

Rev 10-19

17, 21 & 24 Boom

Part No. 02968915P

## 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	
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

Bolt Diameter	Proper Torque Values for Metric Bolts			
	Head Marking 4.6	Head Marking 8.8 or 9.8	Head Marking 10.9	Head Marking 12.9
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!



## WARRANTY INFORMATION:

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

# CHANGE PAGES

Date of Change	Page Number	Description of Change
04-03-2013	(EX:chg pages 17, 23, 137)	
04-03-2013	document release date	
05-15-2013	chg pg 25	
06-03-2013	chg pgs 146-148	
01-17-2014	chg pgs 56,58,60	
08-14-2014	chg pg 11	
01-25-2016	chg pgs 8, 11, 16	
02-17-2017	chg pgs 8-84	
03-27-2017	chg pg 92	
03-29-2017	chg pgs 116-124,	obs/alt 05.282.03 to 9100206
03-27-2018	chg pgs 26-28	
07-17-2018	chg pgs 43-45	added to bom
08-31-2018	chgpds 142	ns00827 updated bom
12-05-2018	ch pg 26	ecn 288352 updated bom
12-18-2018	chg pgs 26,41	
01-09-2019		ecn 28355 various bom updates
10-24-2019	chg pgs 26,41	ecn 28643 changed bom

## **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

## PART NAME INDEX

48 IN FLAIL AXE - STD KNIVES - PN 02957655M.....	6
48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243.....	8
48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243 M48 01558 TO CURRENT.....	11
48 IN FLAIL AXE HEAD ASY (PART 1) - PN 02970300.....	14
48 IN FLAIL AXE HEAD ASY (PART 2) - PN 02970300.....	16
50 IN ROTARY BLADE PAN ASY - PN 02964457.....	18
50 IN BOOM AXE HEAD ASSEMBLY PN 02980202.....	20
50 IN BOOM AXE HEAD SUB ASSEMBLY PN 02980202.....	22
50 IN MOTOR & SPINDLE ASY.....	24
50 IN MOTOR ASY - PARTS - PN 02979881.....	26
50 IN SPINDLE ASY - PN 02960553B.....	28
60 IN BLADE BAR ASY - PN 02969230.....	30
60 IN DOOR CYL ASY - PN 02961480A.....	31
60 IN HEAD ASY - SN 02050 & DOWN.....	33
60 IN HEAD ASY - SN 02051 & UP.....	35
60 IN HEAD SUB-ASY - SN 02050 & DOWN.....	37
60 IN HEAD SUB-ASY - SN 02051 & UP.....	39
60 IN MOTOR ASY - PARTS - SN 02051 - PN 02979881.....	41
60 IN SPINDLE ASY - PN 02968859A.....	43
BOOM ASY - 17 FT (STD STEEL) - PN 02979902.....	45
BOOM ASY - 17 FT (OPT ALLOY STEEL) - PN 02980034.....	47
BOOM ASY - 21 FT (STD STEEL) PN02968801.....	49
BOOM ASY - 21 FT (OPT ALLOY STEEL) PN 02970852.....	51
BOOM ASY - 24 FT (STD STEEL) - PN 02968861.....	53
BOOM ASY - 24 FT (OPT ALLOY STEEL) (PART1) - PN 02970853.....	55
BOOM ASY - 24 FT (OPT ALLOY STEEL) (PART 2) - PN 02970853.....	57
BOOM HOSE SCHEMATIC - 17 FT BOOM ARM.....	58
BOOM HOSE SCHEMATIC - 21 FT BOOM ARM.....	60
BOOM HOSE SCHEMATIC - 24 FT BOOM ARM.....	62
BUZZBAR ASY - 48 IN (PART 1) - PN 02979265.....	64
BUZZBAR ASY - 48 IN (PART 2) - PN 02979265.....	66
BUZZBAR ASY - 48 IN (PART 3) - PN 02979265.....	68
BUZZBAR ASY - 69 IN (PART 1) - PN 02979249.....	70
BUZZBAR ASY - 69 IN (PART 2) - PN 02979249.....	72
BUZZBAR ASY - 69 IN (PART 3) - PN 02979249.....	74
BUZZBAR ASY - 90 IN (PART 1) - PN 02974203.....	76
BUZZBAR ASY - 90 IN (PART 2) - PN 02974203.....	78
BUZZBAR ASY - 90 IN (PART 3) - PN 02974203.....	80
BUZZBAR MOTOR ASSEMBLY.....	82
BUZZBAR SPINDLE ASY - SN BB-01219.....	84

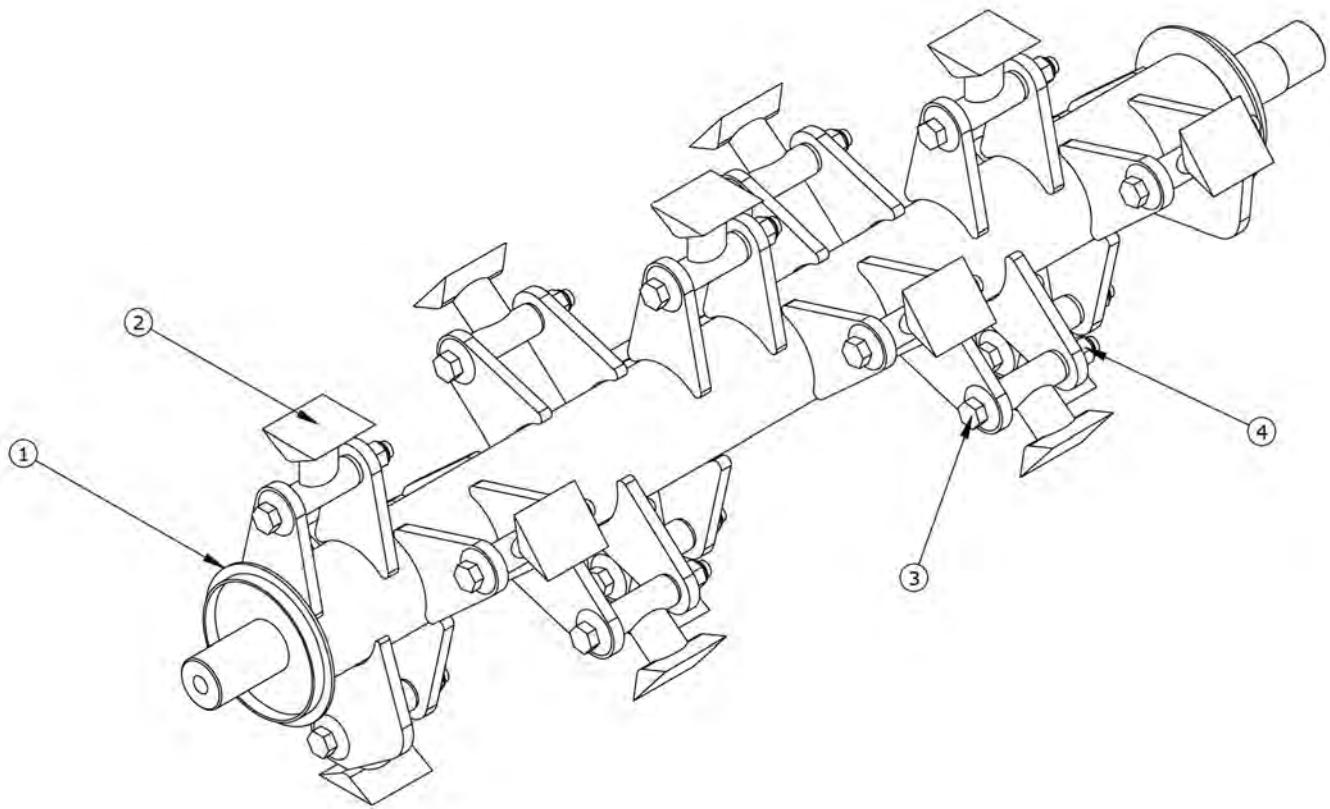
## PART NAME INDEX

DITCHER - BLADE CARRIER ASY.....	85
DITCHER - HOUSING ASY.....	86
DITCHER - SPINDLE ASY.....	88
DITCHER BLADE HEAD ASY - ROUGH CUT.....	90
DITCHER HEAD ASY - (NEW STYLE).....	92
DITCHER HEAD ASY - (OLD STYLE).....	94
DITCHER HEAD DEFLECTOR CYLINDER.....	96
FILTER ASY - PN 02976066.....	98
FILTER ASY - PN 02985280.....	100
FLAIL AXE - DOOR CYL ASY - PN 02970710A.....	101
FLAIL AXE - HOSE CONNECTIONS.....	102
FML100H FLAIL - HEAD ASY (PART 1).....	104
FML100H FLAIL - HEAD ASY (PART 2).....	106
FML100H FLAIL - HEAD ASY (PART 3).....	108
FML100H FLAIL - SPINDLE ASY - PN 02969661.....	110
GRASS FLAIL - CUTTERSHAFT ASY.....	111
GRASS FLAIL - CUTTERSHAFT BRGS.....	112
GRASS FLAIL - HEAD ASY PN 02972460.....	114
GRASS FLAIL - HEAD SUB-ASY.....	116
GRASS FLAIL - PULLEY ASY.....	118
GRASS FLAIL - ROLLER ASY.....	120
HIGH FRAME ASY - 2 WD & 4 WD.....	122
HYD CYL ASY - DIPPER - PN 02967174A (21 & 24 FT).....	124
HYD CYL ASY - DIPPER - PN 02979920 (17 FT).....	125
HYD CYL ASY - LIFT - PN 02967173A.....	126
HYD CYL ASY - SWING - PN 02967172A.....	127
HYD CYL ASY - TILT - PN 02967175A.....	128
HYD LOCK VALVE SOLENOID ASY - PN 02972208 (OLD STYLE).....	129
HYD LOCK VALVE SOLENOID ASY - PN 02972208A (NEW STYLE).....	130
HYD TANK ASY - PN 02976712 (OCFD) & PN 02976765 (CCLS).....	132
HYD TANK SUB-ASY - PN 02976767.....	134
JOYSTICK CONSOLE ASY.....	136
KING POST SUB-ASY.....	138
MOUNTING COMPONENTS - COMMON BOX (PART 1).....	140
MOUNTING COMPONENTS - COMMON BOX (PART 2).....	142
MOUNTING COMPONENTS - COMMON BOX (PART 3).....	144
PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 1)- PN 02969527A.....	146
PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 2)- PN 02969527A.....	148
TIMBERCAT - HEAD ASY (PART 1).....	150

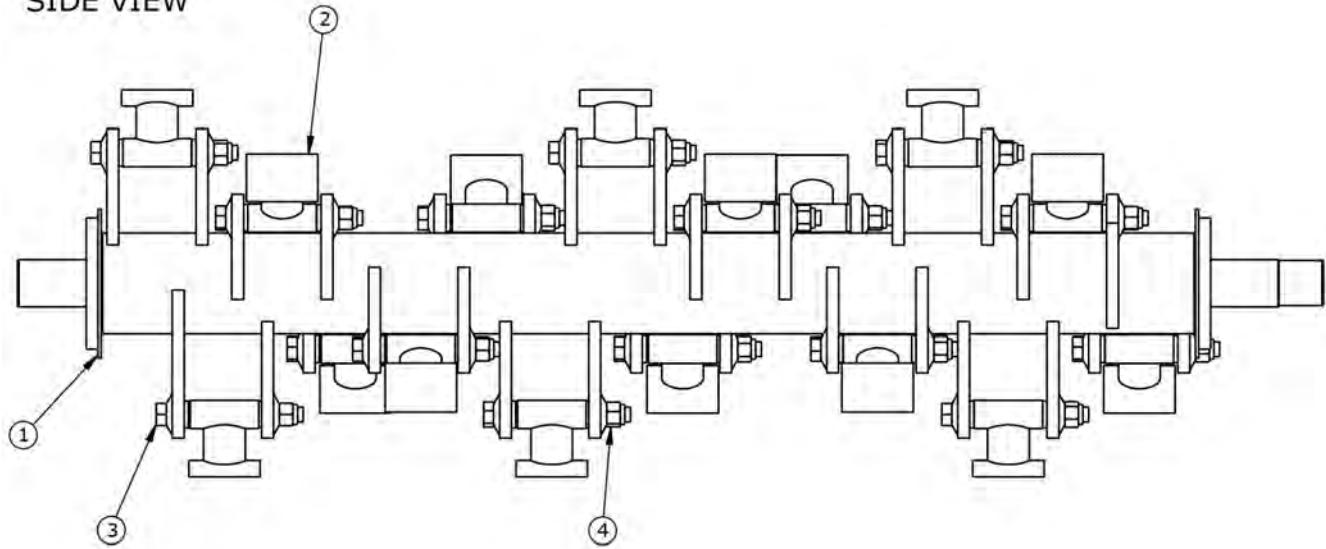
## PART NAME INDEX

TIMBERCAT - HEAD ASY (PART 2).....	152
VALVE - PARTS - OPEN & CLOSED CENTER.....	154
VALVE ASY - 5 SPOOL (CCLS).....	156
VALVE ASY - 5 SPOOL (OCFD).....	158

48 IN FLAIL AXE - STD KNIVES - PN 02957655M



SIDE VIEW

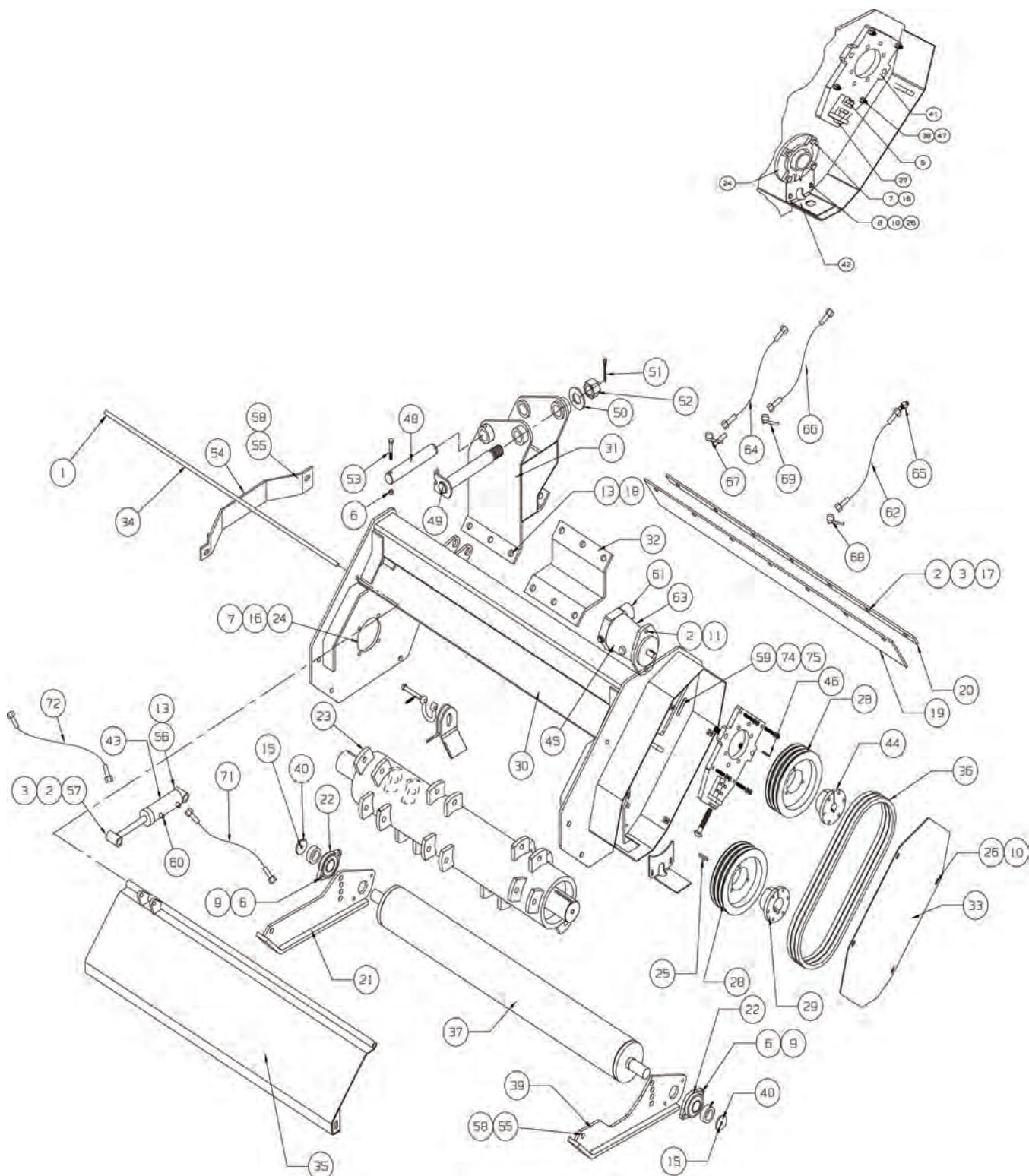


## 48 IN FLAIL AXE - STD KNIVES - PN 02957655M

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
1	02957655	1	WLDMT FLAIL ROTOR
2	02958540	1	KIT - BLADE, FLAIL AXE
3	02956949	16	HHCS HANGER BOLT PER DWG
4	02991279	16	TOP LOCKNUT NYLON 5/8 NC PL8
0	02956943	32	BUSHING

48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243



ITEM	PART NO.	QTY.	DESCRIPTION
1	02956768	2	PIN ROLL 5/32X1

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243

**Continued...**

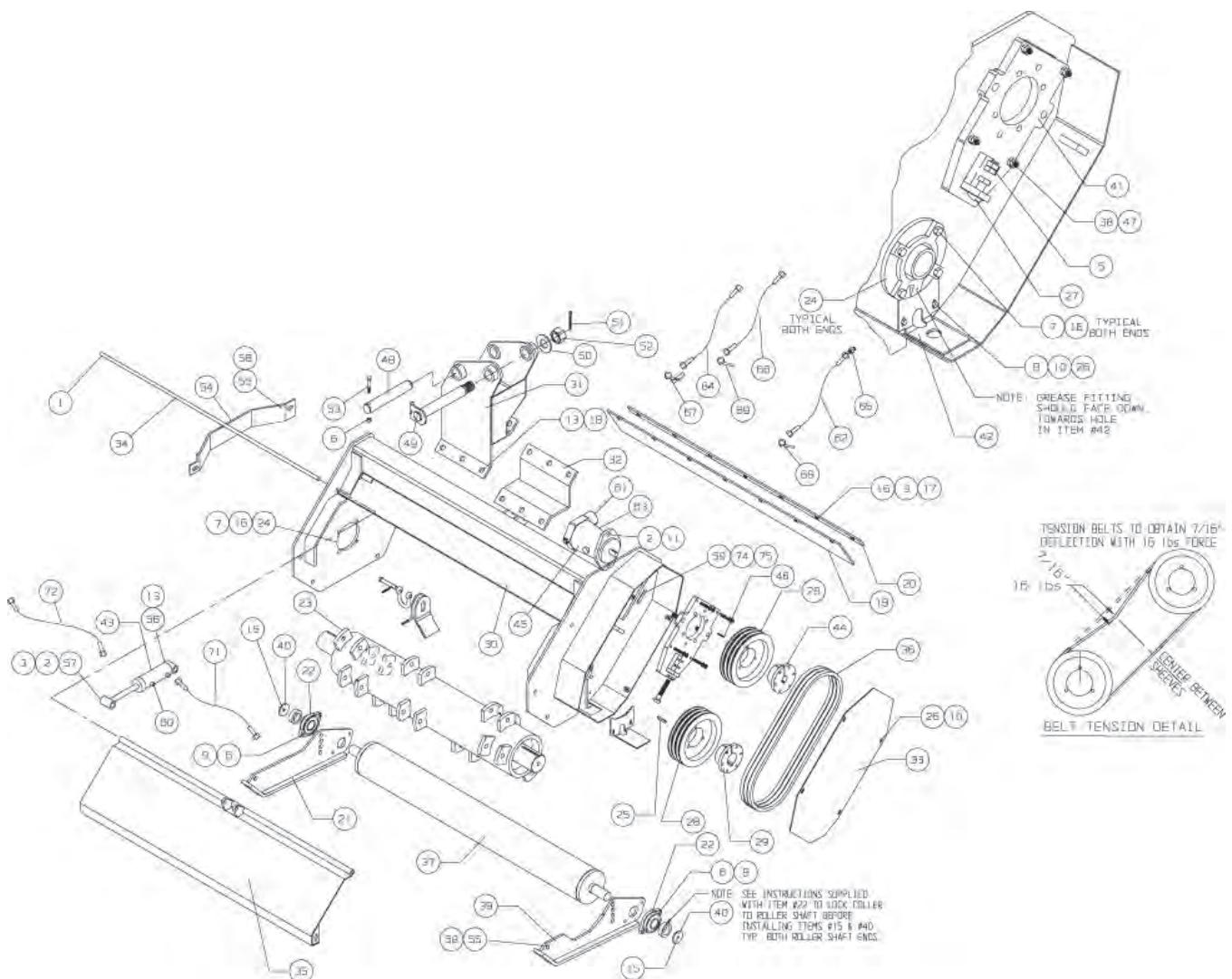
ITEM	PART NO.	QTY.	DESCRIPTION
2	00749138	12	NUT,1/2NF CENTERLOCK
3	00002700	17	FLATWASHER 1/2 PL STD
5	00013500	3	NUT JAM HEX 5/8 NC PL
6	00015800	5	LOCKNUT TLM 3/8-NC PLC
7	02892000	8	HHCS, 1/2"-13 NC x 1-1/2" PL8
8	10119000	2	HEXB 5/16 X 1 NC GR5
9	000644	4	CARB 3/8 NC 1-1/4 PL5
10	00023500	6	FLATWASHER 5/16 PL
11	00013300	2	HHCS 1/2 NC X 2 GR.5 PL
13	00037200	7	NUT,HEX TOPLOCK 3/4 NC GR.C PL
15	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
16	00001800	8	LOCKNUT TLM 1/2 NC PLC
17	00001880	7	HHCS 1/2 NF 1-1/2 PL5
18	02918600	6	HEXB 3/4-10UNC 2 PL8
19	02956712	1	RUBBER FLAP 6 X 48-1/2
20	02956712	1	RUBBER FLAP 6 X 48-1/2
21	02956748	1	WLDMT, SKID SHOE
22	02957041	2	ROLLER BEARING AND FLANGE
23	02989696	1	ASY, CTRSHFT, SHD, E.S. KNIVES
24	02958131A	2	FLANGE BEARING ASY 2 BORE
25	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
26	00750940	6	LOCKNUT TLM 5/16 NC PLB
27	03200925	1	CARB 5/8-11UNC 3LG PL5
28	02967325	2	PULLEY, 3G5V-8.50 DIA.
29	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
30	02994073	1	WLDMNT, HOUSING, F/AXE 48"
31	02976149	1	WLDMT HITCH POST
32	02970324	1	PLATE,HITCH POST CLAMP
33	02970325	1	PLATE,COVER,BELT & PULLEY
34	02970326	1	ROD,HINGE,F/A DOOR
35	02970465	1	WELDMENT,DOOR, FLAIL AXE
36	02970539	3	V-BELT
37	02970540	1	WELDMENT,ROLLER
38	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
39	02970585	1	WELDMENT,SKID SHOE
40	02970586	2	WASHER,2OD,7/16 ID X 3/16
41	02973256	1	WLDMT MOTOR MOUNT W/O STUDS
42	02970709	1	PLATE,INSIDE PLATE
43	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
44	02970725	1	HUB QD-SF 1-1/8DIA.BORE
45	02970763	1	MOTOR,PISTON-2.48 CU.IN./REV

## 48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
46	03200521	1	STEP KEY 1/4 X 5/16
47	23504500	8	NUT, JAM 3/8 NF PLB
48	02971756	1	PIN, 1-1/2 X 9 CHROME
49	02971720	1	WELDMENT, PIN - 11-1/2LG
50	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
51	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
52	02971701	1	NUT SLOT 1-3/8 12NF PLB
53	02970595	1	HHCS 3/8 NC 2-3/4 PL8
54	02972442	1	GUARD,BEARING
55	00008300	6	HHCS 5/8 NC 1-3/4 PL5
56	00003300	1	HEXB 3/4 NC 4 PL5
57	00764375	1	HHCS 1/2NC X 3-1/4 PL5
58	00695100	6	NUT, TOPLOCK 5/8 NC PLC
59	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
60	02960018	2	ADP HYD ELBOW 4MB-4MJ90
61	02043600	2	ADP HYD ELBOW 16MB -16MJ 45
62	02837800	1	HOSE #8 - 8FJX - 8FJX - 60LG
63	00696800	1	ADP HYD STGHT 8MB - 8MJ
64	02968874	1	HOSE #16-16FJX-16FJX-60LG
65	02968874	1	HOSE #16-16FJX-16FJX-60LG
66	02969564	1	HOSE #16-16FJX -16FJX - 60LG
67	02968894	1	VINYL TAPE RED 1/2" WIDE
68	02991249	1	VINYL TAPE GREEN 1/2" WIDE
69	02968896	1	VINYL TAPE BLUE 1/2" WIDE
71	02981006	1	HOSE #4 - 4FJX - 4FJX -107LG
72	02981007	1	HOSE #4 - 4FJX - 4FJX -107LG
73	00900265	0.98	PAINT,TEXAS YELLOW
74	00001400	2	FLATWASHER 5/8 PL STD
75	00010300	2	WASHER,LOCK 5/8 GR8 - YDP

**48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243 M48 01558 TO CURRENT**



ITEM	PART NO.	QTY.	DESCRIPTION
1	02956768	2	PIN ROLL 5/32X1
2	00749138	12	NUT,1/2NF CENTERLOCK
3	00002700	17	FLATWASHER 1/2 PL STD
5	00013500	3	NUT JAM HEX 5/8 NC PL
6	00015800	5	LOCKNUT TLM 3/8-NC PLC
7	02892000	8	HHCS, 1/2"-13 NC x 1-1/2" PL8
8	10119000	2	HEXB 5/16 X 1 NC GR5
9	000644	4	CARB 3/8 NC 1-1/4 PL5
10	00023500	6	FLATWASHER 5/16 PL
11	00013300	2	HHCS 1/2 NC X 2 GR.5 PL
13	00037200	7	NUT,HEX TOPLOCK 3/4 NC GR.C PL
15	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
16	00001800	8	LOCKNUT TLM 1/2 NC PLC
17	00001880	7	HHCS 1/2 NF 1-1/2 PL5

**48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243 M48 01558 TO CURRENT**

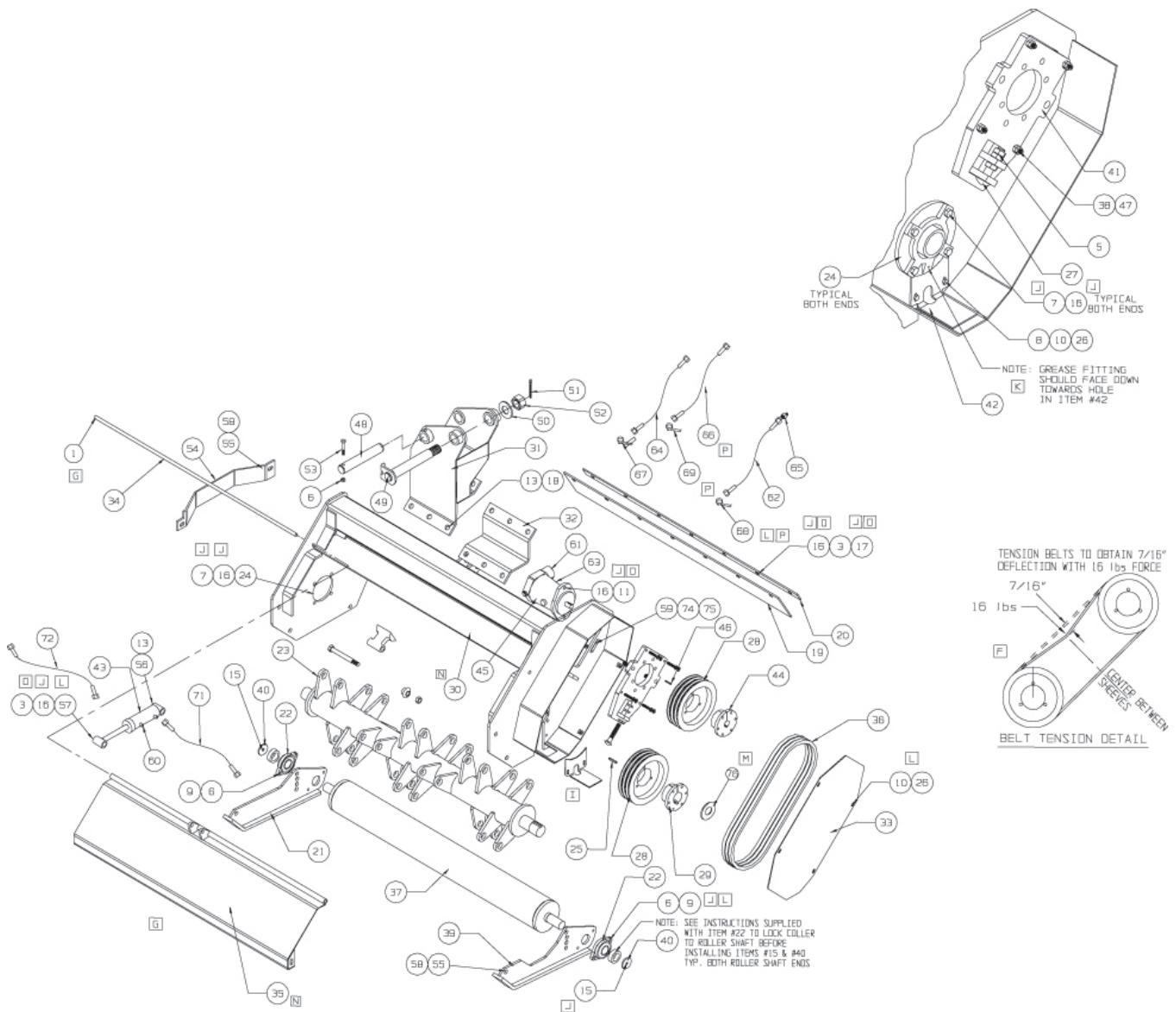
**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
18	02918600	6	HEXB 3/4-10UNC 2 PL8
19	02956712	1	RUBBER FLAP 6 X 48-1/2
20	02956712	1	RUBBER FLAP 6 X 48-1/2
21	02956748	1	WLDMT, SKID SHOE
22	02957041	2	ROLLER BEARING AND FLANGE
23	02989696	1	ASY, CTRSHFT, SHD, E.S. KNIVES
24	02958131A	2	FLANGE BEARING ASY 2 BORE
25	02958198	1	KEY 1/2 X 1/2 X 1 7/8LG
26	00750940	6	LOCKNUT TLM 5/16 NC PLB
27	03200925	1	CARB 5/8-11UNC 3LG PL5
28	02967325	2	PULLEY, 3G5V-8.50 DIA.
29	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
30	02994073	1	WLDMNT, HOUSING, F/AXE 48"
31	02976149	1	WLDMT HITCH POST
32	02970324	1	PLATE,HITCH POST CLAMP
33	02970325	1	PLATE,COVER,BELT & PULLEY
34	02970326	1	ROD,HINGE,F/A DOOR
35	02970465	1	WELDMENT,DOOR, FLAIL AXE
36	02970539	3	V-BELT
37	02970540	1	WELDMENT,ROLLER
38	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
39	02970585	1	WELDMENT,SKID SHOE
40	02970586	2	WASHER,2OD,7/16 ID X 3/16
41	02973256	1	WLDMT MOTOR MOUNT W/O STUDS
42	02970709	1	PLATE,INSIDE PLATE
43	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
44	02970725	1	HUB QD-SF 1-1/8DIA.BORE
45	02970763	1	MOTOR,PISTON-2.48 CU.IN./REV
46	03200521	1	STEP KEY 1/4 X 5/16
47	23504500	8	NUT, JAM 3/8 NF PLB
48	02971756	1	PIN, 1-1/2 X 9 CHROME
49	02971720	1	WELDMENT, PIN - 11-1/2LG
50	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
51	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
52	02971701	1	NUT SLOT 1-3/8 12NF PLB
53	02970595	1	HHCS 3/8 NC 2-3/4 PL8
54	02972442	1	GUARD,BEARING
55	00008300	6	HHCS 5/8 NC 1-3/4 PL5
56	00003300	1	HEXB 3/4 NC 4 PL5
57	00764375	1	HHCS 1/2NC X 3-1/4 PL5
58	00695100	6	NUT, TOPLOCK 5/8 NC PLC

**48 IN FLAIL AXE - SHD GRASS - ES KN PN 02991243 M48 01558 TO CURRENT****Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
59	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
60	02960018	2	ADP HYD ELBOW 4MB-4MJ90
61	02043600	2	ADP HYD ELBOW 16MB -16MJ 45
62	02837800	1	HOSE #8 - 8JFX - 8FJX - 60LG
63	00696800	1	ADP HYD STGHT 8MB - 8MJ
64	02968874	1	HOSE #16-16FJX-16FJX-60LG
65	02968874	1	HOSE #16-16FJX-16FJX-60LG
66	02993594	-	HOSE
67	02968894	1	VINYL TAPE RED 1/2" WIDE
68	02968896	1	VINYL TAPE BLUE 1/2
69	02968834	1	VINYL TAPE ORANGE 1/2
71	02981006	1	HOSE #4 - 4FJX - 4FJX -107LG
72	02981007	1	HOSE #4 - 4FJX - 4FJX -107LG
73	00900265	0.98	PAINT,TEXAS YELLOW
74	00001400	2	FLATWASHER 5/8 PL STD
75	00010300	2	WASHER,LOCK 5/8 GR8 - YDP

## 48 IN FLAIL AXE HEAD ASY (PART 1) - PN 02970300



ITEM	PART NO.	QTY.	DESCRIPTION
	02970300	1	FLAIL AXE (BELT DRIVEN), 48"
	02973565	1	FLAIL AXE (BELT DRIVE) W/GRASS
1	02956768	2	PIN ROLL 5/32X1
2	00749138	12	NUT,1/2NF CENTERLOCK
3	00002700	17	FLATWASHER 1/2 PL STD
5	00013500	3	NUT JAM HEX 5/8 NC PL
6	00015800	4	LOCKNUT TLM 3/8-NC PLC
7	02892000	8	HHCS, 1/2"-13 NC x 1-1/2" PL8
8	10119000	2	HEXB 5/16 X 1 NC GR5
9	000644	4	CARB 3/8 NC 1-1/4 PL5
10	00023500	6	FLATWASHER 5/16 PL

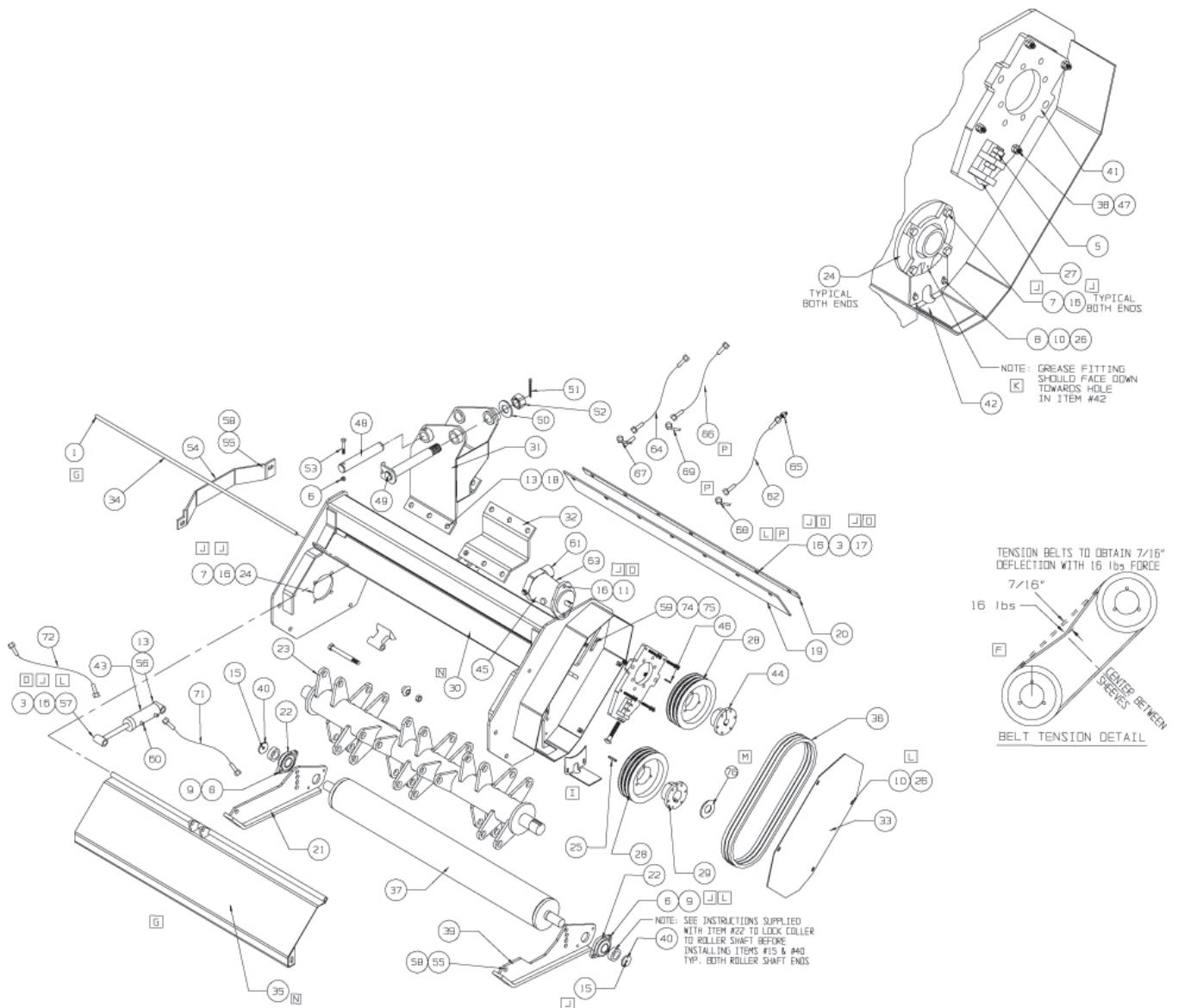
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 48 IN FLAIL AXE HEAD ASY (PART 1) - PN 02970300

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
11	00013300	2	HHCS 1/2 NC X 2 GR.5 PL
13	00037200	5	NUT,HEX TOPLOCK 3/4 NC GR.C PL
15	02972949	2	BOLT 3/8 NC GR8 X 1-1/4
16	00001800	8	LOCKNUT TLM 1/2 NC PLC
17	00001880	7	HHCS 1/2 NF 1-1/2 PL5
18	02918600	6	HEXB 3/4-10UNC 2 PL8
19	02956712	1	RUBBER FLAP 6 X 48-1/2
20	02956714	1	CLAMP BAR
21	02956748	1	WLDMT, SKID SHOE
22	02957041	2	ROLLER BEARING AND FLANGE
	02959935	2	CUTTERSHAFT ASSY-H/D GRASS
23	02957655M	1	ROTOR W/KNIVES (FLAIL AXE)
24	02958131A	1	FLANGE BEARING ASY 2 BORE
25	02958198	2	KEY 1/2 X 1/2 X 1 7/8LG
26	00750940	1	LOCKNUT TLM 5/16 NC PLB
27	03200925	2	CARB 5/8-11UNC 3LG PL5
28	02967325	1	PULLEY, 3G5V-8.50 DIA.
29	02967328	1	BUSHING,QD-HUB SF 1-15/16 DIA.
30	02970301	1	WELDMENT,FLAIL AXE HEAD
31	02976149	1	WLDMT HITCH POST
32	02970324	1	PLATE,HITCH POST CLAMP
33	02970325	1	PLATE,COVER,BELT & PULLEY
34	02970326	1	ROD,HINGE,F/A DOOR
35	02970465	1	WELDMENT,DOOR, FLAIL AXE
36	02970539	3	V-BELT
37	02970540	1	WELDMENT,ROLLER
38	02970583	4	SHSS 3/8-NF X 1-1/2 PL5
39	02970585	1	WELDMENT,SKID SHOE

## 48 IN FLAIL AXE HEAD ASY (PART 2) - PN 02970300



ITEM	PART NO.	QTY.	DESCRIPTION
40	02970586	2	WASHER,2OD,7/16 ID X 3/16
41	02973256	1	WLDMT MOTOR MOUNT W/O STUDS
42	02970709	1	PLATE,INSIDE PLATE
43	02970710A	1	HYD CYL 1-1/2BORE X 3-3/4
44	02970725	1	HUB QD-SF 1-1/8DIA.BORE
45	02970763	1	MOTOR,PISTON-2.48 CU.IN./REV
46	03200521	8	STEP KEY 1/4 X 5/16
48	02971756	1	PIN, 1-1/2 X 9 CHROME
49	02971720	1	WELDMENT, PIN - 11-1/2LG
50	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
51	165020	1	PIN, COTTER 5/16 X 2-1/2 PL

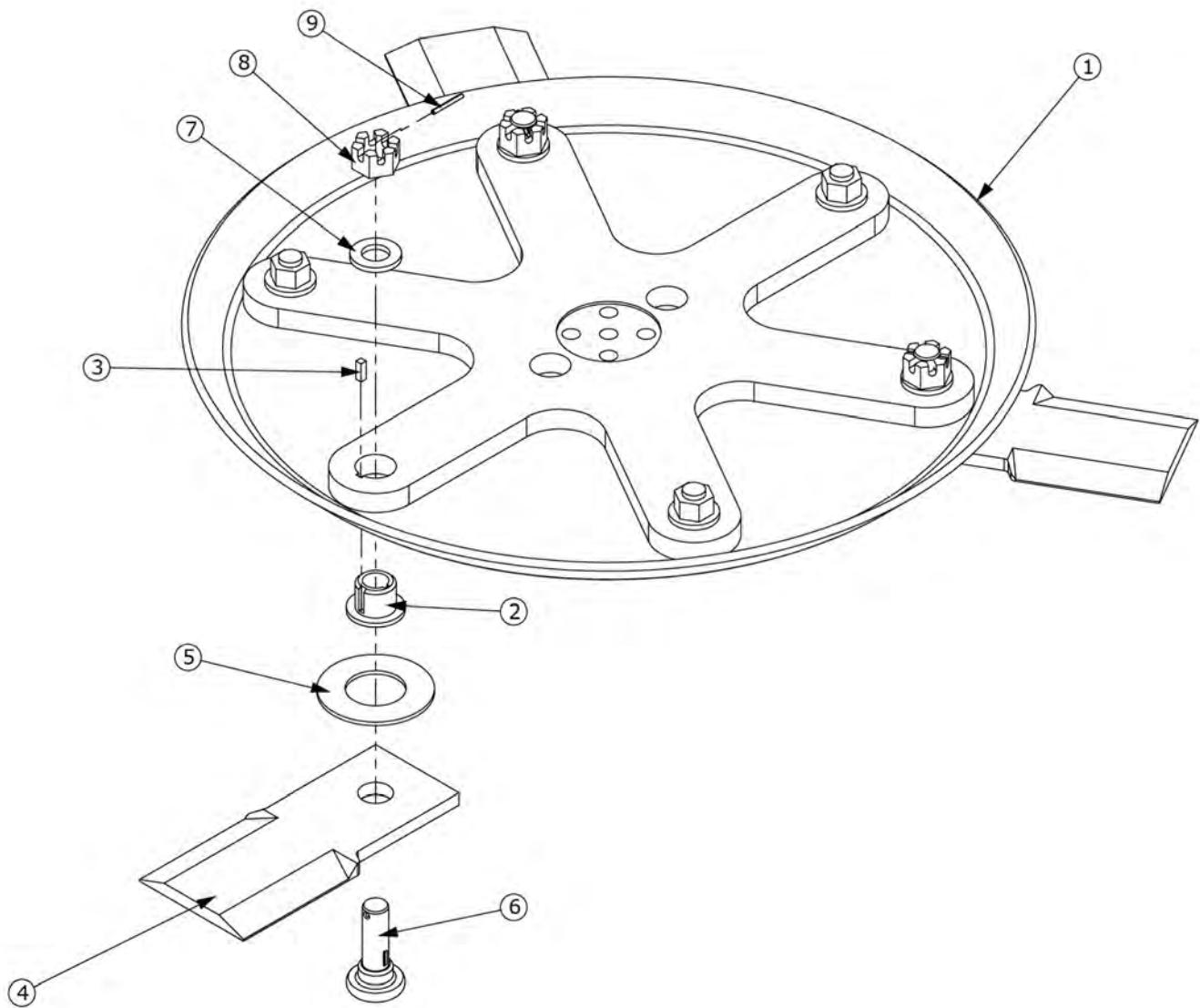
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 48 IN FLAIL AXE HEAD ASY (PART 2) - PN 02970300

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
52	02971701	1	NUT SLOT 1-3/8 12NF PLB
53	02970595	1	HHCS 3/8 NC 2-3/4 PL8
54	02972442	1	GUARD,BEARING
55	00008300	6	HHCS 5/8 NC 1-3/4 PL5
56	00003300	1	HEXB 3/4 NC 4 PL5
57	00764375	1	HHCS 1/2NC X 3-1/4 PL5
58	00695100	6	NUT,TOPLOCK 5/8 NC PLC
59	02675800	2	HHCS 5/8-11 X 1-1/2 PL5
60	02960018	2	ADP HYD ELBOW 4MB-4MJ90
61	02043600	2	ADP HYD ELBOW 16MB -16MJ 45
62	02837800	1	HOSE #8 - 8FJX - 8FJX - 60LG
63	00696800	1	ADP HYD STGHT 8MB - 8MJ
64	02968874	1	HOSE #16-16FJX-16FJX-60LG
65	02969464	1	ADP HYD STGHT 16FJ-8MJ
66	02993594	-	HOSE
67	02968894	1	VINYL TAPE RED 1/2 WIDE
68	02968896	1	VINYL TAPE, BLUE, 1/2 WIDE
69	02968834	3	VINYL TAPE ORANGE 1/2" WIDE
71	02981006	1	HOSE #4 - 4FJX - 4FJX -107LG
72	02981007	1	HOSE #4 - 4FJX - 4FJX -107LG
73	00900265	0.7	PAINT,TEXAS YELLOW
74	00001400	2	FLATWASHER 5/8 PL STD
75	00010300	2	WASHER,LOCK 5/8 GR8 - YDP
77	100720	1	WASHER, CUTTERSHAFT

**50 IN ROTARY BLADE PAN ASY - PN 02964457**

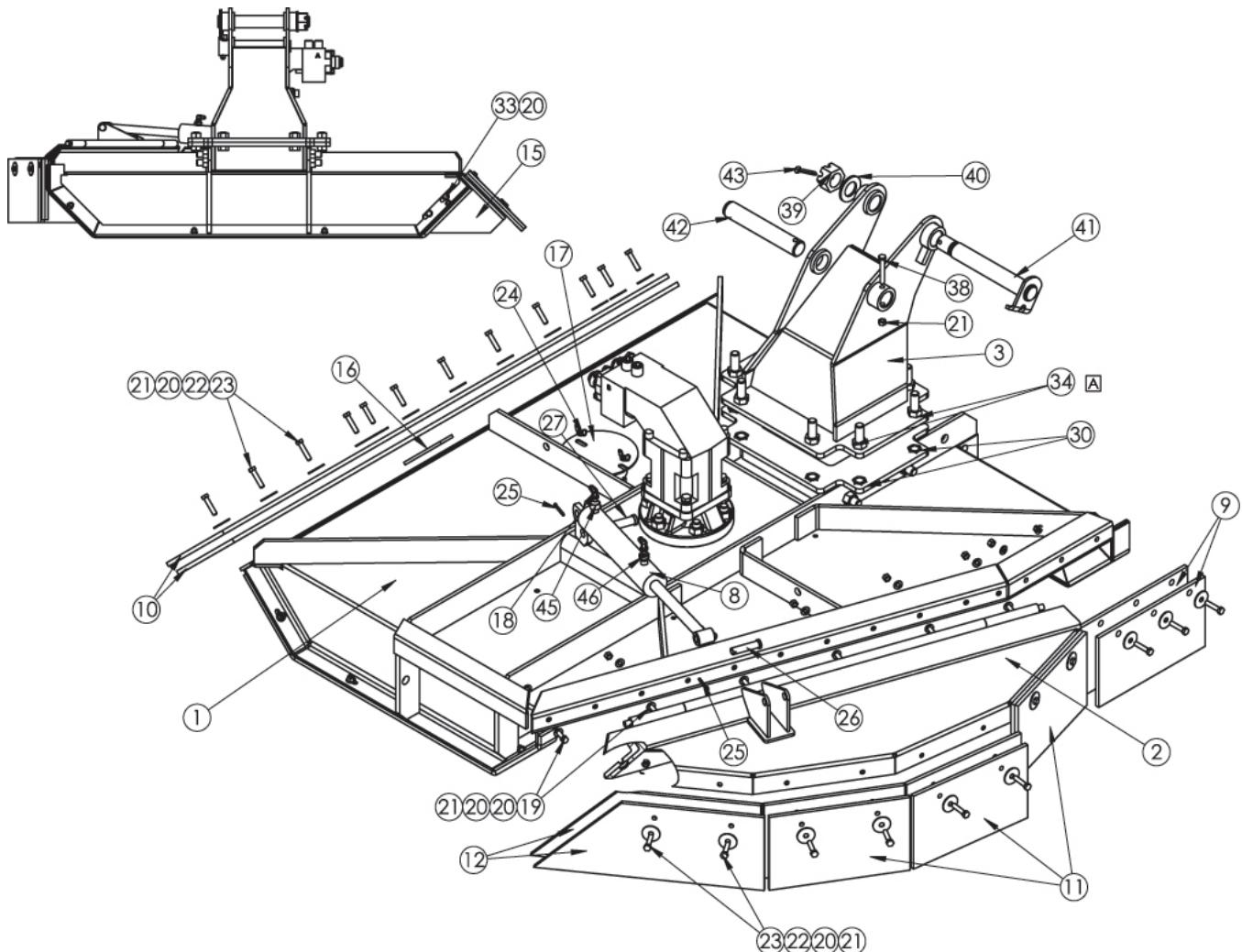


## 50 IN ROTARY BLADE PAN ASY - PN 02964457

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 IDX.250
8	00020900	3	NUT SLOT HVY 1-1/8 NF PL5
9	00023200	3	PIN ROLL 3/16X1-3/4

**50 IN BOOM AXE HEAD ASSEMBLY PN 02980202**



ITEM	PART NO.	QTY.	DESCRIPTION
	02980202	1	ASY, 50" B/A ROT PISTON
1	02974664	1	X-FRAME SQ. HD. WLDMT. 50"
2	02974483	1	WLDMT DOOR - BA50
3	02971928	1	WLDMT, HITCHPOST, MACHETE
8	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
9	02960885	2	FLAP, FRONT DEFLECTOR
10	02960886	2	REAR FLAP MODIFIED
11	02975227	6	FLAP, 13 X 8
12	02975228	2	FLAP, 13X8-TAPER END
15	02957380	1	SIDE GUARD
16	02957496	1	REAR FLAP RETAINER
17	5710121	1	PLATE, INSPECTION COVER
18	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90
19	00753642	6	HHCS 3/8 NC 1-1/4 PL5
20	00011100	46	FLATWASHER 3/8 STD

