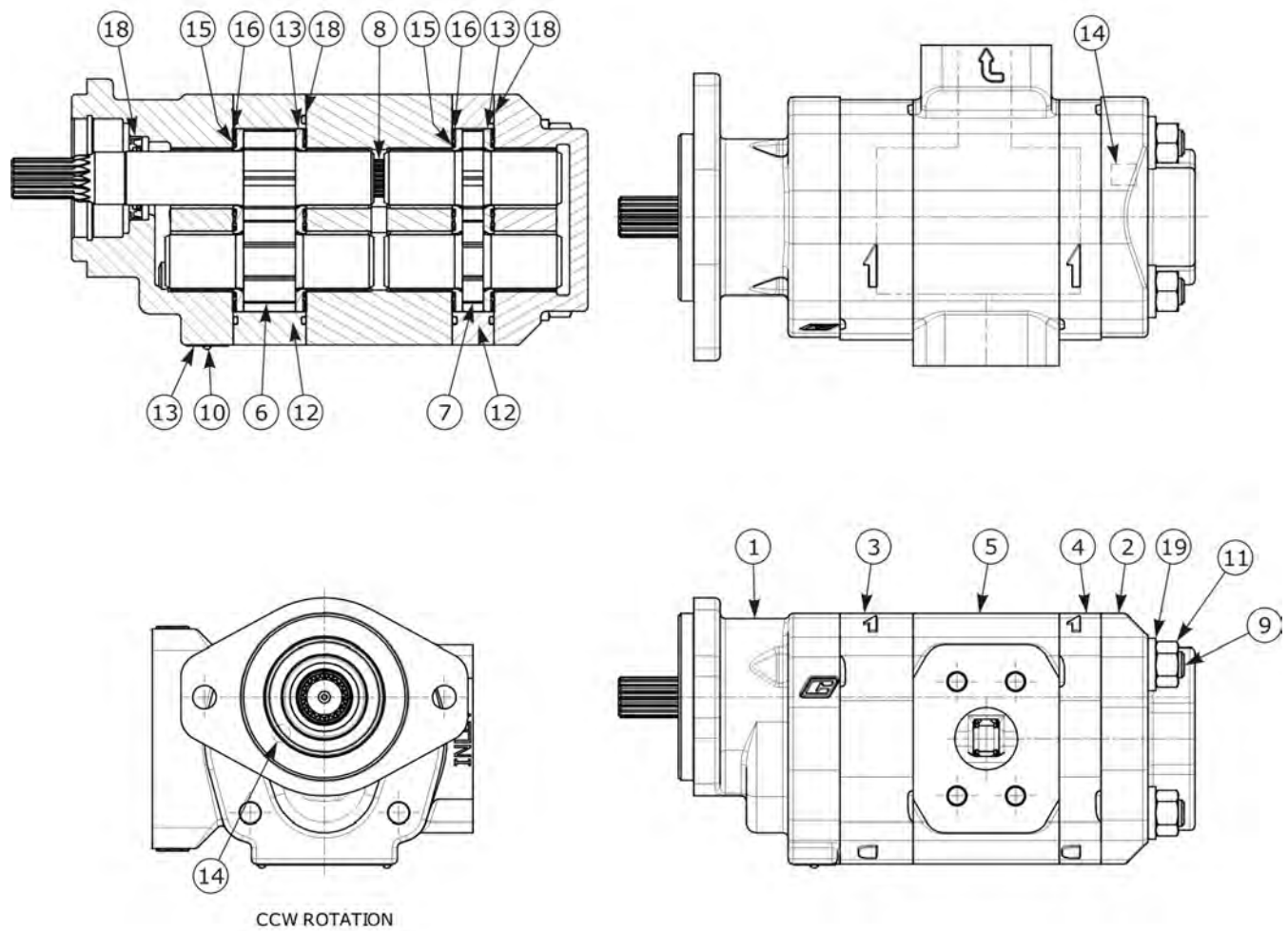
NOTE:*SEALS (QTY 2) ARE PROVIDED WITH REPLACEMENT FAN. ALAMO GROUP P/N 02993423

PUMP-TANK-VALVE COVER



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

PUMP ASY-TANDEM 1 IN 2 OUT - PN 02985600

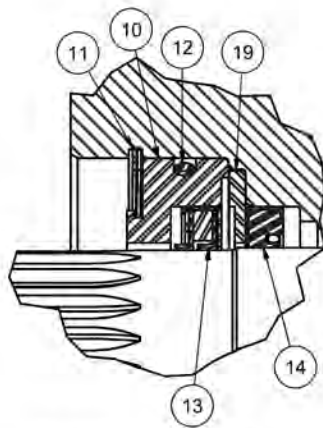


PUMP ASY-TANDEM 1 IN 2 OUT - PN 02985600

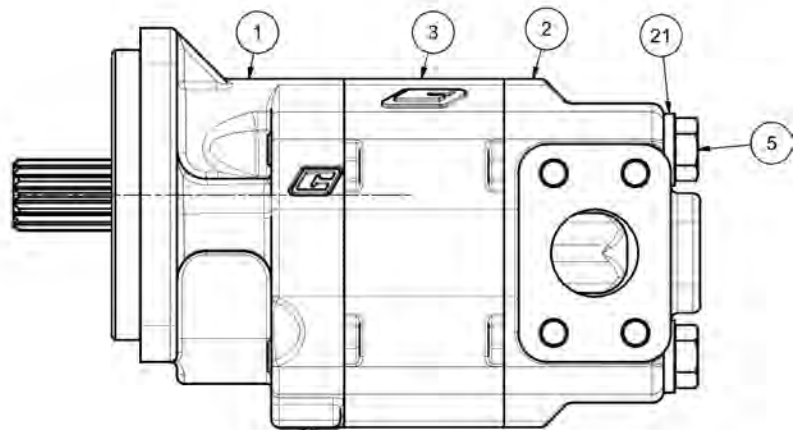
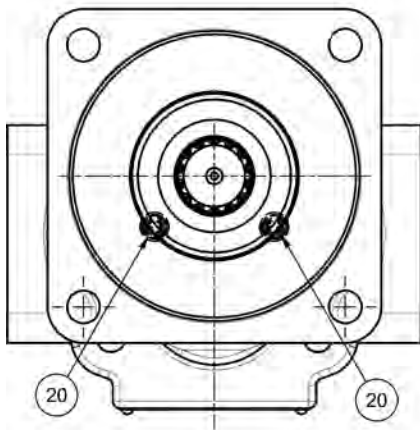
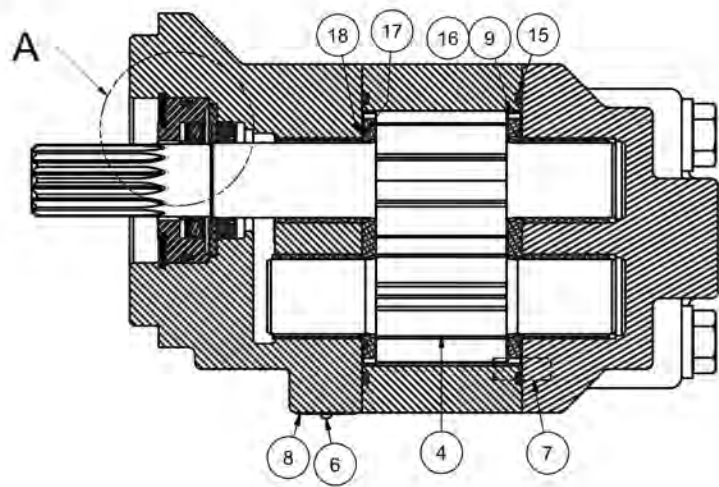
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ITEM	PART NO.	QTY.	DESCRIPTION
	02985600	1	FRT PUMP ASY-TANDEM 1 IN, 2 OUT
1	02961913	1	MOUNTING FLANGE
2	02962184	1	COVER FLANGE
3	02987934	1	HOUSING, GEAR, FRT PUMP ASY
4	02962186	1	GEAR HOUSING
5	02987935	1	HOUSING,CARRIER BRNG, FRT PUMP
6	02987936	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

