

Manitowoc Crane Group MACHINE COMPONENT INDEX

Date: Aug 18, 2004

Rev: 000

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Manitowoc Crane Group **MACHINE COMPONENT INDEX**

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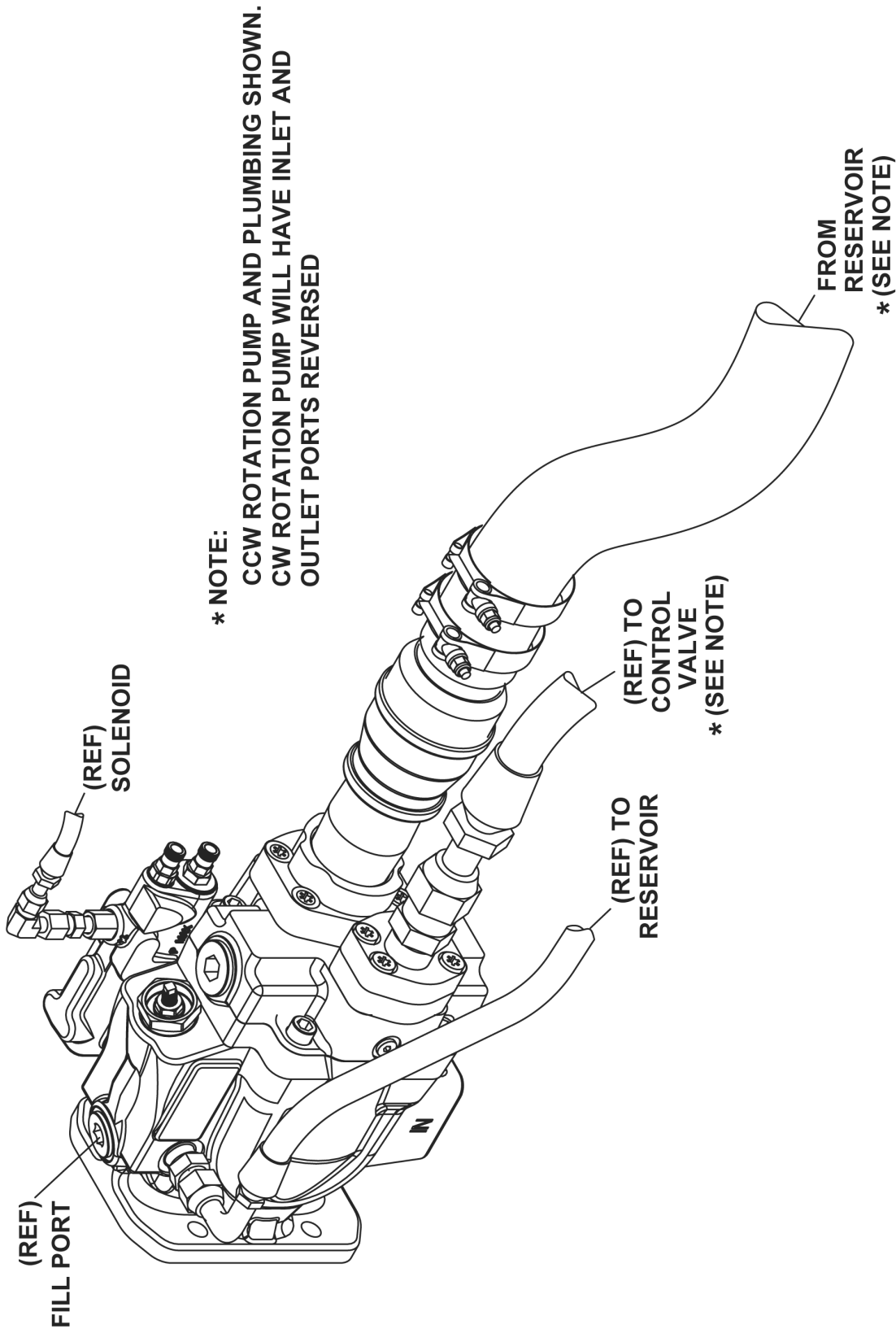
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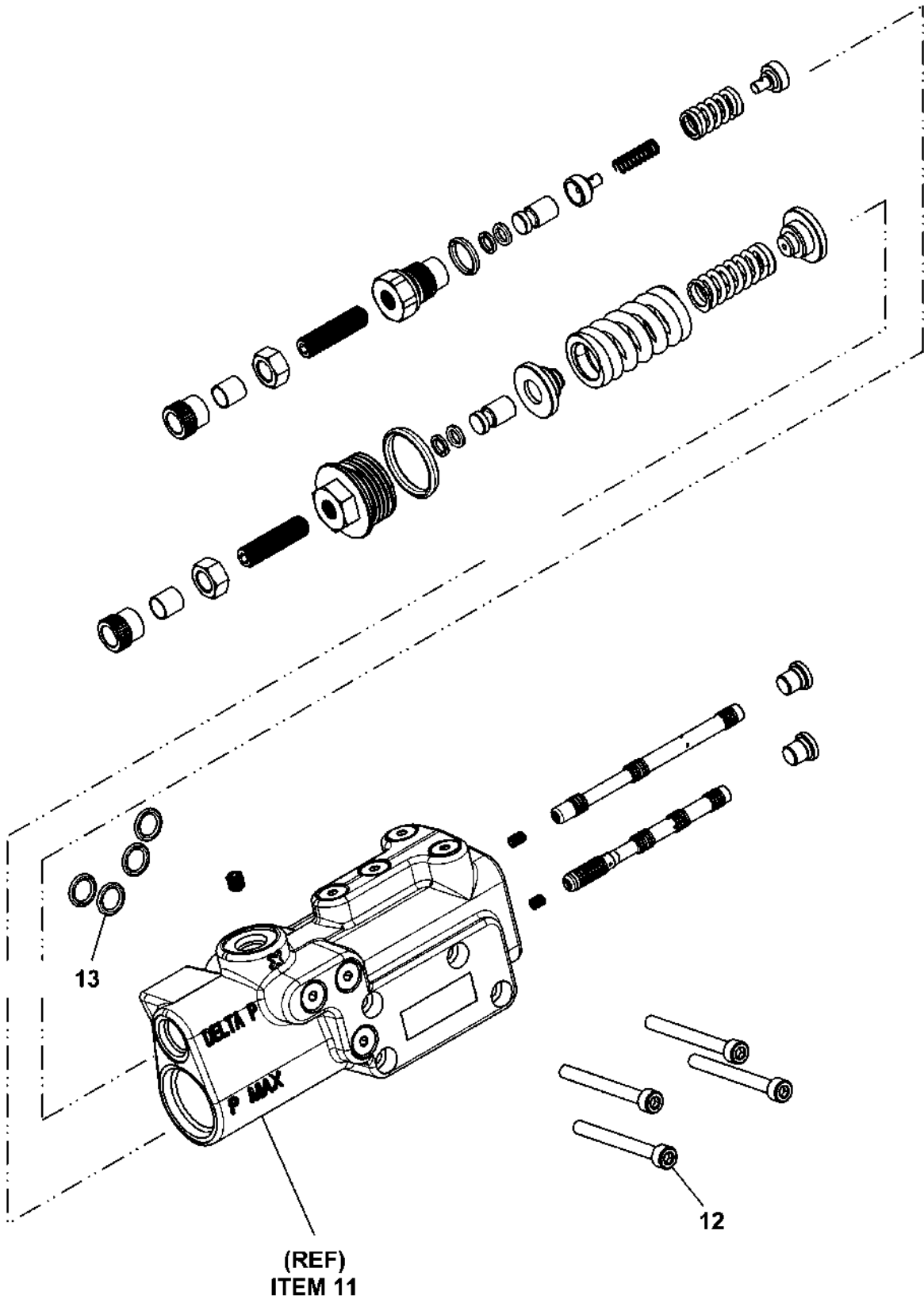
Manitowoc Crane Group

Notes

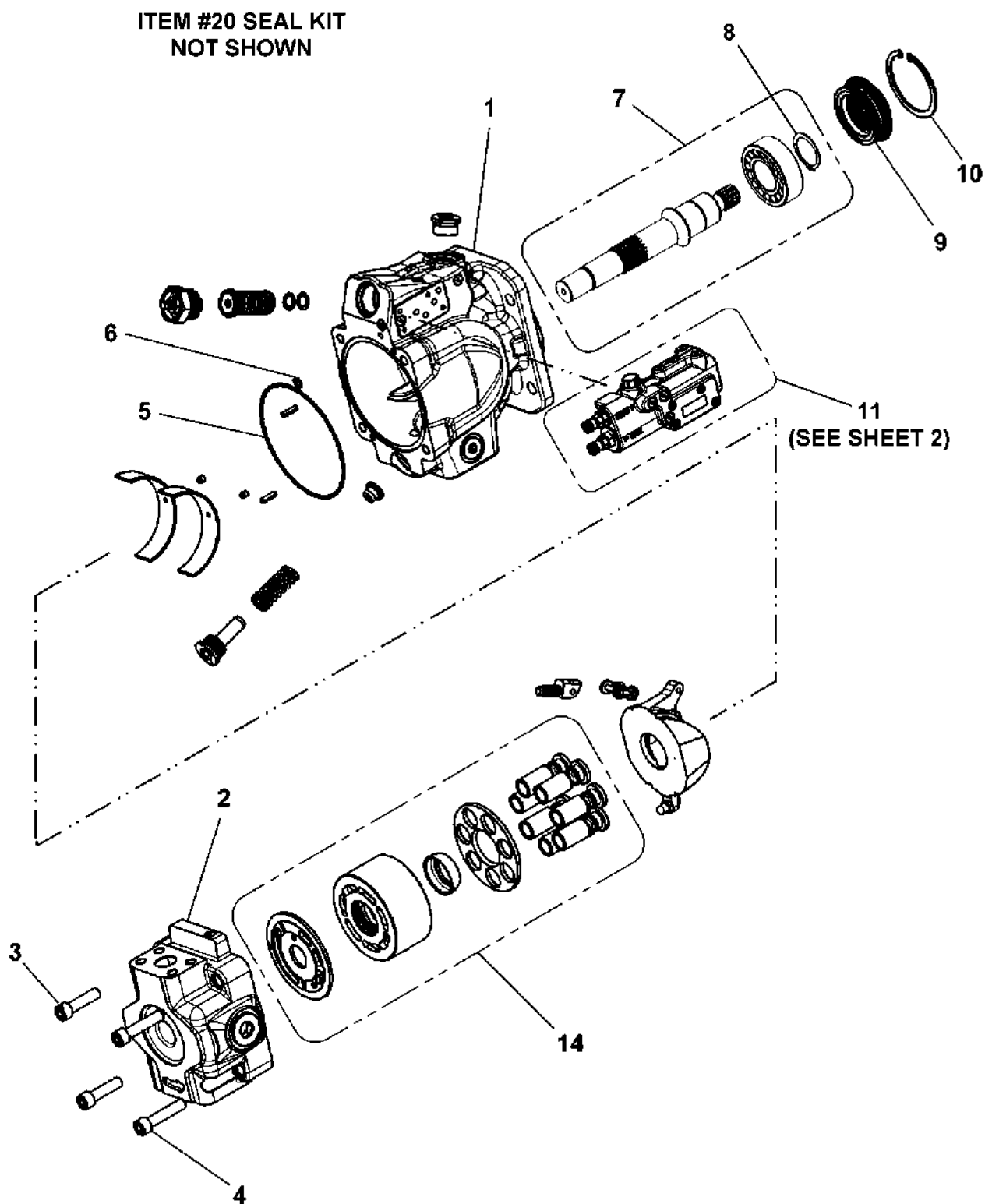
PUMP ASSEMBLY REFERENCE



Manitowoc Crane Group



Manitowoc Crane Group



Manitowoc Crane Group

Description

PUMP ASSEMBLY - PISTON COMPLETE ASSEMBLY

Assembly No.

911021

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOUSING, PUMP
2		NSS	1	HOUSING, END COVER
3		9722105362	2	CAPSCREW
4		9722105363	2	CAPSCREW
5		9722105372	1	O-RING
6		7755012002	1	O-RING
7		9722105366	1	KIT, SHAFT ASSY. INCLUDES BEARING AND SNAP RING ITEM 8
8		9722105371	1	RING, SNAP
9		9722105368	1	SEAL ASSY. SHAFT
10		9722105370	1	RING, SNAP
11		9722105365	1	KIT, COMPENSATOR INCLUDES ITEMS 12 AND 13
12		9722105364	4	CAPSCREW
13		7755012002	4	O-RING
14		9722105367	1	KIT, ROTATING GROUP
20		9722105369	1	KIT, SEAL SEAL KIT FOR COMPLETE PUMP ASSEMBLY

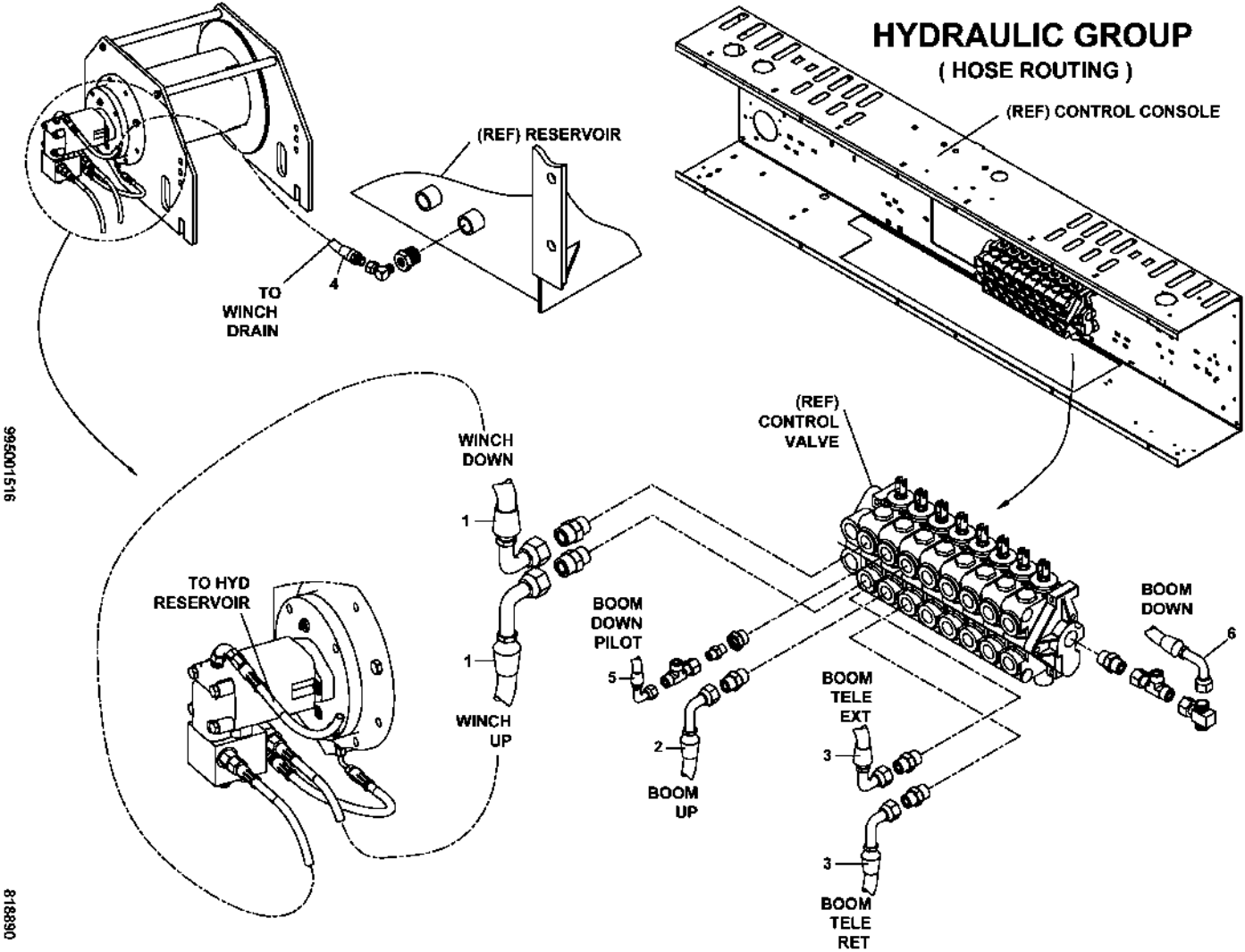
Manitowoc Crane Group

Notes

Manitowoc Crane Group

Description HOSE GRP 500E				Assembly No. 995001516 Revision: A
Item	FN	Part	Qty	Description
20		818891	1	HOSE ROUTING

Manitowoc Crane Group



Manitowoc Crane Group

Description
HOSE ROUTING

Assembly No.
818891
Revision: #

Item	FN	Part	Qty	Description
1		7555512661	2	HOSE ASSY
2		7555308561	1	HOSE ASSEMBLY 1/2" X 85"LONG
3		7555311661	2	HOSE ASSY
4		7545120210	1	HOSE ASSY
5		7555107821	1	HOSE ASSY
6		7555309421	1	HOSE 1/2" I.D. X 94"

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Notes

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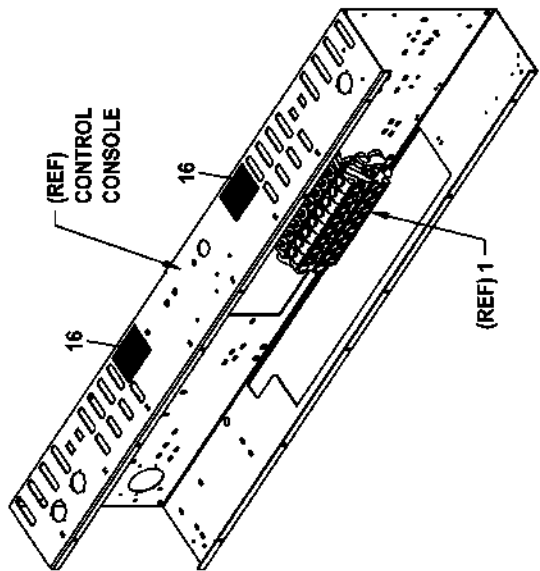
Description				Assembly No.
FRAME PLUMBING GROUP 500E				995001519
				Revision: A
Item	FN	Part	Qty	Description
20		818887	1	FRAME PLUMBING
40	+	975199	1	VALVE ASSEMBLY - CONTROL

+ SEE FURTHER BREAKDOWN THIS GROUP

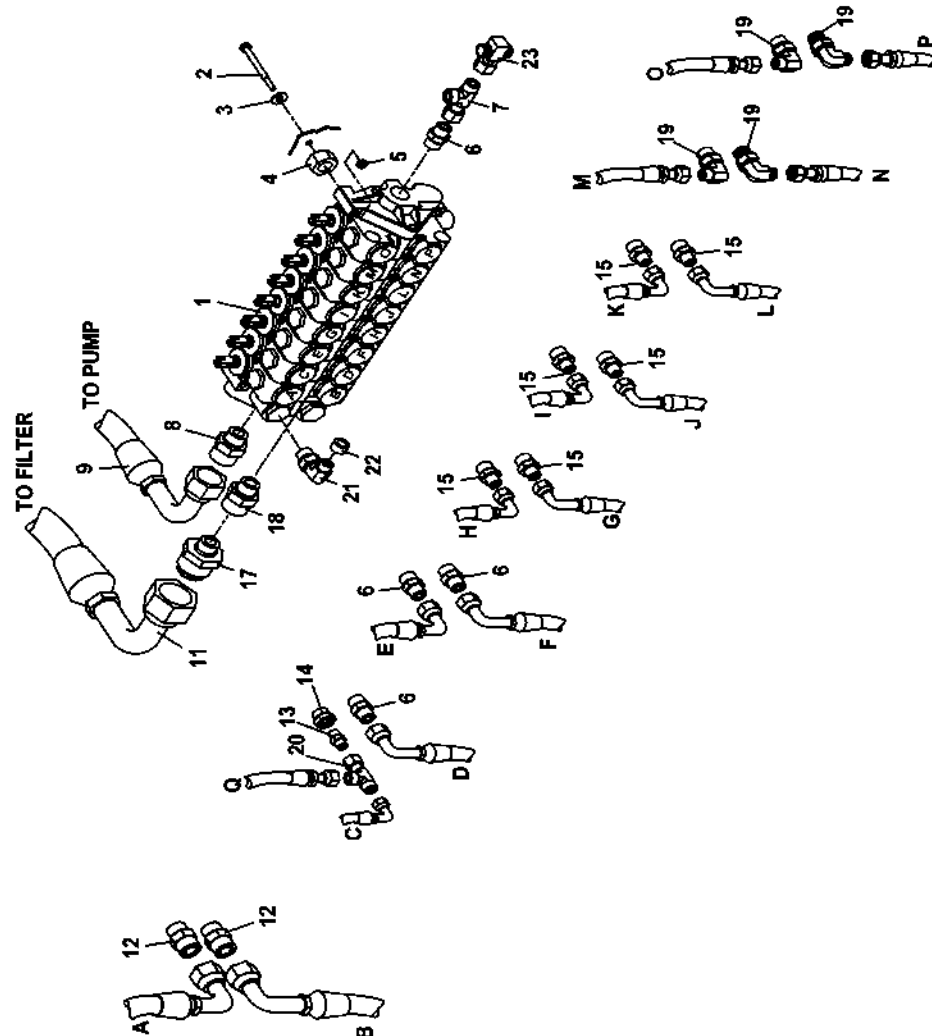
HYDRAULIC GROUP
(FRAME PLUMBING)

NOTE:

ITEM 1 (CONTROL VALVE)
FOR MORE DETAILED
INFORMATION SEE
EXPLODED VIEW
IN THIS SECTION



- A - WINCH DOWN
- B - WINCH UP
- C - BOOM DOWN
- D - BOOM UP
- E - TELE EXTEND
- F - TELE RETRACT
- G - TURN LEFT
- H - TURN RIGHT
- I - ASH P.S. DOWN
- J - ASH P.S. UP
- K - ASH D.S. DOWN
- L - ASH D.S. UP
- M - O/R P.S. DOWN
- N - O/R P.S. UP
- O - O/R D.S. UP
- P - O/R D.S. DOWN
- Q - TO SOLENOID VALVE



995001519

818886

Manitowoc Crane Group

Description FRAME PLUMBING				Assembly No. 818887 Revision:
Item	FN	Part	Qty	Description
1	+	975199	1	VALVE ASSEMBLY - CONTROL
2		7115152850	3	CAP SCREW 5/16" -18 N.C. X 3 1/2" GRADE 5
3		7950150161	3	FLATWASHER 5/1" I.D.
4		7660240031	3	NUT
5		846575	3	SELF-LOCKING NUT
6		7447081001	4	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755910002	1	O-RING
7		7447080834	1	TEE, MALE RUN INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
8		7447161201	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
9		7555610861	1	HOSE ASSY
11		906976	1	HOSE ASSY
12		7447121201	2	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
13		7447040601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
14		7443001613	1	REDUCER
15		7447061001	6	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755910002	1	O-RING
16		875304	2	DECAL - FAILURE TO MAINTAIN ANTI 2 BLOCK
17		7445241643	1	STR ADAPTER MALE JIC TO "O" RG
18		7013000517	1	REDUCER
19		7447061003	4	FITTING, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Crane Group

Description
FRAME PLUMBING

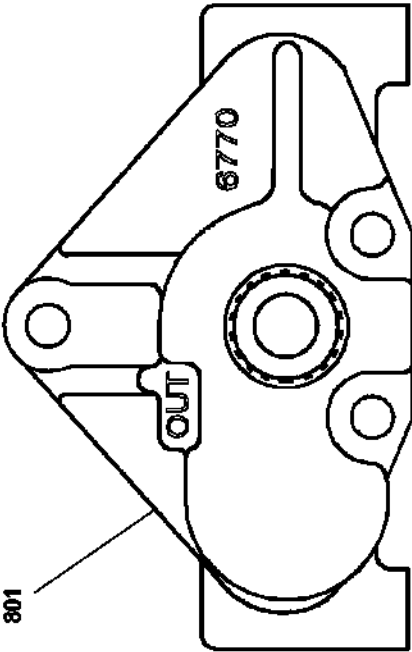
Assembly No.
818887
Revision:

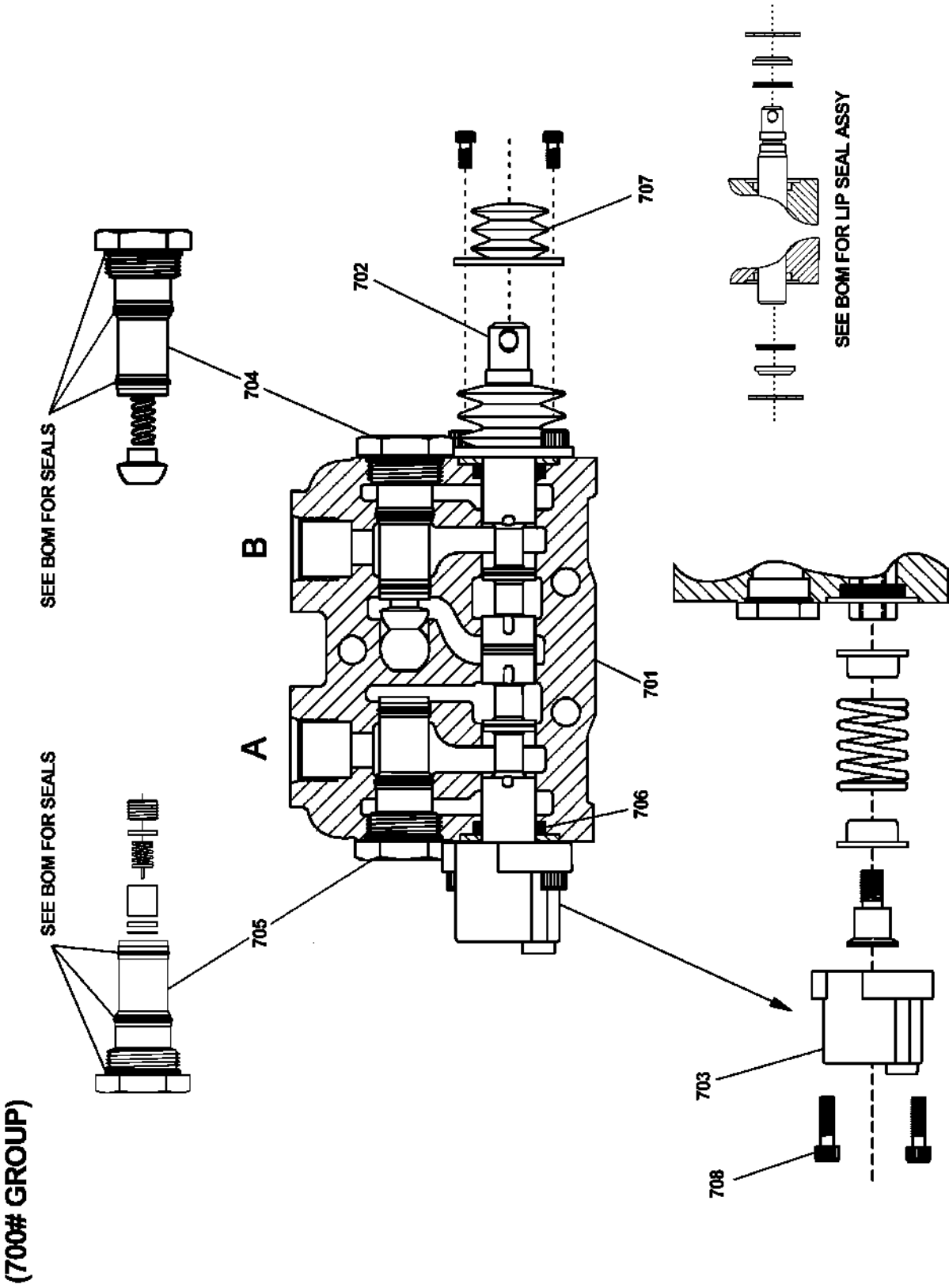
Item	FN	Part	Qty	Description
20		7755910002	1	O-RING
		7447040434	1	TEE, MALE RUN INCLUDES THE FOLLOWING PARTS
21		7755011002	1	O-RING
		7755904002	1	O-RING
		7447040403	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
22		7755904002	1	O-RING
		7447040416	1	CAP, FEMALE
23		7447080835	1	TEE, BRANCH INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING