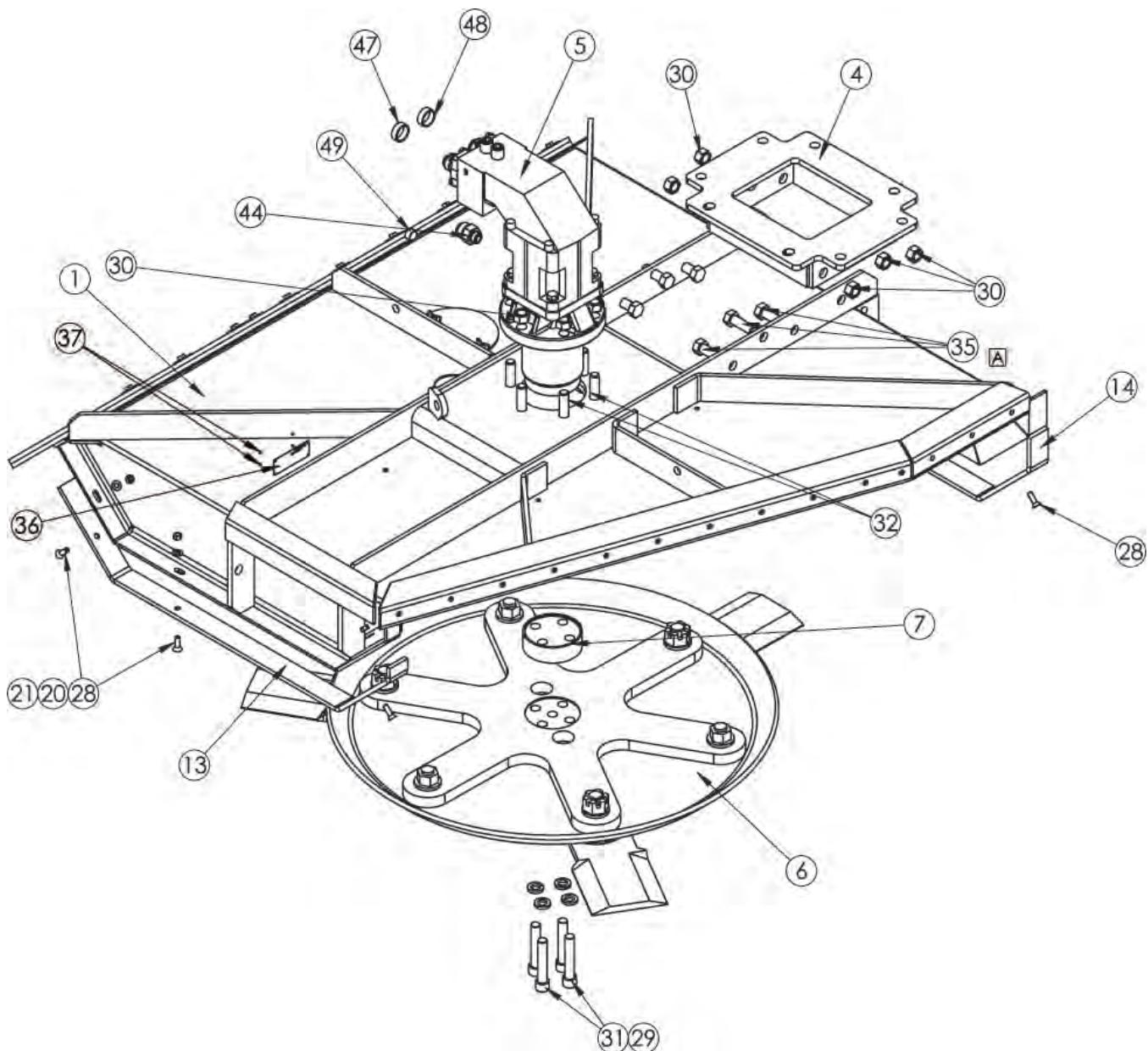
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 50 IN BOOM AXE HEAD ASSEMBLY PN 02980202

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
21	00015800	39	LOCKNUT TLM 3/8 NC PLC
22	02035800	23	WASHER, 3/8
23	00007000	23	HHCS 3/8 NC 1-3/4 PL5
24	5F5180	2	NUT, 5/16 NC WING
25	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
26	02976448	1	PIN - MACHINED HEAD
27	651102	1	PIN-DRILLED
30	00037200	20	NUT 3/4 NC LOCKNUT
33	00011400	2	BOLT, HHCS 3/8 NC 1 PL5
34	02963645	8	HHCS 3/4 NC 1-3/4 PL8
38	02970595	1	HHCS 3/8 NC 2-3/4 PL8
39	02971701	1	NUT, SLOTTED 1-3/8 12NF PLB
40	02971702	1	FLATWASHER, 1-3/8 TYPE B PL NARROW
41	02971720	1	PIN WLDMMNT, 11-1/2
42	02971756	1	PIN - 1/2 X 9 CHROME
43	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
45	02968836	1	VINYL TAPE YELLOW 1/2
46	02968837	1	VINYL TAPE YELLOW 1/4
49	02968834	1	VINYL TAPE ORANGE 1/2"

**50 IN BOOM AXE HEAD SUB ASSEMBLY PN 02980202**



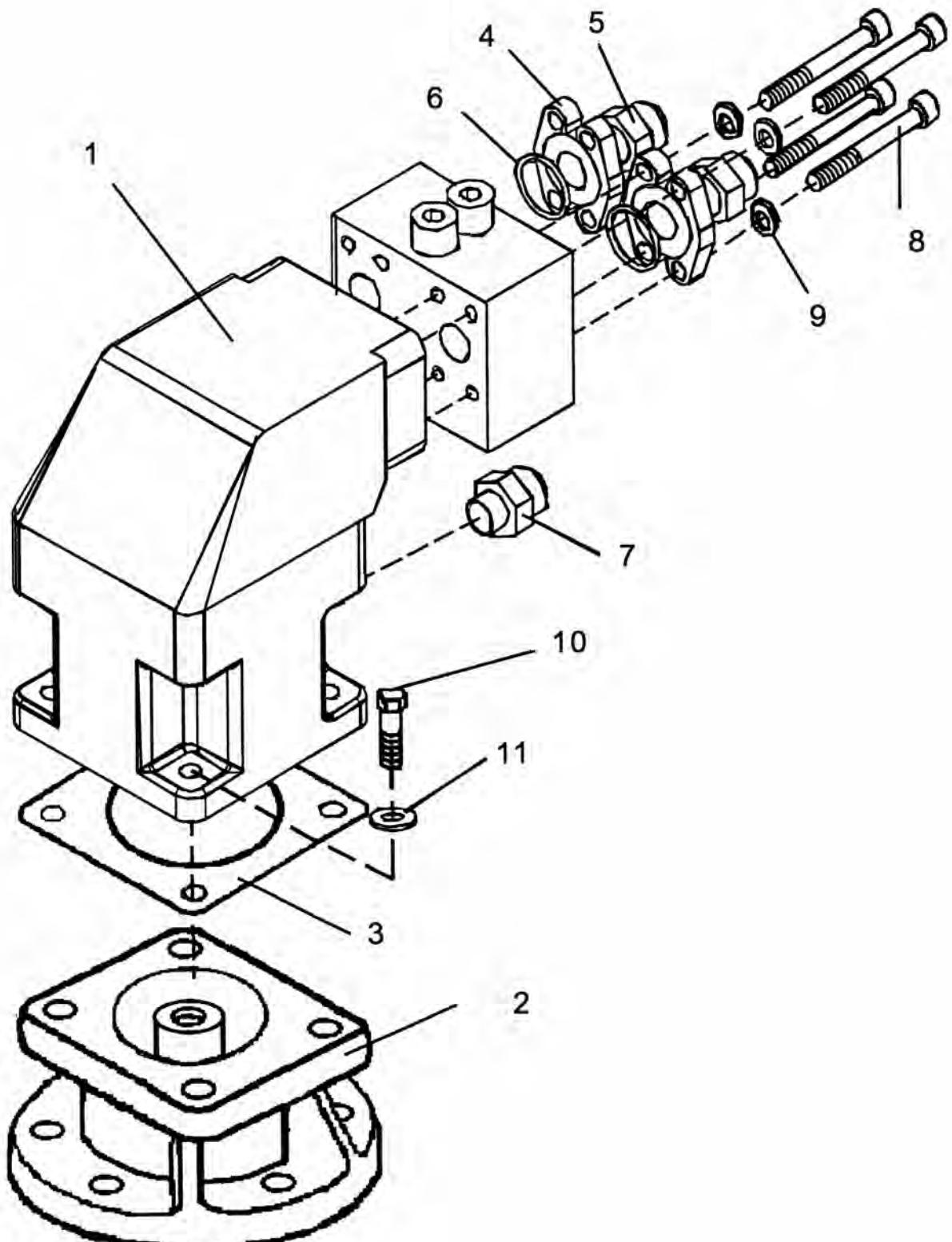
ITEM	PART NO.	QTY.	DESCRIPTION
	02980202	1	ASY, 50" B/A ROT PISTON
1	02974664	1	X-FRAME SQ. HD. WLDMT. 50"
4	02980205	1	WELDMENT, HITCHPOST ADAPTER
5	02980204	1	ASY, MOTOR/SPINDLE
6	02964457	1	PAN ASSY 50
7	02984822	1	SPACER BLADE PAN
13	02960882	1	R.H. SKID SHOE
14	02960883	1	L. H. SKID SHOE
20	00011100	46	FLATWASHER 3/8 STD

## 50 IN BOOM AXE HEAD SUB ASSEMBLY PN 02980202

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
21	00015800	39	LOCKNUT TLM 3/8 NC PLC
28	00059700	7	FSCS 3/8 NC X 1-1/4
29	00003901	4	LOCKWASHER 3/4 HEAVY
30	00037200	20	NUT 3/4 NC LOCKNUT
31	02964861	4	SHCS 3/4 NC 4
32	02973438	6	HHCS 3/4 NC 3-1/4 PL8
35	02959390	14	HHCS 3/4 NC 2-1/4 PL8
36	02971495	1	SERIAL NUMBER PLATE
37		4	
44	02980373	1	ADEP HYD STGHT 10MB-16MJ
47	02968896	1	VINYL TAPE BLUE 1/2"
48	02968895	1	PLASTIC TIE, BLUE 11 LG
49	02968894	1	VINYL TAPE, RED, 1/2"

50 IN MOTOR & SPINDLE ASY

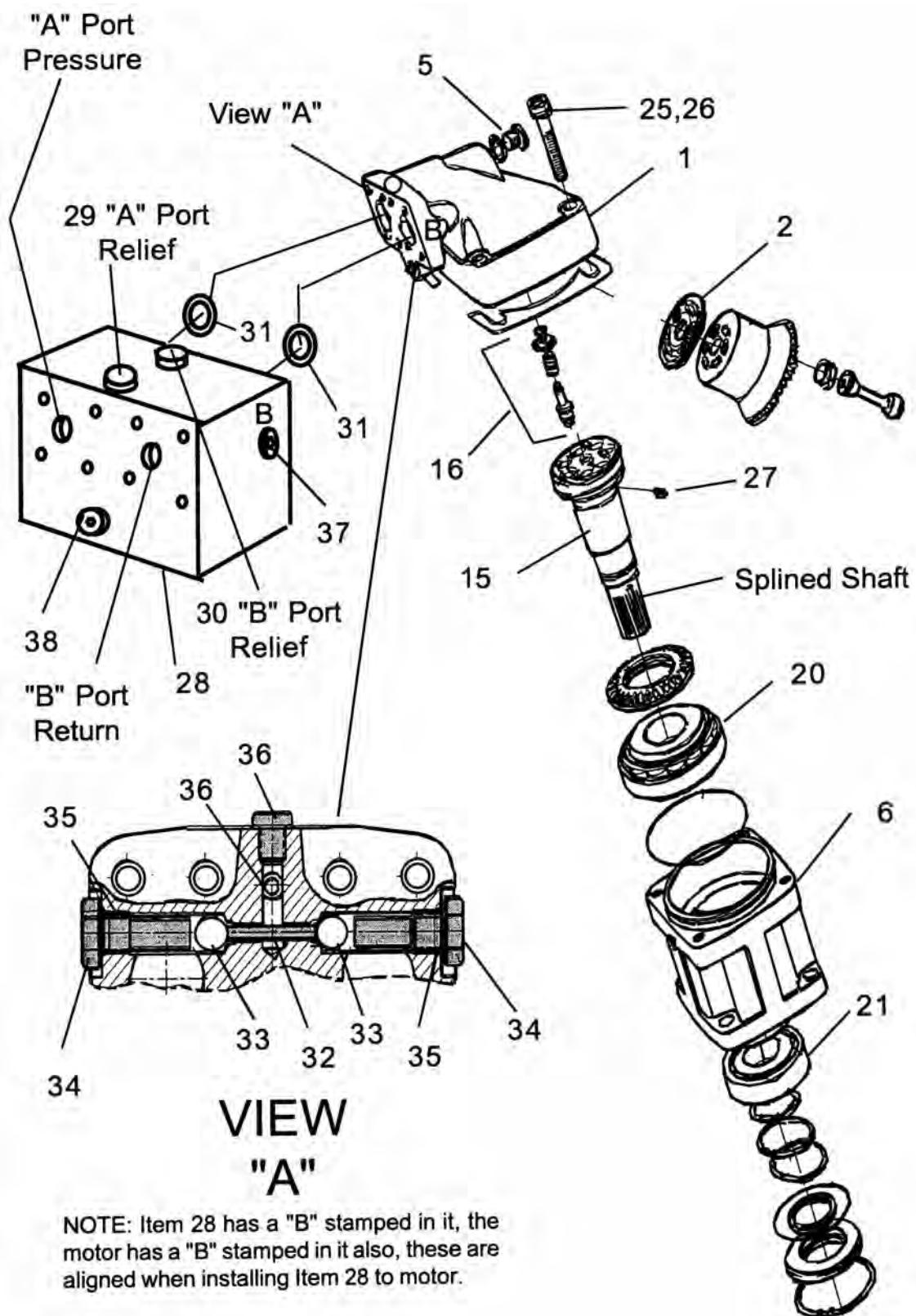


02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 50 IN MOTOR & SPINDLE ASY

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
0	02980204	-	ASY, MOTOR/SPINDLE
1	02979881	1	MOTOR PISTON 4.91 CID
2	02960553B	1	ASSY,SPINDLE HOUSING-SPLINED
3		1	
4	02981819	4	ADP HYD STGHT 16FLH-16MJ SPCL
5	02981819	2	ADP HYD STGHT 16FLH-16MJ SPCL
6	02980237	2	O-RING .139 DIA X 1.296 INSIDE
7	02980373	1	ADP HYD STGHT 10MB - 16MJ
8	02980236	8	HHCS 7/16-14NC 4-1/2 PL5
9	00022200	8	HIGH ALLOY, L/W 7/16 YZ
10	02891800	4	HHCS 1/2 NC 1-3/4 PL8
11	00019600	4	LOCKWASHER, 1/2, HVY, PL

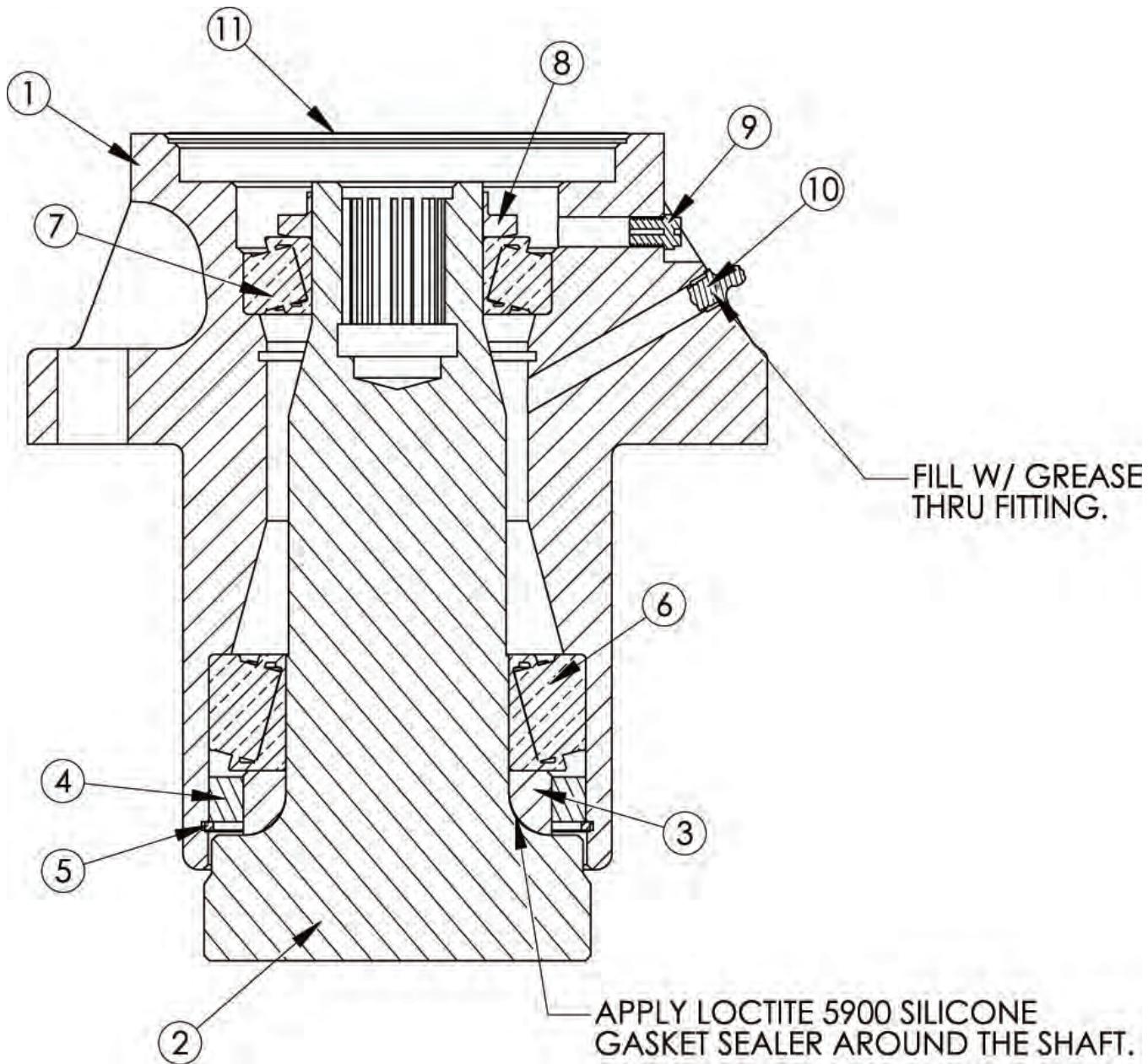


## 50 IN MOTOR ASY - PARTS - PN 02979881

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979881	-	MOTOR ASY, PISTON TYPE
1	02980529	1	BARREL HOUSING ASY
2	02993589	1	REPAIR KIT
4	02980536	1	NOZZLE
5	02980537	1	PLUG ASY, HEXAGON
6	02980538	1	BEARING HOUSING
	02988818	1	SEAL, SHAFT
14	02980546	1	SHAFT ASY
15	02980552	1	KIT,REPL, BARREL/RING, 4.91 CI
16	02980549	1	BARREL SUPPORT
18	02989112	1	KIT, 21 PISTON RINGS
20	02980553	1	BEARING ASY, CUP & CONE
21	02980554	1	BEARING ASY, CUP & CONE
23	02998870	1	KIT,SPACER,WASHER
	02998869	-	KIT, SHIM, MOTOR,PISTON,4.91
25	02980564	4	BOLT, SOCKET HEAD
26	02980565	4	LOCKWASHER M13 X 19.5
27	02980547	1	GUIDE PIN
28	02980571	1	RELIEF MANIFOLD
	02980570	-	SEAL KIT, F/ RELIEF VALVE
29	02980568	1	RELIEF VALVE, 4061 PSI (280 BAR)
30	02980569	1	RELIEF VALVE, 4786 PSI (330 BAR)
31	02980237	2	O-RING
33	02980532	2	BALL
34	02980533	2	PLUG, HEXAGON
35	02980534	2	O-RING
36	02980535	2	PLUG ASY, HEX SOCKET
37	02980572	1	PLUG ASY
38	02980573	1	PLUG ASY
40	02980567	1	SEAL KIT FOR 02979881 MTR

50 IN SPINDLE ASY - PN 02960553B



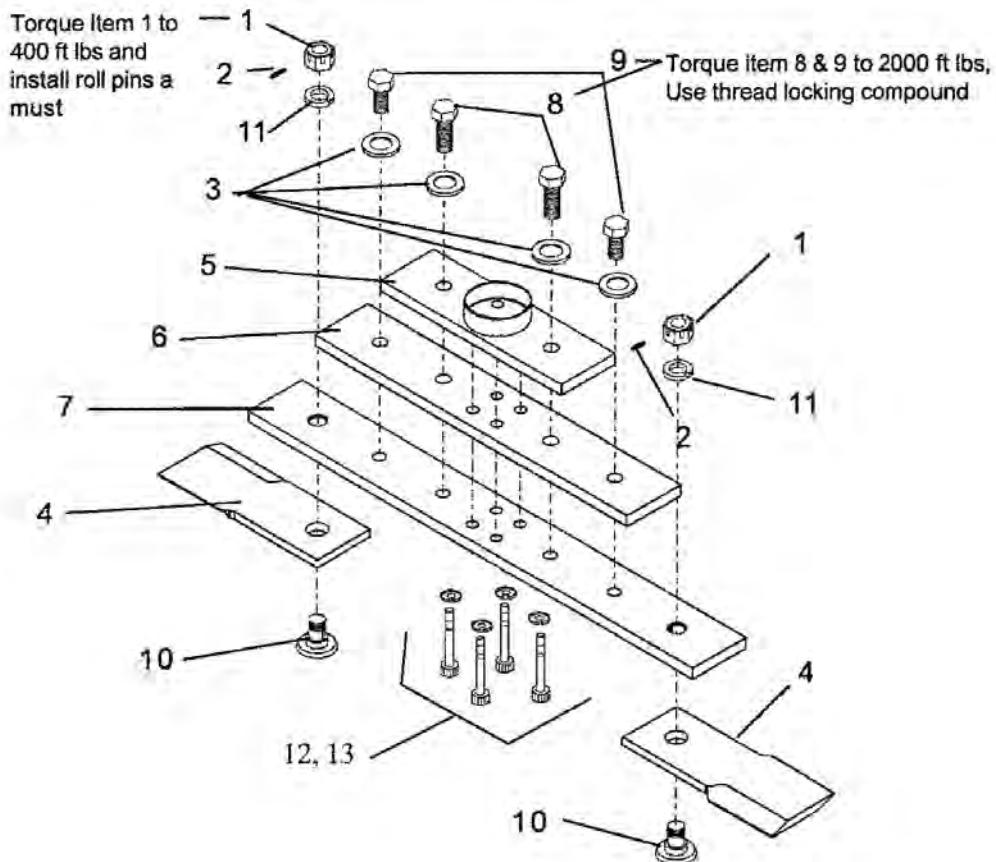
ITEM	PART NO.	QTY.	DESCRIPTION
0	02960553B	-	ASSY,SPINDLE HOUSING-SPLINED
1	02963815	1	MACH, CAST, SPINDLE, HOUSING
2	02960561	1	SPINDLE -SPLINED
3	02960558	1	BEARING RING
4	02960559	1	SEAL
5	00754627	1	SNAP RING
6	02960557	1	SPINDLE CUP & CONE ASY
7	00769938	1	BEARING,ROLLER-50 X 90 X 21.75
8	02962030	1	LOCKNUT-SPINDLE BEARING

## 50 IN SPINDLE ASY - PN 02960553B

**Continued...**

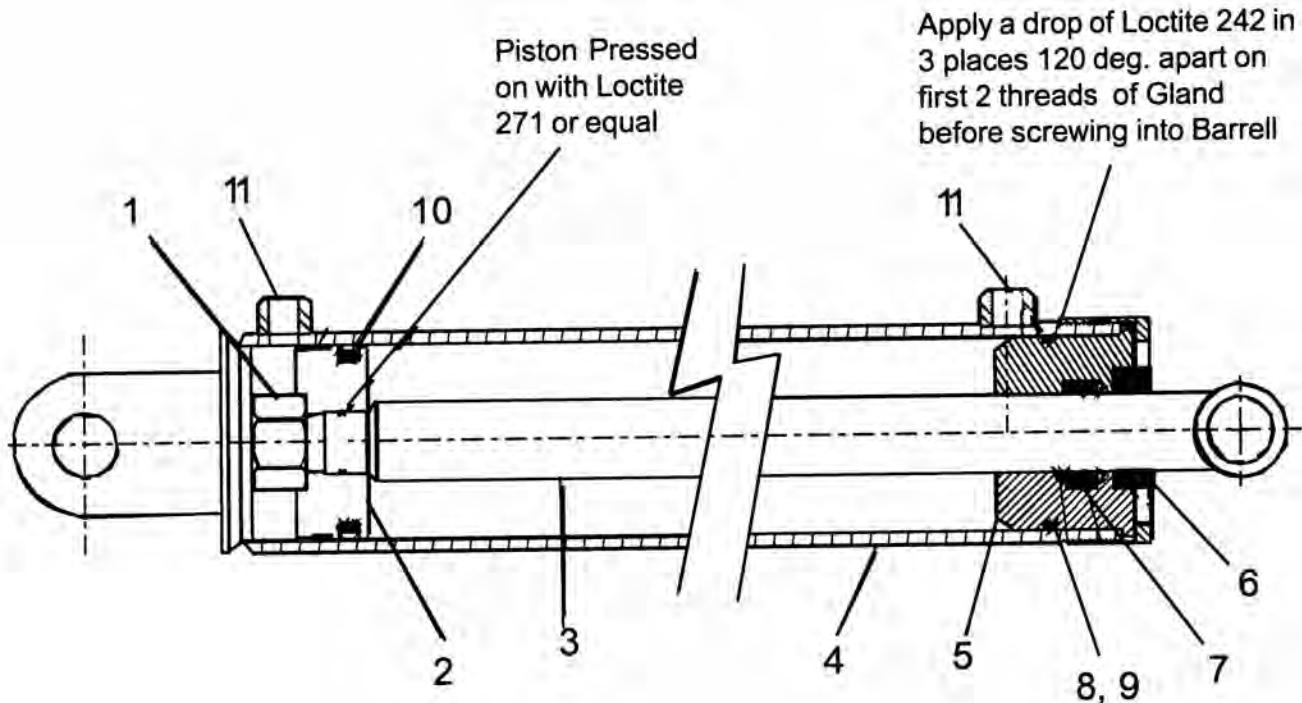
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
9	02959018	1	GREASE RELIEF FITTING 1-5LBS
10	00003500	1	FITTING,GREASE 1/8 MP STRAIGHT
11	02963060	1	COVER

## 60 IN BLADE BAR ASY - PN 02969230



ITEM	PART NO.	QTY.	DESCRIPTION
	02969230	-	BLADE BAR ASY
1	00020900	2	NUT
2	00023200	2	ROLL PIN
3	15C2000	4	WASHER, 1.375 X 2.50 X .165, HARDENED
4	02761500	1	BLADE SET, MATCHED SET OF 2
5	02971387	1	BLADE BAR LEAF, TOP LEAF
6	02969232	1	BLADE BAR LEAF, MIDDLE LEAF
7	02969233	1	BLADE BAR LEAF, BOTTOM LEAF
8	02969235	2	BOLT, LONG BOLT
9	02969236	2	BOLT, SHORT BOLT
10	02782900	2	BLADE BOLT
11	02957089	2	LOCKWASHER
12	00003901	-	LOCKWASHER, 3/4" PL HEAVY
13	02964861	-	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 DOOR CYL ASY - PN 02961480A**

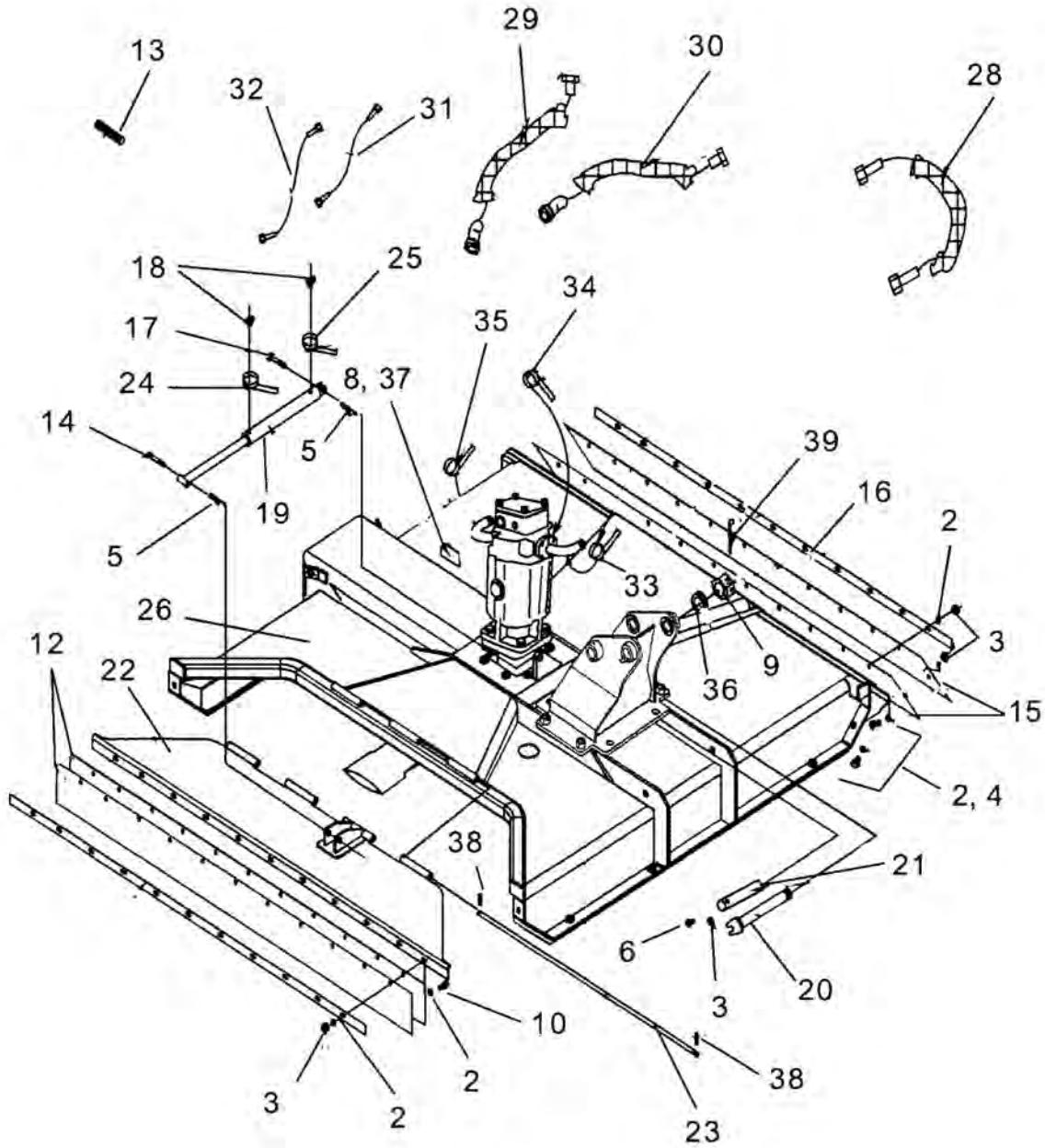


ITEM	PART NO.	QTY.	DESCRIPTION
	02961480A	-	DOOR CYLINDER ASY
1	5JRC12160	1	LOCKNUT
2	33309	1	PISTON
3	02975865	1	ROD WLD`MT
4	02975866	1	TUBE / BARRELL WLD`MT
5	02975867	1	CYLINDER HEAD
6	* SEAL KIT	1	ROD WIPER SEAL (IN ITEM 12)
7	* SEAL KIT	1	ROD SEAL (IN ITEM 12)
8	* SEAL KIT	1	O-RING (IN ITEM 12)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

**THIS PAGE INTENTIONALLY LEFT BLANK**

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

60 IN HEAD ASY - SN 02050 & DOWN



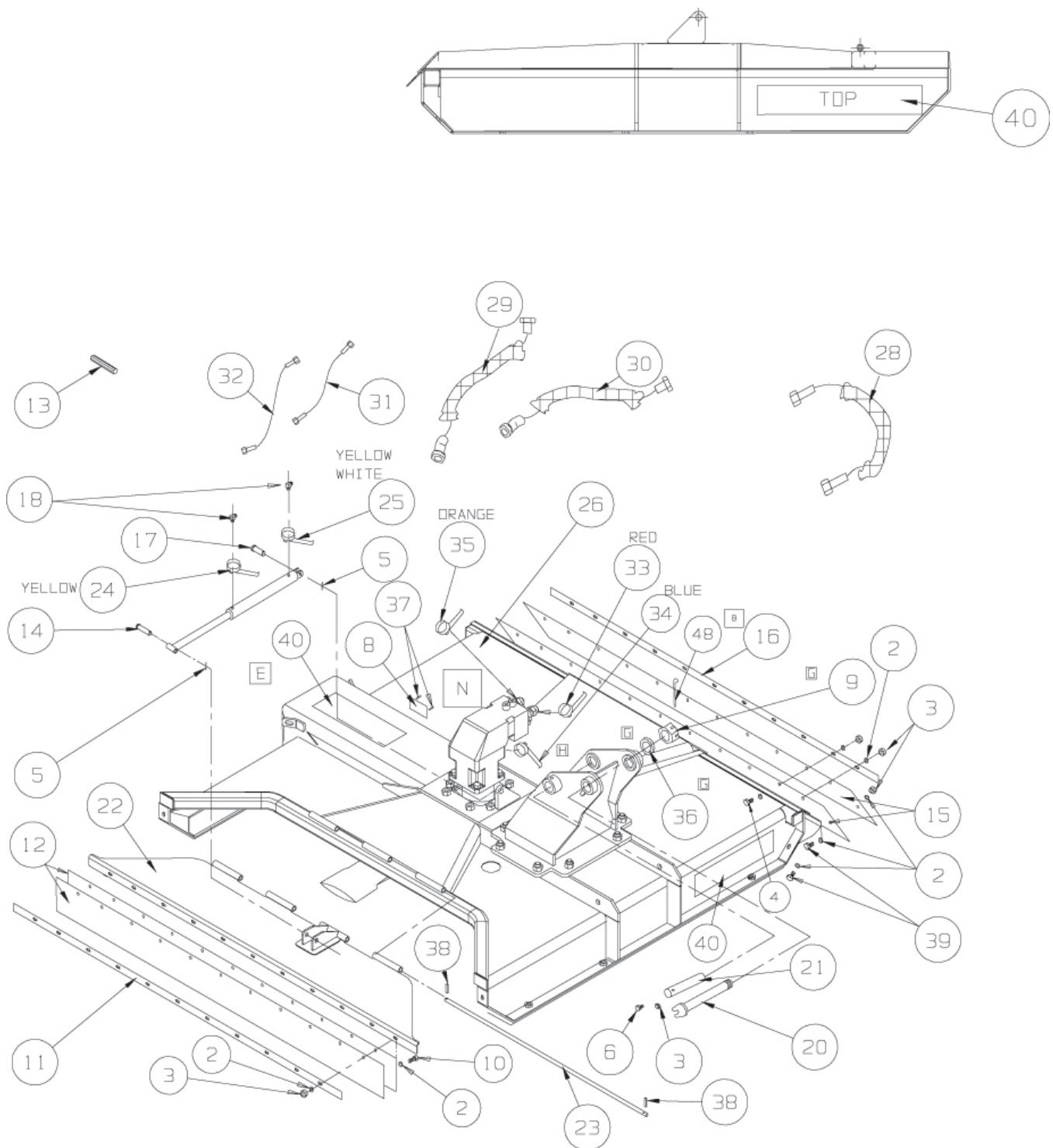
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## 60 IN HEAD ASY - SN 02050 & DOWN

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02968858	-	ROTARY HEAD ASY, 60" W/ BAR CARRIER (NON-SALABLE)
2	00011100	46	FLATWASHER
3	00015800	24	LOCKNUT
4	00007000	12	BOLT
5	00755153	2	COTTER PIN
6	02970595	1	BOLT
8	NFS	1	SERIAL NUMBER PLATE
9	02971701	1	SLOTTED NUT
10	00023100	11	BOLT
11	00756875	1	FLAP HOLD DOWN BAR
12	00759862	2	SHIELD, DEBRIS DEFLECTOR
13	02767500	1	HEX WRENCH, SPECIAL
14	02976448	1	PIN
15	02885700	2	REAR FLAP
16	02885800	1	REAR CLAMP BAR
17	651102	1	PIN
18	02960018	2	ADAPTER, ELBOW
19	02961480	1	CYLINDER ASY
20	02971720	1	PIN WLD MT
21	02971756	1	PIN
22	02967775	1	DOOR
23	02967782	1	ROD, HINGE
24	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
25	02968837	3	VINYL TAPE YELLOW 1/2" WIDE
26	02968856	-	ROTARY HEAD SUB-ASY, 60" (NON-SALABLE)
27	02968873	-	DECALS, (SEE SAFETY SECTION)
28	02968874	1	HOSE, (LARGE) - W/ RED TIE - PRESSURE HOSE
29	02968875	1	HOSE, (LARGE) - W/ ORANGE TIE - RETURN HOSE
30	02968876	1	HOSE, (LARGE) - W/ BLUE TIE - CASE DRAIN
31	02968877	1	HOSE, (SMALL) - W/ YELLOW / WHITE - DOOR CYL
32	02968878	1	HOSE, (SMALL) - W/ YELLOW TIE - DOOR CYL
33	02968894	1	VINYL TAPE RED 1/2" WIDE
34	02991249	1	VINYL TAPE GREEN 1/2" WIDE
35	02968896	1	VINYL TAPE BLUE 1/2" WIDE
36	02971702	1	WASHER
37		2	
38	99338S	1	ROLL PIN
39	165020	1	COTTER PIN

## 60 IN HEAD ASY - SN 02051 & UP



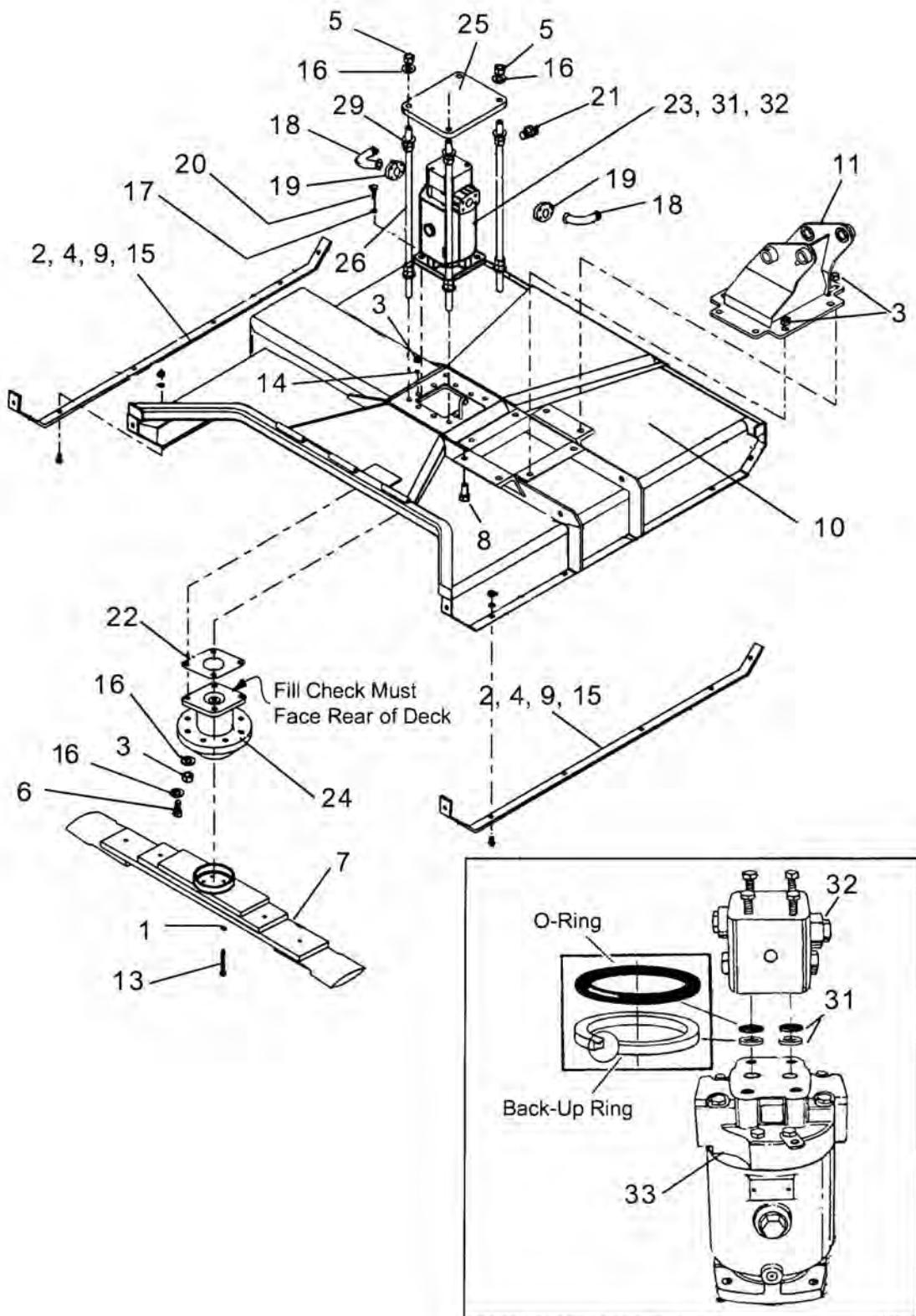
ITEM	PART NO.	QTY.	DESCRIPTION
	02968858	-	ROTARY HEAD ASY, 60" W/BAR CARRIER (NON-SALABLE)
2	00011100	45	FLATWASHER
3	00015800	23	LOCKNUT

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

**60 IN HEAD ASY - SN 02051 & UP****Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
4	00007000	11	BOLT
5	00755153	2	COTTER PIN
6	02970595	1	BOLT
8	02971500	1	PLATE, ALAMO S/N
9	02971701	1	NUT
10	00023100	10	BOLT
11	00756875	1	FLAP HOLD DOWN BAR
12	00759862	2	SHIELD, DEBRIS DEFLECTOR
13	02767500	1	HEX WRENCH, MODIFIED
14	02976448	1	PIN, 2-1/2" LONG
15	02885700	1	REAR FLAP, 10" HIGH X 63" LONG
16	02885800	1	REAR CLAMP BAR
17	651102	1	PIN, 2" LONG
18	02960018	2	ADAPTER, ELBOW
19	02961480	1	CYLINDER ASY, DOOR
20	02971720	1	PIN WLD`MT, 11-1/2" LONG
21	02971756	1	PIN, 9" LONG
22	02971963	1	DOOR WLD`MT
23	02967782	1	ROD, HINGE
24	02968836	1	VINYL TAPE BLUE 1/2" WIDE
25	02968837	1	VINYL TAPE YELLOW 1/4" WIDE
26	02968856	1	60" SQ. HD SUB-ASY.
27	02968873	1	DECAL KIT
28	02968874	1	HOSE, 16 W/ RED TAPE
29	02968875	1	HOSE, 16 W/ ORANGE TAPE
30	02968876	1	HOSE, 16 W/ BLUE TAPE
31	02968877	1	HOSE, 4 W/ YELLOW
32	02968878	1	HOSE, 4 W/ YELLOW TAPE
33	02968894	1	VINYL TAPE YELLOW 1/4" WIDE
34	02968896	1	VINYL TAPE BLUE 1/2
35	02968834	1	VINYL TAPE ORANGE 1/2
36	02971702	1	WASHER, NARROW
37		2	
38	99338S	2	ROLL PIN
39	00010600	2	BOLT
48	165020	1	COTTER PIN

60 IN HEAD SUB-ASY - SN 02050 & DOWN

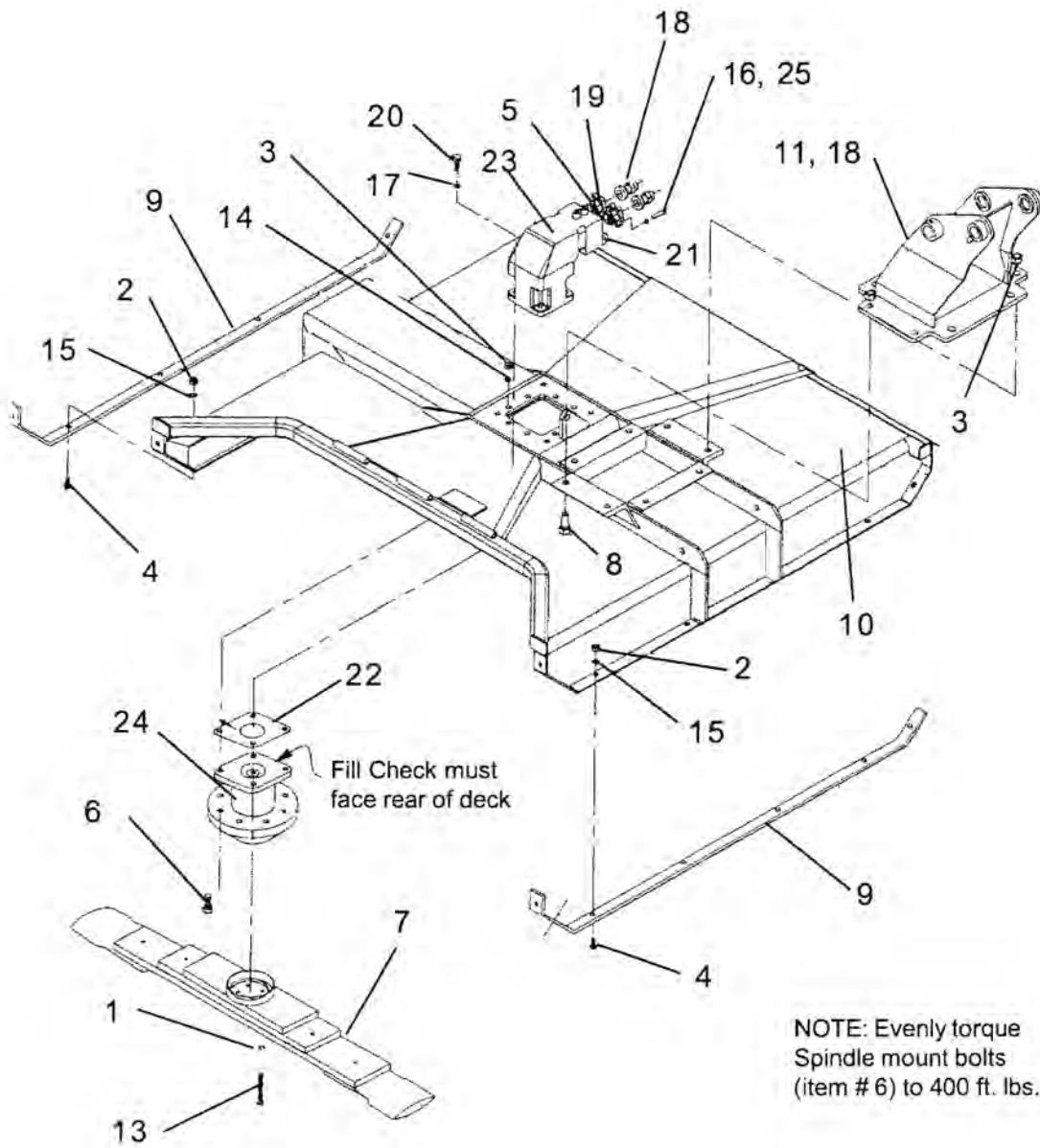


## 60 IN HEAD SUB-ASY - SN 02050 & DOWN

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02968858	-	ROTARY HEAD SUB-ASY, 60" (NON-SALABLE)
1	00003901	4	LOCKWASHER
2	00015800	14	LOCKNUT
3	00037200	16	LOCKNUT
4	00059700	14	BOLT
5	02979020	8	NUT
6	03200269	8	BOLT
7	02969230	1	BLADE BAR ASY
8	02963645	8	BOLT
9	02966899	2	SKID SHOE
10	02966900	1	DECK HEAD
11	02971928	1	HITCH POST
13	02964861	4	BOLT, SOCKET HEAD
14	5312316	16	FLATWASHER, HARDENED SPECIAL
15	15B600	14	WASHER
16	W67	16	WASHER
17	00019600	4	LOCKWASHER
18	00750316	2	HYDRAULIC FITTING, ELBOW
19	00750317	2	SPLIT FLANGE KIT
20	02891800	4	HYDRAULIC FITTING, ELBOW
21	02958782	1	ADAPTER, HYD, STRAIGHT
22		1	
23	02967193B	1	MOTOR ASY
24	02968859A	1	SPINDLE HOUSING
25	02978878	1	MOTOR PLATE
26	02970752	4	TIE ROD
29	02979021	16	NUT
31	02972094	1	SEAL KIT, VALVE BLOCK TO MOTOR
32	02971574	1	CARTRIDGE, RELIEF (4000 PSI)
32A	02981685	1	O-RING
32B	02981686	1	O-RING
32C	02981687	1	O-RING
32D	02981688	2	BACK-UP RING
33	02979511	1	GASKET, END COVER
34	02977905	1	MOTOR SEAL KIT

**60 IN HEAD SUB-ASY - SN 02051 & UP**

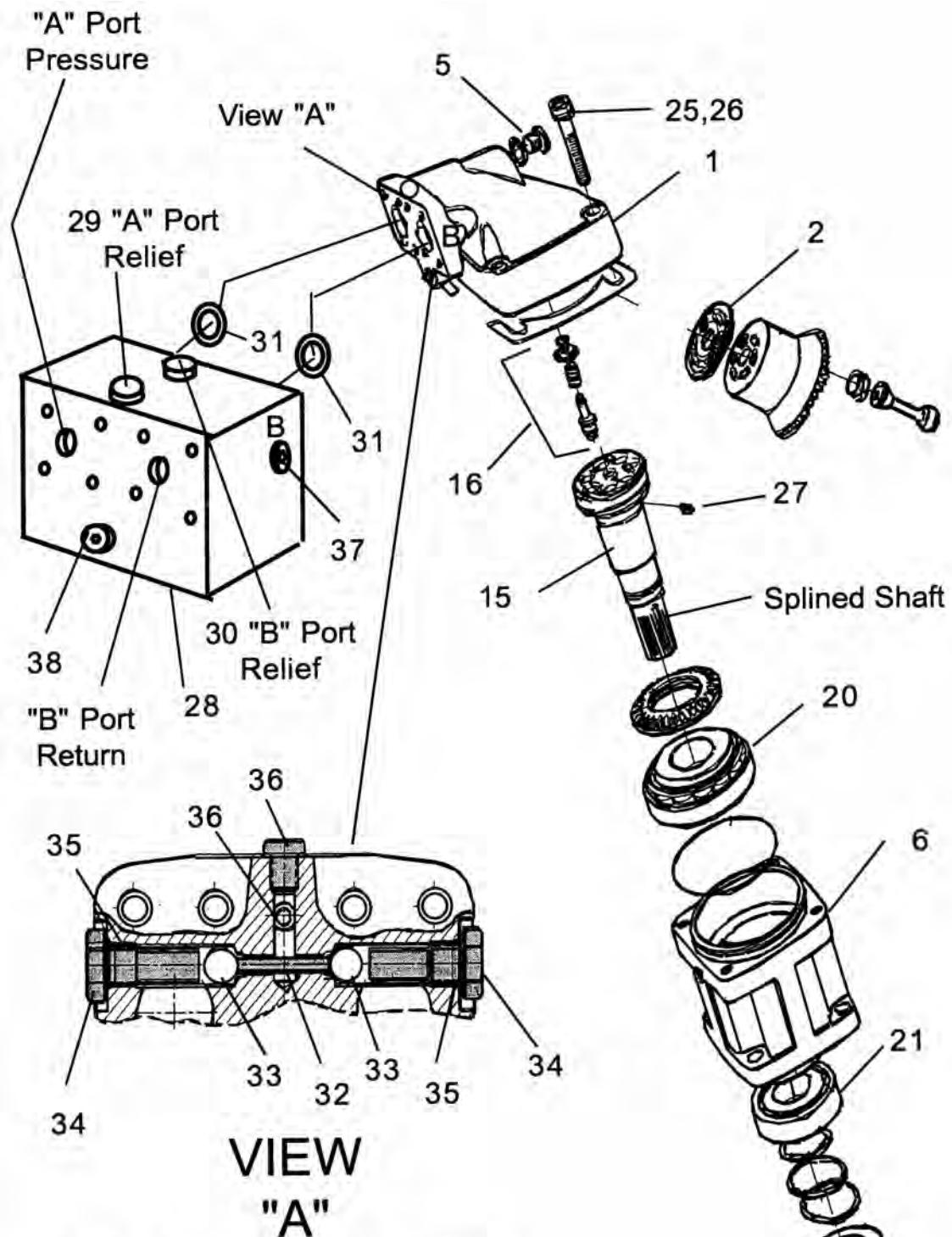


**NOTE:** Evenly torque  
Spindle mount bolts  
(item # 6) to 400 ft. lbs.

## 60 IN HEAD SUB-ASY - SN 02051 & UP

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02968858	-	ROTARY HEAD ASY. W/ BAR CARRIER (NON SALABLE)
1	00003901	4	LOCKWASHER
2	00015800	14	LOCKNUT
3	00037200	16	LOCKNUT
4	00059700	14	BOLT
5	02980237	2	O-RING
6	03200269	8	BOLT
7	02969230	1	BLADE BAR ASY
8	02963645	8	BOLT
9	02966899	2	SKID SHOE
10	02966900	1	DECK HEAD WLD`MT
11	02971928	1	HITCH POST WLD`MT
13	02964861	4	BOLT
14	5312316	16	WASHER, HARDENED
15	15B600	14	WASHER
16	02980236	8	BOLT
17	00019600	4	LOCKWASHER
18	02981819	2	ADP HYD STGHT 16FLH-16MJ SPCL
19	02981819	4	ADP HYD STGHT 16FLH-16MJ SPCL
20	02891800	4	BOLT
21	02980373	1	ADAPTER, HYD.
22		1	
23	02979881	1	MOTOR ASY, PISTON TYPE
24	02968859A	1	SPINDLE HOUSING, SPLINED
25	00022200	8	LOCKWASHER

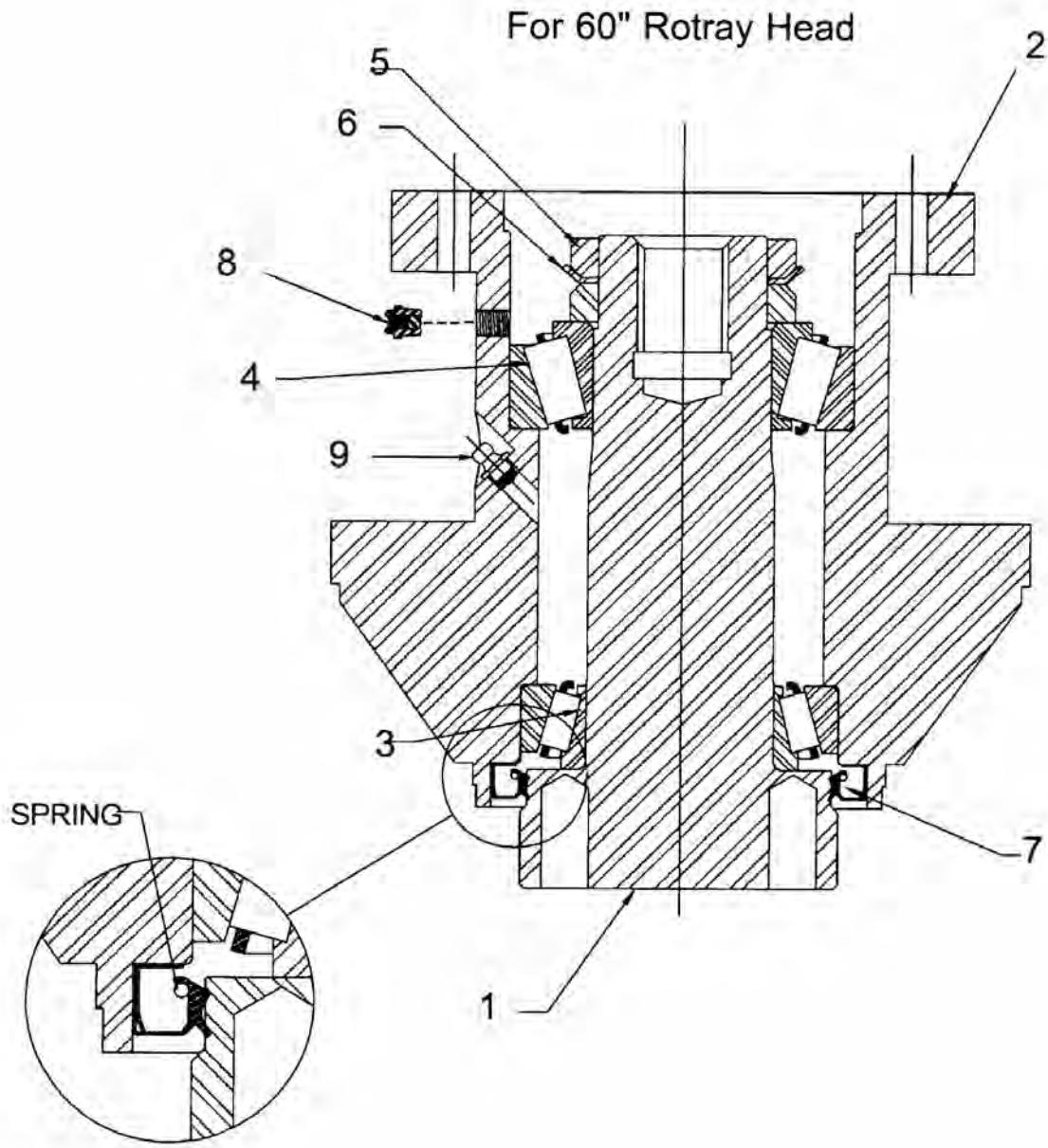


NOTE: Item 28 has a "B" stamped in it, the motor has a "B" stamped in it also, these are aligned when installing Item 28 to motor.