MOTOR HYD GEAR 5.73 HP SEAL - PN 02989904



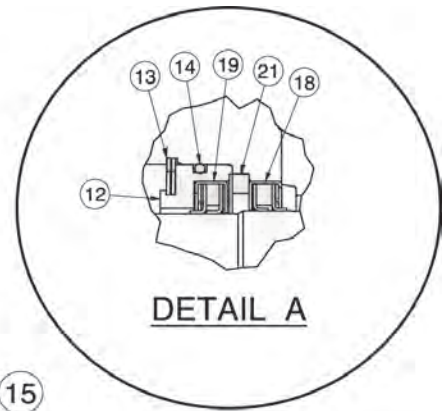
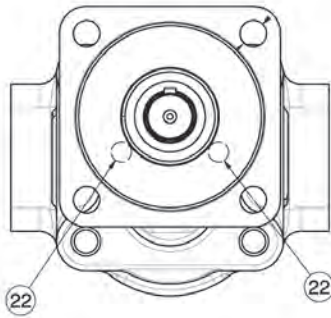
DETAIL "A"



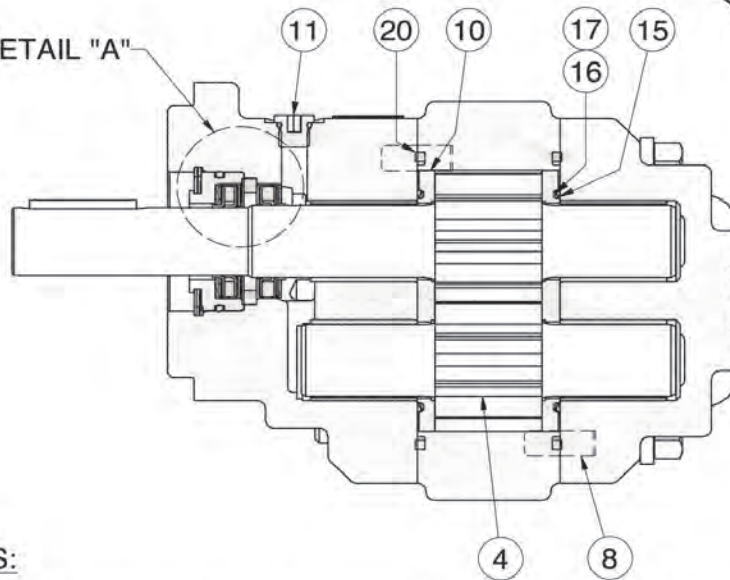
MOTOR HYD GEAR 5.73 HP SEAL - PN 02989904**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	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		2	
21	02961917	4	WASHER
	02990075	1	KIT, HP, SEAL, 5.73 CID MOTOR

MOTOR, GEAR PUMP 48 INCH FLAIL P/N 02987315



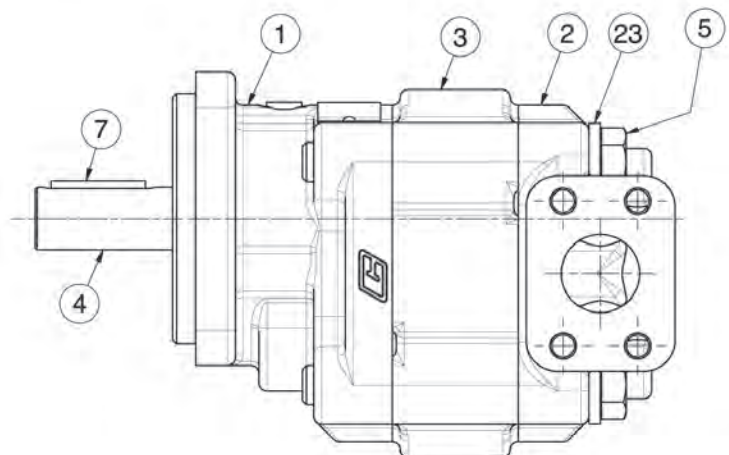
SEE ENLARGED DETAIL "A"



NOTES:

1 THE DRAIN MUST BE CONNECTED TO A LOW PRESSURE TANK RETURN LINE UNLESS THE OUTLET PRESSURE IS ALWAYS LESS THAN THE PRESSURE RATING OF THE SHAFT SEAL.