Manitowoc Crane Group

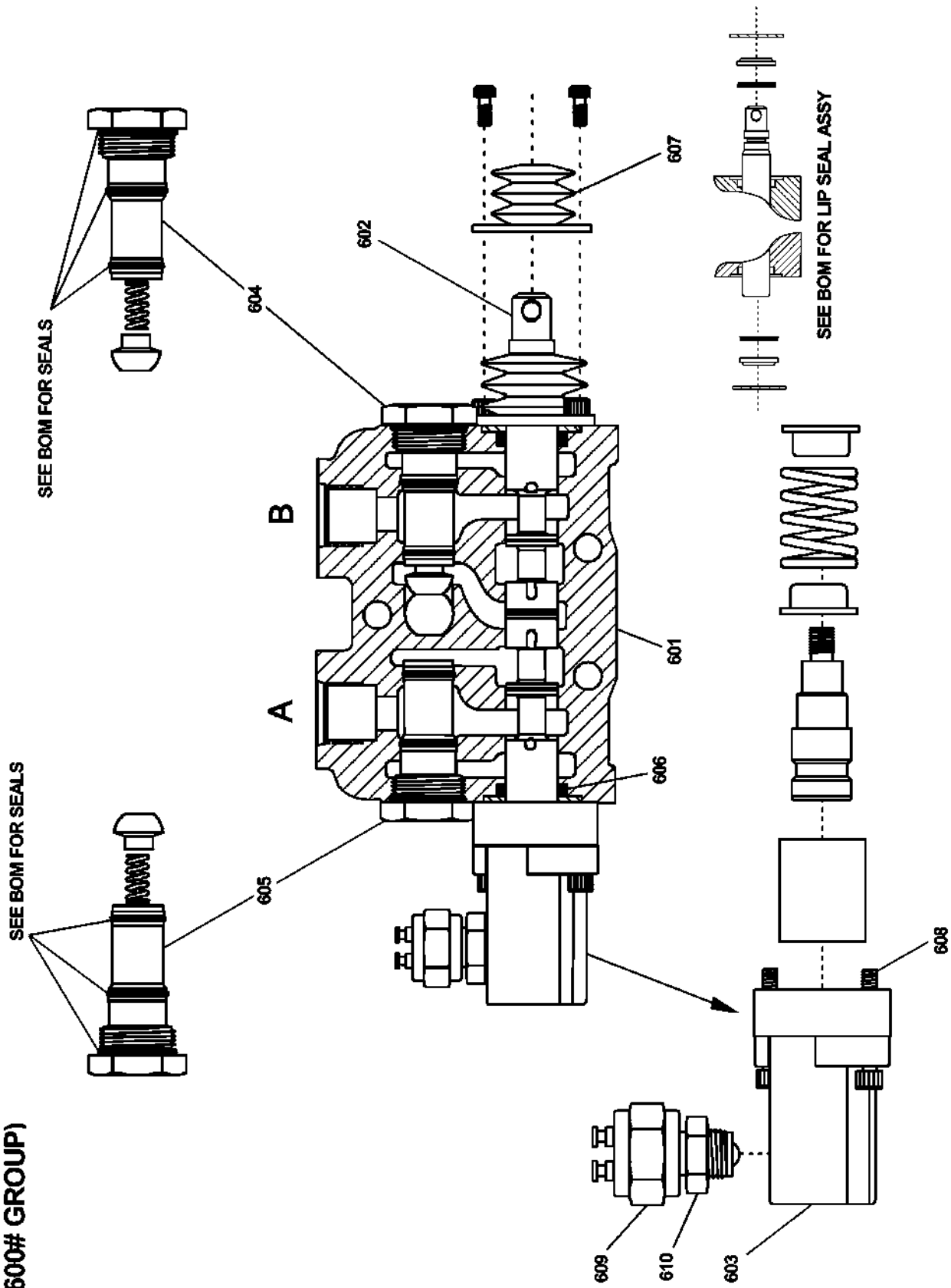
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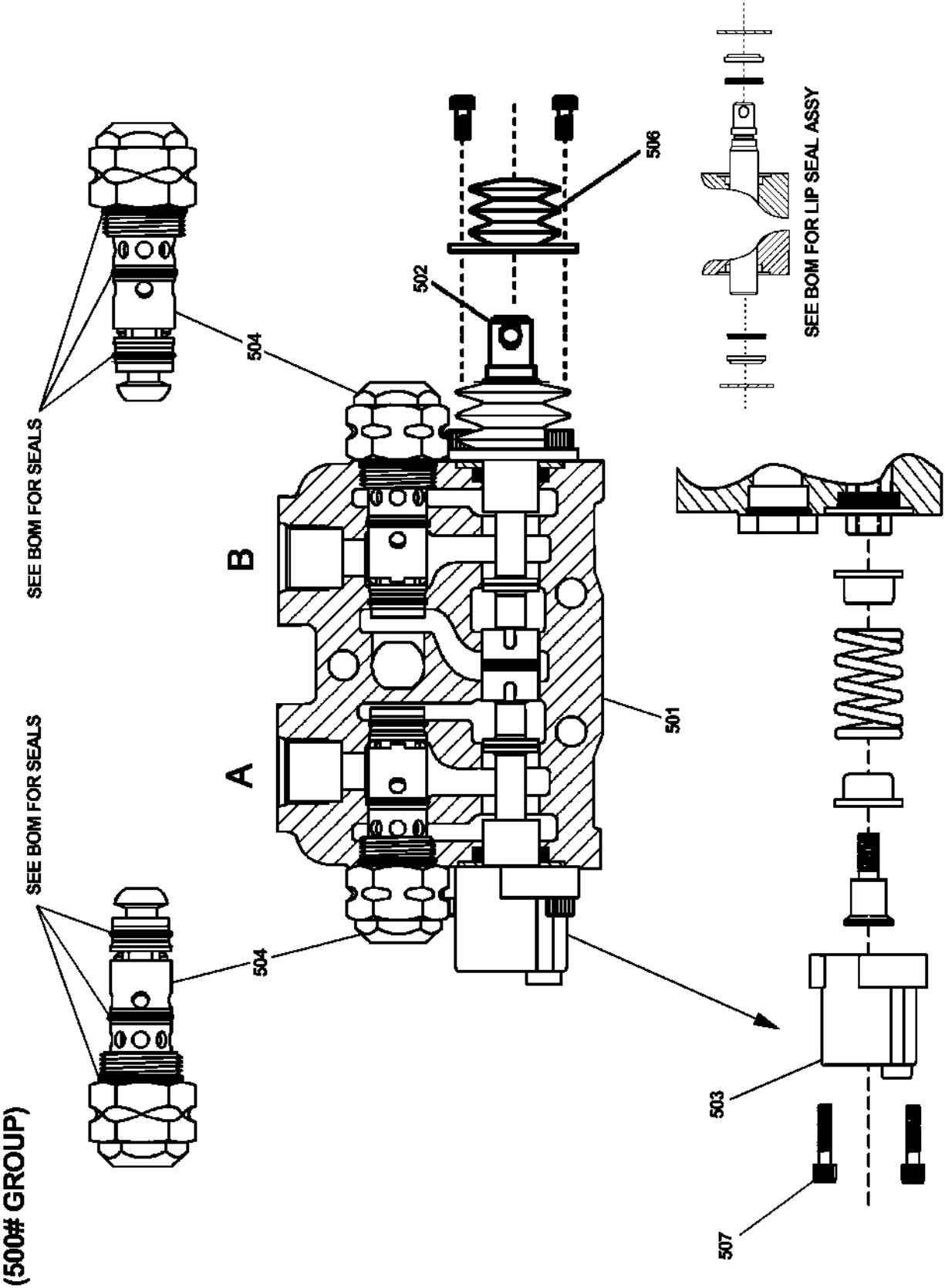
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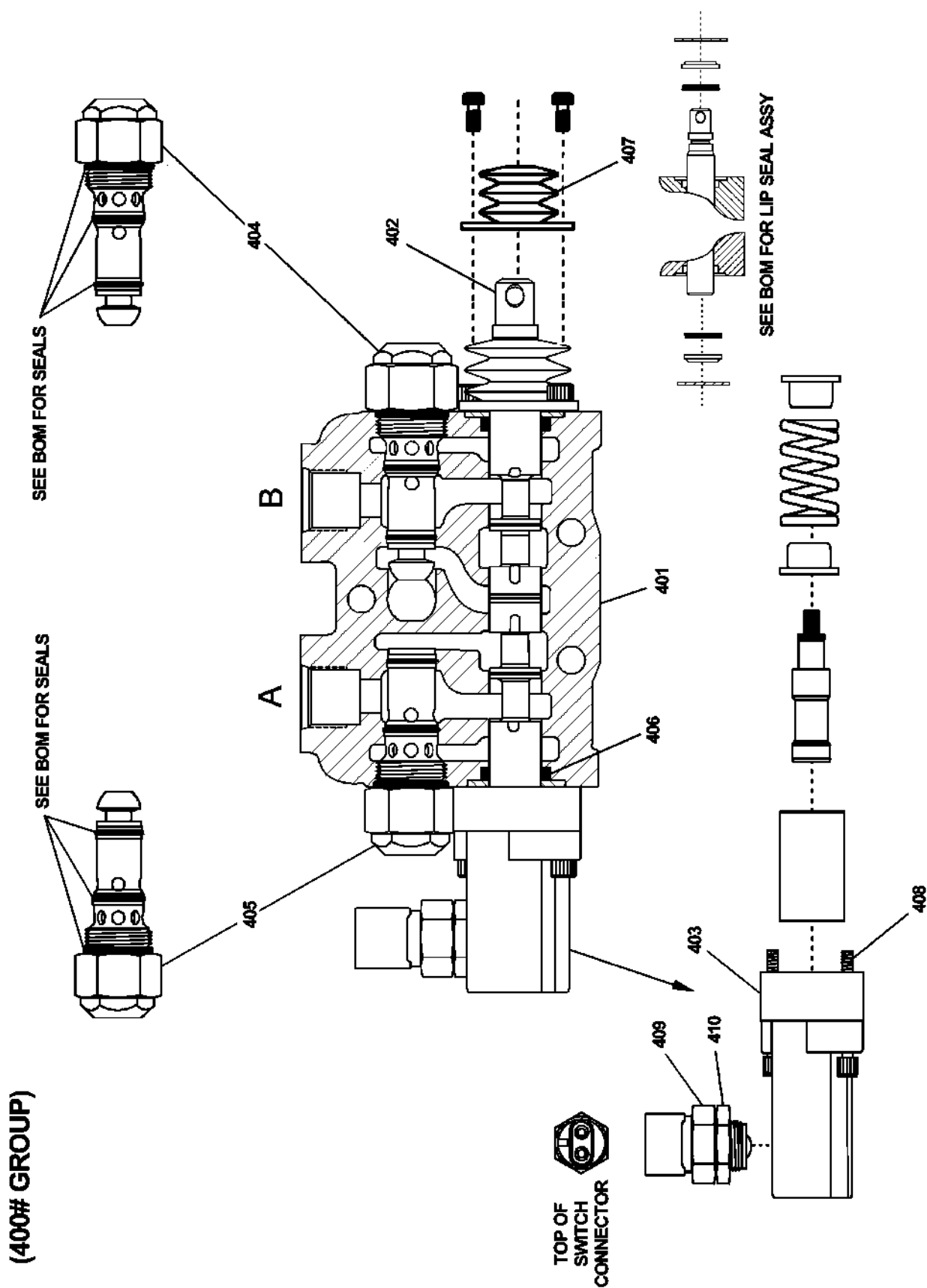


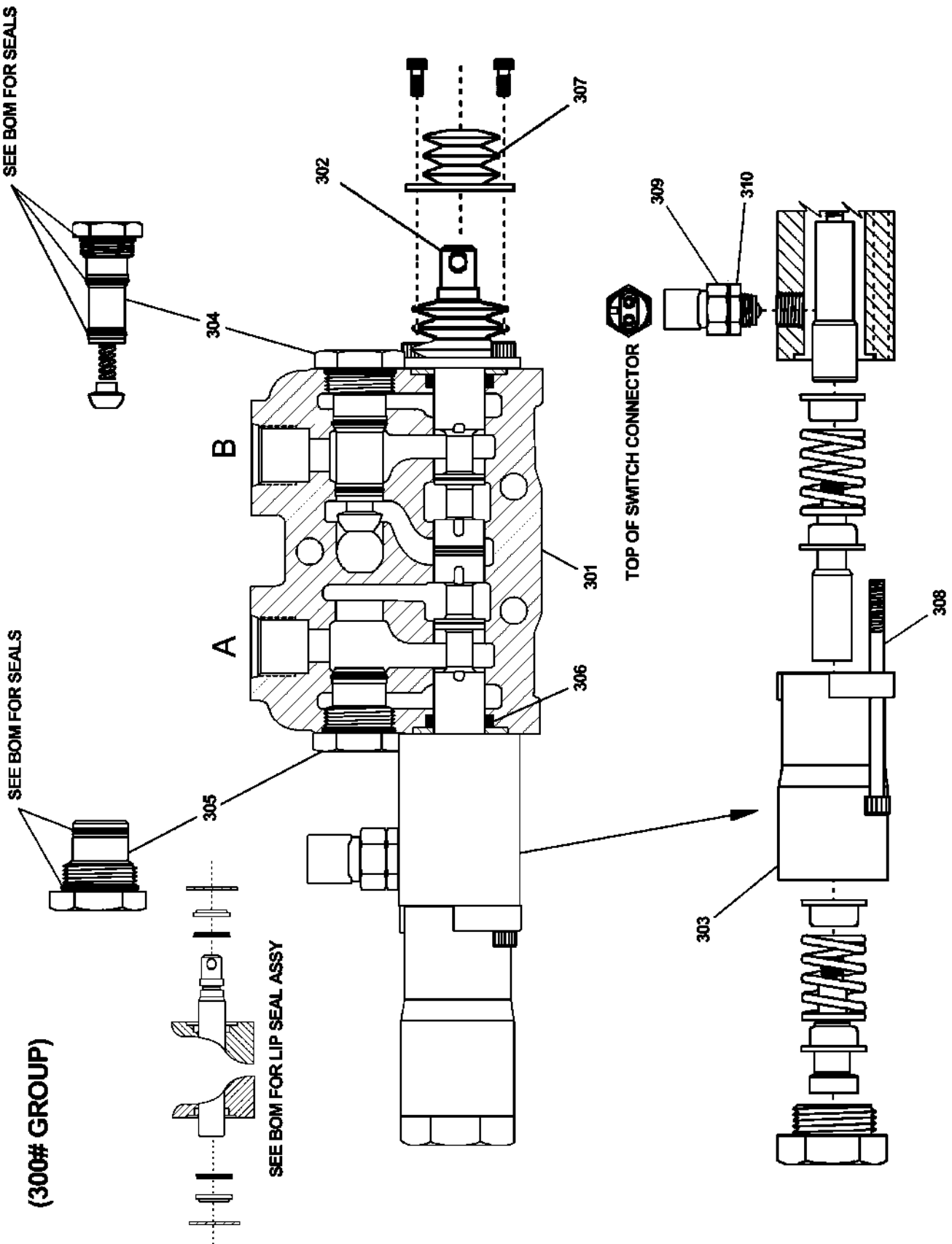


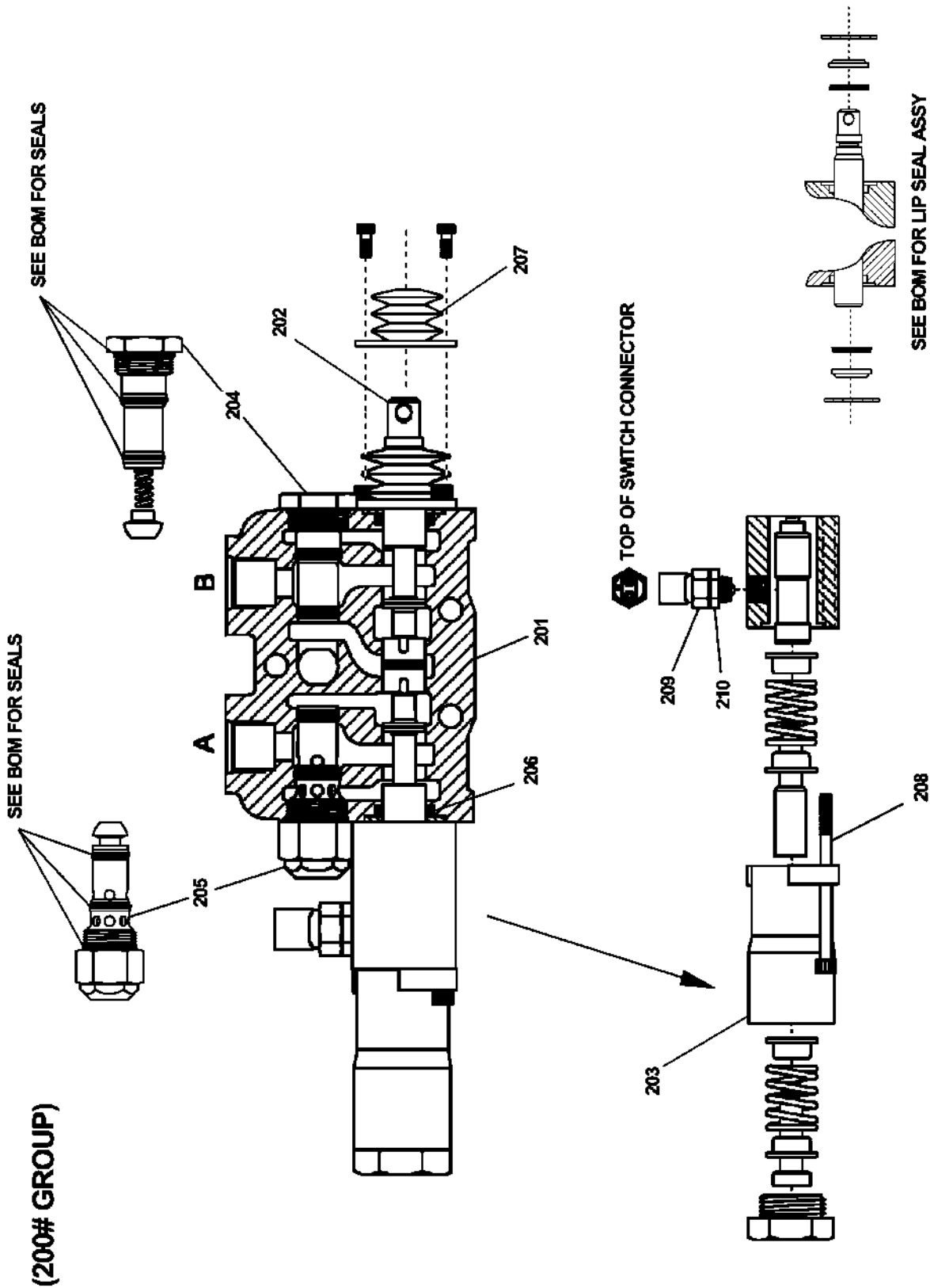
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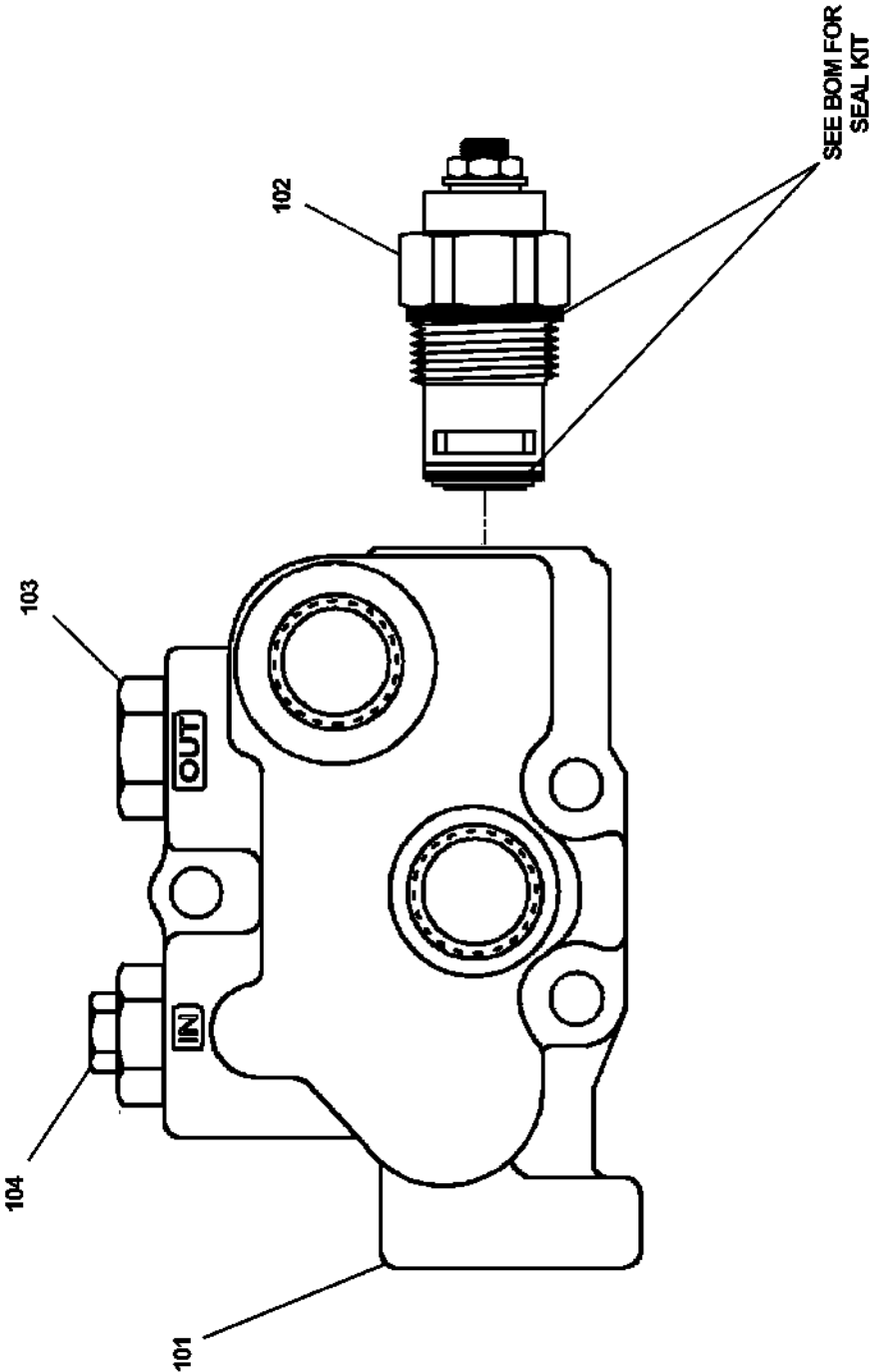




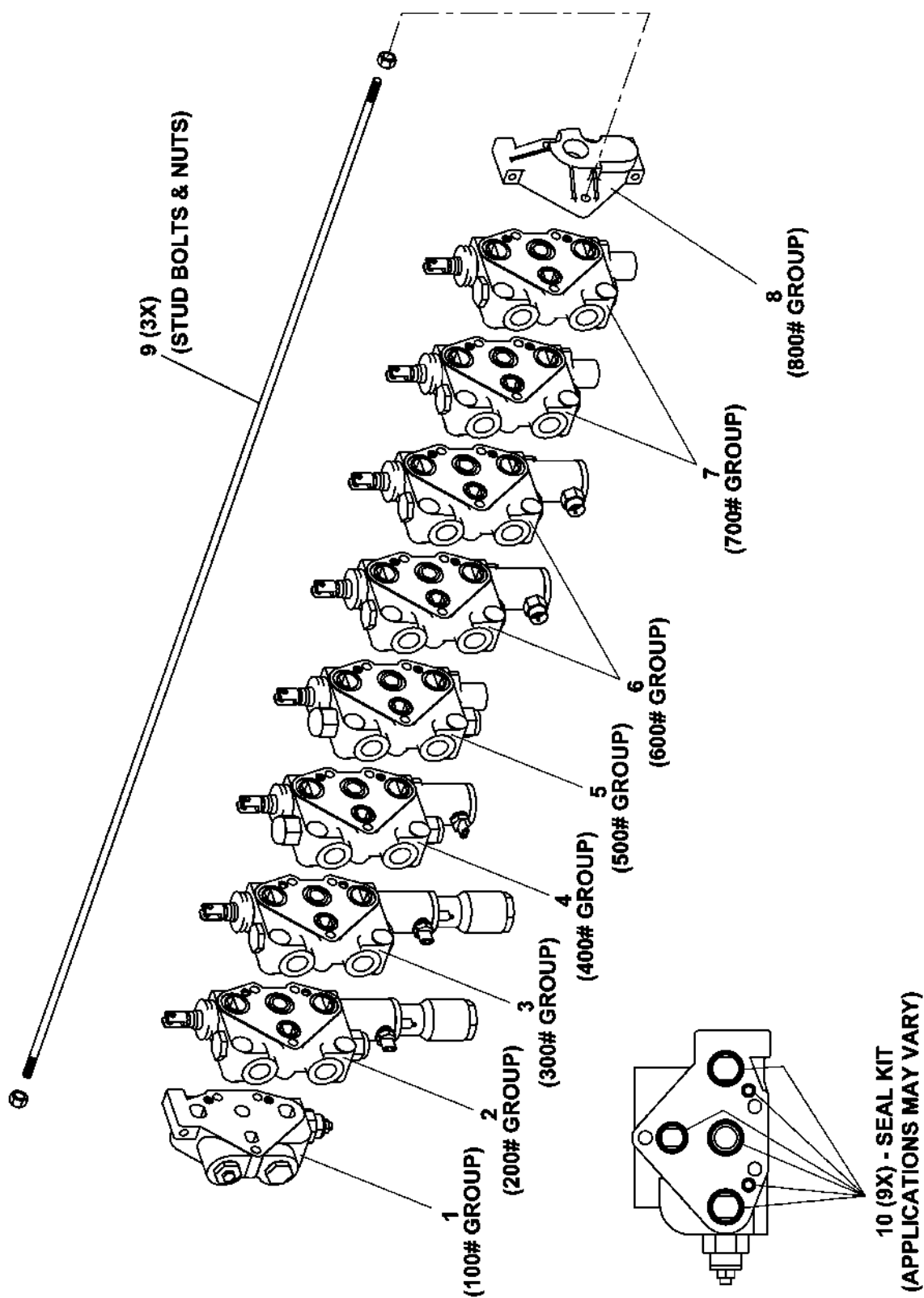




(100# GROUP)



Manitowoc Crane Group



Manitowoc Crane Group

Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
1		9926112879	1	VALVE HOUSING ASY. INLET COVER INCLUDES ITEMS 101 THRU 104
2		9926112880	1	VALVE HOUSING ASY.WORK SECTION WINCH, INCLUDES ITEMS 201 THRU 210
3		9926112881	1	VALVE HOUSING ASY.WORK SECTION LIFT, INCLUDES ITEMS 301 THRU 310
4		9926112882	1	VALVE HOUSING ASY.WORK SECTION TELE, INCLUDES ITEMS 401 THRU 410
5		9926112883	1	VALVE HOUSING ASY.WORK SECTION SWING / TRUN INCLUDES ITEMS 501 THRU 507
6		9926112884	2	VALVE HOUSING ASY.WORK SECTION SECTIONS 5 & 6 STABILIZERS INCLUDES ITEMS 601 THRU 610
7		9926112885	2	VALVE HOUSING ASY.WORK SECTION SECTIONS 7 & 8 OUTRIGGERS INCLUDES ITEMS 701 THRU 708
8		9926112886	1	VALVE HOUSING ASY.OUTLET COVER INCLUDES ITEM 801
9		9926112888	1	KIT, STUD INCLUDES 3 BOLTS N.S.S. AND 3 NUTS 9926106920
10		9926109671	1	KIT, SEAL SECTION SEAL KIT REQUIRES 9 KITS FOR COMPLETE VALVE ASSY
101		NSS	1	HOUSING
102		9926112889	1	VALVE ASSY. RELIEF @ 4300 PSI. INCLUDES THE FOLLOWING PARTS
		9926104888	1	KIT, REPAIR
103		9926106963	1	PLUG, SAE #12
104		9926111599	1	PLUG
201		NSS	1	HOUSING
202		NSS	1	SPOOL
203		9926112890	1	POSITIONER ASSY.

Manitowoc Crane Group

Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
204		9926109708	1	PLUG, CARTRIDGE POPPET AND SPRING NOT REQUIRED AT THIS PORT WHICH IS PART OF THE KIT INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
205		9926112891	1	VALVE ASSY. RELIEF @ 3300 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
206		9926112892	1	KIT, SEAL
207		9926112893	1	KIT, BOOT
208		9926112905	2	SCREW
209		9926112906	1	SWITCH ASSY.
210		9926112907	1	NUT
301		NSS	1	HOUSING
302		NSS	1	SPOOL
303		9926112895	1	POSITIONER ASSY.
304		9926109708	1	PLUG, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
305		9926112894	1	KIT, PLUG / LOAD CHECK INCLUDES THE FOLLOWING PARTS
		9926112903	1	KIT, SEAL
306		9926112892	1	KIT, SEAL
307		9926112893	1	KIT, BOOT
308		9926112905	2	SCREW
309		9926112906	1	SWITCH ASSY.
310		9926112907	1	NUT
401		NSS	1	HOUSING
402		NSS	1	SPOOL
403		9926112896	1	POSITIONER ASSY.
404		9926112897	1	VALVE ASSY. RELIEF @ 2900 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
405		9926112898	1	VALVE ASSY. RELIEF @ 2900 PSI.