## 60 IN MOTOR ASY - PARTS - SN 02051 - PN 02979881

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979881	-	MOTOR ASY, PISTON TYPE
1	02980529	1	BARREL HOUSING ASY
2	02993589	1	REPAIR KIT
4	02980536	1	NOZZLE PLUG 2.5MM
5	02980537	1	PLUG ASY, HEXAGON
6	02980538	1	BEARING HOUSING
	02988818	1	SEAL, SHAFT
14	02980546	1	SHAFT ASY
15	02980552	1	KIT,REPL, BARREL/RING, 4.91 CI
16	02980549	1	BARREL SUPPORT
18	02989112	1	KIT, 21 PISTON RINGS
20	02980553	1	BEARING ASY, CUP & CONE
21	02980554	1	BEARING ASY, CUP & CONE
23	02998870	1	KIT,SPACER,WASHER
	02998869	-	KIT, SHIM, MOTOR,PISTON,4.91
25	02980564	4	BOLT, SOCKET HEAD
26	02980565	1	SAFETY VALVE
27	02980547	1	GUIDE PIN
28	02980571	1	RELIEF MANIFOLD
	02980570	-	SEAL KIT, F/ RELIEF VALVE
29	02980568	1	RELIEF VALVE, 4061 PSI (280 BAR)
30	02980569	1	RELIEF VALVE, 4786 PSI (330 BAR)
31	02980237	2	O-RING
33	02980532	2	BALL
34	02980533	2	PLUG, HEXAGON
35	02980534	2	O-RING
36	02980535	2	PLUG ASY, HEX SOCKET
37	02980572	2	PLUG ASY
38	02980573	1	PLUG ASY
40	02980567	1	SEAL KIT FOR 02979881 MTR



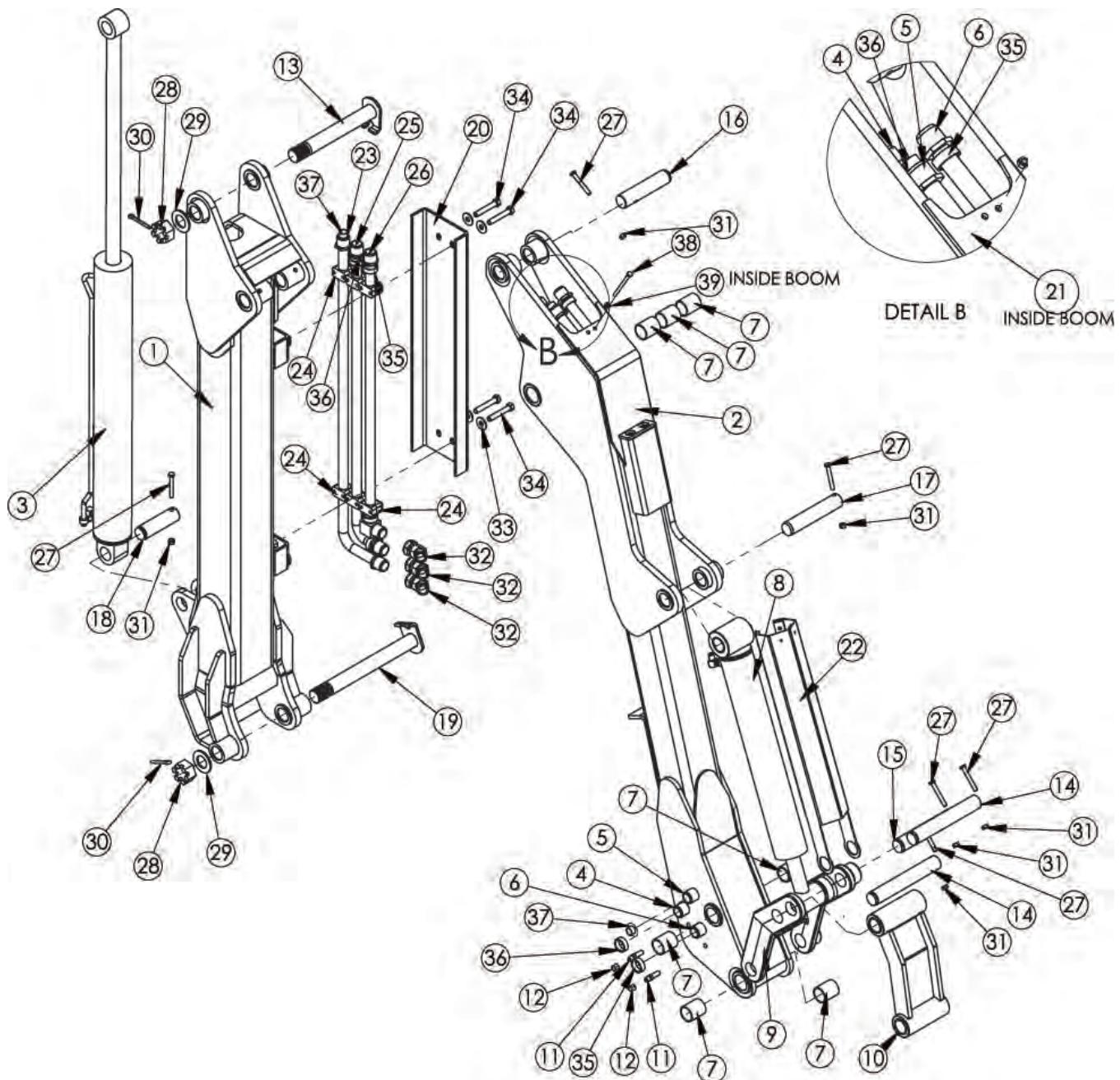
ITEM	PART NO.	QTY.	DESCRIPTION
	02968859	-	SPINDLE ASY, F/ 60" ROTARY HEAD
1	02967204	1	SPINDLE SHAFT
2	02967126	1	SPINDLE HOUSING
3	02967197	1	LOWER BEARING ASY, CUP & CONE
4	02967196	1	UPPER BEARING ASY, CUP & CONE
5	02909500	2	NUT

## 60 IN SPINDLE ASY - PN 02968859A

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	02909600	1	TANG WASHER
7	02967198	1	SEAL
8	02959018	1	RELIEF PLUG
9	00003500	1	GREASE FITTING

**BOOM ASY - 17 FT (STD STEEL) - PN 02979902**



ITEM	PART NO.	QTY.	DESCRIPTION
	02979902	1	ASY, BOOM 17 MACHETE
1	02979903	1	WELDMENT, LIFT SECTION
2	02979911	1	WLDMNT, DIPPER SECT 17
3	02979920	1	ASY, DIPPER CYLINDER
4	02979916	1	TUBE, HYDRAULIC 17 MACHETE
5	02979917	1	TUBE, HYD 17 MACHETE
6	02979918	1	TUBE, HYD 17 MACHETE

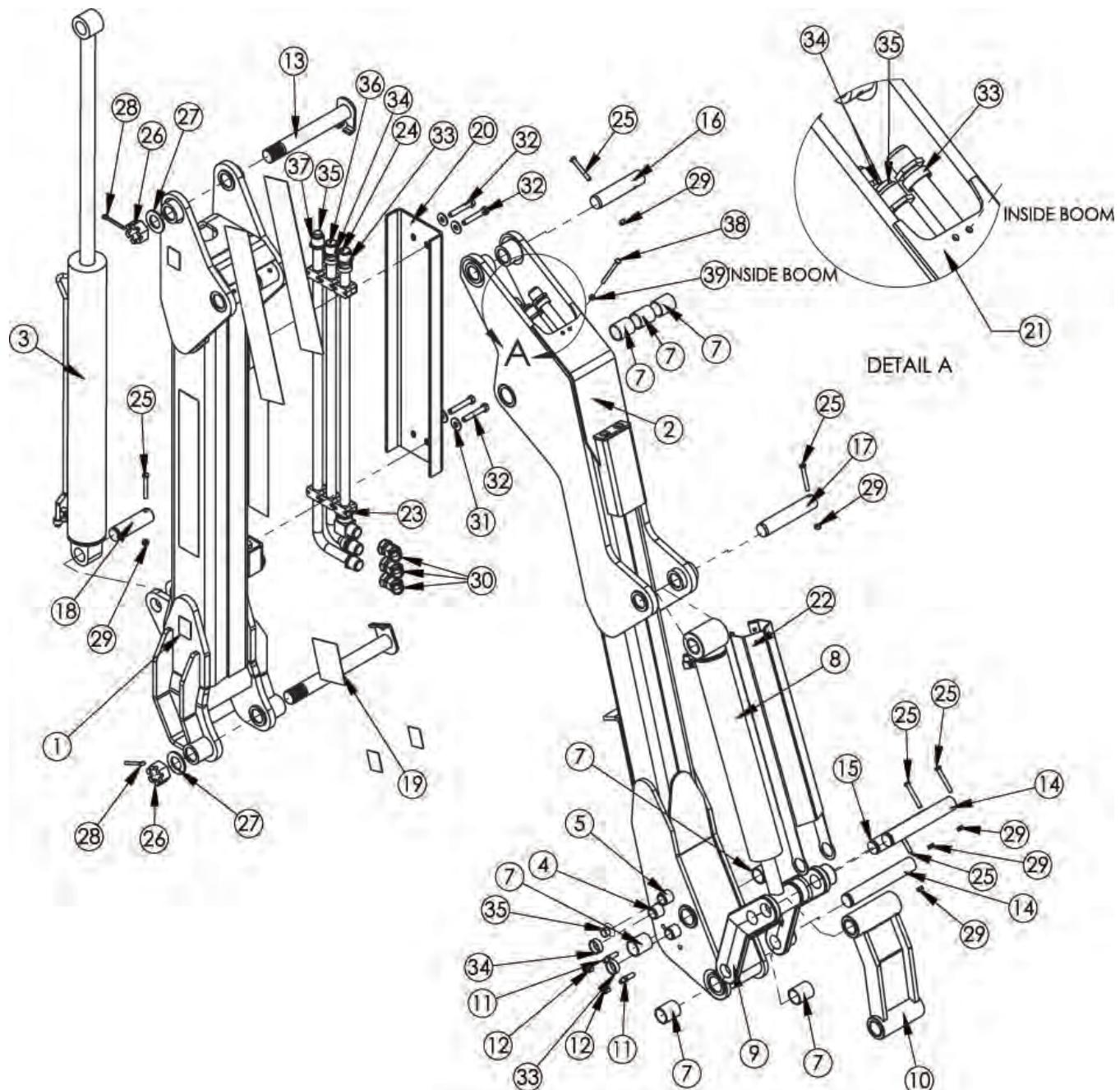
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## BOOM ASY - 17 FT (STD STEEL) - PN 02979902

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
7	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
8	02968806	1	ASSY,TILT CYLINDER
9	02972816W	1	WELDED, LINK ARM
10	02968805	1	LINKAGE ARM ASSEMBLY
11	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
12	02919600	2	CAP-NUT #4FJ
13	02971705	1	WELDMENT, PIN - 12LG
14	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
15	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
18	02971751	1	PIN, 1-1/2 X 5-3/16 CHROME
19	02971703	1	WELDMENT, PIN - 14-15/16LG
20	02979922	1	COVER, HYD TUBE
21	02979301	1	TUBE CLAMP 4 HALVES & TOP PLT.
22	02968838	1	CYL ROD GUARD ASSEMBLY
23	02980040	1	TUBE, HYD 17 MACHETE
24	03200375	6	CLAMP
25	02980039	1	TUBE, HYD 17 MACHETE
26	02980038	1	TUBE, HYD 17 MACHETE
27	02970595	6	HHCS 3/8 NC 2-3/4 PL8
28	02971701	2	NUT SLOT 1-3/8 12NF PLB
29	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
30	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
31	00015800	6	LOCKNUT TLM 3/8-NC PLC
32	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
33	00002700	4	FLATWASHER 1/2 PL STD
34	000245	4	HHCS 1/2NC X 3 PL5
35	02998896	4	VINYL TAPE BLUE 1/2
36	02968894	4	VINYL TAPE RED 1/2" WIDE
37	02968834	4	VINYL TAPE ORANGE 1/2
38	000006	1	HHCS 5/16-18UNC 4-1/4 PL5
39	00750940	1	LOCKNUT TLM 5/16 NC PLB

**BOOM ASY - 17 FT (OPT ALLOY STEEL) - PN 02980034**

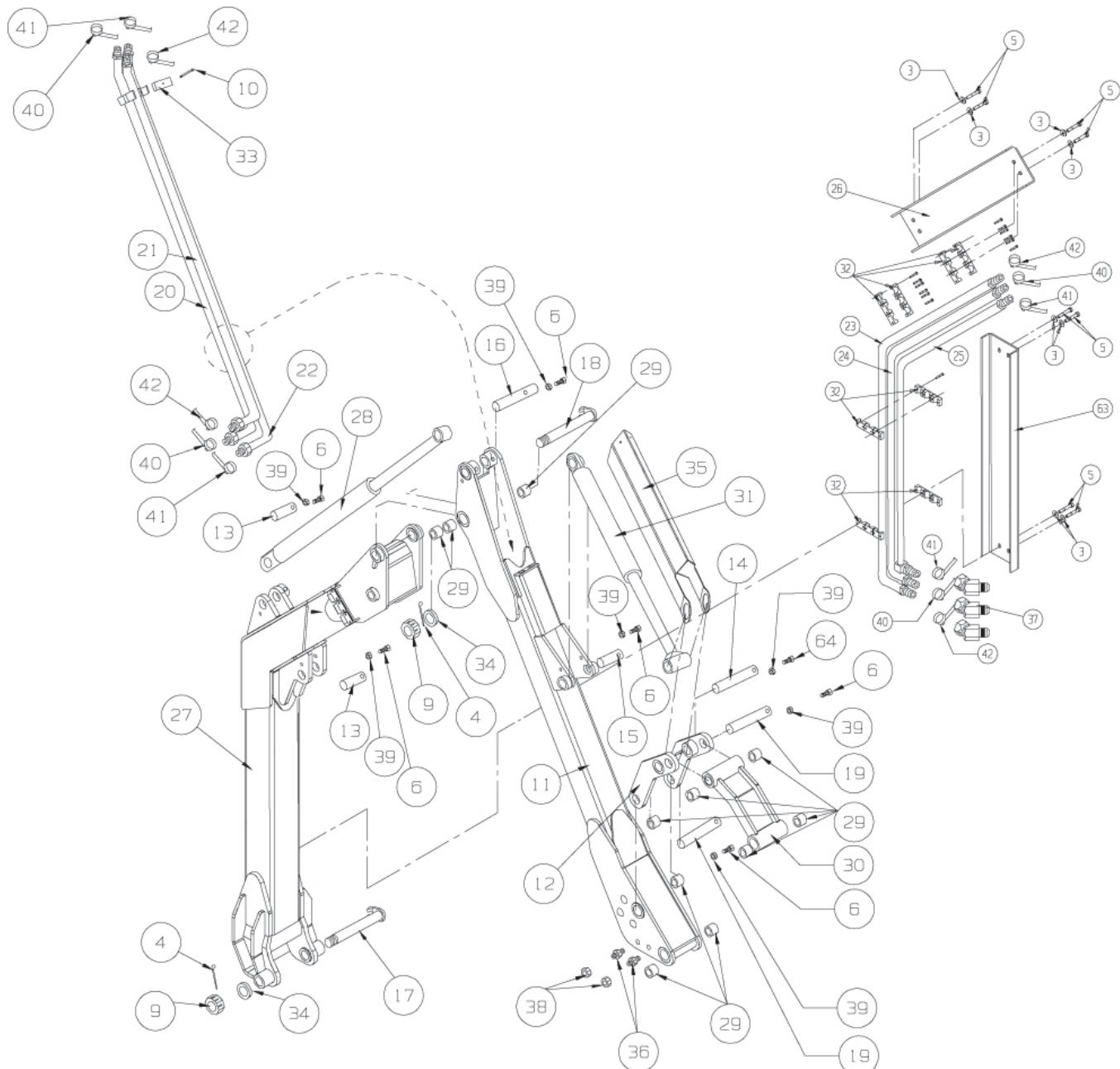


ITEM	PART NO.	QTY.	DESCRIPTION
	02980034	1	ASY, ALLOY BOOM 17 MACHETE
1	02980033	1	SECTION, LIFT 17 BOOM T-1
2	02980029	1	WLDMNT, ALLOY DIPPER SECTION
3	02979920	1	ASY, DIPPER CYLINDER
4	02979916	1	TUBE, HYDRAULIC 17 MACHETE
5	02979917	1	TUBE, HYD 17 MACHETE
6	02979918	1	TUBE, HYD 17 MACHETE

**BOOM ASY - 17 FT (OPT ALLOY STEEL) - PN 02980034****Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
7	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
8	02968806	1	ASSY,TILT CYLINDER
9	02972816W	1	WELDED, LINK ARM
10	02968805	1	LINKAGE ARM ASSEMBLY
11	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
12	02919600	2	CAP-NUT #4FJ
13	02971705	1	WELDMENT, PIN - 12LG
14	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
15	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
18	02971751	1	PIN, 1-1/2 X 5-3/16 CHROME
19	02971703	1	WELDMENT, PIN - 14-15/16LG
20	02979922	1	COVER, HYD TUBE
21	02979301	1	TUBE CLAMP 4 HALVES & TOP PLT.
22	02968838	1	CYL ROD GUARD ASSEMBLY
23	03200375	6	CLAMP
24	02980038	1	TUBE, HYD 17 MACHETE
25	02970595	6	HHCS 3/8 NC 2-3/4 PL8
26	02971701	2	NUT SLOT 1-3/8 12NF PLB
27	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
28	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
29	00015800	6	LOCKNUT TLM 3/8-NC PLC
30	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
31	00002700	4	FLATWASHER 1/2 PL STD
32	000245	4	HHCS 1/2NC X 3 PL5
33	02968896	4	VINYL TAPE BLUE 1/2
34	02968894	4	VINYL TAPE RED 1/2" WIDE
35	02968834	4	VINYL TAPE ORANGE 1/2
36	02980039	1	TUBE, HYD 17 MACHETE
37	02980040	1	TUBE, HYD 17 MACHETE
38	000006	1	HHCS 5/16-18UNC 4-1/4 PL5
39	00750940	1	LOCKNUT TLM 5/16 NC PLB

# BOOM ASY - 21 FT (STD STEEL) PN02968801



ITEM	PART NO.	QTY.	DESCRIPTION
	02968801	1	MACHETE, 21 FT BOOM ASY
3	00002700	8	FLATWASHER 1/2 PL STD
4	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
5	000245	8	HHCS 1/2NC X 3 PL5
6	02970595	6	HHCS 3/8 NC 2-3/4 PL8
9	02971701	2	NUT SLOTH 1-3/8 12NF PLB
10	02964673	1	HHCS 5/16NC 3-1/4 PL5
11	02968722	1	WELDMENT, 21 DIPPER SECTION

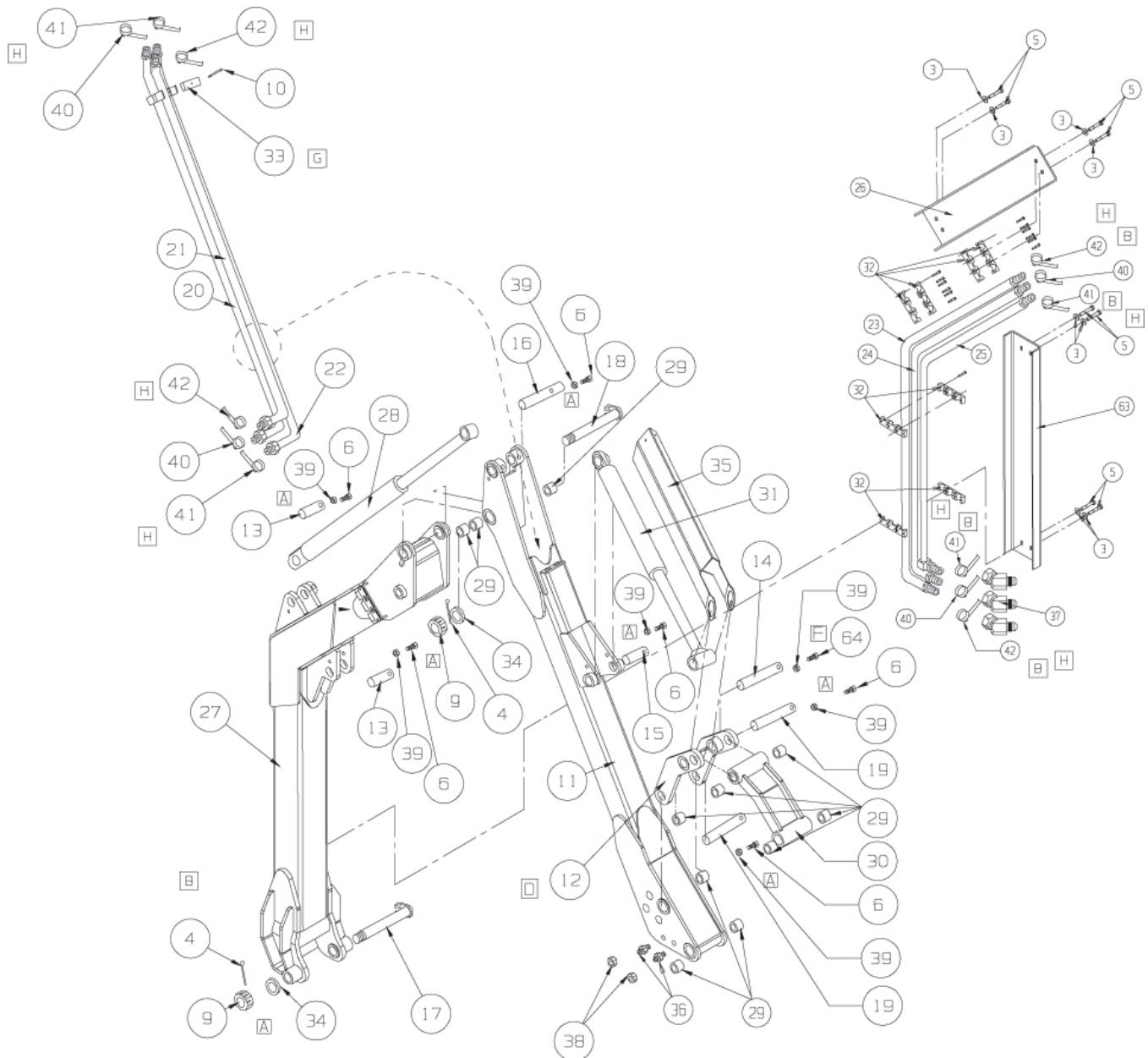
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## BOOM ASY - 21 FT (STD STEEL) PN02968801

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
12	02972816W	1	WELDED, LINK ARM
13	02971751	2	PIN, 1-1/2 X 5-3/16 CHROME
14	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
15	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971703	1	WELDMENT, PIN - 14-15/16LG
18	02971705	1	WELDMENT, PIN - 12LG
19	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
20	02968717	1	TUBING, HYDRAULIC-DIPPER SECT.
21	02968718	1	TUBING, HYDRAULIC-DIPPER SECT.
22	02968719	1	TUBING, HYD W/NUT-DIPPER SEC.
23	02968714	1	TUBING, HYDRAULIC-LIFT SECTION
24	02968715	1	TUBING, HYDRAULIC-LIFT SECTION
25	02968716	1	TUBING, HYDRAULIC-LIFT SECTION
26	02972156	1	PLATE, COVER 26-1/2 LG
27	02968713	1	WELDMENT-LIFT SECTION 21FT
28	02968802	1	ASSY, DIPPER CYLINDER
29	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
30	02968805	1	LINKAGE ARM ASSEMBLY
31	02968806	1	ASSY, TILT CYLINDER
32	03200375	12	CLAMP
33	02979301	1	TUBE CLAMP 4 HALVES & TOP PLT.
34	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
35	02968838	1	CYL ROD GUARD ASSEMBLY
36	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
37	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
38	02919600	2	CAP-NUT #4FJ
39	00015800	7	LOCKNUT TLM 3/8-NC PLC
40	02968894	4	VINYL TAPE RED 1/2" WIDE
41	02968834	4	VINYL TAPE ORANGE 1/2
42	02968896	4	VINYL TAPE BLUE 1/2" WIDE
64	02979028	1	HHCS 3/8 NC 3 PL8

# BOOM ASY - 21 FT (OPT ALLOY STEEL) PN 02970852



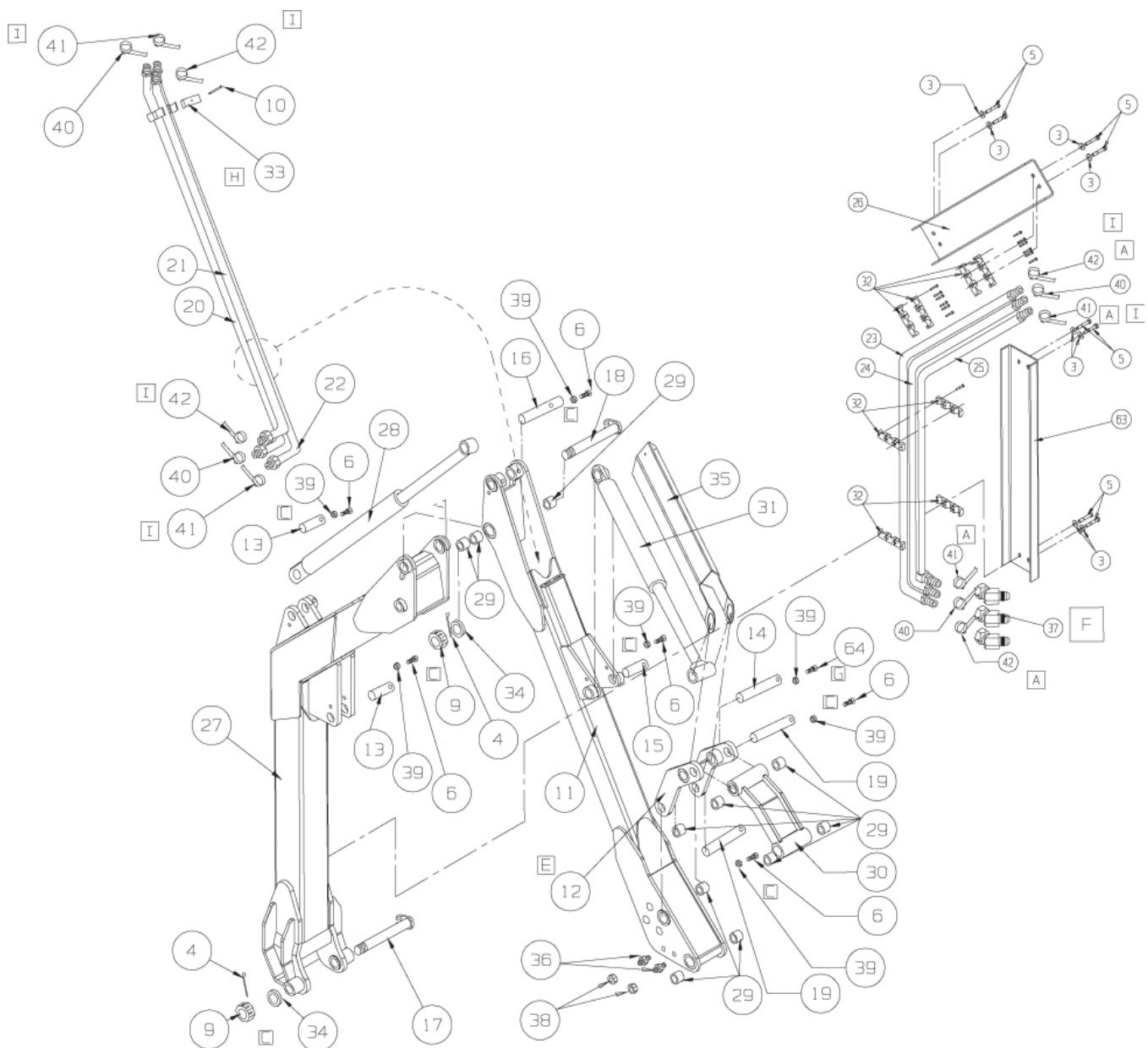
ITEM	PART NO.	QTY.	DESCRIPTION
	02970852	1	MACHETE, 21 ALLOY BOOM ASY
3	00002700	8	FLATWASHER 1/2 PL STD
4	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
5	000245	8	HHCS 1/2NC X 3 PL5
6	02970595	6	HHCS 3/8 NC 2-3/4 PL8
9	02971701	2	NUT SLOT 1-3/8 12NF PLB
10	02964673	1	HHCS 5/16NC 3-1/4 PL5
11	02970849	1	WELDMENT, 21DIPPER SECTION
12	02972816W	1	WELDED, LINK ARM

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

**BOOM ASY - 21 FT (OPT ALLOY STEEL) PN 02970852****Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
13	02971751	2	PIN, 1-1/2 X 5-3/16 CHROME
14	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
15	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971703	1	WELDMENT, PIN - 14-15/16LG
18	02971705	1	WELDMENT, PIN - 12LG
19	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
20	02968717	1	TUBING, HYDRAULIC-DIPPER SECT.
21	02968718	1	TUBING, HYDRAULIC-DIPPER SECT.
22	02968719	1	TUBING, HYD W/NUT-DIPPER SEC.
23	02968714	1	TUBING, HYDRAULIC-LIFT SECTION
24	02968715	1	TUBING, HYDRAULIC-LIFT SECTION
25	02968716	1	TUBING, HYDRAULIC-LIFT SECTION
26	02972156	1	PLATE, COVER 26-1/2 LG
27	02970848	1	WELDMENT, 21LIFT SECTION
28	02968802	1	ASSY, DIPPER CYLINDER
29	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
30	02968805	1	LINKAGE ARM ASSEMBLY
31	02968806	1	ASSY, TILT CYLINDER
32	03200375	12	CLAMP
33	02979301	1	TUBE CLAMP 4 HALVES & TOP PLT.
34	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
35	02968838	1	CYL ROD GUARD ASSEMBLY
36	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
37	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
38	02919600	2	CAP-NUT #4FJ
39	00015800	7	LOCKNUT TLM 3/8-NC PLC
40	02968894	4	VINYL TAPE RED 1/2" WIDE
41	02968834	4	VINYL TAPE ORANGE 1/2
42	02968896	4	VINYL TAPE BLUE 1/2" WIDE
64	02979028	1	HHCS 3/8 NC 3 PL8

# BOOM ASY - 24 FT (STD STEEL) - PN 02968861



ITEM	PART NO.	QTY.	DESCRIPTION
	02968861	1	MACHETE, 24 BOOM ASY STD STEEL
3	00002700	8	FLATWASHER 1/2 PL STD
4	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
5	000245	8	HHCS 1/2NC X 3 PL5
6	02970595	6	HHCS 3/8 NC 2-3/4 PL8
9	02971701	2	NUT SLOT 1-3/8 12NF PLB
10	02964673	1	HHCS 5/16NC 3-1/4 PL5
11	02967380	1	WELDMENT, 24DIPPER SECTION
12	02972816W	1	WELDED, LINK ARM

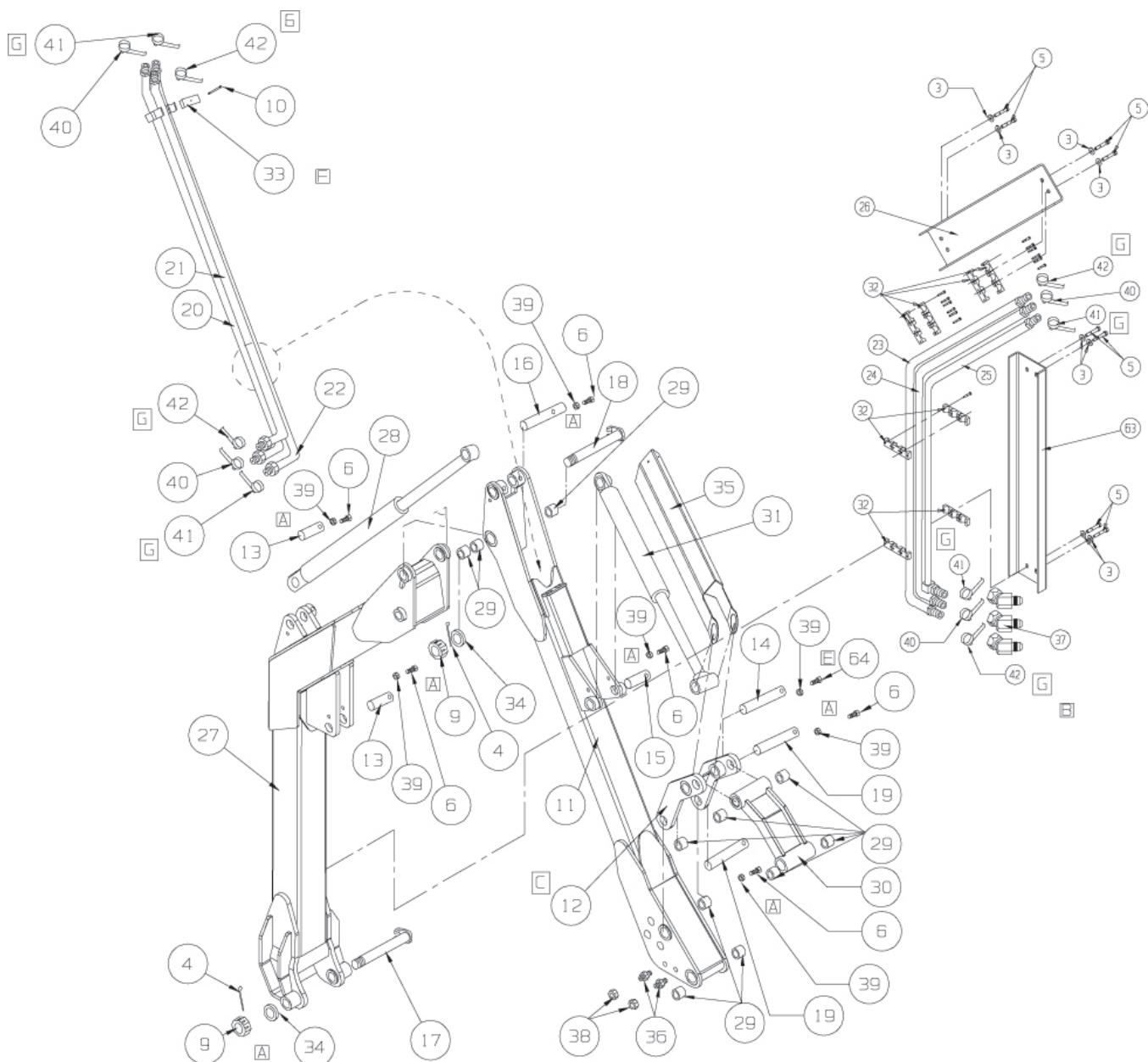
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## BOOM ASY - 24 FT (STD STEEL) - PN 02968861

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
13	02971751	2	PIN, 1-1/2 X 5-3/16 CHROME
14	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
15	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971703	1	WELDMENT, PIN - 14-15/16LG
18	02971705	1	WELDMENT, PIN - 12LG
19	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
20		1	
21		1	
22		1	
23		1	
24		1	
25		1	
26	02972157	1	PLATE, COVER 36 LG
27	02967640	1	WELDMENT-LIFT SECTION 24FT
28	02968802	1	ASSY,DIPPER CYLINDER
29	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
30	02968805	1	LINKAGE ARM ASSEMBLY
31	02968806	1	ASSY,TILT CYLINDER
32	03200375	12	CLAMP
33	02979301	2	TUBE CLAMP 4 HALVES & TOP PLT.
34	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
35	02968838	1	CYL ROD GUARD ASSEMBLY
36	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
37	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
38	02919600	2	CAP-NUT #4FJ
39	00015800	7	LOCKNUT TLM 3/8-NC PLC
40	02968894	4	VINYL TAPE RED 1/2" WIDE
41	02968834	4	VINYL TAPE ORANGE 1/2
42	02968896	4	VINYL TAPE BLUE 1/2" WIDE
63	02972158	1	PLATE, COVER 42 LG
64	02979028	1	HHCS 3/8 NC 3 PL8

**BOOM ASY - 24 FT (OPT ALLOY STEEL) (PART1) - PN 02970853**

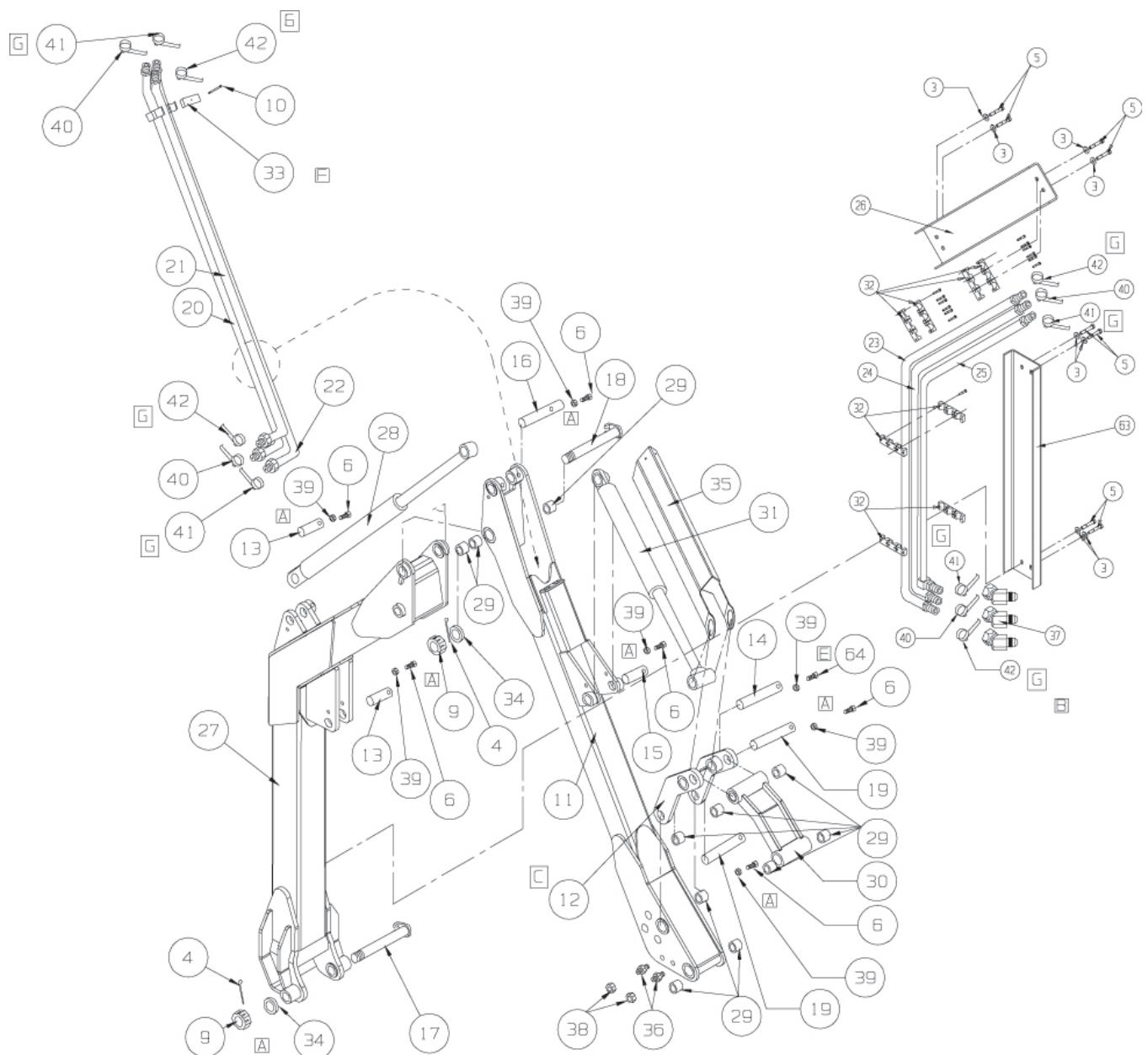


ITEM	PART NO.	QTY.	DESCRIPTION
	02970853	1	MACHETE, 24 OPT ALLOY STEEL BOOM ASY
3	00002700	8	FLATWASHER 1/2 PL STD
4	165020	2	PIN, COTTER 5/16 X 2-1/2 PL
5	000245	8	HHCS 1/2NC X 3 PL5
6	02970595	6	HHCS 3/8 NC 2-3/4 PL8
9	02971701	2	NUT SLOT 1-3/8 12NF PLB
10	02964673	1	HHCS 5/16NC 3-1/4 PL5
11	02970851	1	WELDMENT,24DIPPER SECTION
12	02972816W	1	WELDED, LINK ARM

**BOOM ASY - 24 FT (OPT ALLOY STEEL) (PART1) - PN 02970853****Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
13	02971751	2	PIN, 1-1/2 X 5-3/16 CHROME
14	02971754	1	PIN, 1-1/2 X 8-5/16 CHROME
15	02971753	1	PIN, 1-1/2 X 7-9/16 CHROME
16	02971752	1	PIN, 1-1/2 X 6-11/16 CHROME
17	02971703	1	WELDMENT, PIN - 14-15/16LG
18	02971705	1	WELDMENT, PIN - 12LG
19	02971755	2	PIN, 1-1/2 X 9-9/16 CHROME
20		1	
21		1	
22		1	
23		1	
24		1	
25		1	
26	02972157	1	PLATE,COVER 36 LG
27	02970850	1	WELDMENT,24LIFT SECTION
28	02968802	1	ASSY,DIPPER CYLINDER
29	02968803	7	BSHG TF 1-3/4OD X 1-1/2ID X 2
30	02968805	1	LINKAGE ARM ASSEMBLY
	02968803	4	BSHG TF 1-3/4OD X 1-1/2ID X 2
31	02968806	1	ASSY, TILT CYLINDER
32	03200375	12	CLAMP
33	02979301	2	TUBE CLAMP 4 HALVES & TOP PLT.
34	02971702	2	FLATWASHER 1-3/8 TYPE B NARROW
35	02968838	1	CYL ROD GUARD ASSEMBLY
36	02965448	2	ADP HYD STGHT 4MJ-4MJ BLKHD
37	02959154	3	ADP HYD ELBOW 16MJ -16FJX 45
38	02919600	2	CAP-NUT #4FJ
39	00015800	7	LOCKNUT TLM 3/8-NC PLC
40	02968894	4	VINYL TAPE RED 1/2" WIDE
41	02968834	4	VINYL TAPE ORANGE 1/2
42	02968896	4	VINYL TAPE BLUE 1/2" WIDE
63	02972158	1	PLATE,COVER 42 LG

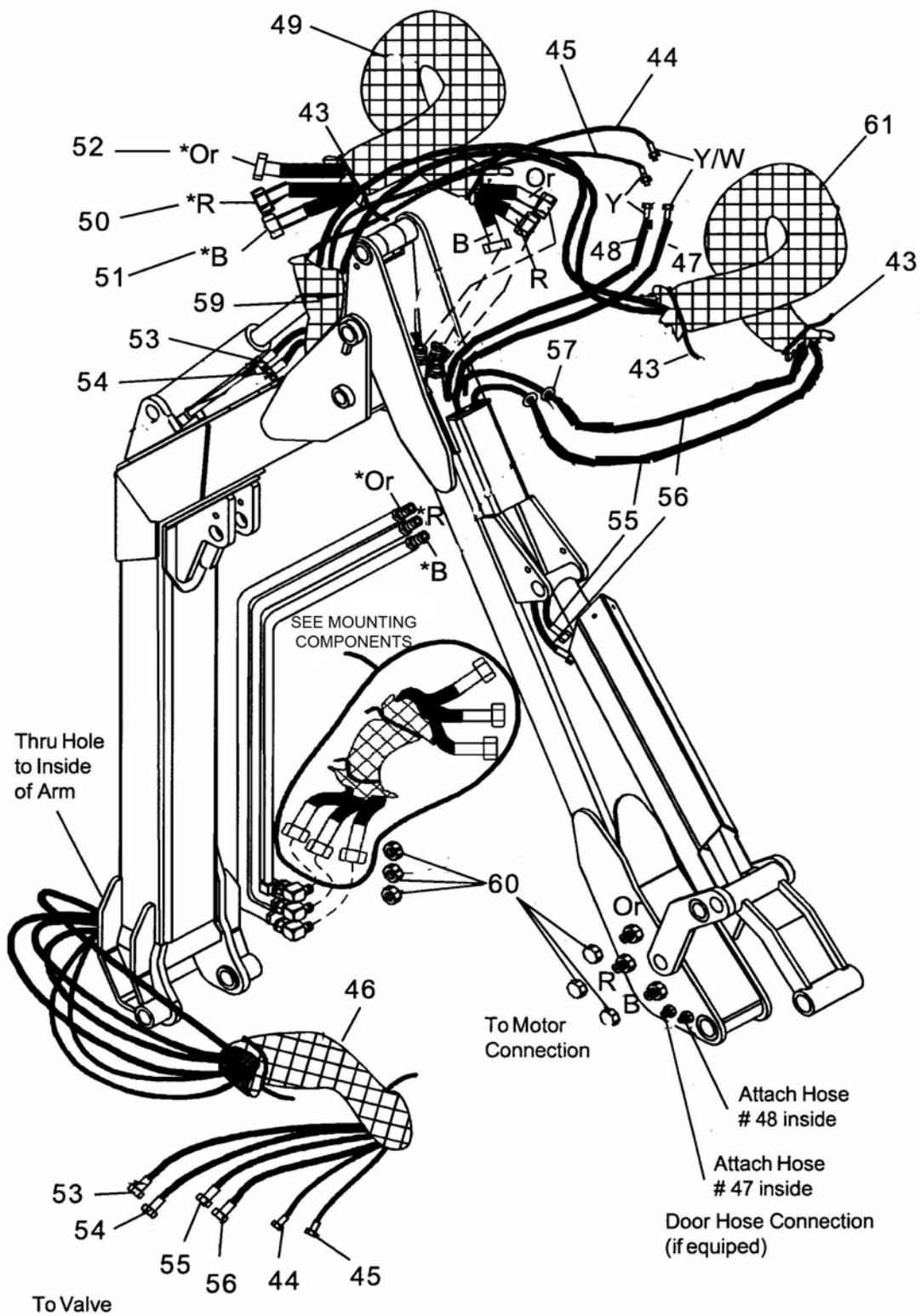
**BOOM ASY - 24 FT (OPT ALLOY STEEL) (PART 2) - PN 02970853**



ITEM	PART NO.	QTY.	DESCRIPTION
64	02979028	1	HHCS 3/8 NC 3 PL8

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

**BOOM HOSE SCHEMATIC - 17 FT BOOM ARM**



## BOOM HOSE SCHEMATIC - 17 FT BOOM ARM

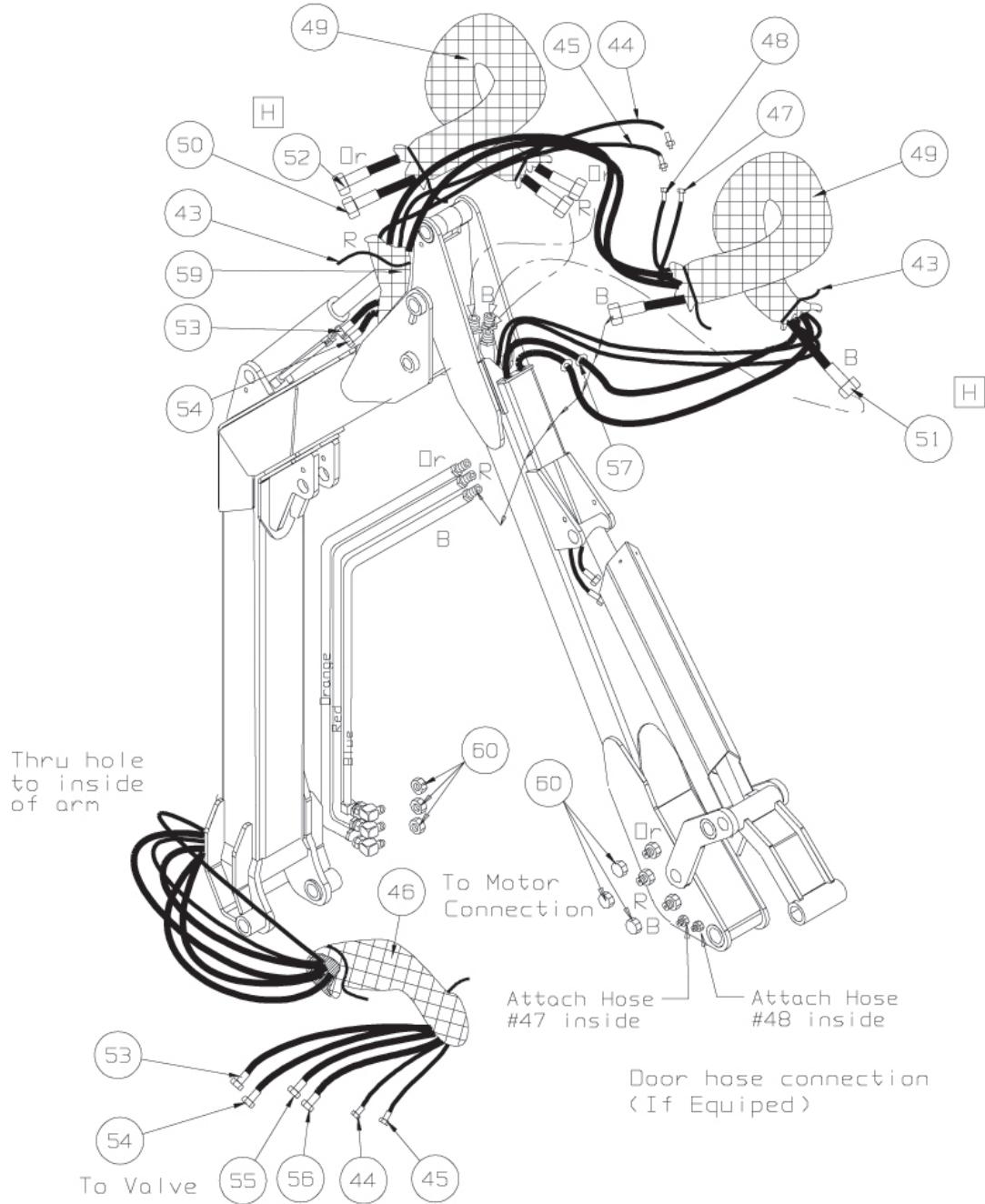
**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979902	-	BOOM ARM ASY, F/ STD STEEL BOOM
	02980034	-	BOOM ARM ASY, F/ ALLOY STEEL BOOM
43	02753400	6	PLASTIC TIE
44	02980018	1	HOSE, 134" (SMALL) W/ YELLOW / WHITE TIE
45	02980019	1	HOSE, 134" (SMALL) W/ YELLOW TIE
46	02906300	1	HOSE SLEEVING, 48" LG
47	02969124	1	HOSE, 60" (SMALL) W/ YELLOW / WHITE TIE
48	02969124	1	HOSE, 60" (SMALL) W/ YELLOW TIE
49	02961085	1	HOSE SLEEVING, 54" LG
50	02980014	1	HOSE, (LARGE) - W/ RED TIE
51	02980015	1	HOSE, (LARGE) - W/ BLUE TIE
52	02980016	1	HOSE, (LARGE) - W/ ORANGE TIE
53	02980020	1	HOSE, (MEDIUM) - W/ BLUE TIE
54	02980021	1	HOSE, (MEDIUM) - W/ BLUE / WHITE TIE
55	02980022	1	HOSE, (MEDIUM) - W/ RED TIE
56	02980023	1	HOSE, (MEDIUM) - W/ RED / WHITE TIE
57	02968807	2	RUBBER GROMMET
59	02968808	1	HOSE SLEEVING, 36" LG
60	02956918	-	CAP NUT, F/ SHIPPING ONLY
61	02979240	1	HOSE SLEEVING, 2-1/2" ID X 36" LG