2 USE Seal KIT: 02988473

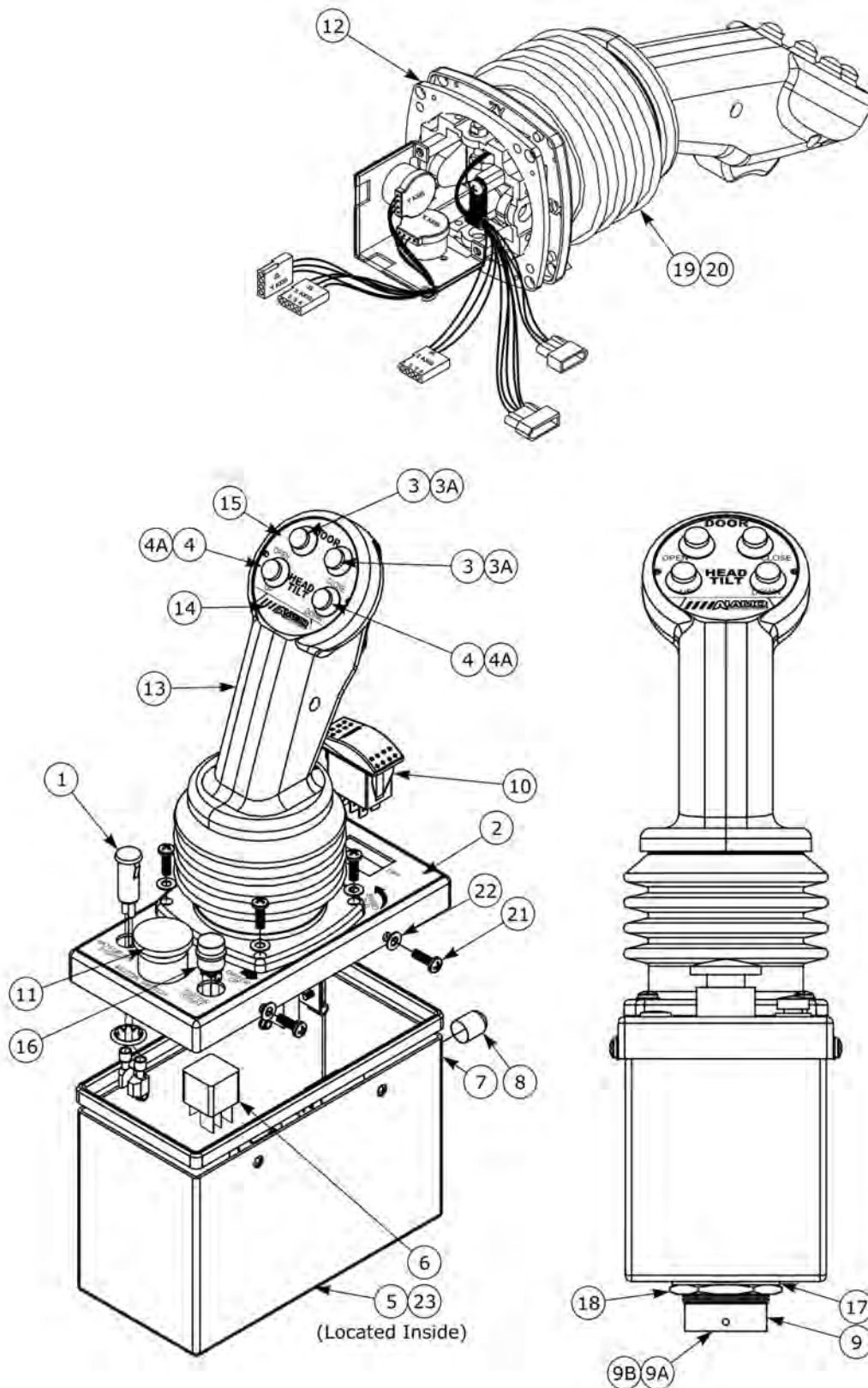


MOTOR, GEAR PUMP 48 INCH FLAIL P/N 02987315**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	02964933	1	FLANGE- MOTOR MTG
2	02962204	1	PORTING FLANGE
3	02964706	1	HOUSING,GEAR
4	02988480	1	SET,SHAFT,GEAR,MOTOR 3.0 CU/IN
5	02964707	4	CAPSCREW
7	02962207	1	KEY 1/4 X 1/4 X 1 1/2 LG
8	02979953	4	DOWEL PIN, PUMP, HYDRO 15/10
10	02988479	2	THRPL, MOTOR, GEAR, 3.0 CU/IN
11	02961940	1	PLUG HEX SKT HD 4MB
12	02962209	1	RETAINER SEAL
13	02962210	1	RING, RETAINING, INTERNAL
14	02980320	1	O-RING FOR 02961678 MTR.
15	02988478	2	SEAL, BACKUP, MOTOR, 3.0 CU/IN
16	02988477	4	SEAL, END, MOTOR, 3.0 CU/IN
17	02988476	4	SEAL, SIDE, MOTOR, 3.0 CU/IN
18	02980319	1	LIP SEAL FOR 02961678 MTR.
19	02980318	1	LIP SEAL FOR 02961678 MTR.
20	02988475	2	SEAL, SQ RING,MOTOR, 3.0 CU/IN
21	02988474	1	SPACER, MOTOR, GEAR, 3.0 CU/IN
22		2	
23	02961912	4	WLDMT,CONTROL BOX STAND

SECTION 70 CONTROLS

JOYSTICK CONSOLE ASY

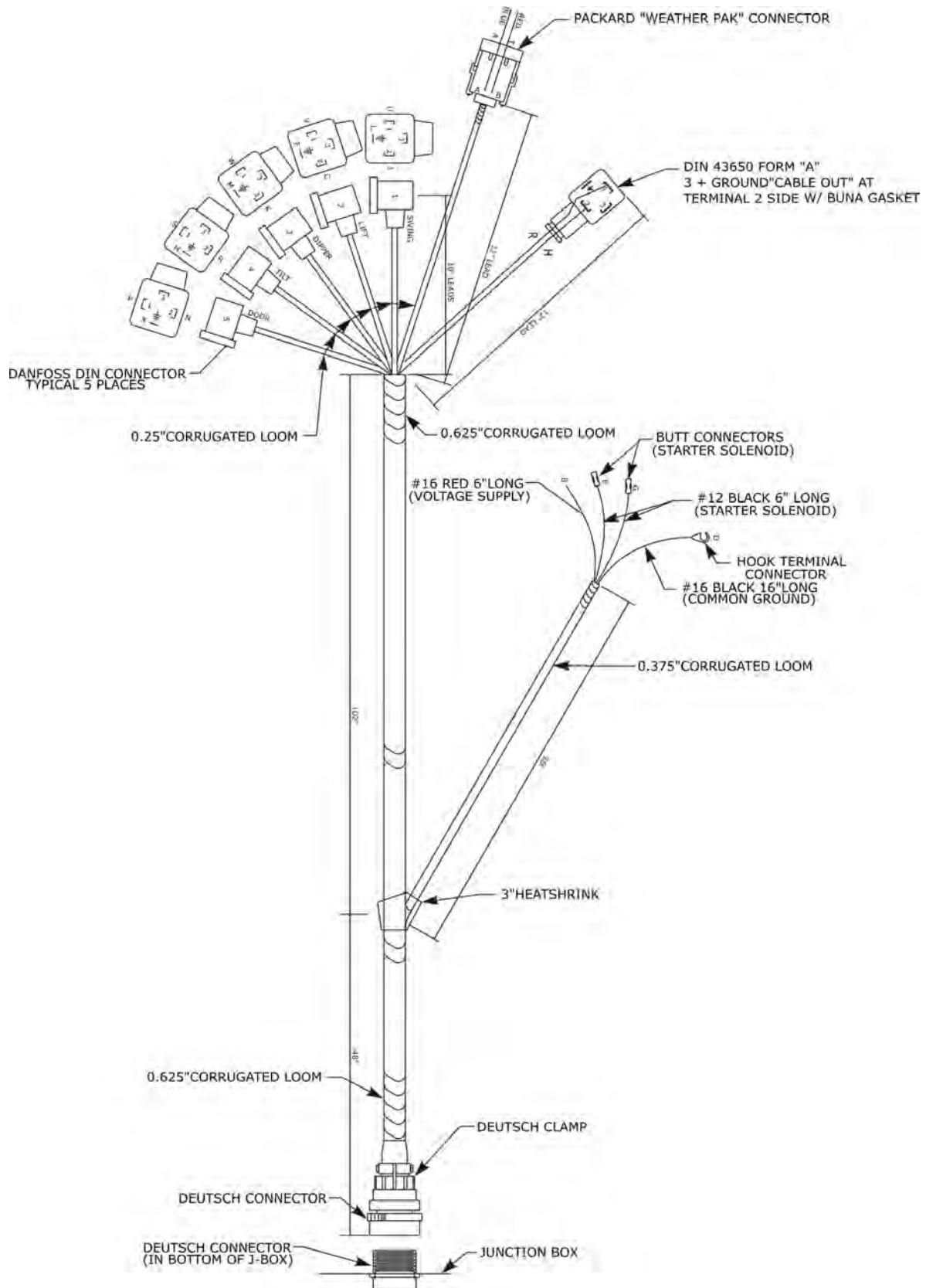


JOYSTICK CONSOLE ASY

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	02977643	1	NUT, PANEL - 24 SHELL SIZE
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	02977043	1	SWITCH ROCKER DPDT W/GREEN LED
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	HARNESS,RESISTOR,DANFOSS VLV