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Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
		9926104886	1	INCLUDES THE FOLLOWING PARTS KIT, REPAIR
406		9926112892	1	KIT, SEAL
407		9926112893	1	KIT, BOOT
408		9926112908	2	SCREW
409		9926112906	1	SWITCH ASSY.
410		9926112909	1	NUT
501		NSS	1	HOUSING
502		NSS	1	SPOOL
503		9926112899	1	POSITIONER ASSY.
504		9926112900	2	VALVE ASSY. RELIEF @ 2350 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
505		9926112892	1	KIT, SEAL
506		9926112893	1	KIT, BOOT
507		9926111613	2	SCREW
601		NSS	1	HOUSING
602		NSS	1	SPOOL
603		9926112901	1	POSITIONER ASSY.
604		9926109708	1	PLUG, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
605		9926109708	1	PLUG, CARTRIDGE POPPET AND SPRING NOT REQUIRED IN THIS PORT WHICH IS PART OF THE KIT INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
606		9926112892	1	KIT, SEAL
607		9926112893	1	KIT, BOOT
608		9926112908	2	SCREW
609		9926112910	1	SWITCH ASSY.
610		9926112909	1	NUT
701		NSS	1	HOUSING

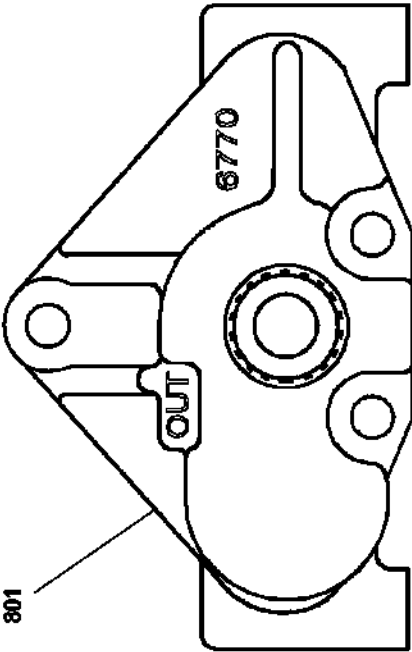
Manitowoc Crane Group

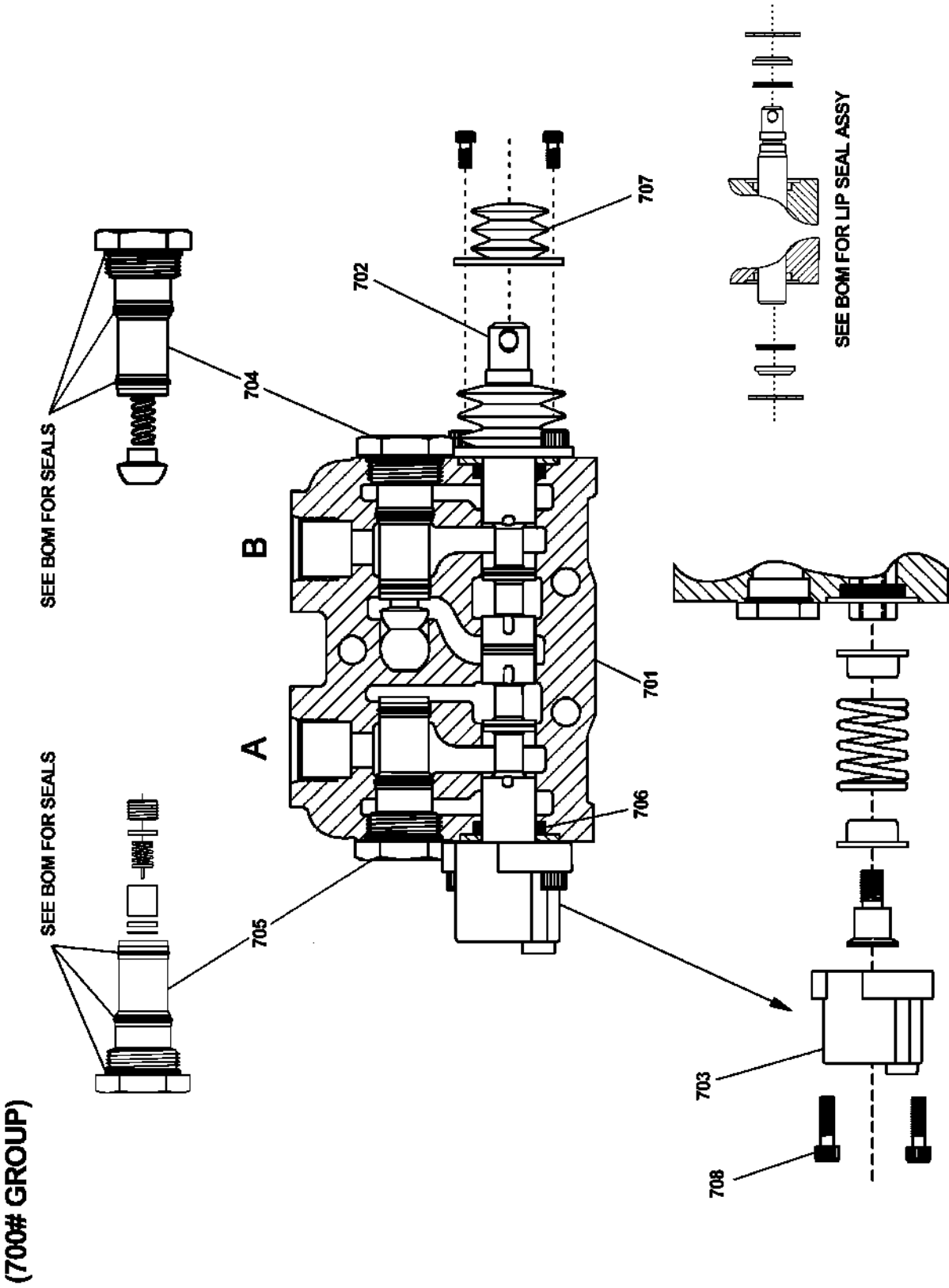
Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
702		NSS	1	SPOOL
703		9926106929	1	POSITIONER
704		9926109708	1	PLUG, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
705		9926112902	1	KIT, PLUG / BLEEDER INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
706		9926112892	1	KIT, SEAL
707		9926112893	1	KIT, BOOT
708		9926111613	2	SCREW
801		NSS	1	HOUSING

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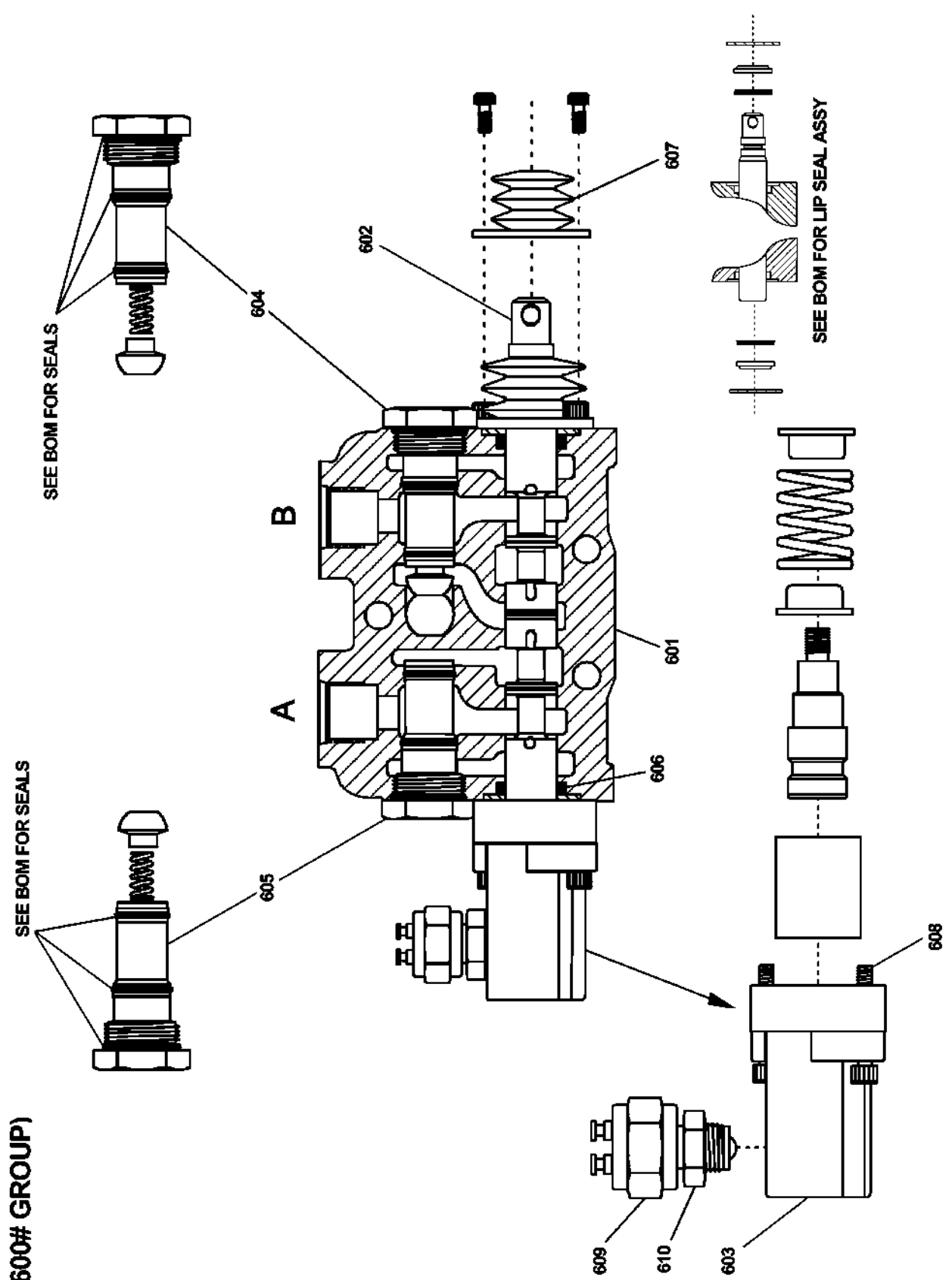
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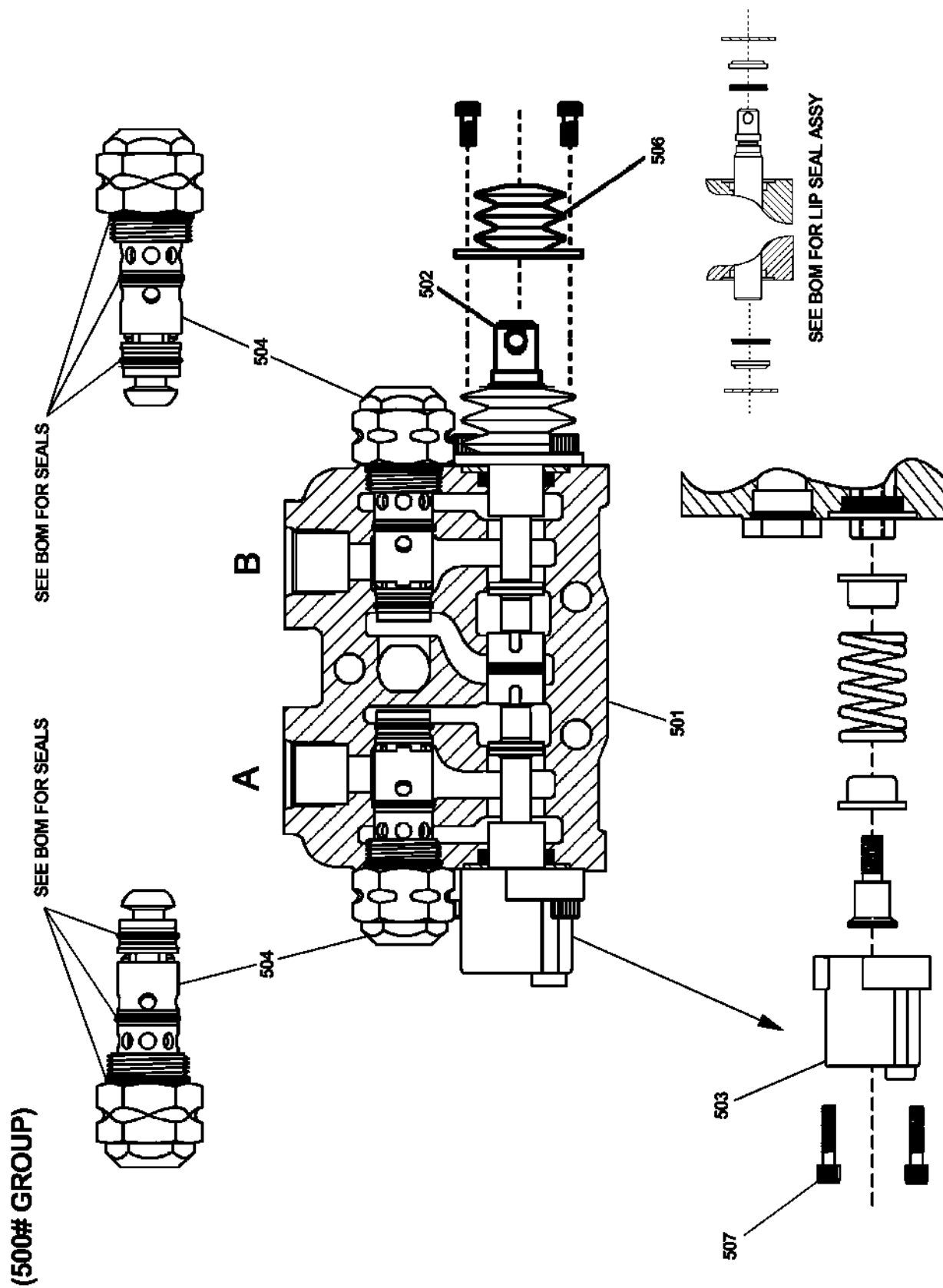
(800# GROUP)

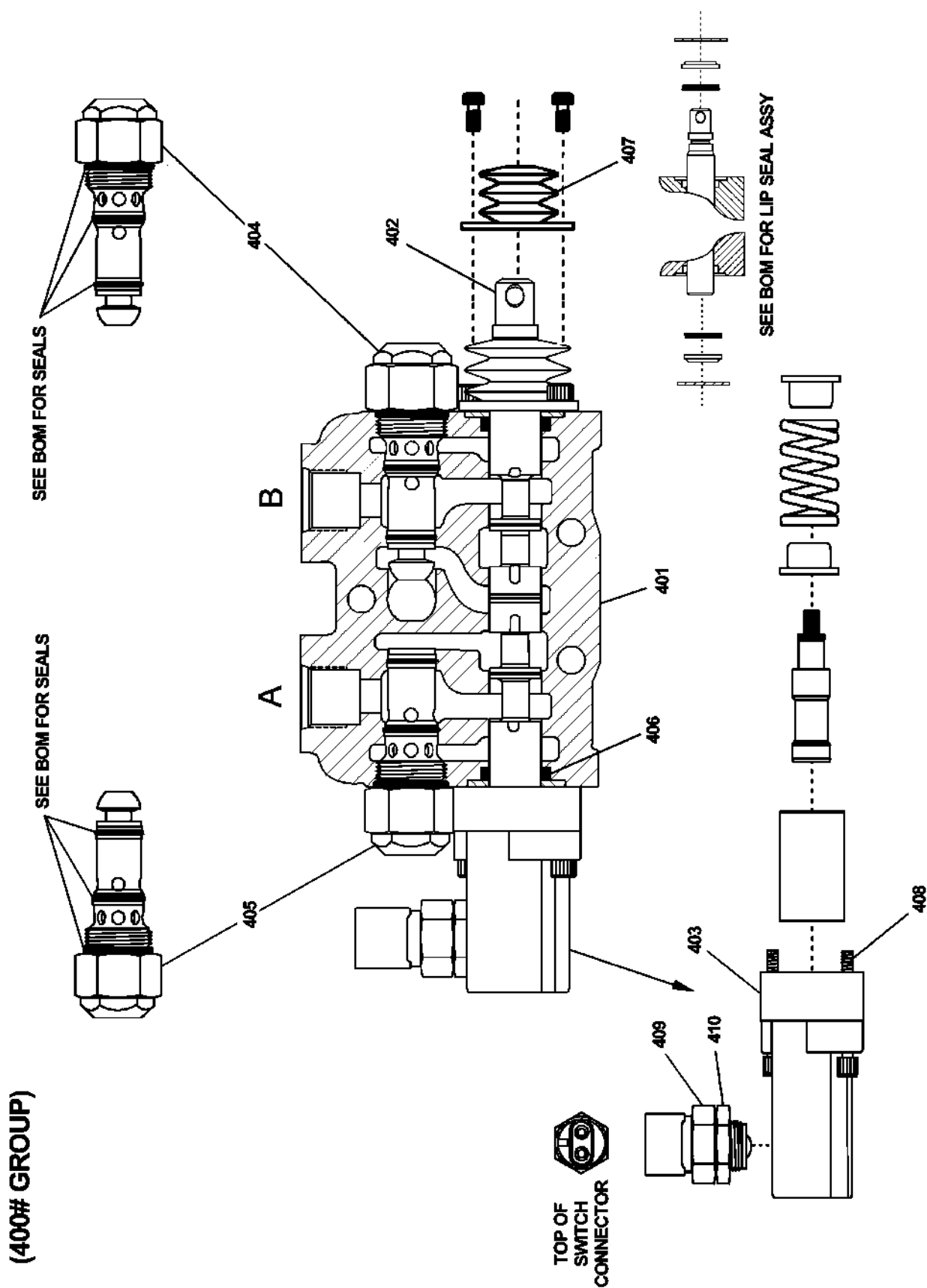


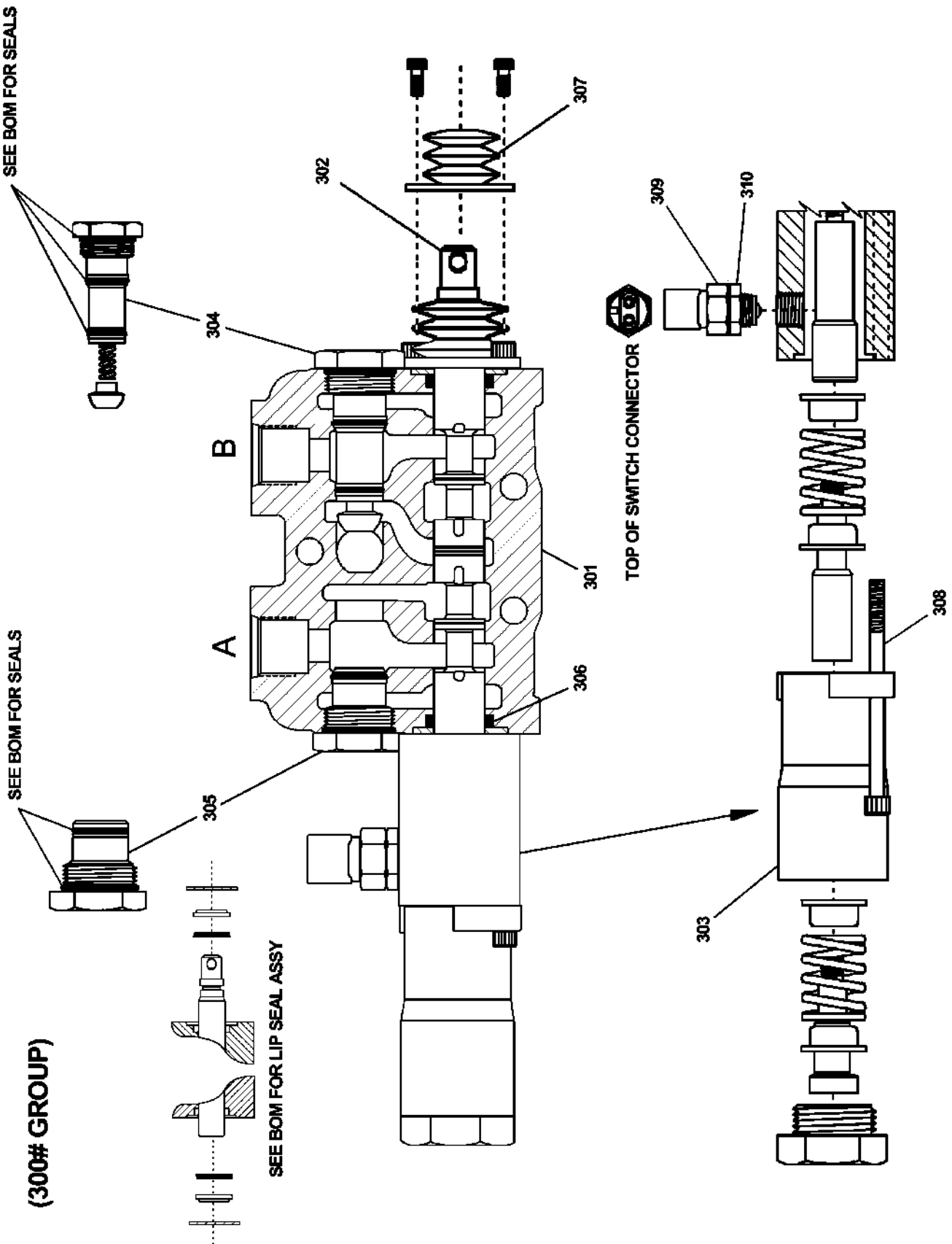


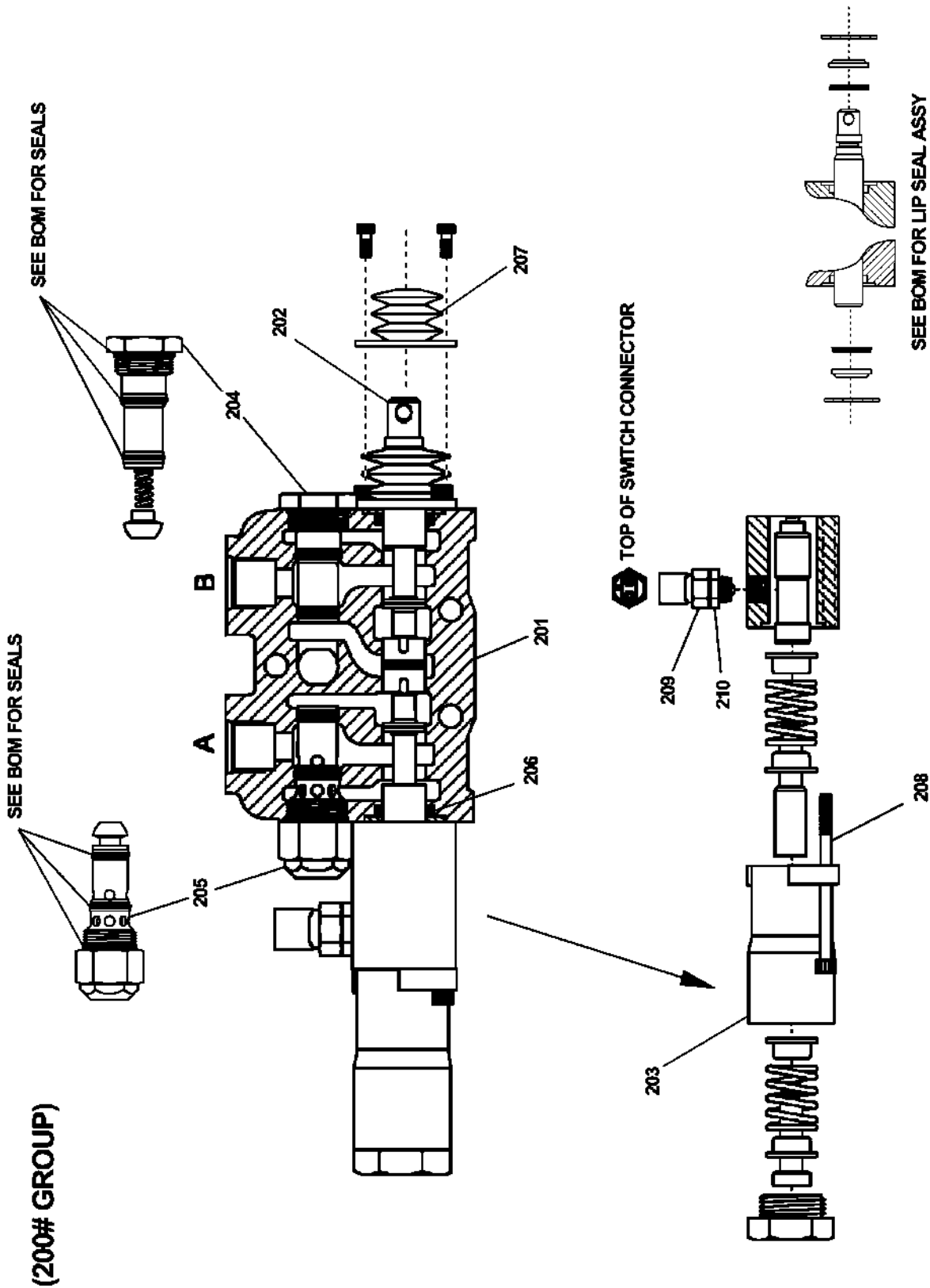
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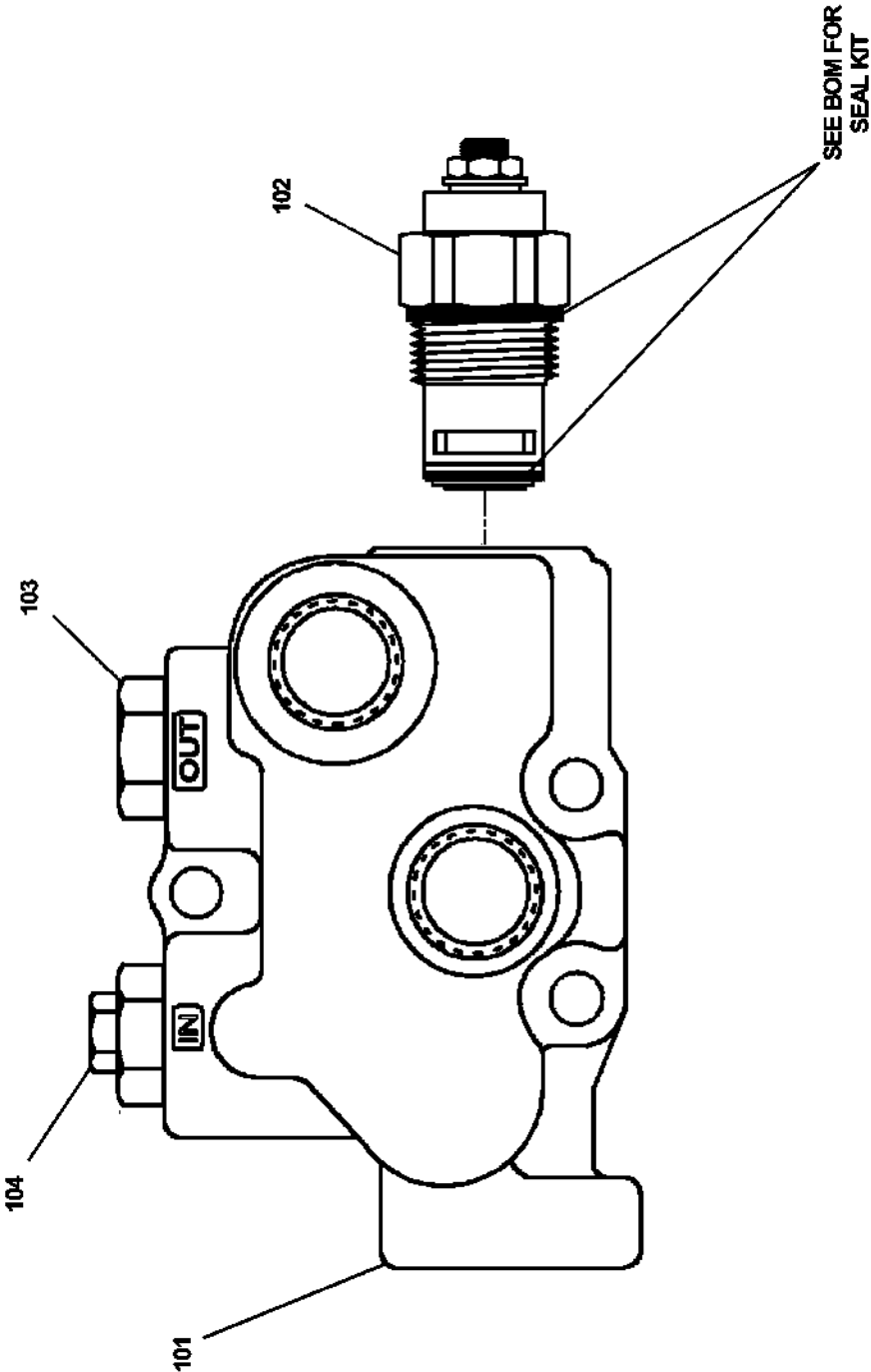




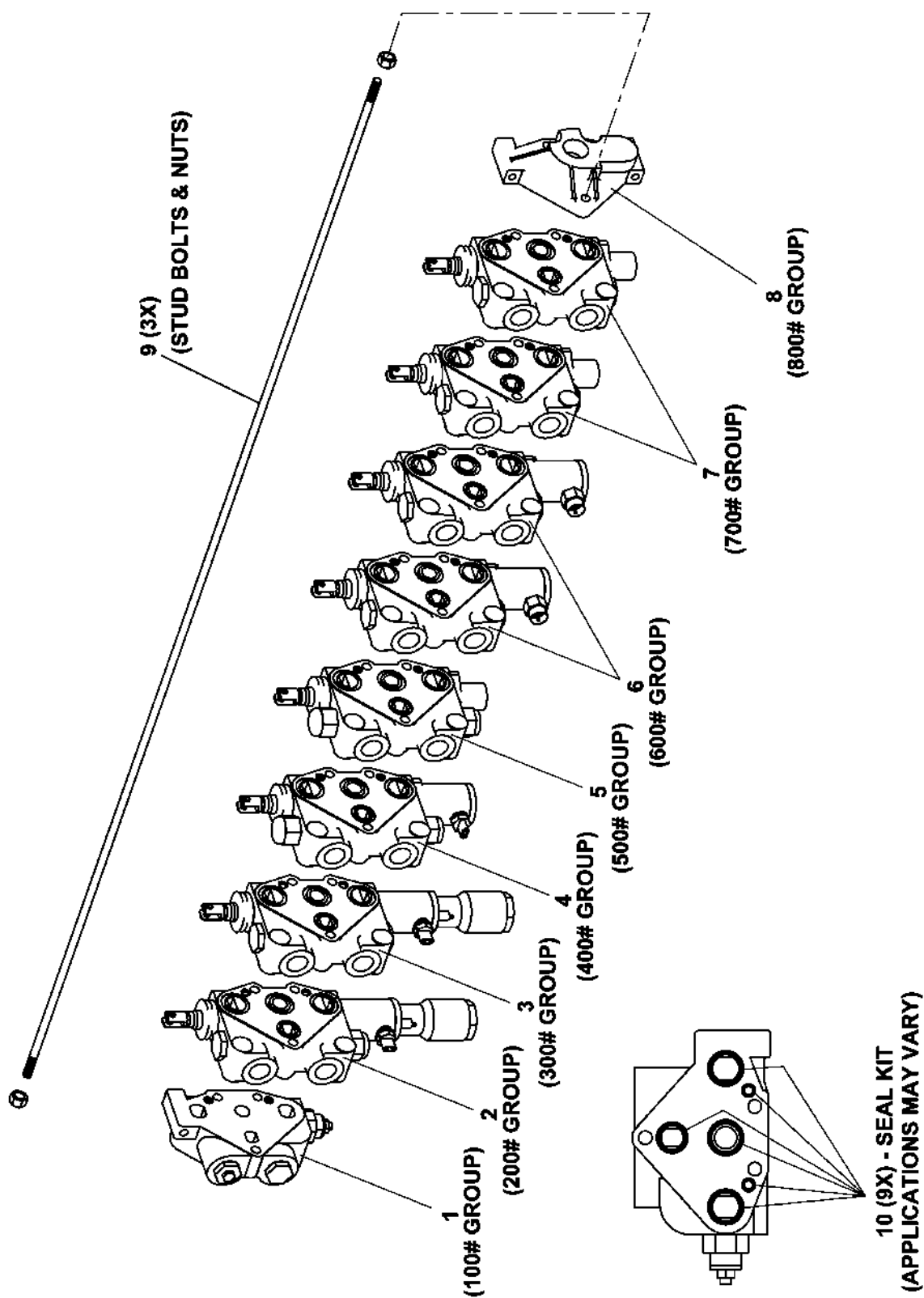




(100# GROUP)



Manitowoc Crane Group



Manitowoc Crane Group

Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
1		9926112879	1	VALVE HOUSING ASY. INLET COVER INCLUDES ITEMS 101 THRU 104
2		9926112880	1	VALVE HOUSING ASY.WORK SECTION WINCH, INCLUDES ITEMS 201 THRU 210
3		9926112881	1	VALVE HOUSING ASY.WORK SECTION LIFT, INCLUDES ITEMS 301 THRU 310
4		9926112882	1	VALVE HOUSING ASY.WORK SECTION TELE, INCLUDES ITEMS 401 THRU 410
5		9926112883	1	VALVE HOUSING ASY.WORK SECTION SWING / TRUN INCLUDES ITEMS 501 THRU 507
6		9926112884	2	VALVE HOUSING ASY.WORK SECTION SECTIONS 5 & 6 STABILIZERS INCLUDES ITEMS 601 THRU 610
7		9926112885	2	VALVE HOUSING ASY.WORK SECTION SECTIONS 7 & 8 OUTRIGGERS INCLUDES ITEMS 701 THRU 708
8		9926112886	1	VALVE HOUSING ASY.OUTLET COVER INCLUDES ITEM 801
9		9926112888	1	KIT, STUD INCLUDES 3 BOLTS N.S.S. AND 3 NUTS 9926106920
10		9926109671	1	KIT, SEAL SECTION SEAL KIT REQUIRES 9 KITS FOR COMPLETE VALVE ASSY
101		NSS	1	HOUSING
102		9926112889	1	VALVE ASSY. RELIEF @ 4300 PSI. INCLUDES THE FOLLOWING PARTS
		9926104888	1	KIT, REPAIR
103		9926106963	1	PLUG, SAE #12
104		9926111599	1	PLUG
201		NSS	1	HOUSING
202		NSS	1	SPOOL
203		9926112890	1	POSITIONER ASSY.