## BOOM HOSE SCHEMATIC - 21 FT BOOM ARM

Hydraulic Hose Connection

Color(s)	Size	Direction
Red (R) Orange (Or) Blue (B)	#16	Pressure Flow
	#16	Return Flow
	#16	Case Drain
Red Tie Red/White Tie Blue Tie Blue/White Tie	#6	Tilt Cylinder Rod End
	#6	Tilt Cylinder Butt End
	#6	Dipper Cylinder Rod End
	#6	Dipper Cyl Butt End



## BOOM HOSE SCHEMATIC - 21 FT BOOM ARM

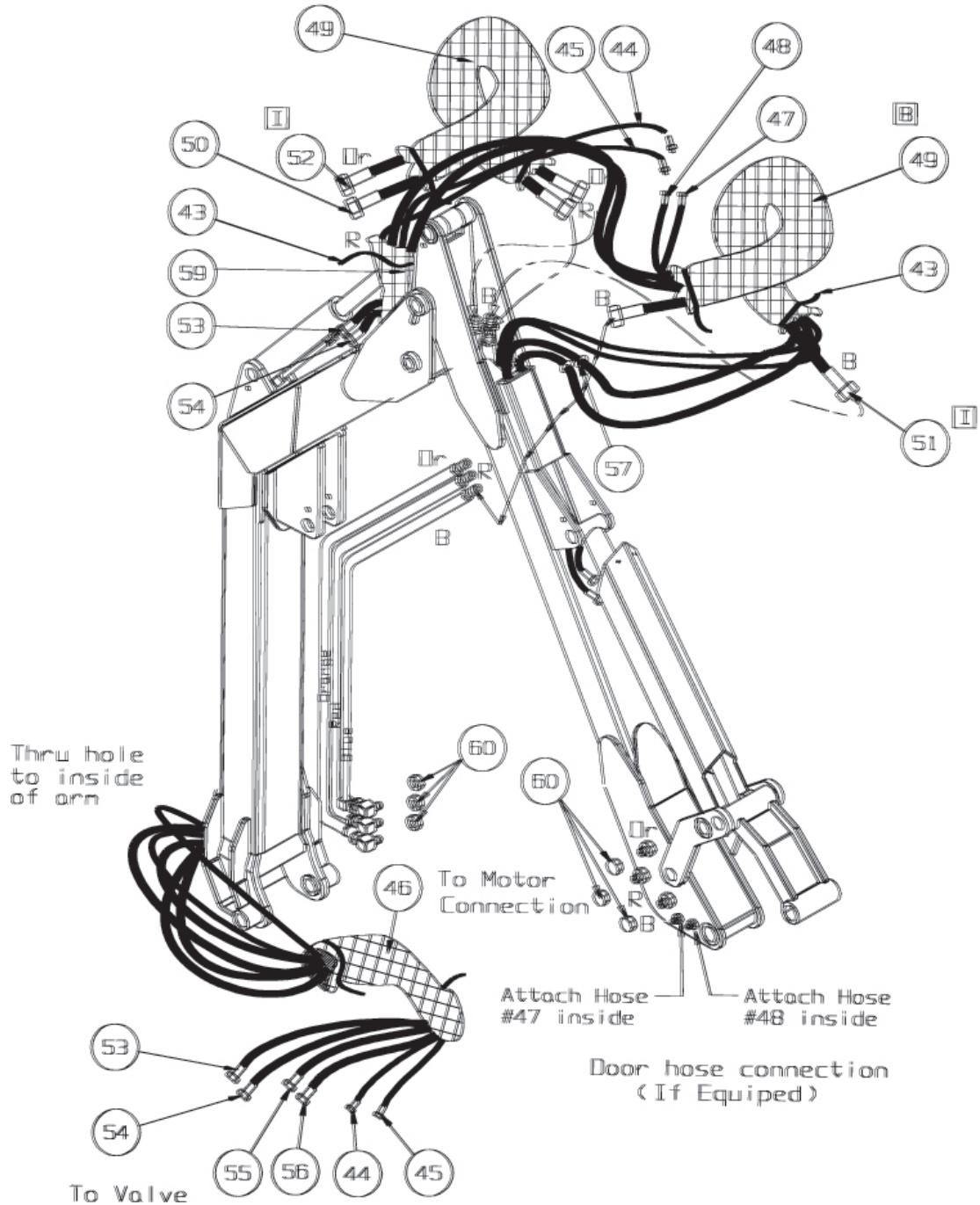
**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02968801	-	BOOM ARM ASY, STD STEEL (OPTIONAL)
	02970852	-	BOOM ARM ASY, ALLOY STEEL (OPTIONAL)
43	02753400	6	PLASTIC TIE
44	02969121	1	HOSE, 184" (SMALL) - W/ YELLOW / WHITE TIE
45	02969122	1	HOSE, 184" (SMALL) - W/ YELLOW TIE
46	02906300	1	HOSE SLEEVING, 48" LG
47	02969123	1	HOSE, 60" (SMALL) - W/ YELLOW / WHITE TIE
48	02969124	1	HOSE, 60" (SMALL) - W/ YELLOW TIE
49	02961085	2	HOSE SLEEVING, 54" LG
50	02968159	1	HOSE, (LARGE) - W/ RED TIE
51	02993593	1	HOSE, (LARGE) - W/ ORANGE TIE
52	02968827	1	HOSE, (LARGE) - W/ ORANGE TIE
53	02968151	1	HOSE, (MEDIUM) - W/ BLUE TIE
54	02968152	1	HOSE, (MEDIUM) - W/ BLUE / WHITE TIE
55	02968153	1	HOSE, (MEDIUM) - W/ RED TIE
56	02968154	1	HOSE, (MEDIUM) - W/ RED / WHITE TIE
57	02968807	2	RUBBER GROMMET
59	00751838	1	HOSE SLEEVING
60	02956918	-	CAP NUT, F/ SHIPPING ONLY
61	00900265	1	PAINT, TEXAS YELLOW
62	02969118	1	DECAL KIT, MACHETE BOOM 21`
63	02972157	1	COVER
64	02979028	1	HHCS 3/8 NC 3 PLB

## BOOM HOSE SCHEMATIC - 24 FT BOOM ARM

Hydraulic Hose Connection

Color(s)	Size	Direction
Red (R)	#16	Pressure Flow
Orange (Or)	#16	Return Flow
Blue (B)	#16	Case Drain
Red Tie	#6	Tilt Cylinder Rod End
Red/White Tie	#6	Tilt Cylinder Butt End
Blue Tie	#6	Dipper Cylinder Rod End
Blue/White Tie	#6	Dipper Cyl Butt End

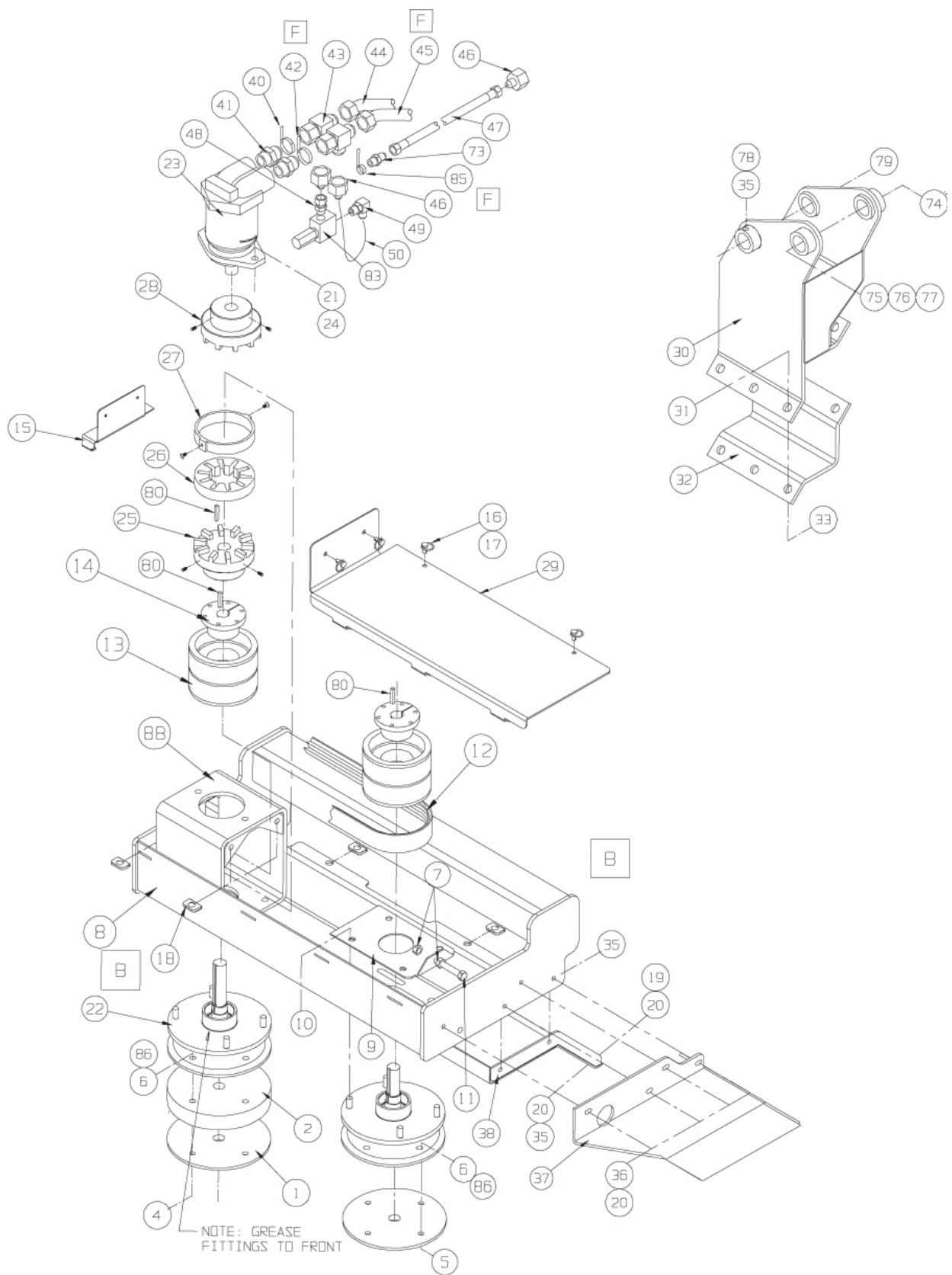


## BOOM HOSE SCHEMATIC - 24 FT BOOM ARM

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02968861	-	BOOM ARM ASY, STD STEEL (OPTIONAL)
	02970853	-	BOOM ARM ASY, ALLOY STEEL (OPTIONAL)
43	02753400	6	PLASTIC TIE
44	02969121	1	HOSE, 184" (SMALL) - W/ YELLOW / WHITE TIE
45	02969122	1	HOSE, 184" (SMALL) - W/ YELLOW TIE
46	02906300	1	HOSE SLEEVING, 48" LG
47	02969125	1	HOSE, 120" (SMALL) - W/ YELLOW / WHITE TIE
48	02969126	1	HOSE, 120" (SMALL) - W/ YELLOW TIE
49	02961085	2	HOSE SLEEVING, 54" LG
50	02968159	1	HOSE, (LARGE) - W/ RED TIE
51	02993593	1	HOSE, (LARGE) - W/ ORANGE TIE
52	02968827	1	HOSE, (LARGE) - W/ ORANGE TIE
53	02968862	1	HOSE, (MEDIUM) - W/ BLUE TIE
54	02968863	1	HOSE, (MEDIUM) - W/ BLUE / WHITE TIE
55	02968864	1	HOSE, (MEDIUM) - W/ RED TIE
56	02968865	1	HOSE, (MEDIUM) - W/ RED / WHITE TIE
57	02968807	2	RUBBER GROMMET
59	00751838	1	HOSE SLEEVING
60	02956918	-	CAP NUT, F/ SHIPPING ONLY
61	00900265	1	PAINT, TEXAS YELLOW
62	02969119	1	DECAL KIT, MACHETE BOOM 24`
63	02972158	1	PLASTIC COVER
64	02979028	1	HHCS 3/8 NC 3 PL8

**BUZZBAR ASY - 48 IN (PART 1) - PN 02979265**

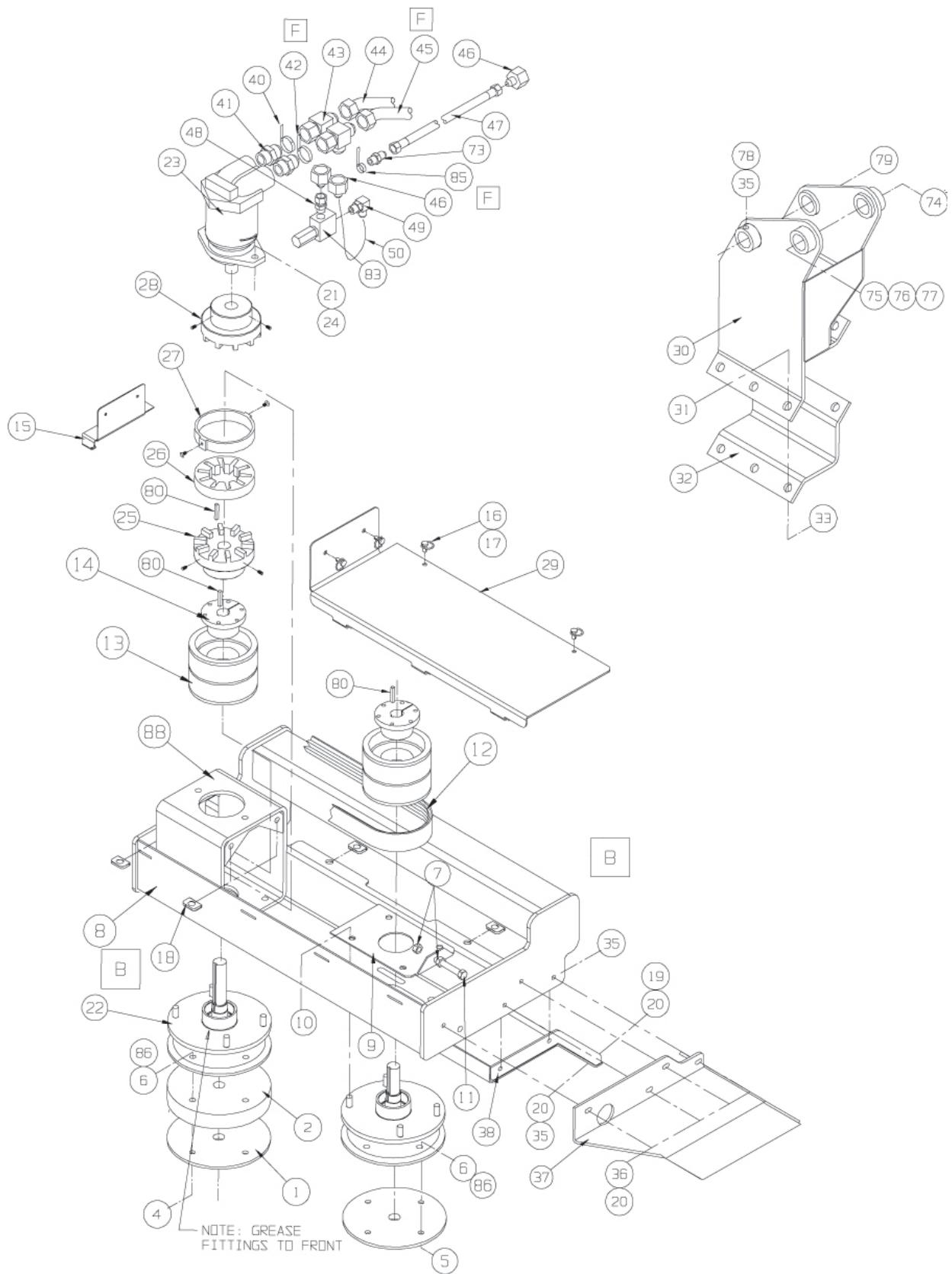


## BUZZBAR ASY - 48 IN (PART 1) - PN 02979265

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979265	1	SAW HEAD ASY, 48 INCH 2 BLADE
1	02974237	4	END CAP
2	02974238	2	BLADE SPACER
3	02974235	3	SPINDLE ASY
4	02974659	8	BOLT, SOCKET HEAD CNTR-SNK 1/2"-NC X 3-1/2"
5	02974658	8	BOLT, SOCKET HEAD CNTR-SNK 1/2"-NC X 2"
6	02976017	16	SLOTTED NUT, 1/2"-NC PLB
7	00001200	6	HEX NUT, 1/2"-NC PL
8	02979269	1	SAW BODY WLD`MT, 2 BLADE
9	02974225	3	BRACKET TENSION ADJUSTMENT
10	00750614	16	LUG NUT, 1/2"-20NF 90DEG
11	002521	3	BOLT, HEX HEAD 1/2"-NC X 3-1/2" PL GR5
12	02974241	3	V-BELT
13	02974239	4	SHEAVE, W/GROOVE
14	02974240	4	BUSHING QD
15	02979271	1	BELT COVER, LEFT 2
16	02975441	9	STUD, QUICK RELEASE W/RING
17	02975440	9	RETAINER F/ QUICK RELEASE
18	02975439	9	RECEIVER F/ QUICK RELEASE
19	00011400	1	BOLT, HEX HEAD 3/8"-NC X 1" PL GR5
20	00011100	10	FLATWASHER, 3/8" PL STD
21	00001800	6	LOCKNUT TLM 1/2 NC PLC
22	02978249	1	DRIVE SPINDLE ASY
23	8301295	1	MOTOR, PISTON-2.48 CU.IN./REV
24	00749130	8	BOLT, HEX HEAD 1/2"-13NC X 1-3/4" PL GR5
25	02978267	1	HUB, 1-1/8" BORE & 1/4" KEY
26	02978268	1	INSERT, URETHANE
27	02978269	1	COVER, PROTECTIVE NYLON
28	02978270	1	HUB, 1-1/8" BORE & 5/16" KEY
29	02979296	1	SHEET, BELT COVER SHORT
30	02976149	1	HITCH POST WLD`MT
31	00037200	6	LOCKNUT, 3/4"-NC PLC
32	02970324	1	HITCH POST CLAMP PLATE
33	02918600	6	BOLT, HEX HEAD 3/4"-10NC X 2" PL GR8
34	02979272	1	MOUNT TUBE WLD`MT, 2 BLADE
35	00015800	9	LOCKNUT, 3/8"-NC PLB
36	00023100	8	BOLT, HEX HEAD 3/8"-16NC X 1-1/2" PL GR5
37	02974207	1	BUMPER
38	02979274	1	REAR SHIELD WLD`MT
39	02975600	-	SAW BLADE PACKAGE OF 2
40	02968894	1	VINYL TAPE RED 1/2" WIDE

**BUZZBAR ASY - 48 IN (PART 2) - PN 02979265**

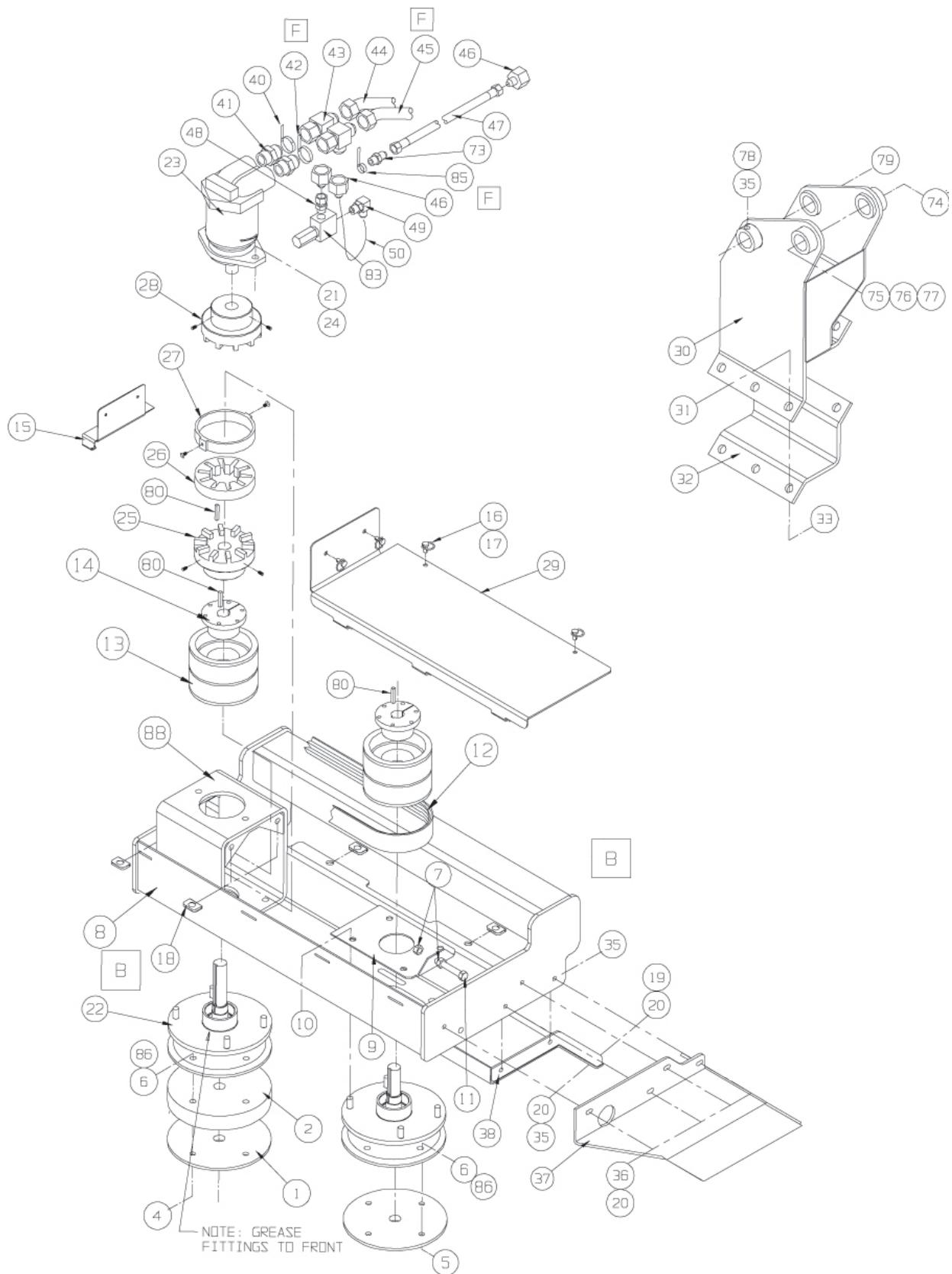


## BUZZBAR ASY - 48 IN (PART 2) - PN 02979265

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
41	02957622	2	ADAPTER, HYD STRAIGHT
42	02968834	1	VINYL TAPE ORANGE 1/2
43	02970466	2	ADAPTER, HYD, TEE
44	02975437	1	HOSE, # 16 - 16FJX - 16FJX45 - 74" LG (RED TIE)
45	02993596	-	HOSE, 16 - 16FJX - 16FJX45 - 74" LG (ORANGE TIE)
46	02969464	3	ADAPTER, HYD REDUCER
47	02972981	1	HOSE, # 8 - 8FJX - 8FJX - 80" LG (BLUE TIE)
48	02975438	1	ADAPTER, HYD STRAIGHT 8MB - 8FJX
49	02962213	1	ADAPTER, HYD ELBOW
50	02158800	1	HOSE, # 8 - 8FJX - 8FJX - 17" LG
51	00758194	1	DECAL, WARNING BELT SHIELD
52	00769736	1	DECAL, USE/REPAIR GUARDS
53	00769737	1	DECAL, BLADES THROWN OBJECTS
54	02925100	1	DECAL, REPLACEMENT PARTS
55	02958241	1	DECAL, TRACTOR OPERATOR SAFETY
56	02962764	1	DECAL, PINCH POINTS
57	00756004	1	DECAL, SHIELD MISSING
58	02965262	1	DECAL, WARNING HOSE BURST
59	02967827	1	DECAL, MULTI HAZ
60	02960766	2	DECAL, ALAMO INDUSTRIAL LOGO
61	02974998	1	DECAL, BUZZBAR
62	D138	1	DECAL, CW BLADE ROTATION
63	02975158	1	DECAL, HEAR PROTECTION REQD
64	02975170	1	DECAL, ROTATING BLADES
65	02975515	1	DECAL, WARNING DISCONNECT
66	02975516	1	DECAL, NO HITCH POST HERE
68	---NFS----	-	PLATE, SERIAL NUMBER BB90
69	---NFS----	-	METAL TACK
70	02979546	1	DECAL, ALAMO IND. GREEN & BLACK
71	1458392	1	DECAL, RED REFLECTOR
72	1458393	1	DECAL, YELLOW REFLECTOR
73	00696800	1	ADAPTER, HYD STRAIGHT
74	02971720	1	PIN WLD'MT, 11-1/2" LG
75	02971702	1	FLATWASHER, 1-3/8" TYPE B NARROW
76	02971701	1	SLOTTED NUT, 1-3/8"-12NF PLB
77	165020	1	COTTER PIN, 5/16" X 2-1/2" PL
78	02970595	1	BOLT, HEX HEAD 3/8"-NC X 2-3/4" PL GR8
79	02971756	1	PIN, CHROME 1-1/2" X 9"
80	02669600	5	KEY, 1/4" X 1/4" X 1-1/4" LG

**BUZZBAR ASY - 48 IN (PART 3) - PN 02979265**

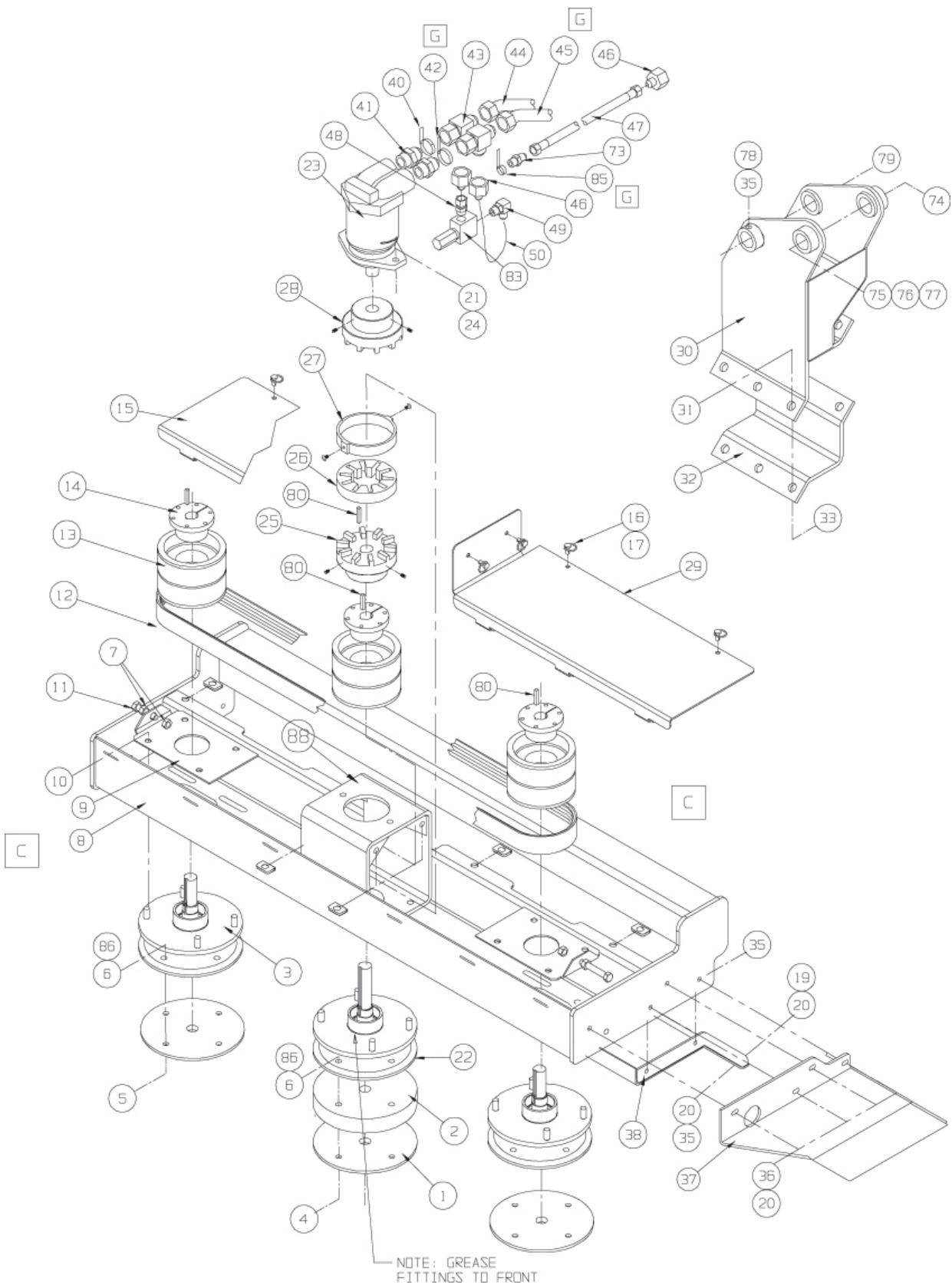


## BUZZBAR ASY - 48 IN (PART 3) - PN 02979265

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
82	02975928	1	INSERT SHEET, BUZZBAR MACHETE
83	02975964	1	RELIEF MANIFOLD ASY, 2900 PSI
84	02919600	2	CAP NUT, # 4FJ
85	02968896	1	VINYL TAPE BLUE 1/2
86	40010000	16	COTTER PIN, 1/8" X 1"
87	63000500	16	WASHER, PLATED
88	02979262	1	MOTOR MOUNT TUBE, MACHINED

**BUZZBAR ASY - 69 IN (PART 1) - PN 02979249**

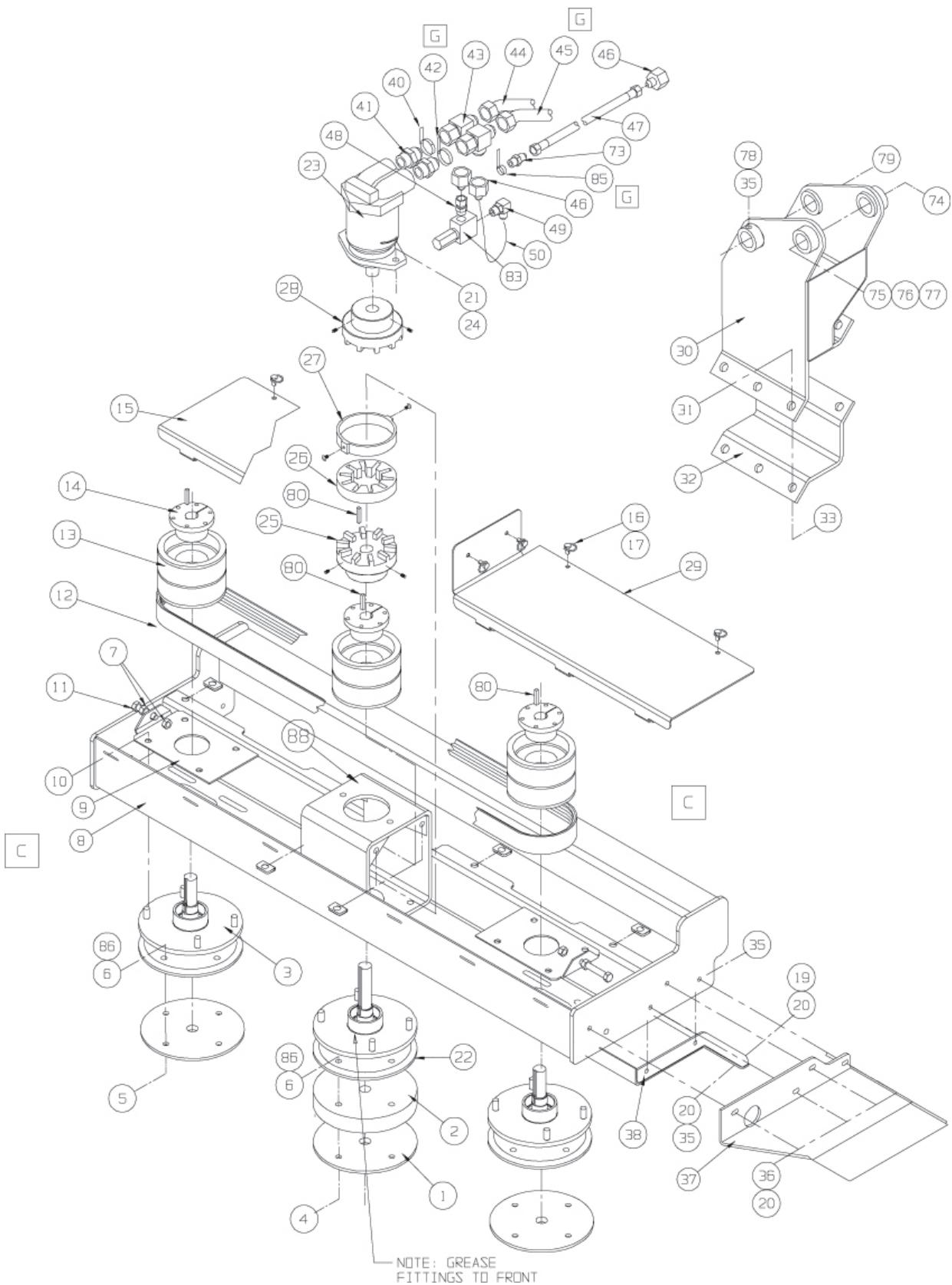


## BUZZBAR ASY - 69 IN (PART 1) - PN 02979249

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02979249	1	SAW BLADE HEAD ASY, 69
1	02974237	4	END CAP
2	02974238	2	BLADE SPACER
3	02974235	3	SPINDLE ASY
4	02974659	4	BOLT, SOCKET CNTR-SNK 1/2"-NC X 3-1/2" W/HOLE
5	02974658	8	BOLT, SOCKET CNTR-SNK 1/2"-NC X 2" W/HOLE
6	02976017	12	SLOTTED NUT, 1/2"-NC PLB
7	00001200	6	HEX NUT, 1/2"-NC PL
8	02979253	1	SAW BODY WLD`MT, 3 BLADE
9	02974225	3	TENSION ADJUSTMENT BRACKET
10	00750614	16	LUG NUT, 1/2"-20NF 90DEG
11	002521	3	BOLT, HEX HEAD 1/2"-NC X 3-1/2" PL GR5
12	02974241	3	V-BELT
13	02974239	3	SHEAVE W/GROOVE
14	02974240	3	BUSHING, QD
15	02979255	1	SHEET, BELT COVER, LEFT 3 BLADE
16	02975441	9	STUD, QUICK RELEASE W/RING
17	02975440	9	RETAINER F/QUICK RELEASE
18	02975439	9	RECEIVER F/ QUICK RELEASE
19	00011400	1	BOLT, HEX HEAD 3/8"-NC X 1 PL GR5
20	00011100	10	FLATWASHER, 3/8" PL STD
21	00001800	6	LOCKNUT TLM 1/2 NC PLC
22	02978249	1	DRIVE SPINDLE ASY
23	8301295	1	MOTOR, PISTON-2.48 CU.IN./REV
24	00749130	8	BOLT, HEX HEAD 1/2"-13NC X 1-3/4" PL GR5
25	02978267	1	HUB, 1-1/8" BORE X 1/4" KEY
26	02978268	1	INSERT, URETHANE
27	02978269	1	COVER, PROTECTIVE NYLON
28	02978270	1	HUB, 1-1/8" BORE X 5/16" KEY
29	02979296	1	BELT COVER, SHORT
30	02976149	1	HITCH POST WLD`MT
31	00037200	6	LOCKNUT, 3/4"-NC PLC
32	02970324	1	PLATE, HITCH POST CLAMP
33	02918600	6	BOLT, HEX HEAD 3/4"-10NC X 2" PL GR8
34	02979256	1	HITCH TUBE WLD`MT, 3 BLADE
35	00015800	9	LOCKNUT, 3/8"-NC PLB
36	00023100	8	BOLT, HEX HEAD 3/8"-16NC X 1-1/2" PL GR5
37	02974207	1	BUMPER
38	02979258	1	SHIELD WLD`MT, REAR
39	02975600	-	SAW BLADE PACKAGE OF 2
40	02968894	1	VINYL TAPE RED 1/2" WIDE

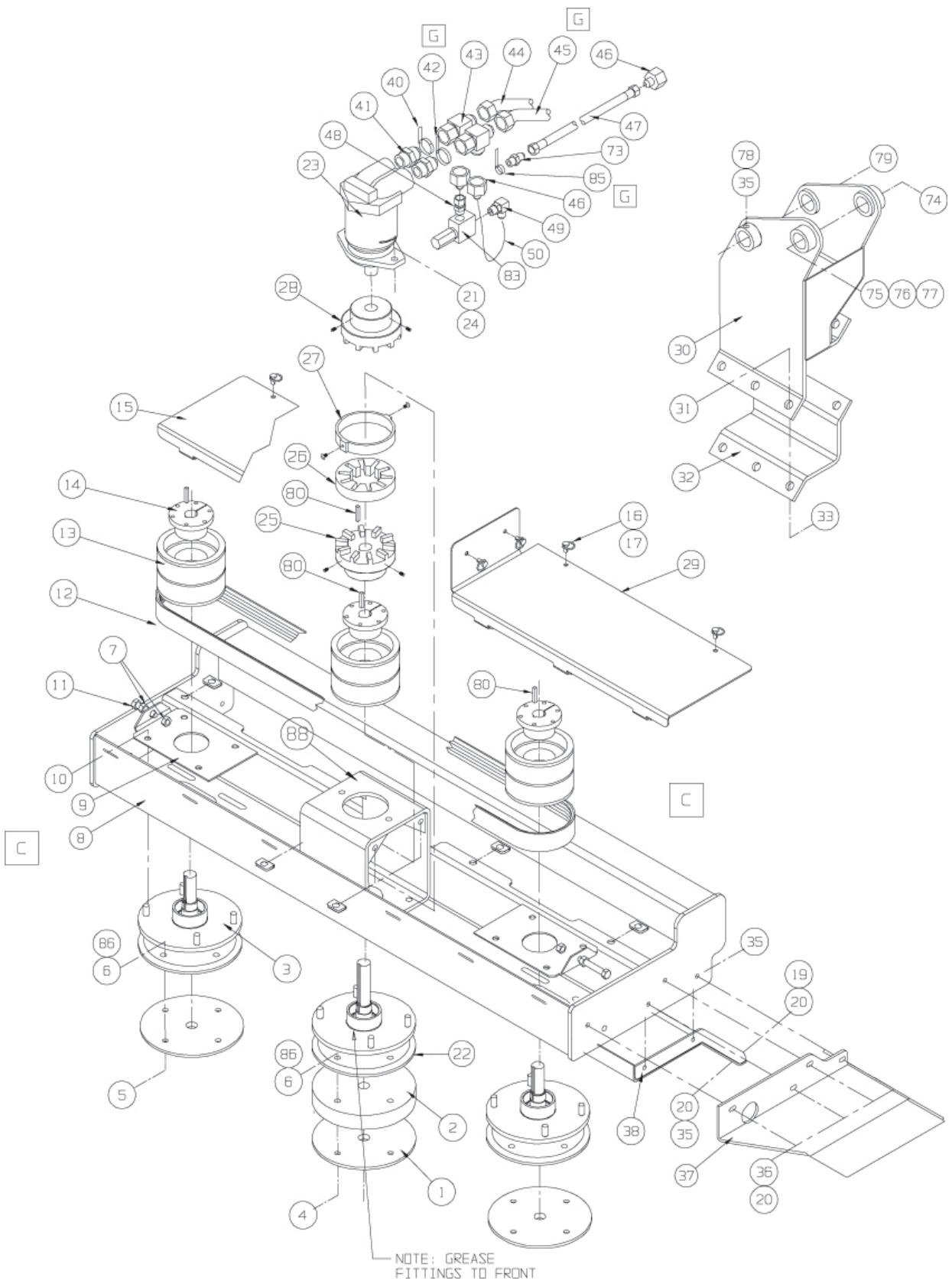
**BUZZBAR ASY - 69 IN (PART 2) - PN 02979249**



**BUZZBAR ASY - 69 IN (PART 2) - PN 02979249****Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
41	02957622	2	ADAPTER, HYD STRAIGHT
42	02968834	1	VINYL TAPE ORANGE 1/2
43	02970466	2	ADAPTER, HYD TEE
44	02975437	-	HOSE 16-16FJX -16FJX45- 74LG (RED)
45	02993596	1	HOSE 16 - 16FJX - 16FJX45 - 74 (ORANGE)
46	02969464	3	ADAPTER, HYD REDUCER
47	02972981	1	HOSE 8 - 8FJX - 8FJX - 80 (BLUE)
48	02975438	1	ADAPTER, HYD STRAIGHT 8MB - 8FJX
49	02962213	1	ADAPTER, HYD ELBOW
50	02158800	1	HOSE, # 8 - 8FJX - 8FJX - 17" LG
68	---NFS----	-	SERIAL NUMBER PLATE BB90
69	---NFS----	-	METAL TACK
73	00696800	1	ADAPTER, HYD STRAIGHT
74	02971720	1	PIN WLD MT, 11-1/2" LG
75	02971702	1	FLATWASHER, 1-3/8" TYPE B NARROW
76	02971701	1	SLOTTED NUT, 1-3/8"-12NF PLB
77	165020	1	COTTER PIN, 5/16" X 2-1/2" PL
78	02970595	1	BOLT, HEX HEAD 3/8"-NC X 2-3/4" PL GR8
79	02971756	1	PIN, 1-1/2" X 9" CHROME
80	02669600	4	KEY, 1/4" SQ KEY 1-1/4" LG.

# BUZZBAR ASY - 69 IN (PART 3) - PN 02979249

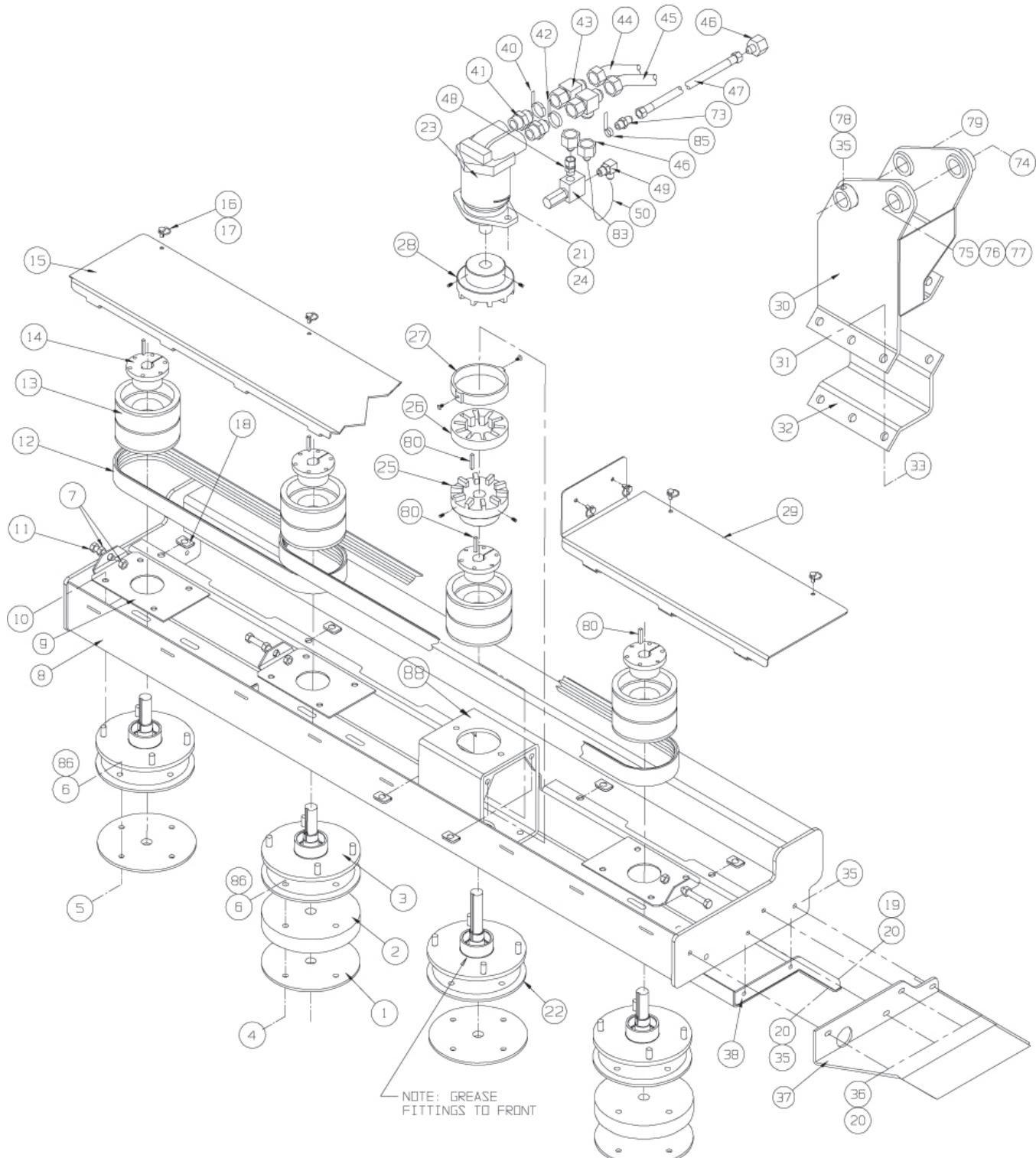


## BUZZBAR ASY - 69 IN (PART 3) - PN 02979249

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
82	02975928	1	INSERT SHEET, BUZZBAR MACHETE
83	02975964	1	RELIEF MANIFOLD ASY, 2900 PSI
84	02919600	2	CAP NUT, # 4FJ
85	02968896	1	VINYL TAPE BLUE 1/2
86	40010000	12	COTTER PIN, 1/8" X 1"
87	63000500	12	WASHER, PLATED
88	02979262	1	MOTOR MOUNT TUBE, MACHINED

## BUZZBAR ASY - 90 IN (PART 1) - PN 02974203



ITEM	PART NO.	QTY.	DESCRIPTION
	02974203	1	ASY 4 BLADE SAW HEAD
1	02974237	4	END CAP

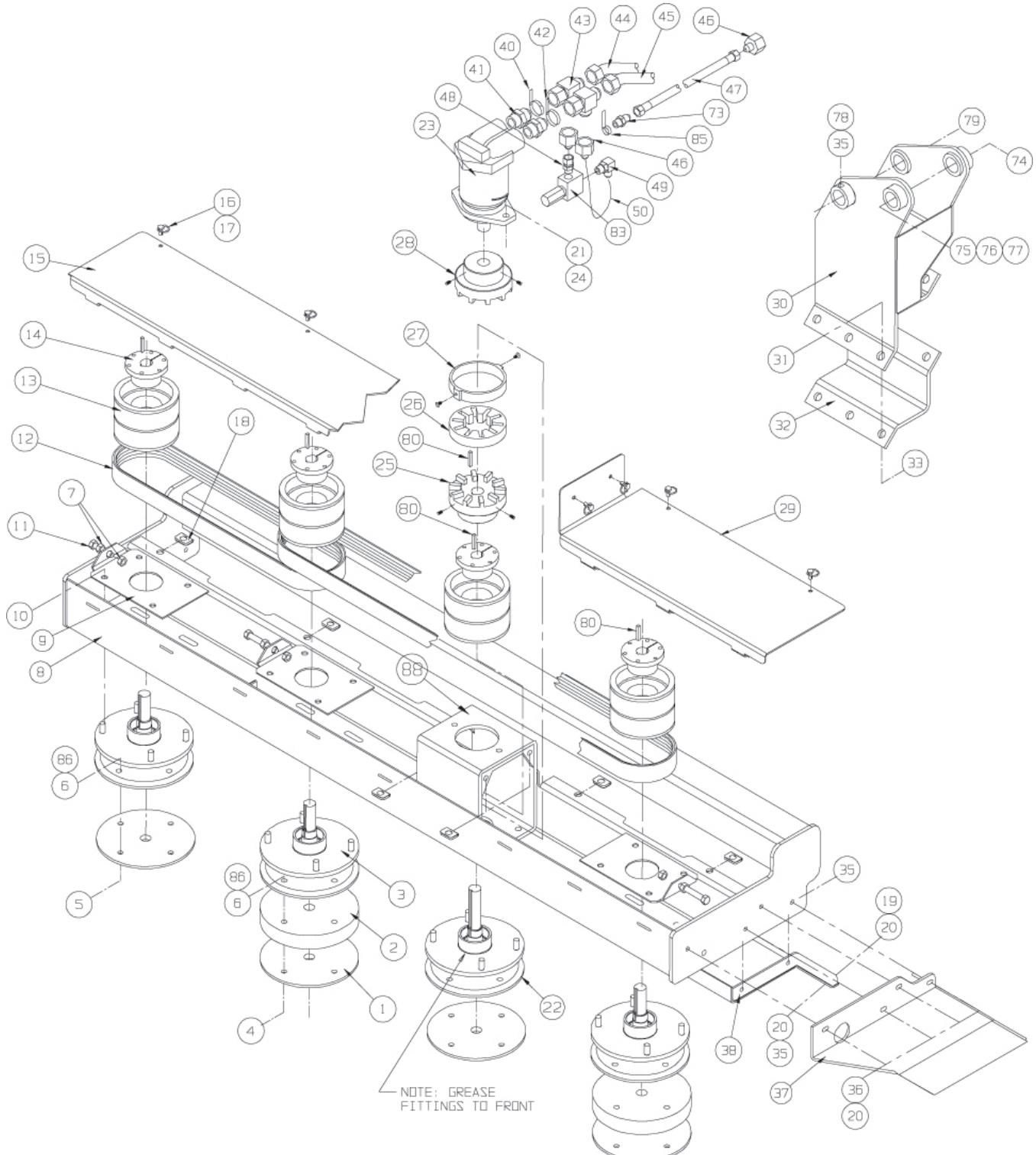
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## BUZZBAR ASY - 90 IN (PART 1) - PN 02974203

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
2	02974238	2	SPACER
3	02974235	3	ASY SPINDLE
4	02974659	8	CSSH 1/2 NC 3-1/2
5	02974658	8	CSSH 1/2 NC 2
6	02976017	16	NUT, SLOTTED 1/2 NC PLB
7	00001200	6	NUT 1/2 NC HEX PL
8	02979295	1	USE 02983633
9	02974225	3	BRACKET TENSION ADJUSTMENT
10	00750614	16	NUT 1/2-20NF 90DEG.CONE LUG PL
11	002521	3	HHCS 1/2 NC 3-1/2 PL5
12	02974241	3	BELT POLY-V 615L10
13	02974239	4	SHEAVE POLY-V 20L6.00 W/GROOVE
14	02974240	4	BUSHING QD-SK 1-1/8
15	02979297	1	SHEET, BELT COVER LONG, 4
16	02975441	9	STUD QUICK RELEASE W/RING
17	02975440	9	RETAINER FOR QUICK RELEASE
18	02975439	9	RECEIVER FOR QUICK RELEASE
19	00011400	1	HEXB 3/8 NC 1 PL5
20	00011100	10	FLATWASHER STD 3/8
21	00001800	6	LOCKNUT TLM 1/2 NC PLC
22	02978249	1	ASY,DRIVE SPINDLE
23	8301295	1	MOTOR,PISTON-2.48 CU.IN./REV
24	00749130	8	HHCS 1/2-13UNC 1-3/4 PL5
25	02978267	1	HUB 20R10 1-1/8 BORE 1/4 KEY
26	02978268	1	INSERT, URETHANE FOR 20R10
27	02978269	1	COVER, PROTECTIVE NYLON FOR
28	02978270	1	HUB 20R10 1-1/8 BORE 5/16 KEY
29	02979296	1	SHEET, BELT COVER SHORT
30	02976149	1	WLDMT HITCH POST
31	00037200	6	NUT 3/4-NC TOPLOCK GRC PL
32	02970324	1	PLATE,HITCH POST CLAMP
33	02918600	6	HEXB 3/4-10UNC 2 PL8
34	02974215	1	WLDMT HITCH TUBE 4 BLADE SAW
35	00015800	9	LOCKNUT TLM 3/8-NC PLC
36	00023100	8	HHCS 3/8 -16UNC 1-1/2 PL5
37	02974207	1	BUMPER
38	02974212	1	WLDMT SHIELD REAR
39	02975600	1	SAW BLADE PACKAGE OF 2
40	02968894	1	VINYL TAPE RED 1/2" WIDE

**BUZZBAR ASY - 90 IN (PART 2) - PN 02974203**



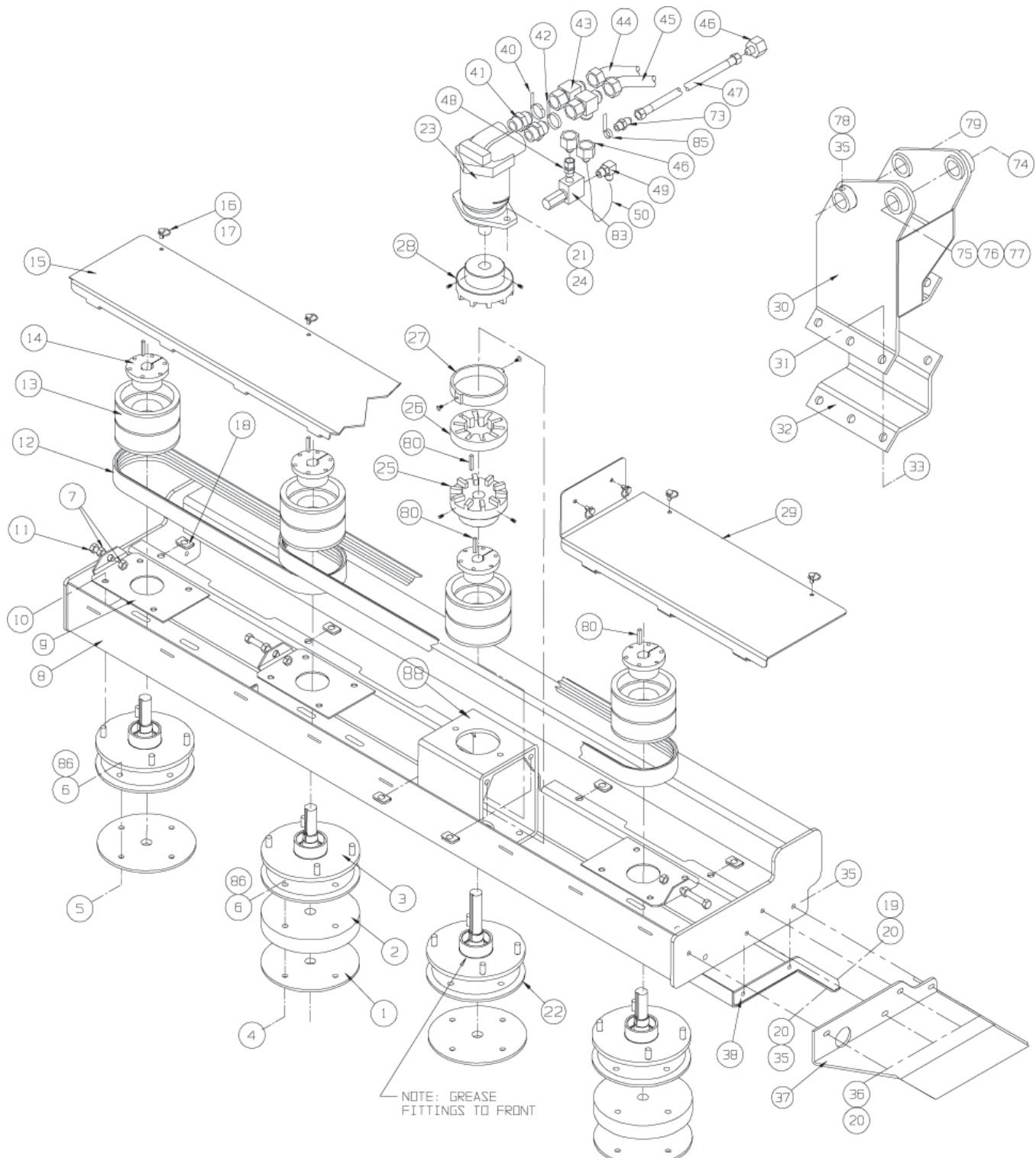
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
41	02957622	2	ADP HYD STGHT 16MB-16MJ
42	02968834	1	VINYL TAPE ORANGE 1/2

## BUZZBAR ASY - 90 IN (PART 2) - PN 02974203

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
43	02970466	2	ADP HYD TEE 16FJX-16MJ-16MJ
44	02975437	1	HOSE #16-16FJX -16FJX45- 74LG
45	02993596	-	HOSE
46	02969464	3	ADP HYD STGHT 16FJ-8MJ
47	02972981	1	HOSE #8 - 8FJX - 8FJX - 80LG
48	02975438	1	ADP HYD STGHT 8MB - 8FJX
49	02962213	1	ADP HYD ELBOW 8MB - 8MJ 90?
50	02158800	1	HOSE #8 - 8FJX - 8FJX - 17LG
51	00758194	1	DECAL,WARNING BELT SHIELD
52	00769736	1	DECAL,USE/REPAIR GUARDS
53	00769737	1	DECAL,BLADES THROWN OBJECTS
54	02925100	1	DECAL-REPLACEMENT PARTS
55	02958241	1	DECAL-TRACTOR OPERATOR SAFETY
56	02962764	1	DECAL - PINCH POINTS
57	00756004	1	DECAL-SHIELD MISSING
58	02965262	1	DECAL-,WARNING OIL LEAK
59	02967827	1	DECAL, MULTI-HAZARD
60	00757139	2	DECAL, ALAMO INDUSTRIAL
61	02974998	1	DECAL BUZZBAR
62	D138	1	DECAL,CW BLADE ROTATION
63	02975158	1	DECAL HEAR PROTECTION REQD
64	02975170	1	DECAL ROTATING BLADES
65	02975515	1	DECAL WARNING DISCONNECT
66	02975516	1	DECAL NO HITCH POST HERE
68	02975513	1	PLATE SERIAL NUMBER BB90
69		4	
70	02979546	1	DECAL, ALAMO IND. GREEN & BLACK
71	1458392	1	DECAL,RED REFLECTOR
72	1458393	1	DECAL,YELLOW REFLECTOR
73	00696800	1	ADP HYD STGHT 8MB-8MJ
74	02971720	1	WELDMENT, PIN - 11-1/2LG
75	02971702	1	FLATWASHER 1-3/8 TYPE B NARROW
76	02971701	1	NUT SLOT 1-3/8 12NF PLB
77	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
78	02970595	1	HHCS 3/8 NC 2-3/4 PL8
79	02971756	1	PIN, 1-1/2 X 9 CHROME
80	02669600	5	KEY 1/4 SQ X 1 1/4 LG.

