

Manitowoc Cranes

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Date: Jan 31, 2012

Rev: 001

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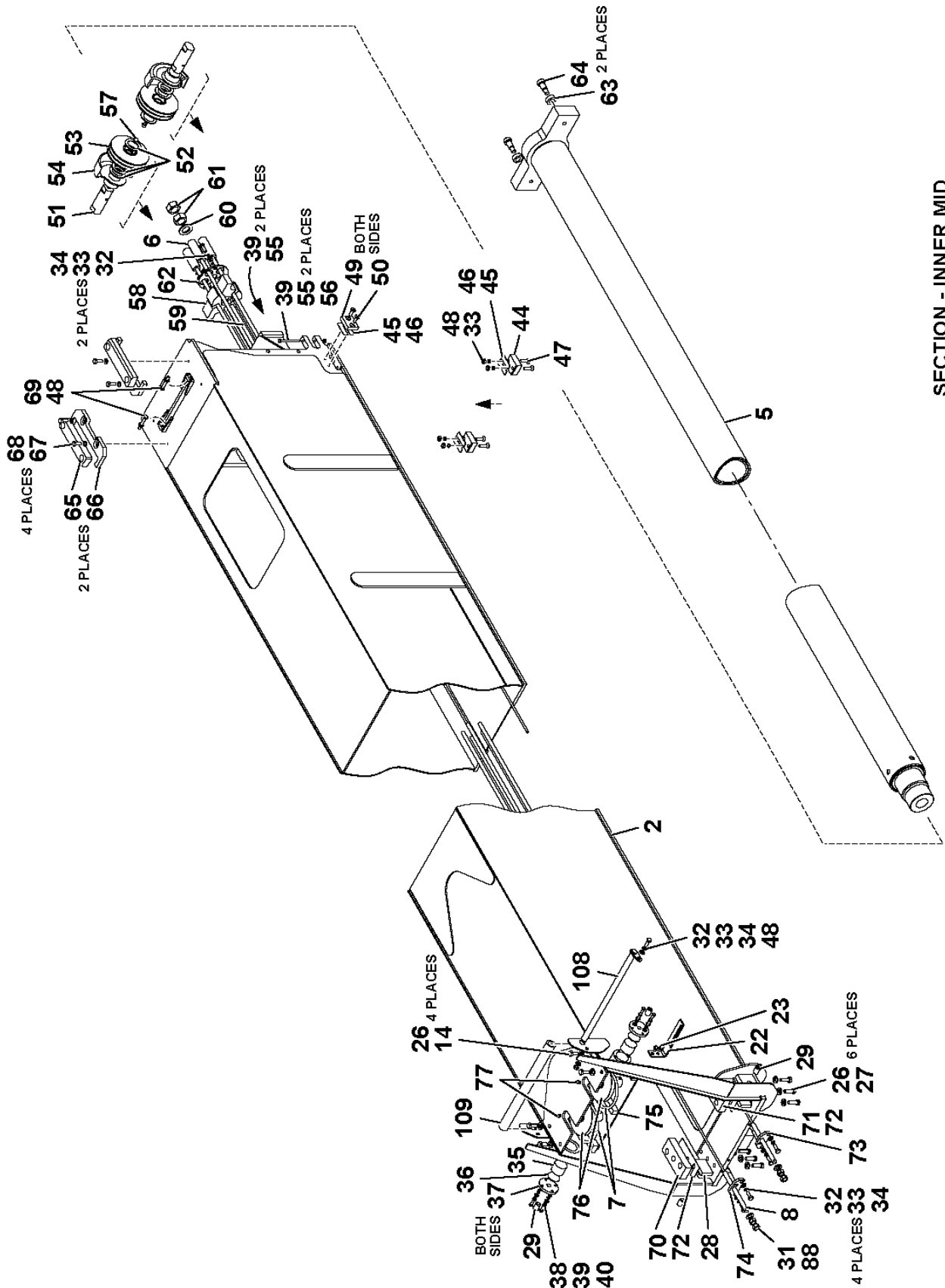
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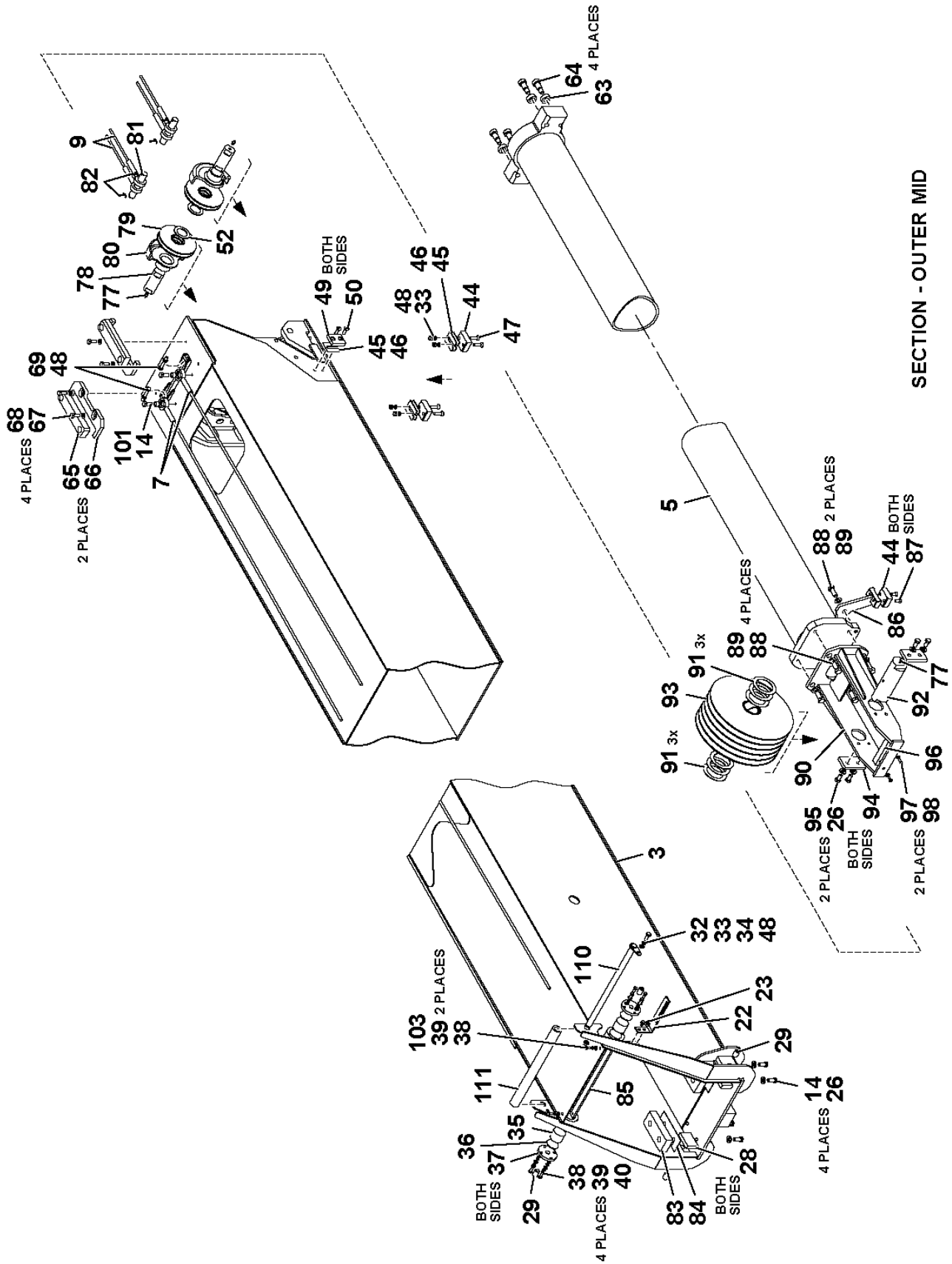
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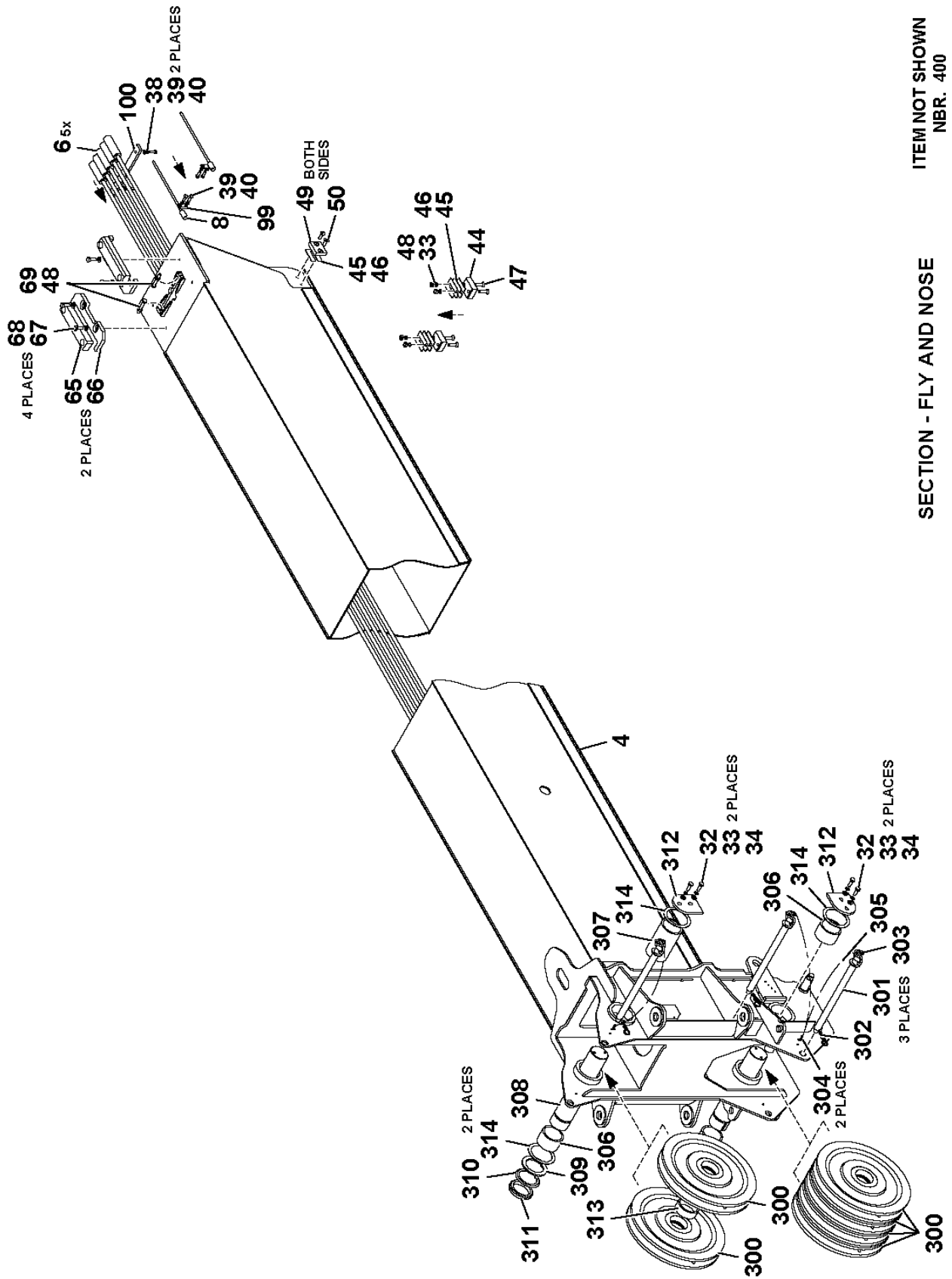
SECTION - INNER MID

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SECTION - OUTER MID

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ITEM NOT SHOWN
NBR. 400

SECTION - FLY AND NOSE

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1		80016180	1	BASE BOOM
2		80022589	1	INNER MID
3		80022590	1	OUTER MID
4		80029261	1	BOOM NOSE TO FLY SECTION
5	+	6372100507	1	CYLINDER ASSEMBLY - TELESCOPE (COMPLETE ASSEMBLY)
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11		80017569	2	PIN TELE ROD END
12		7950180161	4	FLAT WASHER, 1/2" I.D.
13		7951210210	4	LOCK WASHER, 12MM I.D.
14		7127211353	14	CAP SCREW,M12X30-10.9 ISO 4017
16		7447161603	2	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755916002	1	O-RING
17		7910101455	1	TUBE ASSY, TELE CYL PISTON
18		7910101456	1	TUBE ASSY, TELE CYL ROD PORT
19		7364002614	2	JOINT, 90 DEGREE LIVE SWIVEL
20		4159910619	1	COVER
21		7429100012	4	NUT, 8MM WELL
22		4159910033	4	ANGLE, MOUNTING
23		7115150478	8	SCREW, FLANGE 5/16" - 18 N.C. X 1/2" GRADE 5
24	*	7671100185	1	PAD ASSY, 4 BOLT FRONT LEFT
25	*	7671100186	1	PAD ASSY, 4 BOLT FRONT RIGHT
26		7949000235	26	WASHER, 1/2" I.D. FLAT
27		7127211553	18	HHCS M12x40 -10.9 ISO 4017
28		7671100021	6	PAD, SIDE WEAR
29		7786160804	14	SET SCREW
30		2159910131	2	ANCHOR

+ SEE FURTHER BREAKDOWN THIS GROUP

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description BOOM ASSY 102'				Assembly No. 80022588 Revision: D
Item	FN	Part	Qty	Description
31		7661240004	12	NUT, M16 CLASS 10
32		7951190014	20	FLAT WASHER, 10MM I.D.
33		7951190210	33	LOCK WASHER, 10MM
34		7126191353	17	CAP SCREW, M10 X 30MM HEX HEAD
35	*	6671000236	6	PAD, WEAR
36		4159110165	6	PLATE
37		4159110164	6	PLATE, ADJUSTING
38		7951170014	38	WASHER, FLAT #8
39		7951170210	42	WASHER, LOCK 8MM
40		7126171253	30	CAP SCREW, M8X25 HEX HEAD
41		4159910612	1	PLATE, KICKBACK
42		7126171153	4	CAP SCREW, M8 X 20MM HEX HEAD
43		4159910549	1	SHIM, 4 HOLE 1MM
44	*	6671000177	8	PAD, WEAR
45		4159910262	10	SHIM, 2MM SIDE PAD
46		4159910261	12	SHIM, 1MM SIDE PAD
47		7127191555	12	CAP SCREW, M10X40 -10.9
48		7661190003	21	NUT, HEX 10MM
49	*	6671000166	6	PAD, WEAR
50		7127191355	12	CAP SCREW, M10X30
51		80017570	2	PIN
52		7949000333	8	WASHER, THRUST
53		6718100017	2	SHEAVE
				INCLUDES THE FOLLOWING PARTS
		6069100001	1	BEARING
54		2159910215	2	GUARD
55		7126172550	4	CAP SCREW, M8X90
56		7661170003	2	NUT
57		7440000400	2	FITTING, 90 DEGREE GREASE
58		4159910571	1	PLATE, CABLE ANCHOR
59		7099100052	1	BOLT, 30MM
60		7949000230	1	WASHER, 1 1/8" I.D.
61		7661340004	2	NUT, M30X3.5 CLASS 10 HEX
62		4159910260	1	PLATE, ROUND KEEPER
63		6199100098	6	BUSHING