Manitowoc Crane Group

Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
204		9926109708	1	PLUG, CARTRIDGE POPPET AND SPRING NOT REQUIRED AT THIS PORT WHICH IS PART OF THE KIT INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
205		9926112891	1	VALVE ASSY. RELIEF @ 3300 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
206		9926112892	1	KIT, SEAL
207		9926112893	1	KIT, BOOT
208		9926112905	2	SCREW
209		9926112906	1	SWITCH ASSY.
210		9926112907	1	NUT
301		NSS	1	HOUSING
302		NSS	1	SPOOL
303		9926112895	1	POSITIONER ASSY.
304		9926109708	1	PLUG, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
305		9926112894	1	KIT, PLUG / LOAD CHECK INCLUDES THE FOLLOWING PARTS
		9926112903	1	KIT, SEAL
306		9926112892	1	KIT, SEAL
307		9926112893	1	KIT, BOOT
308		9926112905	2	SCREW
309		9926112906	1	SWITCH ASSY.
310		9926112907	1	NUT
401		NSS	1	HOUSING
402		NSS	1	SPOOL
403		9926112896	1	POSITIONER ASSY.
404		9926112897	1	VALVE ASSY. RELIEF @ 2900 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
405		9926112898	1	VALVE ASSY. RELIEF @ 2900 PSI.

Manitowoc Crane Group

Description VALVE ASSEMBLY - CONTROL				Assembly No. 975199 Revision:
Item	FN	Part	Qty	Description
		9926104886	1	INCLUDES THE FOLLOWING PARTS KIT, REPAIR
406		9926112892	1	KIT, SEAL
407		9926112893	1	KIT, BOOT
408		9926112908	2	SCREW
409		9926112906	1	SWITCH ASSY.
410		9926112909	1	NUT
501		NSS	1	HOUSING
502		NSS	1	SPOOL
503		9926112899	1	POSITIONER ASSY.
504		9926112900	2	VALVE ASSY. RELIEF @ 2350 PSI. INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
505		9926112892	1	KIT, SEAL
506		9926112893	1	KIT, BOOT
507		9926111613	2	SCREW
601		NSS	1	HOUSING
602		NSS	1	SPOOL
603		9926112901	1	POSITIONER ASSY.
604		9926109708	1	PLUG, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
605		9926109708	1	PLUG, CARTRIDGE POPPET AND SPRING NOT REQUIRED IN THIS PORT WHICH IS PART OF THE KIT INCLUDES THE FOLLOWING PARTS
		9926104886	1	KIT, REPAIR
606		9926112892	1	KIT, SEAL
607		9926112893	1	KIT, BOOT
608		9926112908	2	SCREW
609		9926112910	1	SWITCH ASSY.
610		9926112909	1	NUT
701		NSS	1	HOUSING

Manitowoc Crane Group

Description

VALVE ASSEMBLY - CONTROL

Assembly No.

975199

Revision:

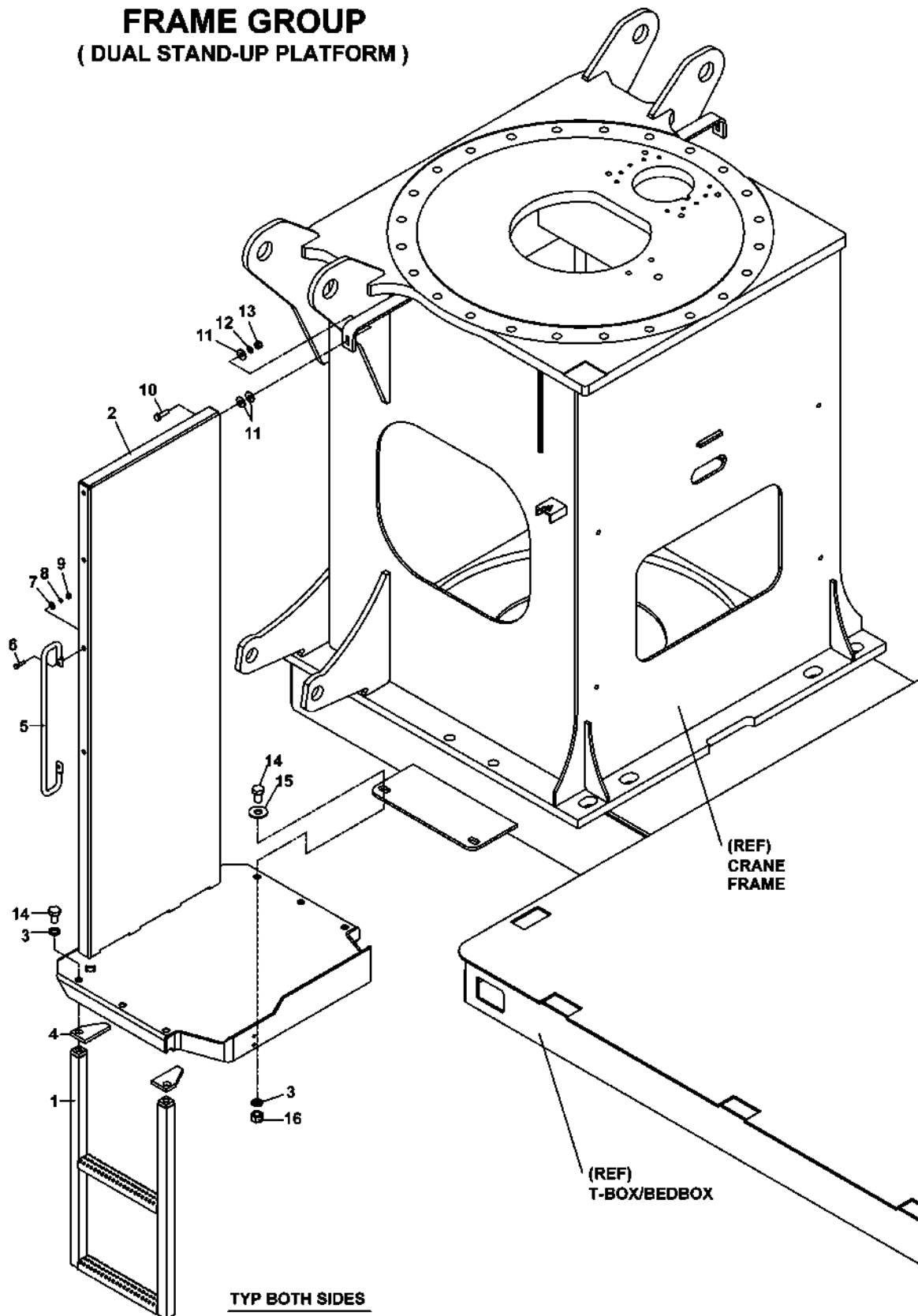
Item	FN	Part	Qty	Description
702		NSS	1	SPOOL
703		9926106929	1	POSITIONER
704		9926109708	1	PLUG, CARTRIDGE
		9926104886	1	INCLUDES THE FOLLOWING PARTS
		9926112902	1	KIT, REPAIR
705		9926112902	1	KIT, PLUG / BLEEDER
		9926104886	1	INCLUDES THE FOLLOWING PARTS
		9926112892	1	KIT, REPAIR
706		9926112892	1	KIT, SEAL
707		9926112893	1	KIT, BOOT
708		9926111613	2	SCREW
801		NSS	1	HOUSING

Manitowoc Crane Group

<u>Description</u> PLATFORM GROUP 500E				<u>Assembly No.</u> 995001481 Revision: #
Item	FN	Part	Qty	Description
20		818832	1	DUAL STAND-UP PLATFORM
40		814523	1	FOOT THROTTLE

Manitowoc Crane Group

FRAME GROUP (DUAL STAND-UP PLATFORM)



995001481

818831

818832

(SHEET 1 OF 1)

Manitowoc Crane Group

Description

DUAL STAND-UP PLATFORM

Assembly No.

818832

Revision: #

Item	FN	Part	Qty	Description
1		174933	2	STEP ASSY
2		203729	2	OPERATOR PLATFORM ASSY
3		7950200050	8	LOCKWASHER 5/8" I.D.
4		204320	4	PLATE
5		900042	2	HANDLE
6		7115140850	4	CAP SCREW 1/4" -20 N.C. X 1" GRADE 5
7		7950140161	4	FLATWASHER 1/4" I.D.
8		7950140050	4	LOCKWASHER 1/4" I.D.
9		7660140000	4	NUT, HEX 1/4" -20 N.C.
10		7115161050	2	CAP SCREW 3/8" -16 N.C. X 1 1/4" GRADE 5
11		7950160161	2	FLATWASHER 3/8" I.D.
12		7950160050	2	LOCKWASHER 3/8" I.D.
13		7660160000	2	NUT, HEX 3/8" -16 N.C.
14		7115201650	8	CAP SCREW 5/8" -11 N.C. X 2" GRADE 5
15		7950200161	4	WASHER 5/8" I.D.
16		7660200008	4	NUT, HEX 5/8" - 11 N.C. GRADE 8

(SHEET 1 OF 1)



*** NUT SHOULD BE LOOSENED AND SLID BACK ON SHAFT TO PERMIT ADDITION OF PRESSURE GREASE GUN.**

PAGE 814522

Manitowoc Crane Group

Description
FOOT THROTTLE

Assembly No.
814523
Revision: **A**

Item	FN	Part	Qty	Description
1		203735	1	PEDAL
2		203736	1	BRACKET
3		848023	1	CLEVIS PIN
4		7690021210	1	PIN, COTTER
5		7115140650	2	CAP SCREW 1/4" - 20 N.C. X 3/4" GRADE 5
6		7950140161	2	FLATWASHER 1/4" I.D.
7		7660140000	2	NUT, HEX 1/4" -20 N.C.
8		848680	4	ROLL PIN, 3/16 X 3/4
9		154243	1	CORE ANCHOR
10		NAT115001	1	CABLE, FOOT THROTTLE
10		115025	1	CONTROL CABLE
10		115024	1	CONTROL CABLE
11		7111104810	1	MACHINE SCREW
12		953001	1	SPRING
13		7660100000	2	NUT, HEX 3/16" -24 N.C. GRADE 1
14		900024	1	THROTTLE CABLE CLIP
15		7111100610	2	SCREW, MACHINE 3/16" -24 N.C. X 3/4" GRADE 1
16		7950100350	2	LOCKWASHER 3/16" I.D.
17		115007	1	STOP, CABLE
18		204428	1	ANCHOR SHEATH

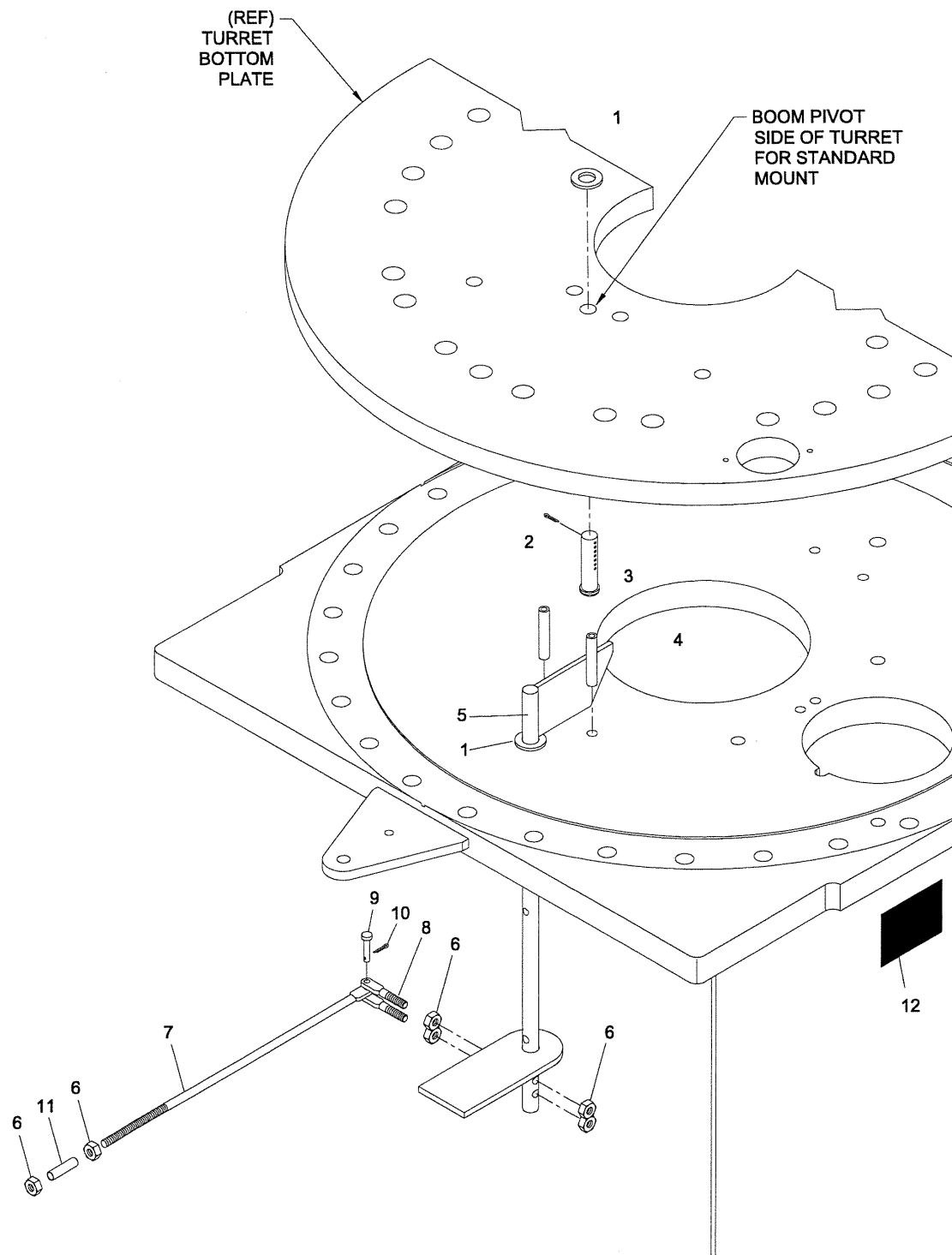
Manitowoc Crane Group

Notes

Manitowoc Crane Group

Description 375 DEG ROT LIMIT 800D/900A				Assembly No. 995000498 Revision: #
Item	FN	Part	Qty	Description
20		815411	1	ROTATION LIMIT LINKAGE

CONTROL GROUP
(ROTATION LIMIT LINKAGE)



07/24/00
05/15/03

995001301 995000498 995001302 995001460

PAGE 815410

Manitowoc Crane Group

Description ROTATION LIMIT LINKAGE				Assembly No. 815411 Revision:
Item	FN	Part	Qty	Description
1		7950220141	2	FLATWASHER 3/4" I.D.
2		7690052410	1	PIN, COTTER 1/8" X 1 1/2"
3		848045	1	CLEVIS PIN
4		848935	2	ROLL PIN Installation Drawing 201189.
5		174567	1	FLAG ROD ASSY
6		7660160230	6	NUT, HEX JAM 3/8" - 24 N.F.
7		864320	1	SPADE BOLT
8		864498	2	SPADE BOLT
9		848021	1	CLEVIS PIN
10		7690000810	1	PIN, COTTER 1/16" X 1/2"
11		205608	1	SLEEVE
12		878110	2	DECAL-TURN STOP OPERATION

Manitowoc Crane Group

Notes

Manitowoc Crane Group

Description

Assembly No.

PISTON PUMP FRAME GROUP - 4 HOLE TULSA

995001881

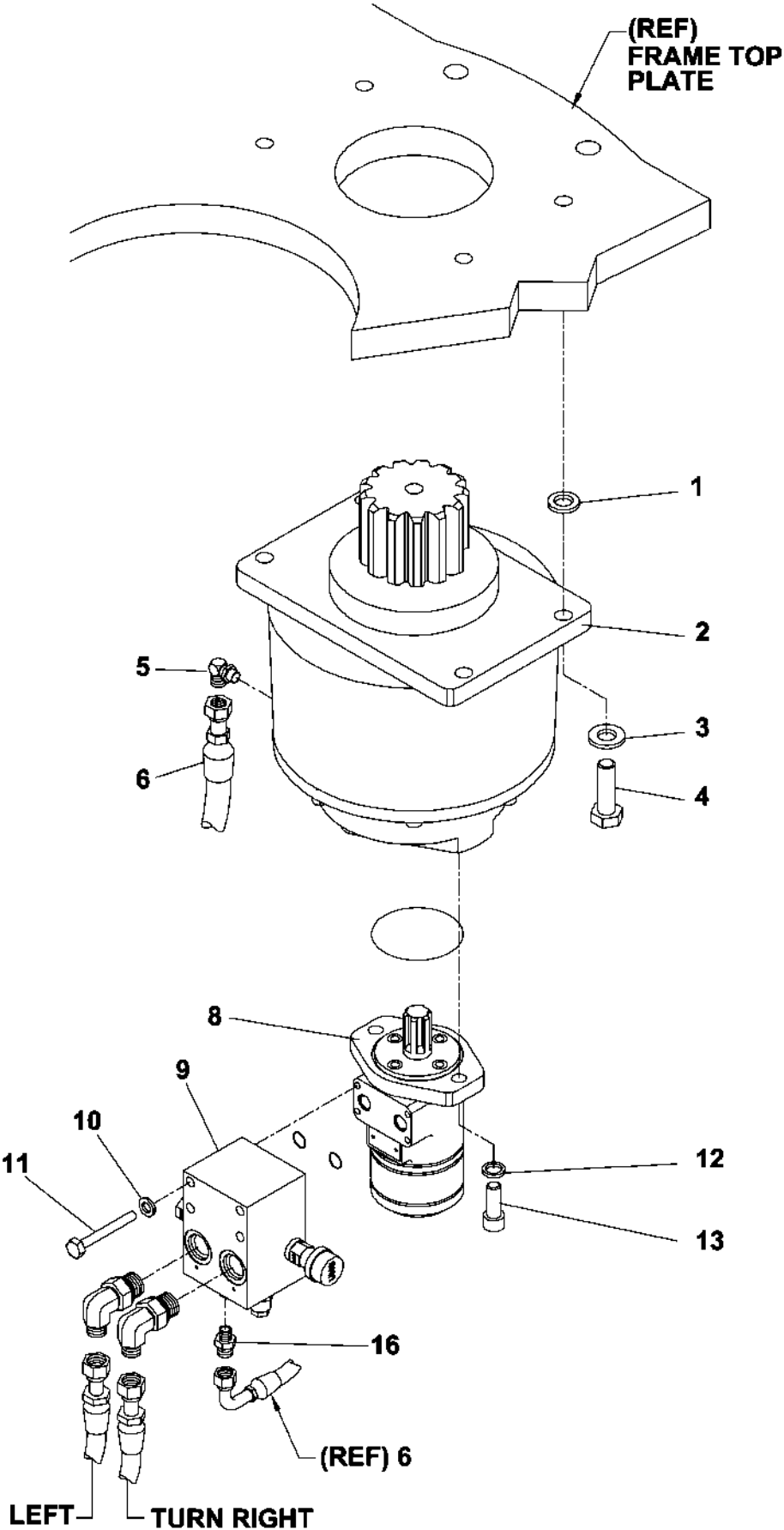
Revision: #

Item	FN	Part	Qty	Description
1		008128	1	ROTATION GEARBOX MOUNTING
2		008054	1	DECAL LOCATION - FRAME GROUP

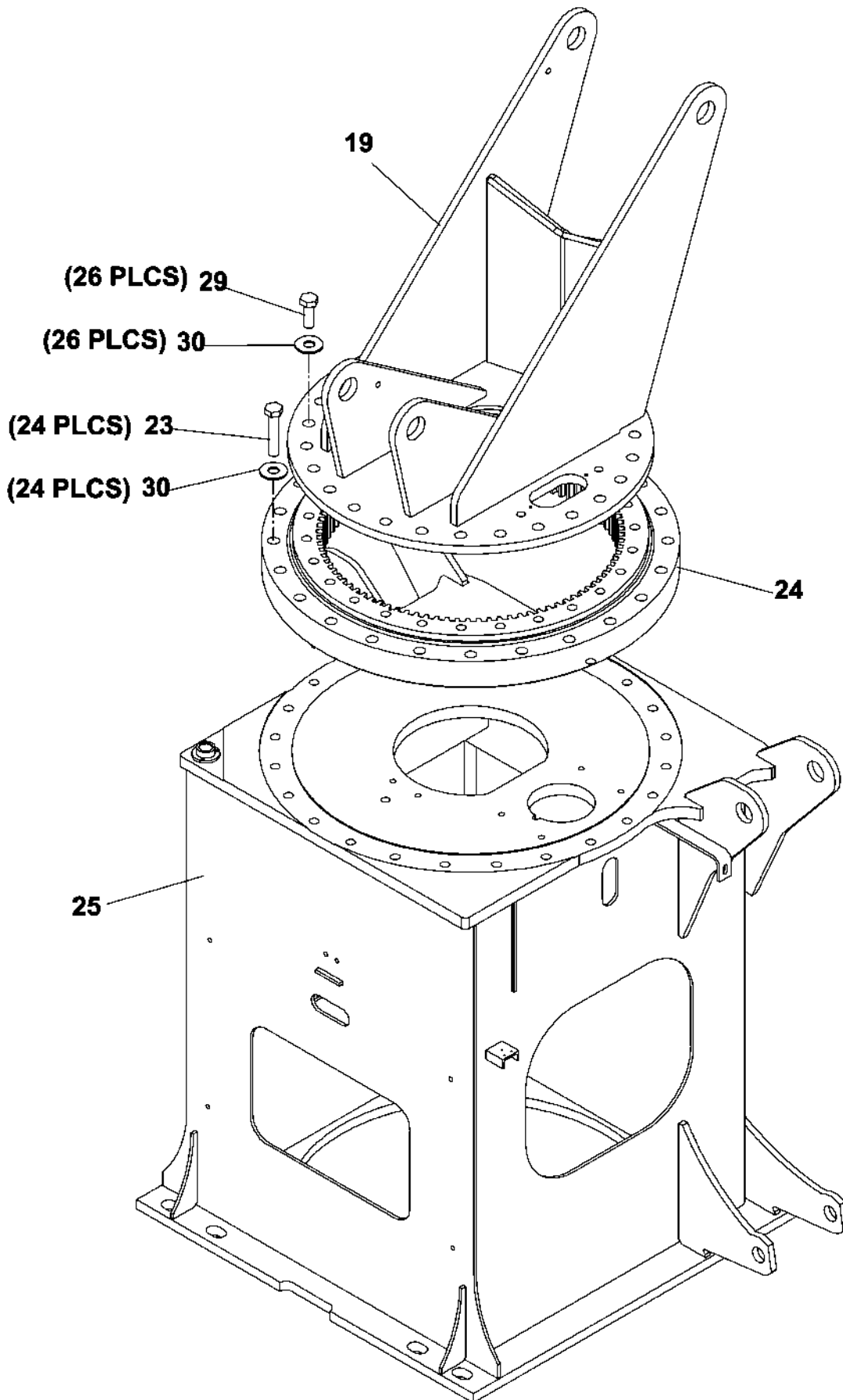
Manitowoc Crane Group

Notes

Manitowoc Crane Group



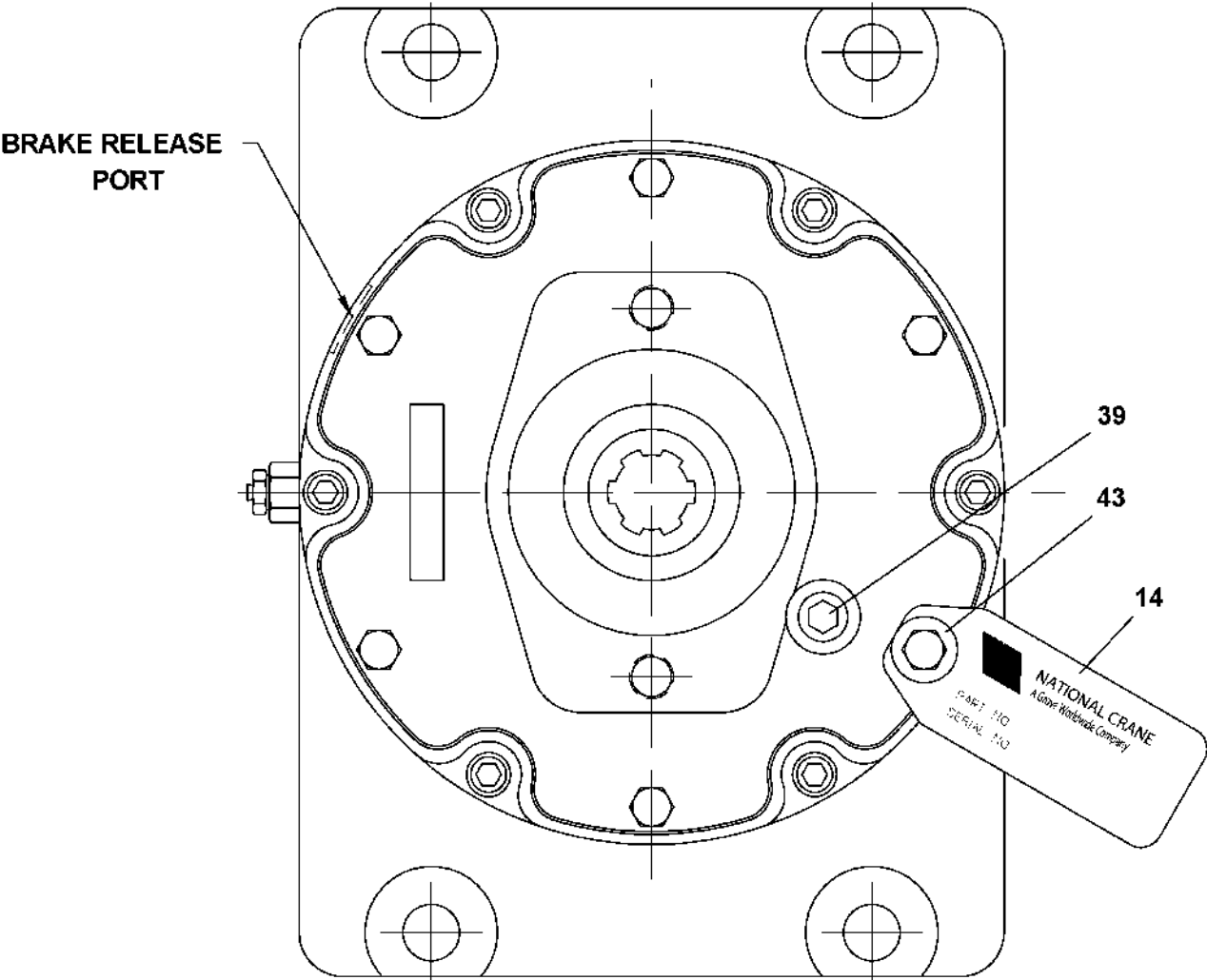
Manitowoc Crane Group



Manitowoc Crane Group

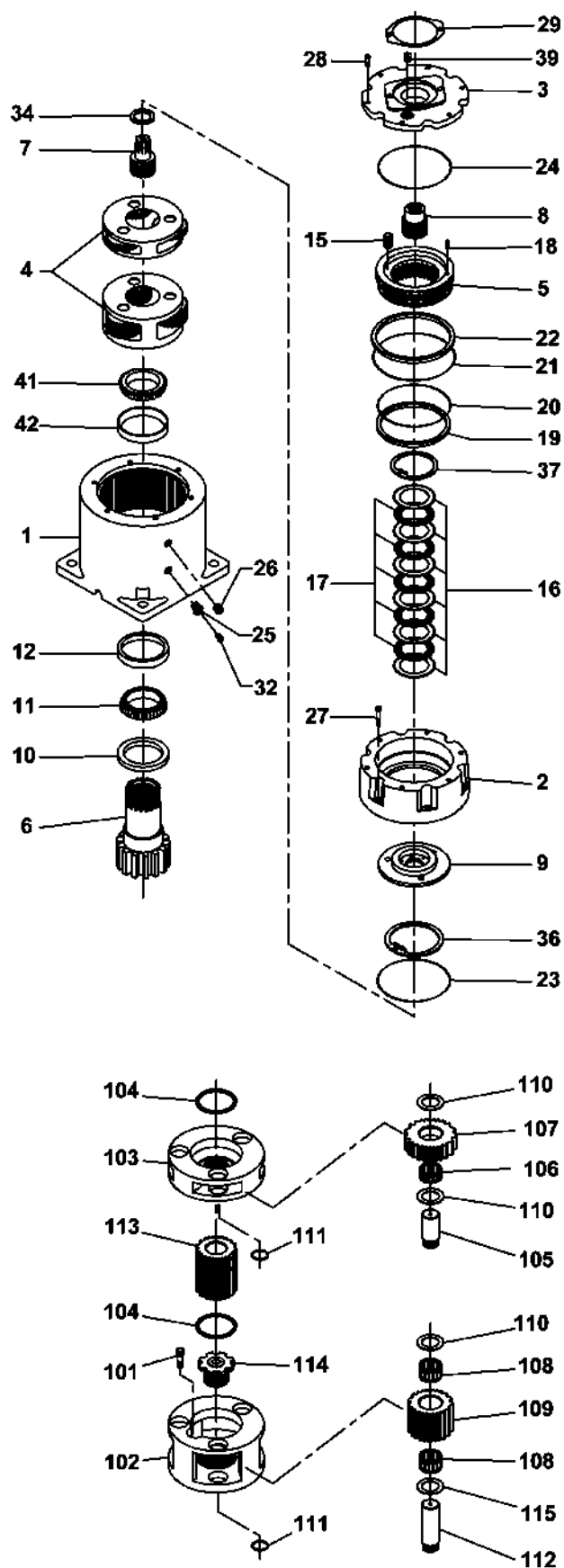
Description				Assembly No.
ROTATION GEARBOX MOUNTING				008128
				Revision: #
Item	FN	Part	Qty	Description
1		162605	4	SPACER
2	+	954400	1	BOX ASSEMBLY - SWING DRIVE GEAR COMPLETE ASSEMBLY
3		978502	4	HARDENED WASHER
4		7115201624	4	CAPSCREW - HEX HEAD
5		7447040403	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
6		7555101521	1	HOSE 1/4" X 15"
8	+	908579	1	MOTOR ASSEMBLY - ORBIT
9		7926100852	1	VALVE ASSEMBLY - HOLDING COMPLETE ASSEMBLY
10		7950150050	4	LOCKWASHER 5/16" I.D.
11		7115152850	4	CAP SCREW 5/16" -18 N.C. X 3 1/2" GRADE 5
12		7950180050	2	LOCKWASHER 1/2" I.D.
13		855147	2	CAPSCREW TORX
16		7447040401	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
19		208527	1	TURRET ASSY
23		7118263650	24	CAP SCREW 1" -8 N.C. X 4 1/2" GRADE 8
24		102082	1	ROTATION BEARING
25		208153	1	FRAME ASSY
29		7118261850	26	CAP SCREW
30		976081	50	HARDENED WASHER