**BUZZBAR ASY - 90 IN (PART 3) - PN 02974203**



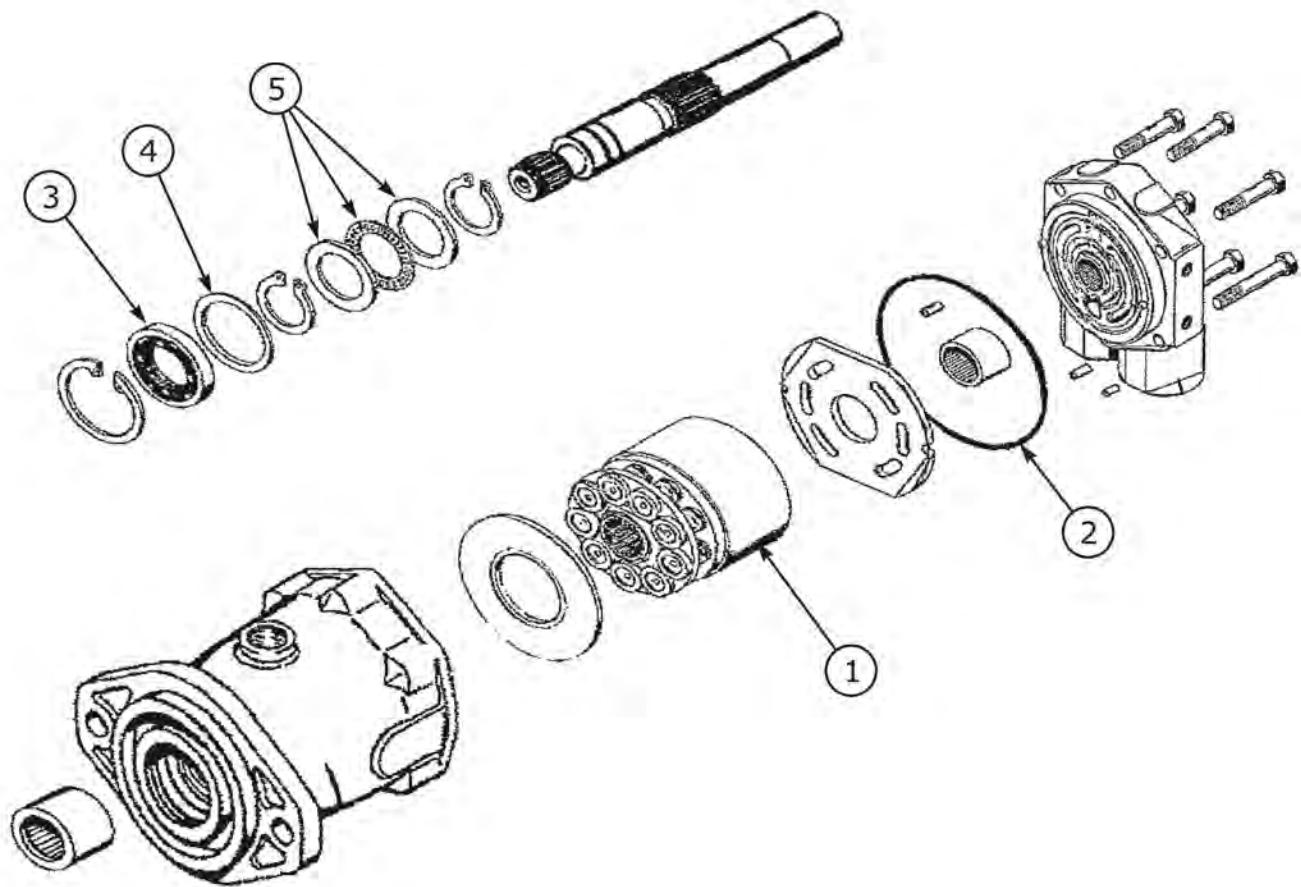
ITEM	PART NO.	QTY.	DESCRIPTION
82	02975928	1	INSERT SHEET BUZZBAR MACHETE
83	02975964	1	ASY RELIEF MANIFOLD 2900 PSI

## BUZZBAR ASY - 90 IN (PART 3) - PN 02974203

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
84	02919600	2	CAP-NUT #4FJ
85	02968896	1	VINYL TAPE BLUE 1/2" WIDE
86	40010000	16	PIN, COTTER 1/8 X1
87	63000500	16	WASHER, FLAT, PLATED
88	02979262	1	MACHINED TUBE, MOTOR MOUNT

## BUZZBAR MOTOR ASSEMBLY



02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## BUZZBAR MOTOR ASSEMBLY

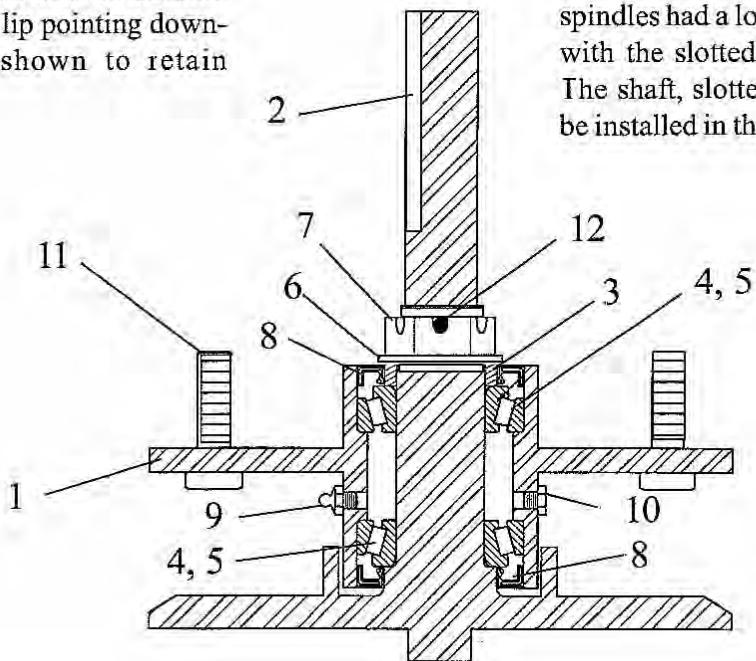
**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	8301295	1	MOTOR,PISTON-2.48 CU.IN./REV
1	001641	1	ASSY, ROTATING KIT
2	03200409	1	O-RING
3	02988181	1	KIT,HIGH PRESSURE, SEAL & RING
4	03200411	1	WASHER
5	001644	2	BRG. & RACE SET
	02975345	1	SEAL KIT

## BUZZBAR SPINDLE ASY - SN BB-01219

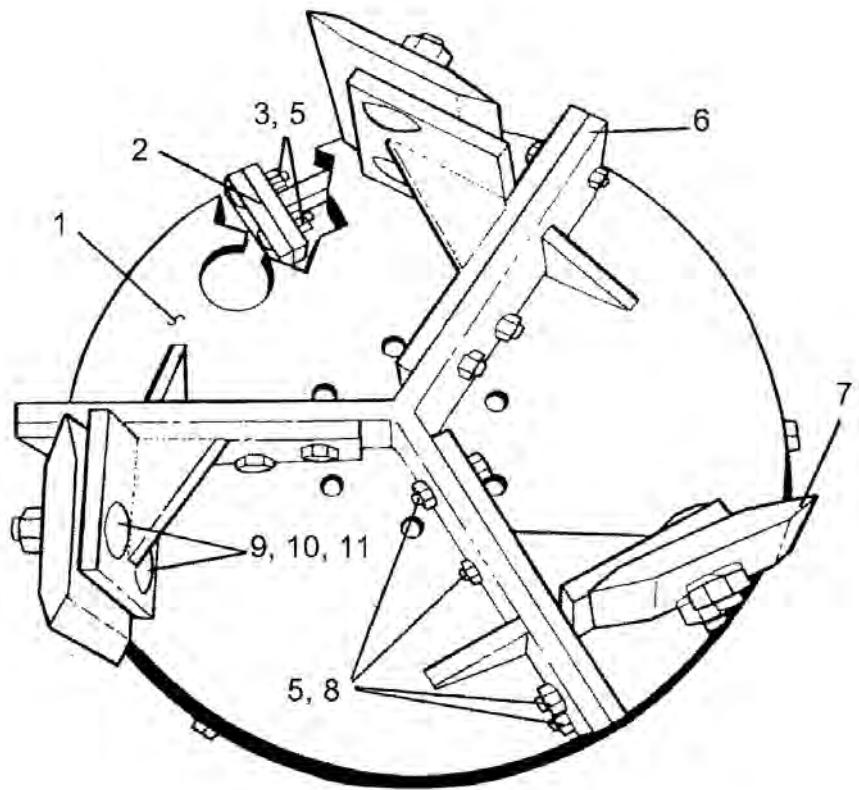
Note: Install top seal (item 8) before installing bearing collar (item 3). Seal must be installed with inner lip pointing downward as shown to retain grease.

Note: Drive spindle and non-drive spindles are the same except for the shaft. These spindles were used from S/N BB90-01219 and up. The older spindles had a locking tab nut which was replaced with the slotted nut and cotter pin shown here. The shaft, slotted nut, cotter pin and washer can be installed in the older spindles.



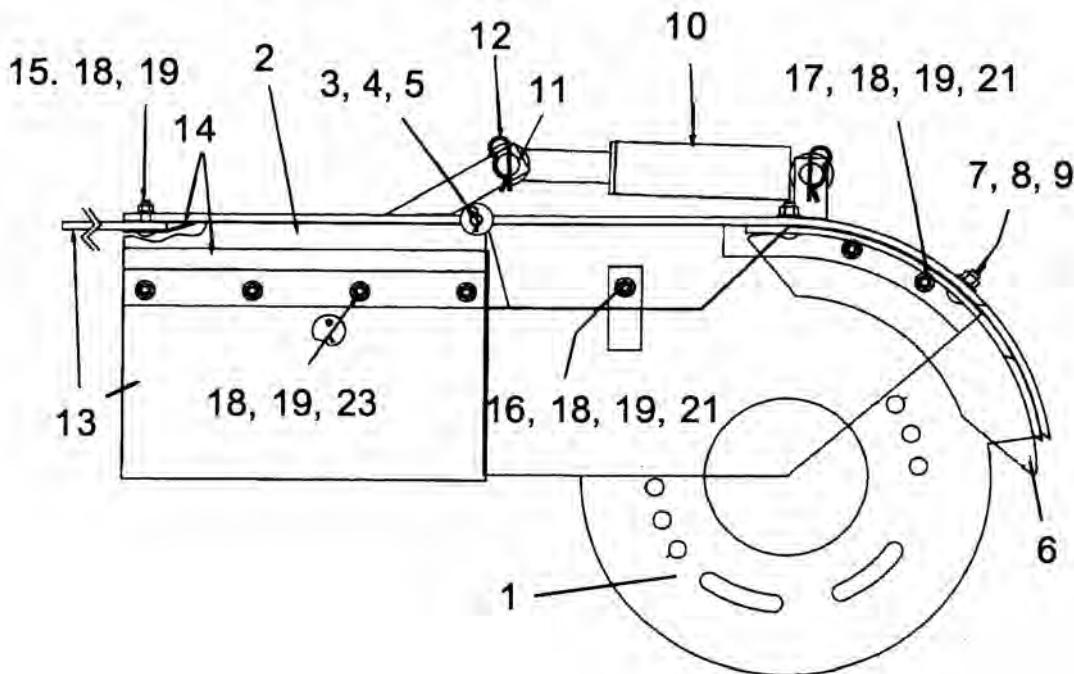
ITEM	PART NO.	QTY.	DESCRIPTION
	02978249	1	SPINDLE ASY, DRIVE SPINDLE (SHOWN)
	02974235	-	SPINDLE ASY, NON-DRIVE (NOT SHOWN)
1	02974224	1	SPINDLE HOUSING, MACHINED
2	02978472	-	SPINDLE SHAFT, NON-DRIVE SPINDLE
	02978257	1	SPINDLE SHAFT, DRIVE SPINDLE
3	02974234	-	COLLAR, BEARING PRELOAD
4	70044	-	BEARING CUP, UPPER OR LOWER
5	5312314	-	BEARING CONE, UPPER OR LOWER
6	15C2000	-	WASHER, 1-1/4" HARDEND
7	5D20120	-	SLOTTED HEX NUT, 1-1/4"-12NF PL
8	00766549	-	SEAL, UPPER OR LOWER
9	00003500	-	GREASE FITTING, 1/8" STRAIGHT
10	02959018	-	GREASE RELIEF FITTING, 1-5LBS
11	00752177	-	BOLT, STUD 1/2"-20NF X 1-7/8"
12	00606000	-	COTTER PIN, 3/16" X 2"

## DITCHER - BLADE CARRIER ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	02875301	-	BLADE HEAD ASY, W/ BLADES (FORWARD ROTATION)
1	02875400	1	BLADE HEAD WLD'MT
2	02875900	3	WEAR PLATE
3	02886900	6	BOLT
5	00001800	18	LOCKNUT TLM 1/2 NC PLC
6	02958680	3	MOUNT BRACKET
7	02958675	3	BLADE, ROUGH CUT
	02958685	-	SHIM KIT FOR ROUGH CUT BLADES
8	02891800	12	BOLT
9	02958684	6	BOLT
10	00003901	6	LOCKWASHER
11	00037200	6	NUT

## DITCHER - HOUSING ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	02873900	-	DITCHER HOUSING ASY
1	02974000	1	HOUSING WLD`MT
2	02874601	1	DEFLECTOR
3	02875001	1	HINGE PIN
4	00002700	2	FLATWASHER
5	00026200	2	COTTER PIN
6	02875101	2	BACK-UP PLATE
7	02886900	4	BOLT
8	00001300	4	LOCKWASHER
9	00001200	4	NUT
10	02811000	1	CYLINDER ASY
11	02276700	2	CYLINDER PIN
12	37107B13	4	HAIR PIN CLIP
13	02959086	3	RUBBER DEFLECTOR
14	02959087	3	DEFLECTOR CLAMP BAR
15	12621000	3	BOLT
16	00023100	1	BOLT
17	00059700	2	BOLT
18	00012101	14	LOCKWASHER
19	00013901	14	NUT
20	02959089	1	HOUSING COVER

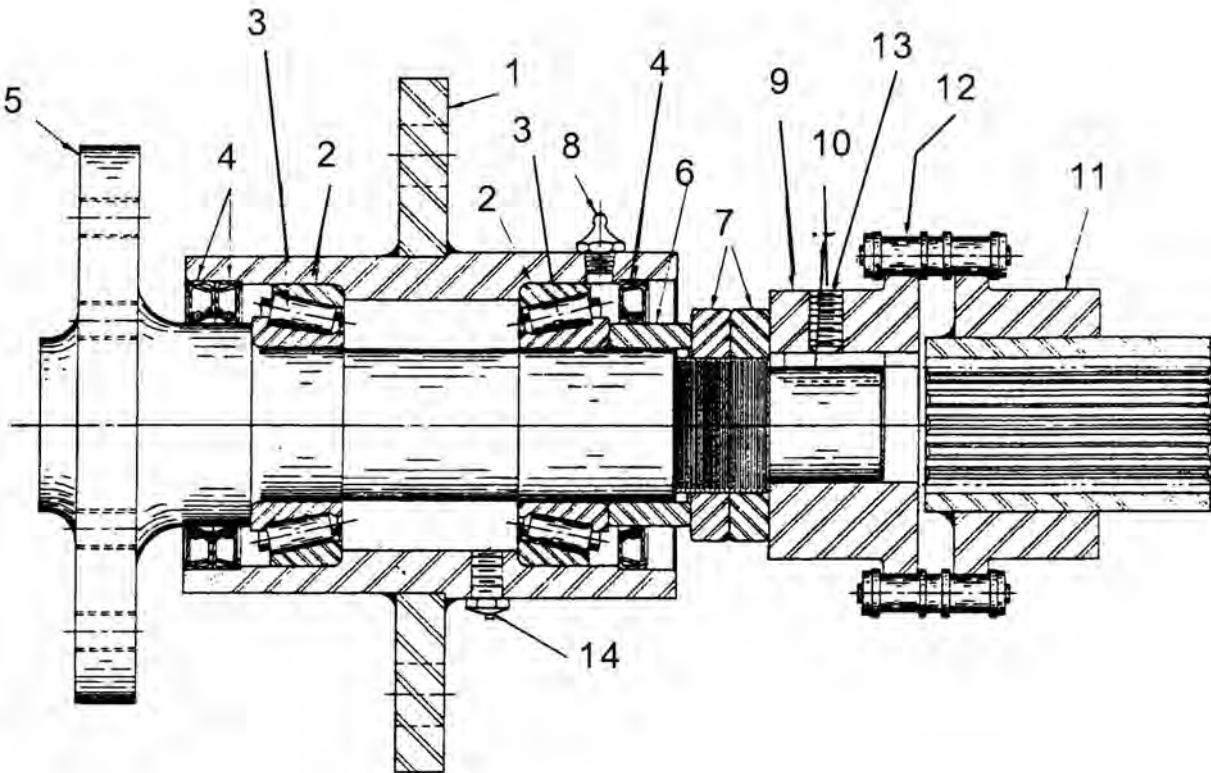
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## DITCHER - HOUSING ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
21	00011100	3	FLATWASHER
22	02042500	2	ADAPTER, STRAIGHT
23	000644	8	BOLT

## DITCHER - SPINDLE ASY

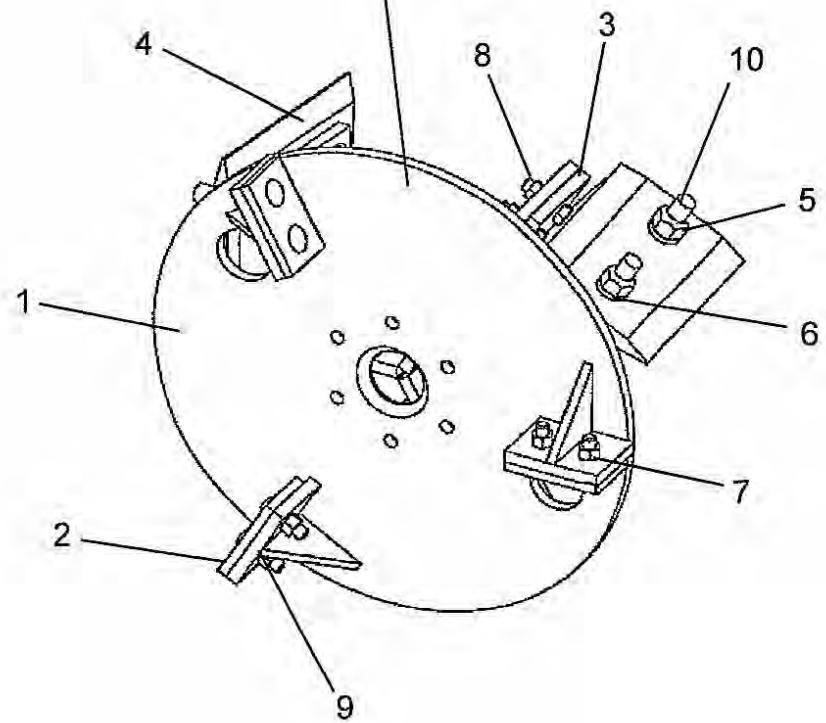
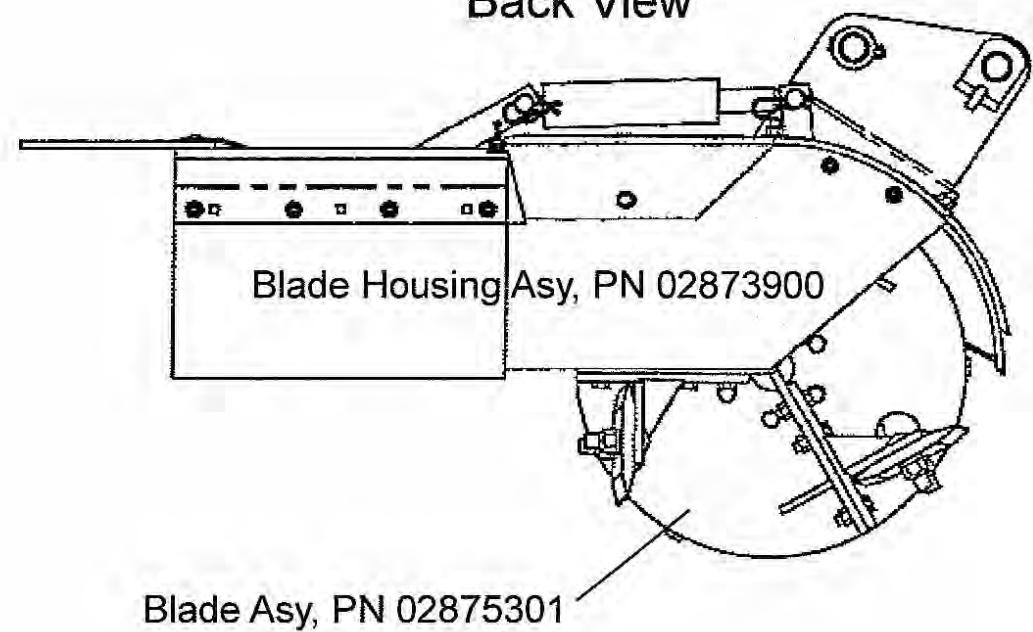


ITEM	PART NO.	QTY.	DESCRIPTION
	0297336	-	SPINDLE ASY (ITEMS 1 THRU 14)
1	02883700	1	SPINDLE HSG, W/ BRG CUPS & GREASE FITTING
2	02708100	-	BEARING CUP
3	02707700	2	BEARING CONE 3780
4	02707600	3	SEAL
5	02872701	1	SPINDLE SHAFT
6	02873200	1	SPACER
7	02870900	1	NUT
8	00003500	-	GREASE FITTING
9	02873301	1	COUPLING HALF, SPINDLE
10	02959017	1	KEY
11	02973318	1	COUPLING HALF, MOTOR
12	02873800	1	CHAIN COUPLING
13	02959014	1	SETSCREW
14	02959018	1	RELIEF FITTING

**THIS PAGE INTENTIONALLY LEFT BLANK**

DITCHER BLADE HEAD ASY - ROUGH CUT

Back View

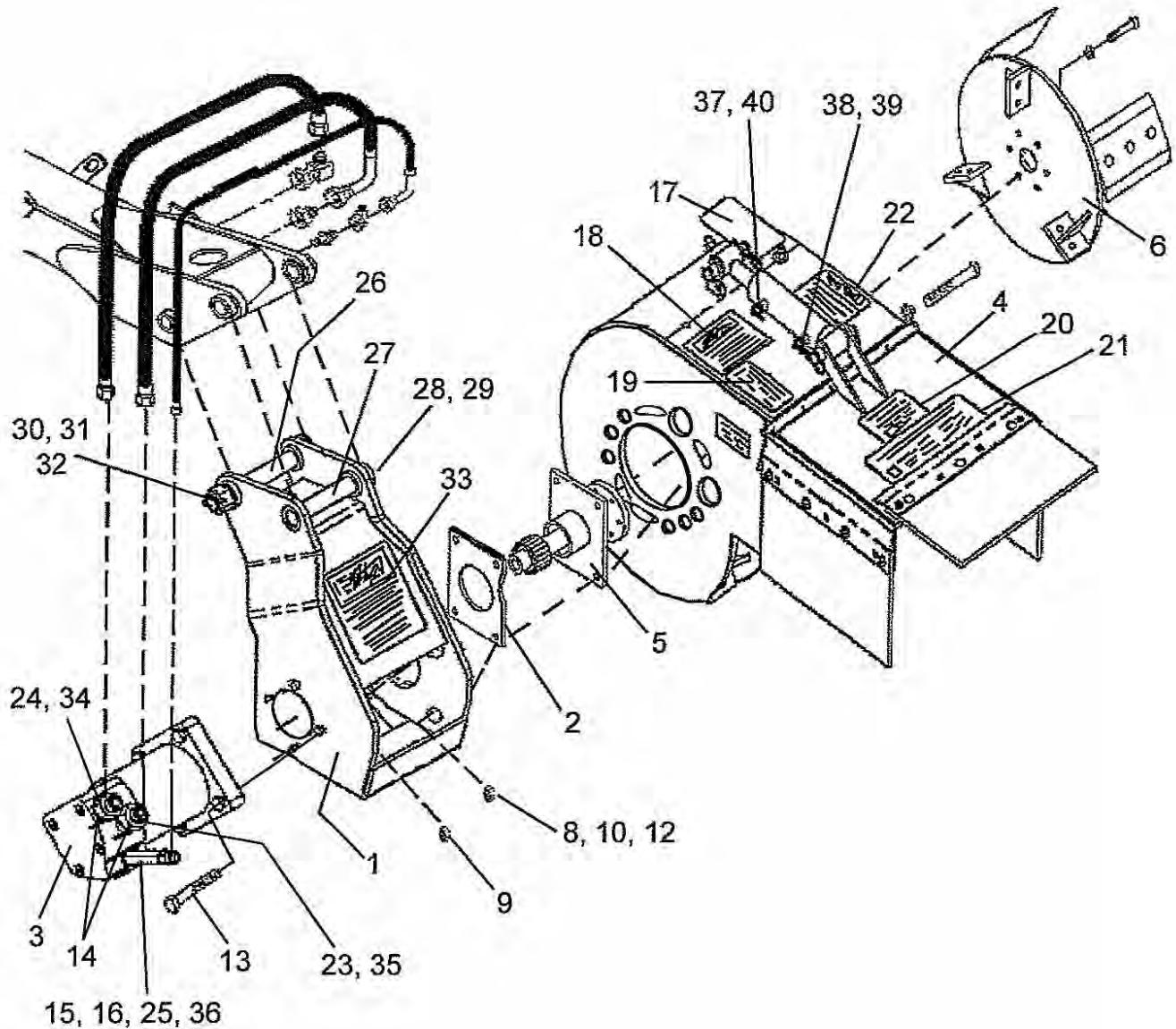


## DITCHER BLADE HEAD ASY - ROUGH CUT

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	02875400	1	BLADE HEAD WLD`MT
2	02875900	3	WEAR PLATE
3	02958680	3	MOUNT BRKT-ROUGH CUT BLADE WLD`MT
4	02958675	3	ROUGH CUT, DITCHER BLADE
5	00037200	6	LOCKNUT, 3/4" NC GRC PL
6	00003901	6	LOCKWASHER, 3/4" PL HEAVY
7	00001800	18	LOCKNUT TLM 1/2 NC PLC
8	02891800	12	HEX HEAD CAP SCREW, 1/2" NC 1-3/4 PL8
9	02886900	6	CARRIAGE BOLT, 1/2" 13UNC 1-1/2" PL5
10	02958684	6	CARRIAGE BOLT, 3/4" NC 2-1/2" PL5

## DITCHER HEAD ASY - (NEW STYLE)



ITEM	PART NO.	QTY.	DESCRIPTION
	02982531	-	MACHETE/MAVERICK DITCHER ASY
1	02984420	1	HITCHPOST WLD MT, BOOM MOUNT
2	02973583	1	PLATE SPACER ON DITCHER
3	02977703	1	MOTOR GEROLER, 7.95 CID
	02983465	1	SEAL KIT, REAR 02977703 MTR
	02983466	1	SEAL KIT, SHAFT 02977703 MTR
	02983467	1	SHAFT ASY, 1 1/4-14T 02977703
4	02873900	1	BLADE, HSG ASY
5	02973336	1	SPINDLE ASY
6	02875301	1	BLADE, HEAD ASY. ROUGH CUT

## DITCHER HEAD ASY - (NEW STYLE)

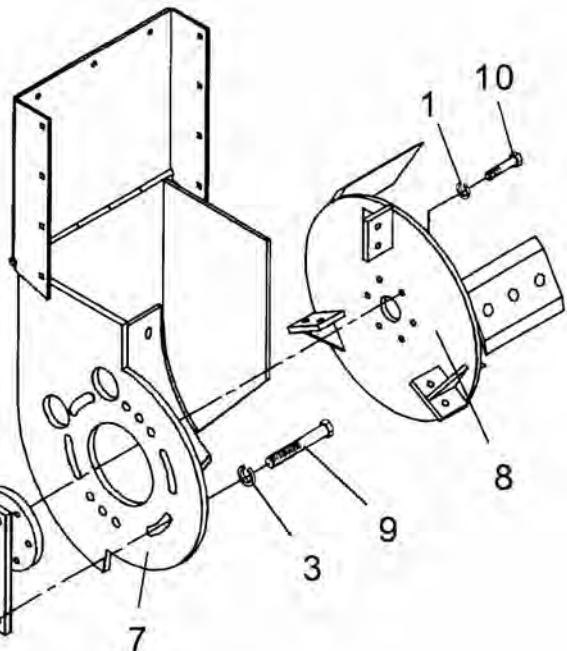
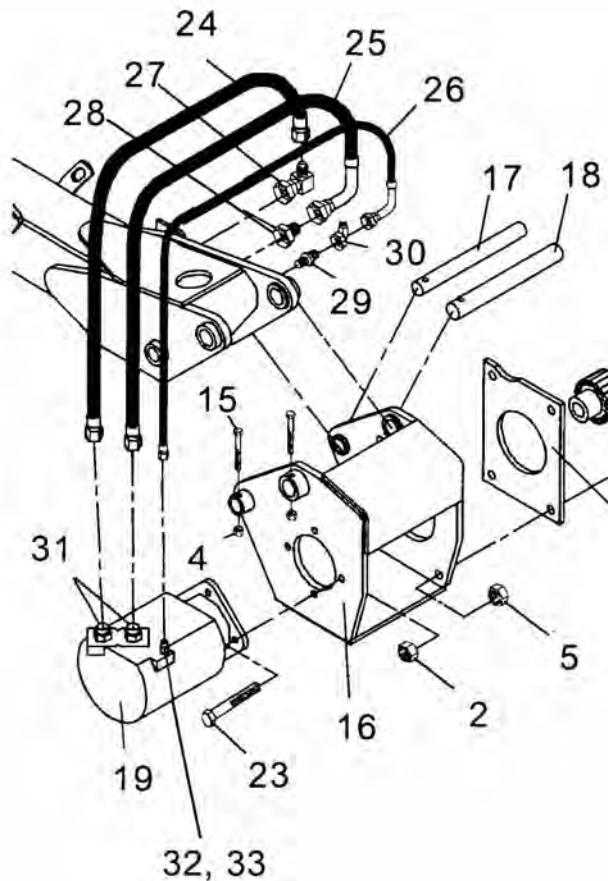
**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
7	00001300	6	LOCKWASHER, 1/2" PL STD
8	00002701	2	FLATWASHER, 3/4" TYPE AW,ZP
9	00001800	4	LOCKNUT TLM 1/2 NC PLC
10	00037200	4	LOCKNUT, 3/4" NC GRC PL
11	02891800	6	HEX HEAD BOLT, 1/2" NC 1-3/4" PL8
12	02881000	4	HEX HEAD BOLT, 3/4" NC 3-1/2" PL5
13	02027400	4	HEX HEAD BOLT, 1/2" NC 2-1/4" PL5
14	02980373	2	ADP HYD STRAIGHT, 10MB - 16MJ
15	02980686	1	RELIEF VALVE, INLINE 160 PSI
16	00770346	1	ADAPTER, HYD, STRIAGHT
17	00725739	1	DECAL, WARNING SHIELDS & GRDS
18	02965262	1	DECAL, WARNING HOSE BURST
19	02925100	1	DECAL, REPLACEMENT PARTS
20	02960766	1	DECAL, ALAMO INDUSTRIAL LOGO
21	02970888	1	DECAL, BOOM DITCHER
22	999204	1	DECAL, DITCHER
23	02968894	1	VINYL TAPE GREEN 1/2" WIDE
24	02968896	1	VINYL TAPE RED 1/2" WIDE
25	02991249	1	VINYL TAPE GREEN 1/2" WIDE
26	02971720	1	PIN WELDMENT, 11-1/2" LG
27	02971756	1	PIN, 1-1/2" X 9" CHROME
28	00015800	1	LOCKNUT, 3/8" NC PLC
29	02970595	1	HEX HEAD BOLT, 3/8" NC 2-3/4" PL8
30	02971701	1	SLOTTED NUT, 1-3/8" 12NF PLB
31	02971702	1	FLATWASHER, 1-3/8" TYPE B NARROW
32	165020	1	COTTER PIN, 5/16" X 2-1/2" PL
33	02967827	1	DECAL, MULTI HAZ
34	02984539	1	HOSE, #16 - 16FJX - 16FJX 90 - 62" LG
35	02984538	1	HOSE, #16 - 16FJX - 16FJX 90 - 54" LG
36	02984540	1	HOSE, #8 - 8FJX - 8FJX 90 - 54" LG
37	02984541	1	HOSE, #4 - 4FJX - 6FJX 90 - 80" LG
38	02984542	1	HOSE, #4 - 4FJX - 6FJX 90 - 88" LG
39	02968837	1	VINYL TAPE YELLOW 1/2" WIDE
40	02968836	1	VINYL TAPE YELLOW 1/2" WIDE

## DITCHER HEAD ASY - (OLD STYLE)

**NOTE:**

Item 21 replaces swing cylinder  
using existing hardware



**NOTE:**

Caps and plugs (items 11-14) are used on cylinders and hoses when swing cylinder and dipper section are removed. Plastic caps and plugs are used for non-pressurized ports and hoses. Steel caps and plugs are used for pressurized ports and hoses.

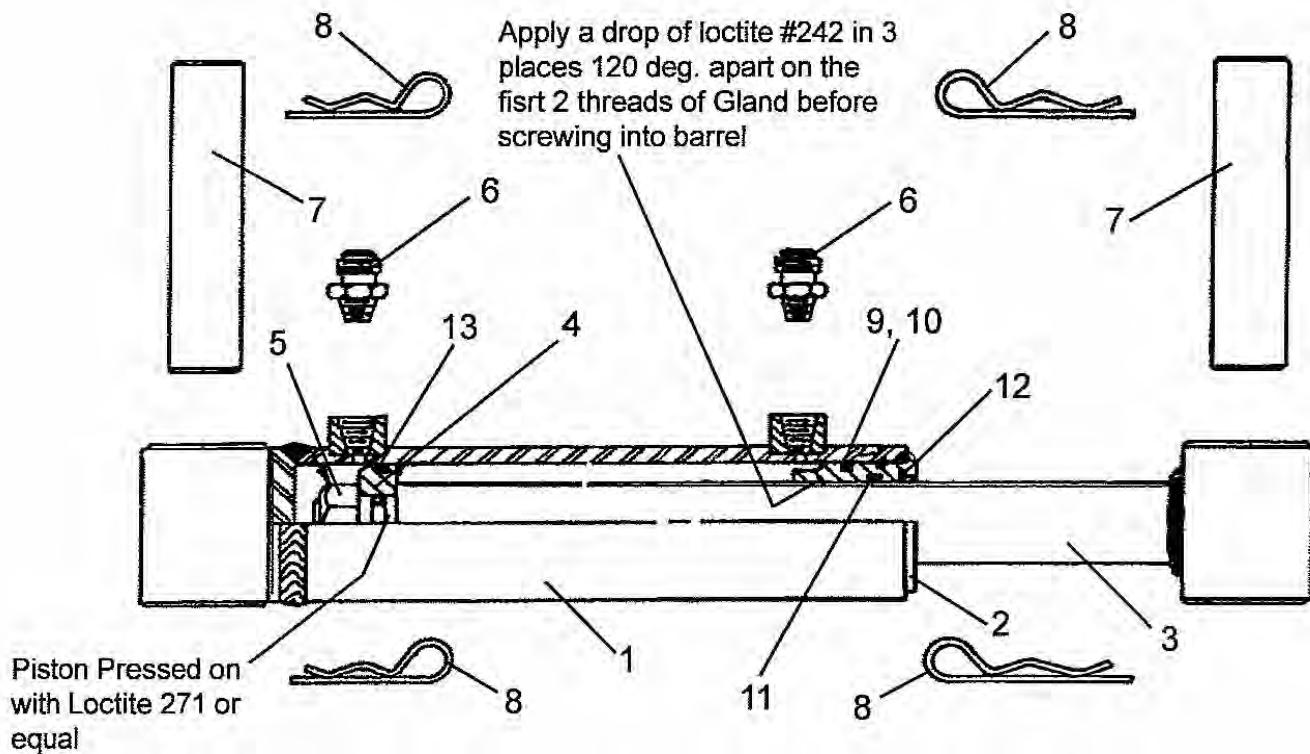
ITEM	PART NO.	QTY.	DESCRIPTION
	02973313	-	DITCHER HEAD ASY
1	00001300	6	LOCKWASHER
2	00001800	4	LOCKNUT TLM 1/2 NC PLC
3	00002701	2	FLATWASHER
4	00015800	2	LOCKNUT
5	00037200	4	LOCKNUT

## DITCHER HEAD ASY - (OLD STYLE)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
6	02973583	1	SPACER PLATE
7	02873900	1	HOUSING ASY
8	02875301	1	BLADE HEAD ASY
9	02881000	4	BOLT
10	02891800	6	BOLT
11	02957416	2	PLASTIC CAP, OUTER 1/4" (NOT SHOWN)
12	02961319	2	PLASTIC PLUG, INNER 3/8" (NOT SHOWN)
13	02963576	4	PLUG, (NOT SHOWN)
14	02963637	4	PLASTIC CAP, OUTER 3/8" (NOT SHOWN)
15	02970595	2	BOLT
16	02973327	1	DITCHER MOUNT
17	02973328	1	PIN, 1-1/4" DIA.
18	02973329	1	PIN, 1-1/2" DIA
19	02973330	-	MOTOR (FEB. 2004 & DOWN) 11.9 CID (MOTOR LENGTH 10-5/8" LONG FROM MOUNT FLANGE TO END OF MOTOR)
	02977703	-	MOTOR (MAR. 2004 & UP) 7.95 CID (MOTOR LENGTH MEASURES 8-5/8" FROM MOUNT FLANGE TO END OF MOTOR, THE
	02983465	1	SEAL KIT, REAR (F/ 02977703 MOTOR ONLY)
	02983466	1	SEAL KIT, SHAFT (F/ 02977703 MOTOR ONLY)
	02983467	1	SHAFT ASY. 1-1/4" -14T (F/ 02977703 MOTOR ONLY)?
	02974163	-	SEAL KIT, FRONT & REAR HALF COMPLETE (F/ MOTOR P/N 02973330 ONLY)
	02974161	-	SEAL KIT, FRONT HALF ONLY (F/ MOTOR
	02974162	-	SEAL KIT, REAR HALF ONLY (F/ MOTOR P/N 02973330 ONLY)
	02980913	1	MOTOR INPUT SHAFT (F/ MOTOR P/N 02973330 ONLY)
20	02973336	1	SPINDLE ASY
21	02973522	1	SWING BAR (NOT SHOWN)
22	02973563	2	CAP NUT (NOT SHOWN)
23	02027400	4	BOLT
24	002021	1	HOSE
25	02973588	1	HOSE
26	61026400	1	HOSE
27	02956851	1	ADAPTER, ELBOW 90
28	02973587	1	ADAPTER, STRAIGHT
29	02969464	1	ADAPTER, STRAIGHT
30	02962749	1	ADAPTER, ELBOW 45?
31	02957622	2	ADAPTER, STRAIGHT (USED W/ MOTOR P/N 02973330)
	02980373	2	ADAPTER, STRAIGHT (USED W/ MOTOR P/N 02977703)
32	00770346	1	ADAPTER, STRAIGHT
33	02980686	1	LOW PRESSURE RELIEF

## DITCHER HEAD DEFLECTOR CYLINDER

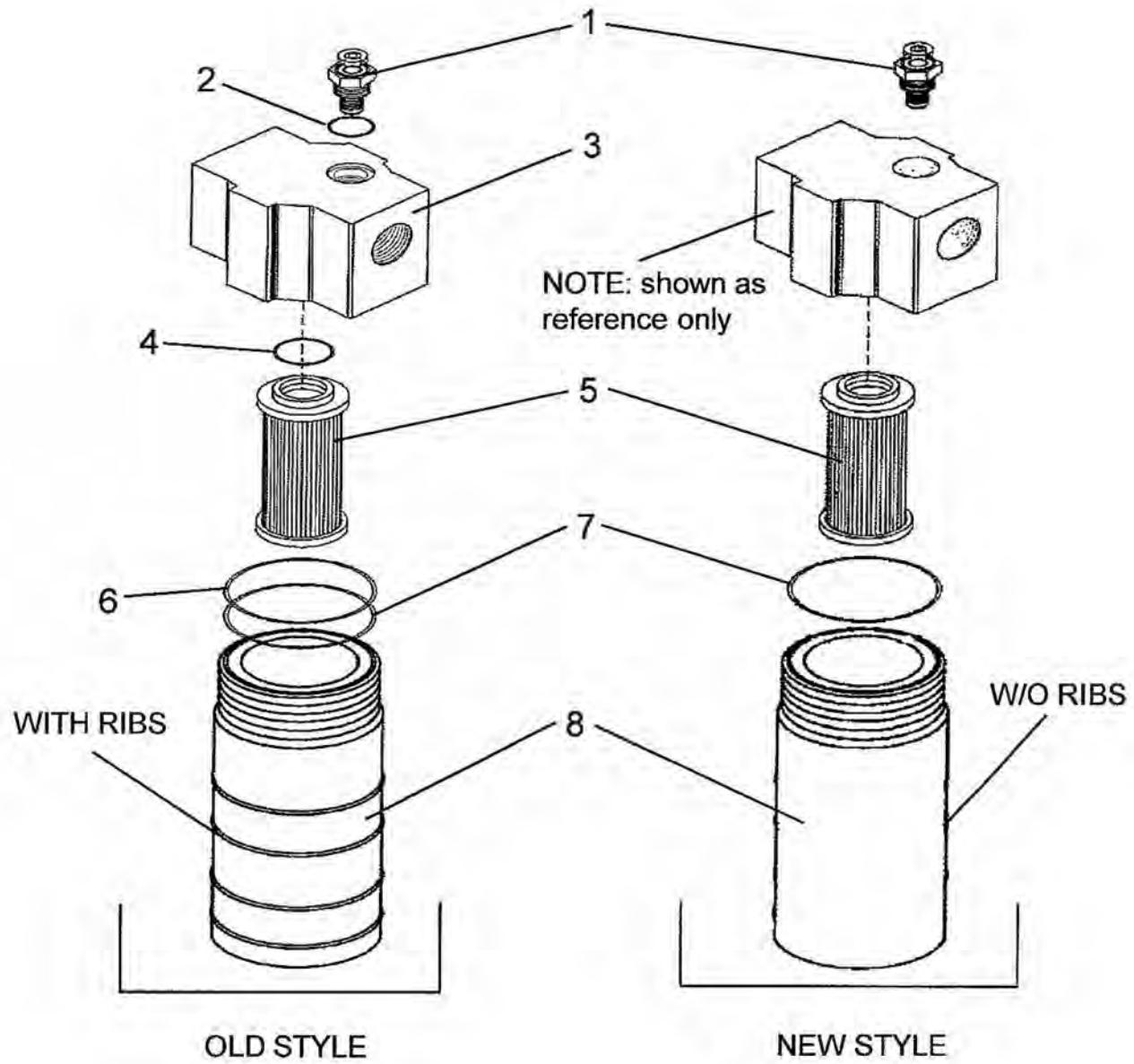


ITEM	PART NO.	QTY.	DESCRIPTION
	02956704	-	DEFLECTOR CYLINDER, W/FITTINGS
	02811000A	-	HYDRAULIC CYLINDER
1	02977664	1	TUBE WELDMENT
2	1417144	1	HEAD,CYLINDER
3	02977665	1	ROD WELDMENT
4	33309	1	PISTON
5	5JRC12160	1	LOCKNUT, 3/4" NF PLC
6	02042500	2	ADAPTER, HYD, STRAIGHT
7	02276700	2	PIN-CYLINDER
8	02276800	4	PIN-CLIP
9*	-----	1	SEAL, GLAND
10*	-----	1	O-RING
11*	-----	1	SEAL, ROD
12*	-----	1	SEAL, ROD WIPER
13*	-----	1	SEAL, PISTON
14	02975528	-	SEAL KIT (ITEMS WITH * ARE INCLUDED IN SEAL KIT)

**THIS PAGE INTENTIONALLY LEFT BLANK**

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

FILTER ASY - PN 02976066

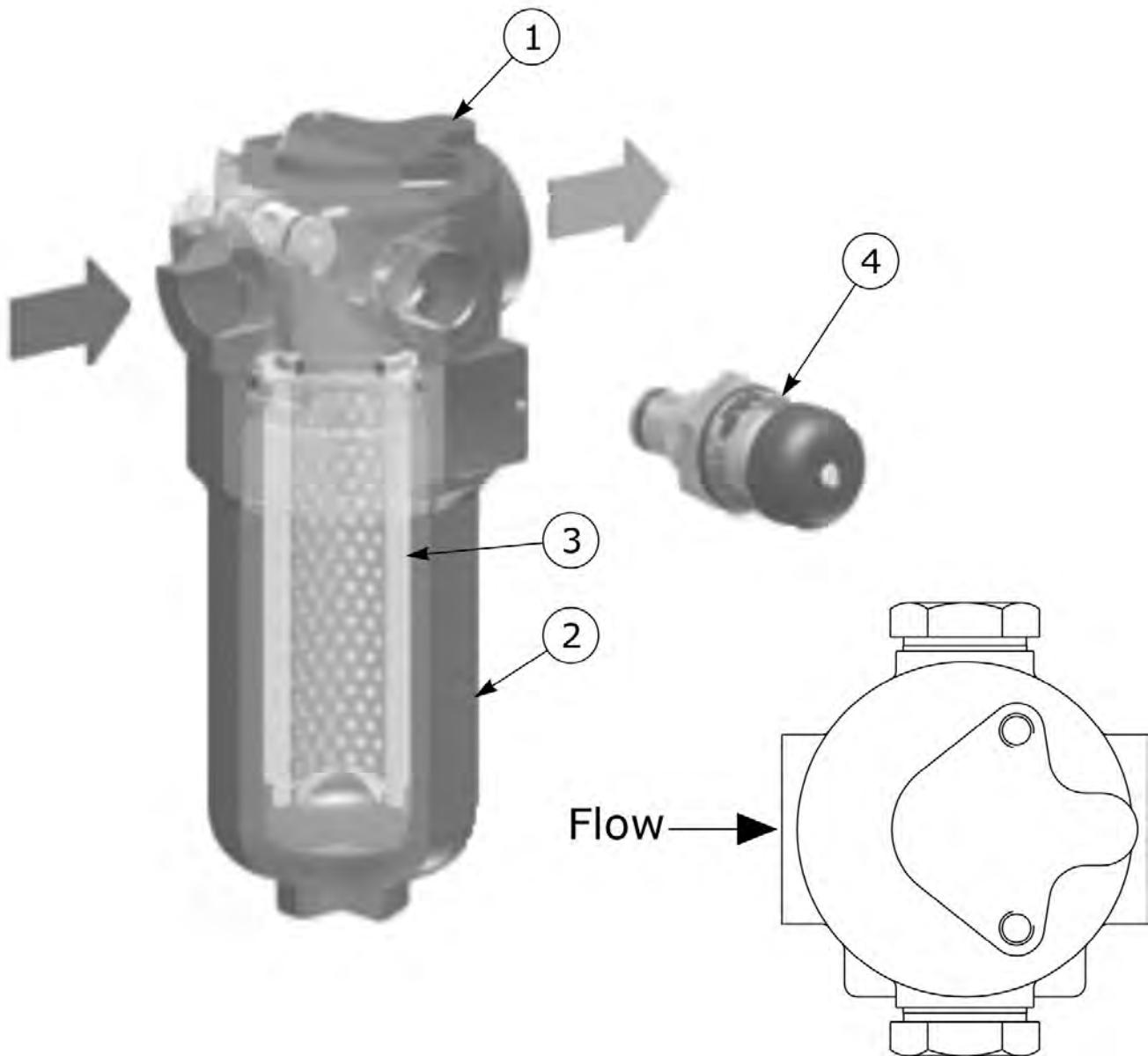


## FILTER ASY - PN 02976066

Continued...