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description BOOM ASSY 102'				Assembly No. 80022588 Revision: D
Item	FN	Part	Qty	Description
64		7128271358	6	SET SCREW, M20X30-12.9
65	*	7671100082	6	PAD ASSY, WEAR INCLUDES THE FOLLOWING PARTS
	*	7671100079	1	WEAR PAD
	*	7671100081	2	TEFLON PLUG
66		4165910219	6	HOLDER, PAD
67		7949000263	12	WASHER, HARDENED
68		7127191353	12	CAP SCREW, M10 X 30
69		7126191953	6	CAP SCREW, M10X60 -8.8
70	*	7671100187	1	PAD ASSY, RIGHT HAND WEAR
71	*	7671100188	1	PAD ASSY, LEFT HAND WEAR
72		4159910616	1	SHIM, 3 HOLE 1MM
73		2159910166	1	ANCHOR, LEFT HAND
74		2159910167	1	ANCHOR, RIGHT HAND
75		80012761	1	SHEAVE MOUNTING
76		6718100000	2	SHEAVE INCLUDES THE FOLLOWING PARTS
		6069100000	1	BEARING
77		7440000000	5	FITTING, 1/8 STRAIGHT GREASE
78		80017571	2	PIN
79		6718100015	2	SHEAVE INCLUDES THE FOLLOWING PARTS
		7069100041	1	BEARING
80		2159910171	2	RETAINER, CABLE
81		80017568	2	PIN
82		7690082410	4	PIN, COTTER 5/32" X 1 1/2"
83	*	7671100179	2	PAD ASSY, 2 BOLT FRONT
84		4159910551	1	SHIM, 2 HOLE 1MM
85		4159910613	1	PLATE, KICKBACK
86		2159910181	1	FOOT, TELESCOPE CYLINDER
87		7111160807	4	SCREW, MACHINE 3/8" - 16 N.C. X 1" GRADE 1
88		7949000617	12	WASHER, 5/8" I.D.
89		7127241550	6	CAP SCREW, M16 X 40MM HEX HEAD
90		2155910039	1	MOUNT, SHEAVE

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description BOOM ASSY 102'				Assembly No. 80022588 Revision: D
Item	FN	Part	Qty	Description
91		6949001174	6	PLATE, SPACER
92		4155910024	1	SHAFT, SHEAVE
93	*	6718100006	1	SHEAVE ASSY, 5 GROOVE INCLUDES THE FOLLOWING PARTS
	*	7069100031	1	BEARING
94		6705006974	2	PLATE
95		7118180850	4	CAP SCREW, 1/2" - 13 N.C. X 1" GRADE 8
96		4140900205	1	RETAINER
97		7950140141	2	WASHER, FLAT 1/4" PLAIN NARROW
98		7115140650	2	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
99		4165910073	2	PLATE, KEEPER
100		4159901579	1	PLATE, KEEPER
101		6199100030	2	BUSHING
102		7949000236	2	FLAT WASHER, 3/4"
103		7126171053	2	CAP SCREW, M8 X 16MM HEX HEAD
104		4159900070	2	PLATE, LOCK
105		6671000266	2	PAD, WEAR
106		80026287	1	SHAFT
107		80013553	1	ROLLER, HOIST CABLES
108		80026288	1	SHAFT
109		80020264	1	ROLLER, NYLATRON IM
110		80026289	1	SHAFT WELDMENT OM
111		80020265	1	ROLLER, NYLATRON OM
300	+	6718100031	6	SHEAVE ASSEMBLY - 5/8" ROPE
301		7689000023	3	PIN, LOCK HAIR
302		7689000701	3	CLIP, HITCH PIN
303		7601000955	3	S-HOOK, STANDARD
304		7690101610	2	PIN, COTTER 3/16" X 1"
305		6286000736	3	CHAIN
306		80018338	3	SPACER
307		80023247	1	SPACER TUBE

* REPAIR KIT AND/OR PART OF KIT

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

BOOM ASSY 102'

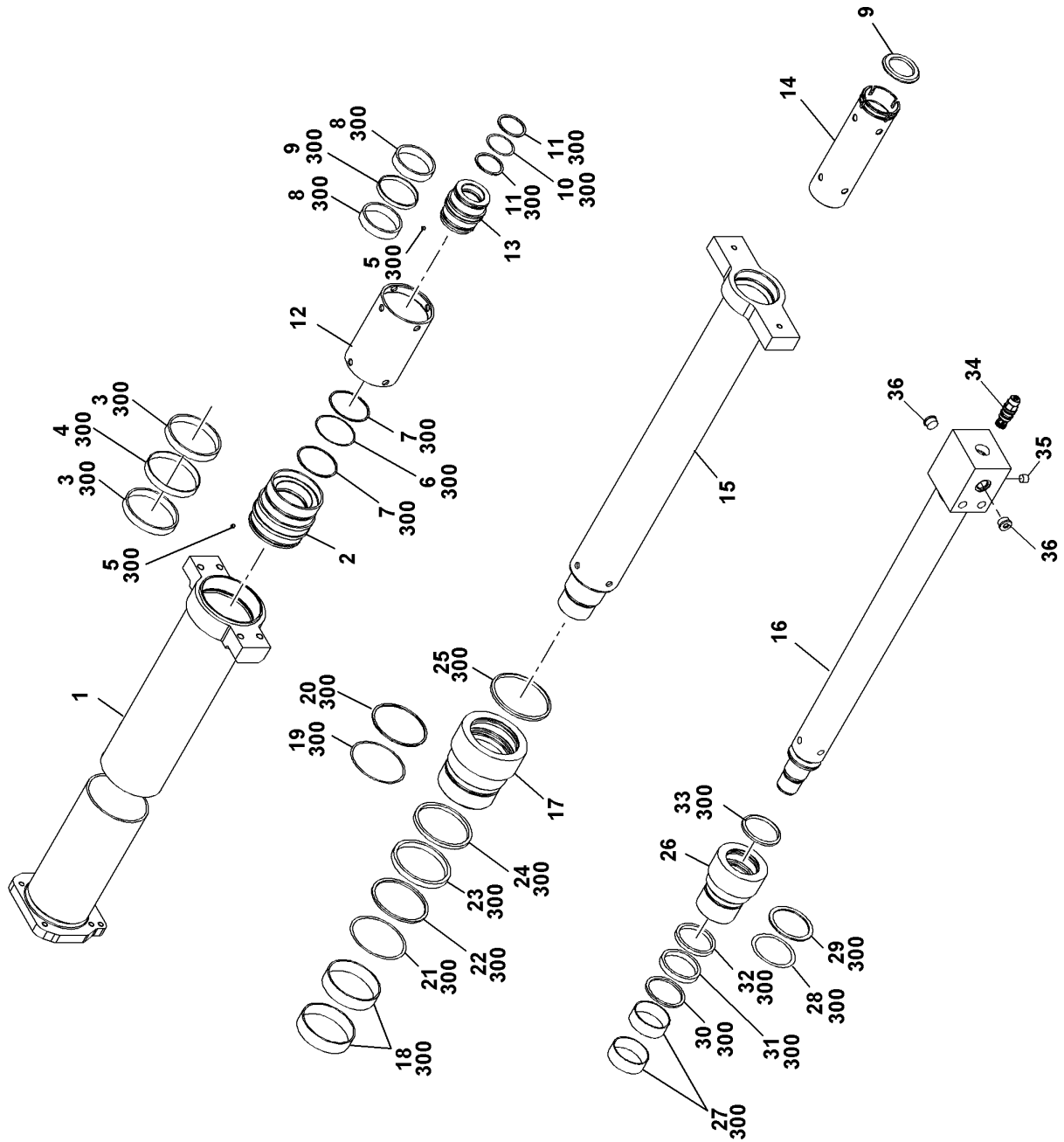
Assembly No.

80022588

Revision: **D**

Item	FN	Part	Qty	Description
308		6810100132	2	SHAFT
309		80022876	2	KEYED WASHER
310		80022875	2	LOCKWASHER
311		80022874	2	LOCKNUT
312		4159910026	2	CAP, END
313		80018339	1	SPACER
314		4159900304	4	SHIM (.0544")
400		6576100532	1	KIT - BOOM WEAR PAD & SHEAVES

Manitowoc Cranes



Manitowoc Cranes

Description

CYLINDER ASSEMBLY - TELESCOPE (COMPLETE ASSEMBLY)

Assembly No.

6372100507

Revision: #

Item	FN	Part	Qty	Description
1		6372100390	1	BARREL, TELESCOPE CYLINDER
2		7701100419	1	PISTON, CYLINDER
3	*	7794000606	2	SEAL
4	*	7753001459	2	RING, WEAR
5		7099000378	2	SCREW, 3/8" - 16NC X 3/8" SET
6	*	7754000154	1	O-RING, LOW TEMPERATURE
7	*	7753100057	2	RING, HYTREL BACK-UP
8	*	7794101587	2	SEAL ASSY, HYDROLOCK
9	*	7753100054	2	WEAR RING
10	*	7754000157	1	O-RING, LOW TEMPERATURE
11	*	7753100056	2	RING, HYTREL BACK-UP
12		7910101727	1	SPACER
13		7701100420	1	PISTON, CYLINDER
14		7910101762	1	SPACER
15		6768100356	1	ROD, CYLINDER
16		6768100241	1	ROD, TELESCOPE CYLINDER
17		7372100213	1	HEAD, CYLINDER
18	*	7753000274	2	RING, WEAR
19	*	7754000143	1	O-RING, LOW TEMPERATURE
20	*	7755439609	1	RING, BACK-UP
21	*	7794000555	1	SEAL, BUFFER
22	*	7753000835	1	RING, BACK-UP
23	*	7794000626	1	SEAL, DEEP Z ROD
24	*	6753000303	1	RING, BACK-UP
25	*	7753000161	1	RING, WIPER
26		7372100274	1	HEAD, CYLINDER
27	*	7753000444	2	RING, WEAR 1 1/2" LONG
28	*	7754000169	1	O-RING, LOW TEMPERATURE
29	*	7755348609	1	RING, BACK-UP
30	*	7794000619	1	SEAL 4"
31	*	7794000602	1	SEAL 4"
32	*	7753100066	1	RING, 4" NYLATRON BACKUP

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description

CYLINDER ASSEMBLY - TELESCOPE (COMPLETE ASSEMBLY)

Assembly No.

6372100507

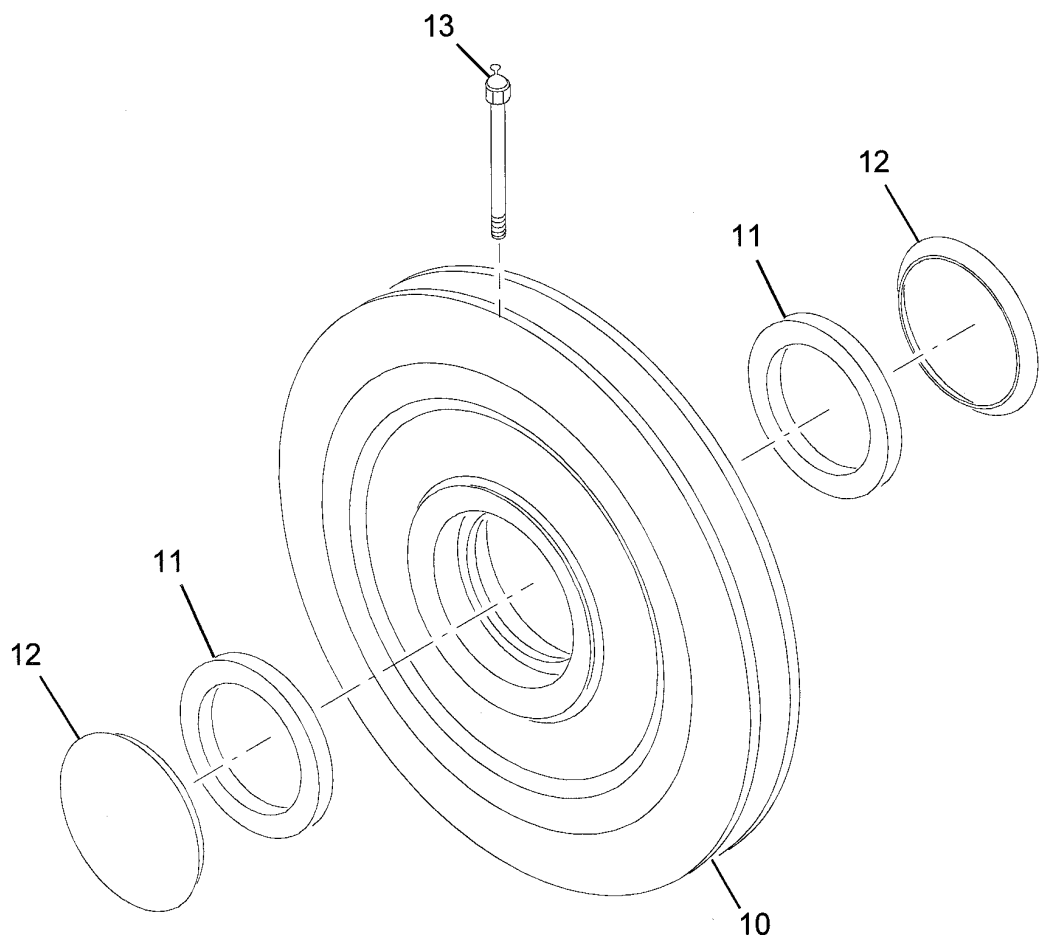
Revision: #

Item	FN	Part	Qty	Description
33	*	7753000376	1	RING, WIPER 4"
34		7926100886	1	VALVE ASSY, CARTRIDGE HOLDING INCLUDES THE FOLLOWING PARTS
		9926107803	1	KIT, SEAL
300	*	7373100108	1	KIT, CYLINDER SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

