

Rev 02-14

VERSA (TN)

Boom

Part No.02989870P

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

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

CHANGE PAGES

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

PARTS ORDERING GUIDE

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

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

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



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



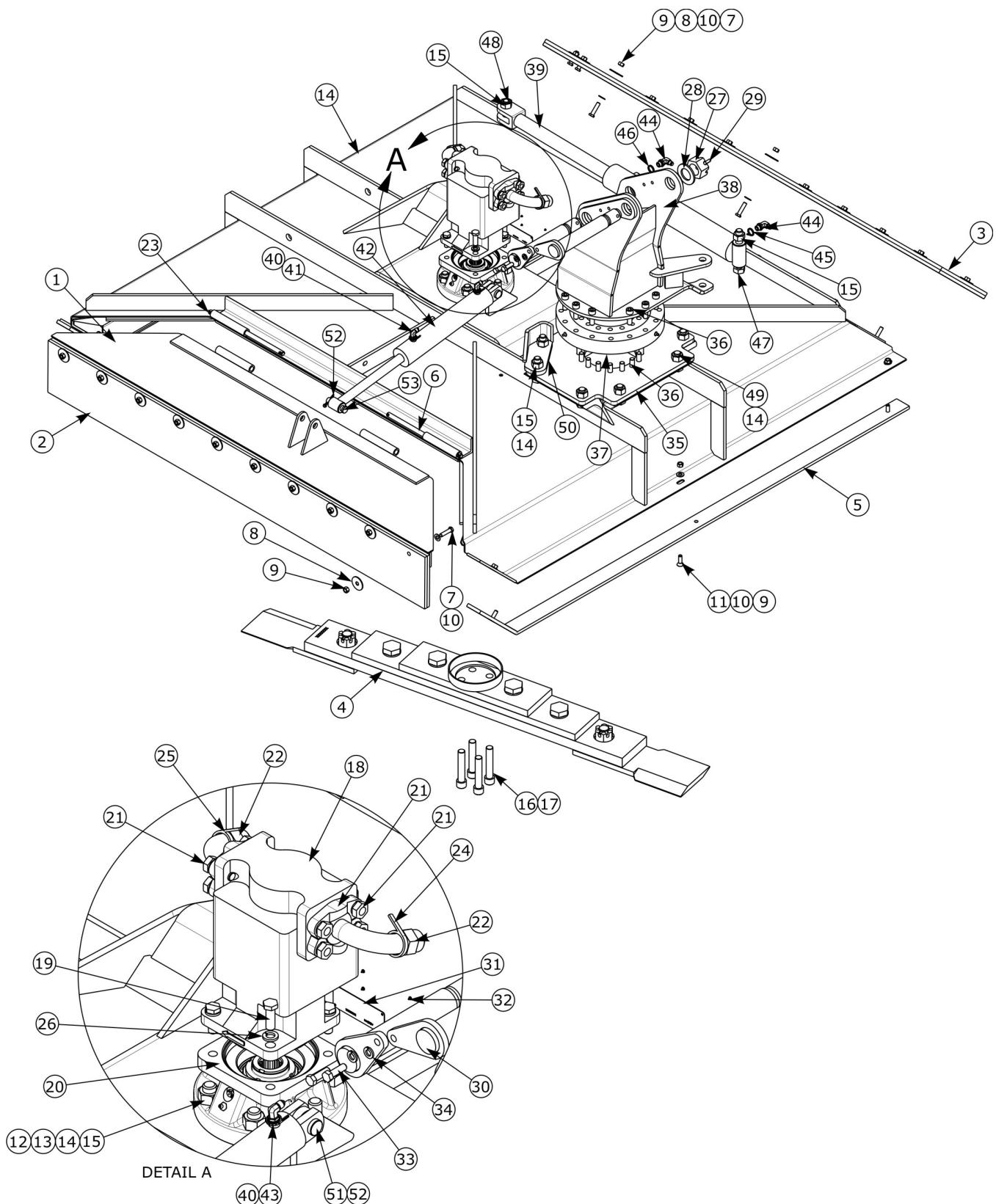
ALAMO INDUSTRIAL

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

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60 IN ROTARY HEAD ASSEMBLY (PART 1)

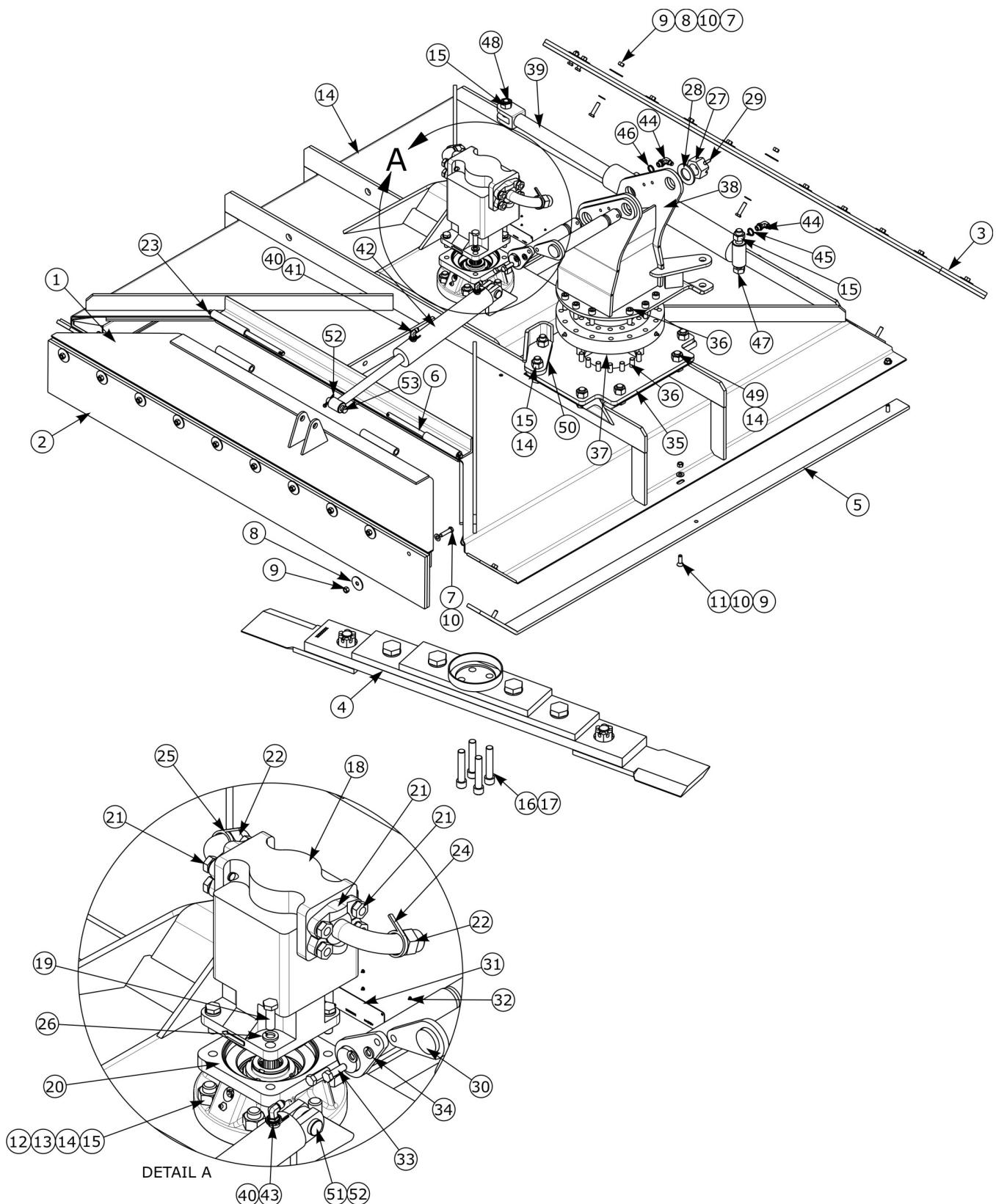


60 IN ROTARY HEAD ASSEMBLY (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02990662	1	ASY, 60" HEAD, VB2, SWIVEL
1	02990661	1	WLDMT, DOOR
2	02989423	2	DOOR, FRONT, FLAP 3/8 THK
3	02989422	2	REAR FLAP 10 X 63 X 3/8 THK
4	02969230	1	ASY, BLADE BAR W/BLADES
5	02989424	2	SKID SHOE
6	02989437	2	ROD, DOOR HINGE PIN
7	00023100	22	HHCS 3/8 X 1-1/2 NC PL GR5
8	02035800	22	WASHER, 3/8", SPECIAL PLATED
9	00015800	28	LOCKNUT TLM 3/8 NC PLC
10	00011100	28	FLATWASHER 3/8 STD
11	00059700	6	FSCS 3/8 NC X 1-1/4
12	5312316	6	FLATWASHER 3/4 HARDENED
14	02973438	6	HHCS 3/4 NC 3-1/4 PL8
	02990660	1	WLDMT, DECK WITH SWIVEL
15	00037200	16	NUT 3/4 NC LOCKNUT
16	02964861	4	SHCS 3/4 NC 4" LG PL8
17	00003901	4	LOCKWASHER 3/4 HEAVY
18	02989904	1	MOTOR, HYD, GEAR, 5.73 HP SEAL
19	02892000	4	HHCS 1/2NC 1-1/2 LG PL8
20	02960553B	1	ASSY SPINDLE HOUSING SPLINED
21	00749101	2	SPLIT FLANGE KIT #24
22	00751842	2	ADP HYD ELBOW 24FL - 16MJ - 90
23	99338S	4	PIN ROLL 1/4 X 3/4
24	02989976	1	TIE, STEEL, RED
25	02989977	1	TIE, STEEL, BLUE
26	00001300	4	HIGH ALLOY, L/W 1/2 YZ KG
27	02971701	3	NUT, SLOTTED 1-3/8 12NF PLB
28	02971702	3	FLATWASHER, 1-3/8 TYPE B PL NARROW
29	165020	3	PIN, COTTER 5/16 X 2-1/2 PL
30	02981757	2	WELDMENT, PIN, HITCH POST
31	02990655	1	PLATE, S/N TENN DOT
32	3710151	4	METAL TACK
33	00753642	2	HHCS 3/8 NC 1-1/4 PL5
34	00012101	2	LOCKWASHER, 3/8" PL
35	02981752	1	PLATE, HITCH POST BOTTOM, MAVERICK
36	02981820	28	SHCS 1/2 NC X 1 1/2" LG PL8
37	02981318	1	BEARING, 12OD X 5.8ID
38	02985319	1	WELDMENT, HITCH POST
39	02981315	1	CYLINDER, 2.5B X 1.5R X 14.38S
40	02960018	2	ADP, HYD, ELBOW, 4MB-4MJ90