WIRE HARNESS ELECT-HYD VALVE

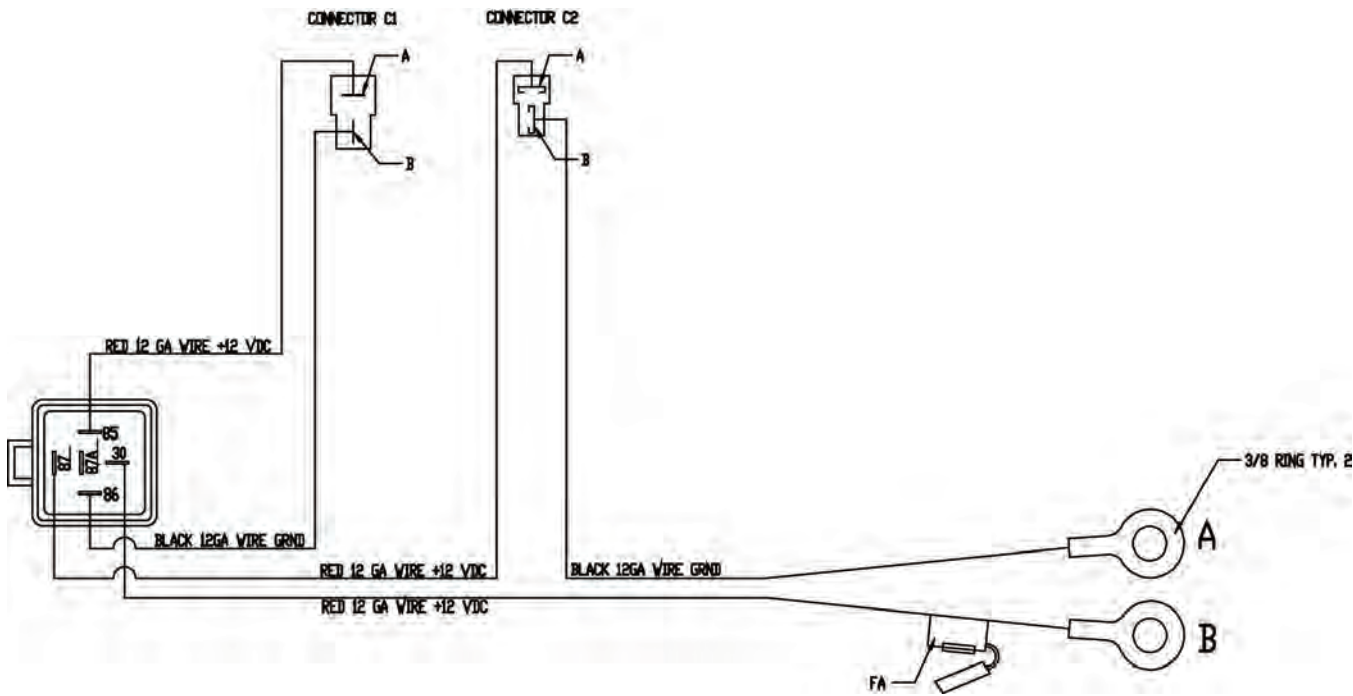


WIRE HARNESS ELECT-HYD VALVE

Continued...