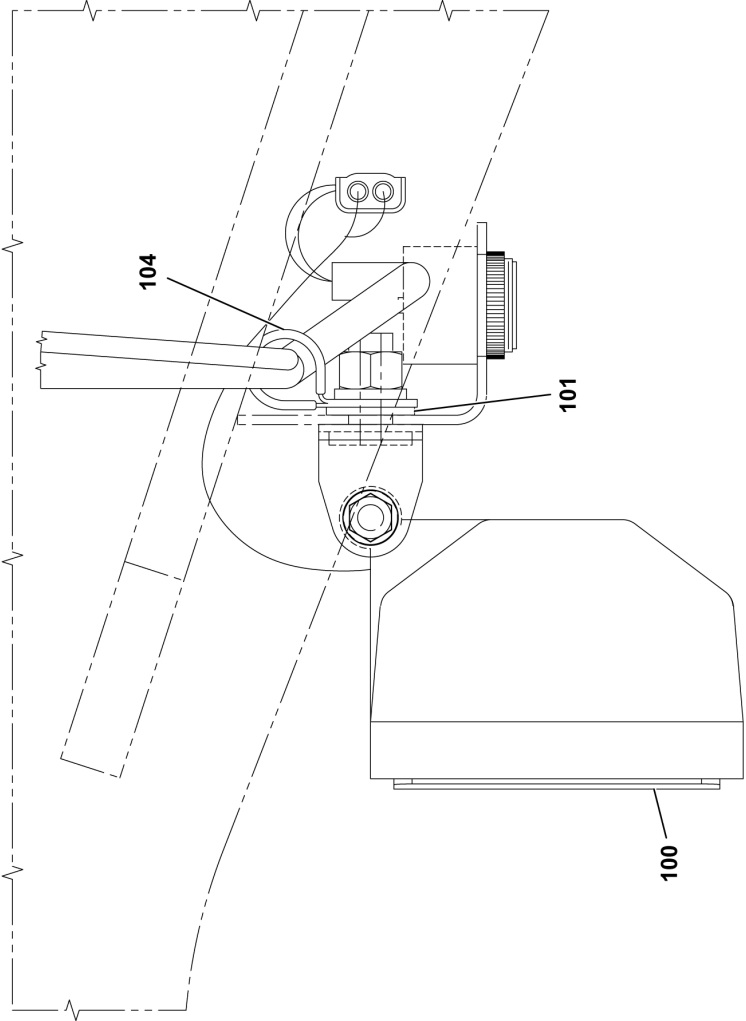
SHEAVE ASSEMBLY - 5/8" ROPE

Assembly No.

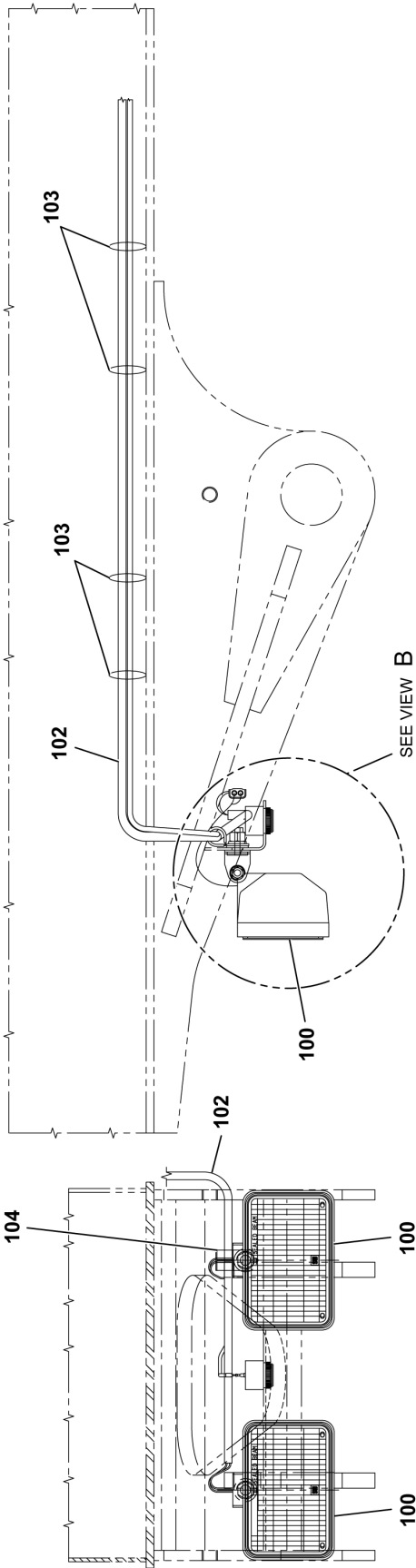
6718100031

Revision: **A**

Item	FN	Part	Qty	Description
10		6718100030	1	WHEEL, 5/8" ROPE SHEAVE INCLUDES THE FOLLOWING PARTS
		7794000272	2	CUP, BEARING
11		7069000183	2	CONE, BEARING
12		7069000175	2	CLOSURE, BEARING
13		7440000000	1	FITTING, 1/8 STRAIGHT GREASE



VIEW B



Manitowoc Cranes

Description

LIGHTS INSTALLATION - BOOM (DOMESTIC)

Assembly No.

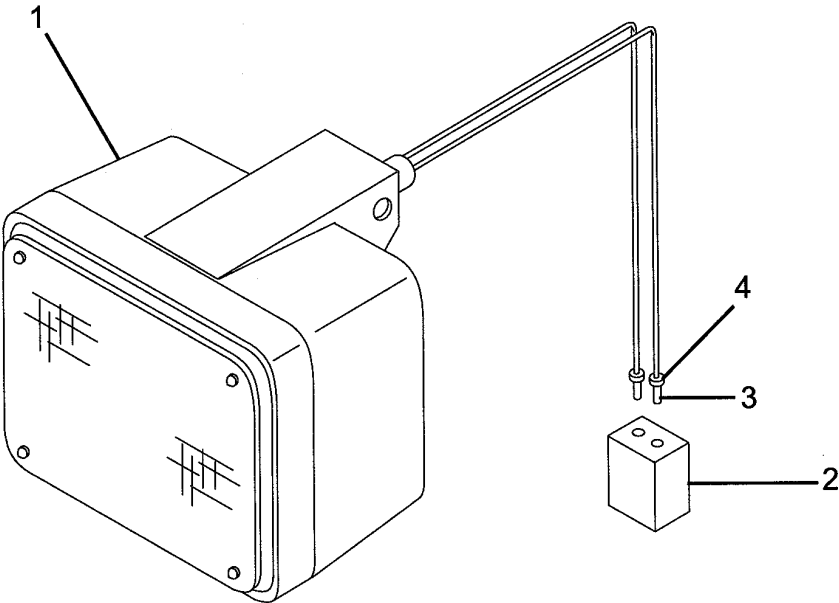
6581100076

Revision: **A**

Item	FN	Part	Qty	Description
100	+	6581100024	2	LIGHT ASSEMBLY - MODIFIED BOOM (COMPLETE ASSEMBLY)
101		7950180141	2	WASHER, FLAT 1/2"
102	+=	6246100015	1	CABLE ASSEMBLY - BOOM FLOODLIGHT
102	+=	6246100259	1	CABLE ASSEMBLY - BOOM LIGHTS (COMPLETE ASSEMBLY)
103		7850000208	42	CABLE TIE, BLACK
104		7300000243	1	CLAMP, TUBING 3/4" I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP

= REFER TO MCI FOR APPLICABLE NUMBER



Manitowoc Cranes

Description

LIGHT ASSEMBLY - MODIFIED BOOM (COMPLETE ASSEMBLY)

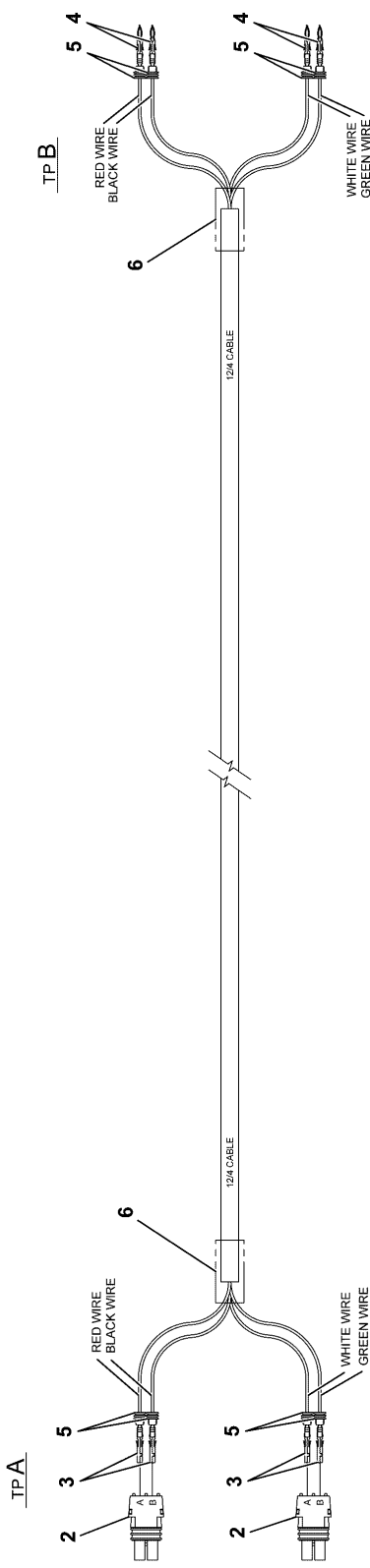
Assembly No.

6581100024

Revision: #

Item	FN	Part	Qty	Description
1		7581100001	1	LIGHT, WORK
		9581100391	1	INCLUDES THE FOLLOWING PARTS
		7364001683	1	BEAM, SEALED 12 VOLT
2		7364001683	1	CONNECTOR, 2 CONDUCTOR
				SHROUD
3		7892000252	2	TERMINAL, MALE PIN
4		7892000255	2	TERMINAL, GRAY CABLE SEAL

Manitowoc Cranes



Manitowoc Cranes

Description

CABLE ASSEMBLY - BOOM LIGHTS (COMPLETE ASSEMBLY)

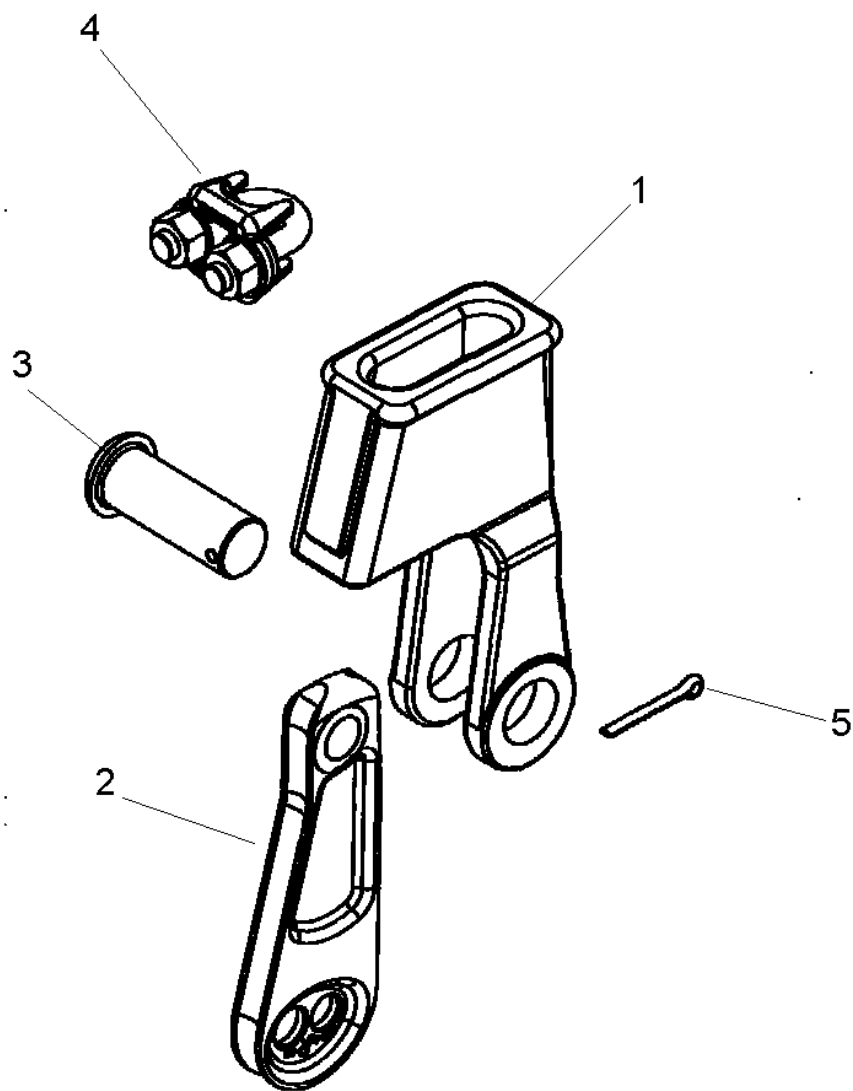
Assembly No.