60 IN ROTARY HEAD ASSEMBLY (PART 2)



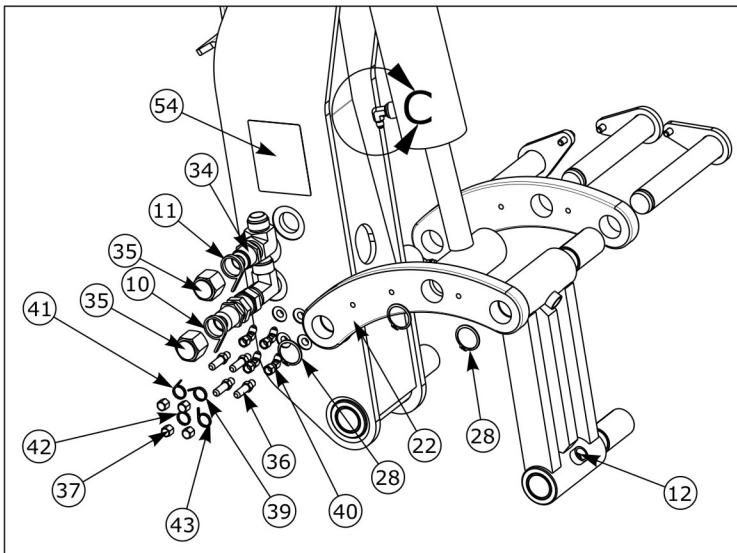
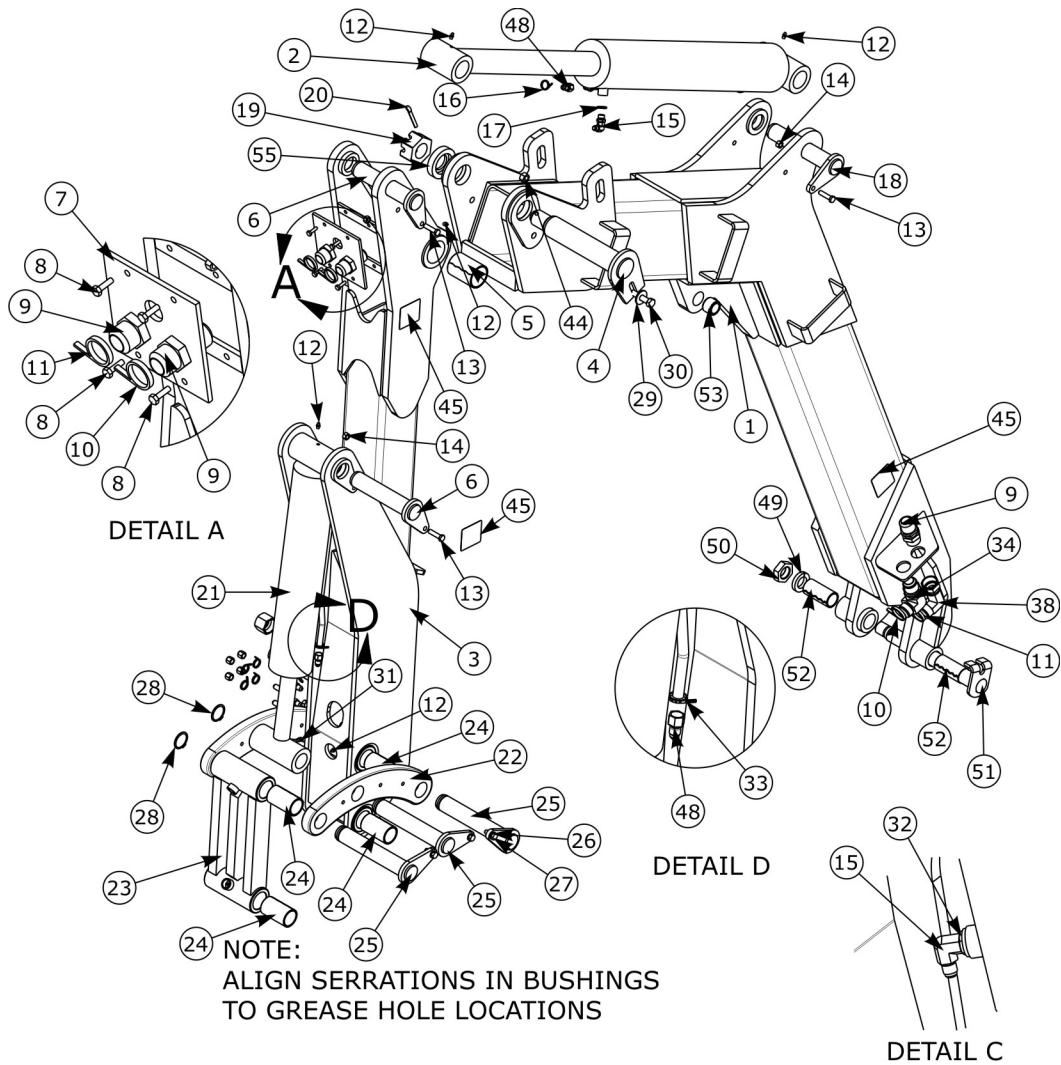
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60 IN ROTARY HEAD ASSEMBLY (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
41	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
42	02961480A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
43	02968837	1	VINYL TAPE YELLOW 1/2" WIDE
44	03200762	2	ADP, HYD 6MB-4MJ 90
45	02968833	1	VINYL TAPE GREEN 1/4" WIDE
46	02968832	1	VINYL TAPE GREEN 1/2" WIDE
47	02960916	1	HHCS 3/4 NC 5 PL8
48	02963646	3	HHCS 3/4 NC 2-1/2 PL8
49	02892100	6	HHCS 3/4 NC X 1 3/4" LG
50	02984002	1	WLDMNT, STOP, SWIVEL
51	651102	1	PIN-DRILLED
52	00755153	2	PIN, COTTER 3/16 X 1-1/2 PL
53	02976448	1	PIN - MACHINED HEAD

BOOM ASSEMBLY (PART 1)

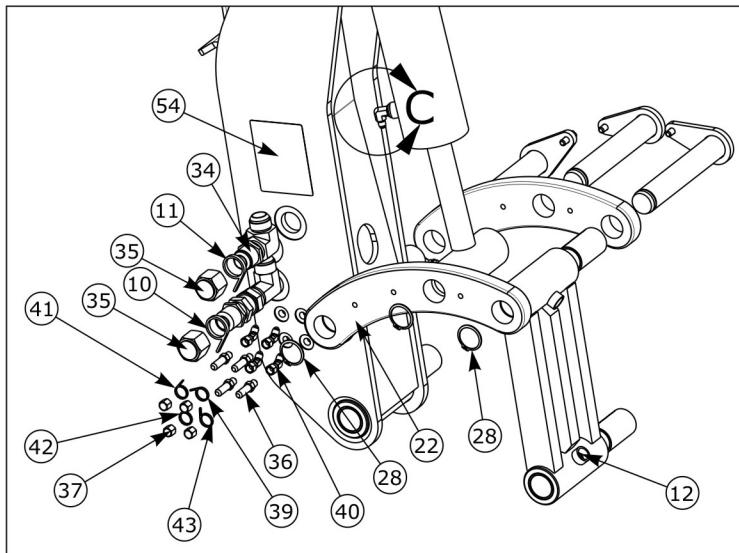
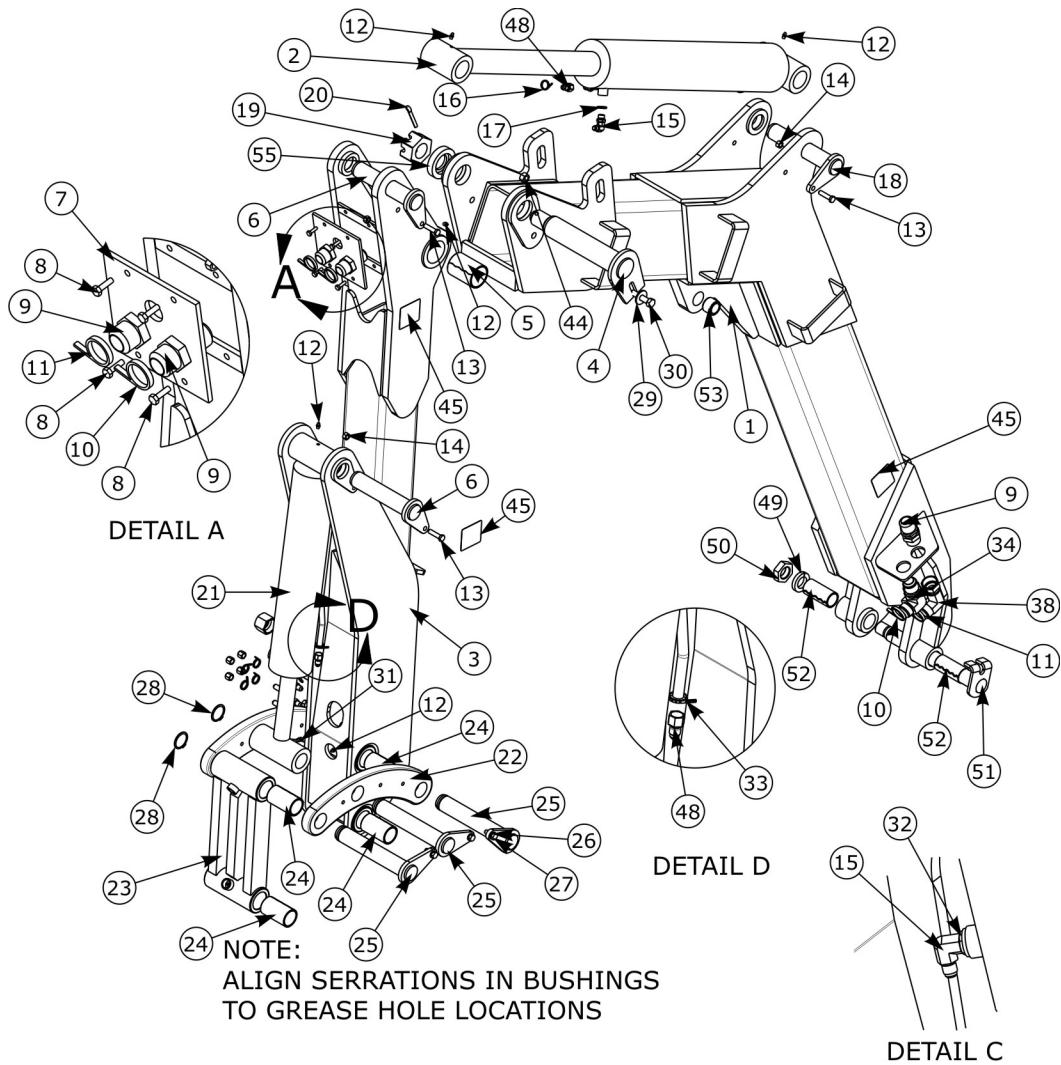