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

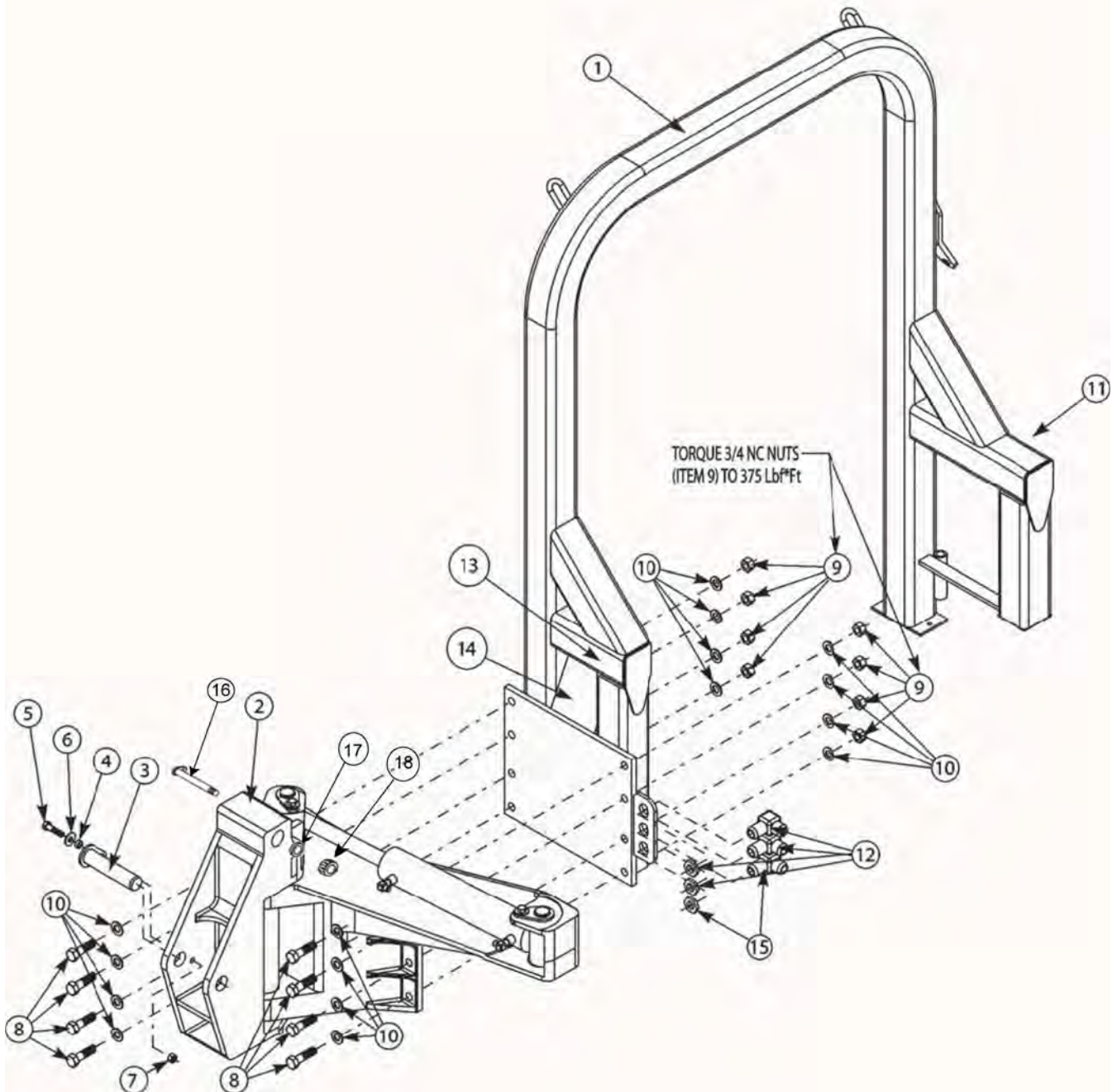
WIRE HARNESS, FAN CONT, HELLA RELAY



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

SECTION 80 FRAMES

HIGH FRAME MOUNT ASY - 2WD

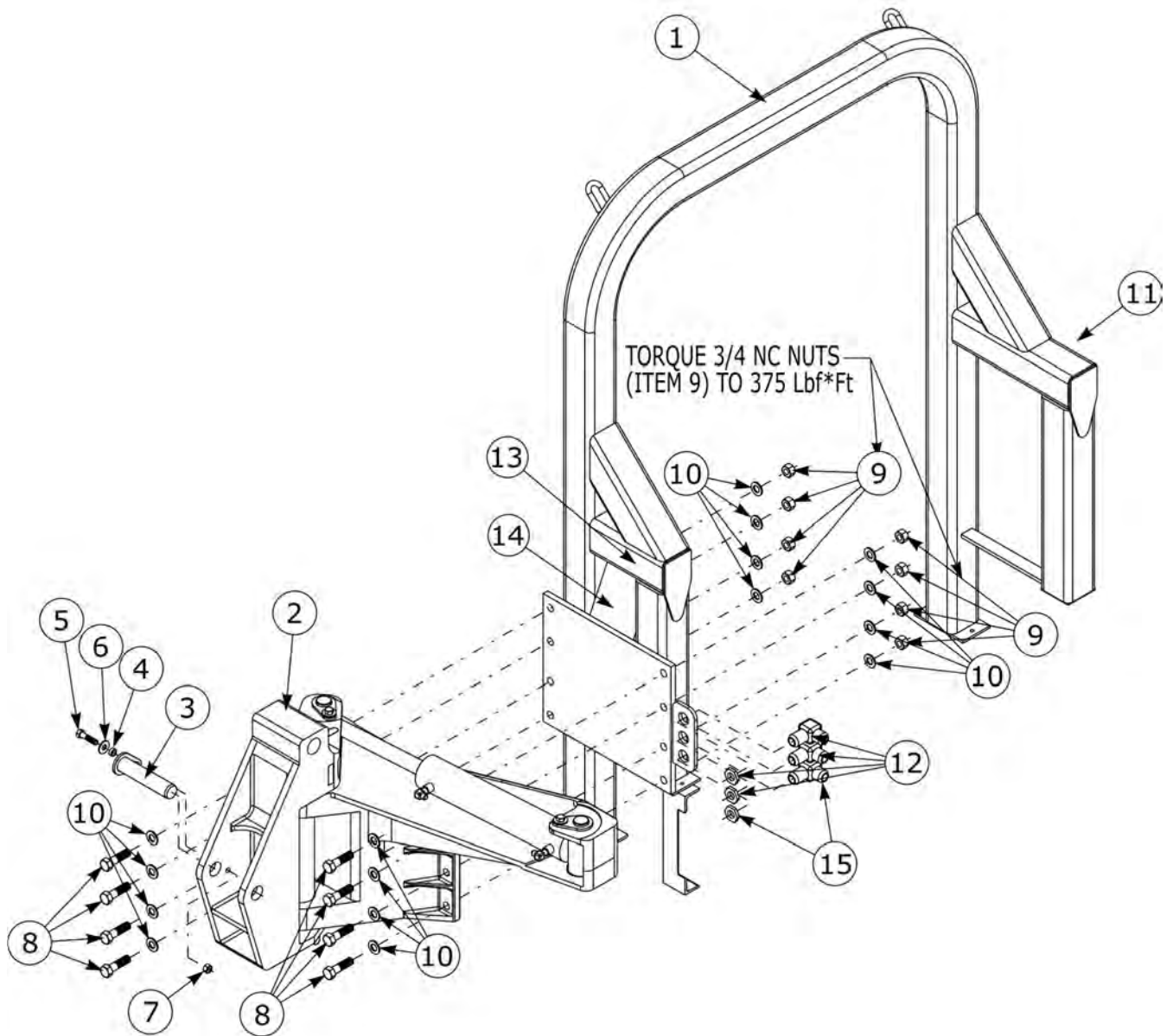


HIGH FRAME MOUNT ASY - 2WD

Continued...

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

HIGH FRAME MOUNT ASY - 4WD

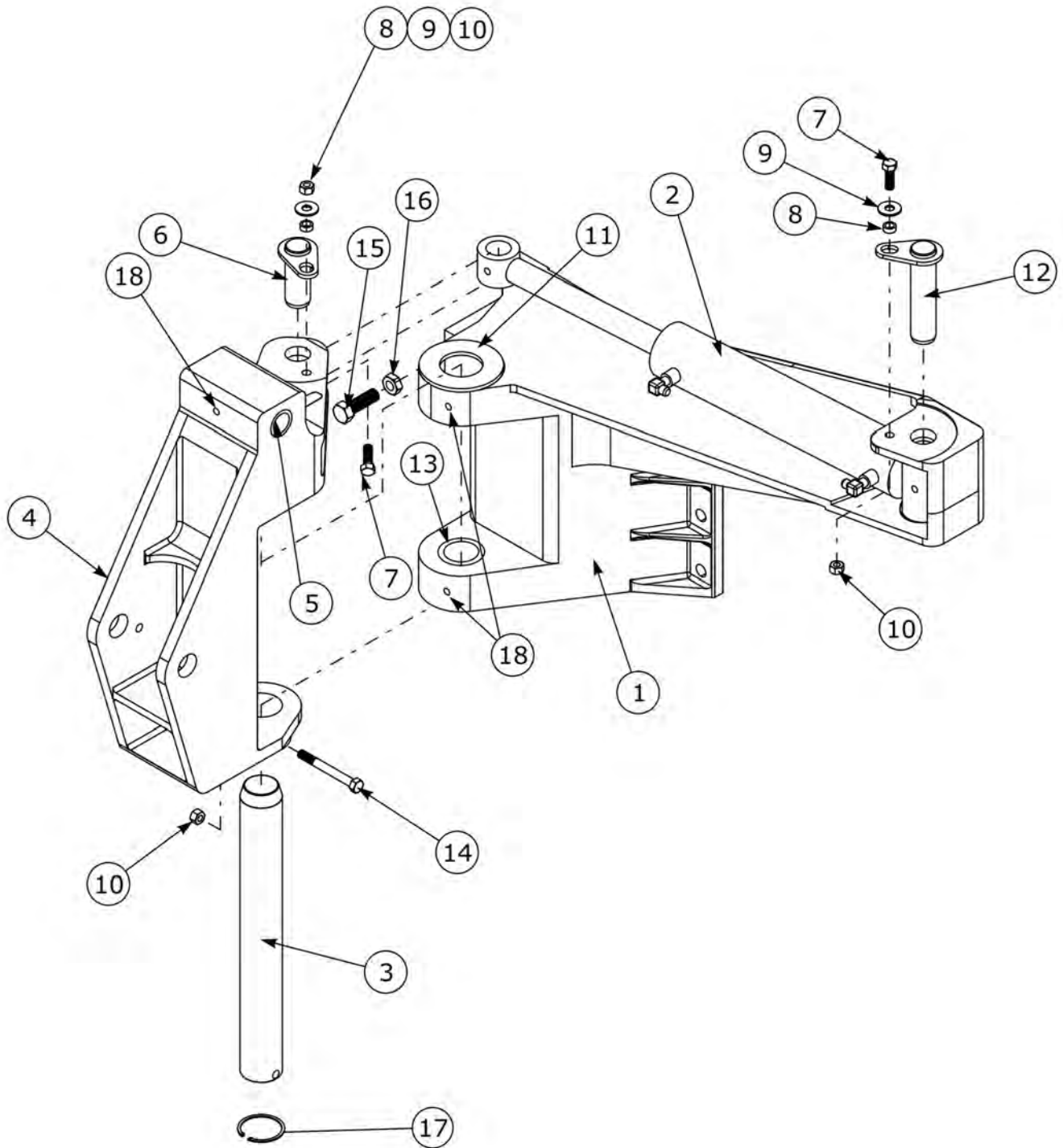


HIGH FRAME MOUNT ASY - 4WD

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02987979	1	ASY HIGH FRAME 4WD
1	02987980	1	WLDMT HIGH FRAME 4WD
2	02978000	1	SUB-ASSEMBLY KINGPOST FRAME
3	02978461	1	WLDMT PIN 1-1/2 OD X 6-3/4 LG
4	02975596	1	TUBE SPACER 3/4 OD X .51 ID X
5	00013300	1	HEXB 1/2 NC 2 PL5
6	00002700	1	FLATWASHER 1/2 PL STD
7	00001800	1	LOCKNUT TLM 1/2 NC PLC
8	02960521	8	HHCS 3/4 NC 2-3/4 PL8
9	00037200	8	NUT 3/4-NC TOPLOCK GRC PL
10	5312316	16	WASHER, 3/4" HARDENED
11	00725746	1	DECAL, PELIGRO
12	02742500	2	ADP HYD ELBOW 16MJ-16MJ90 BKHD
13	02962765	1	DECAL-MULTIPLE HAZARD
14	02965262	1	DECAL-,WARNING OIL LEAK
15	02742400	1	ADP HYD ELBOW 12MJ-12MJ90 BKHD
	02971703	1	WELDMENT, PIN - 14-15/16LG
	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
	02971701	1	NUT SLOT 1-3/8 12NF PLB
	165020	1	PIN, COTTER 5/16 X 2-1/2 PL