6246100259

Revision: **A**

Item	FN	Part	Qty	Description
2		7364001682	2	CONNECTOR, 2 CONDUCTOR TOWER WITH SEAL
3		7364001847	4	TERMINAL, FEMALE SLEEVE
4		7364001846	4	TERMINAL
5		7892000256	8	TERMINAL, BLUE CABLE SEAL
6		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)

Manitowoc Cranes



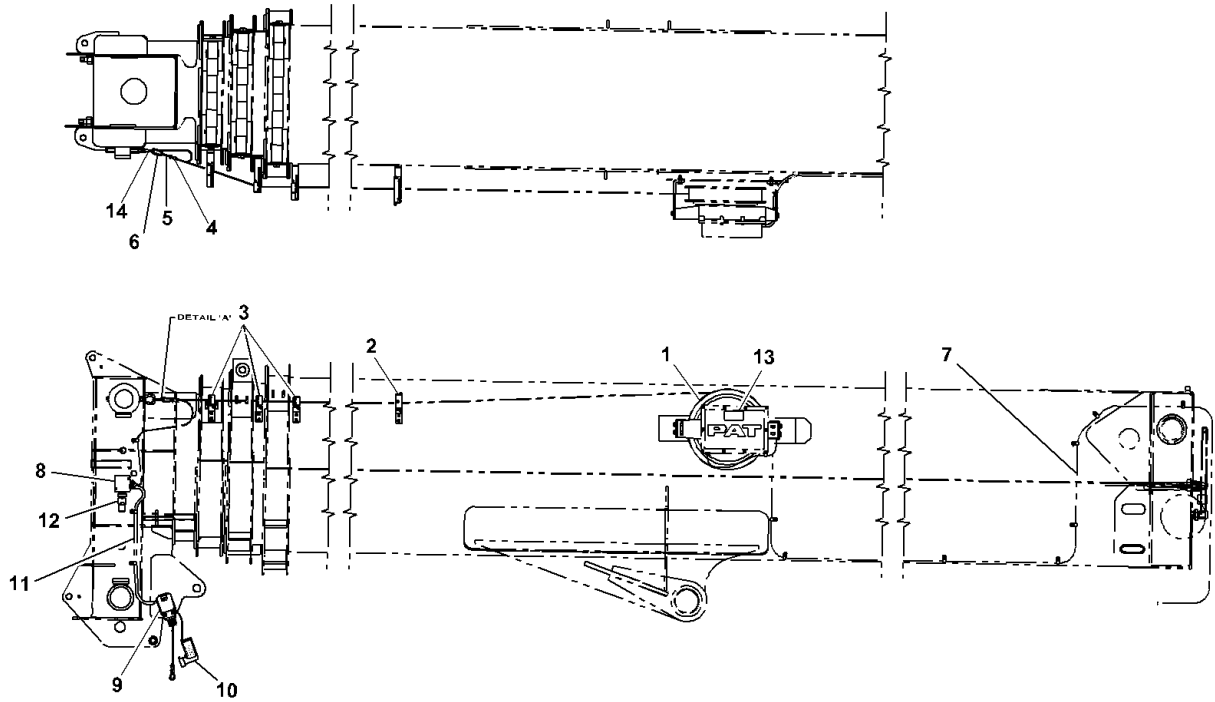
Manitowoc Cranes

Description
SOCKET ASSY 5/8"

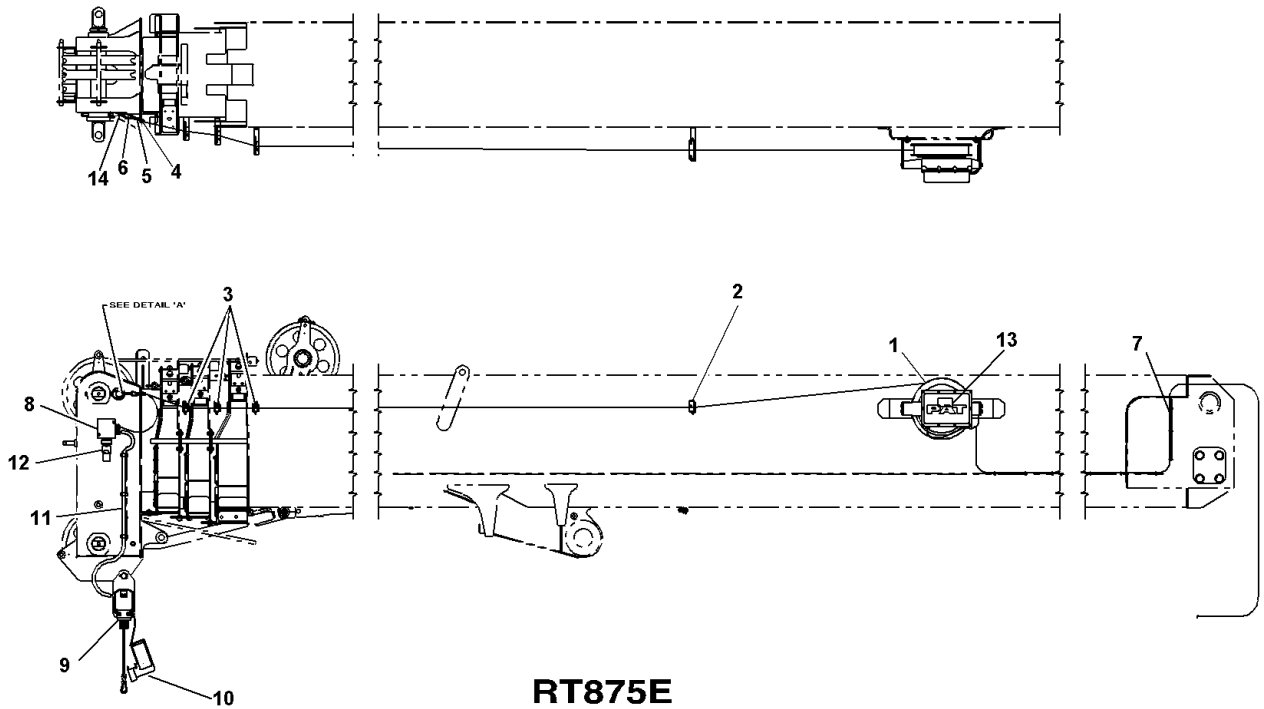
Assembly No.
7826100017
 Revision:

Item	FN	Part	Qty	Description
1		NSS	1	SOCKET
2		9826100007	1	WEDGE
3		9826100008	1	PIN
4		9914100042	1	CLIP
5		9826100009	1	PIN, COTTER

Manitowoc Cranes

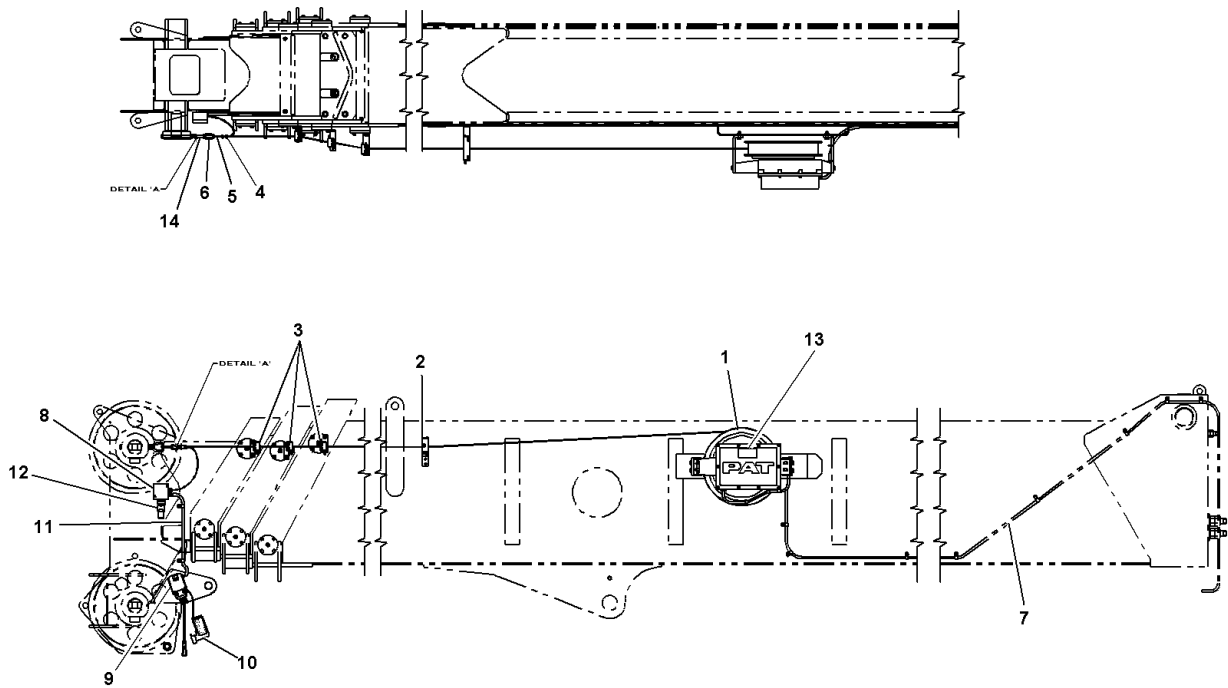


RT700E AND TMS700E

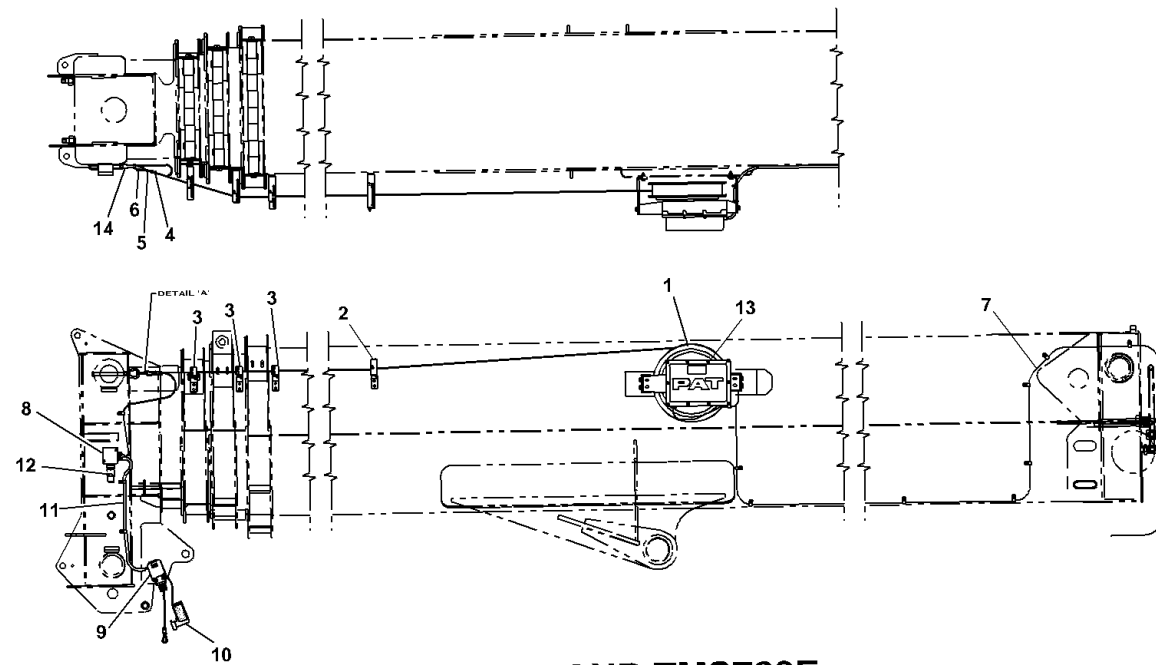


RT875E

Manitowoc Cranes

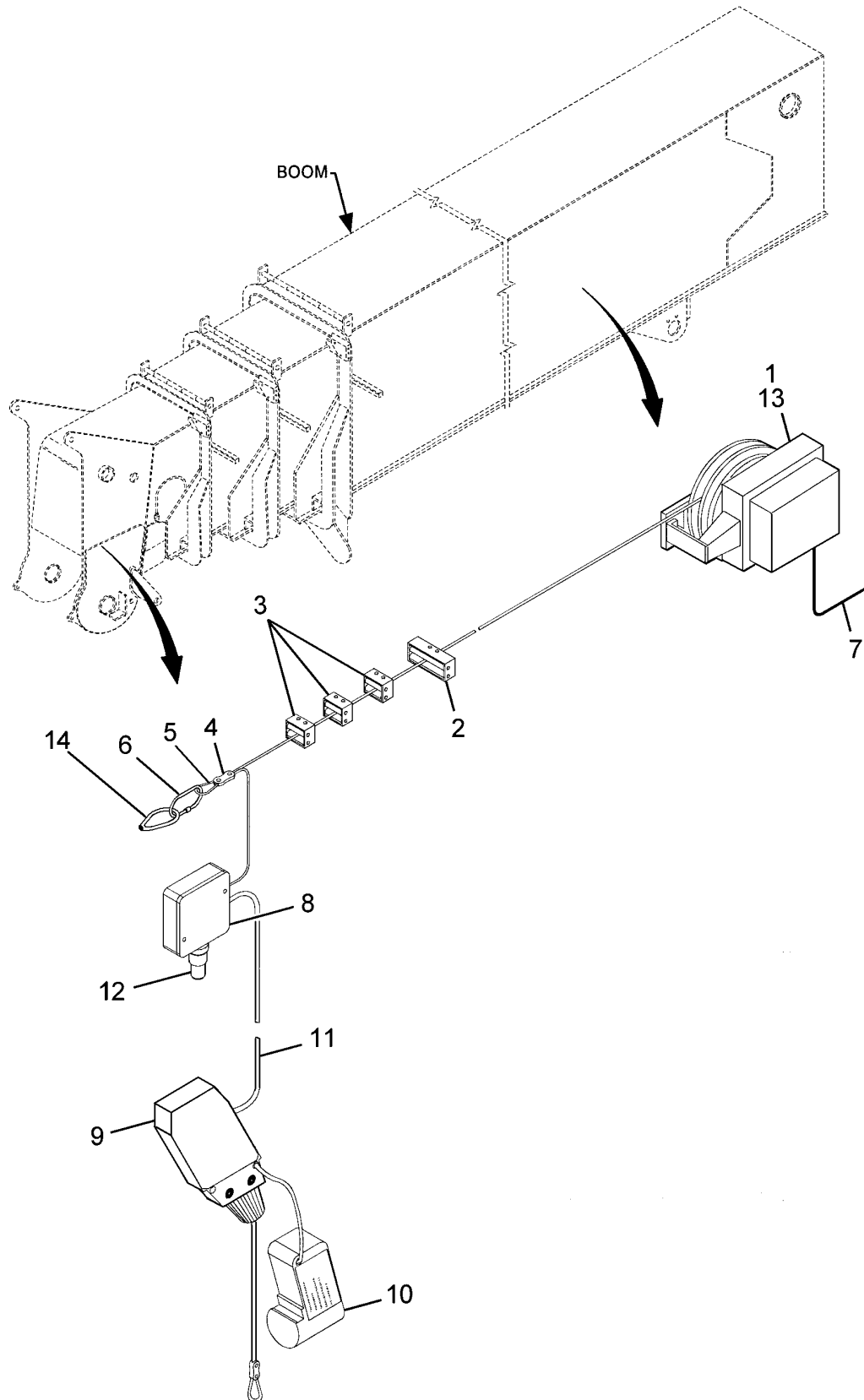


RT600E



RT700E AND TMS700E

Manitowoc Cranes



Manitowoc Cranes

Description

KIT INSTALLATION - iFLEX 5 LMI BOOM

Assembly No.