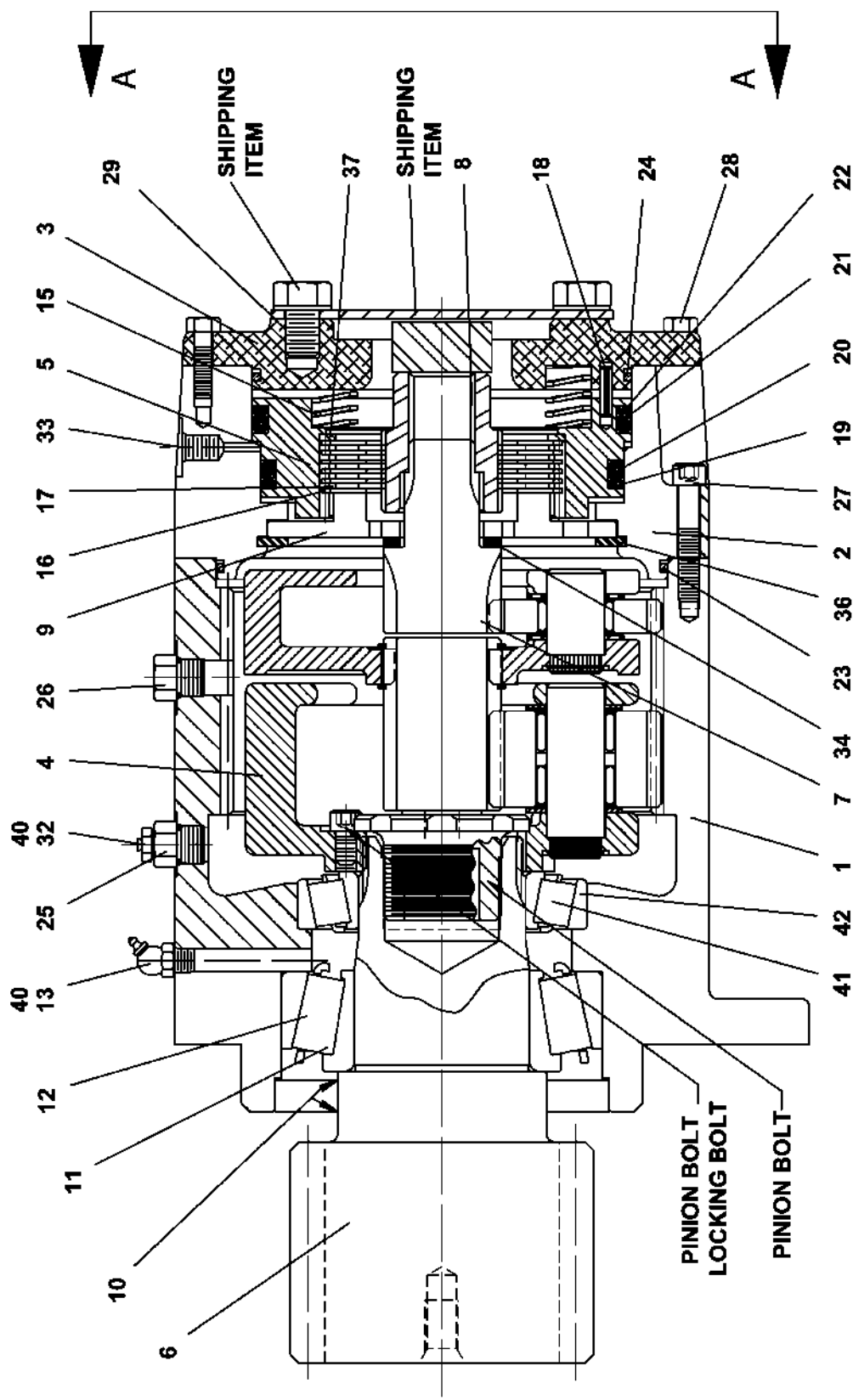
+ SEE FURTHER BREAKDOWN THIS GROUP



VIEW A-A

Manitowoc Crane Group





Manitowoc Crane Group

Description				Assembly No.
BOX ASSEMBLY - SWING DRIVE GEAR COMPLETE ASSEMBLY				954400
				Revision:
Item	FN	Part	Qty	Description
1		NSS	1	HOUSING, GEAR
2	@	NSS	1	HOUSING, BRAKE
3	@	954275	1	MOTOR ADAPTER
4		960868	1	PLANETARY GEARING INCLUDES ITEMS 101 THRU 115
5	@	960869	1	BRAKE, PISTON
6		9734101182	1	SHAFT, PINION OUTPUT
7		960871	1	GEAR,SUN
8	@	960872	1	GEAR,BRAKE DRIVER
9	@	960873	1	PLATE,THRUST
10	*	NSS	1	SEAL, OIL
11		954327	1	BEARING CONE
12		9576101048	1	CUP, BEARING
13		9734101183	1	FITTING, GREASE
14		NSS	1	PLATE, NAME
15	@	960964	8	SPRING
16	@	960879	6	STATOR PLATE
17	@	960325	5	FRICTION DISC
18	@	960881	1	ROLL PIN
19	*@	NSS	1	RING, BACK-UP
20	*@	NSS	1	O-RING
21	*@	NSS	1	O-RING
22	*@	NSS	1	RING, BACK-UP
23	*@	NSS	1	O-RING
24	*@	NSS	1	O-RING
25		954295	1	ADAPTER PLUG
26		954296	1	O'RING PLUG

@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Crane Group

Description

BOX ASSEMBLY - SWING DRIVE GEAR COMPLETE ASSEMBLY

Assembly No.

954400

Revision:

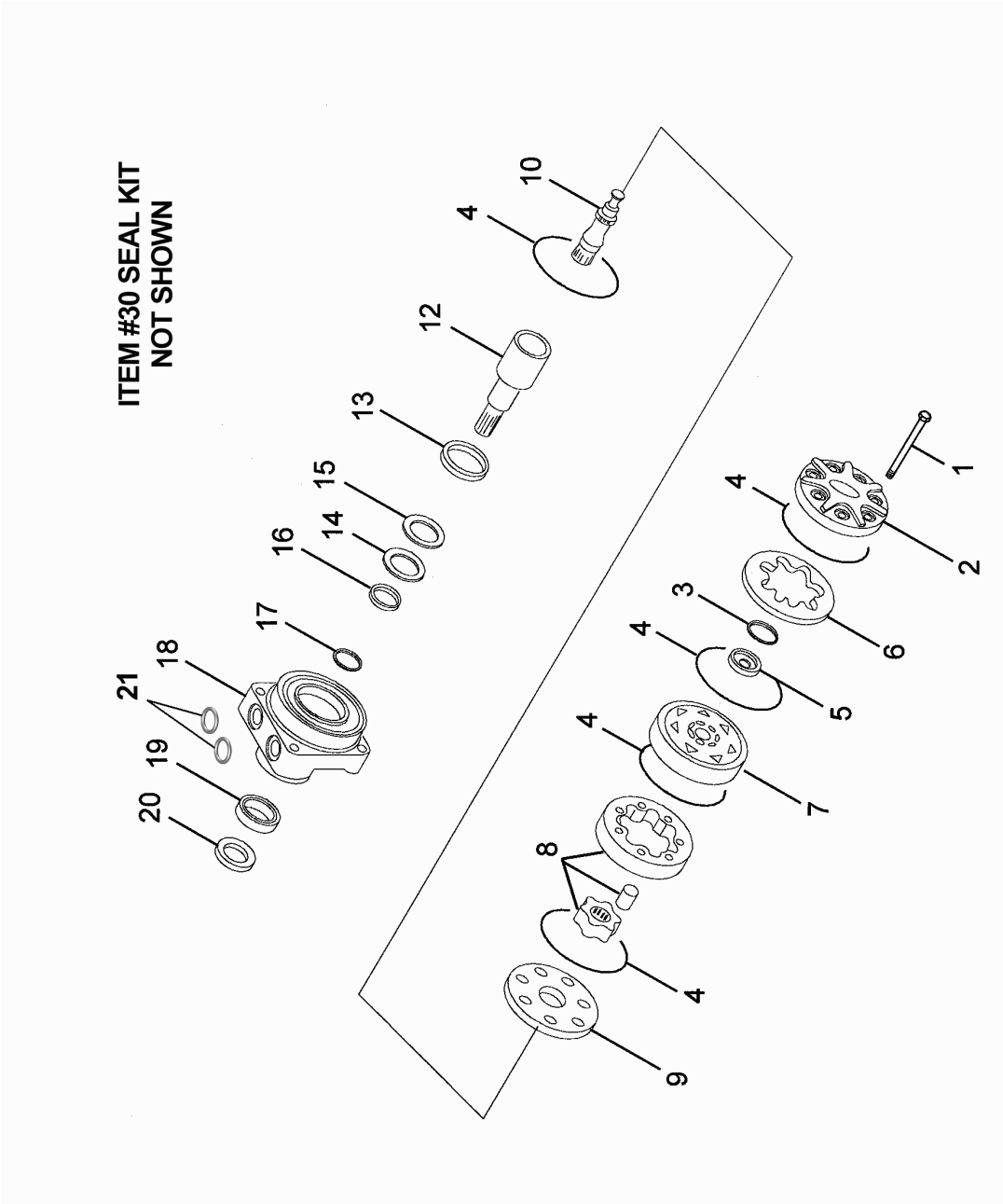
Item	FN	Part	Qty	Description
27		954297	6	CAPSCREW
28	@	960891	6	CAPSCREW,HEX
29	*@	NSS	1	
				GASKET
32	#	7304000115	1	BREATHER
33	@	9734101166	1	PLUG
34		960897	1	WASHER,THRUST
36		960899	1	RETAINING RING
37	@	960900	1	RETAINING RING
39		982058	1	O-RING PLUG
41		9734101053	1	CONE, BEARING
42		9734101054	1	CUP, BEARING
43		9734101184	1	WASHER
101		954036	1	BOLT-PINION LOCKING
102		NSS	1	
				HOUSING, CARRIER OUTPUT
103		NSS	1	
				HOUSING, CARRIER INPUT
104		954039	2	RING, RETAINING
105		954040	3	PIN PLANET
106		9734101094	3	BEARING
107		954042	3	GEAR PLANET INPUT
108		9734101096	6	BEARING
109		954044	3	GEAR, PLANET, SECONDARY
110		9734101098	9	WASHER
111		9734101099	6	RING, SNAP
112		9734101100	3	PIN
113		954048	1	GEAR, SUN, OUTPUT
114		954049	1	BOLT, PINION
115		9734101103	3	WASHER
120	@	9734101185	1	KIT, BRAKE ASSY.
121	*	9734101186	1	KIT, SEAL

@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT
SERVICED AS AN ASSEMBLY ONLY

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Crane Group

Notes



Manitowoc Crane Group

Description

MOTOR ASSEMBLY - ORBIT

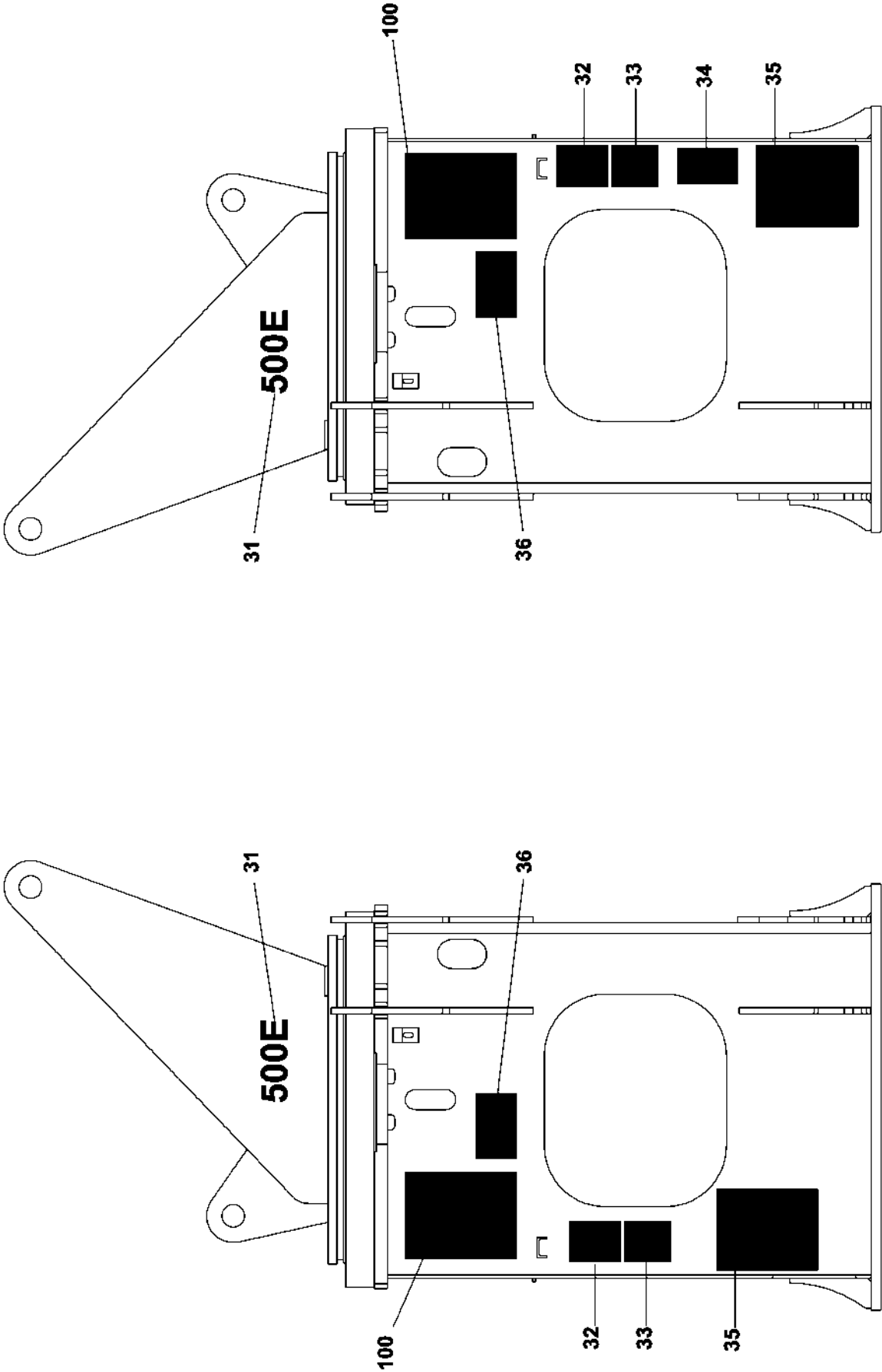
Assembly No.

908579

Revision:

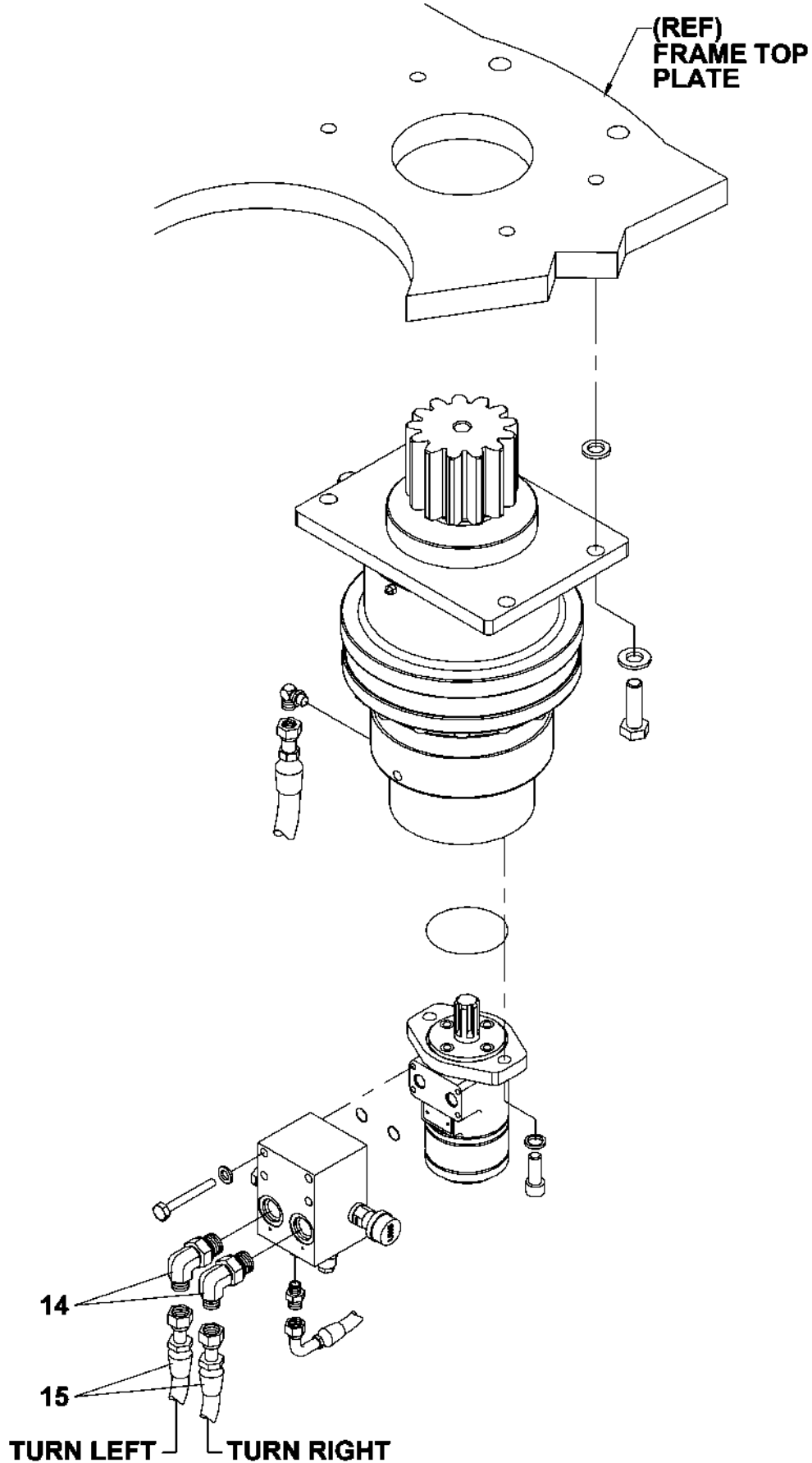
Item	FN	Part	Qty	Description
1		9632103236	5	CAP SCREW
2		9632103237	1	COVER, END
3	*	NSS	1	RING, SEAL
4	*	NSS	5	RING, SEAL
5		9632102999	1	COMMUTATOR INCLUDES ITEM 6
6		NSS	1	RING, COMMUTATOR
7		9632102998	1	MANIFOLD
8		9632103240	1	ROTOR ASSEMBLY
9		9632102995	1	PLATE, WEAR
10		9632103241	1	LINK, DRIVE
12		9632102993	1	SHAFT, COUPLING
13		9632103243	1	BUSHING, BRONZE
14		9632103003	1	WASHER, THRUST
15		9632102992	1	BEARING, THRUST
16	*	NSS	1	SEAL, SHAFT
17	*	NSS	1	RING, BACK-UP
18		NSS	1	HOUSING
19		9632103244	1	BEARING
20	*	NSS	1	SEAL
21		9632103288	2	O-RING
30	*	9632103005	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

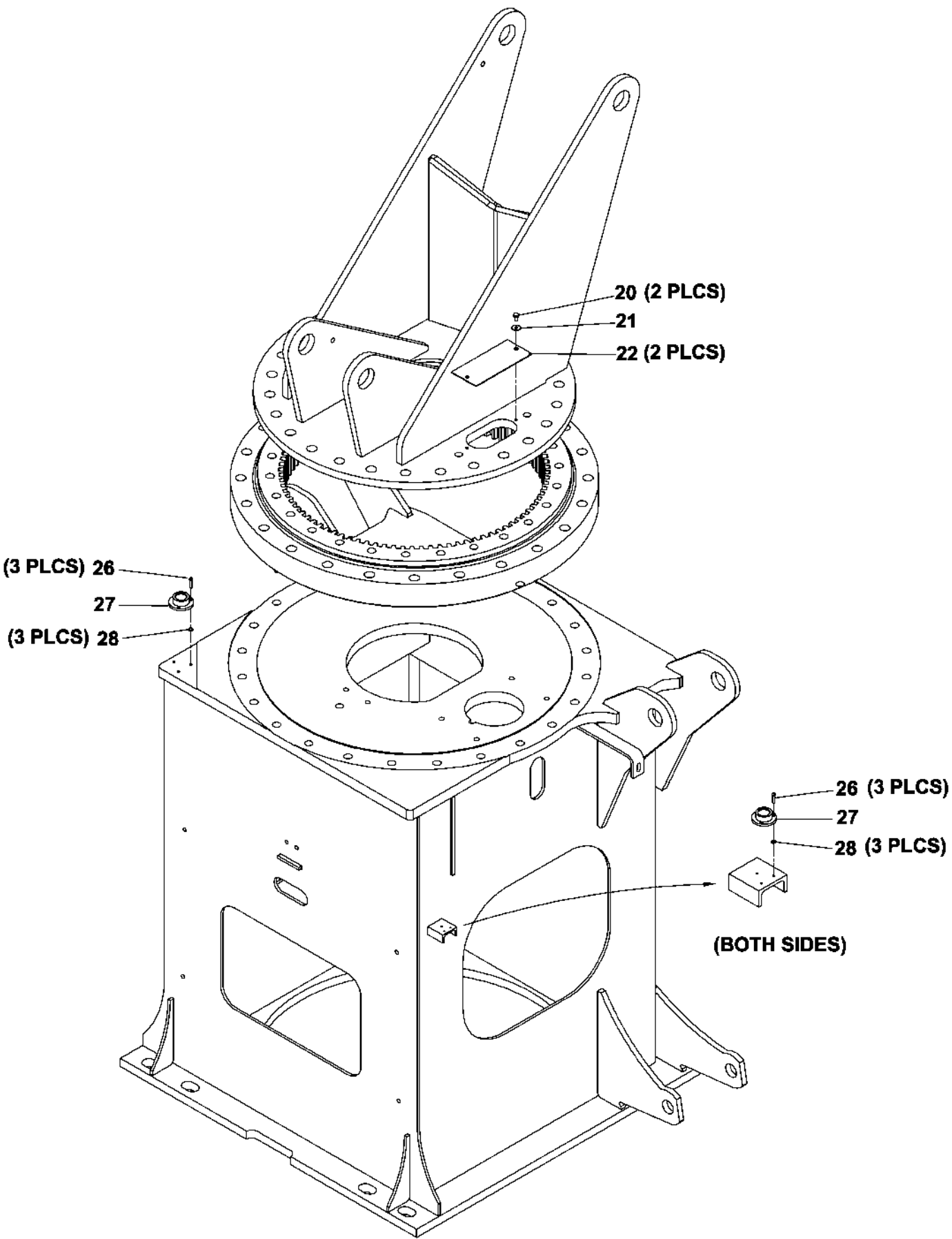


NOTES:
1. REFER TO CRANE ORDER FOR CAPACITY CHART NUMBER.

Manitowoc Crane Group



Manitowoc Crane Group



Manitowoc Crane Group

Description

DECAL LOCATION - FRAME GROUP

Assembly No.