HIGH FRAME MOUNT SUB-ASY



HIGH FRAME MOUNT SUB-ASY

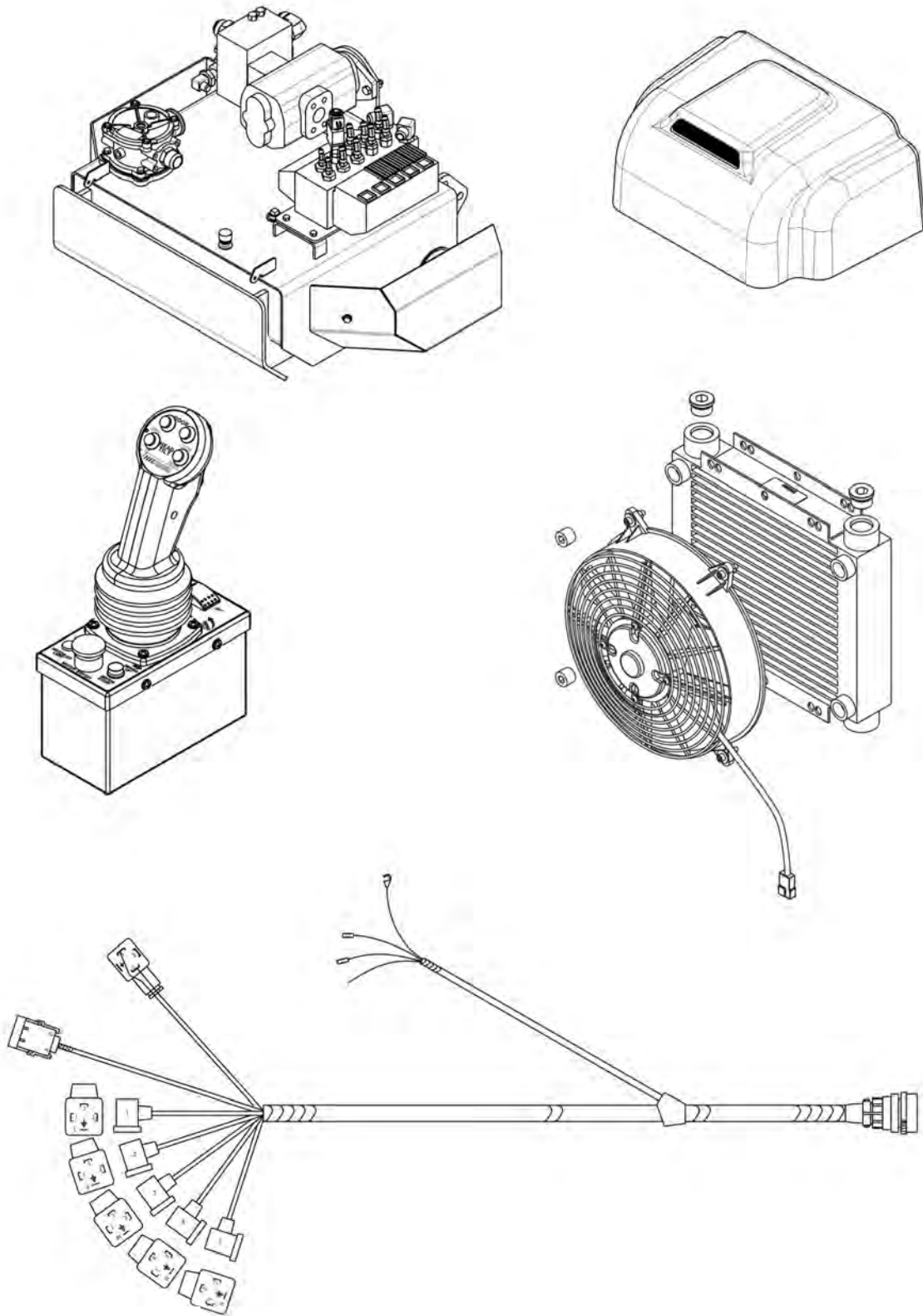
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ITEM	PART NO.	QTY.	DESCRIPTION
	02978000	1	SUB-ASSEMBLY KINGPOST FRAME
1	02988178	1	KIT, GREASABLE, KINGPOST MOUNT
2	02968840	1	ASY,SWING CYL GREASEABLE
3	02990311	1	PIN, KING, LONG, FATIGUE PROOF
4	02988179	1	KIT, GREASABLE, KINGPOST
5	02987739	2	BUSHING CONNEX 1-3/4 X1 -1/2X3
	02968803	3	BSHG TF 1-3/4OD X 1-1/2ID X 2
6	02978477	1	WLDMT PIN 1-1/2 X 3-9/16 LG
7	00748823	2	HHCS 1/2-13UNC 1-1/2 PL5
8	02975596	2	TUBE SPACER 3/4 OD X .51 ID X .25 LG
9	00002700	2	FLATWASHER 1/2 PL STD
10	00001800	3	LOCKNUT TLM 1/2 NC PLC
11	02966088	1	WASHER,THRUST-5OD X 2-9/16ID
12	02978461	1	WLDMT PIN 1-1/2 OD X 6-3/4 LG
	02908804	2	BSHG TF-2-3/4OD X 2-1/2ID X 2
13	02989883	2	BUSHING 2.5IDx3.0ODx2.0LG (CHECK BUSHING SIZE BEFORE ORDERING)
	02987636	2	BUSHING CONNEX 2-3/4 X2 -1/2X2 (PROVIDE PART NUMBER AND DESCRIPTION)
14	02956765	1	HHCS 1/2 NC 4-1/2 PL8
15	02963646	1	HHCS 3/4 NC 2-1/2 PL8
16	02023900	1	NUT 3/4 NC HEX PL JAM
17	02975429	1	SNAP RING INTERNAL 2.775 DIA X
18	00752670	3	FITTING,GREASE STRAIGHT 1/4-28

NOTE: TEFLON BUSHINGS ARE STILL AVAILABLE FOR NON GREASEABLE KING POST AND KING POST MOUNTING.

SECTION 90 ACCESSORIES

COMMON CRATE COMPONENTS - ELECTRO



COMMON CRATE COMPONENTS - ELECTRO

Continued...