7598100094

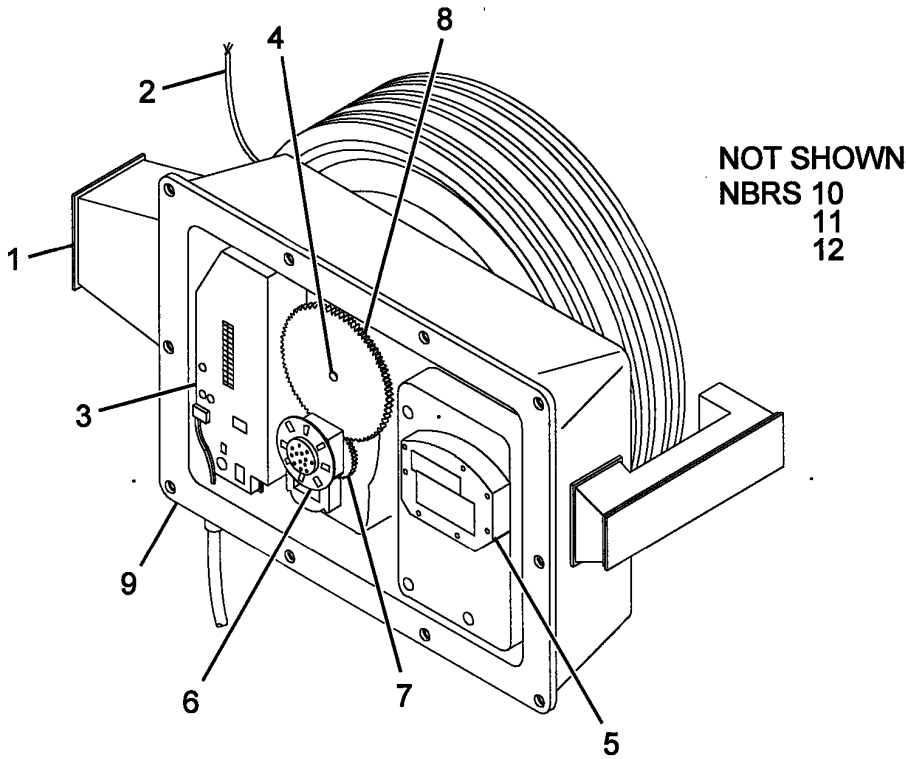
Revision: **A**

Item	FN	Part	Qty	Description
1	+	9333103873	1	CABLE REEL LWG508 - IFLEX 5
2	+	9333101437	1	ROLLER GUIDE ASSEMBLY
3		9333101435	3	GUIDE, CABLE
4		9333103094	1	CLAMP, CABLE
5		9333103697	1	THIMBLE ASSY. 1/8" CABLE
6		9333102620	1	CONNECTOR, CHAIN 2 7/16"
7		9333103872	1	CABLE, CANBUS 11M W/MOLDED M12
8	+	9333103565	1	BOX ASSEMBLY - JUNCTION
9		9333102230	1	A2B SWITCH - WITH RETAINER CRIMP
10	+	9333102633	1	FLAG ASSEMBLY - A2B RETAINER (COMPLETE ASSEMBLY)
11		9333102235	2	CONDUIT (CUT TO LENGTH REQUIRED)
12	+	9333102765	1	CONNECTOR ASSEMBLY DUMMY PLUG, 2-PIN
13	#	7296000004	1	INHIBITOR, CORROSION VAPOR CONTROL
14		9333103768	1	NUT, EYE

+ SEE FURTHER BREAKDOWN THIS GROUP

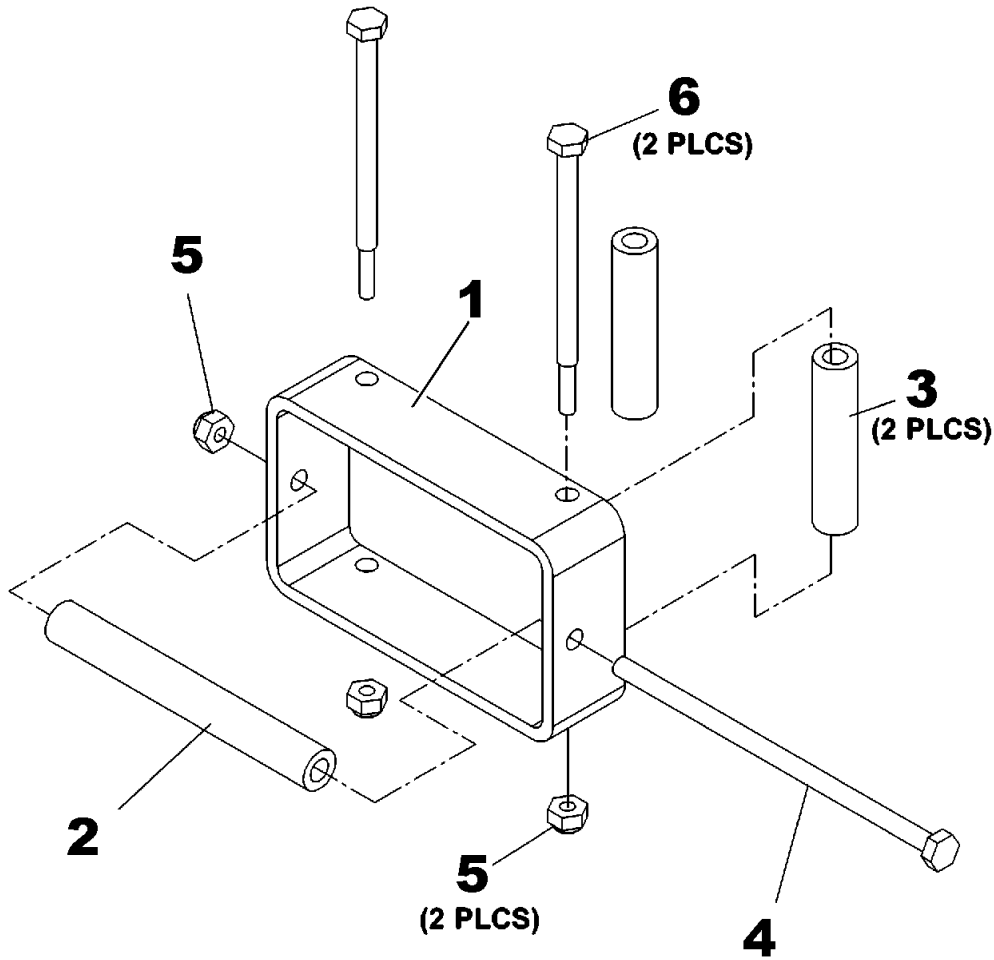
SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

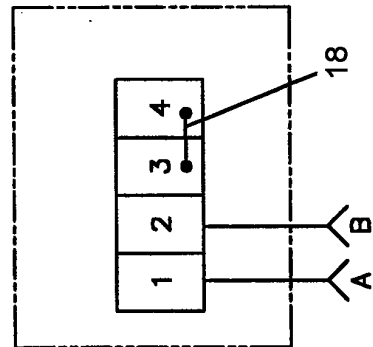
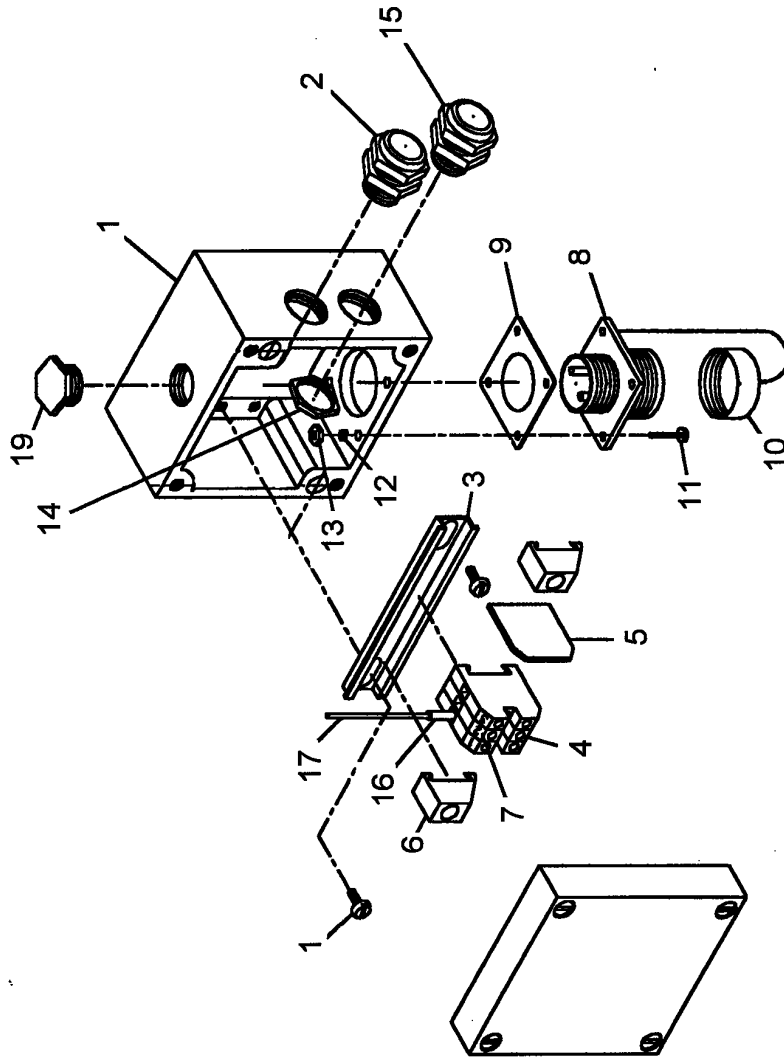
Description				Assembly No.
CABLE REEL LWG508 - IFLEX 5				9333103873
				Revision:
Item	FN	Part	Qty	Description
1		NSS	1	DRUM BODY, W/CABLE REEL HOUSING, INCLUDES ITEM 14 FOR SERVICE
2		9333102986	139	CORE W/ SCREEN (BULK)
3		9333103896	1	P.C. BOARD
4		9333103897	1	POTENTIOMETER,LENGTH
5		9333103898	1	SENSOR,ANGLE
6		9333103904	1	SLIP RING ASSY. 2 CONN.
7		9333103905	1	GEAR, 25T
8		9333101625	1	GEAR, 75T
9		9333103906	1	PLUG,CONNECTOR ASSY.5 PIN PASS
10		9333103907	1	COVER
11		9333101565	1	SEAL, COVER
12		9333101566	10	SCREW, COVER
14		90019021	1	HOUSING, DRUM W/SPRINGS , ITEM NOT SHOWN



Manitowoc Cranes

<u>Description</u> ROLLER GUIDE ASSEMBLY				<u>Assembly No.</u> 9333101437 Revision:
Item	FN	Part	Qty	Description
1		203582	1	TUBE
2		203583	1	ROLLER
3		203584	2	ROLLER
4		7115144450	1	CAP SCREW, 1/4-20UNC X 5 1/2
5		846531	3	NUT, SELF-LOCKING
6		7115143250	2	CAP SCREW, 1/4" - 20 N.C. X 4" GRADE 5

Manitowoc Cranes

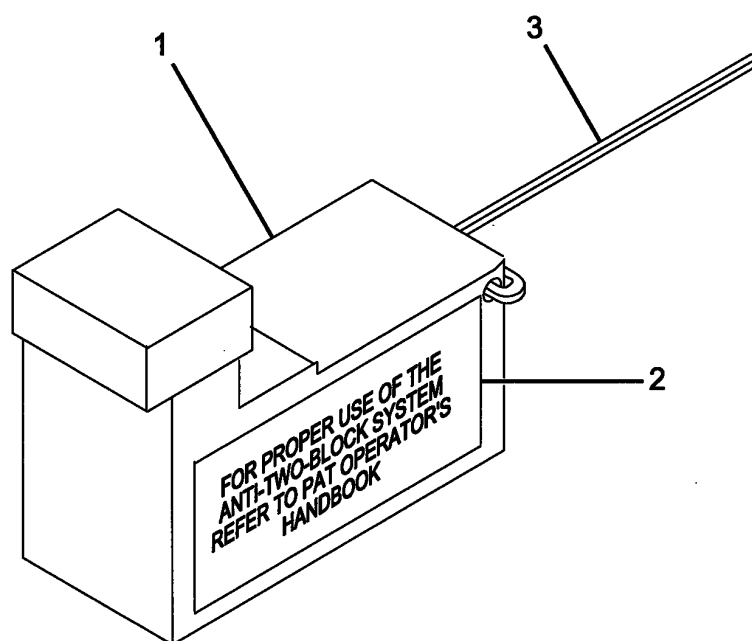


WIRING DETAIL

Manitowoc Cranes

Description BOX ASSEMBLY - JUNCTION				Assembly No. 9333103565 Revision:
Item	FN	Part	Qty	Description
1		9333103735	1	BOX, JUNCTION
2		9333102056	1	STRAIN RELIEF WHITE INSERT - PG9
3		9333102759	1	RAIL, TERMINAL STRIP MOUNTING
4		9333102663	4	BLOCK, TERMINAL STRIP
5		9333102664	1	PLATE, TERMINAL STRIP END
6		9333102665	2	BRACKET, TERMINAL STRIP END
7		9333103044	1	MARKING TAGS, 1-5
8		9333102792	1	CONNECTOR, CANNON 2-SOCKET RECEPTACLE,
9		9333102482	1	GASKET
10		9333102612	1	COVER, DUST
11		9333102669	4	SCREW #4
12		9333102266	4	WASHER, LOCK #4
13		9333102480	4	NUT #4
14		9333101984	1	LOCKNUT PG9
15		9333103041	1	RELIEF, VALVE PG9 W/ YELLOW INSERT
16		9333103042	2	CRIMP FERRULE, 20 AWG
17		9333102479	1	WIRE
18		9333102717	1	BAR, 2-POLE JUMPER
19		9333102808	1	PLUG, HOLE

Manitowoc Cranes

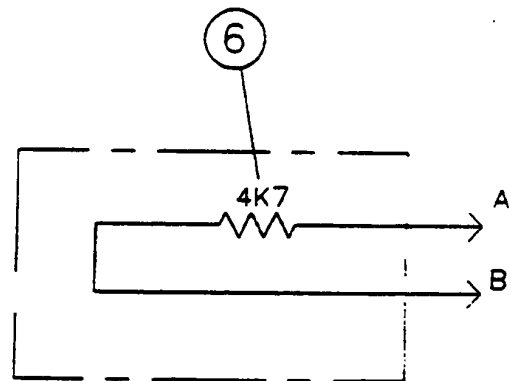
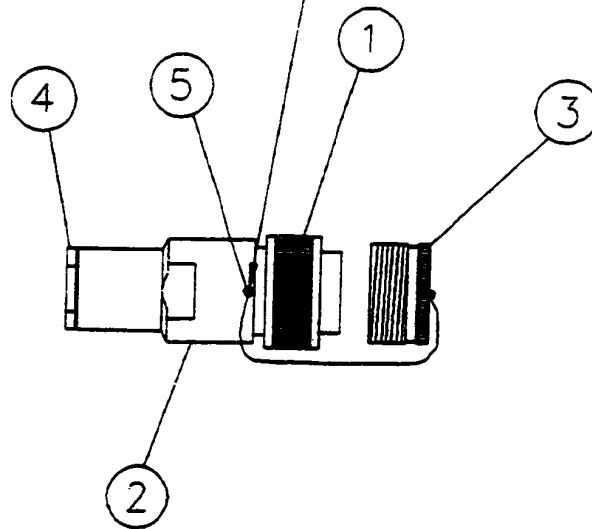


Manitowoc Cranes

Description				Assembly No.
FLAG ASSEMBLY - A2B RETAINER (COMPLETE ASSEMBLY)				9333102633
				Revision:
Item	FN	Part	Qty	Description
1		9333102373	1	FLAG, RETAINER
2		9333102618	1	DECAL, A2B
3		9333102232	1	LANYARD

Manitowoc Cranes

NOTE: SCREW TO HOUSING CONNECTION
MUST BE WATER TIGHT.