BOOM ASSEMBLY (PART 1)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02990628	1	WLDMNT, LIFT 8X6X1/4 TENN SPEC
2	02981277	1	CYLINDER, 4.0B X 2.25R X 21.5S
3	02990641	1	WELDMENT, 22` DIPPER TENN SPEC
4	02990827	1	WELDMENT, PIN, LIFT/ DIPPER
5	02981420	2	CONNEX BUSHING, 2 1/4 X 2 X 3
6	02982979	2	WELDMENT, CYLINDER PIN, NEW BOOM
7	02985978	1	PLATE, BULKHEAD
8	000860	4	BOLT, HHCS 1/4" X 7/8" LG
9	00751846	4	ADP HYD STGHT 16MJ - 16MJ BULKHEAD
10	02989976	3	TIE, STEEL, RED
11	02989977	3	TIE, STEEL, BLUE
12	00752670	8	GREASE FITTING 1/4-28 BOLT THD
13	00023100	3	HHCS 3/8 X 1-1/2 NC PL GR5
14	00015800	3	LOCKNUT TLM 3/8 NC PLC
15	03200762	2	ADP, HYD 6MB-4MJ 90
16	02968831	1	VINYL TAPE BLUE 1/4" WIDE
17	02968830	1	VINYL TAPE BLUE 1/2" WIDE
18	02982981	1	WELDMENT, CYLINDER PIN LONG, NEW BOOM
19	02981702	1	SLOTTED NUT, 1-1/2 NF
20	165020	1	PIN, COTTER 5/16 X 2-1/2 PL
21	02984944	1	CYLINDER, 3.5B X 1.5R X 16.0S
22	02985222	2	PLATE, LINKAGE
23	02986074	1	WELDMENT, LINKAGE
24	02981424	8	CONNEX BUSHING, 1 3/4 X 1 1/2 X 3
25	02985220	3	WELDMENT, PIN, LINKAGE
26	03101646	3	HIGH ALLOY, L/W 3/8 YZ
27	00011400	3	BOLT, HHCS 3/8 NC 1 PL5
28	00769258	3	RETAINING RING,1.5 SHAFT
29	00002700	1	FLATWASHER, 1/2 PL STD
30	02975436	1	HHCS 1/2 NC X 2 1/4 PL8
31	000941	1	GREASE ZERK 1/4-28 90 BOLT THD
32	02968828	1	VINYL TAPE RED 1/2" WIDE
33	02968829	1	VINYL TAPE RED 1/4" WIDE
34	02742500	2	ADAPTER 16MJ - 16MJ 90 BULKHEAD
35	02956918	2	CAP, 16 FJ
36	02965448	4	ADP, HYD 4MJ -4MJ BULKHEAD
37	02919600	4	CAP, HYD 4FJ
38	02956851	2	ADP HYD ELBOW 16 MJ-16 JX 90
39	02968836	1	VINYL TAPE YELLOW 1/2" WIDE
40	02976532	4	ADP, HYD, 4MJ-4FJX 45
41	02968837	1	VINYL TAPE YELLOW 1/2" WIDE

BOOM ASSEMBLY (PART 2)

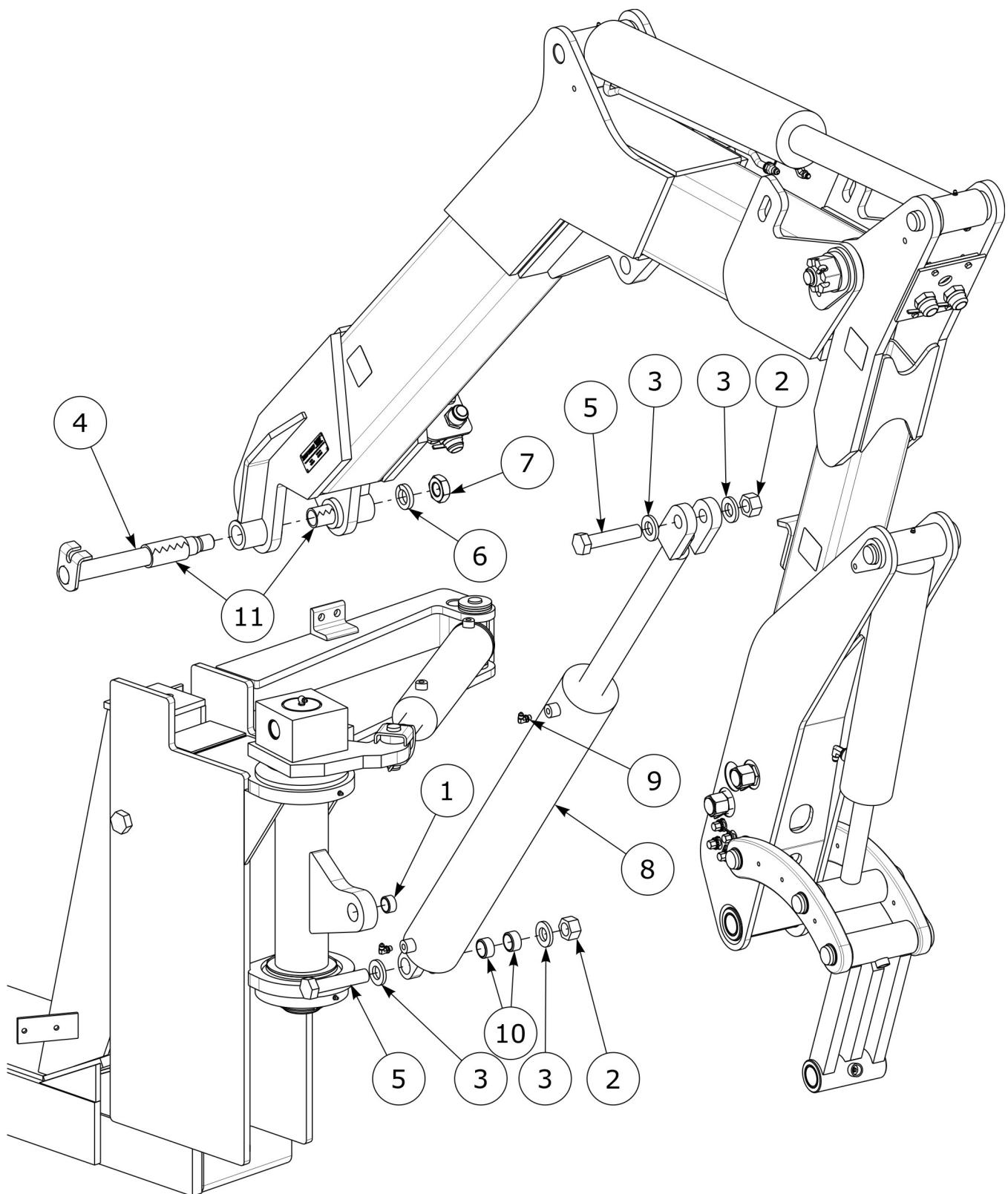


BOOM ASSEMBLY (PART 2)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
42	02968833	1	VINYL TAPE GREEN 1/4" WIDE
43	02968832	1	VINYL TAPE GREEN 1/2" WIDE
44	02977516	1	LOCKNUT TLM 1/2 NC PLB
45	-----	6	-----
48	02981896	2	ADAPTER, HYD, 6FJ-4MJ
49	00748000	1	LOCKWASHER, 1-1/8 HEAVY
50	02921700	1	NUT JAM HEX 1-1/8 NF PL
51	02965538	1	WELDMENT, MAIN PIN
52	02960841	2	CONNEX 1-1/2 X 1-1/4 X 3.125
53	02957501	1	BUSHING 1ID X 1-3/8OD X 1LG
54	-----	1	-----
55	02981273	1	SPACER, PIN, DIPPER, MAVERICK

BOOM MOUNT



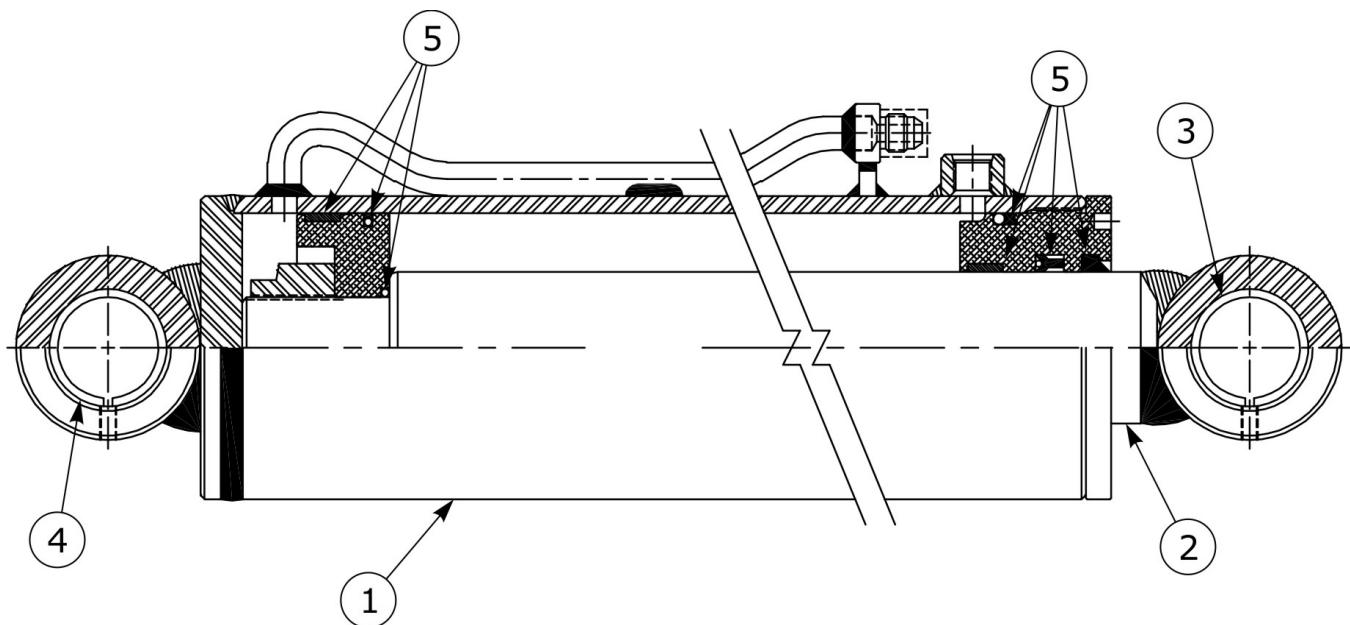
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BOOM MOUNT