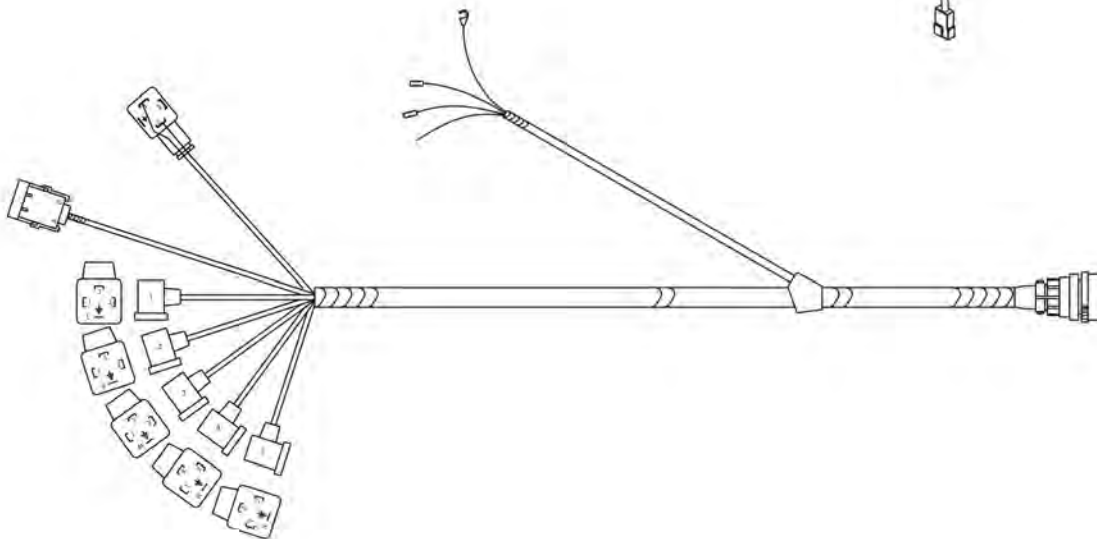
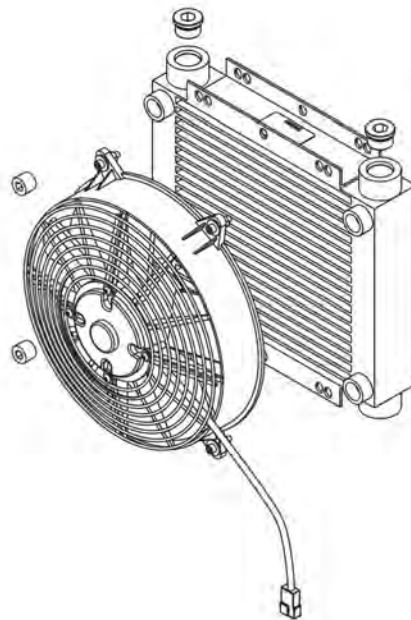
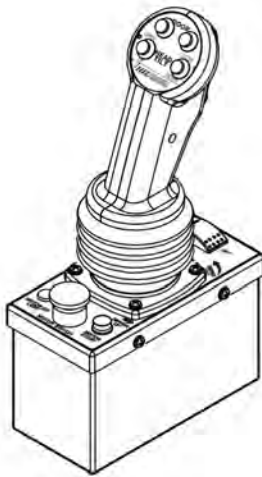
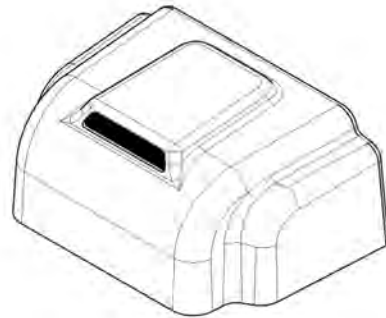
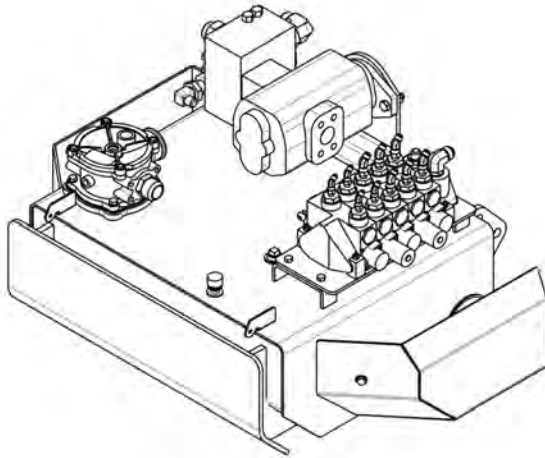
ITEM	PART NO.	QTY.	DESCRIPTION
	002369	1	DECAL,DANGER-MULTI HAZARD
	002508	1	DECAL,ALAMO LOGO (SQUARE)
	00749101	1	SPLIT FLANGE KIT 1-1/2
	00749508	2	PLUG 1/2-14 NPT
	00776031	1	CANISTER, PARTS MANUAL
	02090800	1	ADP HYD ELBOW 12MB-12MJ90
	02753400	2	PLASTIC TIE 15 LG UV BLACK
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02960409	2	ADP TUBE ELBOW 20MJ-20FJX 90°
	02966639	8	BAR,MOUNT STRAP
	02966641	4	BAR-MOUNT ANGLE
	02966874	1	BOOT,CABLE
	02970116	2	TUBE,FRAME MOUNTING
	02975004	1	MOUNT TIE ROD
	02981377	1	COOLER, OIL/AIR W/FAN
	02981381	1	ASY, PUMP COVER
	02981383	1	MOUNT, COOLER, RH
	02981384	1	MOUNT, COOLER, LH
	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02981953	2	HANGER, FORMED, HOSE
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983489	1	DECAL, JOYSTICK CONTROL, AXTR
	02984735	1	ASY, HARNESS, MACHETE
	02986111	1	CABLE, PUMP COVER 36" LG
	02986130	1	CABLE, MANUAL CANISTER, 24" LG
	02986949	1	BOLT BAG ELECTROHYD BOOMS
	02987499	1	PACKET, INST DWGS AND DECALS
	02987521	1	ASY, TANK, ELECVALVE, SAMURAI
	02987703	1	PLATE, AUXILARY VALVE
	02987705	1	BAR,MOUNT STRAP 4-1/2"
	02987817	1	BOOM TO FRAME HOSE BUNDLE
	02987829	1	ASSEMBLY JOYSTICK CONSOLE
	02986950A	1	ASY, SAMURAI OPS & PARTS
	02986950C	1	MAN,SAMURAI OPS
	02986950CA	1	ASSEMBLY CANISTER MANUAL
	02993069	1	HARNESS, FAN CONT, HELLA RELAY
	02959924	1	NUT,LOCK TLM 1/4-20 NC PLB
	02964135	1	ADP HYD STGHT 12MB-12FJX
	02929300	1	ADP HYD STGHT 12MJ-12FJX90