008054

Revision: **B**

Item	FN	Part	Qty	Description
14		7447061003	2	FITTING, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755910002	1	O-RING
15		7555206513	2	HOSE ASSY
20		7115150450	2	CAP SCREW 5/16" -18 N.C. X 1/2" GRADE 5
21		7950150161	2	FLATWASHER 5/1" I.D.
22		172744	1	PLATE
26		855003	9	CAPSCREW
27		893000	3	LEVEL
28		7195000039	6	BUMPER, RUBBER
31		878142	2	DECAL-500E SEE DWG 208188 FOR LOCATION
32		875894	2	DECAL - DANGER FAILURE TO OBEY
33		875898	2	DECAL - DANGER FAILURE TO OBEY
34		874877	2	PLATE, SERIAL NUMBER
35		875908	2	DECAL-DNGR-A2B/ELEC/OPER HAZ
36		875895	2	DECAL - DANGER FAILURE TO OBEY
100		NPN	2	NO PART NUMBER CAPACITY CHART - REFER TO CRANE ORDER FOR PART NUMBER

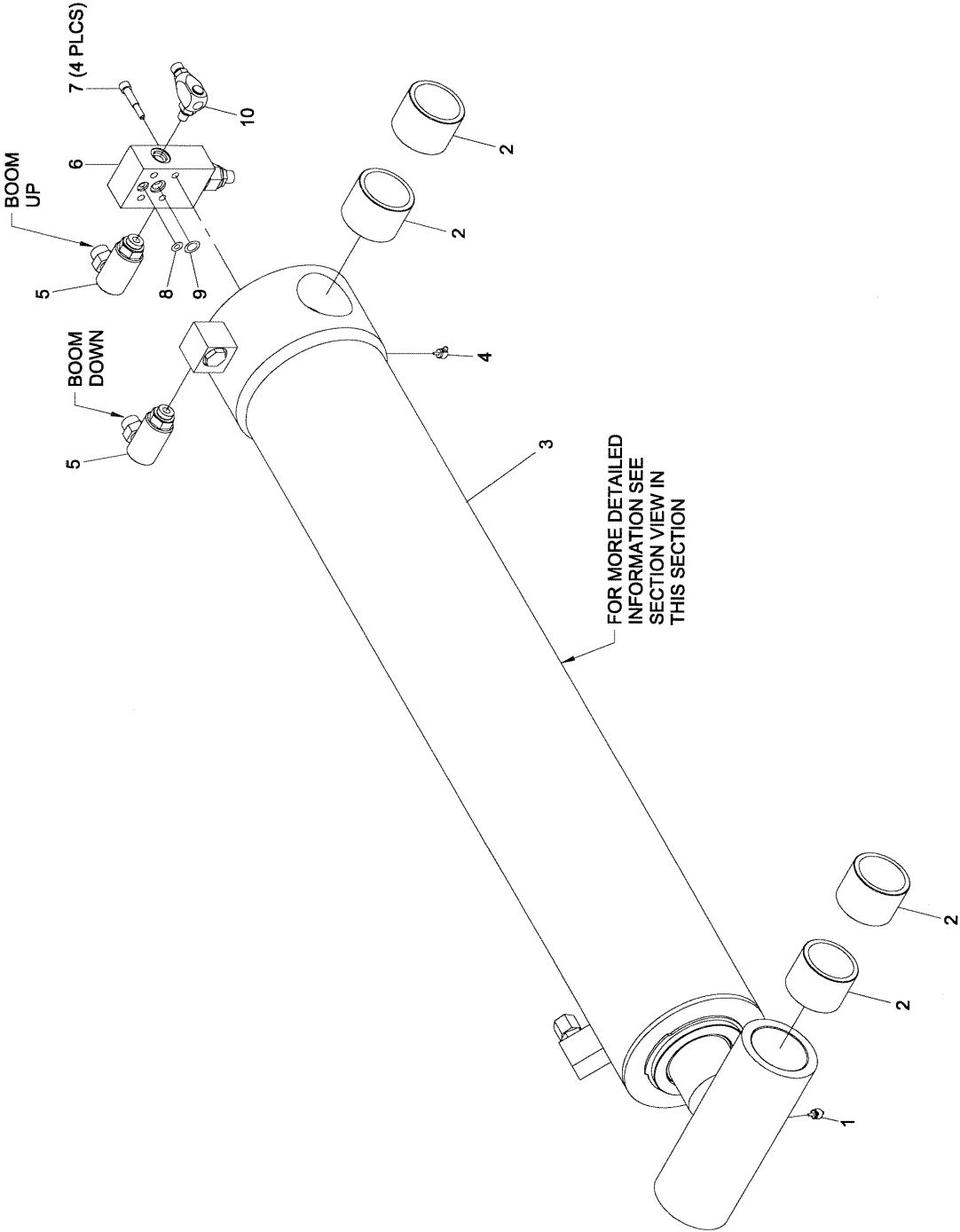
Manitowoc Crane Group

Notes

Manitowoc Crane Group

Description LIFT CYLINDER GROUP 5/600E				Assembly No. 995001464 Revision: #
Item	FN	Part	Qty	Description
20		818841	1	LIFT CYLINDER GROUP

LIFT CYLINDER GROUP



9/12/03

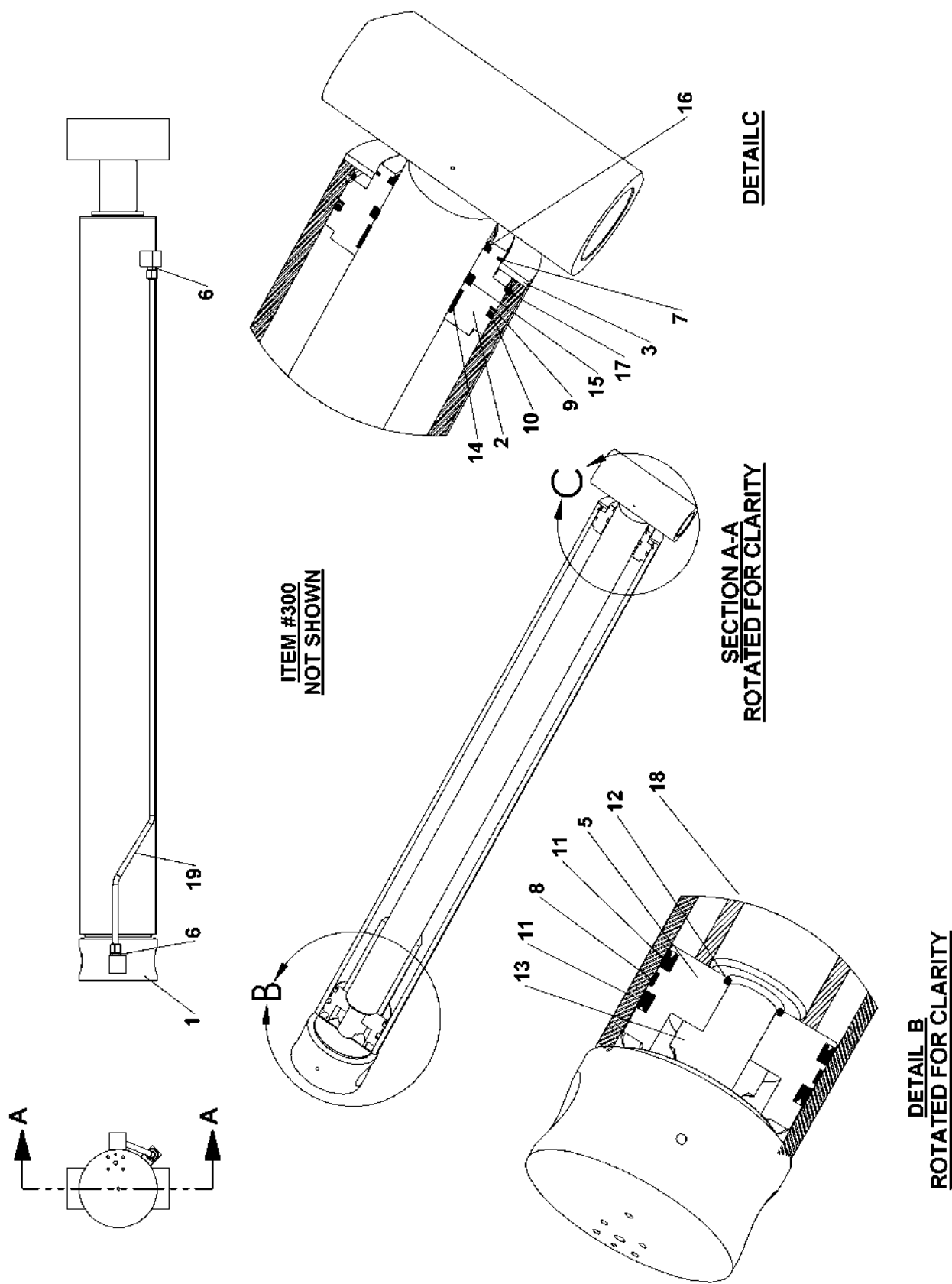
995001464

PAGE 818969

Manitowoc Crane Group

Description LIFT CYLINDER GROUP				Assembly No. 818841 Revision:
Item	FN	Part	Qty	Description
1	+	917000	1	FITTING, STRAIGHT GREASE
2		105026	4	BEARING-GARLOCK
3		125314	1	CYLINDER ASSEMBLY - LIFT COMPLETE ASSEMBLY
4		917007	1	ZERK-90 DEGREES
6		975253	1	HOLDING VALVE INCLUDES THE FOLLOWING PARTS
		9926112912	1	KIT, O-RING
7		864488	4	CAPSCREW TORX
8		944007	1	O-RING
9		944010	1	O RING
10		897309	1	ORS FTG 90DEG ORB SWIVEL
11		7364001705	2	JOINT, SWIVEL INCLUDES THE FOLLOWING PARTS
		890956	1	SWIVEL SEAL KIT SP
12		7364002837	1	FITTING, SWIVEL
13		7447040603	1	FITTING, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
14		975265	1	FEMALE ADAPTER

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Crane Group

Description

CYLINDER ASSEMBLY - LIFT COMPLETE ASSEMBLY

Assembly No.

125314

Revision: **C**

Item	FN	Part	Qty	Description
1		125316	1	BARREL ASSY
2		125318	1	PACKING GLAND
3		125319	1	WASHER
4		125320	1	SHAFT ASSY
5		125279	1	PISTON
6		7447080801	2	ADAPTER, STRAIGHT
				INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
7		866205	1	SNAP RING
8	*	104143	1	WEAR RING
9	*	7755435609	1	RING, BACK-UP
10	*	944062	1	O-RING
11	*	945295	2	PISTON SEAL
12	*	7754000180	1	O-RING, LOW TEMPERATURE
13		846535	1	LOCKNUT
14	*	104020	2	WEAR-RING
15	*	945190	1	ROD SEAL
16	*	946512	1	ROD WIPER
17		866094	1	RETAINING RING
18		125322	1	STOP TUBE
19		125529	1	TUBE ASSY
300	*	7373100050	1	CYL SEAL KIT

* REPAIR KIT AND/OR PART OF KIT

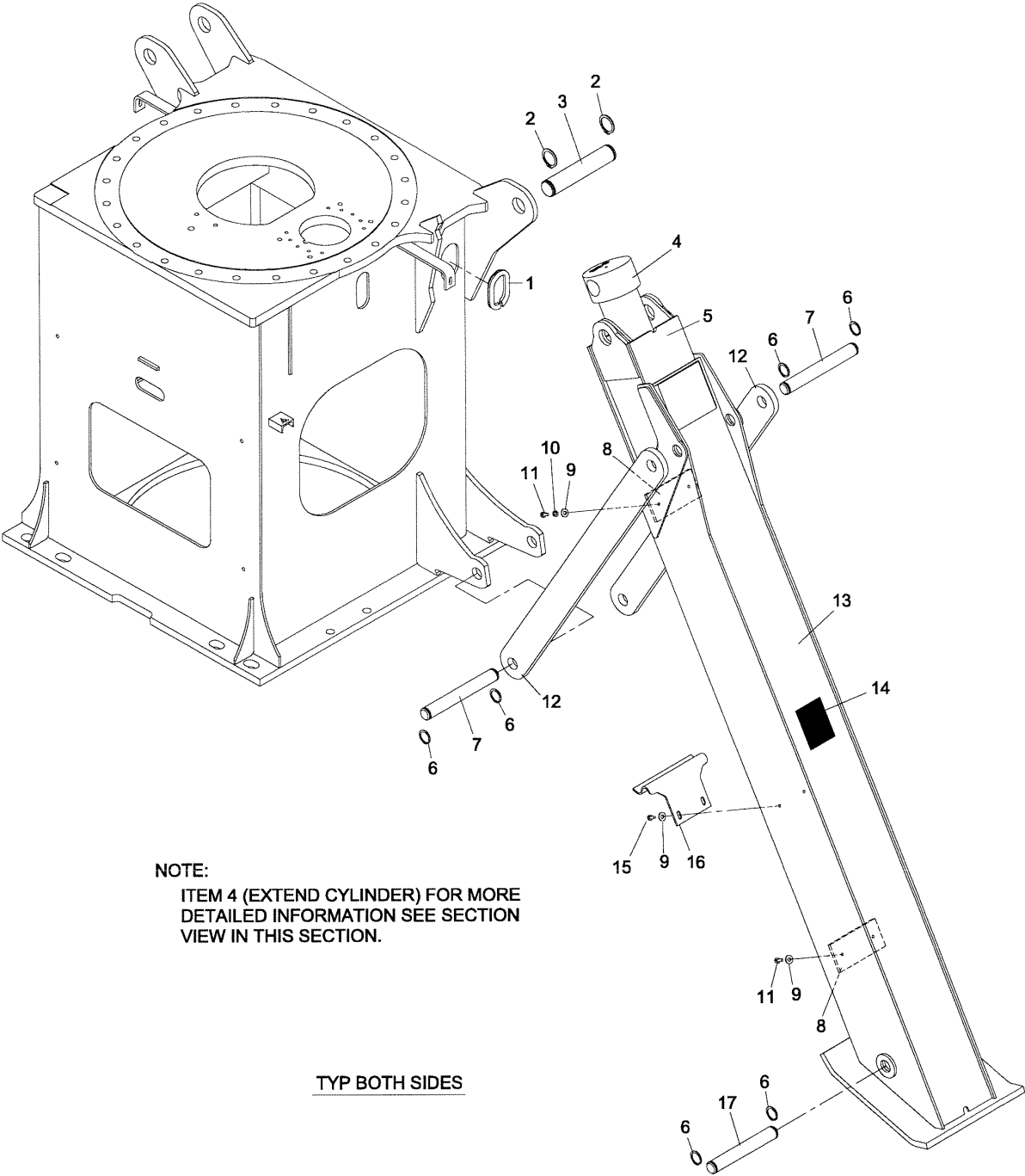
Manitowoc Crane Group

Notes

Manitowoc Crane Group

<u>Description</u> OUTRIGGER GROUP 500E				<u>Assembly No.</u> 995001480 Revision: #
Item	FN	Part	Qty	Description
20		818845	1	OUTRIGGER GROUP
40		818847	1	EXTEND CYLINDER
60		814488	1	OUTRIGGER HYDRAULICS

OUTRIGGER GROUP



NOTE:
ITEM 4 (EXTEND CYLINDER) FOR MORE
DETAILED INFORMATION SEE SECTION
VIEW IN THIS SECTION.

TYP BOTH SIDES

8/25/03
12/09/03

995001480

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Manitowoc Crane Group

Description

OUTRIGGER GROUP

Assembly No.

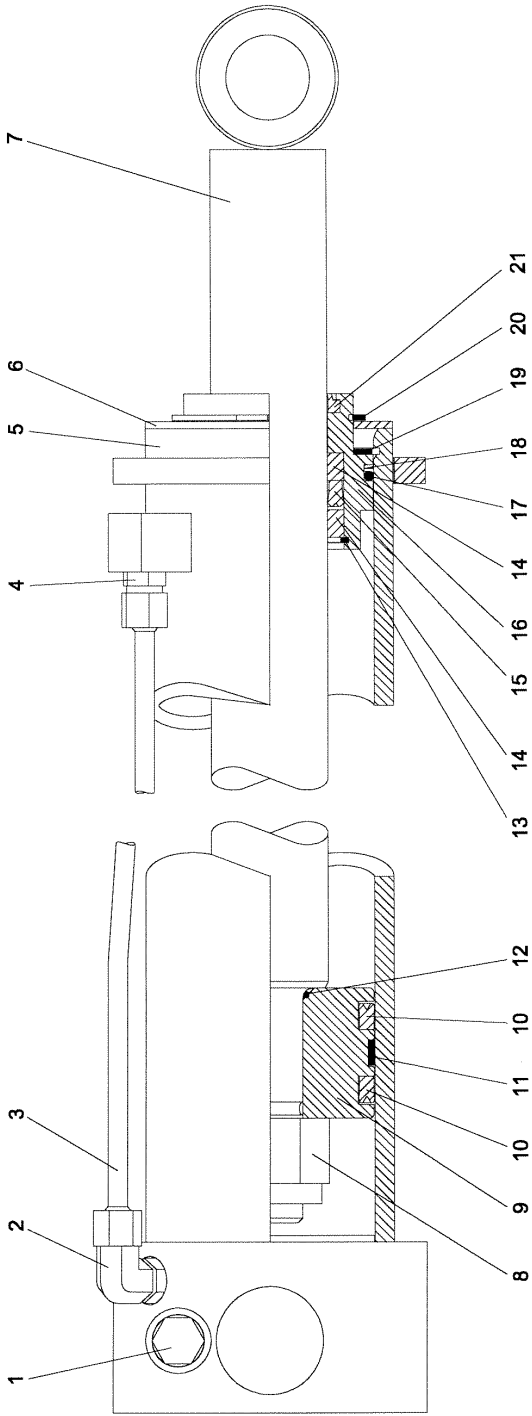
818845

Revision: #

Item	FN	Part	Qty	Description
1		200547	2	HOSE PROTECTOR
2		866710	4	SNAP RING
3		851321	2	PIN
4		125327	2	CYLINDER ASSY
5		205456	2	UPPER O/R ASSY
6		866722	8	SNAP RING
7		851632	4	PIN
8		173849	4	WEAR PAD
9		7950160161	12	FLATWASHER 3/8" I.D.
10		7950160050	4	LOCKWASHER 3/8" I.D.
11		7115160650	8	CAP SCREW 3/8" - 16 N.C. X 3/4" GRADE 5
12		208180	4	LINK
13		208173	2	LOWER OUTRIGGER ASSY 500E
14		875893	2	DECAL - DANGER OUTRIGGER CRUSHING INJURY
15		7118160650	4	HEX CAP SCREW
16		208181	2	LATCH
17		851633	2	PIN

**OUTRIGGER GROUP
(EXTEND CYLINDER)**

125327



8/25/03

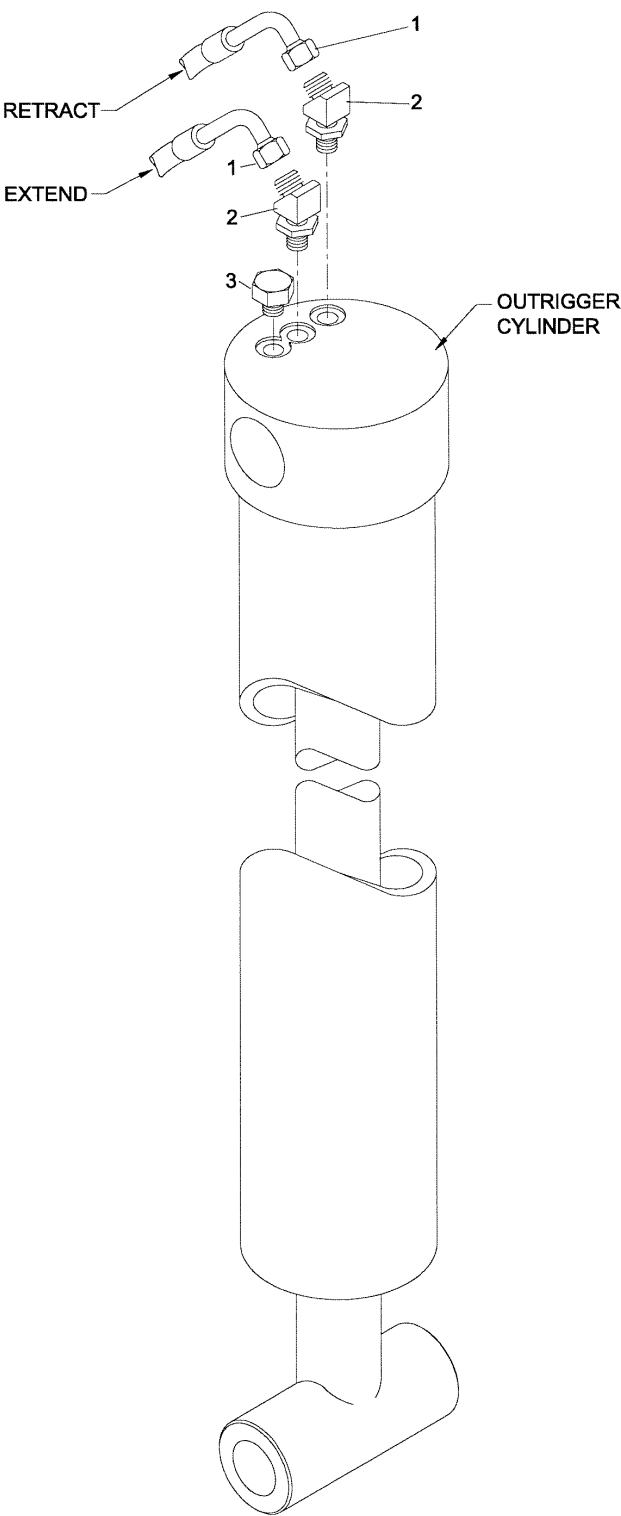
995001480

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Manitowoc Crane Group

Description EXTEND CYLINDER				Assembly No. 818847 Revision:
Item	FN	Part	Qty	Description
1		972970	1	CARTRIDGE VALVE
2		7447060603	1	ELBOW, 90 DEGREE
		7755012002	1	INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
3		125332	1	O-RING
4		125332	1	TUBE ASSY
		7447060601	1	ADAPTER, STRAIGHT MALE
				Included in Packing Kit 124630
		7755012002	1	INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
5		125328	1	O-RING
6		124534	1	BARREL ASSY
7		125330	1	WASHER
8		846549	1	SHAFT ASSY
9		124531	1	LOCKNUT
10		945282	1	Included in Packing Kit 124630
11		945168	2	PISTON
12		944022	2	PISTON SEAL
13		866054	1	Included in Packing Kit 124630
14		104115	1	WEAR RING
15		946040	1	Included in Packing Kit 124630
16		124530	1	O RING COLD WEATHER
17		944044	1	Included in Packing Kit 124630
18		944344	1	SNAP RING
19		866072	1	Included in Packing Kit 124630
20		866190	2	BEARING ROD
21		946523	1	Included in Packing Kit 124630
			1	ROD SEAL
			1	Included in Packing Kit 124630
			1	PACKING GLAND
			1	O-RING
			1	Included in Packing Kit 124630
			1	BACK-UP RING
			1	Included in Packing Kit 124630
			1	SNAP RING
			1	Included in Packing Kit 124630
			1	SNAP RING
			1	Included in Packing Kit 124630
			1	ROD WIPER
			1	Included in Packing Kit 124630

OUTRIGGER GROUP
(OUTRIGGER HYDRAULIC)



11/10/99

995000466 995000834
995001480 995001707

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Manitowoc Crane Group

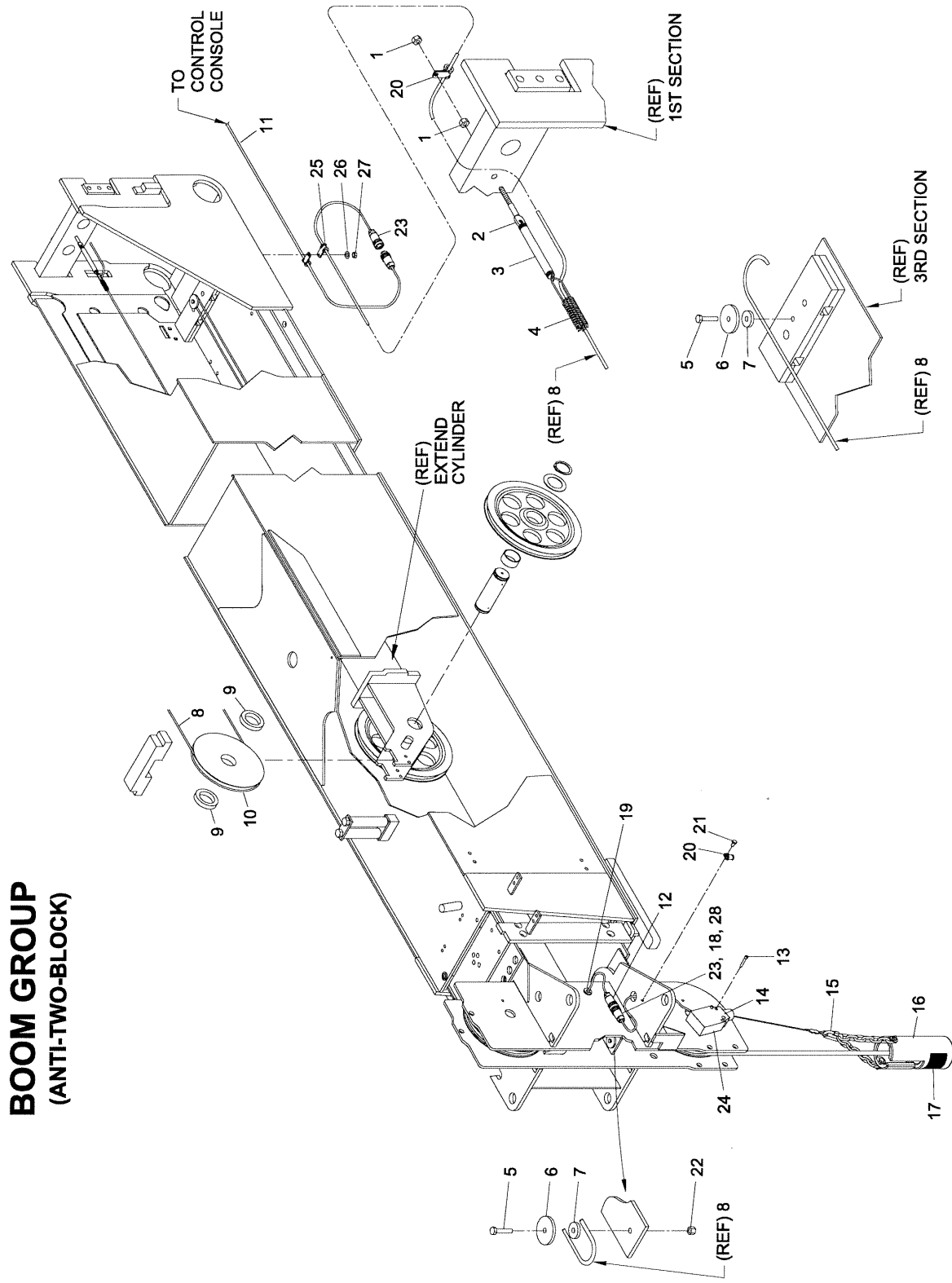
Description OUTRIGGER HYDRAULICS				Assembly No. 814488 Revision:
Item	FN	Part	Qty	Description
1		7555208921	4	HOSE 3/8" X 89"
2		7447060608	4	ELBOW, 45 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
3		888354	2	FTG PLUG O RING 418

Manitowoc Crane Group

Notes

Manitowoc Crane Group

<u>Description</u> ATB BOOM 3-SECTION GRP 5/600D				<u>Assembly No.</u> 995001312 Revision: #
Item	FN	Part	Qty	Description
20		818227	1	ANTI-TWO-BLOCK



BOOM GROUP
(ANTI-TWO-BLOCK)

12/19/02

995001312

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Manitowoc Crane Group

Description ANTI-TWO-BLOCK				Assembly No. 818227 Revision:
Item	FN	Part	Qty	Description
1		7660150030	2	NUT, HEX 5/16" -24 N.F.
2		864329	1	SPADE BOLT
3		953005	1	SPRING-TENSION
4		144655	1	BUS DROP GRIP
5		7115141050	2	CAP SCREW 1/4" -20 N.C. X 1 1/4" GRADE 5
6		203975	2	PLATE
7		203988	2	PLATE
8		147407	1	CORD
9		206924	2	SPACER
10		950091	1	SHEAVE
11		147408	1	CORD ASSY
12		147148	1	CONNECTOR-MALE
13		855088	2	CAPSCREW TORX
14		147151	1	SWITCH ASSY
15		939068	1	QUICK LINK
16		204338	1	A2B WEIGHT ASSY
17		876996	1	DECAL - RIG SUPPORTING CHAIN
18		147150	1	STRAIN RELIEF Installation Drawing 206282
19		146397	1	GROMMET, RUBBER -SPLIT-
20		146635	2	CUSHIONED CLAMP
21		7115150450	1	CAP SCREW 5/16" -18 N.C. X 1/2" GRADE 5
22		846561	1	LOCKNUT
23		147147	2	CONNECTOR-FEMALE Installation Drawing 206282
24		144987	1	SWITCH ASSY
25		143788	2	CUSHIONED CLAMP
26		7950140050	1	LOCKWASHER 1/4" I.D.
27		7660140000	1	NUT, HEX 1/4" -20 N.C.
28		944234	1	O-RING

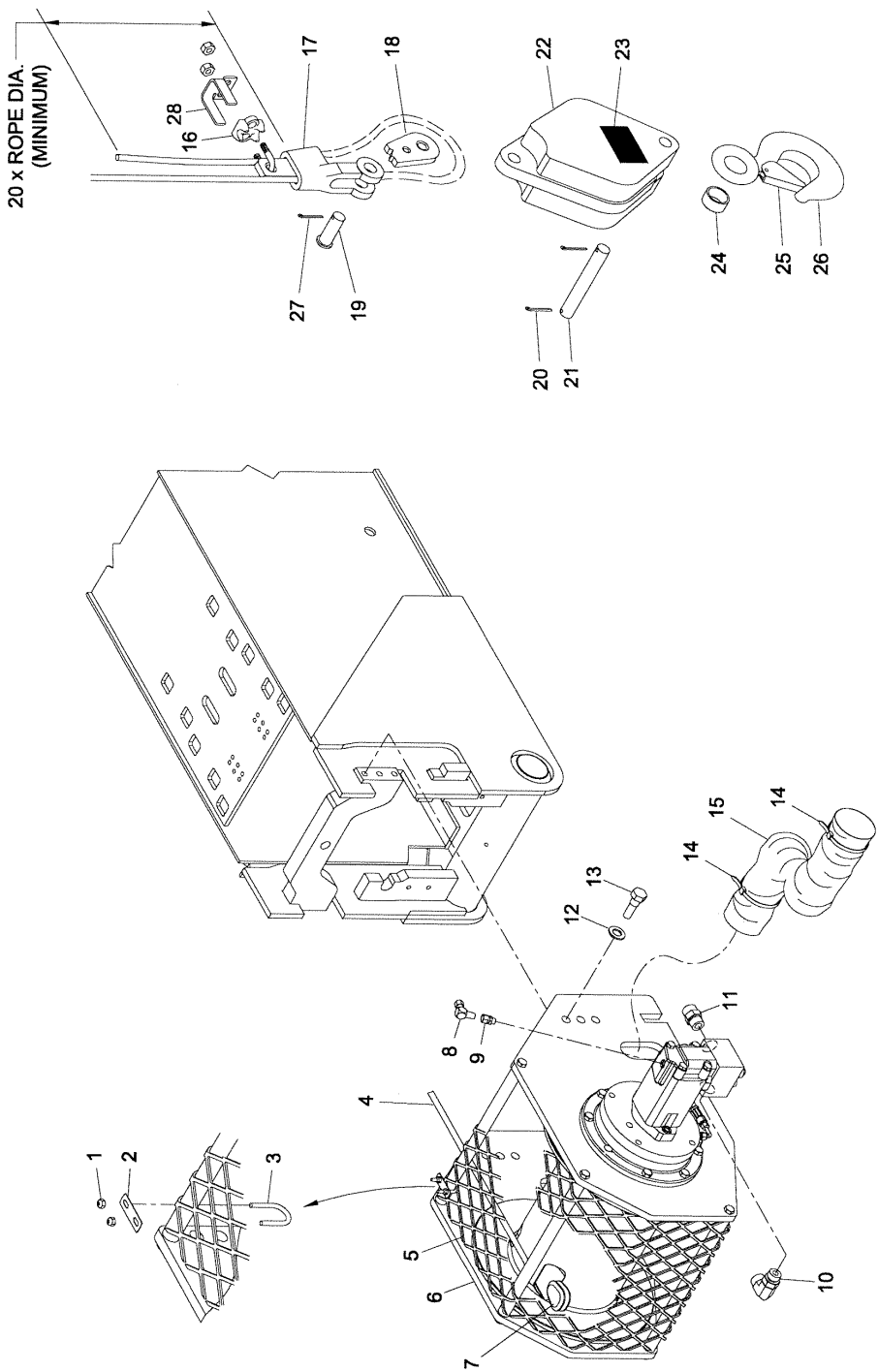
Manitowoc Crane Group

Notes

Manitowoc Crane Group

<u>Description</u> WINCH GRP 600D/800D				<u>Assembly No.</u> 995001272 Revision: #
Item	FN	Part	Qty	Description
20		817926	1	WINCH MOUNTING
40		817928	1	WINCH MOUNTING

LOADLINE GROUP
(WINCH MOUNTING)



1/11/02

995000996 995001272

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Manitowoc Crane Group

Description WINCH MOUNTING				Assembly No. 817926 Revision:
Item	FN	Part	Qty	Description
1		846531	4	SELF-LOCKING NUT
2		152935	2	PLATE
3		864486	2	U-BOLT
4		941345	1	9/16" X 325' CABLE ASSY (MS98)
5		203922	1	WINCH COVER
6		982108	1	WINCH
7		981373	1	CABLE WEDGE
8		888141	1	FTG 90 DEG SWIVEL 314
9		7445040403	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
10		7447121203	1	ELBOW, 90 DEGREE Included in Winch Package. INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
11		7447121201	1	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
12		978013	6	HARDENED WASHER
13		7118201250	6	CAP SCREW 5/8" -11 N.C. X 1 1/2" GRADE 8
14		840000	2	WIRE TIE
15		900038	1	NYLON ABRASION SLEEVE
16		843427	1	CABLE CLAMP Included in 942421 Socket Grou
17		942125	1	BASKET-OPEN WEDGE SOCKET Included in 942421 Socket Grou
18		942420	1	WEDGE 5/8" Included in 942421 Socket Grou
19		942127	1	PIN W/COTTER PIN Included in 942421 Socket Grou
20		7690103210	2	PIN, COTTER 3/16" X 2" Included in 942288 Hook Weight
21		850851	1	PIN Included in 942288 Hook Weight

Manitowoc Crane Group

Description

WINCH MOUNTING

Assembly No.