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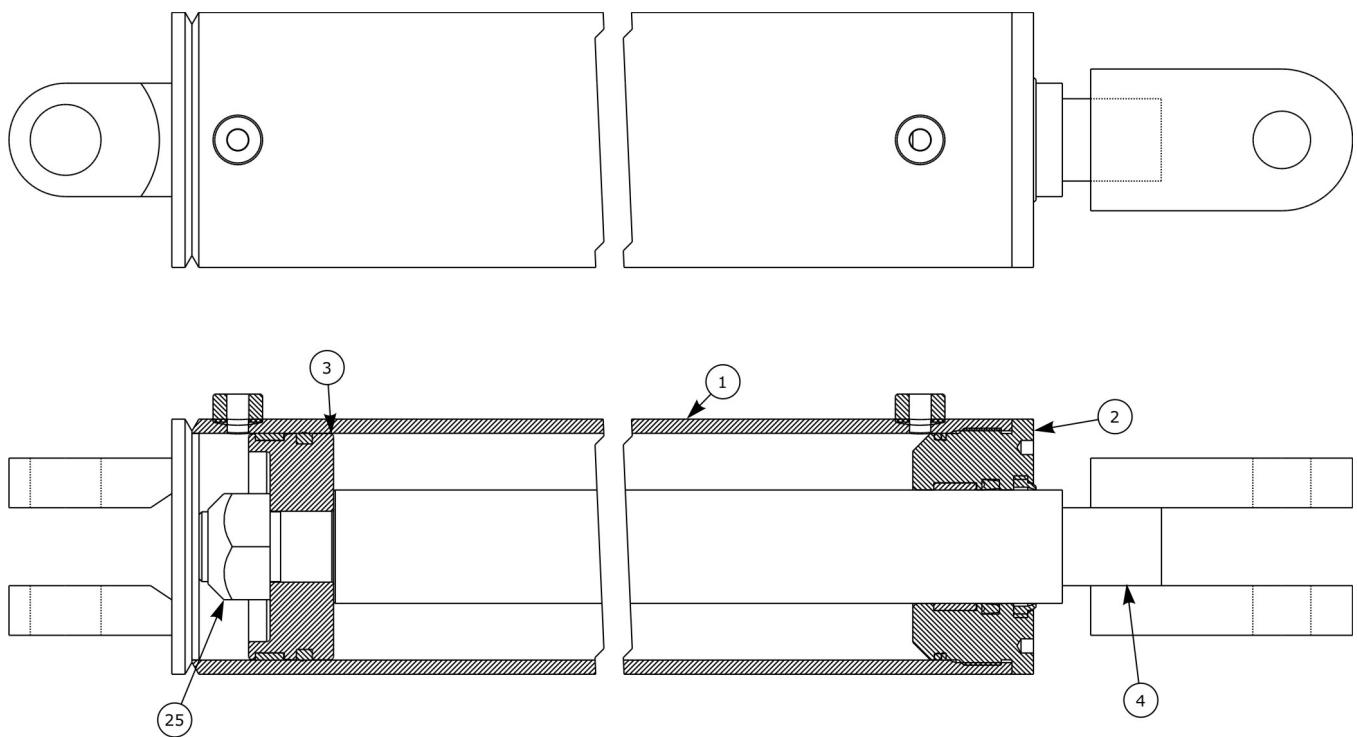
ITEM	PART NO.	QTY.	DESCRIPTION
1	02956821	1	KING PIN WELD & BUSHING
2	02030300	4	NUT TOPLOCK 1 NC PLB
3	00749946	4	WASHER
4	02965538	1	WELDMENT, MAIN PIN
5	00750479	2	HEXB 1 NC 4-3/4 PL5
6	00748000	1	LOCKWASHER 1 1/8 HEAVY
7	02921700	1	NUT JAM HEX 1-1/8 NF PL
8	02961479A	1	HYD CYLINDER 4BORE X 30
9	02960018	2	ADP HYD ELBOW 4MB-4MJ90
10	02959891	2	BSHG CONX 1-1/4X1 X 7/8
11	02960841	2	BEARING 1-1/2X1-1/4X3-1/8 LG

HYD CYL ASY - DIPPER



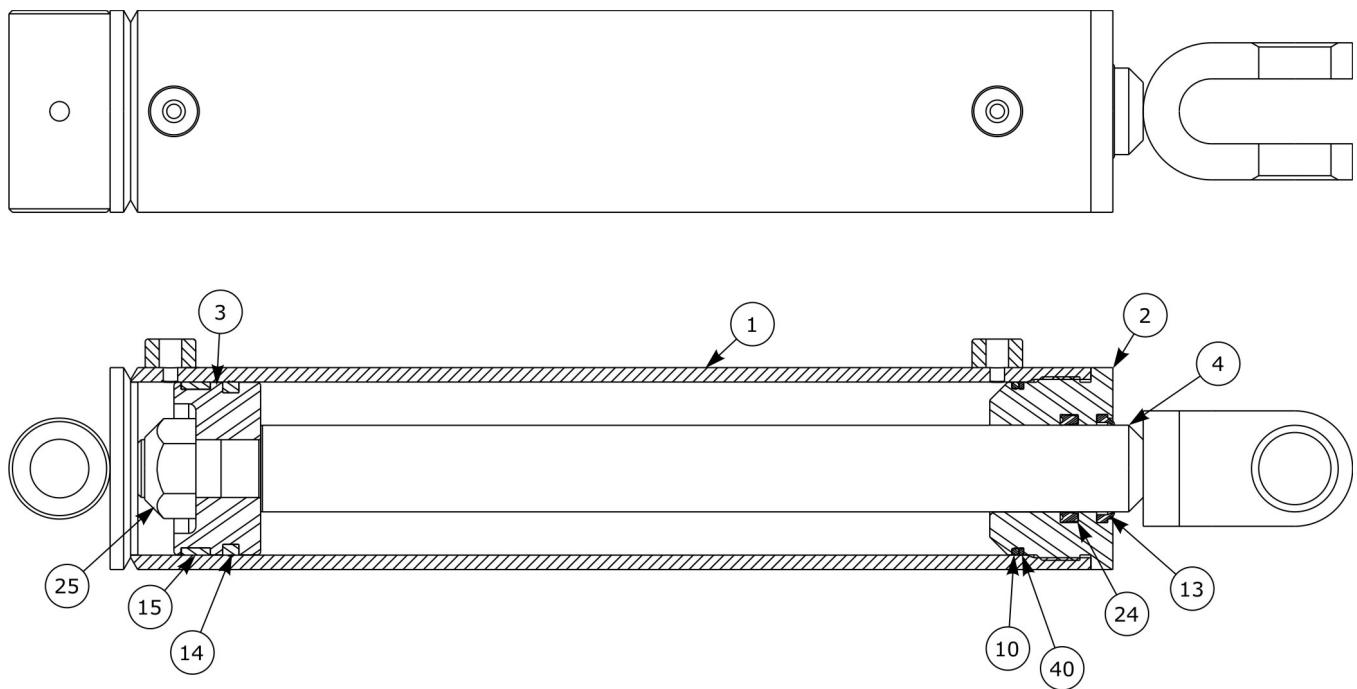
ITEM	PART NO.	QTY.	DESCRIPTION
	02981277	1	HYD CYL ASY, 4" BORE X 21.5" STROKE
1	02981925	1	BARREL WLDMT
2	02981926	1	ROD WLDMT
3	02982250	2	BUSHING, ROD END 1-1/2" LG
4	02982251	2	BUSHING, BARREL END 2" LG
5	02982068	1	SEAL KIT

HYD CYL ASY - LIFT



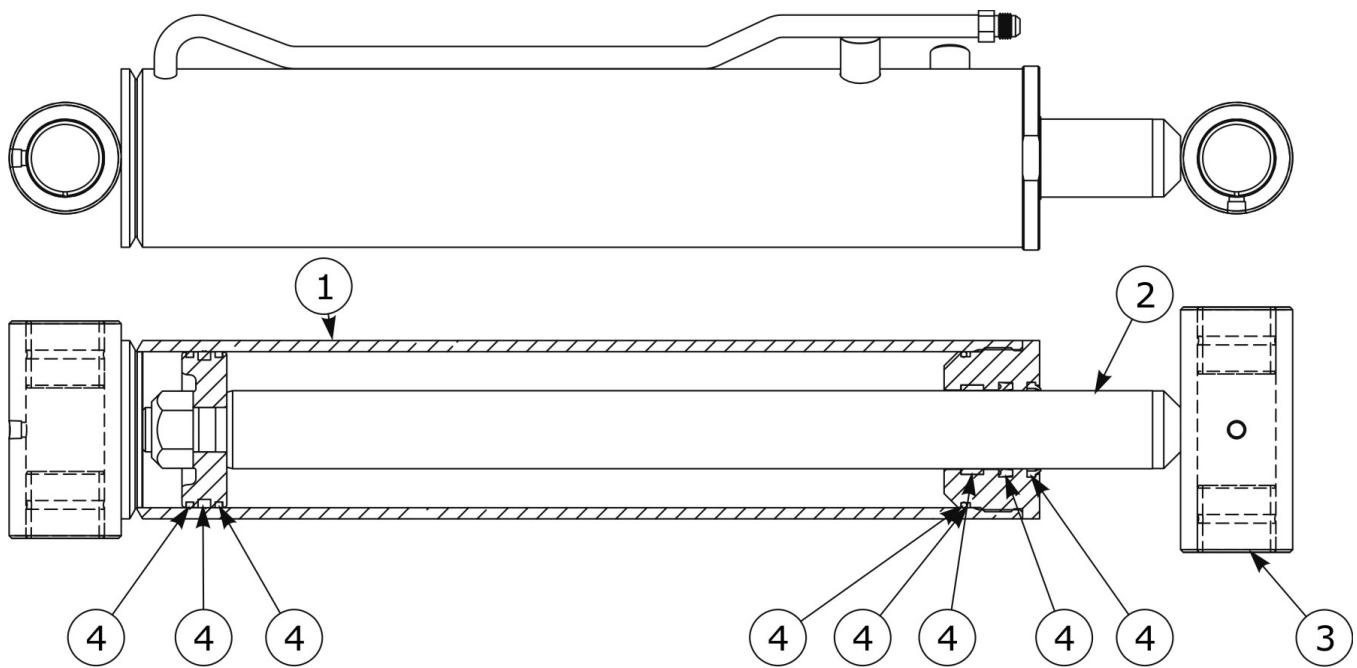
ITEM	PART NO.	QTY.	DESCRIPTION
	02961479A	1	HYD CYLINDER 4BORE X 30STROKE X 2 ROD
1	02976195	1	TUBEWLDMT.4.00-30.00-W
2	02975452	1	CYLHEAD4.00-2.00THDW/R
3	02975457	1	PISTON4.00-1.25-S-WRPSP
4	02976196	1	RODWELDT2.00-30.00-W-S
5	02975453	1	NUTHEX1-1/4-12UNFLOCKGRB
	02975527	1	SEALKIT