02986950P - Samurai HF (12-08)_03-21

COMMON CRATE COMPONENTS - ELECTRO WITHOUT FRONT TANK PN 02995537

ITEM	PART NO.	QTY.	DESCRIPTION
1	02984735	1	ASY, HARNESS, DANFOSS VALVE
2	02986949	1	BOLT BAG, SAMURAI ELECTRO
3	00776031	1	CANISTER, PARTS MANUAL
4	02986130	1	CABLE, MANUAL CANISTER, 24" LG
5	02970116	2	TUBE,FRAME MOUNTING
6	02966639	6	BAR,MOUNT STRAP
7	02975004	1	MOUNT TIE ROD
8	02986950A	1	ASY, SAMURAI OPS & PARTS
9	02986950CA	1	ASY CANISTER MANUAL SAMURAI
10	02987499	1	PACKET, INST DWGS AND DECALS
11	02987705	2	BAR,MOUNT STRAP 4-1/2"
12	02987829	1	ASY JSTK CONSOLE DANFOSS VALVE
13	02987981	1	ADAPTER, HARNESS
14	02995538	1	KIT, HYDRAULIC, SAM1.8 ELEC
15	02996646	1	RUBBER GROMMET, 2-1/4" HOLE
16	02994805	1	HOSE #24-24FJX-BLANK-240LG
17	02993054	1	HOSE #20-20FJX-BLANK-276LG
18	02993058	1	HOSE BARB #20 HOSE - #20FJX
19	02960409	1	ADP TUBE ELBOW 20MJ-20FJX 90°
20	02983438	1	ADP HYD TUBE ELBOW 24FL-24MJ45
21	02991479	1	HOSE 12-12FJX-12FJX90-30LG
22	00749101	1	SPLIT FLANGE KIT 1-1/2
23	02987817	1	BOOM TO FRAME HOSE BUNDLE
24	02958858	2	ADP TUBE ELBOW 16MJ-16FJX 90DG
25	02959154	1	ADP HYD ELBOW 16MJ -16FJX 45
26	02753400	2	PLASTIC TIE 15 LG UV BLACK
27	02987740	1	CORDURA SLEEVE, 3.66ID, 48LG
28	02995540	1	BOLT BAG, HYD KIT, SAM1.8 ELEC
29	02993383	1	HOSE CLAMP, T-BOLT, 1-7/8

COMMON CRATE COMPONENTS - MANUAL



COMMON CRATE COMPONENTS - MANUAL

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	00749101	1	SPLIT FLANGE KIT 1-1/2
	00749508	2	PLUG 1/2-14 NPT
	00776031	1	CANISTER, PARTS MANUAL
	02090800	1	ADP HYD ELBOW 12MB-12MJ90
	02753400	5	PLASTIC TIE 15 LG UV BLACK
	02906100	1	HOSE #8 - 8FJX - 8FJX90- 32LG
	02958858	2	ADP TUBE ELBOW 16MJ-16FJX 90DG
	02959154	2	ADP HYD ELBOW 16MJ -16FJX 45
	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
	02964028	1	SWITCH PUSH-PULL SPDT 10A@12V
	02966639	6	BAR,MOUNT STRAP
	02966874	1	BOOT,CABLE
	02970116	2	TUBE,FRAME MOUNTING
	02971274	5	KIT,CABLE CONNECTION-V20 VALVE
	02975004	1	MOUNT TIE ROD
	02981377	1	COOLER, OIL/AIR W/FAN
	02981381	1	ASY, PUMP COVER
	02981383	1	MOUNT, COOLER, RH
	02981384	1	MOUNT, COOLER, LH
	02981441	2	KNOB 3/8NC X 1-1/2 STUD
	02981810	5	LEVER SHORT SNGL AXIS CONTROL
	02981953	2	HANGER, FORMED, HOSE
	02982922	1	WIRE HARENESS, MANUAL, AXTREME
	02983212	1	HOSE #12-12FJX-12FJX90-30LG
	02983408	1	DECAL, LEVER CONTROL, AXTREME
	02986111	1	CABLE, PUMP COVER 36" LG
	02986130	1	CABLE, MANUAL CANISTER, 24" LG
	02986857	1	BOLT BAG, SAMURAI & M2
	02987499	1	PACKET, INST DWGS AND DECALS
	02987518	1	ASY, TANK, MAN VALVE, SAMURAI
	02987703	1	PLATE, AUXILARY VALVE
	02987705	1	BAR,MOUNT STRAP 4-1/2"
	02987817	1	BOOM TO FRAME HOSE BUNDLE
	02986950A	1	ASY, SAMURAI OPS & PARTS
	02986950CA	1	ASSEMBLY CANISTER MANUAL
	02991236	-	HOSE 12-12FJX-12FJX90-36LG
	02993069	1	HARNESS, FAN CONT, HELLA RELAY
	02959924	1	NUT,LOCK TLM 1/4-20 NC PLB
	02964135	1	ADP HYD STGHT 12MB-12FJX
	02929300	1	ADP HYD STGHT 12MJ-12FJX90

02986950P - Samurai HF (12-08)_03-21

COMMON CRATE COMPONENTS - MANUAL WITHOUT FRONT TANK PN 02995541

ITEM	PART NO.	QTY.	DESCRIPTION
1	02982922	1	WIRE HARNESS, MANUAL, AXTREME
2	02981953	2	HANGER, FORMED, HOSE
3	02986857	1	BOLT BAG, SAMURAI MANUAL
5	02986950CA	1	ASY CANISTER MANUAL SAMURAI
6	02986950A	1	ASY, SAMURAI OPS & PARTS
7	02964028	1	SWITCH, PUSH-PULL, W/ KNOB
8	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
9	02983408	1	DECAL, LEVER CONTROL, AXTREME
10	02981810	5	LEVER SHORT SNGL AXIS CONTROL
11	02966874	1	BOOT,CABLE
12	02995542	1	KIT, HYDRAULIC, SAM1.8 MAN
13	02970116	2	TUBE,FRAME MOUNTING
14	02986130	1	CABLE, MANUAL CANISTER, 24" LG
15	02966639	6	BAR,MOUNT STRAP
16	02975004	1	MOUNT TIE ROD
17	02987499	1	PACKET, INST DWGS AND DECALS
18	02971274	5	KIT,CABLE CONNECTION-V20 VALVE
19	02753400	5	PLASTIC TIE 15 LG UV BLACK
20	02988847	1	SCHEMATIC, HYD, SAM & AXT.
21	02991010	1	INSERT, AXT2/SAM, LEVER, INFO
22	02987705	2	BAR,MOUNT STRAP 4-1/2"
23	02994805	1	HOSE #24-24FJX-BLANK-240LG
24	02993054	1	HOSE #20-20FJX-BLANK-276LG
25	02993058	1	HOSE BARB #20 HOSE - #20FJX
26	02960409	1	ADP TUBE ELBOW 20MJ-20FJX 90°
27	02983438	1	ADP HYD TUBE ELBOW 24FL-24MJ45
28	02983212	2	HOSE #12-12FJX-12FJX90-28LG
29	00749101	1	SPLIT FLANGE KIT 1-1/2
30	02987817	1	BOOM TO FRAME HOSE BUNDLE
31	02958858	2	ADP TUBE ELBOW 16MJ-16FJX 90DG
32	02959154	1	ADP HYD ELBOW 16MJ -16FJX 45
34	02987740	1	CORDURA SLEEVE, 3.66ID, 48LG
35	02995544	1	BOLT BAG, HYD KIT, SAM1.8 MAN
36	02993383	1	HOSE CLAMP, T-BOLT, 1-7/8



TO THE OWNER/OPERATOR/DEALER

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

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

REQUIRED OF THE OWNER

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

REQUIRED OF THE OPERATOR

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



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



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



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

ALAMO INDUSTRIAL

Limited Warranty

1. Limited Warranties

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

2. Remedies And Procedures

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

3. Limitation Of Liability

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

4. Miscellaneous

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

Keep for your records

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

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

Attention:
Read your operator's manual



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



BUILT SHARPER®

An Alamo Group Company

1502 E. Walnut St.
Seguin, Texas 78155



Sales and Marketing

Tel 800.882.5762

Fax 830.379.0864

support@alamo-industrial.com

Warranty Registration/Claims

www.alamoparts.com

Return Authorizations

Online Part Orders

Technical Information

www.alamoparts.com

Tel 800.356.6286

Fax 800.322.5141

www.alamo-industrial.com