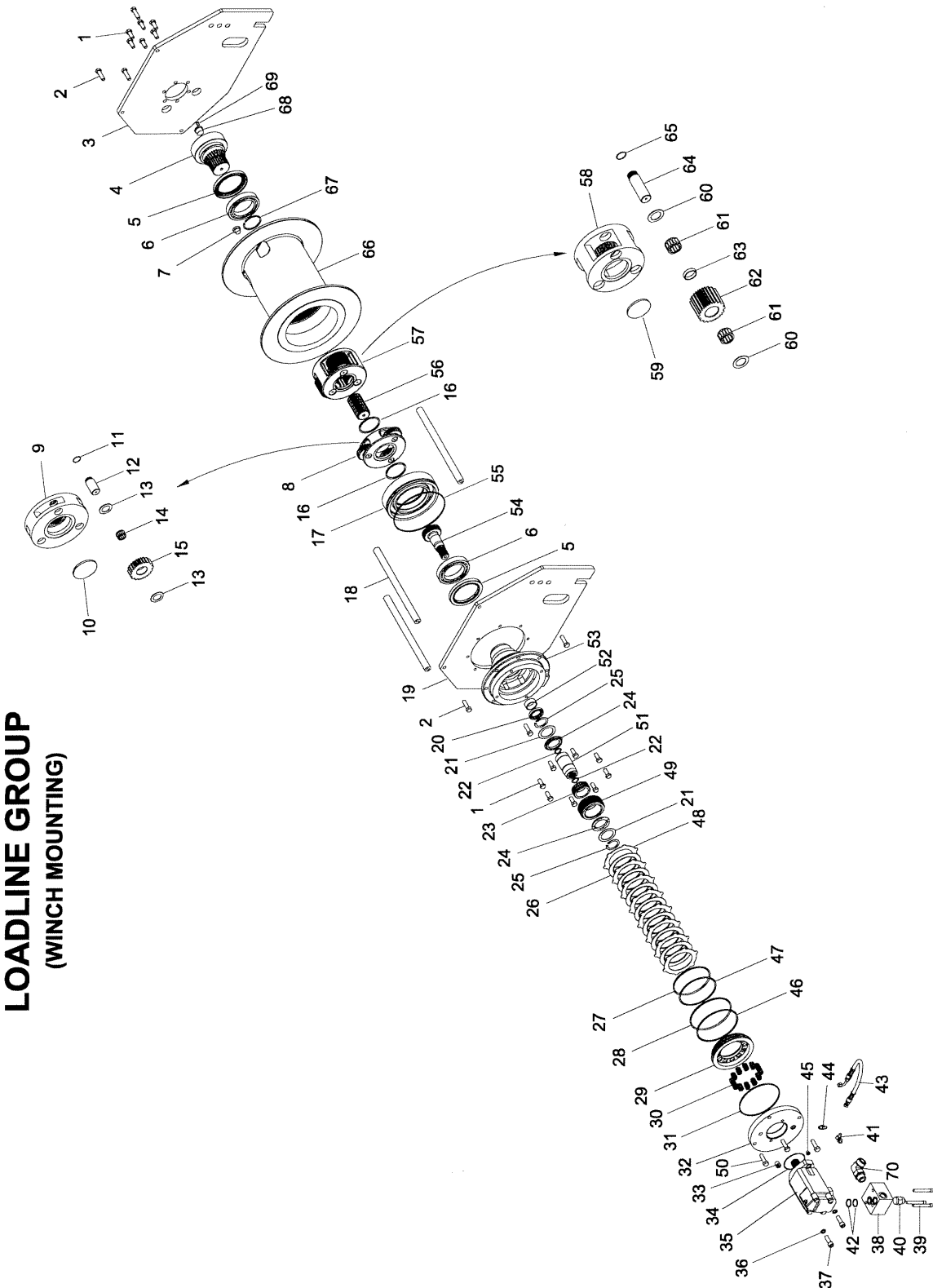
817926

Revision:

Item	FN	Part	Qty	Description
22		169441	1	LINE WT ASSY Included in 942288 Hook Weight
23		875357	1	PANEL-WGT & CAP-150/8400 Included in 942288 Hook Weight
24		180173	1	SPACER Included in 942288 Hook Weight
25		942332	1	LATCH Included in 942288 Hook Weight
26		942285	1	HOOK W/LATCH Included in 942288 Hook Weight
27		7690143210	1	PIN, COTTER 1/4" X 2"
28		205570	1	ATB BRACKET

Manitowoc Crane Group

Notes



LOADLINE GROUP
(WINCH MOUNTING)

02/14/01
01/15/02

995000692 995000782 995000996 995001407
995000997 995001272 995001273 995001721

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Manitowoc Crane Group

Description WINCH MOUNTING				Assembly No. 817928 Revision:
Item	FN	Part	Qty	Description
1		981380	14	CAPSCREW
2		981696	6	CAPSCREW
3		982110	1	SIDE PLATE
4		981865	1	SHAFT
5		981396	2	SEAL, OIL
6		981399	2	BEARING
7		981403	1	PLUG, O'RING
8		981406	1	INPUT GEAR SET
9		981413	1	CARRIER INPUT
10		954099	1	PLATE
11		954107	3	RETAINING RING
12		954108	3	PLANET PIN
13		954109	6	RACE
14		954110	3	NEEDLE BEARING
15		981414	3	GEAR, INPUT
16		981377	2	RACE
17		981397	1	CARRIER, BEARING
18		981695	3	SUPPORT ROD
19		982111	1	SIDE PLATE
20		981552	1	SEAL, OIL
21		981385	2	RACE
22		954066	2	RETAINING RING
23		981404	1	CLUTCH
24		981388	2	BUSHING
25		981386	2	SNAP RING
26		954114	7	FRICTION DISC
27		954072	1	O'RING
28		954074	1	O RING
29		981845	1	BRAKE PISTON
30		981858	12	BRAKE SPRING
31		960886	1	O-RING
32		981391	1	COVER, BRAKE
33		981337	1	BREATHER
34	*	981405	1	O'RING Included in Winch Seal Kit 982

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Crane Group

Description WINCH MOUNTING				Assembly No. 817928 Revision:
Item	FN	Part	Qty	Description
35	@	982103	1	HYD. MOTOR Included in Motor Kit 982143.
36		982074	2	HI-COLLAR LOCKWASHER
37		982073	2	SOCKETHEAD CAPSCREW
38	@	982142	1	VALVE BODY Included in Motor Kit 982143.
39	@	982064	3	CAPSCREW Included in Motor Kit 982143.
40	@	982062	1	COUNTERBALANCE VALVE Included in Motor Kit 982143.
41		981562	1	ELBOW
42	@	982066	2	O-RING Included in Motor Kit 982143.
43		981564	1	HOSE ASSEMBLY
44		981580	1	ADAPTER STRAIGHT
45		982058	1	O-RING PLUG
46		981547	1	RING, BACKUP
47		954071	1	BACK UP RING
48		954069	8	STATOR PLATE
49		981848	1	BRAKE DRIVER
50		981382	4	SCREW
51		982056	1	BRAKE DRIVER
52		981409	1	BUSHING
53		982032	1	BRAKE HOUSING
54		981379	1	INPUT SUN GEAR
55	*	981398	1	O'RING Included in Winch Seal Kit 982
56		981387	1	OUTPUT SUN GEAR
57		981375	1	OUTPUT GEAR SET
58		981420	1	CARRIER, OUTPUT
59		954099	1	PLATE
60		954102	6	RACE
61		954103	6	BEARING
62		981421	3	GEAR, OUTPUT
63		954104	3	SPACER
64		954101	3	PLANET PIN

@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Crane Group

Description
WINCH MOUNTING

Assembly No.
817928
Revision:

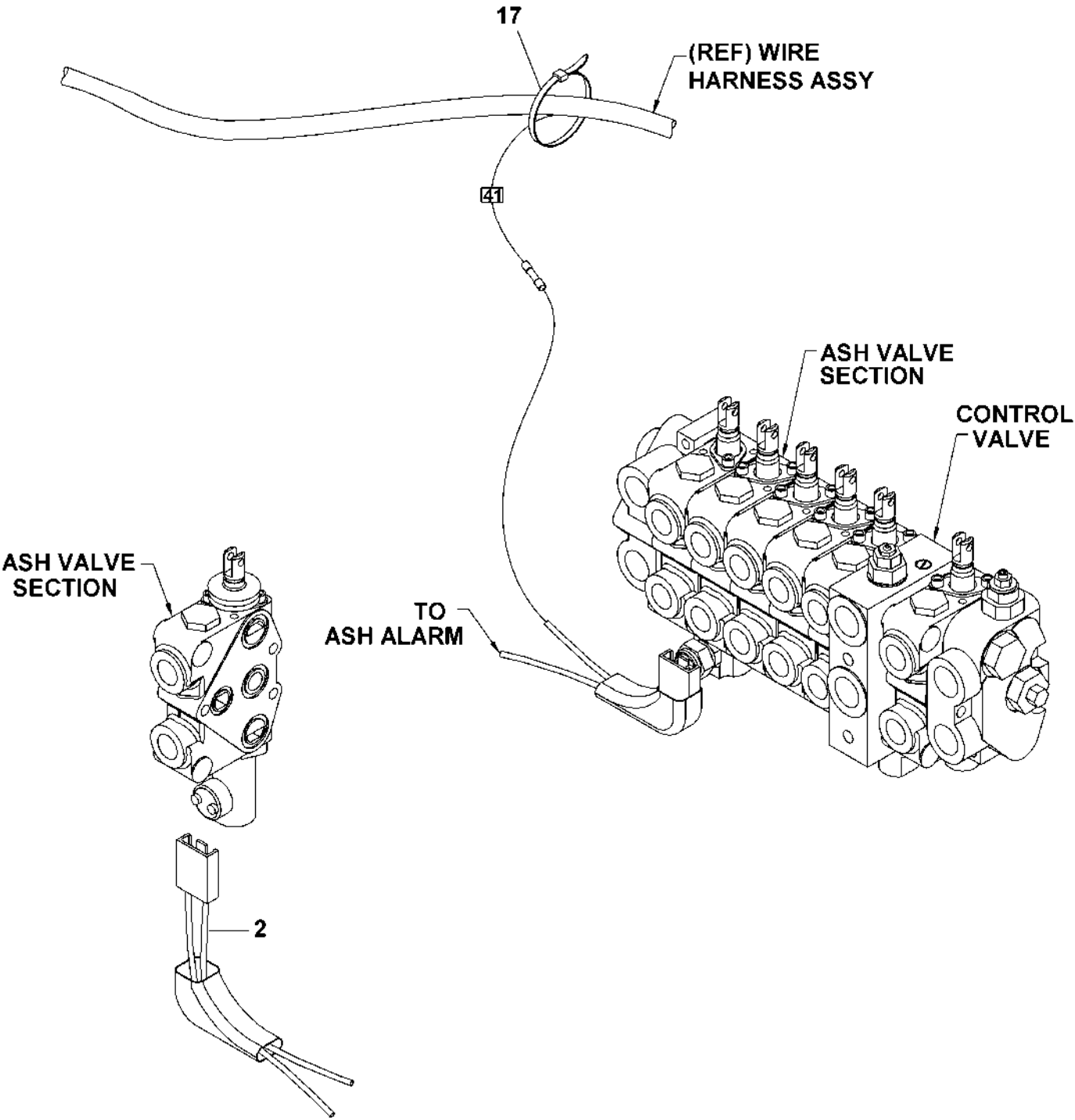
Item	FN	Part	Qty	Description
65		954100	3	RETAINING RING
66		981376	1	DRUM, HOUSING
67		981374	1	SNAP RING
68		981401	1	PLUG, O'RING
69		980662	1	BREATHER
70		982075	1	90DEG. ADAPTER
80	*	982154	1	SEAL KIT
90	@	982143	1	MOTOR KIT

* REPAIR KIT AND/OR PART OF KIT

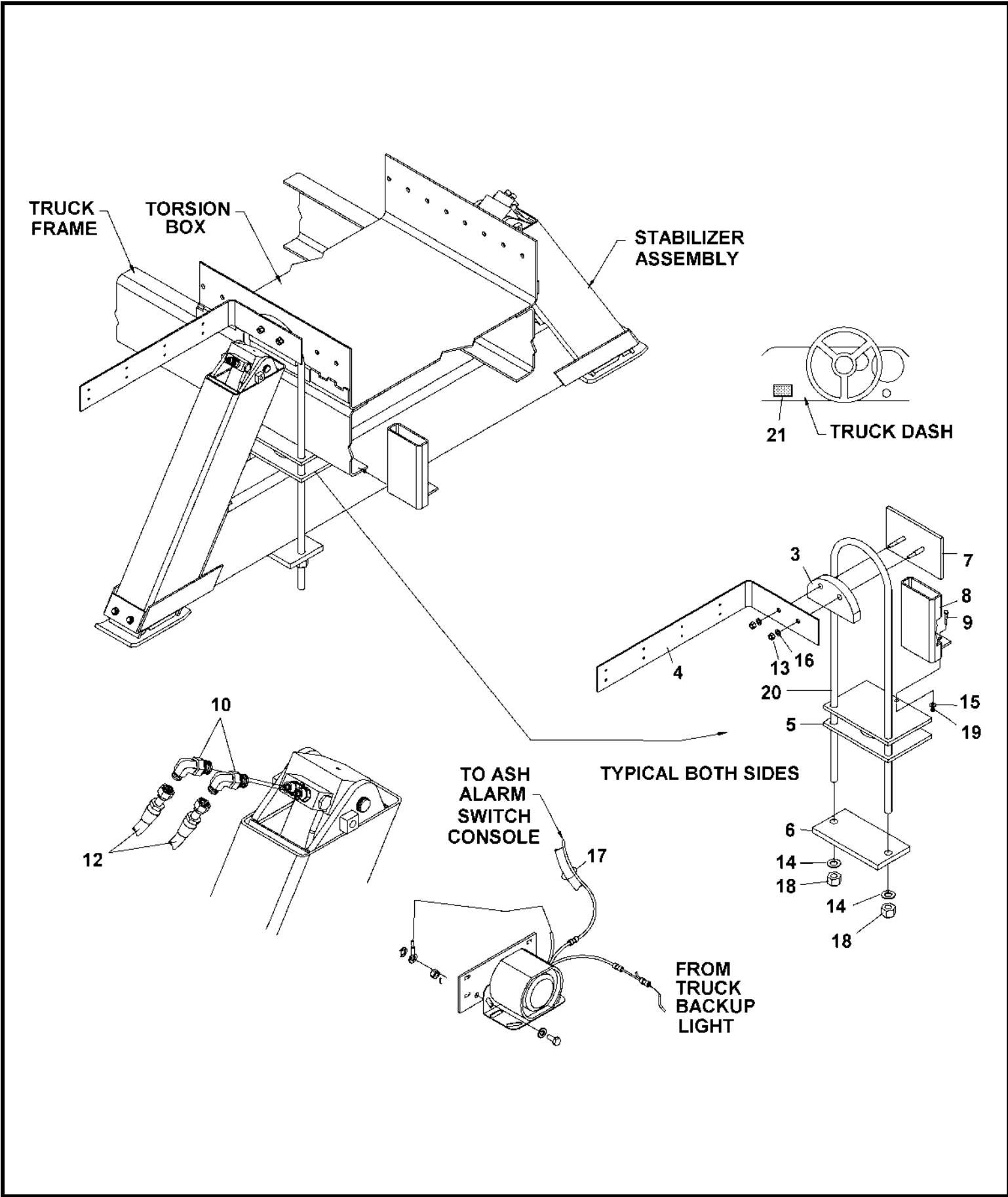
@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT

Manitowoc Crane Group

Notes



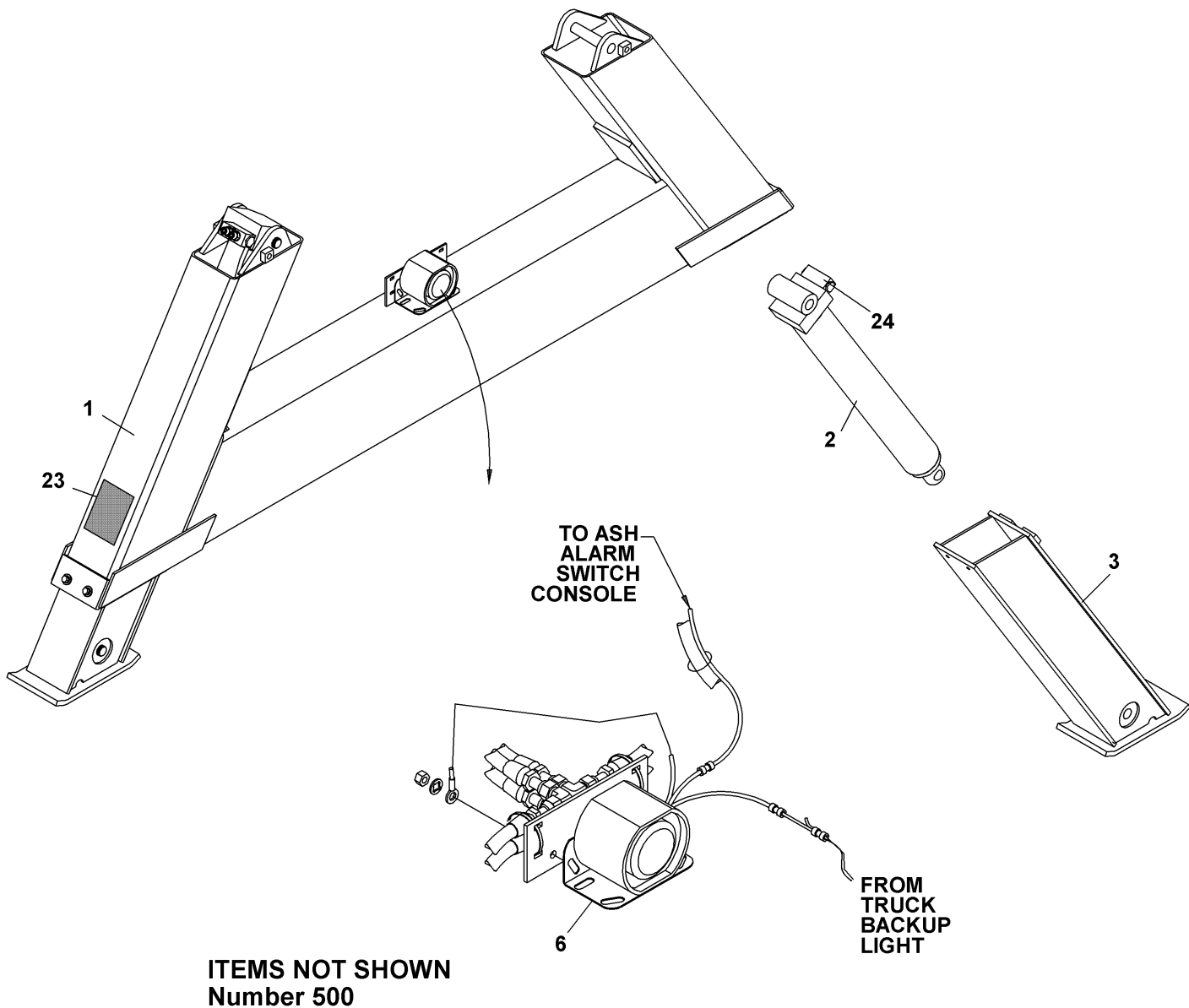
Manitowoc Crane Group



Manitowoc Crane Group

Description ASH GRP-SHIPOUT				Assembly No. 995001781 Revision: B
Item	FN	Part	Qty	Description
2		147101	2	WIRING HARNESS ASSY
3		208202	2	PLATE
4		208648	2	MUDFLAP MTG BRACKET
5		208204	2	SPACER ASSY
6		208207	2	PLATE
7		208345	2	PLATE ASSY
8		208348	2	TUBE ASSY
9		7115151450	2	CAP SCREW 5/16" -18 N.C. X 1 3/4" GRADE 5
10		7447060633	4	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
12		7555229821	4	HOSE ASSY
13		7660180001	4	NUT, HEX 1/2" -13 N.C. GRADE 5
14		7949000237	4	WASHER 7/8" I.D.
15		7950150161	2	FLATWASHER 5/1" I.D.
16		7950180050	4	LOCKWASHER 1/2" I.D.
17		840000	10	WIRE TIE
18		846554	4	LOCKNUT
19		846575	2	SELF-LOCKING NUT
20		864535	2	U-BOLT
21		875885	1	DECAL-DNGR BKUP ALARM MAINT
501		660814	1	STABILIZER SUB-GROUP SEE DWG 208200 FOR LOCATION

Manitowoc Crane Group



Manitowoc Crane Group

Description

STABILIZER SUB-GROUP

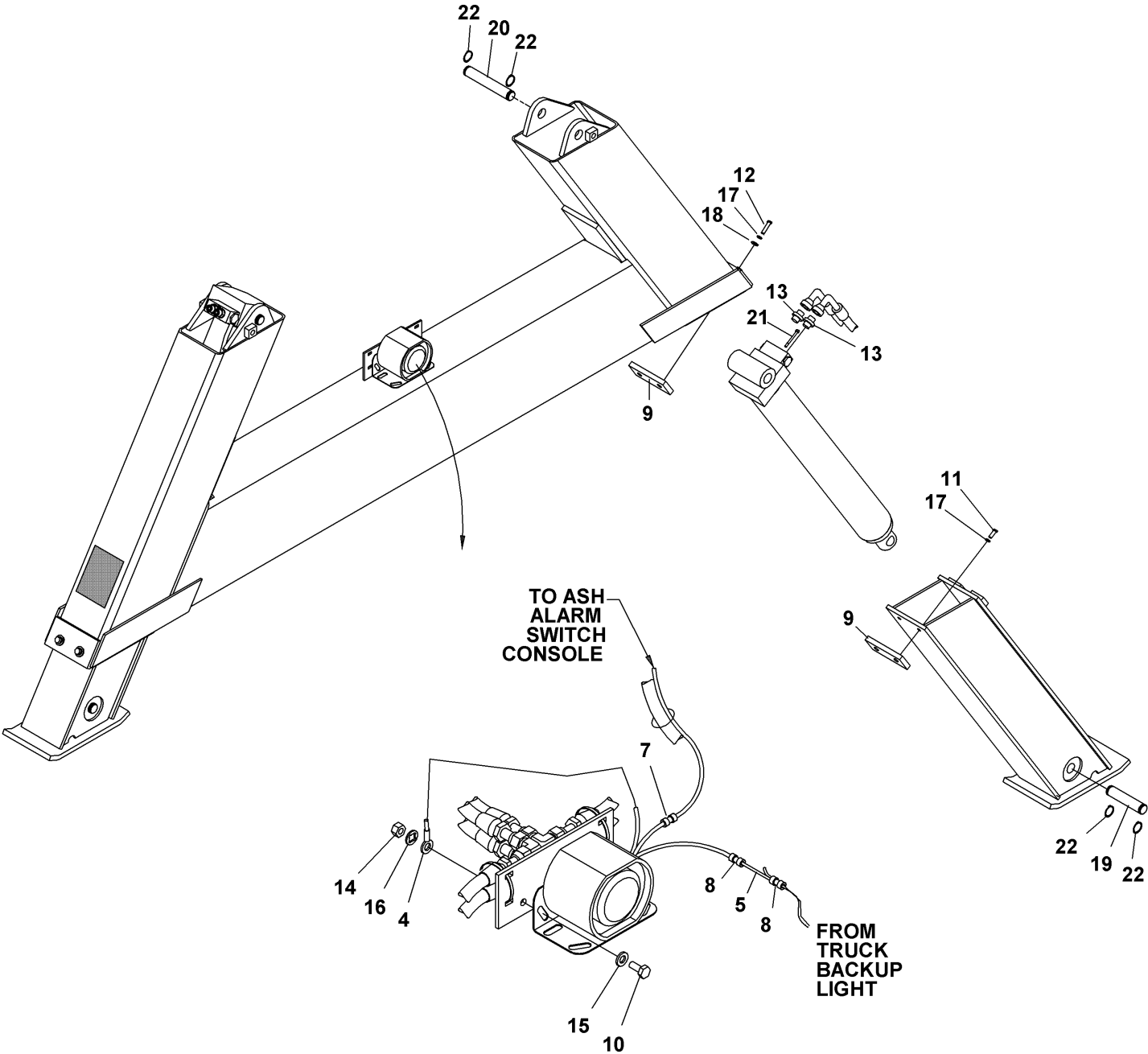
Assembly No.

660814

Revision: #

Item	FN	Part	Qty	Description
1		208660	1	STABILIZER ASSY
2		125236	2	CYLINDER ASSY
3		203789	2	STABILIZER LEG ASSY
6		144506	1	ALARM
23		875893	2	DECAL - DANGER OUTRIGGER CRUSHING INJURY
24		974997	2	CHECK VALVE
				INCLUDES THE FOLLOWING PARTS
		944266	2	ORING
500		000556	1	STABILIZER KIT
				NOT SHOWN

Manitowoc Crane Group



Manitowoc Crane Group

Description
STABILIZER KIT

Assembly No.
000556
Revision: **A**

Item	FN	Part	Qty	Description
4		143333	1	RING-TERM 5/16 STUD
5		143736	1	WIRE-RED
7		144677	1	BUTT-CON-TERM-HS
8		144702	2	BUTT-CON-TERM-HS
9		203791	4	WEAR PAD
10		7115150650	2	CAP SCREW 5/16" -18 N.C. X 3/4" GRADE 5
11		7115160750	4	CAP SCREW 3/8" -16 N.C. X 7/8" GRADE 5
12		7115161050	4	CAP SCREW 3/8" -16 N.C. X 1 1/4" GRADE 5
13		7447060601	4	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
14		7660150000	2	NUT, HEX 5/16" -18 N.C.
15		7950150161	2	FLATWASHER 5/1" I.D.
16		7950150450	2	STARWASHER
17		7950160050	8	LOCKWASHER 3/8" I.D.
18		7950160161	4	FLATWASHER 3/8" I.D.
19		851032	2	PIN
20		851324	2	PIN
21		864488	4	CAPSCREW TORX
22		866708	8	SNAP RING

Manitowoc Crane Group

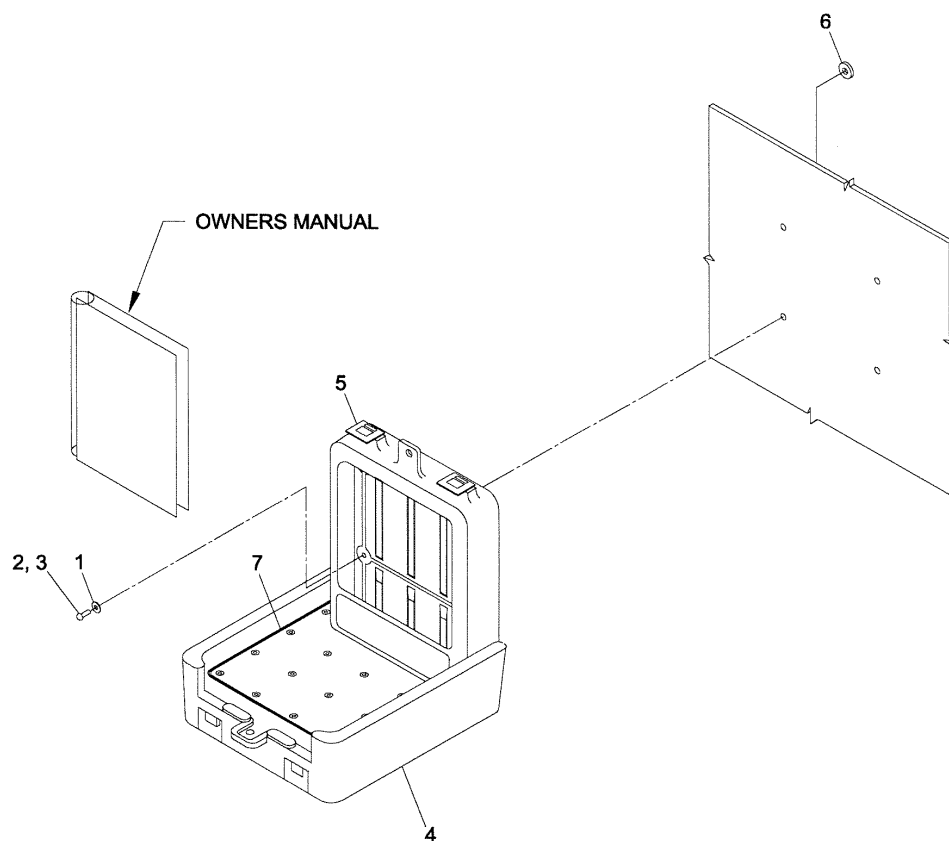
Notes

Manitowoc Crane Group

<u>Description</u> OWNER MANUAL STORAGE BOX 500C				<u>Assembly No.</u> 999547 Revision: A
Item	FN	Part	Qty	Description
20		808052	1	OWNER'S MANUAL STORAGE BOX

OPTION GROUP (OWNERS MANUAL STORAGE BOX)

NOTE: OWNERS MANUAL STORAGE BOX
TYPICALLY LOCATED ON CRANE FRAME.
ALTERNATE LOCATION MAY BE NECESSARY
ON SOME MODELS.