WIRING DETAIL

NOTES:

$\text{---}\text{4K7}\text{---}$ = 4.7 k Ω RESISTOR (1/4 W)

NC = NOT CONNECTED

CONNECTOR ASSEMBLY

Manitowoc Cranes

Description

CONNECTOR ASSEMBLY DUMMY PLUG, 2-PIN

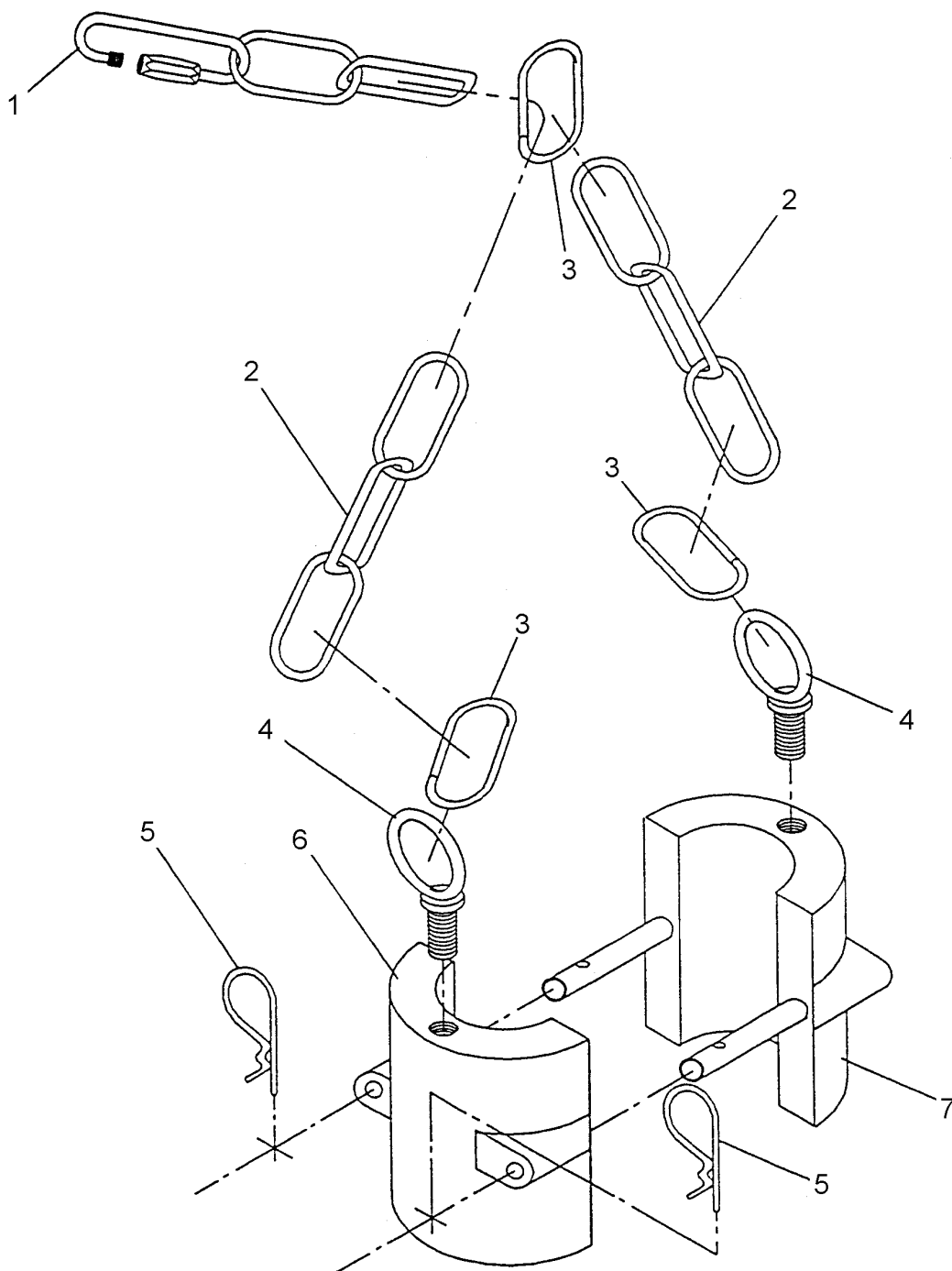
Assembly No.

9333102765

Revision:

Item	FN	Part	Qty	Description
1		9333103040	1	CANNON CONNECTOR, 2-PIN PLUG
2		9333102770	1	HOUSING, CANNON CONNECTOR END #16
3		9333102615	1	COVER, DUST PLUG END
4		9333102047	1	PLUG, HOLE
5		9333102790	1	SCREW, SLOTTED MACHINE
6		9333101465	1	RESISTOR, 4700 OHMS

Manitowoc Cranes



Manitowoc Cranes

Description

WEIGHT AND CHAIN ASSEMBLY (COMPLETE ASSEMBLY)

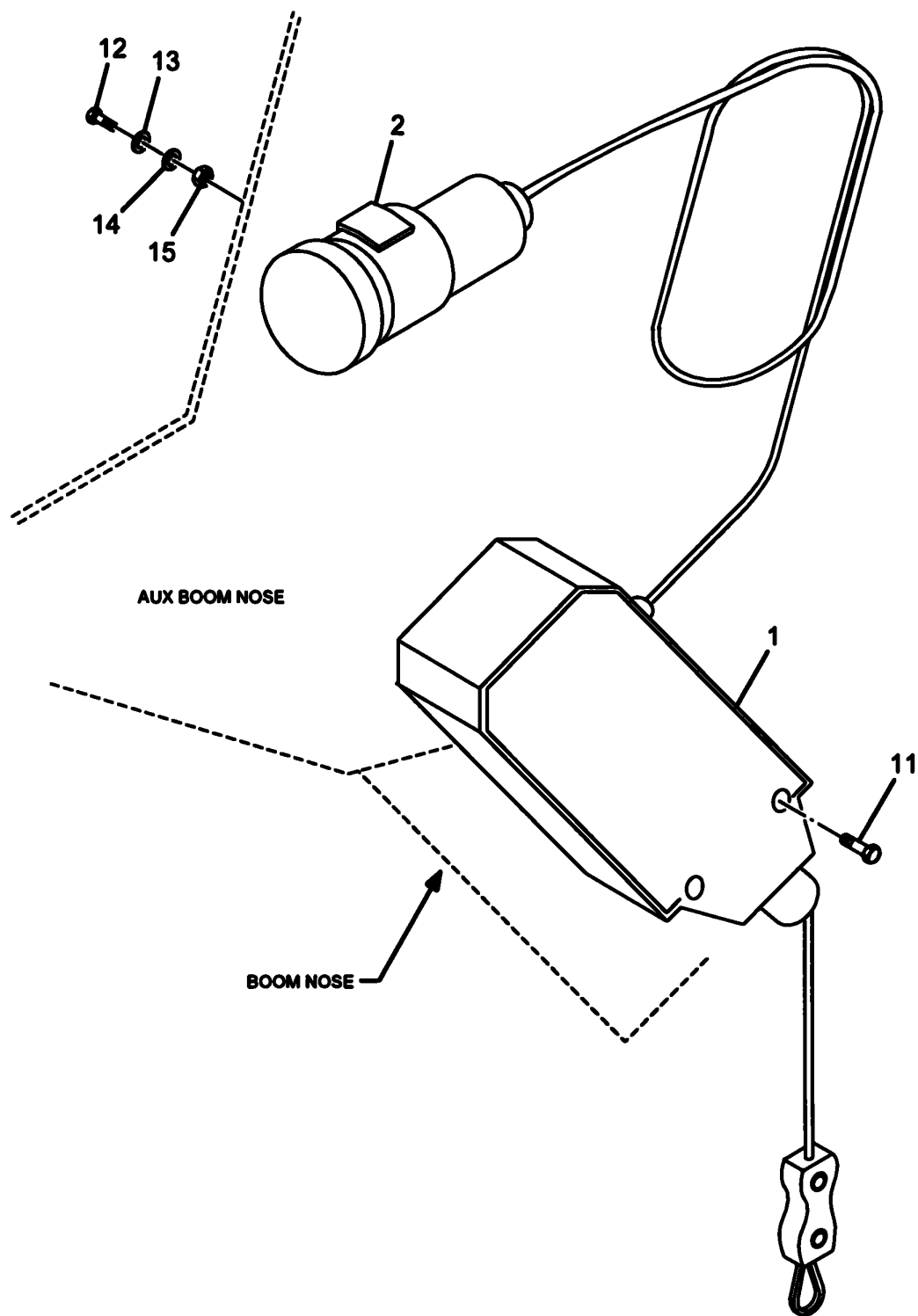
Assembly No.

3486000212

Revision:

Item	FN	Part	Qty	Description
1		9333101840	1	CLEVIS
2		9333101921	1	CHAIN ASSEMBLY
3		9333101922	3	CLAMP, CHAIN
4		9333101923	2	EYEBOLT
5		9333101916	2	PIN, COTTER
6		9333101924	1	WEIGHT, FEMALE
7		9333101925	1	WEIGHT, MALE

Manitowoc Cranes



Manitowoc Cranes

Description

KIT-LMI AUXILARY BOOM NOSE

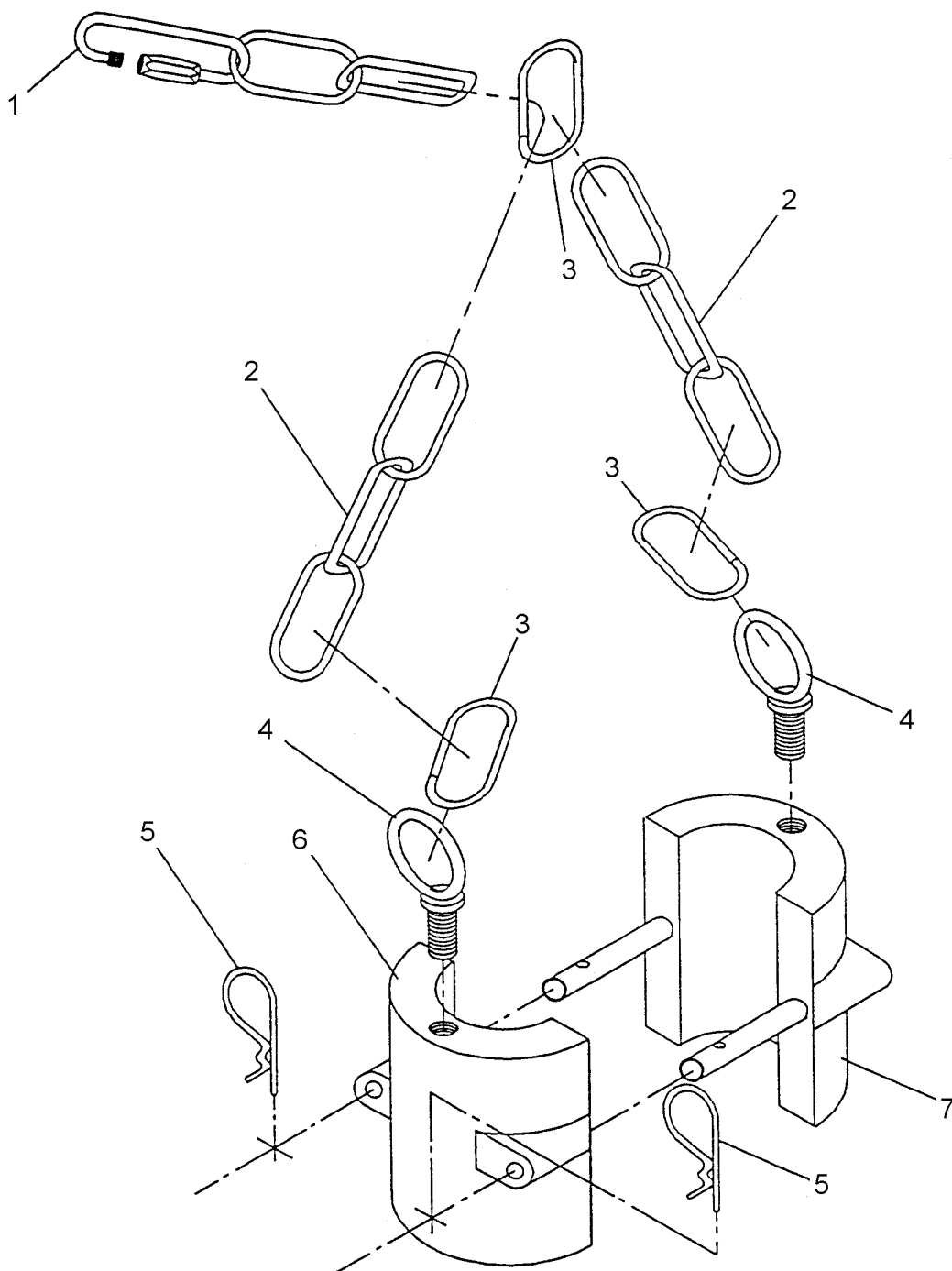
Assembly No.