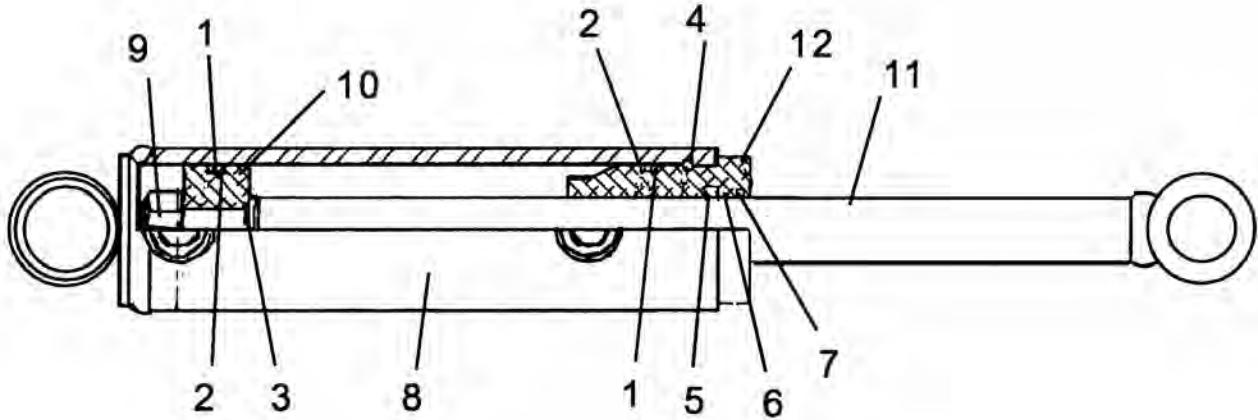
ITEM	PART NO.	QTY.	DESCRIPTION
	02976066	1	FILTER ASY, W/ BY-PASS (OLD STYLE)
1	02976581	1	VISUAL INDICATOR, W/ BY-PASS (OLD STYLE)
	02983982	-	VISUAL INDICATOR (NEW STYLE AS OF 1-5-06)
2	02958286	1	O-RING
	02983979	-	BY-PASS VALVE (NEW STYLE AS OF 1-5-06 NOT SHOWN)
3	02976585	1	FILTER HEAD FOR 02976066
4	02651700	1	O-RING
5	02976067	1	FILTER REPLACEMENT ELEMENT
6	02976582	1	O-RING
7	02976583	1	BACK-UP RING
	02982040	1	O-RING
8	02976584	1	FILTER BOWL, (OLD STYLE W/ RIBS)
	02982039	1	FILTER BOWL, (NEW STYLE W/O RIBS)

**FILTER ASY - PN 02985280**



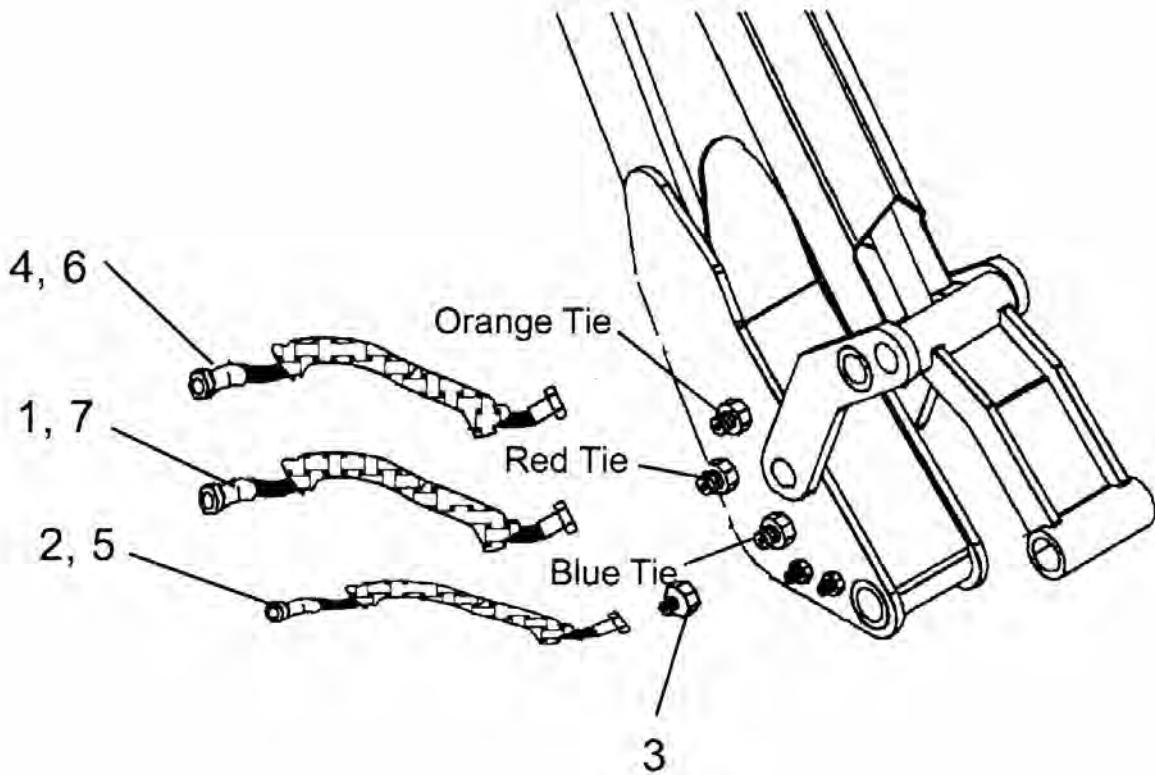
ITEM	PART NO.	QTY.	DESCRIPTION
1	02985281	1	FILTER ASY, HEAD
2	02985282	1	BOWL, FILTER ASY
3	02985283	1	FILTER, ELEMENT
4	02985285	1	INDICATOR, VISUAL
	02986516	1	SEAL KIT W/ O-RING

**FLAIL AXE - DOOR CYL ASY - PN 02970710A**



ITEM	PART NO.	QTY.	DESCRIPTION
	02970710A	-	CYLINDER ASY, FLAIL AXE DOOR CYL.
1	* SEAL KIT	3	BACK-UP RING
2	* SEAL KIT	2	O-RING
3	* SEAL KIT	1	O-RING
4	* SEAL KIT	1	LOCKWIRE
5	* SEAL KIT	1	O-RING
6	* SEAL KIT	1	BACK-UP RING
7	* SEAL KIT	1	ROD WIPER
8	02975588	1	TUBE
9	5JRC8200	1	LOCKNUT
10	02975590	1	PISTON
11	02975591	1	ROD
12	02975589	1	HEAD GLAND
13	02975532	1	SEAL KIT, (ITEMS 1 THRU 7)

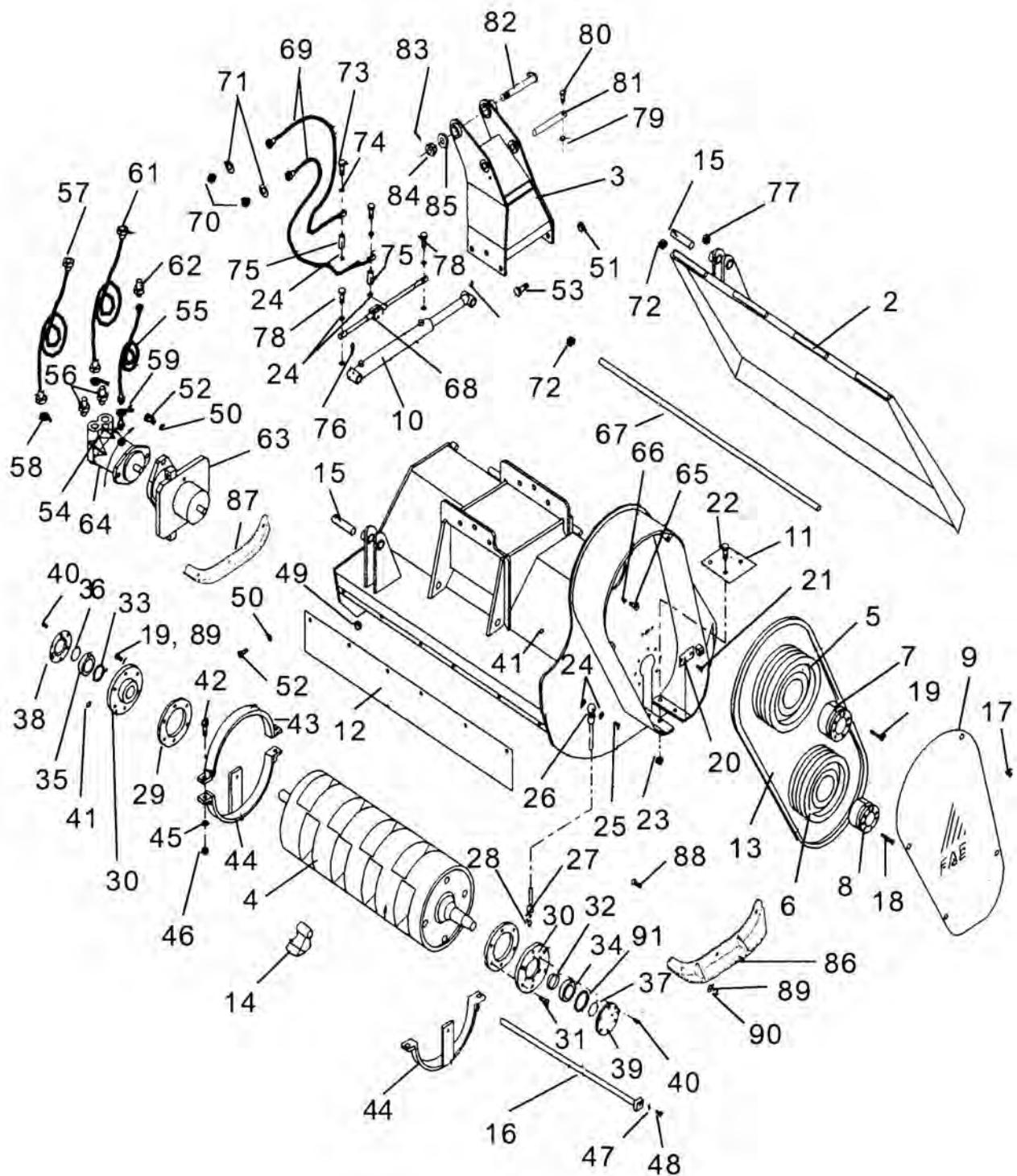
## FLAIL AXE - HOSE CONNECTIONS



ITEM	PART NO.	QTY.	DESCRIPTION
1	02968874	1	HOSE, LARGE (W/ RED TIE)
2	02837800	1	HOSE, MEDIUM (W/ BLUE TIE)
3	02969464	1	ADAPTER, LARGE TO MEDIUM
4	02969564	1	HOSE, LARGE (W/ ORANGE TIE)
5	02991249	-	VINYL TAPE GREEN 1/2" WIDE
6	02968896	-	VINYL TAPE BLUE 1/2" WIDE
7	02968894	-	VINYL TAPE RED 1/2" WIDE

**THIS PAGE INTENTIONALLY LEFT BLANK**

FML100H FLAIL - HEAD ASY (PART 1)



ITEM	PART NO.	QTY.	DESCRIPTION
	04000100	1	FLAIL HEAD ASY, FML100H
1	02968212	1	HOOD, COWLING

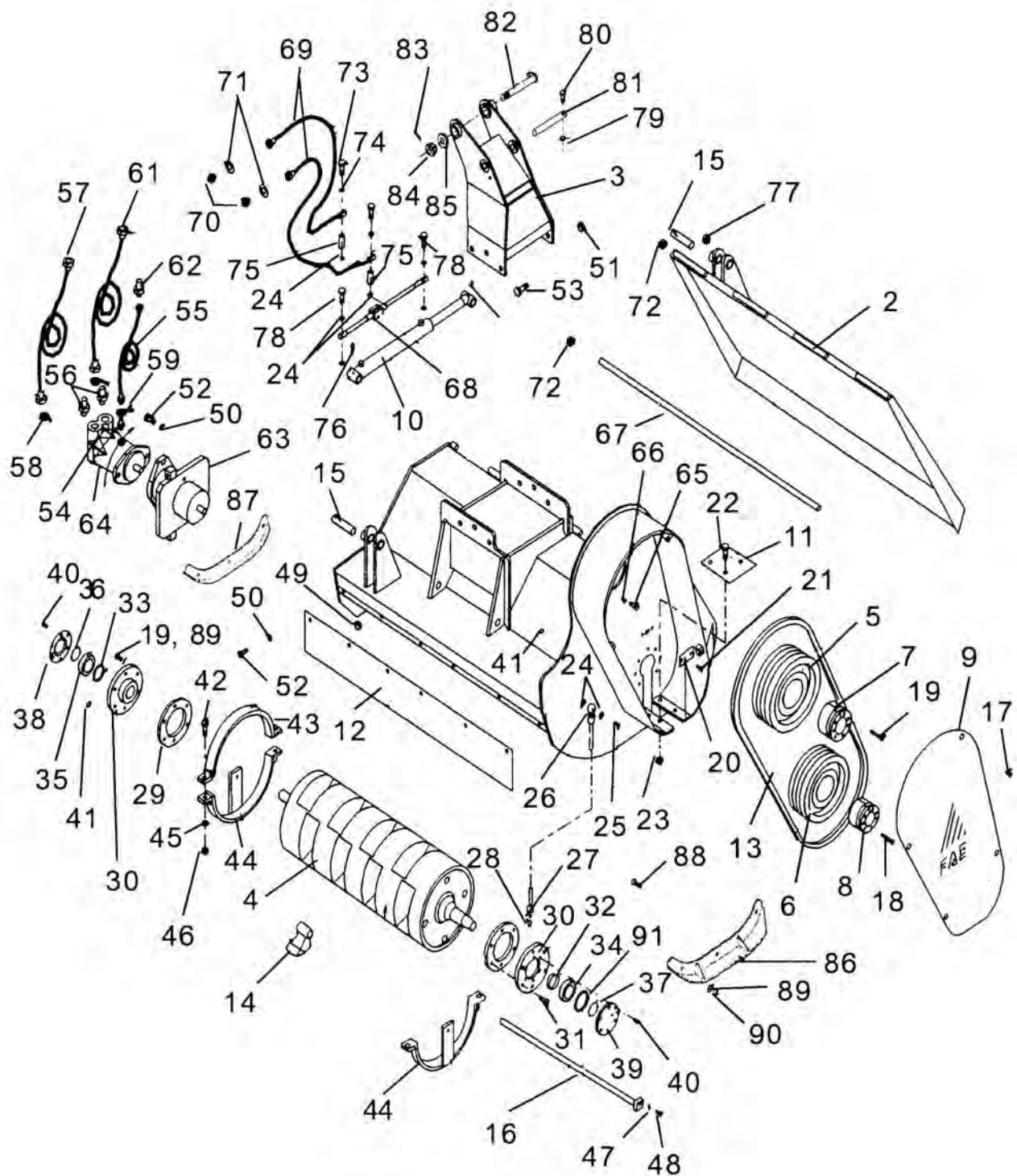
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## FML100H FLAIL - HEAD ASY (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
2	02968217	1	SHIELD DOOR
3	02967335	1	HITCH POST
4	02968899	1	CUTTERSHAFT
5	02974250	1	PULLEY, UPPER
6	02974249	1	PULLEY, LOWER
7	02970948	1	PULLEY LOCK, UPPER
8	02967517	1	PULLEY LOCK, LOWER
9	02967522	1	BELT GUARD
10	02974087	1	CYLINDER ASY, DOOR
11	02967513	1	BOTTOM PLATE
12	02969746	1	RUBBER FLAP
13	02969079	4	V-BELT
14	02966998	16	KNIFE
15	02974196	2	PIN, CYLINDER LINK
16	02968908	4	ROD, CUTTER BAR
17	02970104	4	BOLT
18	00753230	6	BOLT
19	02971322	8	BOLT
20	02967530	2	LOCKING TAB
21	02967541	2	BOLT
22	00762394	4	BOLT
23	02970077	1	NUT
24	02970051	6	WASHER
25	02970110	1	BOLT
26	02972845	1	GREASE TUBE
27	02972854	1	SPACER
28	02960143	1	ADAPTER
29	02972853	2	RING SUPPORT
30	02972852	2	BEARING SUPPORT
31	02970877	12	BOLT
32	02970108	1	SEAL
33	02970108	1	SEAL
34	02972851	1	BEARING, DRIVE END
35	02970107	1	BEARING, NON DRIVE END
36	02967462	1	RETAINING RING
37	02962850	1	SEAL
38	02962855	1	GUARD, ROTOR END
39	02967461	1	COVER, BEARING
40	02967532	12	BOLT
41	00753864	2	GREASE NIPPLE
42	00756026	4	BOLT

FML100H FLAIL - HEAD ASY (PART 2)



ITEM	PART NO.	QTY.	DESCRIPTION
43	02972465	2	CUTTERSHAFT GUARD, UPPER HALF
44	02970184	2	CUTTERSHAFT GUARD, LOWER HALF

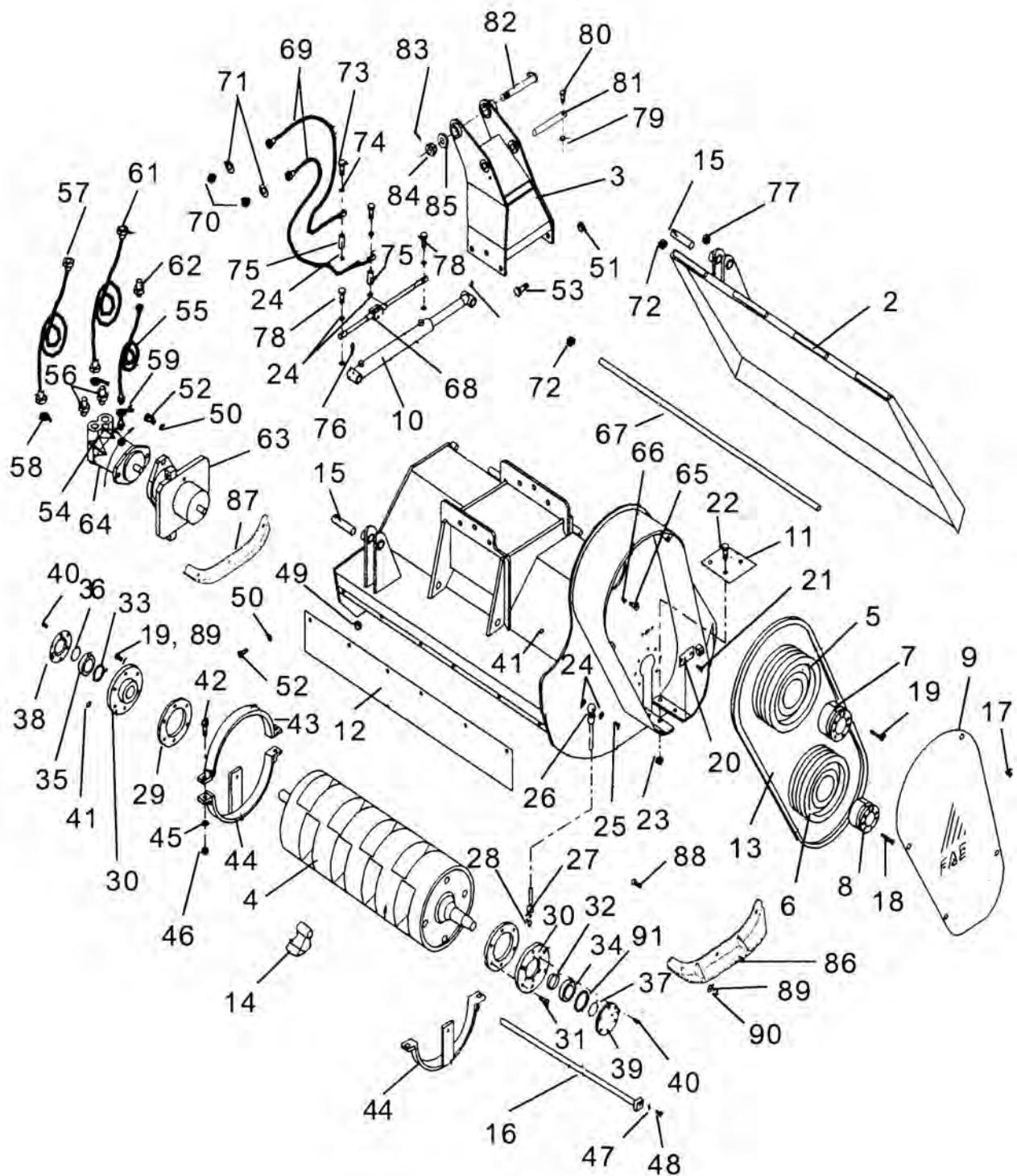
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## FML100H FLAIL - HEAD ASY (PART 2)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
45	02970069	2	WASHER
46	700219C	2	NUT
47	00768990	7	WASHER
48	02970071	4	BOLT
49	00001200	6	NUT
50	00001300	8	LOCKWASHER
51	00037200	6	NUT
52	02892000	8	BOLT
53	02963645	6	BOLT
54	00696800	1	ADAPTER
55	02837800	1	HOSE, CASE DRAIN - W/ BLUE TIE
56	02957622	2	ADAPTER
57	02968874	1	HOSE, PRESSURE - W/ RED TIE
58	02968894	3	VINYL TAPE RED 1/2" WIDE
59	02991249	3	VINYL TAPE GREEN 1/2" WIDE
60	02968896	3	VINYL TAPE BLUE 1/2
61	02969463	1	HOSE, RETURN - W/ ORANGE TIE
62	02969464	1	ADAPTER
63	02969661	1	SPINDLE ASY
64	8301295	1	MOTOR ASY
65	02970078	4	BOLT
66	02970079	4	LOCKWASHER
67	02968223	1	ROD, THREADED
68	02974088	1	DOUBLE ACTING, CLOSING VALVE
69	02967565	2	HOSE
70	02974472	2	QUICK COUPLER
71	02970048	2	WASHER
72	02970101	2	SETSCREW
73	02970060	2	BANJO BOLT
74	02970061	4	WASHER
75	02970062	2	ADAPTER
76	02970065	2	GREASE FITTING
77	02970101	1	SETSCREW
78	02970050	2	BANJO BOLT
79	00015800	1	NUT
80	02970595	1	BOLT, HEX HEAD
81	02971756	1	PIN
82	02971720	1	PIN WLD^MT
83	165020	1	COTTER PIN

FML100H FLAIL - HEAD ASY (PART 3)



ITEM	PART NO.	QTY.	DESCRIPTION
84	02971701	1	SLOTTED NUT
85	02971702	1	FLATWASHER

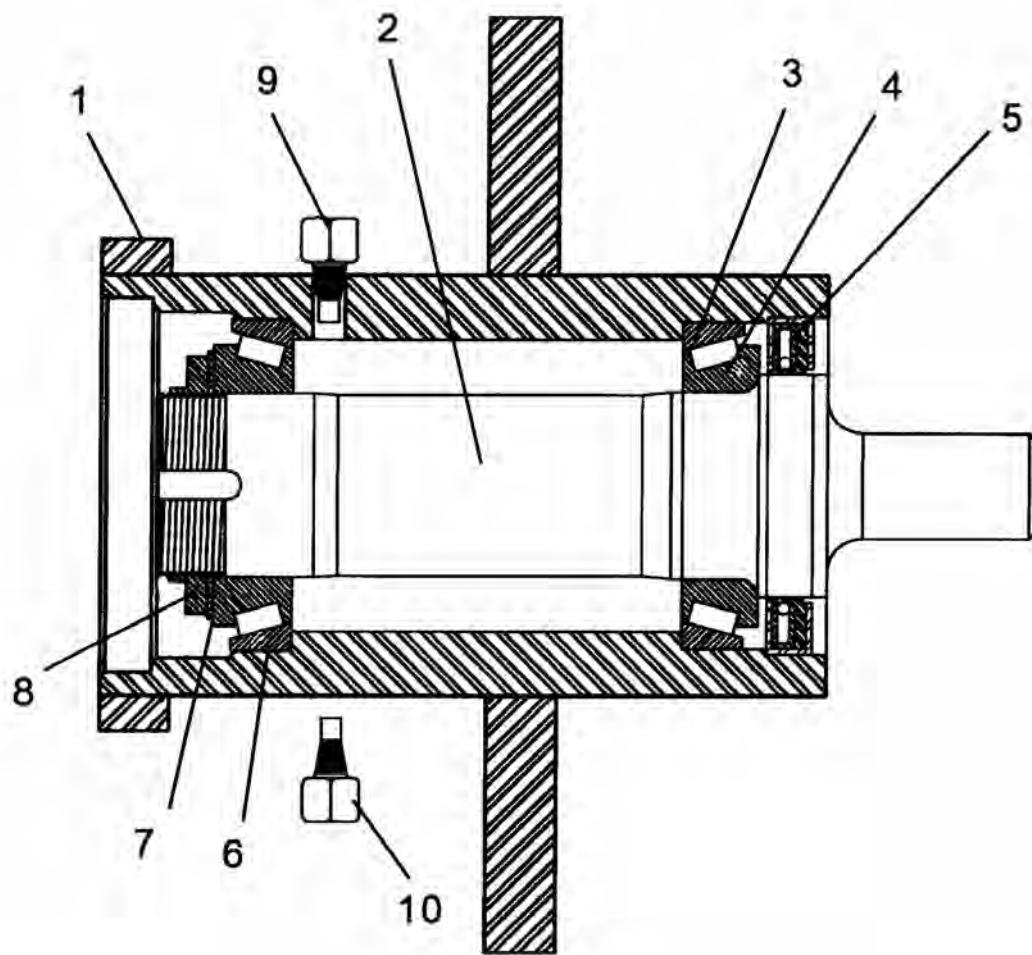
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## FML100H FLAIL - HEAD ASY (PART 3)

Continued...

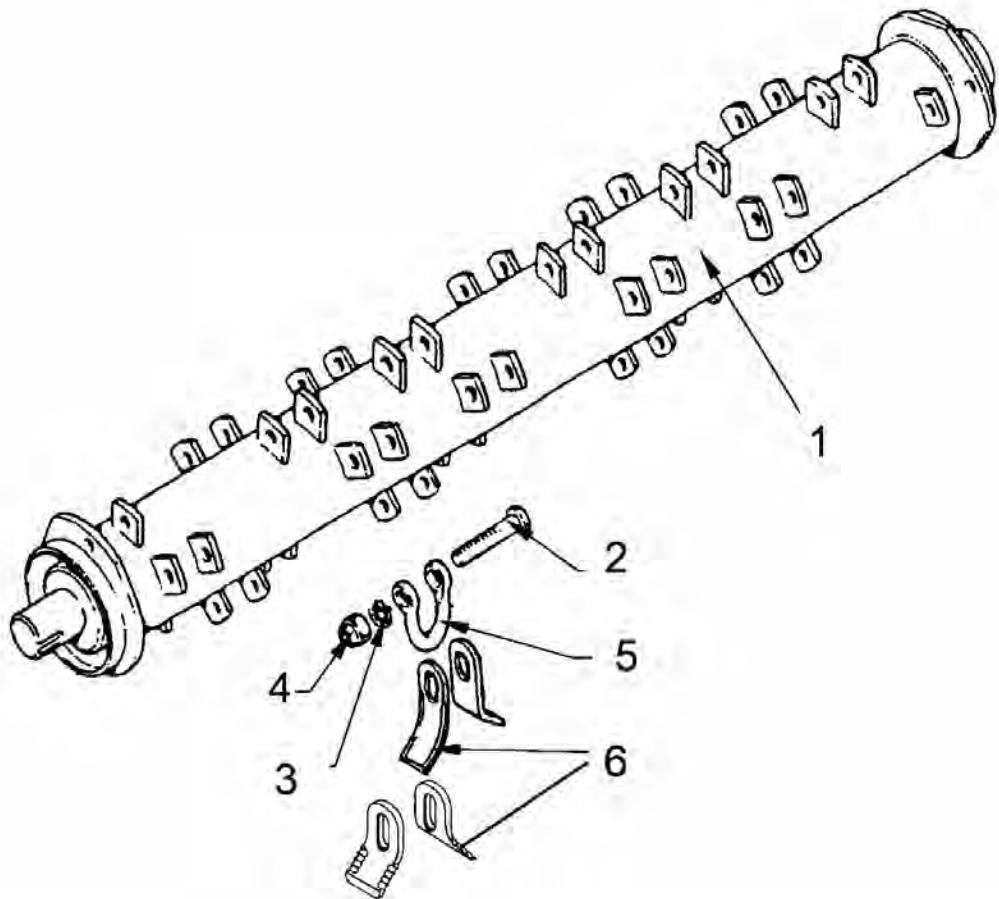
ITEM	PART NO.	QTY.	DESCRIPTION
86	02973221	1	SKID SHOE, RH
87	02973222	1	SKID SHOE, LH
88	02972846	6	BOLT
89	00768990	18	WASHER
90	00756830	6	NUT
91	02972854	1	SPACER RING

FML100H FLAIL - SPINDLE ASY - PN 02969661



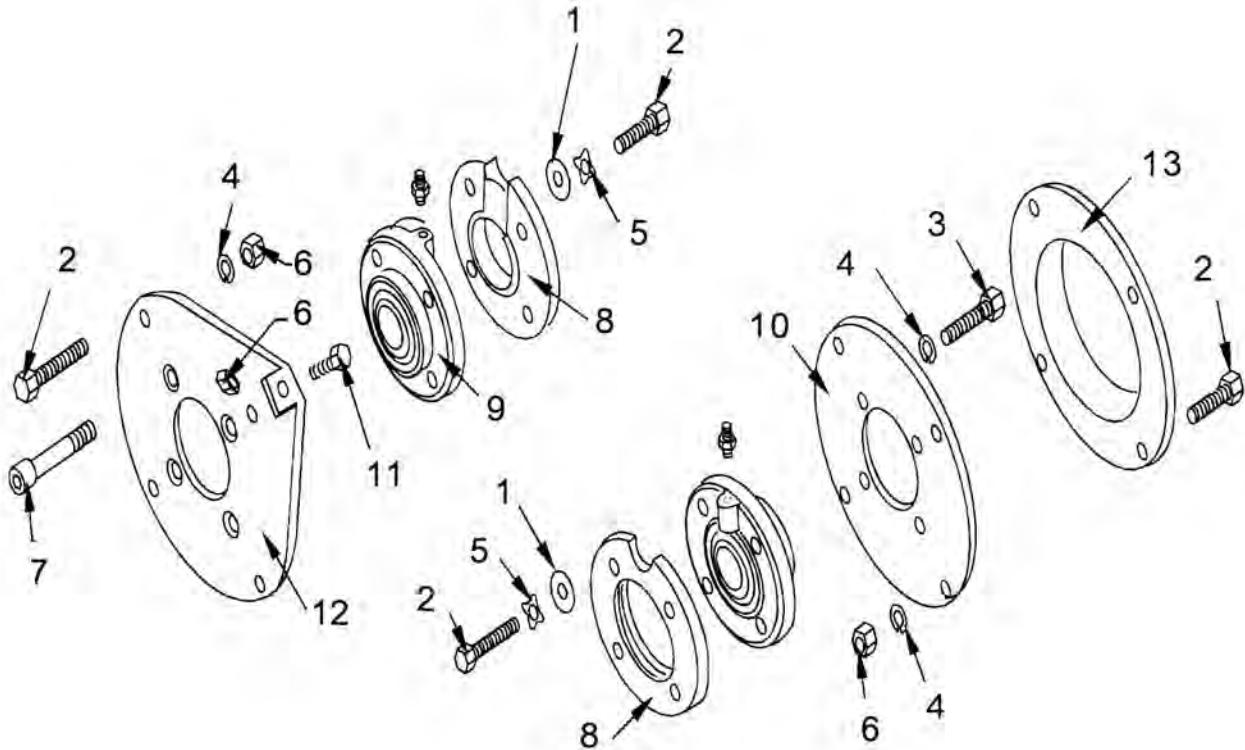
ITEM	PART NO.	QTY.	DESCRIPTION
	02969661	-	SPINDLE ASY, F/ FML 100H FLAIL HEAD
1	02969659	1	HOUSING
2	02969660	1	SPINDLE
3	00748537	1	BEARING CUP
4	5810381	1	BEARING CONE
5	5810310	1	SEAL
6	00755628	1	BEARING ASY, CUP & CONE
7	02964269	1	LOCKWASHER
8	02962030	1	LOCKNUT, BEARING ADJUSTING NUT
9	02959018	1	FITTING, RELIEF
10	00565000	1	PLUG

## GRASS FLAIL - CUTTERSHAFT ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	72.753.01	1	CUTTERSHAFT ASY, W/ KNIVES (1500 HEAD)
1	09.597.01	1	CUTTERSHAFT WLD'MT
2	05.775.10	40	BOLT
3	05.282.08	40	WASHER
4	05.968.06	40	LOCKNUT
5	09.517.01	40	SHACKLE
6	09.528.01	80	FLAIL KNIFE, SMOOTH STD
	02975613	80	FLAIL KNIFE, SERRATED OPT

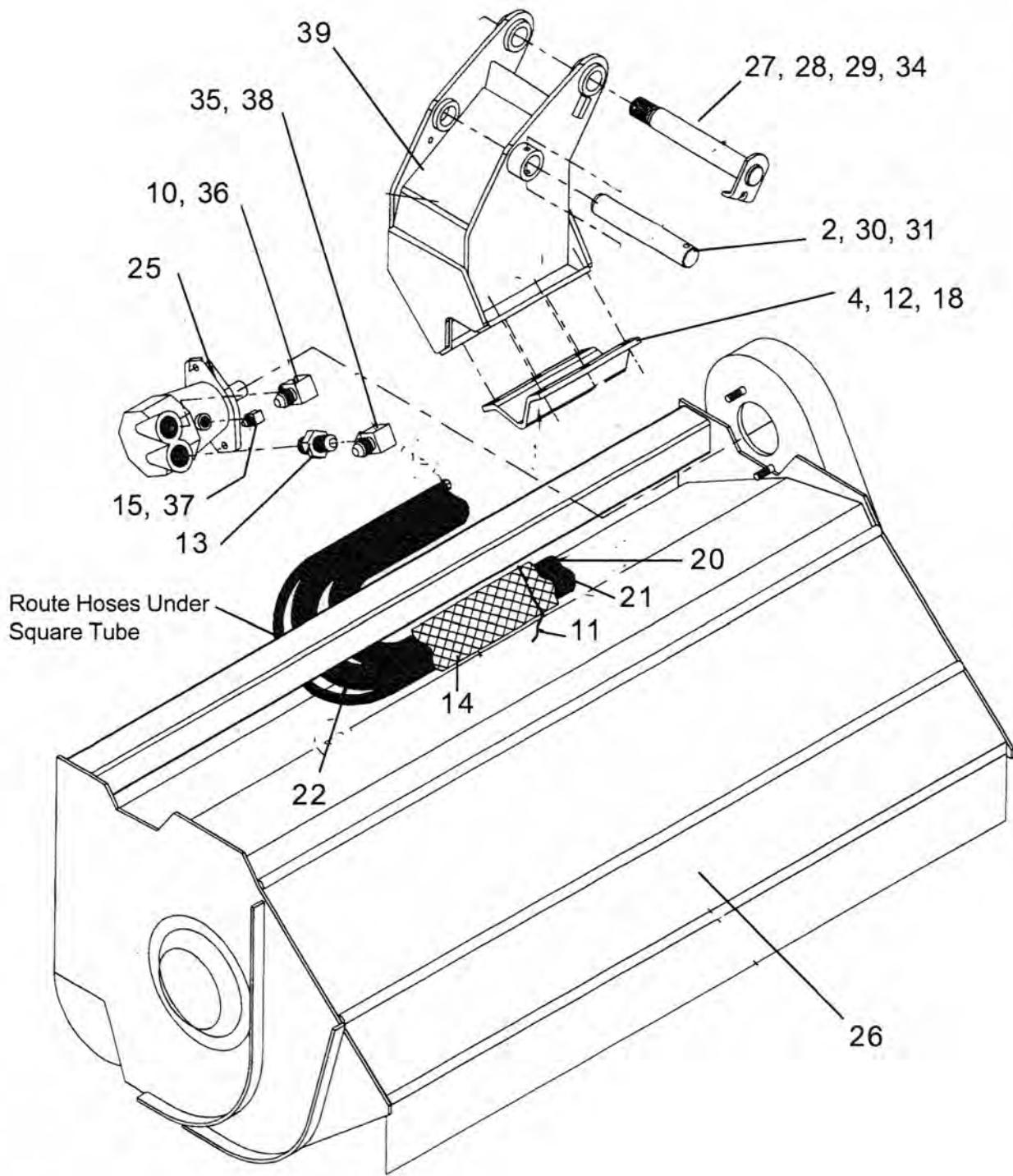
## GRASS FLAIL - CUTTERSCHAFT BRGS



ITEM	PART NO.	QTY.	DESCRIPTION
	72.736.01	-	BEARING ASY, GRASS FLAIL 1500 HEAD
1	02.824.01	2	WASHER
2	05.264.23	10	SETSCREW
3	05.264.25	4	SETSCREW
4	9100206	12	WASHER,LOCK 12MM
5	05.283.03	2	SHAKE PROOF WASHER
6	05.286.03	10	NUT
7	05.345.05	4	BOLT, SOCKET HEAD COUNTER SUNK
8	06.219.01	2	DISC, SHIELD
9	06.221.01	2	BEARING ASY
10	09.584.01	1	BEARING PLATE, NON-DRIVE END
11	09.584.01	1	BOLT, ADJUSTING
12	09.586.01	1	BEARING PLATE, DRIVE END
13	09.588.01	1	GUARD, NON-DRIVE END

**THIS PAGE INTENTIONALLY LEFT BLANK**

**GRASS FLAIL - HEAD ASY PN 02972460**



ITEM	PART NO.	QTY.	DESCRIPTION
	02972460	-	GRASS FLAIL HEAD ASY
2	00015800	1	LOCKNUT

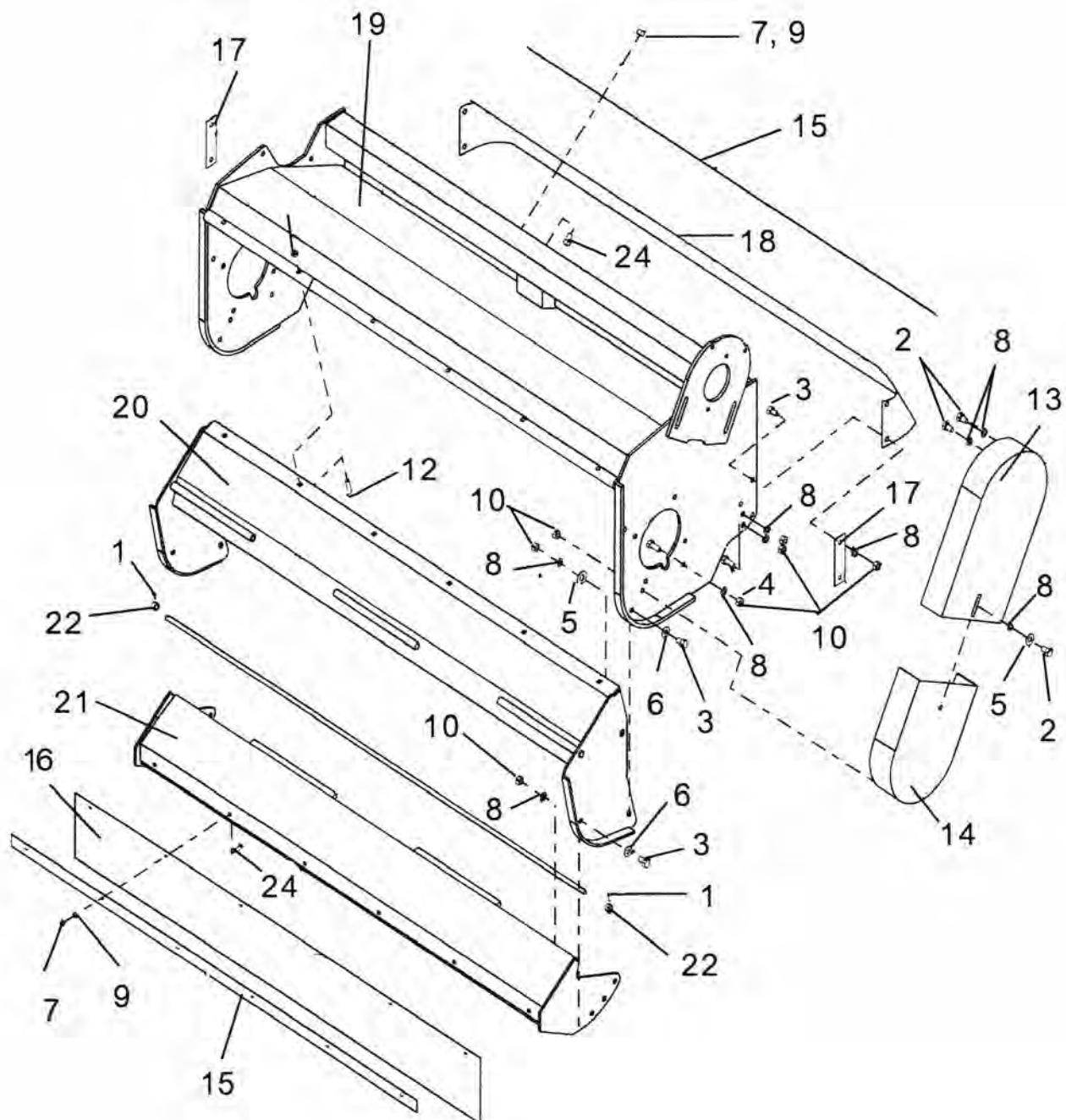
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## GRASS FLAIL - HEAD ASY PN 02972460

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
4	00695100	6	NUT, TOPLOCK 5/8 NC PLC
10	02090900	1	ADAPTER, ELBOW 90?
11	02775500	3	PLASTIC TIE, 21" LG
12	02845500	6	BOLT
13	02957622	1	ADAPTER, STRAIGHT
14	02969850	1	SLEEVING, 100" LG
15	02962213	1	ADAPTER, ELBOW 90?
18	02968245	1	CLAMP PLATE
19	02969464	1	ADAPTER, STRAIGHT
20	02969813	1	HOSE - W/ RED TIE
21	02972423	1	HOSE - W/ BLUE TIE
22	02969814	1	HOSE - W/ ORANGE TIE
25	8301295	1	MOTOR ASY, PISTON TYPE
26	90.162.12	1	FLAIL HEAD PRE-ASY
27	02971701	1	SLOTTED NUT
28	02971702	1	FLATWASHER
29	02971720	1	PIN
30	02971756	1	PIN, CHROME
31	02970595	1	BOLT
34	165020	1	COTTER PIN
35	02956851	1	ADAPTER, ELBOW 90?
36	02968894	1	VINYL TAPE RED 1/2" WIDE
37	02968834	1	VINYL TAPE ORANGE 1/2
38	02968896	1	VINYL TAPE BLUE 1/2" WIDE
39	02972373	1	HITCH POST

## GRASS FLAIL - HEAD SUB-ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	76.114.01	-	FLAIL HEAD SUB-ASY, 1500 HEAD
1	05.201.17	2	TENSION PIN

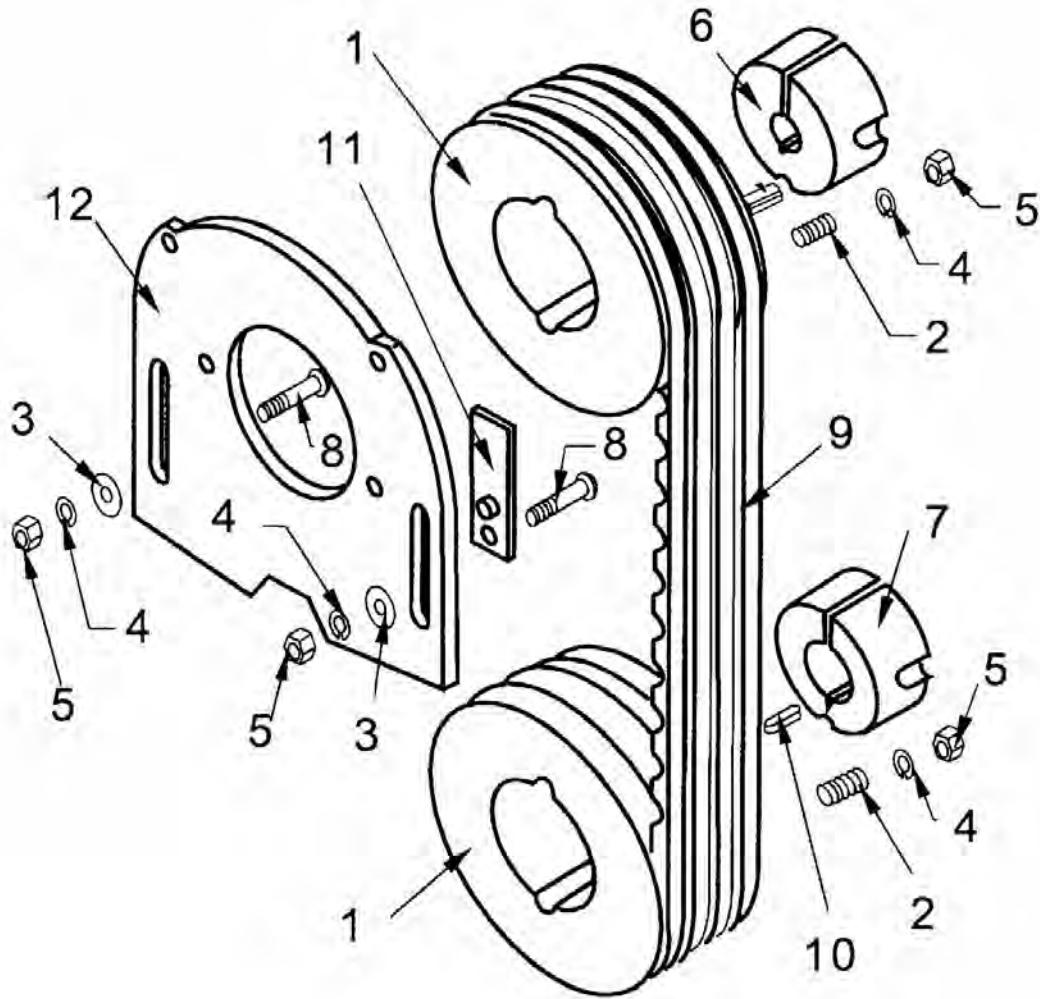
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## GRASS FLAIL - HEAD SUB-ASY

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
2	05.264.21	3	SETSCREW
3	05.264.23	10	SETSCREW
4	05.264.24	6	SETSCREW
5	02.281.03	5	FLATWASHER, PLATED
6	05.281.04	6	FLATWASHER, PLATED
7	05.282.01	12	LOCKWASHER, PLATED
8	9100206	20	WASHER,LOCK 12MM
9	05.286.01	16	NUT, PLATED
10	05.286.03	17	NUT, PLATED
11	05.287.02	6	LOCKNUT
12	05.839.24	6	BOLT CUP SQUARE
13	09.589.01	1	GUARD, TOP DRIVE
14	09.590.01	1	GUARD, BOTTOM DRIVE
15	09.594.02	2	BACKING STRIP (1500)
16	09.595.02	1	GUARD, FLEXIBLE (1500)
17	41418.01	2	CLAMP, GUARD
18	41424.01	1	GUARD, FLEXIBLE (1500)
19	41425.01	1	COWL, (1500)
20	41429.01	1	GUARD, FRONT FIXED (1500)
21	41430.01	1	GUARD, FRONT ADJUSTABLE (1500)
22	41436.01	2	SPACER. PIVOT FRONT GUARD
23	41438.01	1	PIN, PIVOT FRONT GUARD
24	9293054	12	BOLT CUP SQUARE

## GRASS FLAIL - PULLEY ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	76.154.01	-	PULLEY ASY, GRASS FLAIL 1500 HEAD
1	03.795.02	2	PULLEY
2	04.282.17	2	STUD
3	05.281.03	2	WASHER
4	9100206	4	WASHER,LOCK 12MM
5	05.286.03	4	NUT
6	05.424.02	1	TAPER LOCK HUB, 1-1/8" BORE
7	05.424.18	1	TAPER LOCK HUB, 1-9/16" BORE
8	05.625.12	2	SCREW
9	05.299.53	3	BELT

02968915P - Machete Boom 17-21-24 FT (04-04)10-19

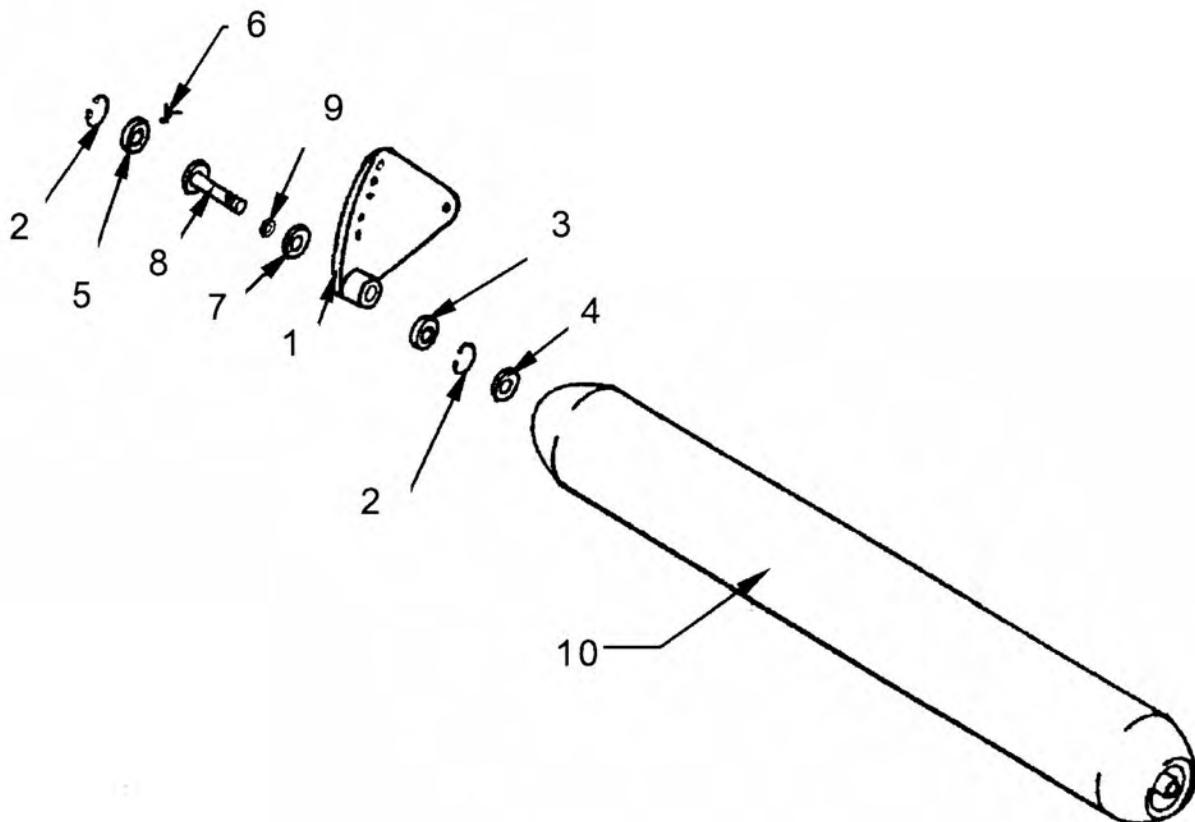
## GRASS FLAIL - PULLEY ASY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

10	05.960.16	1	KEY
11	09.587.01	1	PLATE, COVER
12	41342.01	1	PLATE

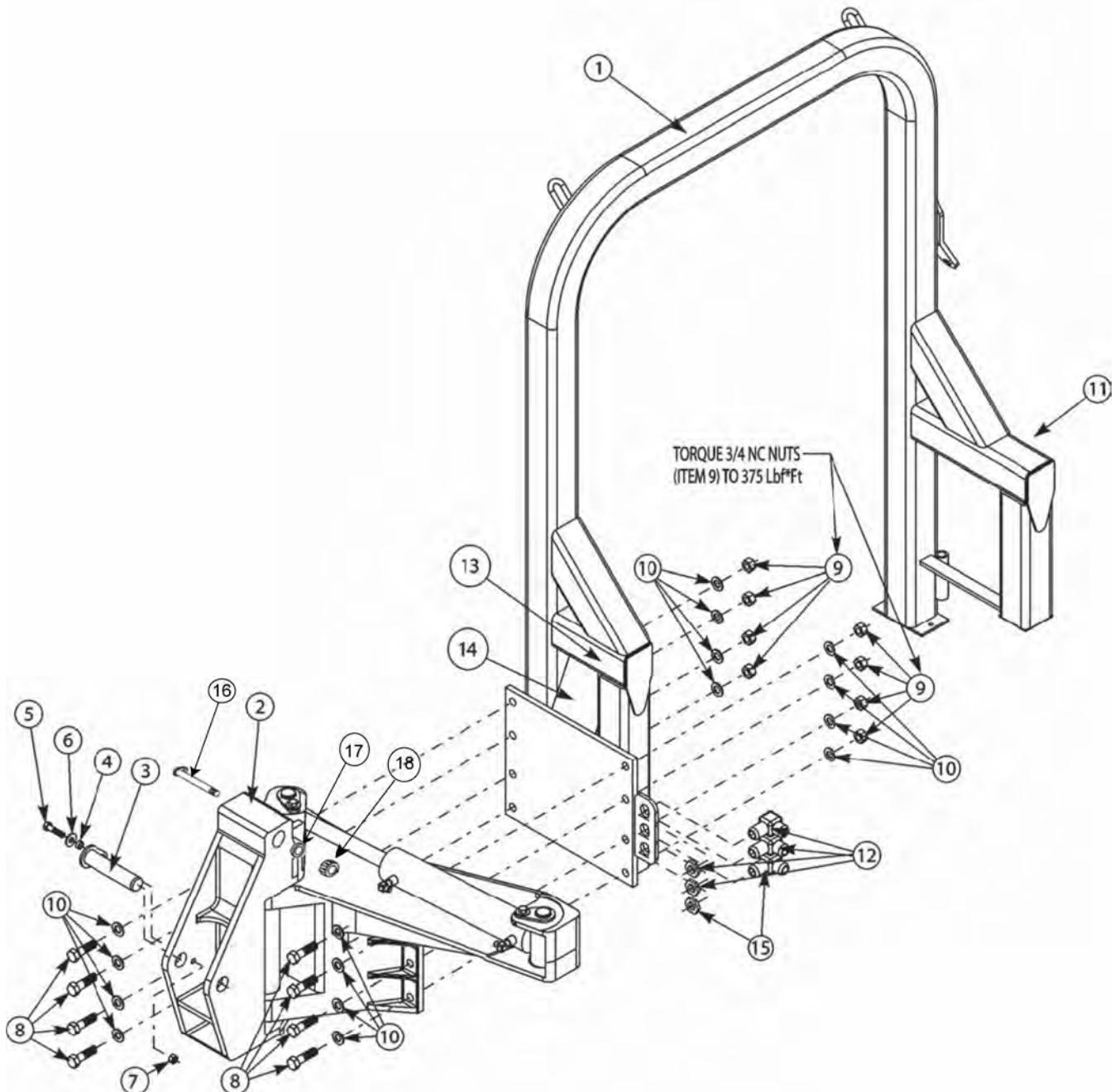
## GRASS FLAIL - ROLLER ASY



ITEM	PART NO.	QTY.	DESCRIPTION
	72.740.02	-	ROLLER ASY, GRASS FLAIL 1500 HEAD (ITEMS 1 THRU 10)
1	09.898.01	1	BRACKET, LH (NOT SHOWN)
	09.898.02	1	BRACKET, RH
2	05.959.05	4	CIRCLIP
3	42954.01	2	BEARING
4	04.164.04	2	SEAL
5	41851.01	2	CAP
6	05.953.01	4	GREASE FITTING
7	05.234.01	2	WASHER
8	05.264.23	2	BOLT, SOCKET HEAD
9	9100206	2	WASHER,LOCK 12MM
10	42955.05	1	ROLLER WLD`MT, (1500 HEAD)

**THIS PAGE INTENTIONALLY LEFT BLANK**

## HIGH FRAME ASY - 2 WD & 4 WD

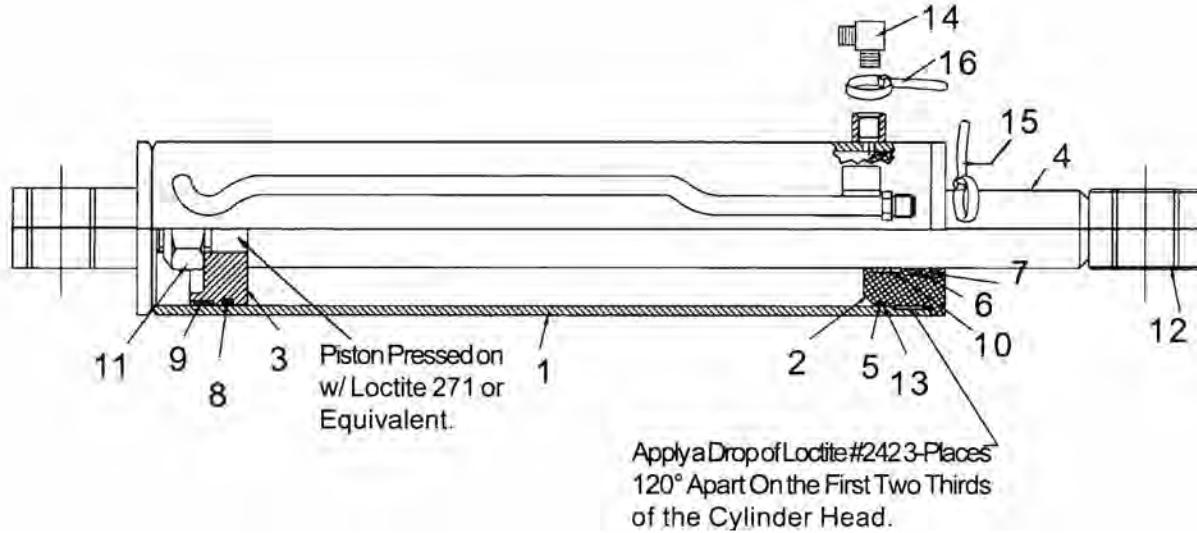


## HIGH FRAME ASY - 2 WD & 4 WD

Continued...