HYD CYL ASY - SWING



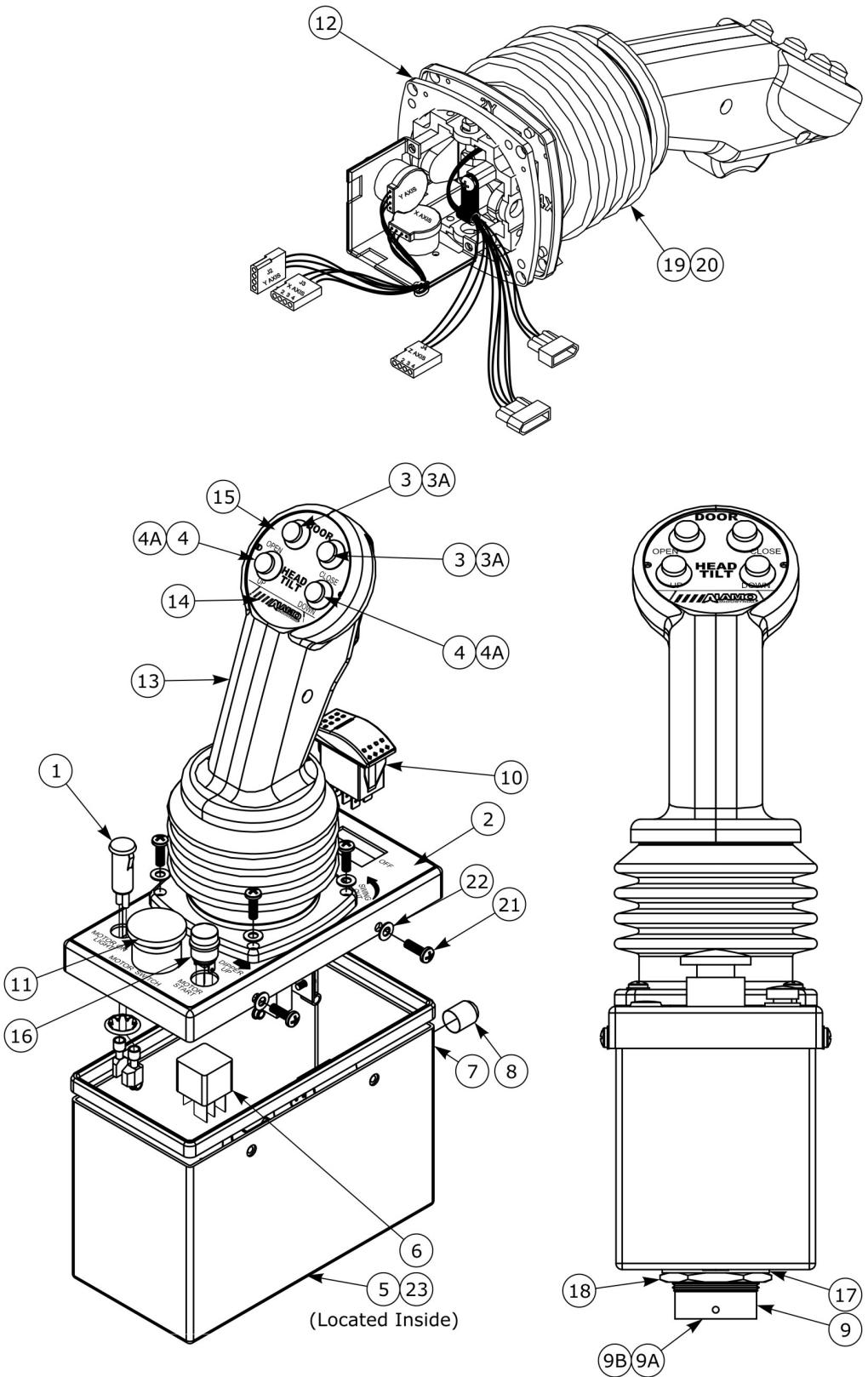
ITEM	PART NO.	QTY.	DESCRIPTION
	02961476B	1	HYD CYLINDER 3BORE X 12-5/8
1	02975619	1	TUBE WLDMT. 3.00-12.62-W
2	02975450	1	CYL HEAD 3.00-1.50-THD
3	02975454	1	PISTON 3.00-1.00-S-WR PSP
4	02975620	1	ROD WELDT 1.50-12.62-W
5	5JRC16140	1	NUT HEX 1-14 LOCK GRB
	02975530	1	SEAL KIT

HYD CYL ASY - TILT



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

JOYSTICK CONSOLE ASY



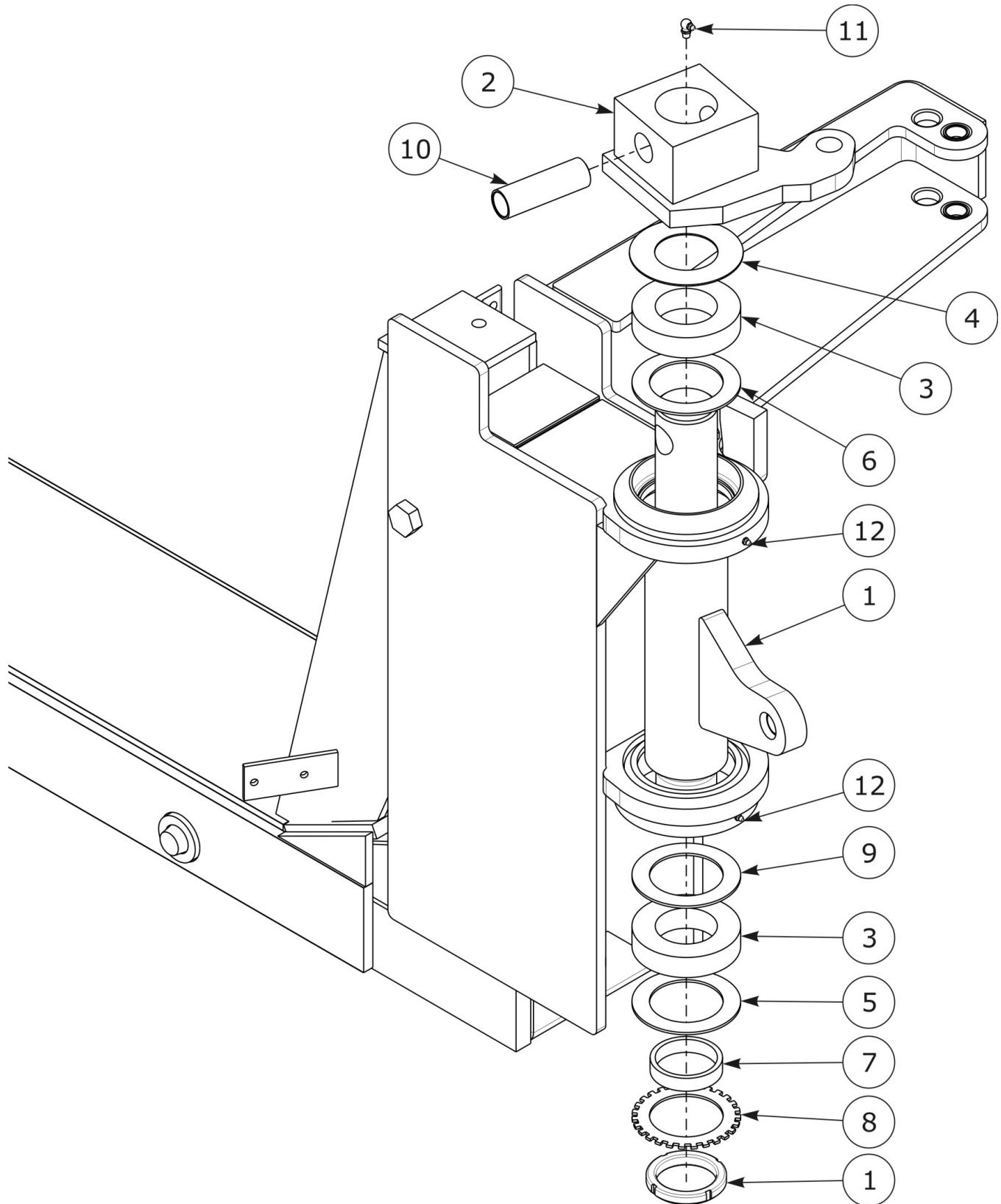
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JOYSTICK CONSOLE ASY

Continued...