02/07/94
08/17/01

999547

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Manitowoc Crane Group

Description

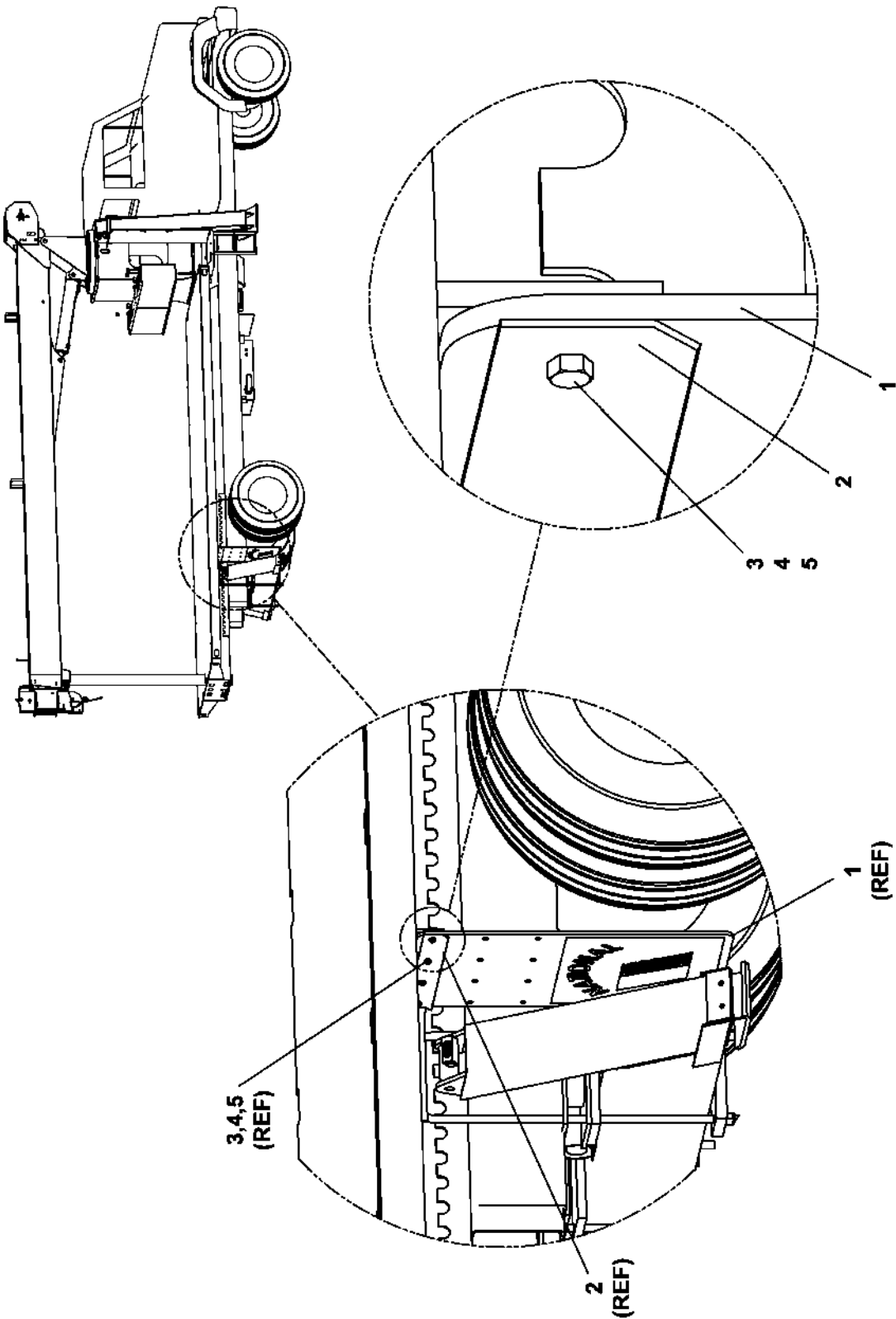
OWNER'S MANUAL STORAGE BOX

Assembly No.

808052

Revision:

Item	FN	Part	Qty	Description
1		978011	8	WASHER-RUBBER BACK
2		864203	4	CAPSCREW TORX BUTTON HEAD FOR 400A ONLY
3		7115140850	4	CAP SCREW 1/4" -20 N.C. X 1" GRADE 5
4		152747	1	OWNERS MANUAL STORAGE BOX
5		152748	2	LATCH Included with Item #4.
6		846531	4	SELF-LOCKING NUT FOR 500C ONLY
7		152749	1	MANUAL STORAGE BOX SEAL Included with Item #4.



Manitowoc Crane Group

Description

MUD FLAP MOUNTING GROUP 500/600E

Assembly No.

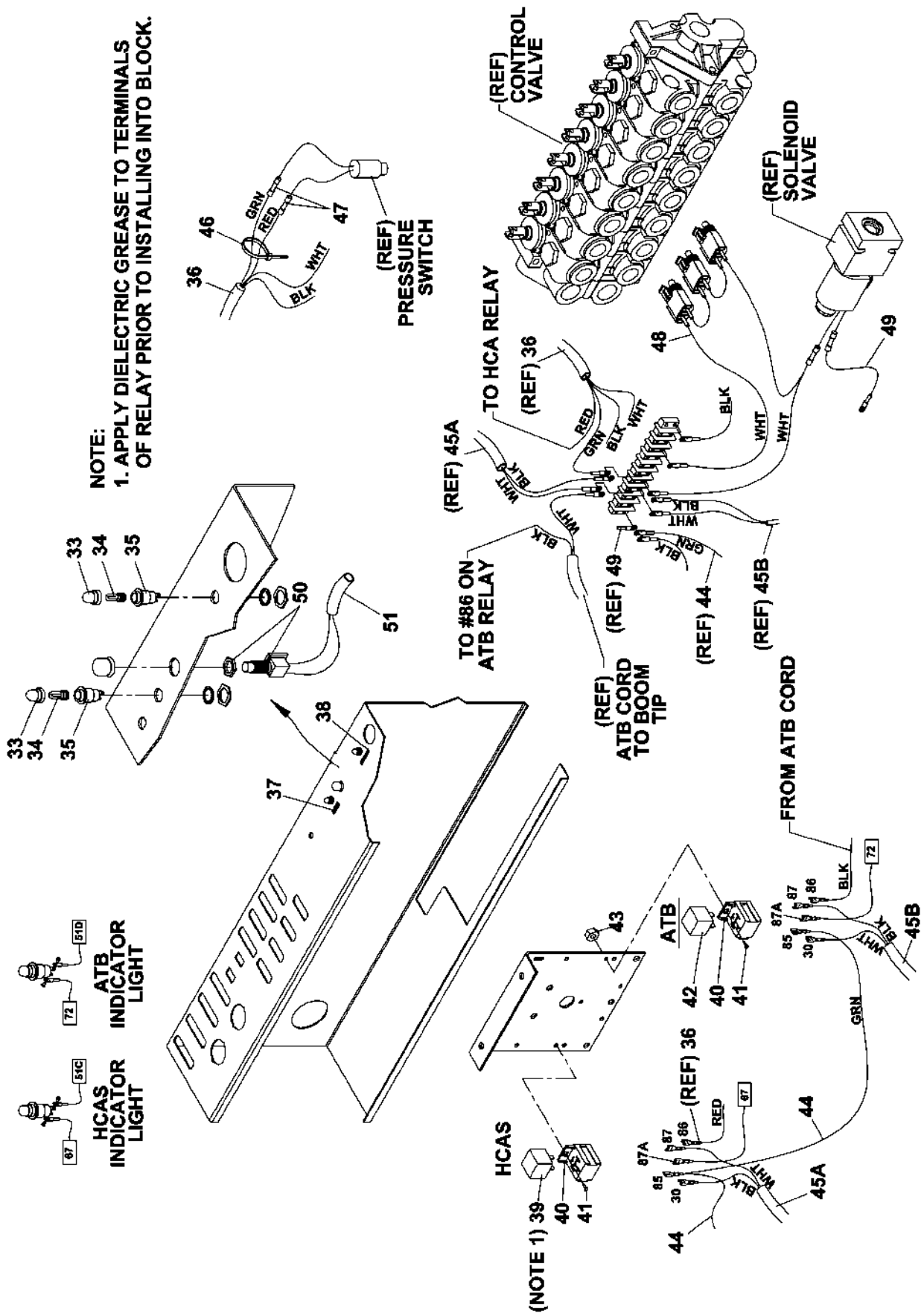
995001776

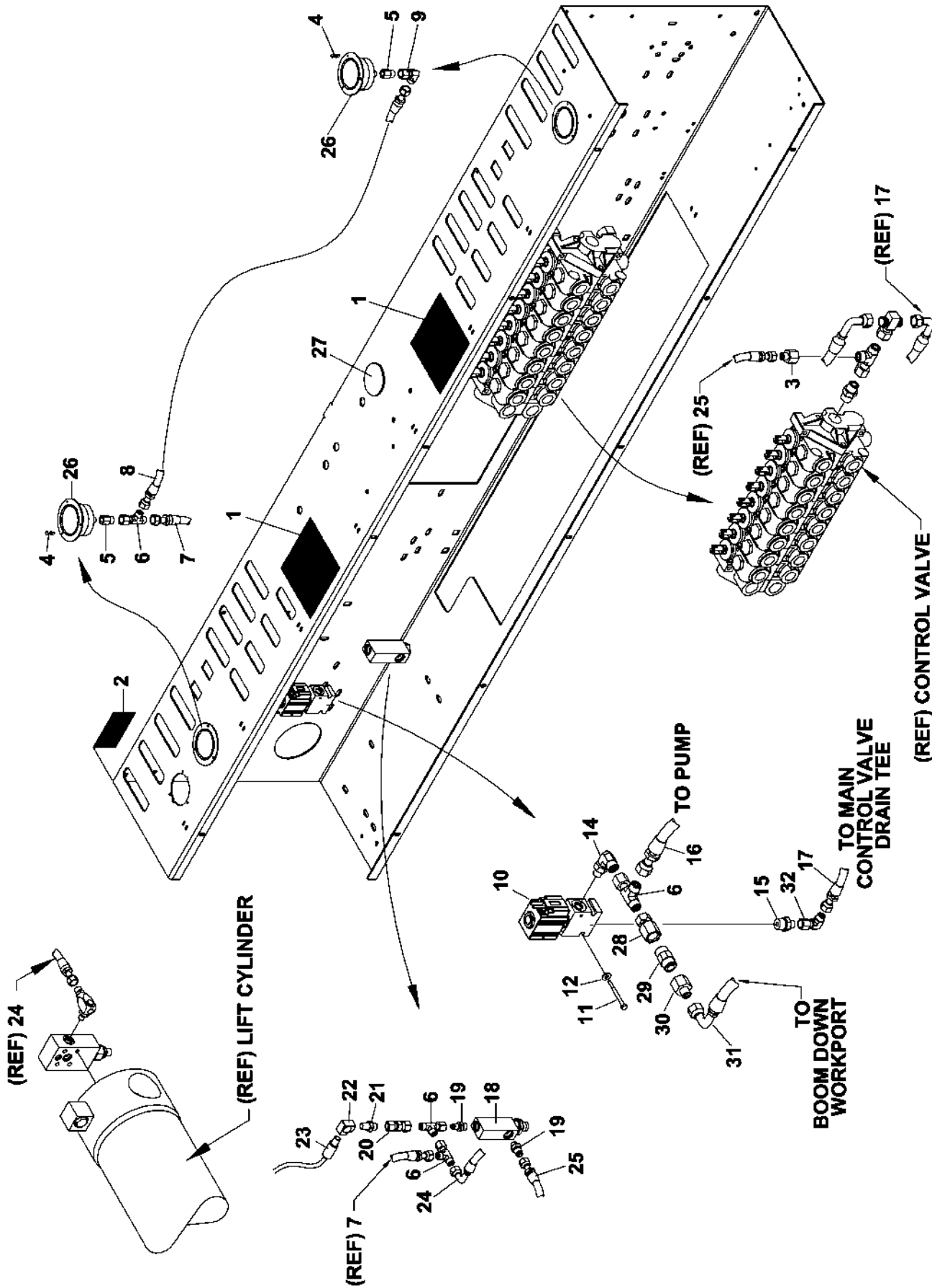
Revision: #

Item	FN	Part	Qty	Description
1		943015	2	MUD FLAP
2		166439	2	BRACKET
3		7115141250	8	CAP SCREW 1/4" -20 N.C. X 1 1/2" GRADE 5
4		7950140050	8	LOCKWASHER 1/4" I.D.
5		7660140000	8	NUT, HEX 1/4" -20 N.C.

Manitowoc Crane Group

Notes





Manitowoc Crane Group

Description				Assembly No.
HYDRAULIC CAPACITY ALERT SYSTEM GROUP				995001768
				Revision: D
Item	FN	Part	Qty	Description
1		876415	2	DECAL-CTN-DNGR-HCA WARNINGS
2		875827	1	DECAL-HCA RESET BUTTON
3		897017	1	ORS FTG REDUCER 907
4		152981	6	RIVET
5		897305	2	ORS FTG ADAPT M/ORING BS F
6		7447040434	4	TEE, MALE RUN INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
7		7555101720	1	HOSE 1/4" I.D. X 17"
8		7555107220	1	HOSE ASSEMBLY 1/4" ORFS ST X ST 72" LONG
9		7447040433	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
10	+	975256	1	VALVE ASSEMBLY - SOLENOID COMPLETE ASSEMBLY
11		7115141650	2	CAP SCREW 1/4" -20 N.C. X 2" GRADE 5
12		7950140161	10	FLATWASHER 1/4" I.D.
13		7660140000	2	NUT, HEX 1/4" -20 N.C.
14		7447040403	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
15		7447080401	1	ADAPTER INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755904002	1	O-RING
16		7555112920	1	HOSE ASSY
17		7555304620	1	HOSE ASSEMBLY 1/2" X 46" LONG
18		972983	1	RESET VALVE
19		7447040401	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
20		975264	1	UNION

+ SEE FURTHER BREAKDOWN THIS GROUP

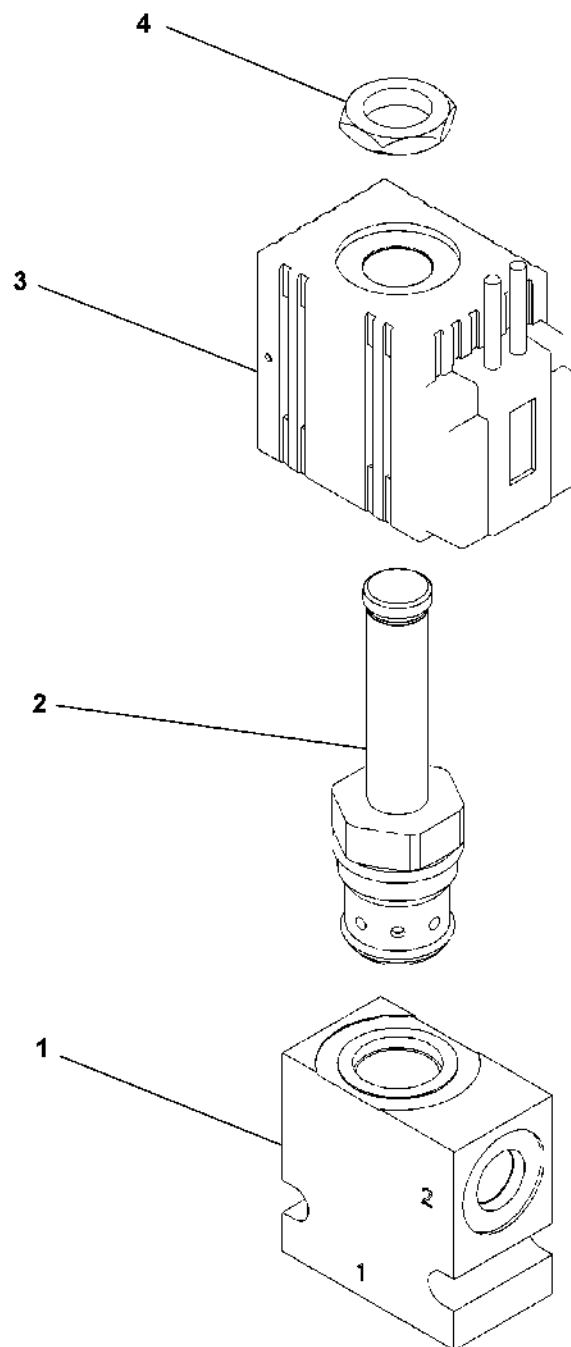
Manitowoc Crane Group

Description				Assembly No.
HYDRAULIC CAPACITY ALERT SYSTEM GROUP				995001768
				Revision: D
Item	FN	Part	Qty	Description
21		7447040428	1	ADAPTER, STRAIGHT
				INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
22		7445040454	1	ADAPTER
23		975211	1	PRESSURE SWITCH
24		7555110521	1	HOSE ASSY
25		7555105720	1	HOSE ASSY
26		892524	2	LOAD PRESSURE GAUGE
27		115630	1	PLUG
28		975263	1	ADAPTER
29		975262	1	CHECK VALVE
30		897227	1	ORS FTG REDUCER 907
31		7555104001	1	HOSE
				1/4" I.D. X 40"
32		7447080833	1	ELBOW, 90 DEGREE MALE
				INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
33		144134	2	LENSES-RED
34		142516	2	INSTRUMENT BULB
35		144530	2	PILOT LIGHT BODY
36		147545	1	CORD ASSEMBLY
37		876309	1	DECAL-HYD CP ALERT
38		877990	1	DECAL-A2B/JIB OVERLOAD
39		144275	1	RELAY
40		144274	2	RELAY BLOCK
41		7111080410	2	SCREW, MACHINE
				5/32" -32 N.C. X 1/2"
				GRADE 1
42		146684	1	RELAY W/DIODE
43	#	7660081100	2	NUT, HEX
				5/32" -24 N.F.
				GRADE 1
44		146395	1	WIRE ASSY
45		145008	2	CORD ASSY
46		840000	4	WIRE TIE

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Crane Group

Description				Assembly No.
HYDRAULIC CAPACITY ALERT SYSTEM GROUP				995001768
				Revision: D
Item	FN	Part	Qty	Description
47		144702	2	BUTT-CON-TERM-HS
48		147613	1	CNTRL VALVE WIRE ASSY
49		147612	1	WIRE ASSY
50		146714	1	SWITCH
51		146945	1	CORD ASSY



Manitowoc Crane Group

Description

VALVE ASSEMBLY - SOLENOID COMPLETE ASSEMBLY

Assembly No.

975256

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	BODY
2		9926112911	1	VALVE, CARTRIDGE
		9752100944	1	INCLUDES THE FOLLOWING PARTS
3		9926111857	1	KIT, REPAIR
4		9926104116	1	COIL, 12 VOLT
				NUT

Manitowoc Crane Group

Notes

Manitowoc Crane Group

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	125328	81
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	9632103244	65
	9734101094	62
	9734101096	62
	981399	95
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BEARING ROD	104115	81
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125279	0	0	0	1	PISTON	75
142516	1	1	1	2	INSTRUMENT BULB	116
144275	0	0	1	1	RELAY	116
144677	1	1	3	1	BUTT-CON-TERM-HS	105
144987	0	0	1	1	SWITCH ASSY	87
146714	0	0	1	1	SWITCH	117
173849	1	1	2	4	WEAR PAD	79
7013000517	0	0	1	1	REDUCER	13
7364002837	0	0	1	1	FITTING, SWIVEL	73
7373100050	1	1	2	1	CYL SEAL KIT	75
7443001613	0	0	1	1	REDUCER	13
7445040454	0	0	1	1	ADAPTER	116
7447040401	0	0	1	3	ADAPTER, STRAIGHT	57, 115
7447040403	0	0	1	3	ELBOW, 90 DEGREE	14, 57, 115
7447040416	0	0	1	1	CAP, FEMALE	14
7447040428	0	0	1	1	ADAPTER, STRAIGHT	116
7447040433	0	0	1	1	ELBOW, 90 DEGREE	115
7447040434	0	0	1	5	TEE, MALE RUN	14, 115
7447040601	0	0	1	1	ADAPTER, STRAIGHT	13
7447040603	0	0	1	1	FITTING, 90 DEGREE	73
7447060601	0	0	1	5	ADAPTER, STRAIGHT MALE	81, 105
7447060603	0	0	1	1	ELBOW, 90 DEGREE	81
7447060608	0	0	1	4	ELBOW, 45 DEGREE MALE	83
7447060633	0	0	1	4	ELBOW, 90 DEGREE MALE	101
7447061001	0	0	1	6	ADAPTER, STRAIGHT	13
7447061003	0	0	1	6	FITTING, 90 DEGREE	13, 69
7447080401	0	0	1	1	ADAPTER	115
7447080801	0	0	1	2	ADAPTER, STRAIGHT	75
7447080833	0	0	1	1	ELBOW, 90 DEGREE MALE	116
7447080834	0	0	1	1	TEE, MALE RUN	13
7447080835	0	0	1	1	TEE, BRANCH	14
7447081001	0	0	1	4	ADAPTER, STRAIGHT MALE	13
7447121201	0	0	1	3	ADAPTER, STRAIGHT MALE	13, 91
7447121203	0	0	1	1	ELBOW, 90 DEGREE	91
7447161201	0	0	1	1	ADAPTER, STRAIGHT	13
7555101521	0	0	0	1	HOSE	57
7555101720	0	0	0	1	HOSE	115
7555104001	0	0	0	1	HOSE	116
7555105720	0	0	0	1	HOSE ASSY	116
7555107220	0	0	0	1	HOSE ASSEMBLY 1/4" ORFS	115
7555110521	0	0	0	1	HOSE ASSY	116
7555112920	0	0	0	1	HOSE ASSY	115

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7555229821	0	0	0	4	HOSE ASSY	101
7555304620	0	0	0	1	HOSE ASSEMBLY 1/2" X 46"LONG	115
7555308561	0	0	0	1	HOSE ASSEMBLY 1/2" X 85"LONG	9
7555309421	0	0	0	1	HOSE	9
7690000810	0	0	0	1	PIN, COTTER	51
7690021210	0	0	0	1	PIN, COTTER	47
7690052410	0	0	0	1	PIN, COTTER	51
7690103210	0	0	0	2	PIN, COTTER	91
7690143210	0	0	0	1	PIN, COTTER	92
7754000180	0	0	2	1	O-RING, LOW TEMPERATURE	75
7755011002	0	0	2	11	O-RING	13, 14, 57, 73, 115, 116
7755012002	0	0	2	13	O-RING	5, 13, 69, 81, 83, 101, 105
7755014002	0	0	2	6	O-RING	13, 14, 75, 115, 116
7755018002	0	0	2	3	O-RING	13, 91
7755021002	0	0	2	1	O-RING	13
7755904002	0	0	2	10	O-RING	14, 57, 91, 115, 116
7755906002	0	0	2	6	O-RING	13, 73, 81, 83, 105
7755908002	0	0	2	4	O-RING	13, 14, 75, 116
7755910002	0	0	2	4	O-RING	13, 14, 69
7755912002	0	0	2	4	O-RING	13, 91
7926100852	0	0	0	1	VALVE ASSEMBLY - HOLDING	57
848021	0	0	0	1	CLEVIS PIN	51
848023	0	0	0	1	CLEVIS PIN	47
848680	0	0	0	4	ROLL PIN, 3/16 X 3/4	47
848935	0	0	0	2	ROLL PIN	51
888141	0	0	1	1	FTG 90 DEG SWIVEL 314	91
892524	0	0	1	2	LOAD PRESSURE GAUGE	116
897017	0	0	1	1	ORS FTG REDUCER 907	115
897227	0	0	1	1	ORS FTG REDUCER 907	116
897305	0	0	1	2	ORS FTG ADAPT M/ORING BS F	115
897309	0	0	1	1	ORS FTG 90DEG ORB SWIVEL	73
908579	0	0	0	6	MOTOR ASSEMBLY - ORBIT	57
917000	0	0	1	1	FITTING, STRAIGHT GREASE	73
917007	0	0	1	1	ZERK-90 DEGREES	73
942332	0	0	1	1	LATCH	92
944007	0	0	2	1	O-RING	73
944010	0	0	2	1	O RING	73
944266	0	0	2	2	ORING	103
950091	0	0	1	1	SHEAVE	87
953001	0	0	1	1	SPRING	47
954042	0	0	0	3	GEAR PLANET INPUT	62

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954048	0	0	0	1	GEAR, SUN, OUTPUT	62
960325	0	0	0	5	FRICTION DISC	61
960871	0	0	0	1	GEAR,SUN	61
960872	0	0	0	1	GEAR,BRAKE DRIVER	61
960879	0	0	0	6	STATOR PLATE	61
960881	0	0	0	1	ROLL PIN	61
960886	0	0	2	1	O-RING	95
960897	0	0	1	1	WASHER,THRUST	62
960964	0	0	1	8	SPRING	61
9632103288	0	0	2	2	O-RING	65
9722105368	0	0	2	1	SEAL ASSY. SHAFT	5
9722105369	1	1	2	1	KIT, SEAL	5
9722105372	0	0	2	1	O-RING	5
972970	0	0	0	1	CARTRIDGE VALVE	81
972983	0	0	0	1	RESET VALVE	115
9734101183	0	0	1	1	FITTING, GREASE	61
9734101186	1	1	2	1	KIT, SEAL	62
974997	0	0	0	2	CHECK VALVE	103
975199	0	0	0	4	VALVE ASSEMBLY - CONTROL	11, 13
975211	0	0	1	1	PRESSURE SWITCH	116
975253	0	0	0	1	HOLDING VALVE	73
975256	0	0	0	2	VALVE ASSEMBLY - SOLENOID	115
975262	0	0	0	1	CHECK VALVE	116
975263	0	0	1	1	ADAPTER	116
975264	0	0	1	1	UNION	115
975265	0	0	1	1	FEMALE ADAPTER	73
9926104886	1	1	2	20	KIT, REPAIR	26, 27, 28, 40, 41, 42
9926104888	1	1	2	2	KIT, REPAIR	25, 39
9926109671	1	1	2	2	KIT, SEAL	25, 39
9926112889	0	0	0	2	VALVE ASSY. RELIEF @ 4300 PSI.	25, 39
9926112891	0	0	0	2	VALVE ASSY. RELIEF @ 3300 PSI.	26, 40
9926112892	1	1	2	12	KIT, SEAL	26, 27, 28, 40, 41, 42
9926112893	1	1	2	12	KIT, BOOT	26, 27, 28, 40, 41, 42
9926112897	0	0	0	2	VALVE ASSY. RELIEF @ 2900 PSI.	26, 40
9926112898	0	0	0	2	VALVE ASSY. RELIEF @ 2900 PSI.	26, 40
9926112900	0	0	0	4	VALVE ASSY. RELIEF @ 2350 PSI.	27, 41
9926112903	1	1	2	2	KIT, SEAL	26, 40
9926112906	0	0	1	6	SWITCH ASSY.	26, 27, 40, 41
9926112910	0	0	1	2	SWITCH ASSY.	27, 41
9926112911	0	0	0	1	VALVE, CARTRIDGE	119

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Recommended Spare Parts List					Appendix C	
Part No.	1 Yr	2 Yr	3 Yr	Qty	Description	Page
9926112912	1	1	2	1	KIT, O-RING	73

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Foot Note Index		Appendix E
Foot Note	Description	
-	THIRD REPAIR KIT AND/OR PART OF 3RD KIT	
!	SUB ASSY AND/OR PART OF SUB ASSY	
#	SERVICED AS AN ASSEMBLY ONLY	
\$	FIFTH REPAIR KIT	
%	SEE NOTE AT END OF LIST	
&	SIXTH REPAIR KIT	
*	REPAIR KIT AND/OR PART OF KIT	
/	2ND SUB ASSY AND/OR PART OF SUB ASSY	
@	SECOND REPAIR KIT AND/OR PART OF 2ND KIT	
^	3RD SUB ASSY AND/OR PART OF SUB ASSY	
~	SEE ALLISON DEALER FOR REPAIR PARTS	
+	SEE FURTHER BREAKDOWN THIS GROUP	
<	FOURTH REPAIR KIT AND/OR PART OF 4TH KIT	
=	REFER TO MCI FOR APPLICABLE NUMBER	
>	REFER TO MCI FOR BREAKDOWN LOCATION	