7598100004

Revision: #

Item	FN	Part	Qty	Description
1		9333103729	1	SWITCH ASSEMBLY
2		9333103703	1	CLIP, GRIPPER
11		7110151205	1	CAP SCREW, 5/16" - 18 N.C. X 1 1/2" GRADE 1
12		7115140650	1	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
13		7950140141	1	WASHER, FLAT 1/4" PLAIN NARROW
14		7950140050	1	WASHER, LOCK 1/4"
15		7660140000	1	NUT, HEX 1/4" - 20 N.C.

Manitowoc Cranes



Manitowoc Cranes

Description

WEIGHT AND CHAIN ASSEMBLY (COMPLETE ASSEMBLY)

Assembly No.

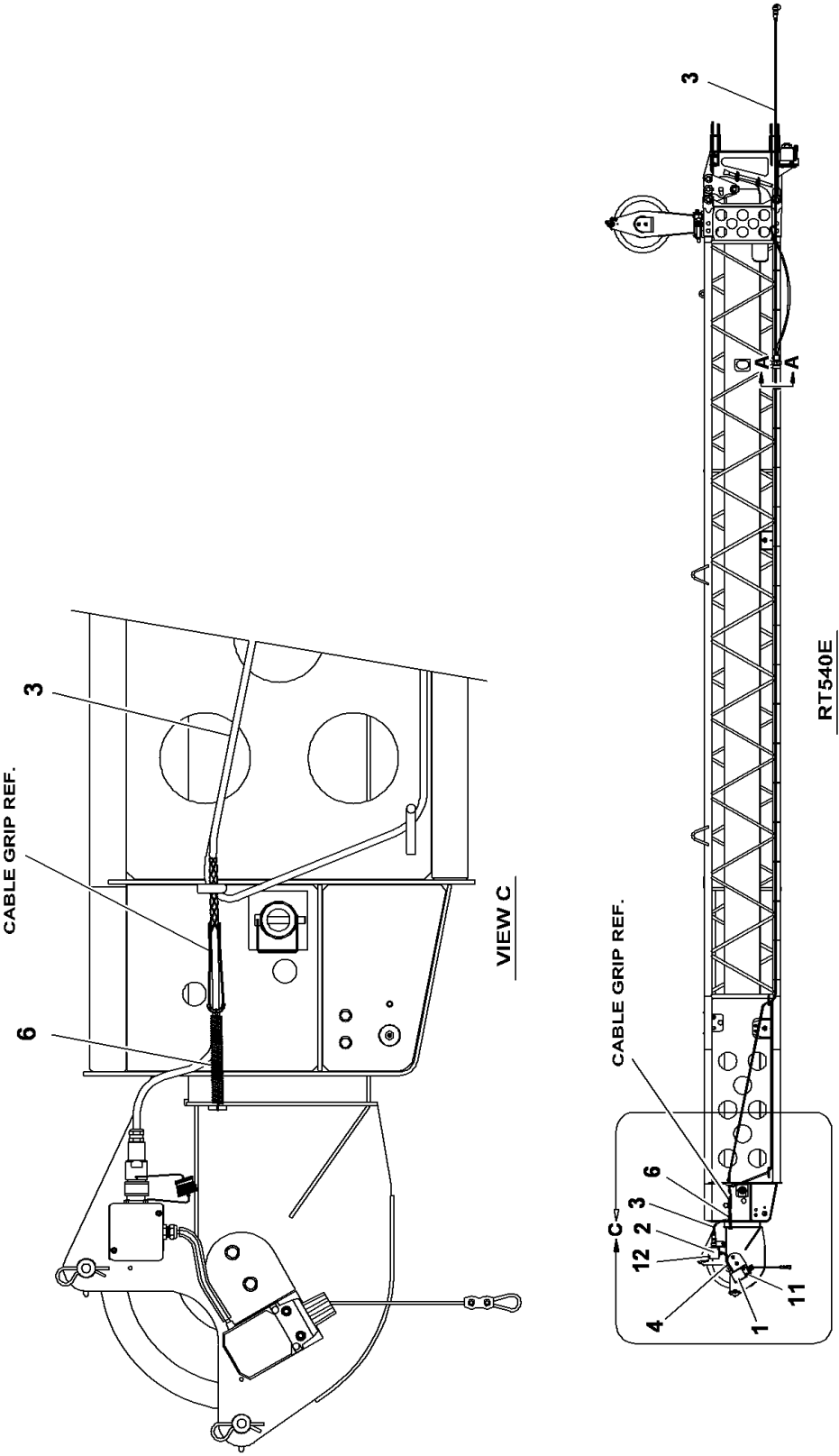
3486000212

Revision:

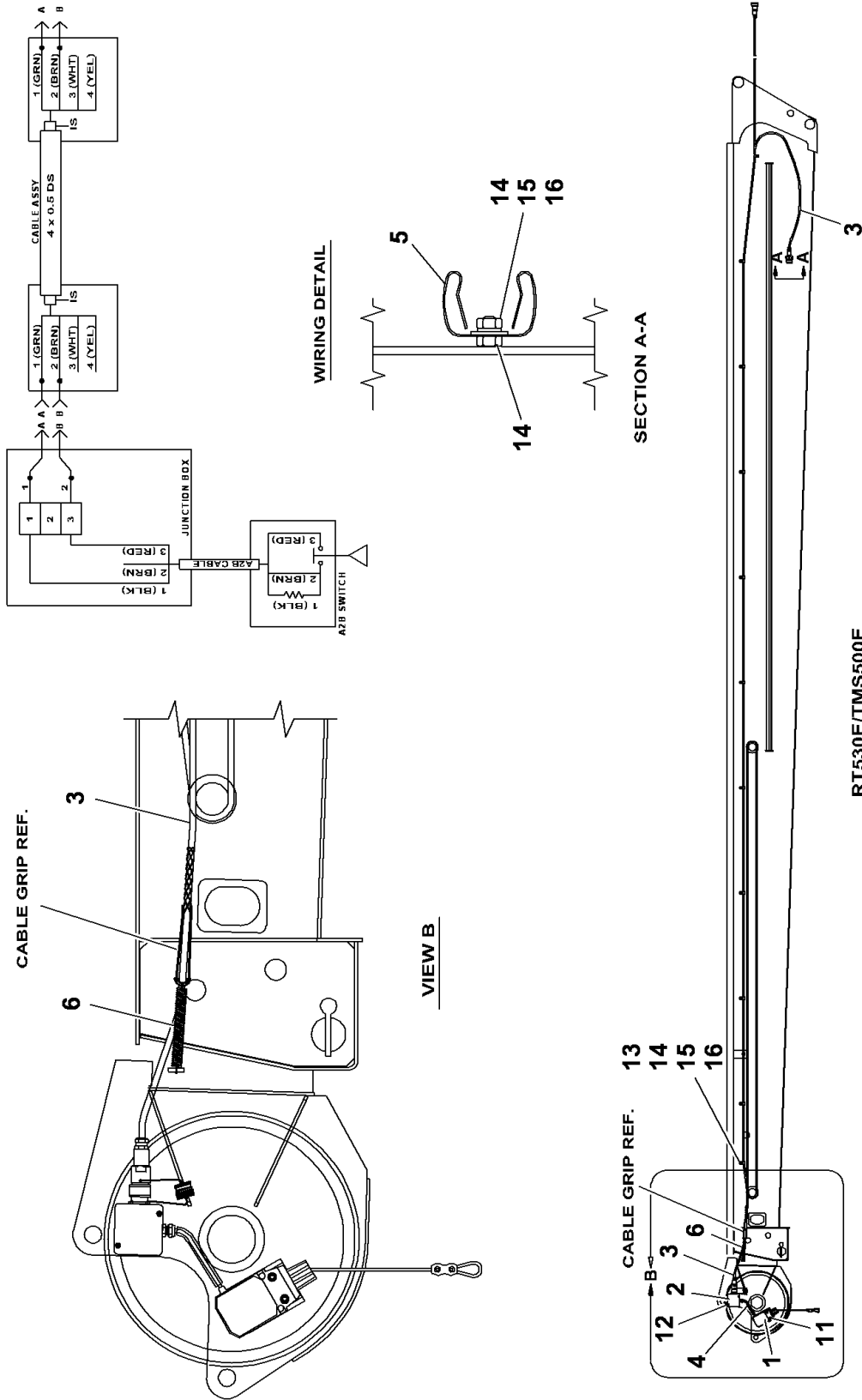
Item	FN	Part	Qty	Description
1		9333101840	1	CLEVIS
2		9333101921	1	CHAIN ASSEMBLY
3		9333101922	3	CLAMP, CHAIN
4		9333101923	2	EYEBOLT
5		9333101916	2	PIN, COTTER
6		9333101924	1	WEIGHT, FEMALE
7		9333101925	1	WEIGHT, MALE

Manitowoc Cranes

Notes



Manitowoc Cranes



Manitowoc Cranes

Description

EXTENSION KIT INSTALLATION - BOOM

Assembly No.

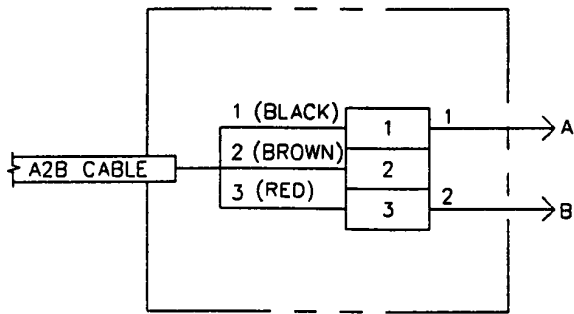
7598100003

Revision: **C**

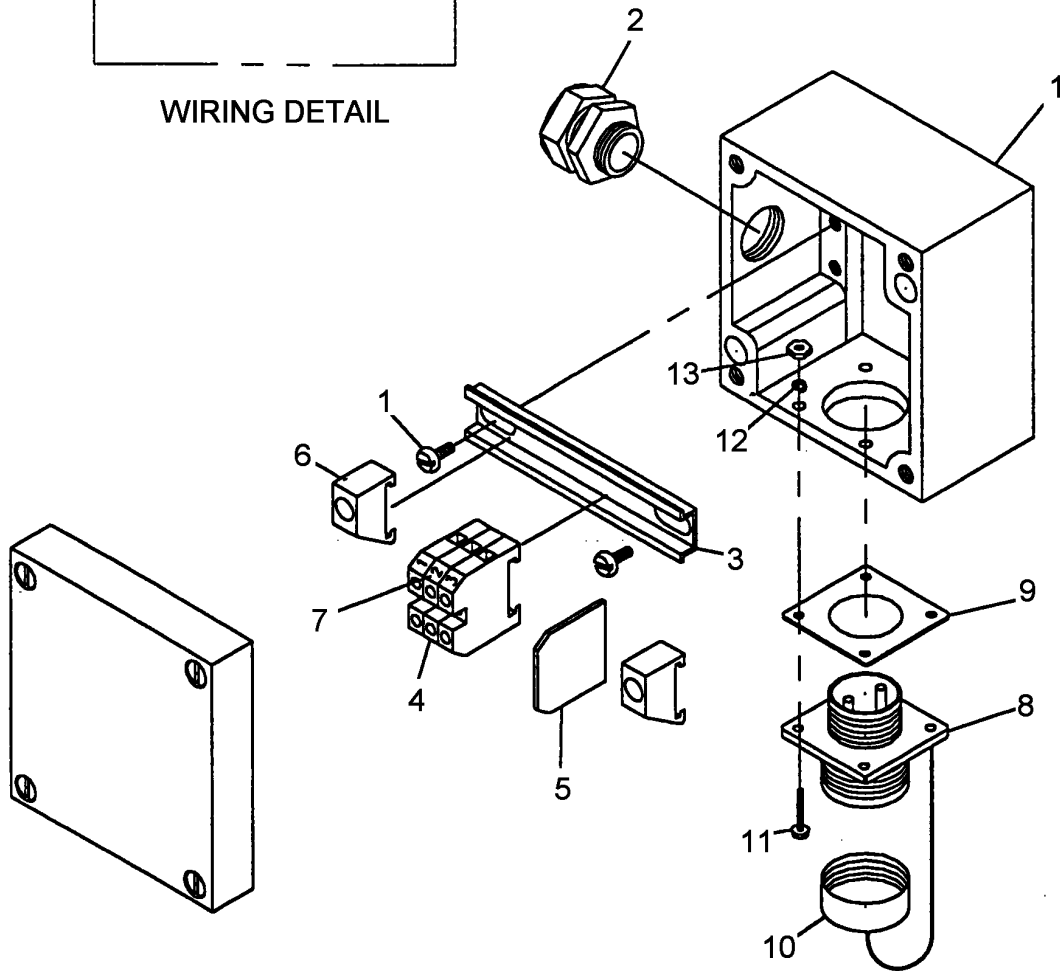
Item	FN	Part	Qty	Description
1	+	9333102238	1	A2B SWITCH, WITHOUT CRIMP
2		9333102768	1	JUNCTION BOX ASSEMBLY - 80MM X 75MM, PG9 + 2-PIN
3		9333103701	1	CABLE ASSEMBLY INCLUDES THE FOLLOWING PARTS
		9333103739	1	GRIP, CABLE
4		9333102235	1	CONDUIT (CUT TO LENGTH REQUIRED)
5		9333103730	1	CLIP, GRIPPER
6		9333103738	1	SPRING
11		7110151205	2	CAP SCREW, 5/16" - 18 N.C. X 1 1/2" GRADE 1
12		7110080605	2	CAP SCREW, 5/32" - 32 N.C. X 3/4" GRADE 1
13		7300000100	11	CLAMP, TUBING 3/8" I.D.
14		7660140000	12	NUT, HEX 1/4" - 20 N.C.
15		7950140141	12	WASHER, FLAT 1/4" PLAIN NARROW
16		7950140050	12	WASHER, LOCK 1/4"