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

KING PIN ASSEMBLY



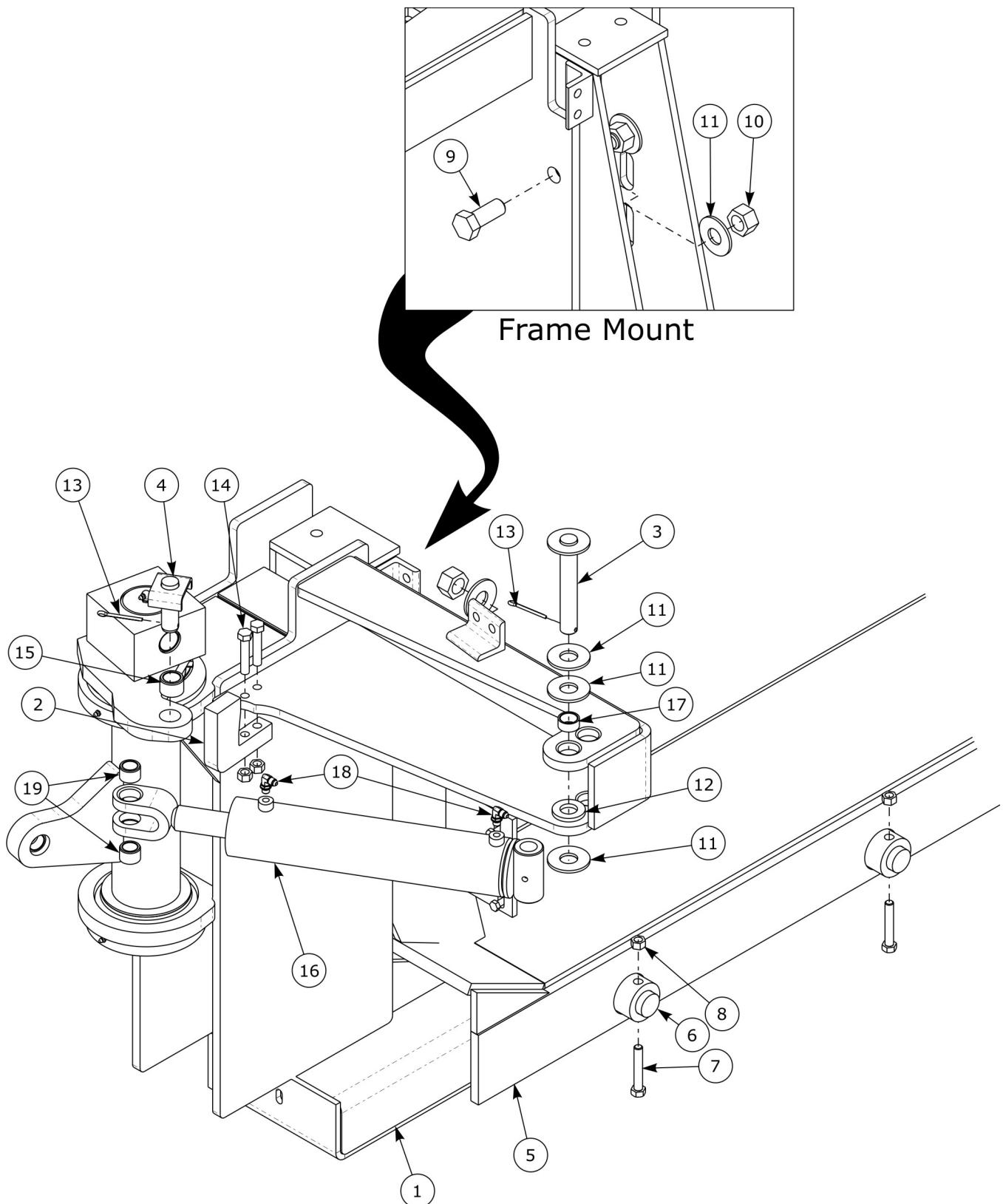
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KING PIN ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02956821	1	KING PIN WELD & BUSHING
2	02967171	1	WLDMT,REAR TURN
3	02957008	2	CUP AND CONE ASSEMBLY
4	02956941	1	RING, TOP BEARING SEAL
5	02956837	1	GREASE SEAL
6	02956836	1	GREASE SEAL
7	02956818	1	BEARING SUPPORT COLLAR
8	02956838	1	LOCKWASHER, BEARING-3ID
9	02956882	1	RING, BOTTOM BEARING SEAL
10	02958345	1	BUSHING 1-1/2X1-1/4X4-13/16LG
11	00752176	1	GREASE FTG,1/8MP 90DEG
12	00752670	2	GREASE ZERK, STRAIGHT 1/4-28NF

MOUNT ASSEMBLY

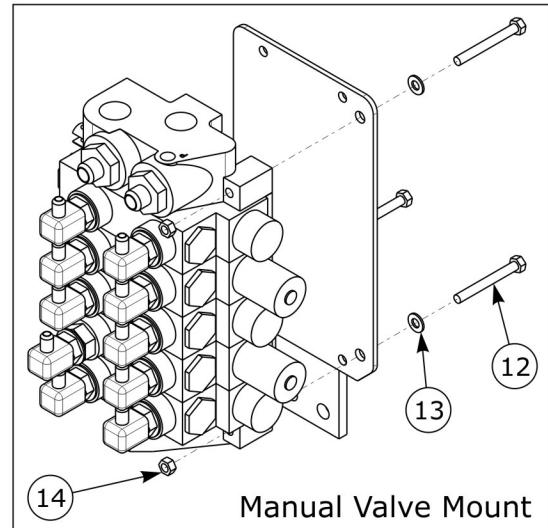
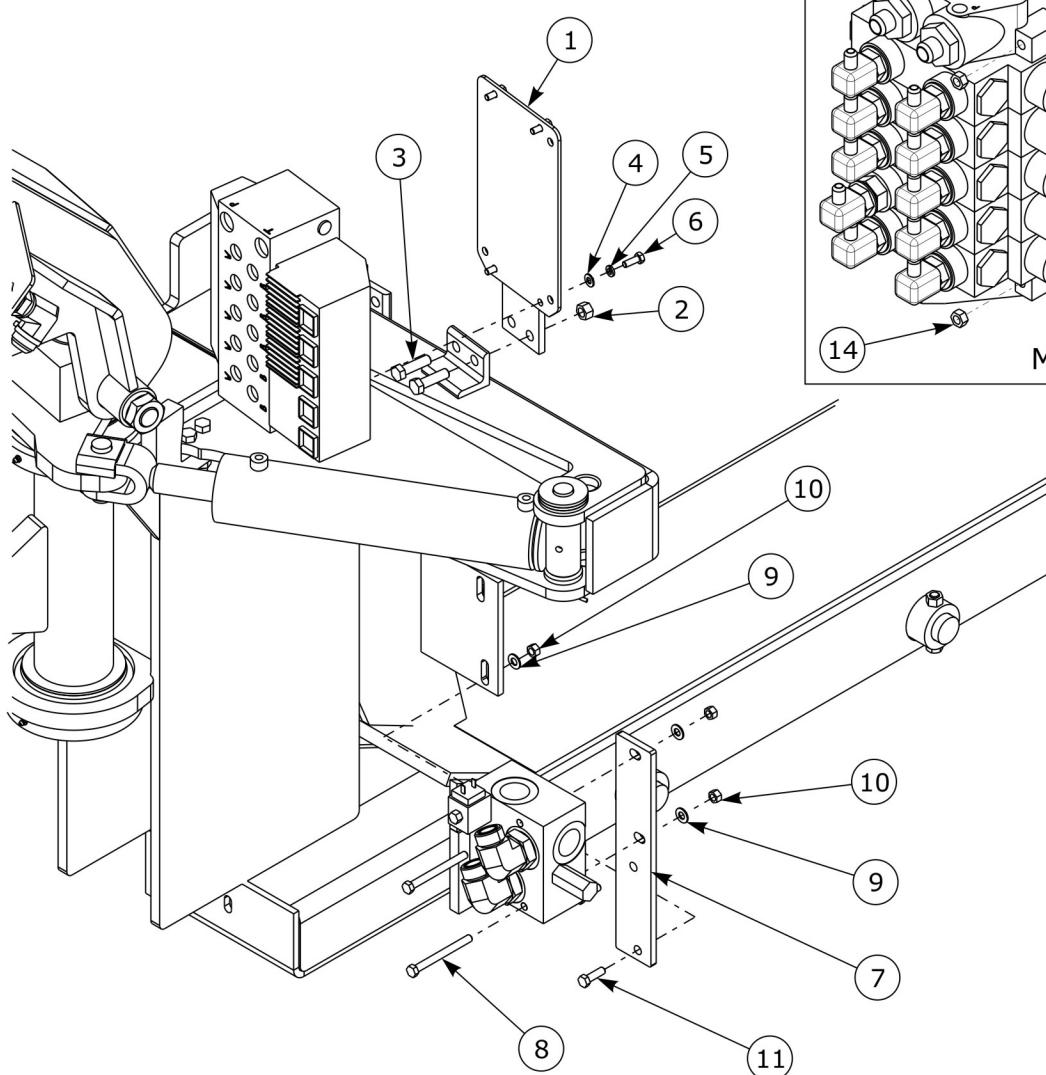


MOUNT ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02963716	1	WELDMT-VERSA INSERTSPECIAL
2	02959746	1	SWING STOP
3	02930100	1	WDMT,PIN, DEAD END CYLINDER
4	02966767	1	PIN WLDMDT,SWG CYL
5	02887200	1	WLDMDT,VERSA FRAME
6	02880700	2	PIN-EXTENSION ARM
7	00753013	2	HHCS 1/2-13 X 3" PL8
8	00001800	6	LOCKNUT TLM 1/2 NC PLC
9	10546100	2	HHCS 1 NC 2-1/2 PL8
10	02030300	4	NUT TOPLOCK 1 NC PLB
11	02822500	5	FLATWASHER 1 PL STD
12	00749946	1	WASHER
13	00606000	2	PIN,COTTER 3/16X2
14	02788400	2	HEXB 1/2 NC 2-1/2PL5
15	02957501	1	BUSHING 1ID X 1-3/8OD X 1LG
16	02961778	1	SWING CYLINDER ASSY-BOOMS
17	02959890	2	BSH CONX 1-1/4X1 X 5/8
18	02960018	2	ADP HYD ELBOW 4MB-4MJ90
19	02965214	2	BEARING-TEFLON IMPREG