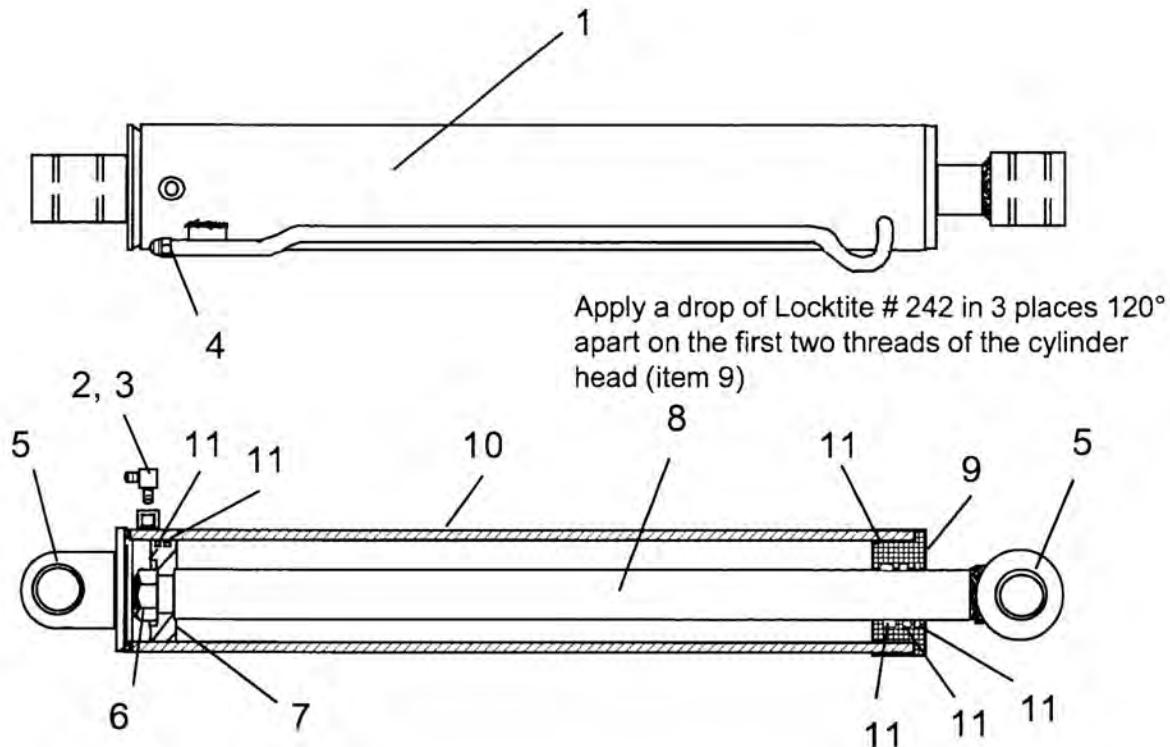
ITEM	PART NO.	QTY.	DESCRIPTION
	02978449	1	HIGH FRAME ASY, 2 WHL DRIVE
	02978450	-	HIGH FRAME ASY, 4 WHL DRIVE
1	02978447	1	HIGH FRAME WLD`MT, 2 WHL DRIVE
	02978448	-	HIGH FRAME WLD`MT, 4 WHL DRIVE
2	02978000	1	KING POST FRAME SUB-ASY
3	02971750	1	PIN WLD`MT
4	02975596	1	TUBE SPACER
5	00013300	1	BOLT
6	00002700	1	FLATWASHER
7	00001800	1	LOCKNUT TLM 1/2 NC PLC
8	02960521	8	BOLT
9	00037200	8	LOCKNUT
10	5312316	16	FLATWASHER, HARDENED
11	02968841	1	CYLINDER ASY, LIFT CYL
12	00725746	1	DECAL, SPANISH TRANSLATION
13	02742500	3	ELBOW
14	02962765	1	DECAL, MULTI-HAZARD
15	02965262	1	DECAL, HOSE BURST

**HYD CYL ASY - DIPPER - PN 02967174A (21 & 24 FT)**



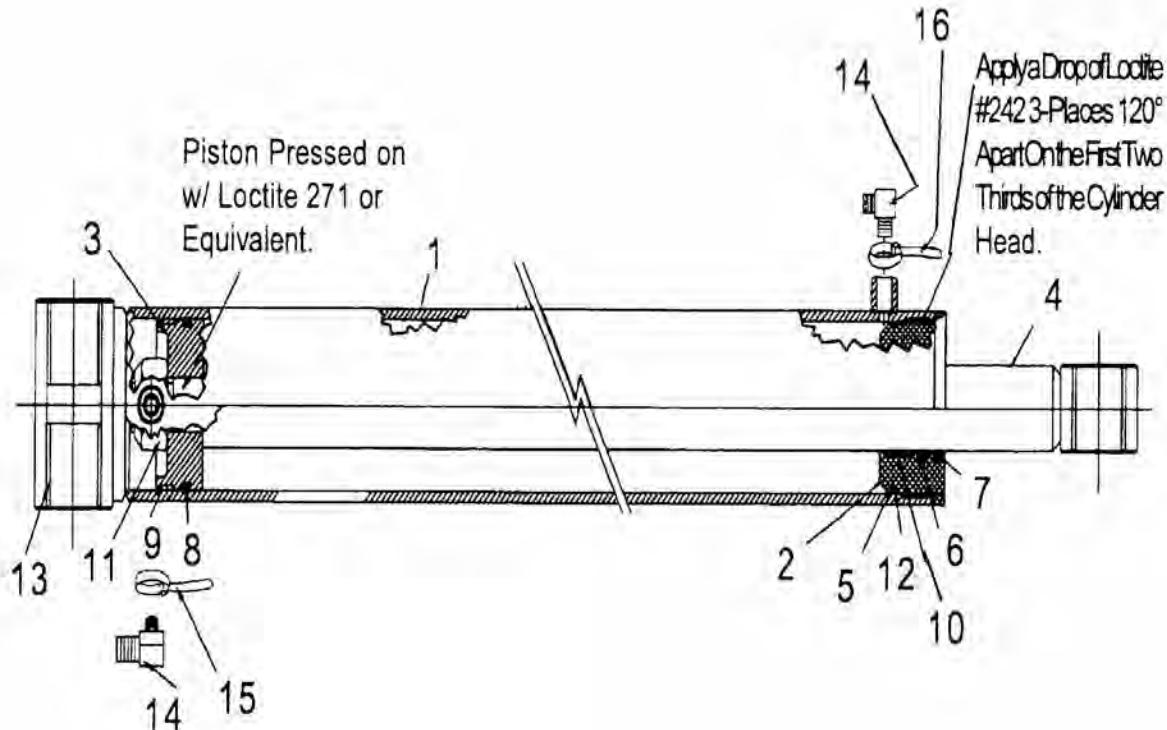
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02968802	-	DIPPER CYL. ASY, W/ FITTINGS
	02967174A	-	DIPPER CYL. ASY, L/ FITTINGS
1	02975553	1	TUBE / BARREL WLD' MT
2	02975452	1	CYLINDER HEAD
3	02975457	1	PISTON
4	02975552	1	ROD WLD' MT
5	* SEAL KIT	1	O-RING (IN ITEM 17)
6	* SEAL KIT	1	SEAL ROD, HALITE (IN ITEM 17)
7	* SEAL KIT	3	SEAL, WIPER ROD (IN ITEM 17)
8	* SEAL KIT	2	SEAL, PISTON RING (IN ITEM 17)
9	* SEAL KIT	1	WEAR RING (IN ITEM 17)
10	* SEAL KIT	1	WEAR RING (IN ITEM 17)
11	02975453	1	LOCKNUT
12	02968803	2	BUSHING
13	* SEAL KIT	1	SEAL (IN ITEM 17)
14	63149100	1	ELBOW
15	02968831	2	VINYL TAPE BLUE 1/4" WIDE
16	02968830	2	VINYL TAPE BLUE 1/2" WIDE
17	02975527	1	SEAL KIT (ITEMS 5,6,7,8,9, 10 & 13)

**HYD CYL ASY - DIPPER - PN 02979920 (17 FT)**



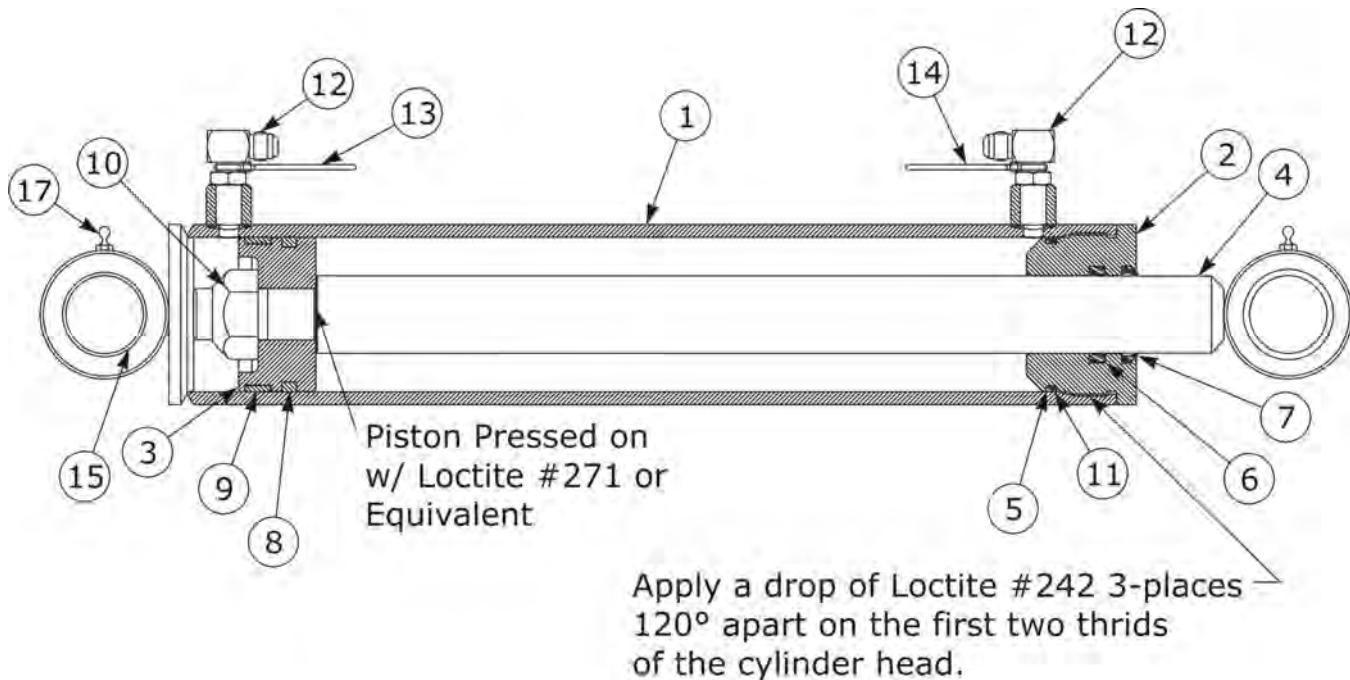
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02979920	-	DIPPER CYLINDER ASY
1	02979784	1	CYLINDER HEAD
2	63149100	1	ADAPTER, ELBOW
3	02968830	1	VINYL TAPE BLUE 1/2" WIDE
4	02968831	1	VINYL TAPE BLUE 1/4" WIDE
5	02968803	2	BUSHING
6	5JRC16140	1	LOCKNUT
7	002625	1	PISTON
8	02978823	1	ROD WLD`MT
9	02979947	1	CYLINDER HEAD
10	02979924	1	TUBE / BARREL WLD`MT
11	02975531	1	SEAL KIT

**HYD CYL ASY - LIFT - PN 02967173A**



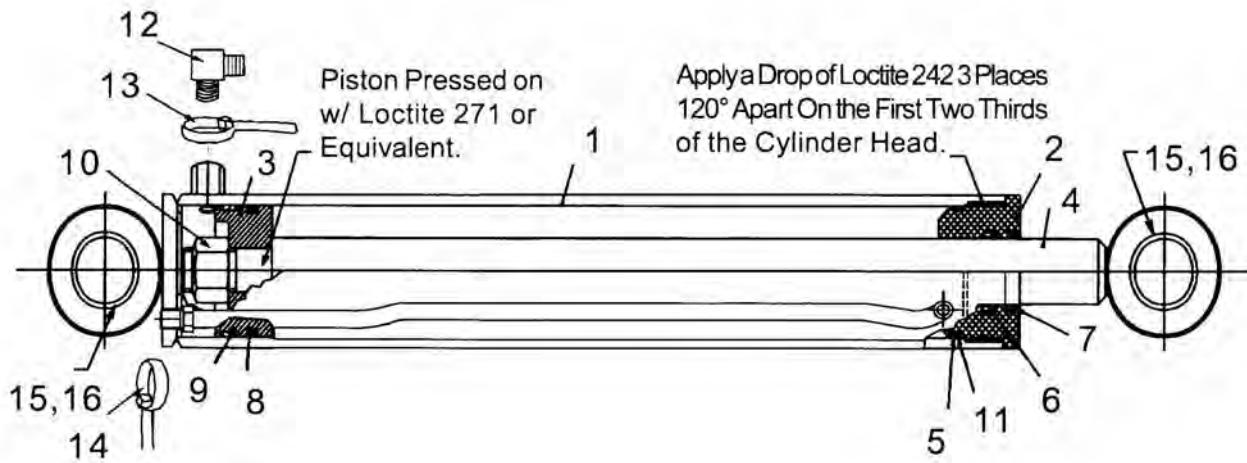
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02968841	-	LIFT CYL. ASY, W/ FITTINGS
	02967173A	-	LIFT CYL. ASY, L/ FITTINGS
1	02975466	1	TUBE / BARREL WLD' MT
2	02975452	1	CYLINDER HEAD
3	02975457	1	PISTON
4	02975552	1	ROD WLD' MT
5	* SEAL KIT	1	O-RING (IN ITEM 17)
6	* SEAL KIT	1	SEAL ROD, HALITE (IN ITEM 17)
7	* SEAL KIT	3	SEAL, WIPER ROD (IN ITEM 17)
8	* SEAL KIT	2	SEAL, PISTON RING (IN ITEM 17)
9	* SEAL KIT	1	WEAR RING (IN ITEM 17)
10	* SEAL KIT	1	WEAR RING (IN ITEM 17)
11	02975453	1	LOCKNUT
12	* SEAL KIT	2	SEAL (IN ITEM 17)
13	02968803	1	BUSHING
14	63149100	1	ELBOW
15	02968835	2	VINYL TAPE ORANGE 1/4" WIDE
16	02968834	2	VINYL TAPE ORANGE 1/2" WIDE
17	02975527	1	SEAL KIT (ITEMS 5,6,7,8,9, 10 & 12)

## HYD CYL ASY - SWING - PN 02967172A



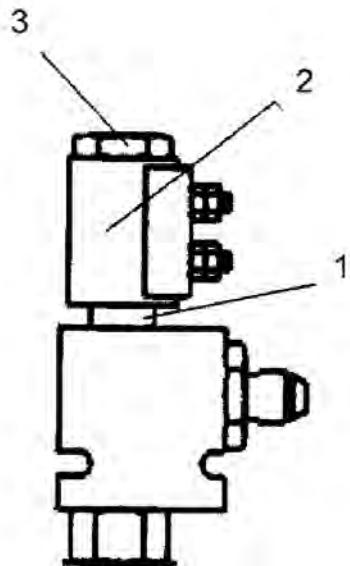
ITEM	PART NO.	QTY.	DESCRIPTION
	02968840	-	SWING CYL. ASY, W/ FITTINGS
	02967172A	-	SWING CYL. ASY, L/ FITTINGS
1	02975463	1	TUBE / BARREL WLD`MT
2	02975450	1	CYLINDER HEAD
3	02975454	1	PISTON
4	02975459	1	ROD WLD`MT
5	* SEAL KIT	1	O-RING (IN ITEM 16)
6	* SEAL KIT	1	SEAL ROD, HALITE (IN ITEM 16)
7	* SEAL KIT	3	SEAL, WIPER ROD (IN ITEM 16)
8	* SEAL KIT	2	SEAL, PISTON RING (IN ITEM 16)
9	* SEAL KIT	1	WEAR RING
10	5JRC16140	1	LOCKNUT
11	*SEAL KIT	1	SEAL, CYL. HEAD (IN ITEM 16)
12	63149100	2	ELBOW
13	02968833	1	VINYL TAPE GREEN 1/4" WIDE
14	02968832	1	VINYL TAPE GREEN 1/2" WIDE
15	02968803	3	BUSHING
16	02975530	1	SEAL KIT (ITEMS 5,6,7,8,9 & 11)
17	00752670	2	FITTING,GREASE STRAIGHT 1/4-28

## HYD CYL ASY - TILT - PN 02967175A



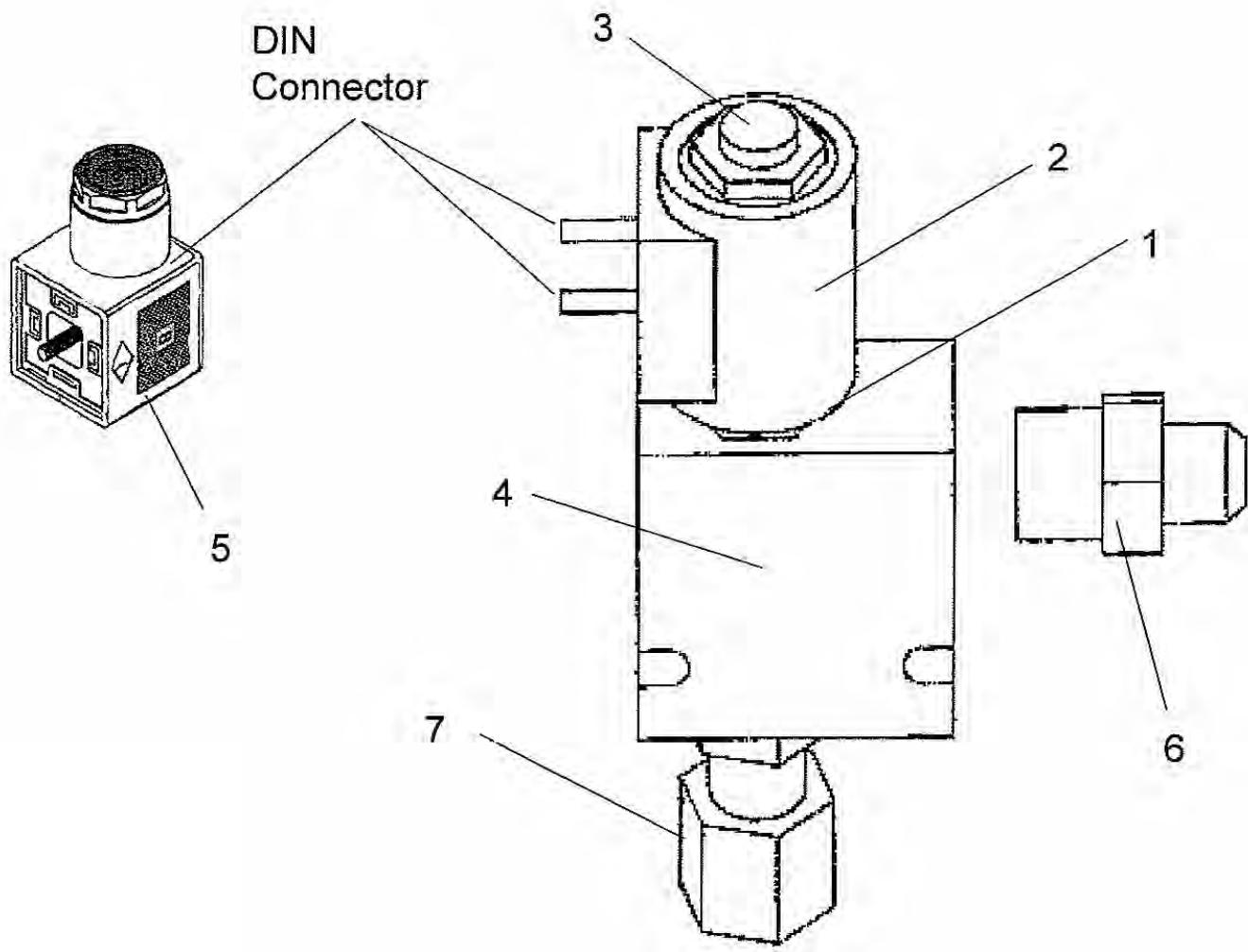
ITEM	PART NO.	QTY.	DESCRIPTION
	02968806	-	TILT CYL. ASY, W/ FITTINGS
	02967175A	-	TILT CYL. ASY, L/ FITTINGS
1	02975539	1	TUBE / BARREL WLD`MT
2	02975450	1	CYLINDER HEAD
3	02975454	1	PISTON
4	02975540	1	ROD WLD`MT
5	* SEAL KIT	1	O-RING (IN ITEM 17)
6	* SEAL KIT	1	SEAL ROD, HALITE (IN ITEM 17)
7	* SEAL KIT	3	SEAL, WIPER ROD (IN ITEM 17)
8	* SEAL KIT	2	SEAL, PISTON RING (IN ITEM 17)
9	* SEAL KIT	1	WEAR RING (IN ITEM 17)
10	02975453	1	LOCKNUT
11	*SEAL KIT	1	SEAL, CYL. HEAD (IN ITEM 17)
12	63149100	2	ELBOW
13	02968828	1	VINYL TAPE RED 1/2" WIDE
14	02968829	1	VINYL TAPE RED 1/4" WIDE
15	02968803	2	BUSHING
16	02975541	2	BUSHING
17	02975530	1	SEAL KIT (ITEMS 5,6,7,8,9 & 11)

## HYD LOCK VALVE SOLENOID ASY - PN 02972208 (OLD STYLE)



ITEM	PART NO.	QTY.	DESCRIPTION
	02972208	-	VALVE SOLENOID ASY
1	02971425	1	SEAL KIT, SOLENOID
2	02975198	1	COIL, SOLENOID
3	02975199	1	CARTRIDGE, VALVE

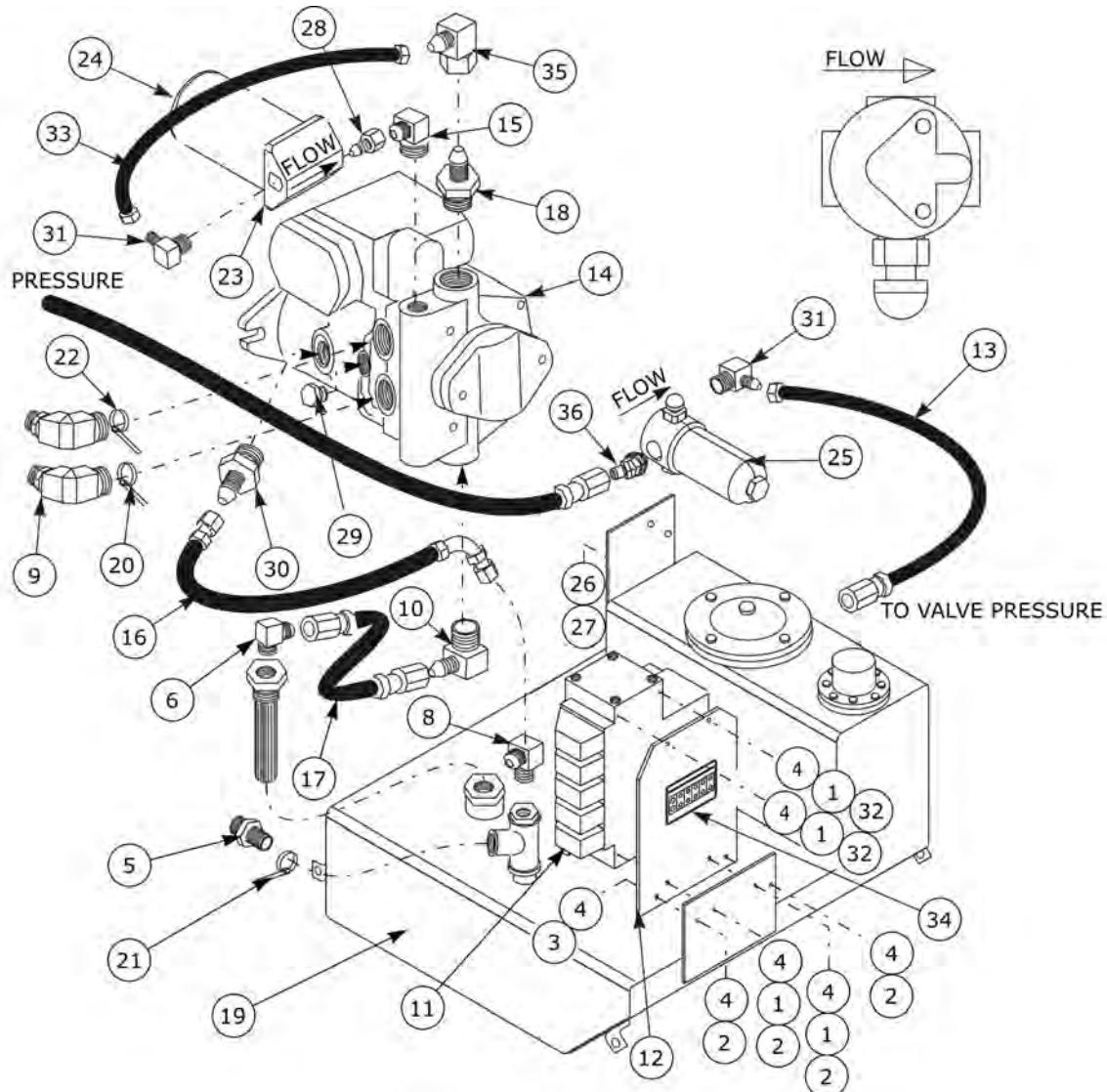
**HYD LOCK VALVE SOLENOID ASY - PN 02972208A (NEW STYLE)**



<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
	02972208A	-	LOCK VALVE & SOLENOID ASY F/ DIN CONNECTOR
1	02984756	1	SEAL KIT, SOLENOID VALVE
2	02984759	1	COIL 12V DC W/DIN CONNECTION
3	02984758	1	CARTRIDGE,SOLENOID VALVE
4	02984757	1	BODY, SOLENOID VALVE
5	002504	1	CONNECTOR COIL DIN CONNECTOR
6	-----	-	ADAPTER, HYD (NOT INCLUDED)
7	-----	-	ADAPTER, HYD (NOT INCLUDED)

**THIS PAGE INTENTIONALLY LEFT BLANK**

**HYD TANK ASY - PN 02976712 (OCFD) & PN 02976765 (CCLS)**



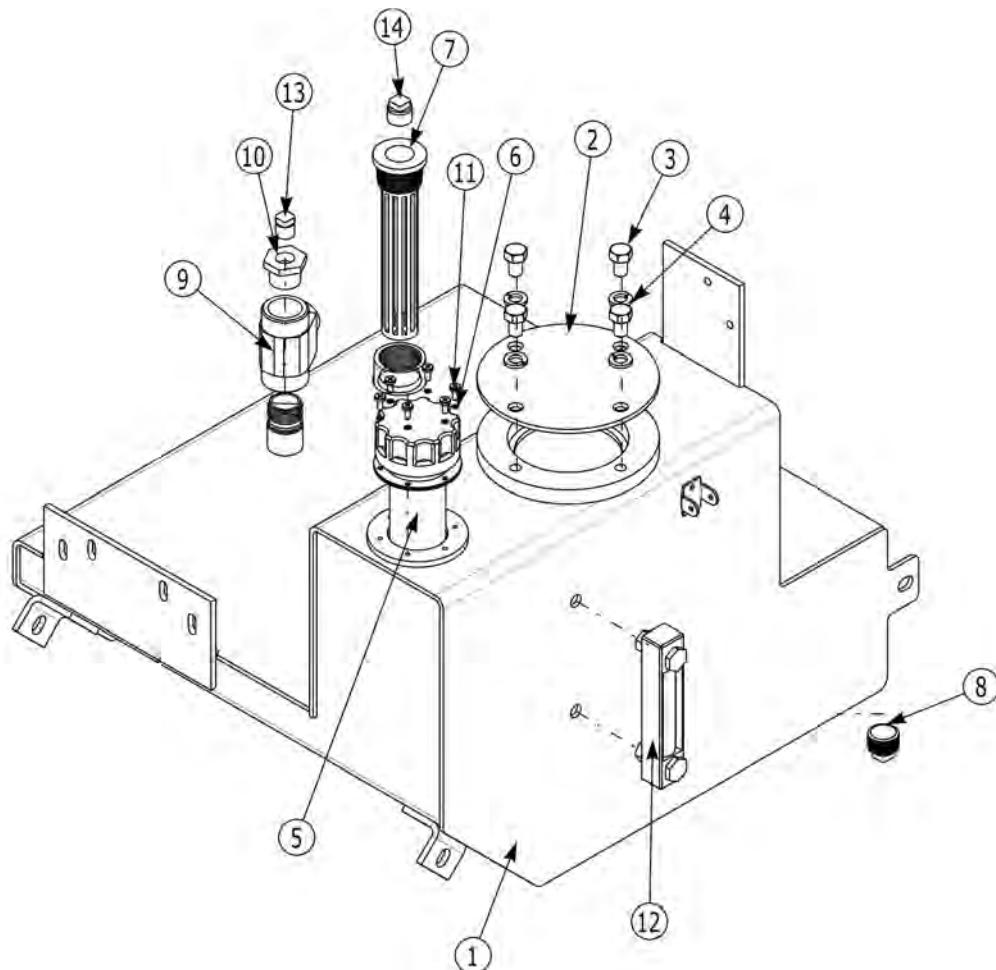
ITEM	PART NO.	QTY.	DESCRIPTION
	02976712	-	OIL RESERVOIR ASY, OCFD VALVE
	02976765	-	OIL RESERVOIR ASY, CCLS VALVE
1	00011700	4	LOCKWASHER
2	10119000	4	BOLT
3	00750940	2	LOCKNUT
4	00023500	4	FLATWASHER
5	00752067	1	ADAPTER, STRAIGHT
6	02041800	1	ELBOW, 90 DEG
8	02825900	1	ADAPTER, ELBOW
9	02043600	2	ADAPTER, 45 DEG
10	02822700	1	ELBOW
11	02976533	-	VALVE ASY, OCFD (FIXED DISPLACEMENT)

## HYD TANK ASY - PN 02976712 (OCFD) & PN 02976765 (CCLS)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02976688	-	VALVE ASY, CCLS (LOAD SENSE)
12	02976527	1	VALVE MOUNT PLATE
13	02976525	1	HYDRAULIC HOSE
14	02969527A	-	PUMP ASY, FRONT (NEW PUMP)
	02969527RB	-	PUMP ASY, FRONT (REBUILT PUMP)
	02977086	-	PUMP SEAL KIT
	02977199	-	PUMP SHAFT SEAL
	02970206	-	SOLENOID SERVO CONTROL
15	02976524	1	ADAPTER
16	02968164	1	HOSE
17	02968165	1	HOSE
18	02761100	1	ADAPTER, ELBOW
19	02976767	1	TANK ASY
20	02968894	1	VINYL TAPE RED 1/2" WIDE
21	02991249	1	VINYL TAPE GREEN 1/2" WIDE
22	02968896	1	VINYL TAPE BLUE 1/2" WIDE
23	02968922	1	PRESSURE FILTER HEAD
24	02968923	1	PRESSURE FILTER ELEMENT
25	02985280	1	FILTER ASY IN-LINE MACHETE
26	00035900	2	BOLT
27	00011700	2	LOCKNUT
28	02976523	1	ADAPTER
29	03200587	1	PLUG, HEX
30	63042700	2	ADAPTER
31	02161400	2	ADAPTER
32	00035900	2	BOLT
33	02959372	1	HOSE
34	02972106	1	DECAL, INST. HYD HOSE
35	02968167	1	ADAPTER, STRAIGHT
36	02975187	1	ADP HYD ELBOW 12MB - 8MJ 45

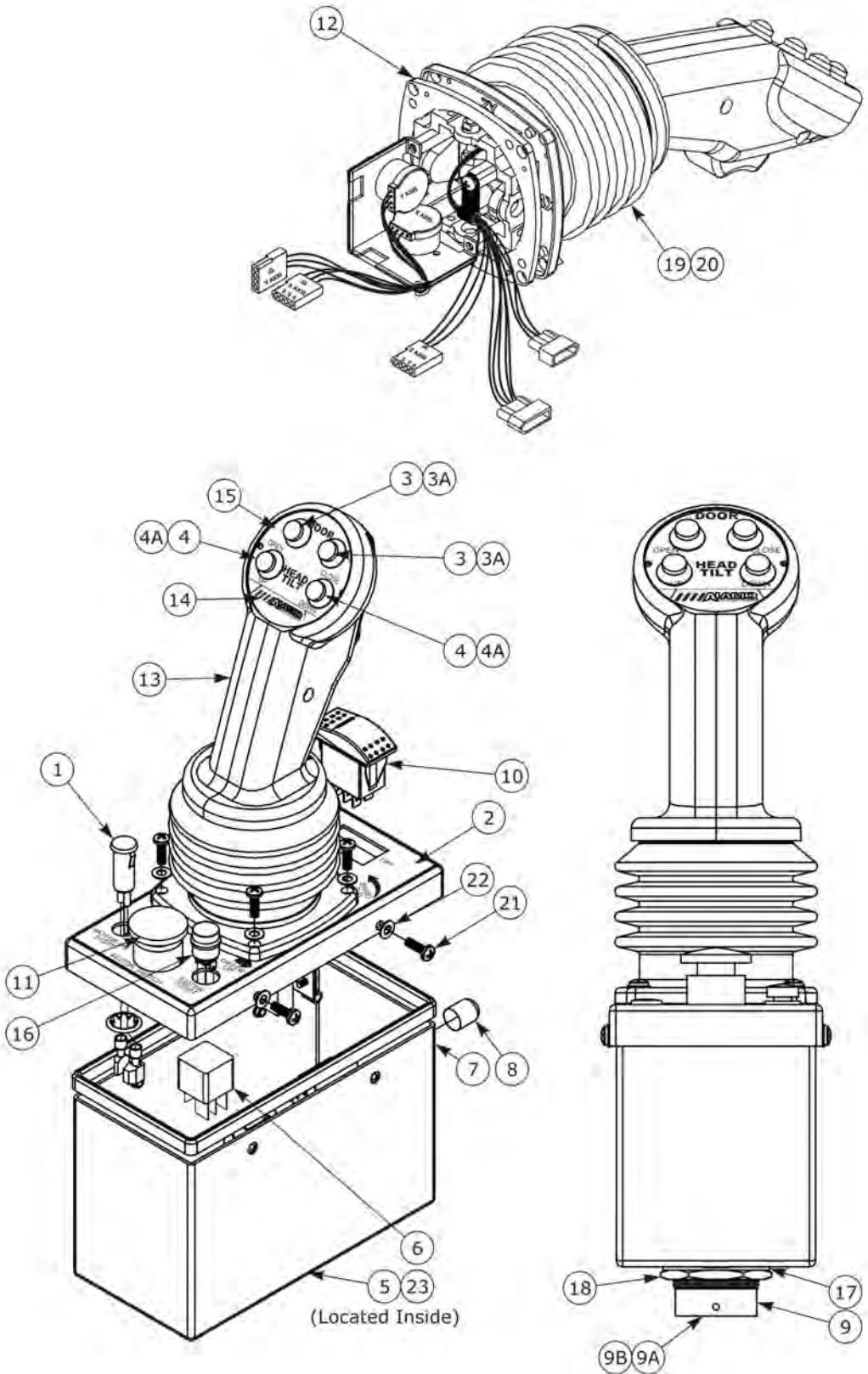
## HYD TANK SUB-ASY - PN 02976767



ITEM	PART NO.	QTY.	DESCRIPTION
	02966767	-	HYDRAULIC TANK SUB-ASY
1	02977040	1	TANK, WITH VALVE & FILTER MOUNT
2	02976242	1	COVER, TANK CLEANOUT
3	00011800	4	HHCS 1/2 NC PL5
4	00001300	4	LOCKWASHER 1/2
5	02968879	1	CAP, ASY FILLER/BREATHER
6	00751984	6	STARWASHER #10 PLATED
7	02968166	1	STRAINER, SUCTION 1-1/4 WITH 3/4" OULET
8	02963659	1	PLUG, MAGNETIC 1" NPT
9	02275700	1	ADP, HYD TEE 16FP -16FP-16FP
10	63081000	1	REDUCER BUSHING 16MP-8FP
11	02969917	6	SCREW METRIC 5-P0.8-12MM
12	02968880	1	GAUGE,SIGHT, TEMPERATURE
13	001892	1	PLUG CAP, 1/2 NPT
14	001817	1	CAP PLUG,3/4 NPT SQ. HEAD

**THIS PAGE INTENTIONALLY LEFT BLANK**

## JOYSTICK CONSOLE ASY



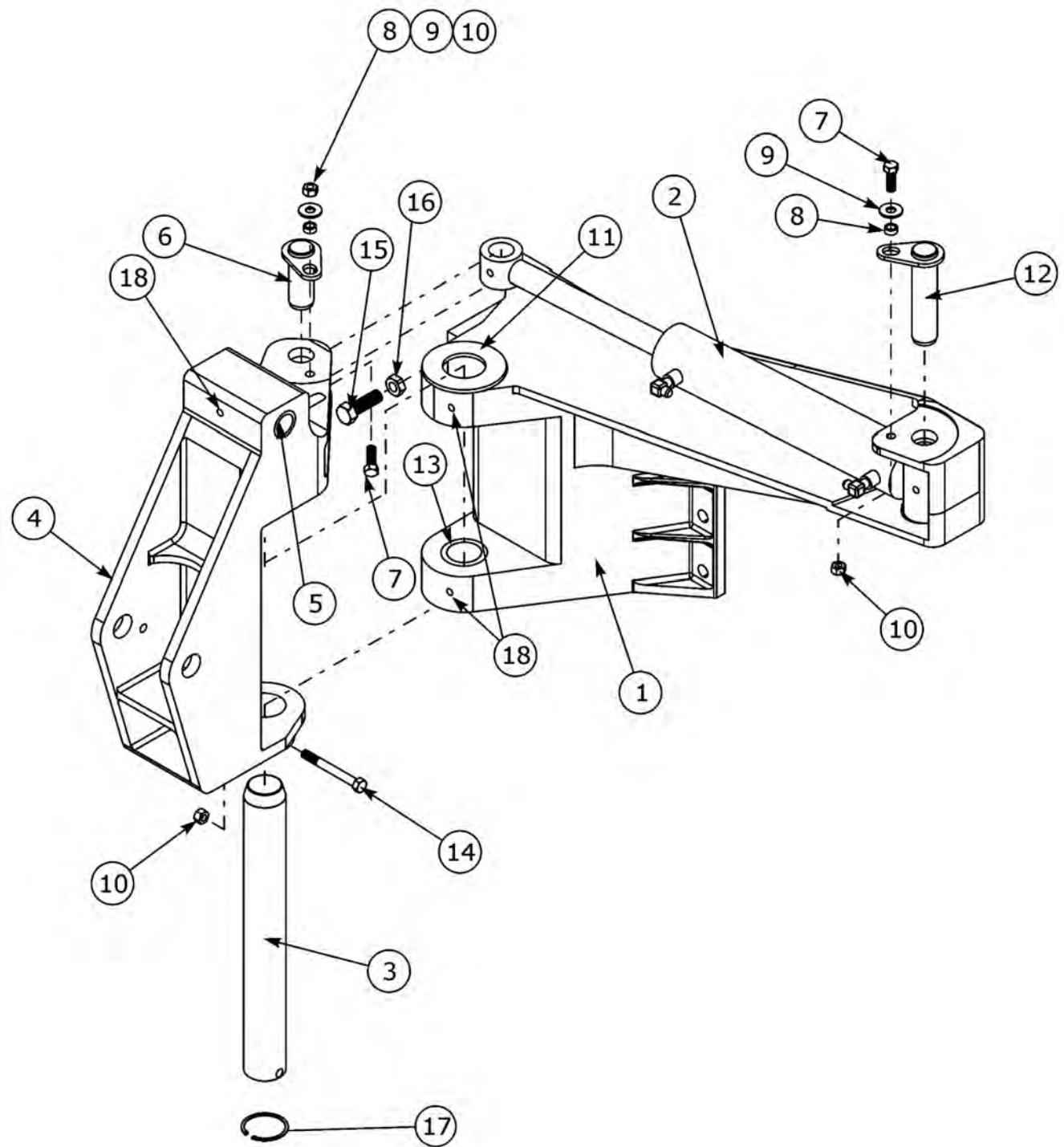
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## JOYSTICK CONSOLE ASY

**Continued...**

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

## KING POST SUB-ASY



02968915P - Machete Boom 17-21-24 FT (04-04)10-19

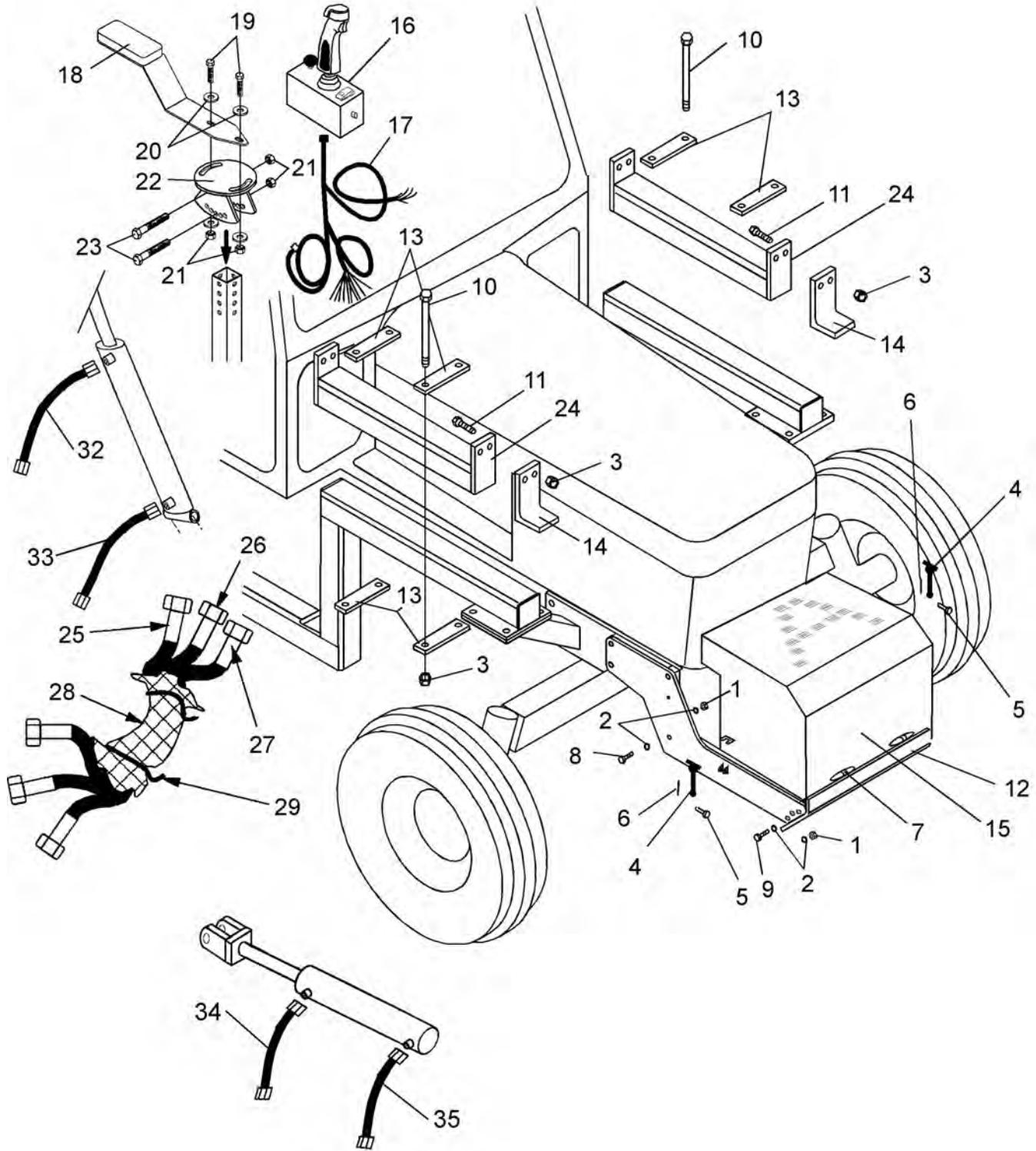
## KING POST SUB-ASY

**Continued...**

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	02975508	1	PIN 2-1/2 OD X 20-11/16 LONG
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
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	02978476	1	WLDMT PIN 1-1/2 OD X 6 LG
	02968804	2	BSHG TF-2-3/4OD X 2-1/2ID X 2
13	02987636	2	BUSHING CONNEX 2-3/4 X2 -1/2X2 (CHECK BUSHING SIZE BEFORE ORDERING)
	02989883	2	BUSHING 2.5IDX3.0ODX2.0LG (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.