VALVE AND MOTOR CONTROL MOUNT

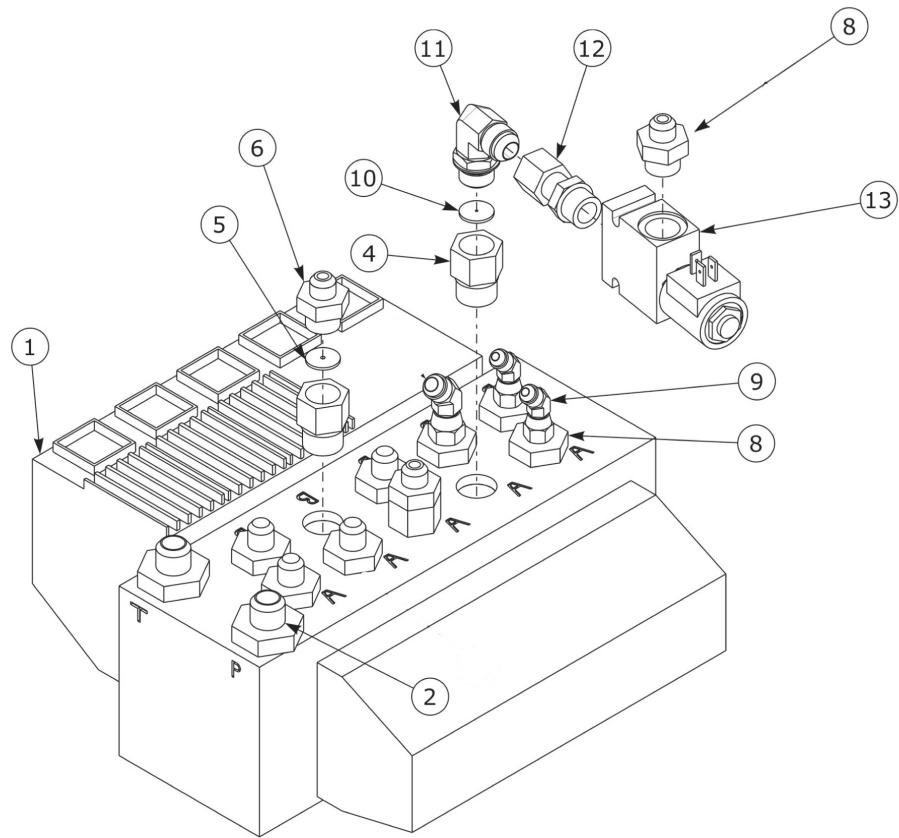


VALVE AND MOTOR CONTROL MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	02990690	1	WLDMT,MOUNT, VALVE V20 & PVG32
2	00001800	6	LOCKNUT TLM 1/2 NC PLC
3	02891800	2	HHCS 1/2 NC 1-3/4 PL8
4	00023500	4	FLATWASHER 5/16 PL
5	00011700	4	HIGH ALLOY, L/W 5/16 YZ KG
6	00035900	4	BOLT, HEX HD 5/16-NC X 3/4 GR5
7	02986707	1	BRACKET, CUTTER VALVE
8	10204000	2	HHCS 3/8 NC 4 PL5
9	00011100	4	FLATWASHER STD 3/8
10	00015800	4	LOCKNUT TLM 3/8-NC PLC
11	00753642	2	HEXB 3/8 NC X 1-1/4 PL5
12	02044900	3	HHCS 5/16NC 2-3/4 PL5
13	00023500	3	FLATWASHER 5/16 PL
14	00750940	3	LOCKNUT TLM 5/16 NC PLB

VALVE ASSEMBLY (ELECTRIC)



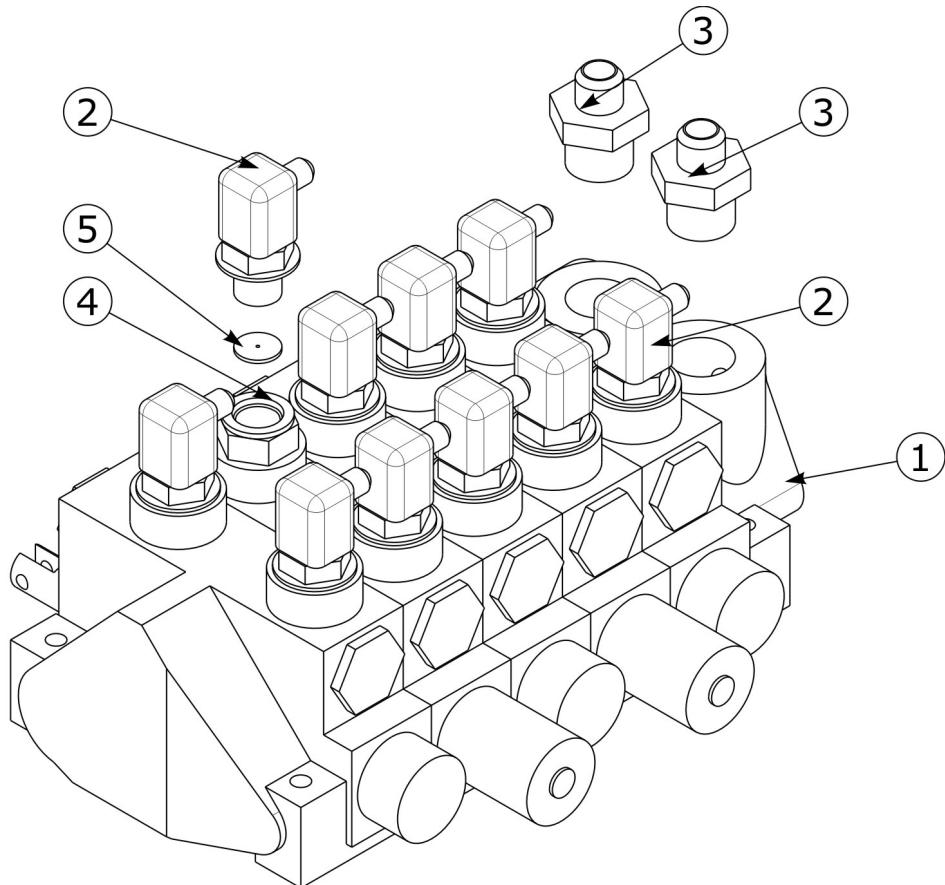
02990670P - VERSA (TN) (04-11)_02-14

VALVE ASSEMBLY (ELECTRIC)

Continued...

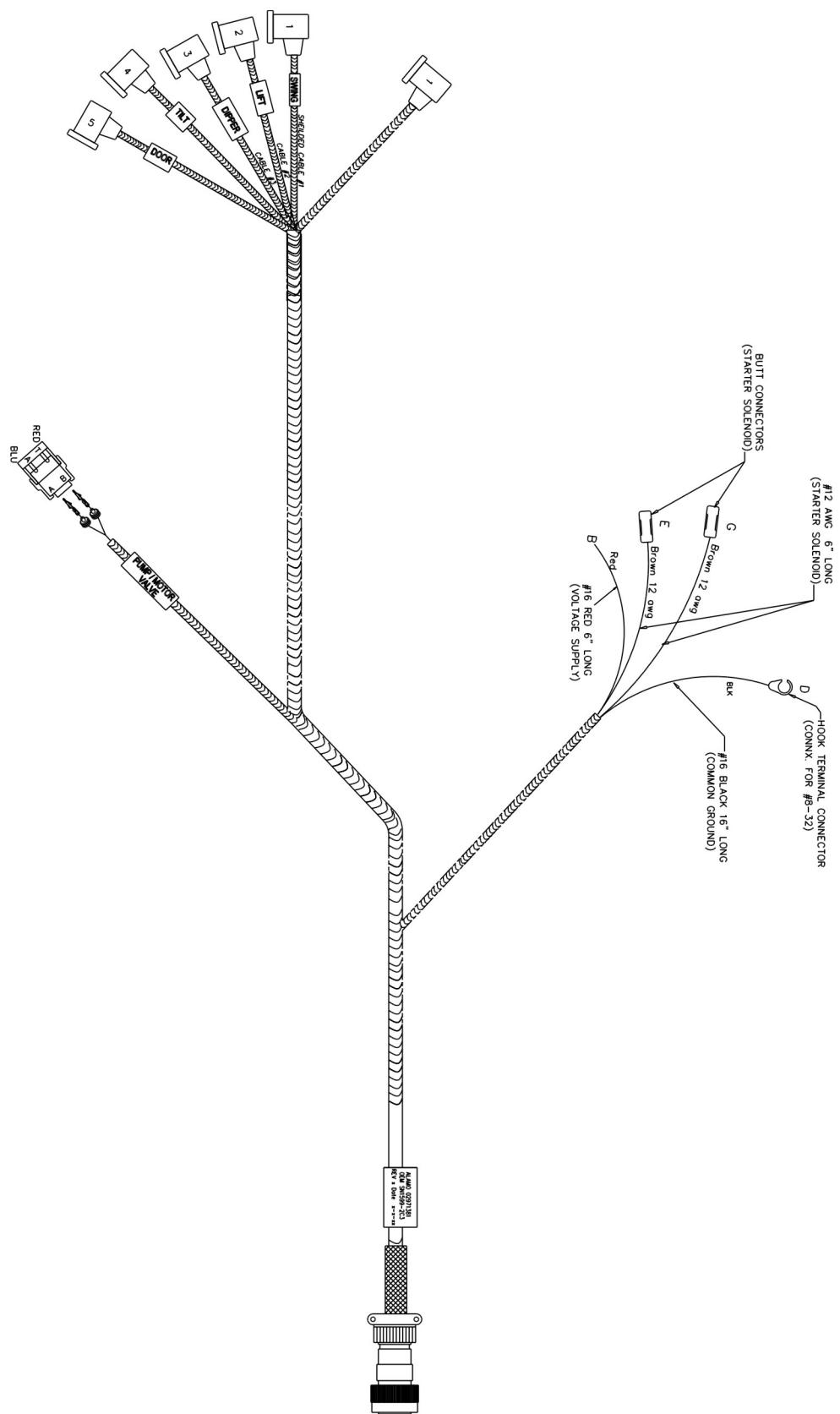
ITEM	PART NO.	QTY.	DESCRIPTION
1	02971379	1	VALVE, ASY, O-CTR 5 SPL
2	63042700	2	ADP HYD STGHT 12MB-8MJ
4	02972113	3	ADP HYD STGHT 10MB - 8FB
5	02988583	2	ORIFICE, .094 RSTRCTR 8ORB
6	02822300	3	ADP HYD STGHT 8MB-8MJ
8	02972179	7	ADP HYD STGHT 10MB - 4MJ
9	02976532	3	ADP HYD ELBOW 4MJ - 4FJX 45DEG
10	02969398	1	ORIFICE, .055 ONE-WAY RESTRCTR
11	02962213	1	ADP HYD ELBOW 8MB - 8MJ 90
12	02975438	1	ADP HYD STGHT 8MB - 8FJX
13	02972208A	1	ASY 2-WAY NC SOLENOID VALVE

VALVE ASSEMBLY (MANUAL)



ITEM	PART NO.	QTY.	DESCRIPTION
	02990668	1	ASSEMBLY 5-SPOOL V20
1	02987538	1	VALVE DIR CTRL 5-SPOOL
2	02962249	10	ADP, HYD ELBOW 8MB - 4MJ 90
3	63042700	2	ADP, HYD ST 12MB - 8MJ
4	02972159	1	ADP HYD STGHT 8FB-8MB
5	02969398	1	ORIFICE, .055 RESTRICTOR

WIRE HARNESS (ELECT-HYD VALVE)



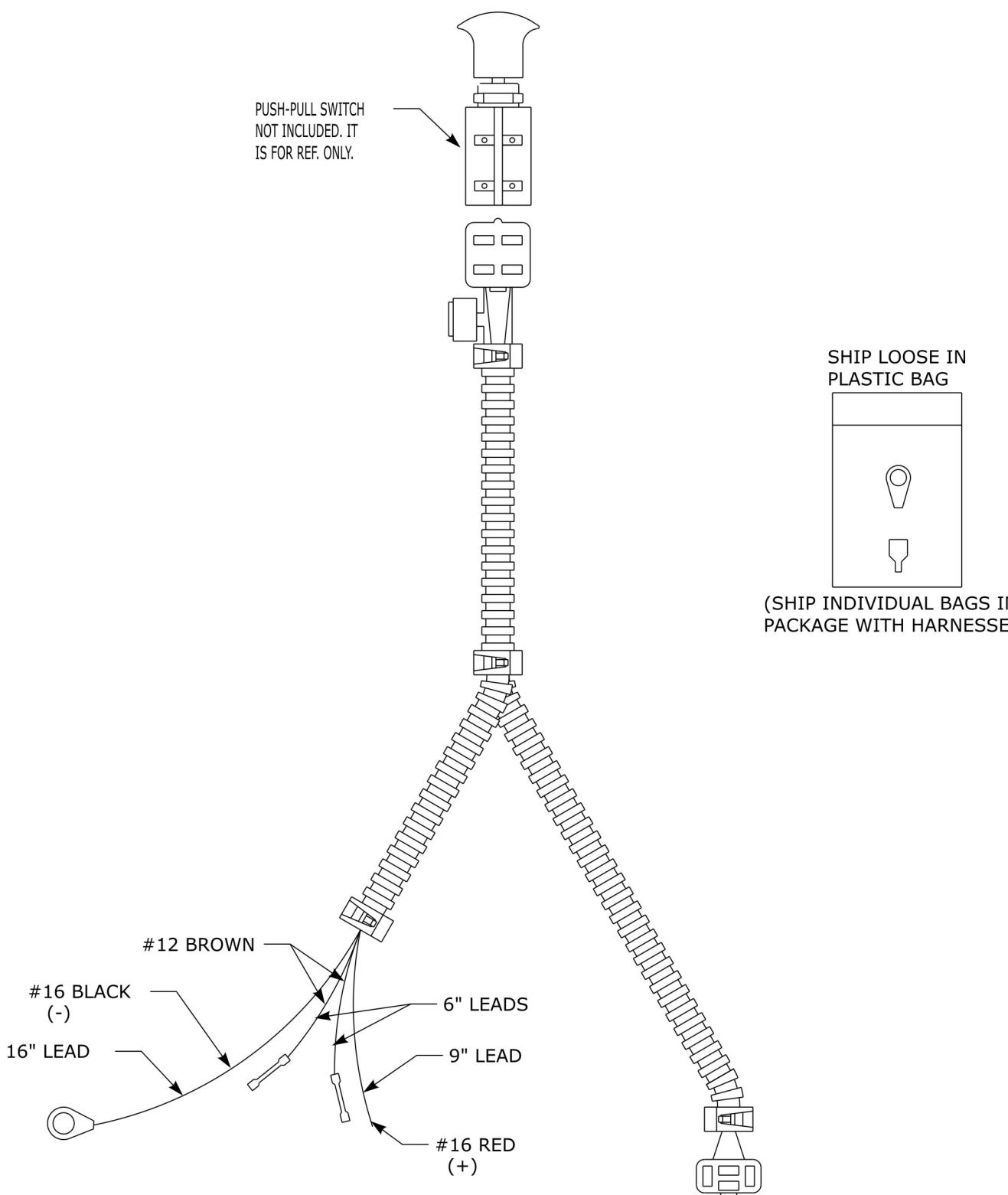
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WIRE HARNESS (ELECT-HYD VALVE)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	02971381	1	WIRE HARNESS

WIRE HARNESS (MANUAL-SOLENOID CUTTER)



WIRE HARNESS (MANUAL-SOLENOID CUTTER)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
02958203		1	WIRE HARNESS KIT, SOLENOID

PACKING BOX - ELECTRIC

ITEM	PART NO.	QTY.	DESCRIPTION
	02990691	1	PACKING BOX, VB ELECTRO-HYD
1	00011100	2	FLATWASHER STD 3/8
2	00011400	2	HEXB 3/8 NC 1 PL5
3	00037200	1	NUT 3/4-NC TOPLOCK GRC PL
4	00752405	1	HHCS 3/4 NC 5-1/2 PL8
5	02761100	2	ADP HYD ELBOW 8MJ-8FJX90
6	02775500	10	PLASTIC TIE 21 LG.
7	02961085	1	CORDURA SLEEVING,3.66 ID,54 LG
8	02961290	1	BOOM STOP
9	02961291	1	DRAWING, INSTALL, BOOM STOP
10	02990694	2	HOSE #16-16FJX-16FJX90-62LG
11	02961349	1	DWG INST CUTTER VALVE ART ARM
12	02963524	1	DECAL:ATTENTION-BOOM SWINGING
13	02964677	1	DECAL,BOOM REST
14	02971381	1	WIRE HARNESS
15	02972115	1	ADAPTER, WIRE HARNESS
16	02975806	1	DWG HOSE CONNECTION FOR
17	02976857	1	INSERT, ELECTRO-HYD CONVERSION
18	02976858	1	DECAL,HOSE CONNECTION
19	63118700	10	3/16X 7 PLASTIC TIE WRAP
20	02981681	1	DECAL, PUSHBUTTON OPERATION
21	02987829	1	ASY JSTK CONSOLE DANFOSS VALVE
22	00012101	2	LOCKWASHER, 3/8, HVY, PL
23	02959010	1	PAMPHLET SAFETY MOUNTING
24	00763977	1	DECAL,IMPORTANT-NOTICE TO OWNR
25	01164200	1	TERMINAL, BULLET 12-10 GA.
26	02891800	4	HHCS 1/2 NC 1-3/4 PL8
27	02958206	1	QUICK-SPLICE 18-14 TO 18-14GA
28	02961001	1	FILTER ELEMENT
29	02965093	1	DECAL-PROPER ENGINE OPERATING
30	02967827	1	DECAL, MULTI-HAZARD
31	02958241	1	DECAL-TRACTOR OPERATOR SAFETY
32	00769394	1	DECAL,ALAMO LOGO
33	02962765	1	DECAL-MULTIPLE HAZARD
34	03200285	1	DECAL-WATCH YOUR STEP
35	00725746	1	DECAL, PELIGRO
36	002508	1	DECAL,ALAMO LOGO (SQUARE)
37	002369	1	DECAL,DANGER-MULTI HAZARD
38	02990670A	1	ASY, MANUAL VERSA OPS & PARTS
39	63096300	1	PAINT-SPRAY CAN YELLOW
40	02753400	4	PLASTIC TIE 15 LG UV BLACK
41	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
42	02990906	1	KIT, SWIVEL VB ELEC.

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PACKING BOX - ELECTRIC

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
43	02968894	2	VINYL TAPE RED 1/2" WIDE
44	02968895	2	VINYL TAPE BLUE 1/2" WIDE

PACKING BOX - MANUAL

ITEM	PART NO.	QTY.	DESCRIPTION
	02990669	1	PACKING BOX, VB MANUAL
1	00011400	2	HEXB 3/8 NC 1 PL5
2	00015800	2	LOCKNUT TLM 3/8-NC PLC
3	00037200	1	NUT 3/4-NC TOPLOCK GRC PL
4	00752405	1	HHCS 3/4 NC 5-1/2 PL8
5	02761100	2	ADP HYD ELBOW 8MJ-8FJX90
6	02775500	10	PLASTIC TIE 21 LG.
7	02958203	1	WIRE HARNESS KIT, SOLENOID
8	02961085	1	CORDURA SLEEVING,3.66 ID,54 LG
9	02961290	1	BOOM STOP
10	02961291	1	DRAWING, INSTALL, BOOM STOP
11	02990694	2	HOSE #16-16FJX-16FJX90-62LG
12	02961349	1	DWG INST CUTTER VALVE ART ARM
13	02964028	1	SWITCH PUSH-PULL SPDT 10A@12V
14	02971274	5	KIT,CABLE CONNECTION-V20 VALVE
15	63118700	10	3/16X 7 PLASTIC TIE WRAP
16	02959010	1	PAMPHLET SAFETY MOUNTING
17	02971191	1	WELDMENT,SWITCH MOUNT
18	00763977	1	DECAL,IMPORTANT-NOTICE TO OWNRR
19	01164200	1	TERMINAL, BULLET 12-10 GA.
20	02891800	4	HHCS 1/2 NC 1-3/4 PL8
21	02958206	1	QUICK-SPLICE 18-14 TO 18-14GA
22	02961001	1	FILTER ELEMENT
23	02965093	1	DECAL-PROPER ENGINE OPERATING
24	02967827	1	DECAL, MULTI-HAZARD
25	02958241	1	DECAL-TRACTOR OPERATOR SAFETY
26	00769394	1	DECAL,ALAMO LOGO
27	02962765	1	DECAL-MULTIPLE HAZARD
28	03200285	1	DECAL-WATCH YOUR STEP
29	00725746	1	DECAL, PELIGRO
30	002508	1	DECAL,ALAMO LOGO (SQUARE)
31	002369	1	DECAL,DANGER-MULTI HAZARD
32	63096300	1	PAINT-SPRAY CAN YELLOW
33	02753400	4	PLASTIC TIE 15 LG UV BLACK
34	02962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
35	02990670A	1	ASY, MANUAL VERSA OPS & PARTS
36	02981810	5	LEVER SHORT SNGL AXIS CONTROL
37	02990905	1	KIT, SWIVEL VB MAN.
38	02968894	2	VINYL TAPE RED 1/2" WIDE
39	02991249	2	VINYL TAPE GREEN 1/2" WIDE



TO THE OWNER/OPERATOR/DEALER

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

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

REQUIRED OF THE OWNER

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

REQUIRED OF THE OPERATOR

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



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



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



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

ALAMO INDUSTRIAL

Limited Warranty

1. Limited Warranties

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

2. Remedies And Procedures

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

3. Limitation Of Liability

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

4. Miscellaneous

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

Keep for your records

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

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

Attention:

Read your operator's manual



ALAMO INDUSTRIAL

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



BUILT SHARPER®

An Alamo Group Company

1502 E. Walnut St.
Seguin, Texas 78155



Sales and Marketing

Tel 800.882.5762 Fax 830.379.0864
support@alamo-industrial.com

Warranty Registration/Claims

www.alamoparts.com

Return Authorizations

Online Part Orders
Technical Information
www.alamoparts.com

Tel 800.356.6286 Fax 800.322.5141
www.alamo-industrial.com