## MOUNTING COMPONENTS - COMMON BOX (PART 1)



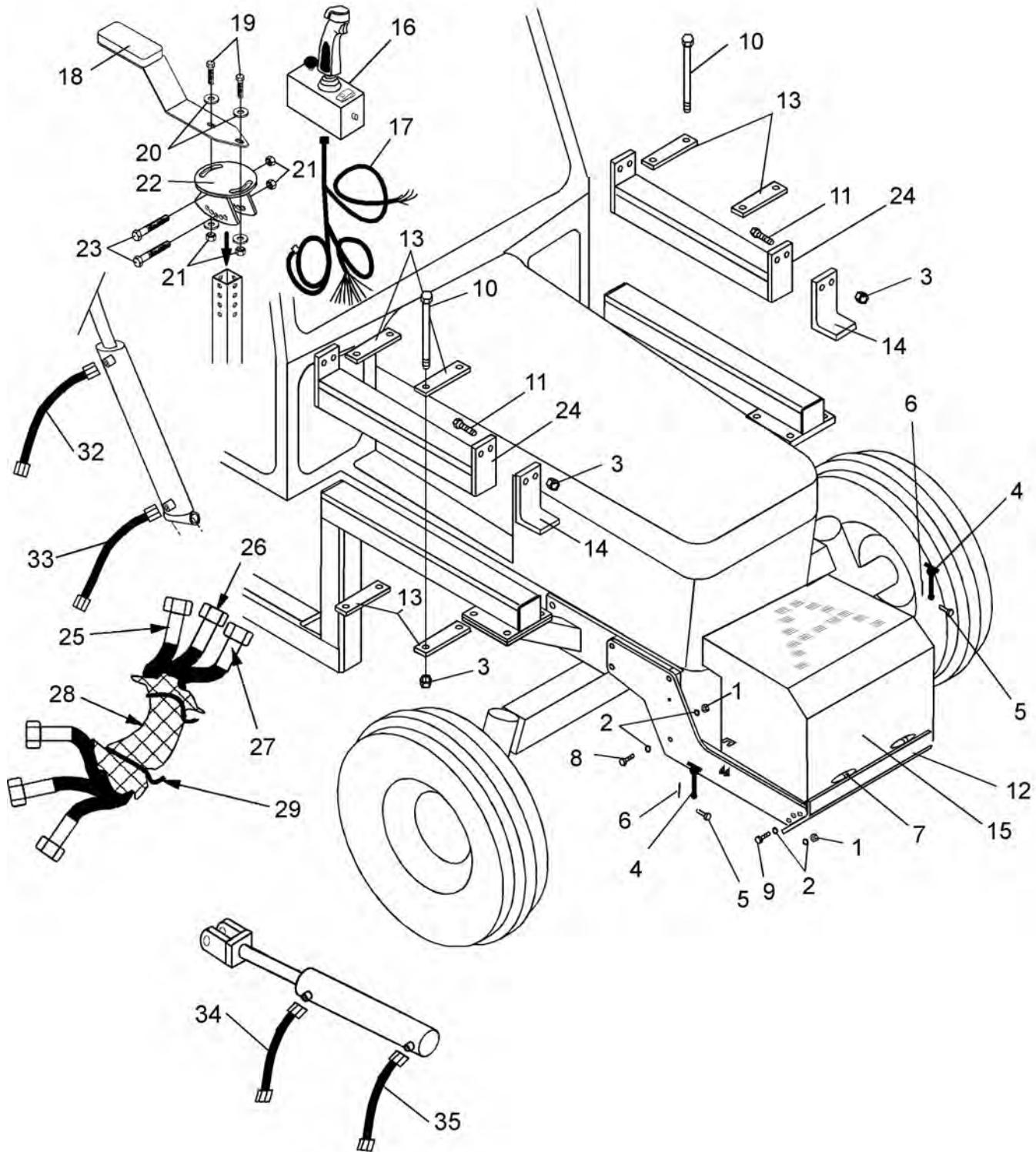
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## MOUNTING COMPONENTS - COMMON BOX (PART 1)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02976759	1	COMMON PARTS BOX, F/ OCFD VALVE
	02976766	1	COMMON PARTS BOX, F/ CCLS VALVE
1	00001800	8	LOCKNUT TLM 1/2 NC PLC
2	00002700	8	FLATWASHER
3	00037200	12	LOCKNUT
4	00725336	2	STRAP
5	00725337	2	PIN
6	02958488	2	COTTER PIN
7	00726119	2	BRASS WASHER, F/ HINGE
8	00749130	2	BOLT
9	02027400	6	BOLT
10	02957039	4	BOLT
11	02918600	8	BOLT
12	02966634	1	BUMPER
13	02966639	8	MOUNT STRAP
14	02966641	2	MOUNT ANGLE
15	02969032	1	TANK & PUMP COVER
16	02987829	1	ASY JSTK CONSOLE, SAMURAI
17	02971381	1	WIRING HARNESS (VALVE ON FRAME)
	002504	5	CONNECTOR
	02976024	5	CONNECTOR
	02976617	1	WIRE HARNESS (VALVE UNDER PUMP COVER)
18	02974389	1	ARM REST
19	00011400	2	BOLT
20	00011100	4	FLATWASHER
21	00015800	4	NUT
22	02961489	1	PIVOT PLATE
23	00059900	2	BOLT
24	02970116	2	FRAME TUBE
25	02968157	1	HOSE (W/ ORANGE TIE)
26	02968158	1	HOSE (W/ RED TIE)
27	02968170	1	HOSE (W/ BLUE TIE)
28	02961085	2	SLEEVING, F/ # 16 HOSES BOOM TO FRAME & FRAME TO PUMP
29	02753400	2	PLASTIC TIE
30	02976712	1	OCFD TANK & VALVE ASY
31	02976765	1	CCLS TANK & VALVE ASY
32	02968149	1	HOSE, LIFT CYL ROD (ORANGE TIE)
33	02968150	1	HOSE, LIFT CYL BASE (ORANGE W/ WHITE STRIPE TIE)
*	00012300	3	NUT (IN ITEM 36)
34	02968155	1	HOSE, SWING CYL ROD (GREEN TIE)

MOUNTING COMPONENTS - COMMON BOX (PART 2)



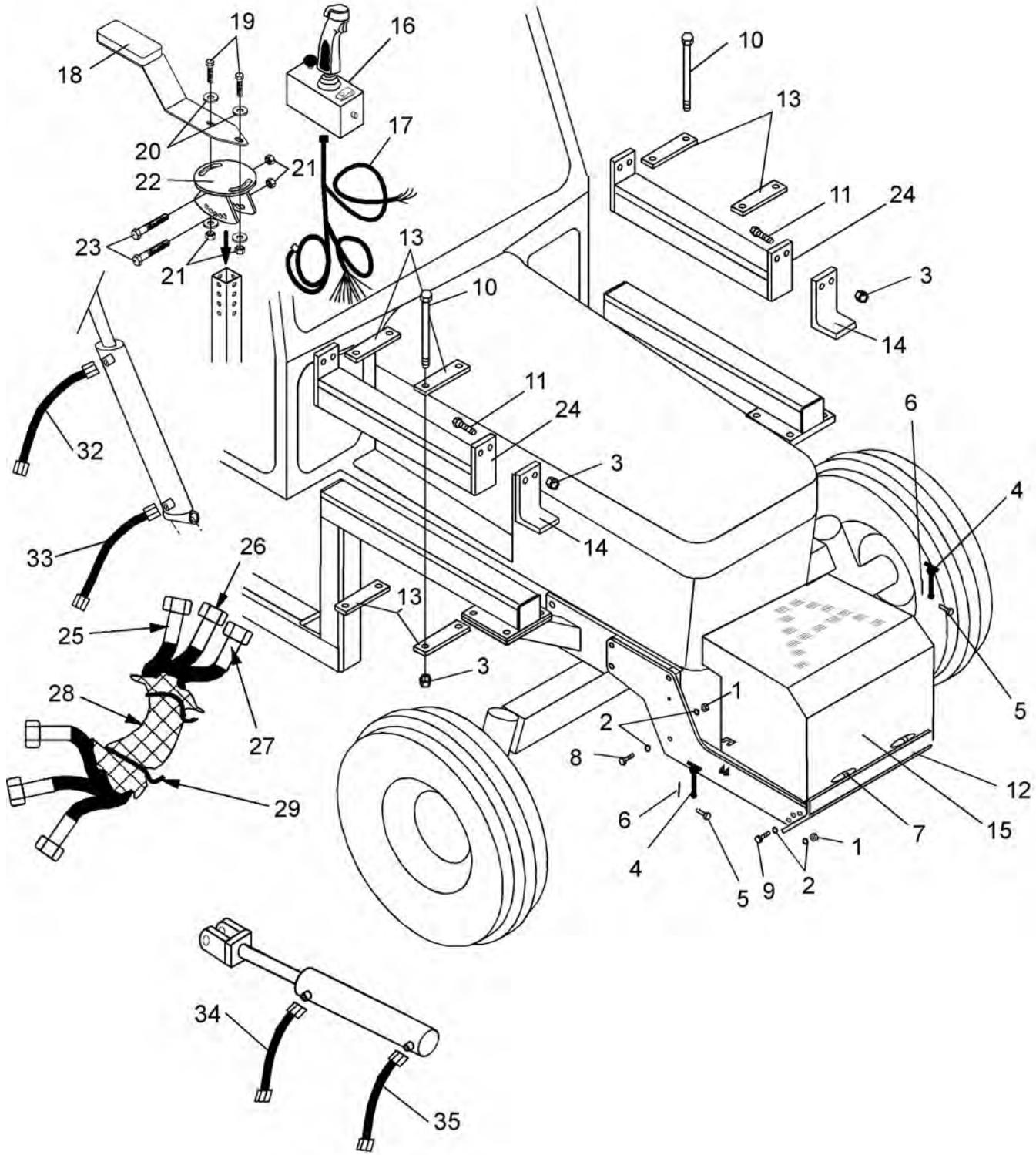
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## MOUNTING COMPONENTS - COMMON BOX (PART 2)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
35	02968156	1	HOSE, SWING CYL BASE (GREEN W/ WHITE STRIPE TIE)
36	02973297*	1	HARDWARE KIT (* INCLUDES ALL THE FOLLOWING ITEMS)
*	00001300	2	LOCKWASHER (IN ITEM 36)
	00001800	8	LOCKNUT TLM 1/2 NC PLC (IN ITEM 36)
	00002700	10	FLATWASHER (IN ITEM 36)
	00011100	4	FLATWASHER (IN ITEM 36)
	00011400	2	BOLT (IN ITEM 36)
	00012101	2	LOCKWASHER (IN ITEM 36)
	00012200	3	LOCKWASHER (IN ITEM 36)
	00015800	4	LOCKNUT (IN ITEM 36)
	00037200	16	LOCKNUT (IN ITEM 36)
	00059900	2	BOLT (IN ITEM 36)
	002369	1	DECAL, MULTI-HAZARD (IN ITEM 36)
	002508	2	DECAL, ALAMO LOGO (IN ITEM 36)
	00725336	2	STRAP (IN ITEM 36)
	00725337	2	PIN (IN ITEM 36)
	00725338	2	COTTER PIN (IN ITEM 36)
	00726119	8	WASHER, BRASS SPECIAL (IN ITEM 36)
	00750227	3	FLATWASHER (IN ITEM 36)
	02027400	8	BOLT (IN ITEM 36)
	02753400	2	PLASTIC TIE (IN ITEM 36)
	02776600	2	BOLT (IN ITEM 36)
	02892000	2	BOLT (IN ITEM 36)
	02911900	1	BOOM REST HOOK (IN ITEM 36)
	02918600	8	BOLT (IN ITEM 36)
	02957039	8	BOLT (IN ITEM 36)
	02958241	1	DECAL, TRACTOR OPERATOR (IN ITEM 36)
	02959010	1	PAMPHLET, SAFETY MOUNT (IN ITEM 36)
	02960766	1	DECAL, ALAMO GROUP (IN ITEM 36)
	02961085	1	CORDURA SLEEVING, 54" LONG (IN ITEM 36)
	02961306	1	CORDURA SLEEVING, 69" LONG (IN ITEM 36)
	02961489	1	PIVOT PLATE WLD MT (IN ITEM 36)
	02965093	1	DECAL, PROPER ENGINE SPEED (IN ITEM 36)
	02965262	1	DECAL, WARNING HOSE (IN ITEM 36)
	02979473	1	DECAL, AW ISO VG 100 TRAC, HYD FLUID (IN ITEM 36)
	02966639	8	BAR, MOUNT STRAP (IN ITEM 36)
	02966641	4	BAR, MOUNT ANGLE (IN ITEM 36)
	02967827	1	DECAL, MULTI-HAZZARD (IN ITEM 36)
	02968157	1	HOSE, # 16 X 52" LONG W/ ORANGE TIE (IN ITEM 36)
	02968158	1	HOSE, # 16 X 52" LONG W/ RED TIE (IN ITEM 36)
	02968170	1	HOSE, # 16 X 52" LONG W/ BLUE TIE (IN ITEM 36)

MOUNTING COMPONENTS - COMMON BOX (PART 3)



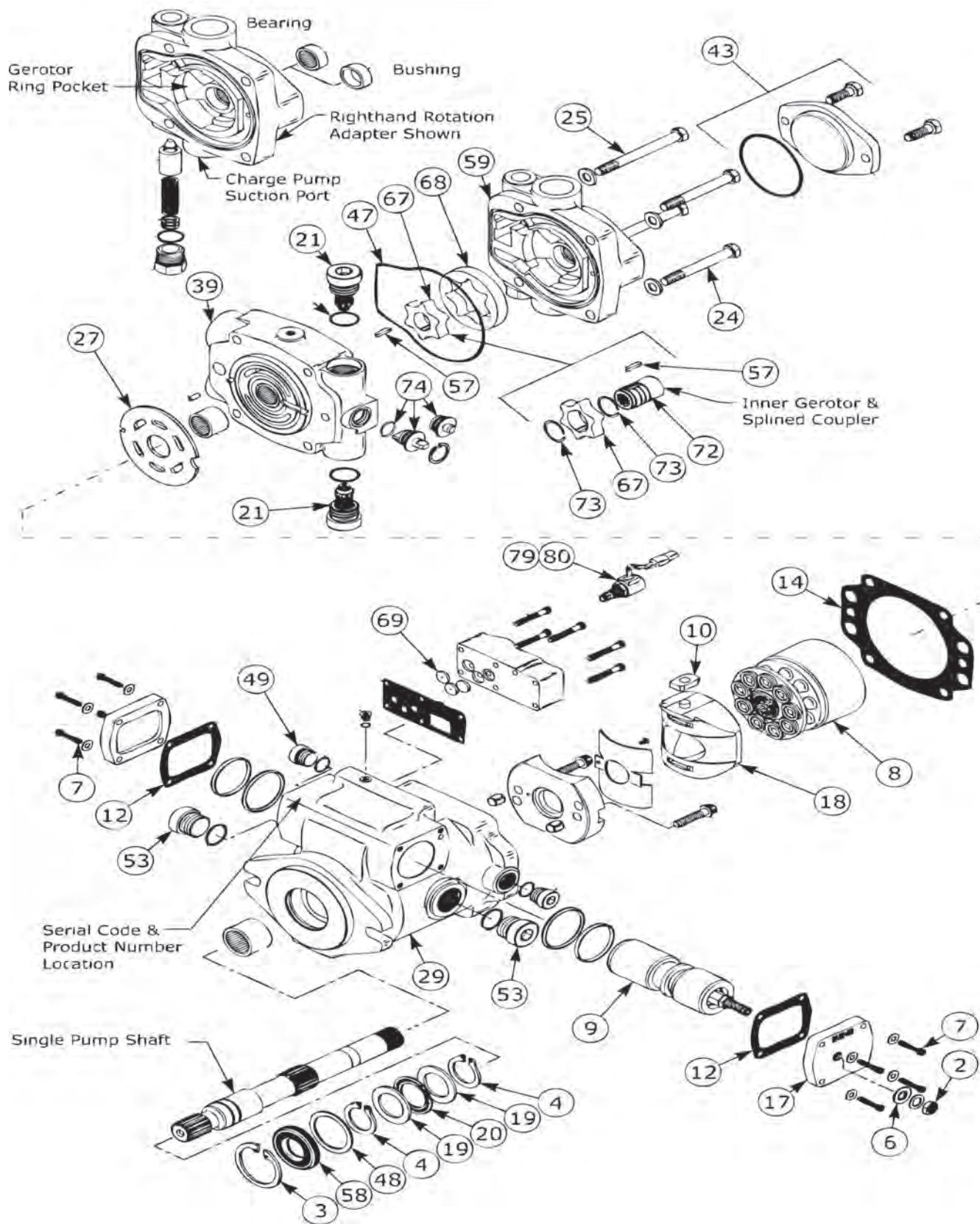
02968915P - Machete Boom 17-21-24 FT (04-04)10-19

## MOUNTING COMPONENTS - COMMON BOX (PART 3)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02968808	1	CORDURA SLEEVING, 54" LONG (IN ITEM 36)
	02968915	1	OPERATORS MANUAL (IN ITEM 36)
	02968954	2	DECAL, MACHETE (IN ITEM 36)
	02969525	1	DRAWING, INSTR. COUNTER WEIGHT (IN ITEM 36)
	02969559	1	BAR, BOOM STOP (IN ITEM 36)
	02969560	1	DRAWING, INSTR. BOOM STOP (IN ITEM 36)
	02970117	1	DRAWING, INSTR. FRAME RAIL (IN ITEM 36)
	02971123	1	DECAL, WARNING PRESSURE (IN ITEM 36)
	02971569	3	WASHER, WHEEL WEIGHT (IN ITEM 36)
	02971788	3	ROD, ALL THREAD (IN ITEM 36)
	02971791	1	DRAWING, INSTR. WHEEL WEIGHT (IN ITEM 36)
	02987829	1	JOYSTICK CONSOLE ASY (IN ITEM 36)
	02977046	1	MANUAL, EMI INDUSTRIAL (IN ITEM 36)
	03200285	1	DECAL, WATCH YOUR STEP (IN ITEM 36)
	5JRC1490	3	LOCKNUT (IN ITEM 36)
	63096300	1	PAINT, SPRAY CAN (IN ITEM 36)
	02975004	1	TIE ROD LUG (IN ITEM 36)

**PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 1)- PN 02969527A**

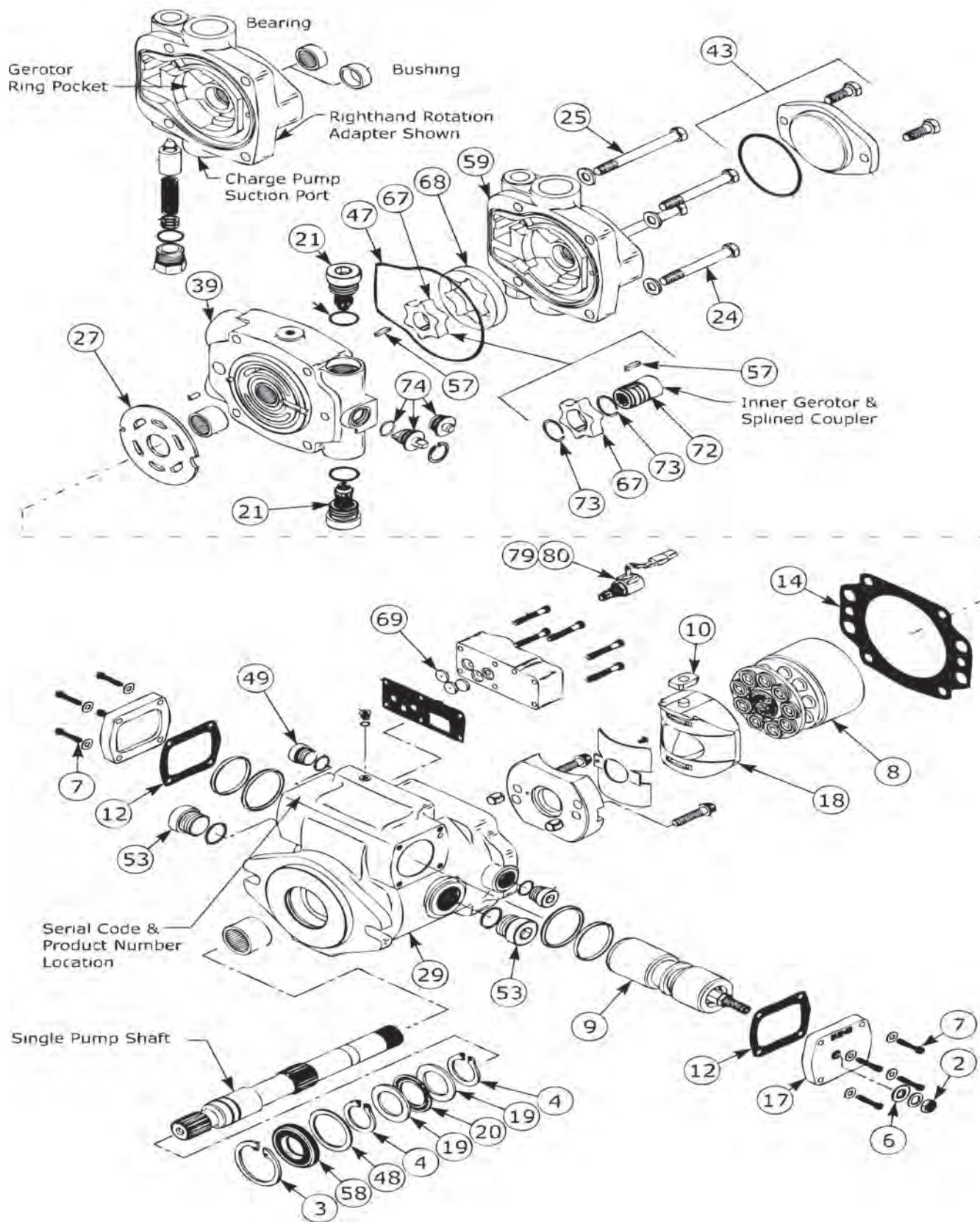


**PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 1)- PN 02969527A**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
2	02977418	1	NUT, JAM
3	02977419	1	RING, RETAINING
4	02977420	2	RING, RETAINING
6	02977421	1	WASHER, SEAL
7	02977422	8	SCREW, CAP
8	02977423	1	ROTATING KIT, SUBASSY
9	02977424	1	SERVO PISTON SUBASSY
10	02977425	1	FOLLOWER, SERVO PISTON
11	02977426	1	PLATE, COVER
12	02977427	2	GASKET, COVER PLATE
14	02977428	1	GASKET, HOUSING
17	02977430	1	PLATE, COVER
18	02977431	1	CAMPLATE, SUBASSY
19	02977432	2	RACE, THRUST
20	02977433	1	BEARING, THRUST
21	02977434	2	RELIEF VALVE SUBASSY
	02977539	2	O-RING .116 DIA X .924INSIDE
24	02977436	2	SCREW, CAP
25	02977437	2	SCREW, CAP
27	02977439	1	PLATE, VALVE
28	02977440	1	HOUSING SUBASSY
	02977526	1	HOUSING
	02977527	1	BEARING (PRESS FIT)
	02977528	1	PLUG, SUBASY
	02977529	1	O-RING .064 DIA X .239INSIDE
**	02989690	1	CRADLE, SUB-ASY
	02989691	2	DOWEL BUSHING
	02988733	1	BUSHING, CRADLE
**	02977533	1	CAP SCREW, BUTTON HEAD
	02977534	2	CAP SCREW
	02977535	2	SEAL SUBASY
39	02977441	1	BACKPLATE SUBASSY
	02977536	1	BEARING, PRESS FIT
	02977537	1	ROLL PIN
43	02977551	1	KIT, COVER PLATE FOR SAE A
	02977442	1	O-RING
	02977444	2	SCREW CAP
	02977449	1	PLATE, COVER
47	02977443	1	O-RING MOLDED
48	02977445	1	WASHER

**PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 2)- PN 02969527A**

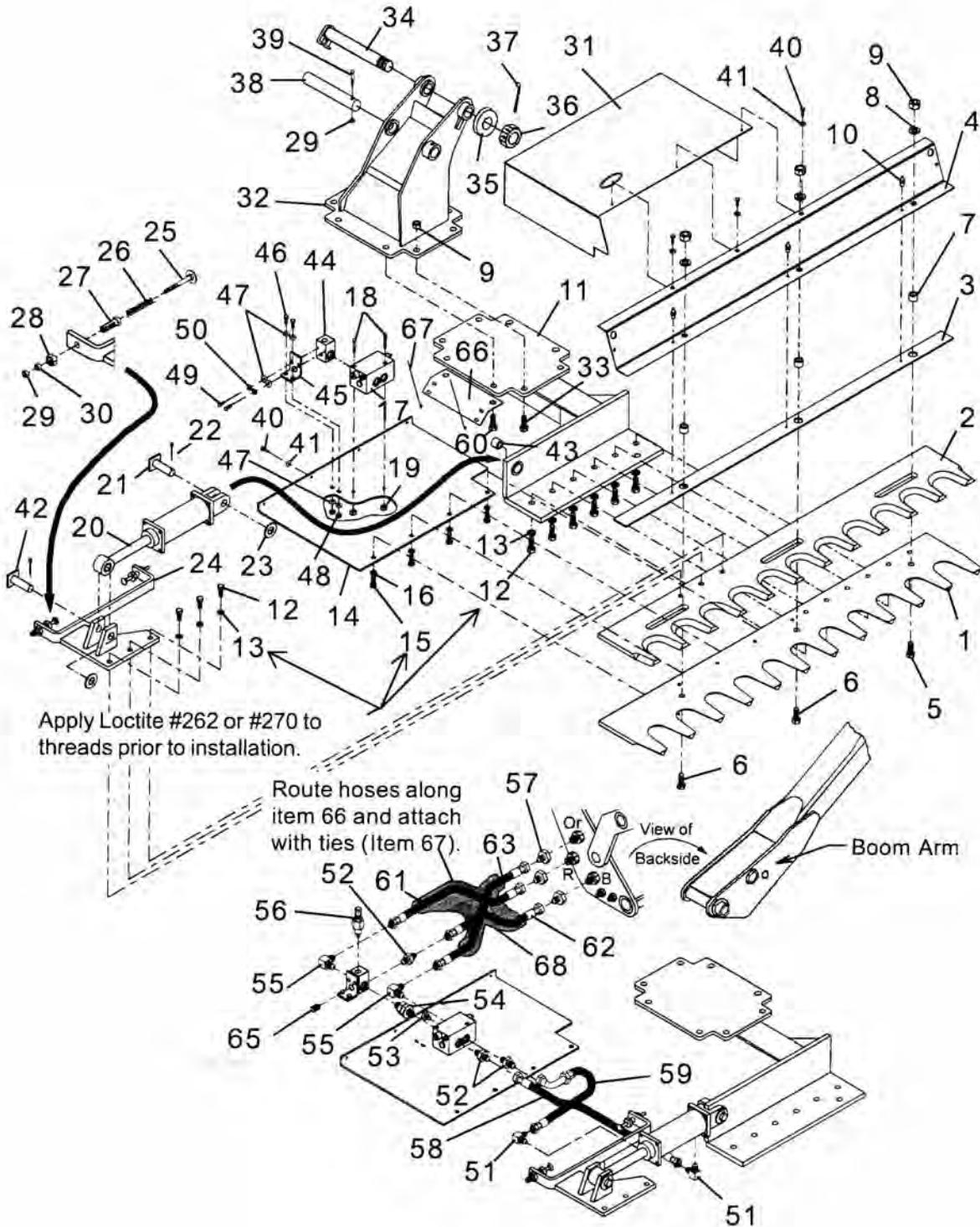


**PISTON PUMP - PISTON CCW 3.0 CID HYSTAT (PART 2)- PN 02969527A**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
49	02977446	2	PLUG, SUBASSY
	02977538	2	O-RING .087 DIA X .644INSIDE
53	02977447	2	PLUG, SUBASSY
	02977539	2	O-RING .116 DIA X .924INSIDE
57	02977448	1	KEY
58	02977199	1	SEAL PUMP SHAFT
59	02977450	1	CHARGE PUMP ASSEMBLY
	02977543	1	BUSHING, PRESS FIT W/11 TOOTH
	02977544	1	PLUG
	02977545	1	O-RING
	02977546	1	SHIM (1)NOTE: MAY REQUIRE MORE
	02977547	1	SPRING
	02977548	1	POPPET
67	02991556	1	RING, GEROTER, INNER
68	02991557	1	RING, GEROTER, OUTER
69	02977453	3	ORIFICE, CONTROL VALVE
72	02977456	1	COUPLER
73	02977457	2	RING, RETAINING
74	02977458	1	PLUG SUBASSY
	02977459	1	WASHER
76	02977460	8	WASHER
77	02977461	4	WASHER
78	02977462	1	RING LOCK
79	02983257	1	CARTRIDGE SOL VLV 3-WAY 2-POS
80	02983256	1	COIL 12VDC (ROUNDED)
	02970206	1	KIT,SOLENOID SERVO CONTROL
	02977086	1	SEAL KIT - PUMP
	02977325	1	SHAFT, PISTON PUMP

**TIMBERCAT - HEAD ASY (PART 1)**

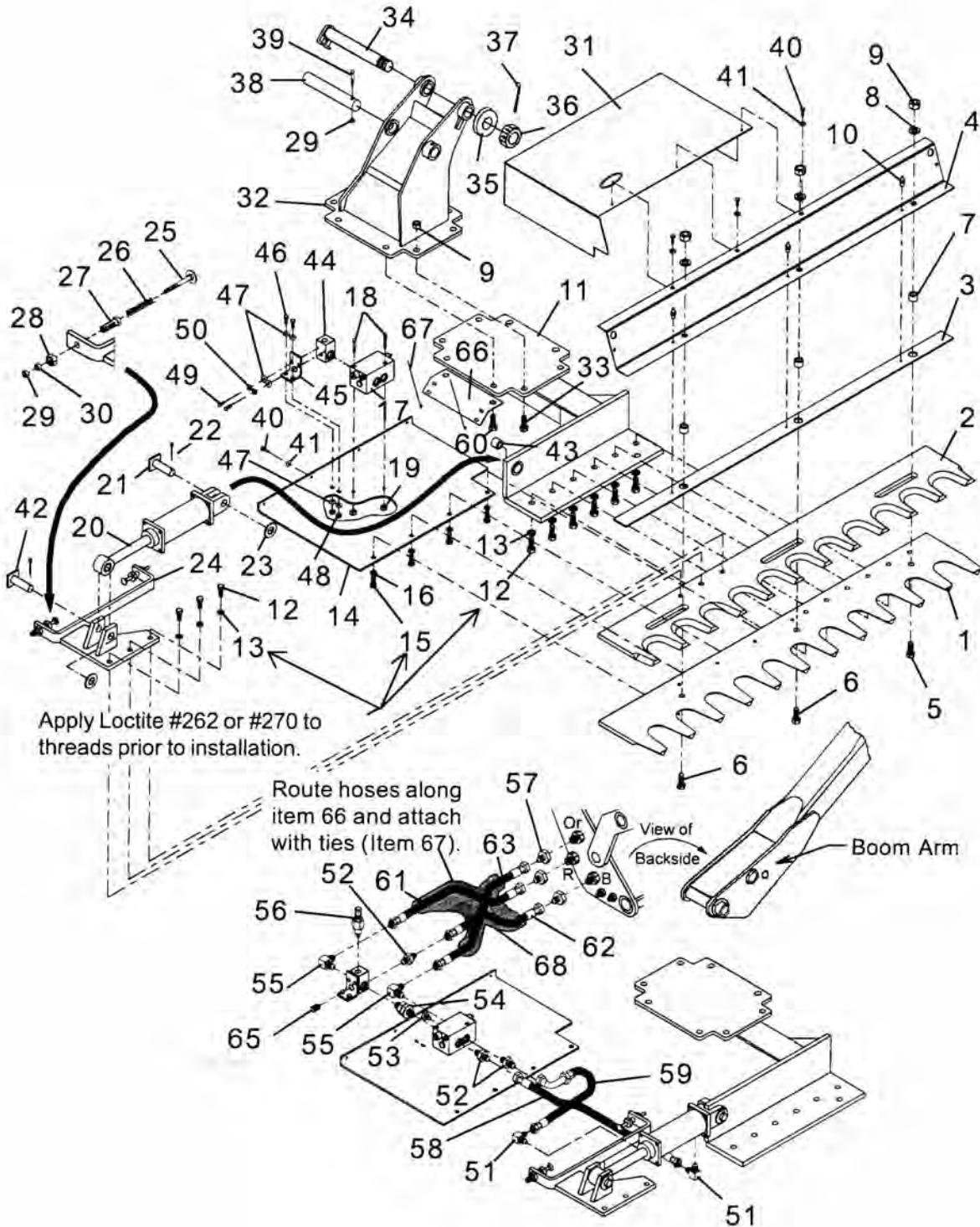


## TIMBERCAT - HEAD ASY (PART 1)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02972149	1	TIMBERCAT HEAD ASY, 5 FT
	02972150	1	TIMBERCAT HEAD ASY, 7 FT
1	02971390	1	BOTTOM BLADE, 5 FT
	02971392	1	BOTTOM BLADE, 7 FT
2	02971389	1	TOP BLADE, 5 FT
	02971391	1	TOP BLADE, 7 FT
3	02971398	1	SLIDE BEARING, 5 FT
	02971399	1	SLIDE BEARING, 7 FT
4	02972363	1	FRONT COVER, 5 FT
	02972512	1	FRONT COVER, 7 FT
5	00751581	1	BOLT
6	02960521	2	BOLT, 5 FT
	02960521	3	BOLT, 7 FT
7	02971400	3	BUSHING, 5 FT
	02971400	4	BUSHING, 7 FT
8	5312316	3	WASHER, 5 FT
	5312316	4	WASHER, 7 FT
9	00037200	11	LOCKNUT, 5 FT
	00037200	12	LOCKNUT, 7 FT
10	4720	3	GREASE FITTING, 5 FT
	4720	4	GREASE FITTING, 7 FT
11	02972567	1	TIMBERCAT FRAME
12	00024400	9	BOLT
13	02972570	9	LOCKWASHER
14	02972256	1	VALVE MOUNT FRAME
15	00750959	4	BOLT
16	00001300	4	LOCKWASHER
17	02972549	1	INVERSION VALVE
18	02972807	2	BOLT
19	00750940	2	LOCKNUT
20	02971423	1	CYLINDER ASY
21	02972505	1	PIN
22	00749495	2	COTTER PIN
23	02822500	2	WASHER
24	02972353	1	CYLINDER MOUNT
25	02972352	2	BOLT
26	02972262	2	SPRING
27	02972261	2	ADJUSTING BOLT
28	65010300	2	NUT
29	00015800	3	LOCKNUT
30	00751281	3	JAMNUT

**TIMBERCAT - HEAD ASY (PART 2)**



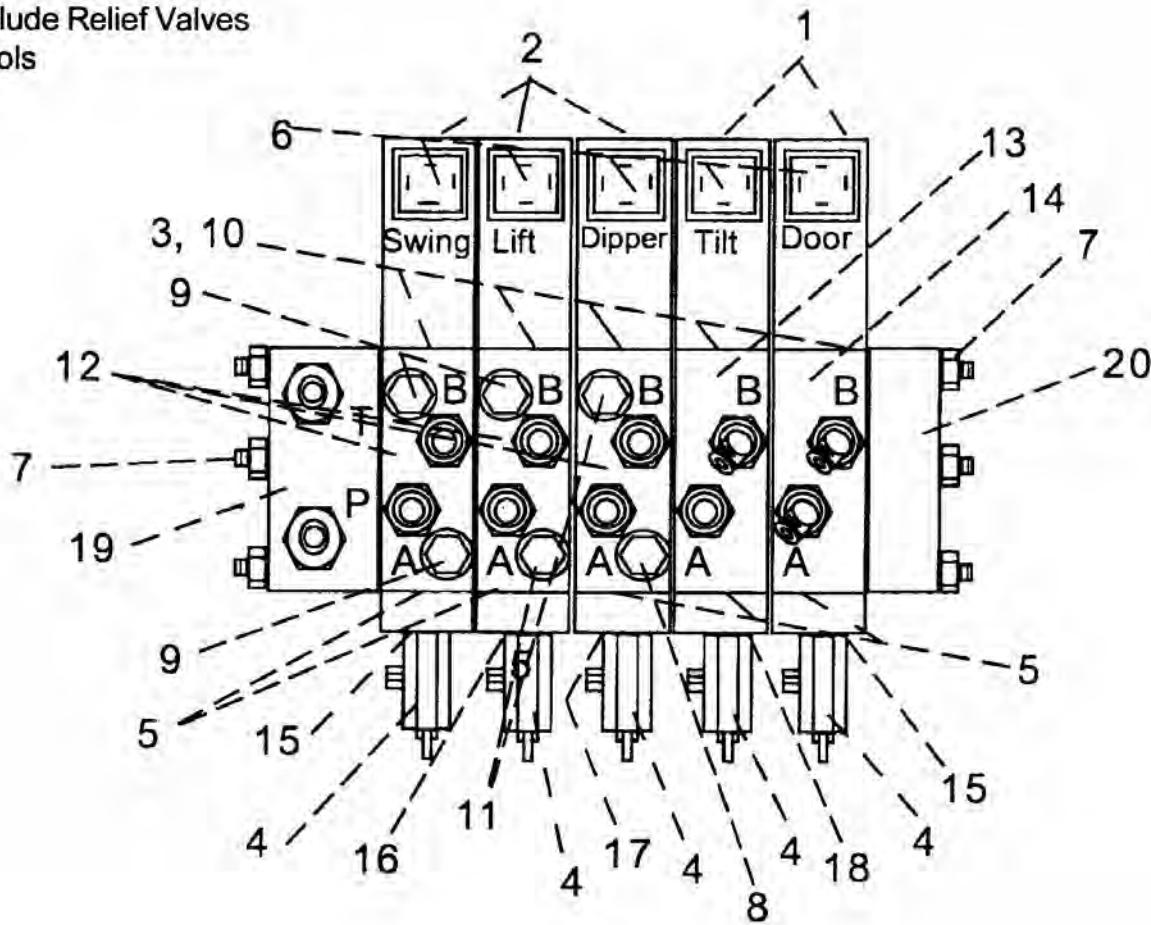
## TIMBERCAT - HEAD ASY (PART 2)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
31	02972355	1	COVER
32	02971928	1	HITCH POST, F/ MACHETE
33	02918600	7	BOLT
34	02971720	1	PIN
35	02971701	1	WASHER
36	02971702	1	LOCKNUT
37	165020	1	COTTER PIN
38	02971756	1	PIN
39	02970595	1	BOLT
40	00752735	7	SELF TAPPING SCREW
41	00023500	7	WASHER
42	02972507	1	PIN
43	02957501	1	BUSHING
44	02972568	1	MANIFOLD BLOCK
45	02972791	1	MANIFOLD BRACKET
46	10058000	2	BOLT
47	00024100	6	WASHER
48	02959924	2	NUT
49	00021400	2	BOLT
50	00017000	2	LOCKWASHER
51	02962213	2	ADAPTER, 90?
52	02042300	3	ADAPTER, STRAIGHT
53	001582	1	PLUG
54	02972796	1	ADAPTER, STRAIGHT
55	02161300	2	ADAPTER, 90?
56	02972569	1	RELIEF VALVE
57	02969464	3	ADAPTER, REDUCER
58	02972800	1	HOSE
59	02972799	1	HOSE
60	02959390	2	BOLT
61	02972980	1	HOSE - W/ RED TIE
62	02972981	1	HOSE - W/ BLUE TIE
63	02972982	1	HOSE - W/ ORANGE TIE
64	02965464	1	SLEEVING (NOT SHOWN)
65	00751003	1	PLUG
66	02973007	1	HOSE BRACKET
67	02753400	2	PLASTIC TIE
68	02965464	1	HOSE SLEEVING

**VALVE - PARTS - OPEN & CLOSED CENTER**

**Section Assemblies Do  
Not include Relief Valves  
or Spools**



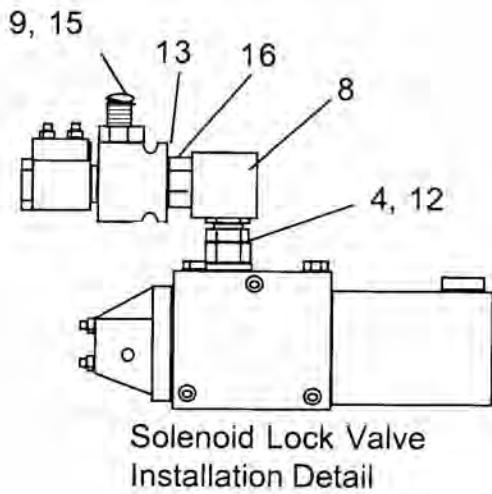
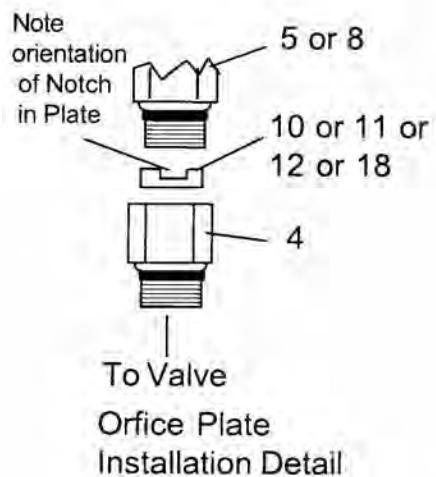
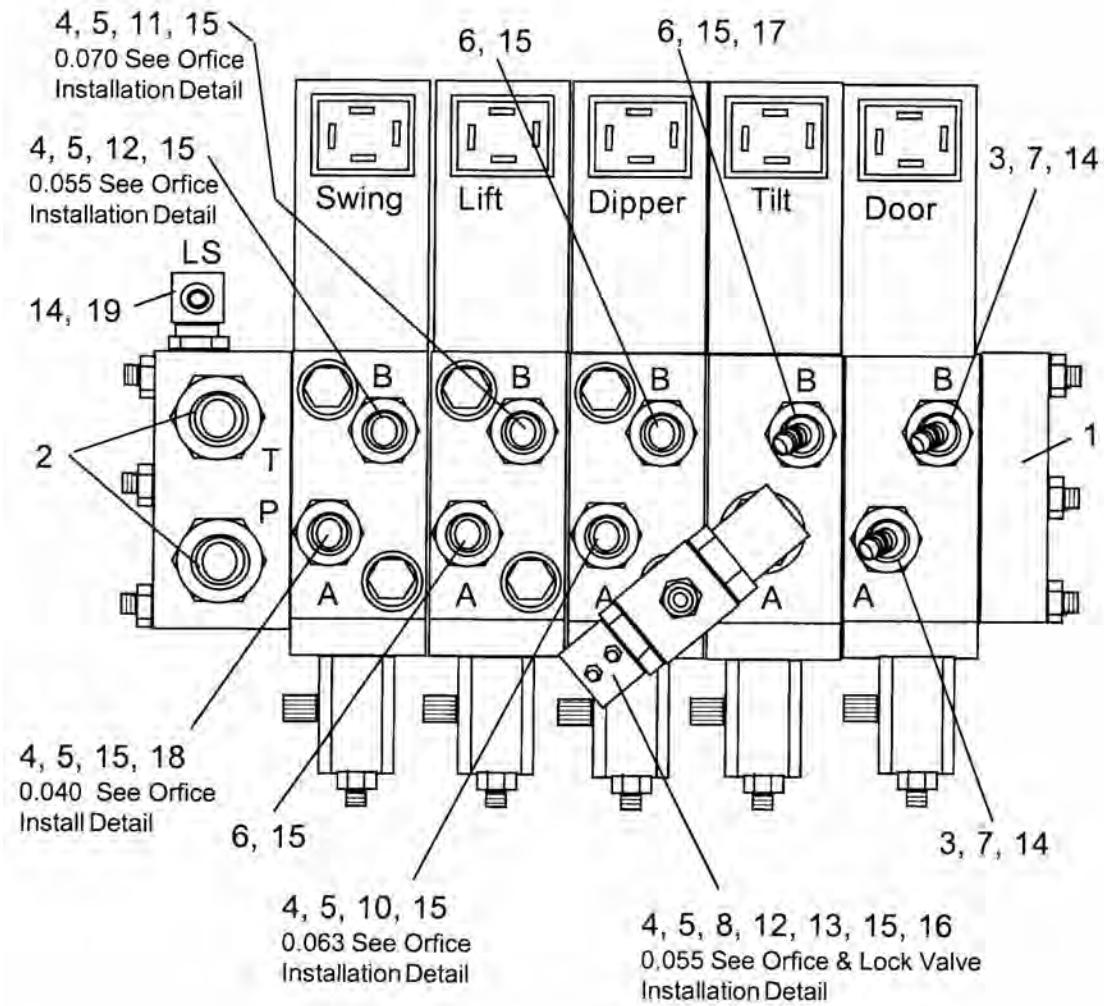
ITEM	PART NO.	QTY.	DESCRIPTION
	02971378	-	VALVE ASY, CCLS
	02971379	-	VALVE ASY, OCFD
1	02974004	2	ELECTRIC MODULE, DOOR & TILT
2	02974005	3	ELECTRIC MODULE, SWING LIFT & DIPPER
3	02974027	5	SEAL KIT, MODULE TO VALVE SECTION
4	02974838	5	HANDLE MODULE
5	02975950	5	SEAL KIT, HANDLE TO VALVE SECTION
6	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

## VALVE - PARTS - OPEN & CLOSED CENTER

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
11	02977957	2	RELIEF VALVE
12	02980656	3	SECTION ASY, SWING, LIFT OR DIPPER
13	02980657	1	SECTION ASY, TILT
14	02980658	1	SECTION ASY, DOOR
15	02980659	2	SPOOL, SWING OR DOOR
16	02980660	1	SPOOL, LIFT
17	02980661	1	SPOOL, DIPPER
18	02980662	1	SPOOL, TILT
19	02980663	1	SECTION, INLET (CCLS)
	02980664	1	SECTION, INLET (OCFD)
20	02980665	1	SECTION, END CAP

## VALVE ASY - 5 SPOOL (CCLS)

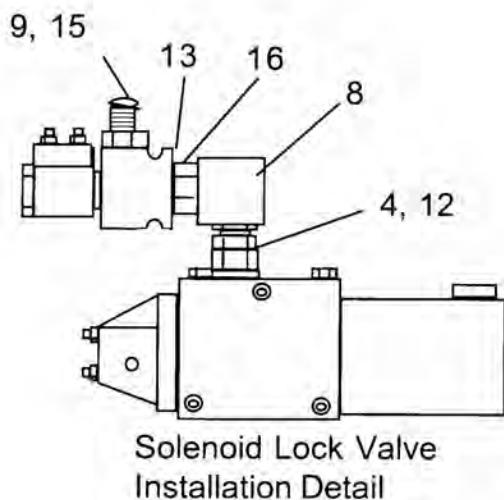
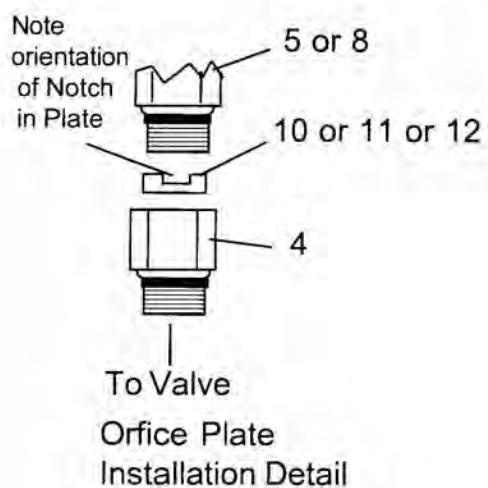
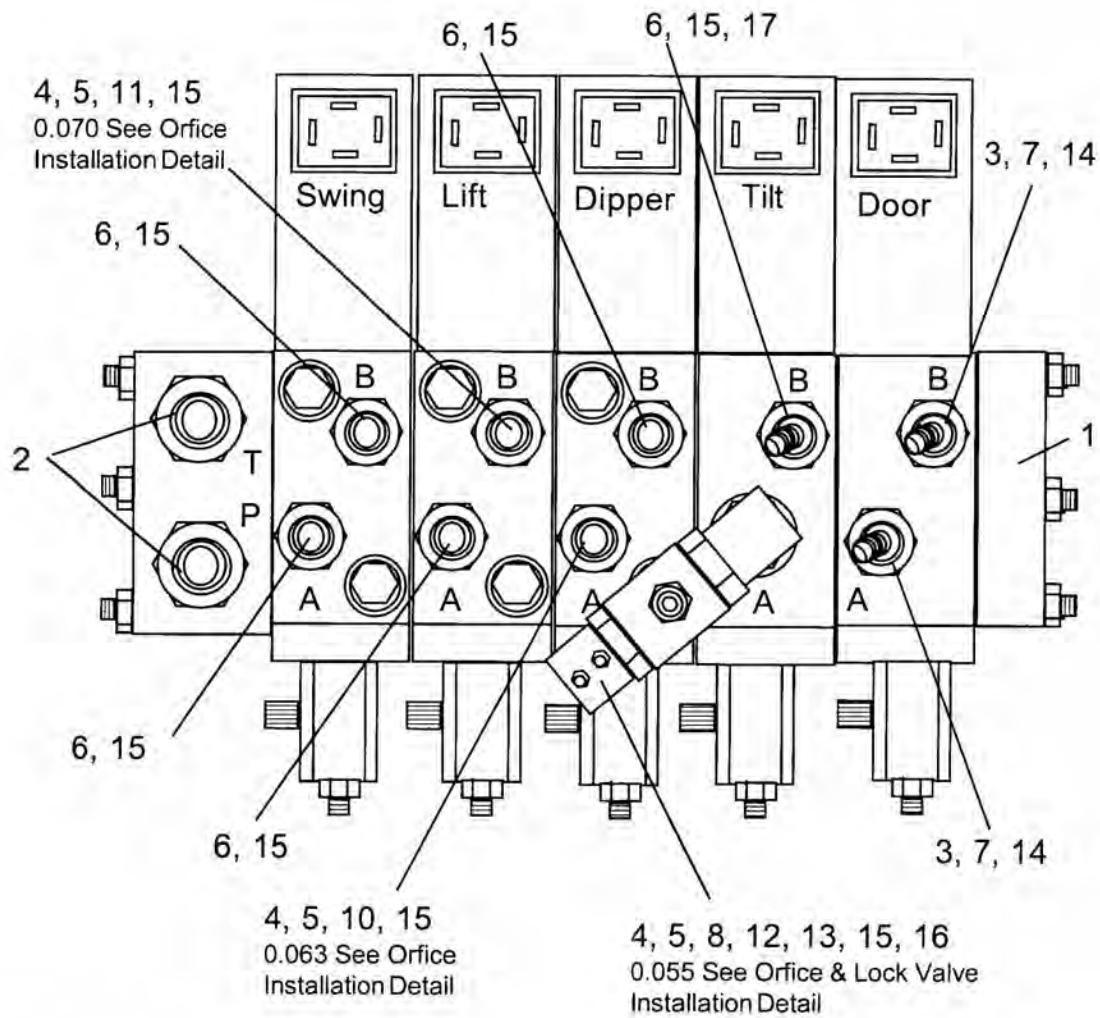


## VALVE ASY - 5 SPOOL (CCLS)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02976688	-	VALVE ASY, 5 SPOOL (LOAD SENSE)
1	02971378	1	VALVE, 5 SPOOL
2	63042700	2	ADAPTER, STRAIGHT
3	02976632	2	ADAPTER, ELBOW, 90 DEG
4	02972113	5	ADAPTER, STRAIGHT
5	02968850	5	ADAPTER, STRAIGHT
6	02972177	3	ADAPTER, STRAIGHT
7	02972179	2	ADAPTER, STRAIGHT
8	02962213	1	ADAPTER, ELBOW, 90 DEG
9	02968850	1	ADAPTER, STRAIGHT
10	02972209	1	ORIFICE, .063
11	02972210	1	ORIFICE, .070
12	02969398	2	ORIFICE, .055
13	02972208A	1	SOLENOID LOCK VALVE ASY
14	02957416	3	CAP, PLASTIC (OUTER)
15	02963637	8	CAP, PLASTIC (OUTER)
16	02975438	1	ADAPTER, STRAIGHT
17	02976531	1	ADAPTER, ELBOW
18	02968399	1	ORIFICE, .040
19	02972178	1	ADAPTER, ELBOW

## VALVE ASY - 5 SPOOL (OCFD)



## VALVE ASY - 5 SPOOL (OCFD)

**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
	02976533	-	VALVE ASY, 5 SPOOL (OCFD)
1	02971379	1	VALVE ONLY, 5 SPOOL
2	63042700	1	ADAPTER, STRAIGHT
3	02976532	1	ADAPTER, ELBOW 45 DEG
4	02972113	1	ADAPTER, STRAIGHT
5	02968850	3	ADAPTER, STRAIGHT
6	02972177	5	ADAPTER, STRAIGHT
7	02972179	2	ADAPTER, STRAIGHT
8	02962213	1	ADAPTER, ELBOW 90 DEG
9	02968850	3	ADAPTER, STRAIGHT
10	02972209	1	ORIFICE, .063
11	02972210	1	ORIFICE, .070
12	02969398	1	ORIFICE, .055
13	02972208A	1	SOLENOID LOCK VALVE ASY
14	02957416	8	CAP, PLASTIC, OUTER
15	02963637	2	CAP PLASTIC
16	02975438	1	ADAPTER, STRAIGHT
17	02976531	1	ADAPTER, ELBOW





## 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](mailto:support@alamo-industrial.com)

## Warranty Registration/Claims

[www.alamoparts.com](http://www.alamoparts.com)

## Return Authorizations

Online Part Orders  
Technical Information  
[www.alamoparts.com](http://www.alamoparts.com)

Tel 800.356.6286      Fax 800.322.5141  
[www.alamo-industrial.com](http://www.alamo-industrial.com)