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



WIRING DETAIL



EXPLODED VIEW

Manitowoc Cranes

Description

JUNCTION BOX ASSEMBLY - 80MM X 75MM, PG9 + 2-PIN

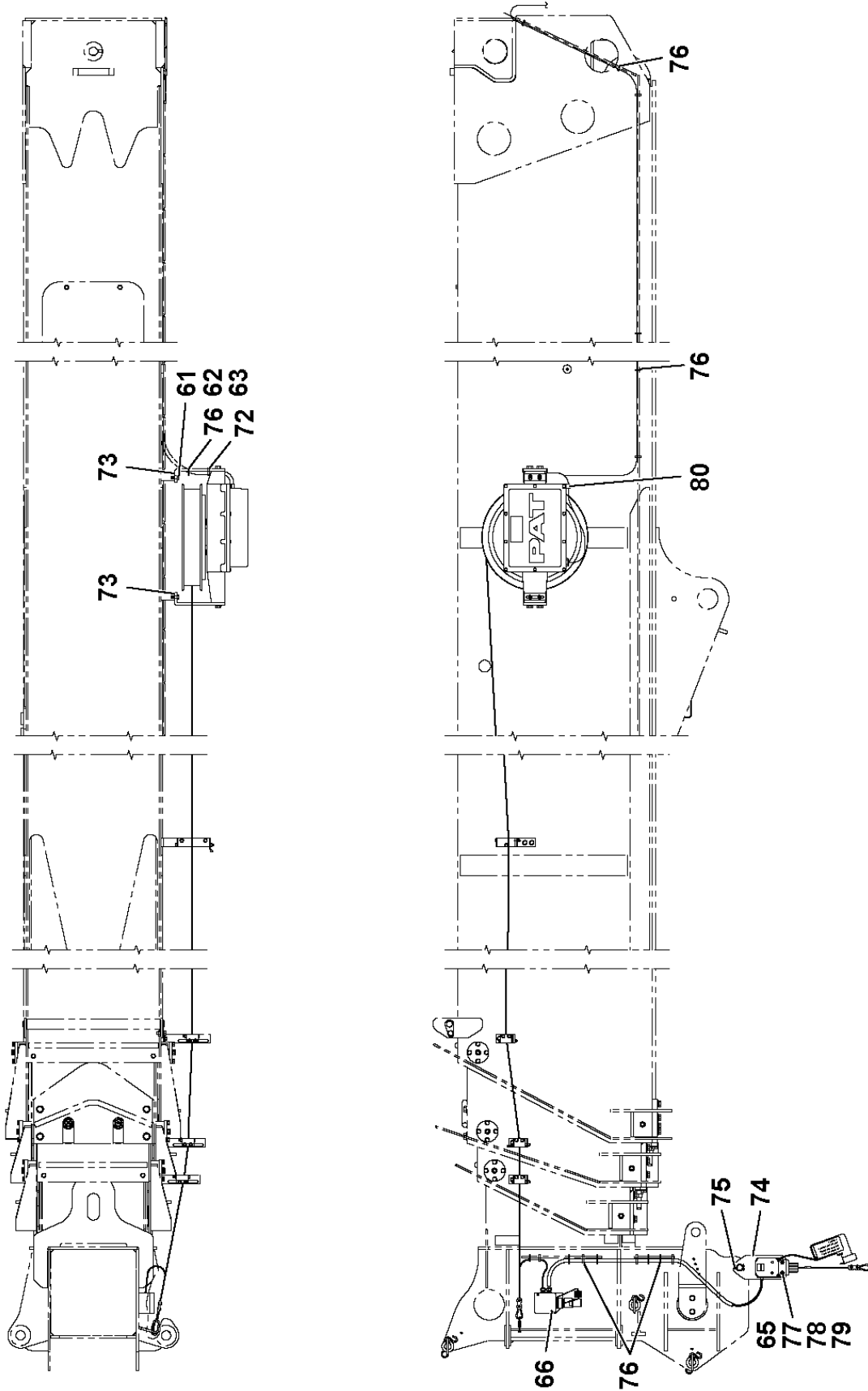
Assembly No.

9333102768

Revision:

Item	FN	Part	Qty	Description
1		9333104159	1	JUNCTION BOX,- MACHINED
2		9333102674	1	STRAIN RELIEF PG9
3		9333102759	1	RAIL, TERMINAL STRIP MOUNTING
4		9333102663	3	BLOCK, TERMINAL STRIP
5		9333102664	1	PLATE, TERMINAL STRIP END
6		9333102665	2	BRACKET, TERMINAL STRIP END
7		9333102666	1	TAGS, TERMINAL STRIP
8		9333102760	1	CONNECTOR, CANNON 2-PIN MALE RECEPTACLE
9		9333102482	1	GASKET
10		9333102612	1	COVER, DUST
11		9333102669	4	SCREW #4
12		9333102266	4	WASHER, LOCK #4
13		9333102480	4	NUT #4

Manitowoc Cranes



Manitowoc Cranes

Description

LMI BOOM INSTALLATION KIT-IFLEX 5

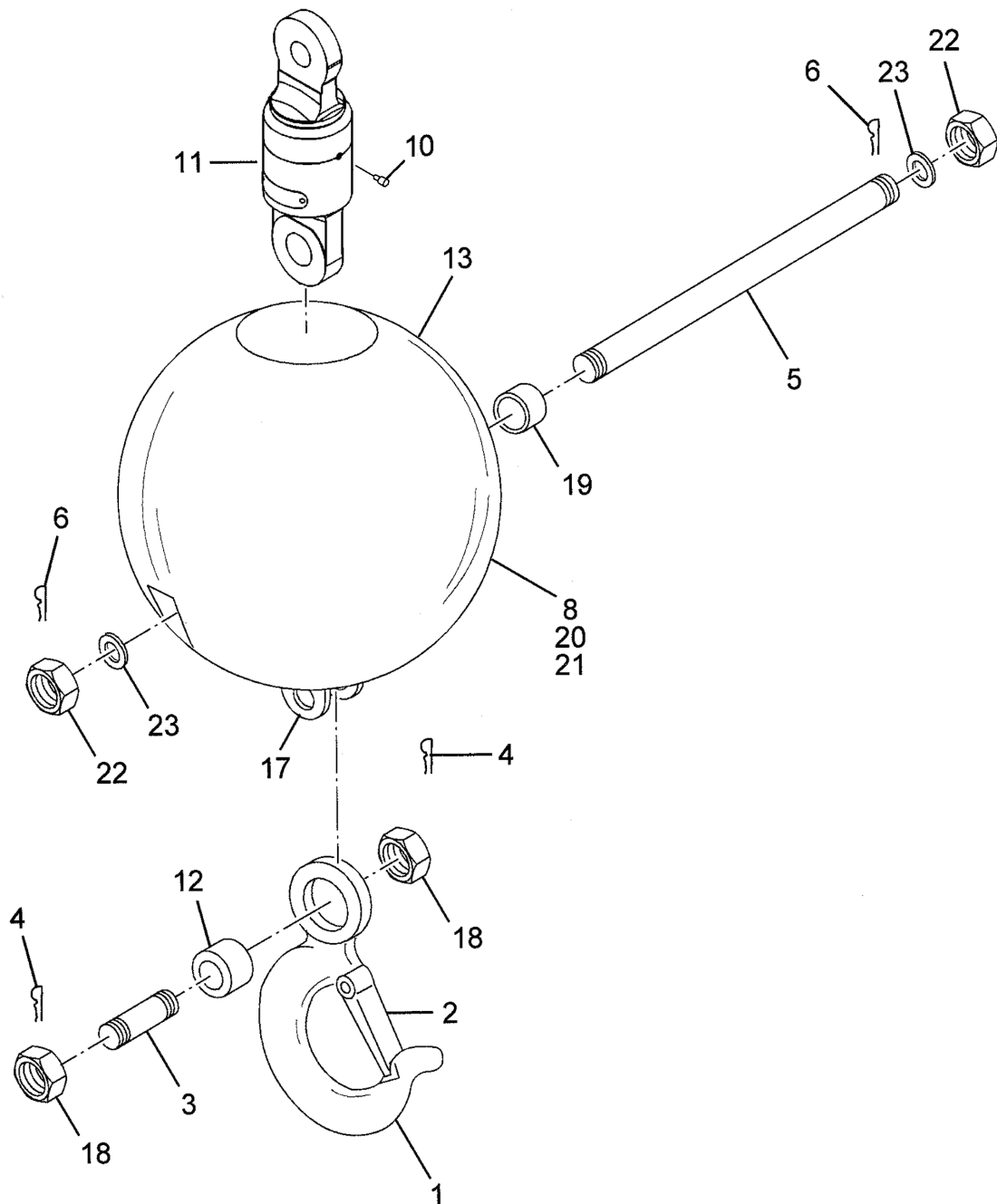
Assembly No.

80022631

Revision: #

Item	FN	Part	Qty	Description
61		7115160850	4	CAP SCREW, 3/8" - 16 N.C. X 1" GRADE 5
62		7950160161	4	WASHER, FLAT WIDE 3/8
63		7950160050	4	WASHER, LOCK 3/8" I.D.
65		7110151605	2	CAP SCREW, 5/16" -18 N.C. X 2" GRADE 1
66		7128111154	2	SHCS M4x20 -12.9 ISO 4762
72		7850000805	1	TIE, CABLE (BLACK) 13 3/8" LONG
73		6705017532	1	SHIM,
74		4197910236	1	PLATE, ANTI 2 BLOCK
75		7690102410	1	PIN, COTTER 3/16" X 1 1/2"
76		7850000237	43	TIE, CABLE (BLACK) 7 5/16" LONG
77		7950150141	2	WASHER, FLAT 5/16"
78		7950150050	2	WASHER, LOCK 5/16" I.D.
79		7660150000	2	NUT, HEX 5/16" - 18 N.C.
80		7300100021	1	TUBING CLAMP - 3/16

Manitowoc Cranes



Manitowoc Cranes

Description

BALL ASSEMBLY - OVERHAUL (7.5 TON)

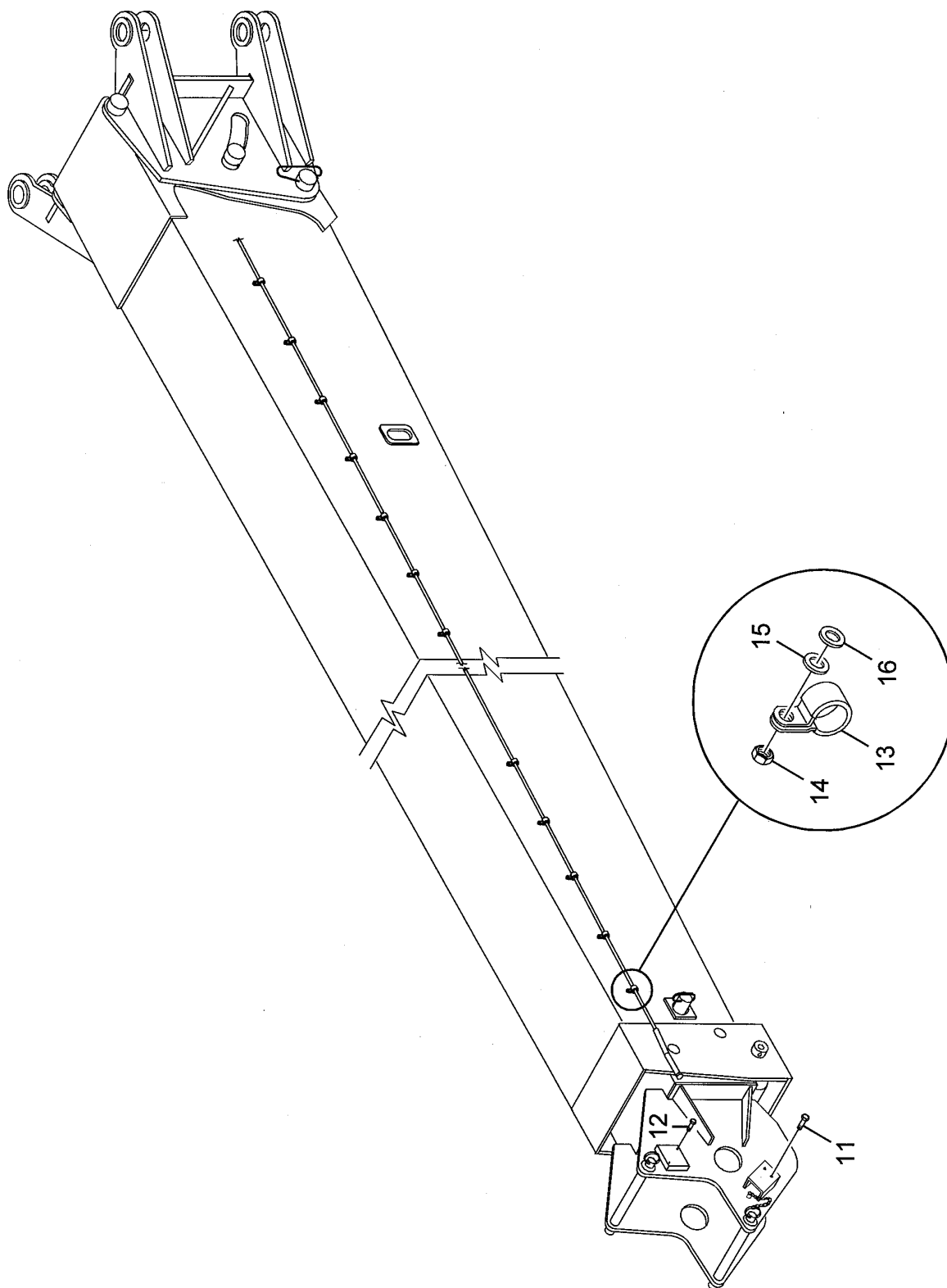
Assembly No.

7053100009

Revision:

Item	FN	Part	Qty	Description
1		9053100042	1	HOOK
2		9086100639	1	KIT, LATCH
				INCLUDES THE FOLLOWING PARTS
		9086100578	1	PIN, W/GROOVE
		9086100577	2	RING,RETAINER E-CLIP
		9086100579	1	SPRING
		9086100571	1	PIN, QUICK RELEASE
3		9053100043	1	PIN
4		9086100294	2	PIN, COTTER
5		9053100044	1	PIN
6		9053100003	2	PIN, COTTER
8		NSS	1	
				BALL
10		7440030000	1	FITTING, STRAIGHT GREASE 1/4" N.P.T.
11		9053100071	1	SWIVEL ASSY.
12		9053100047	1	SPACER
13		9086100305	1	PLATE, CAUTION
17		9053100086	2	PLATE, ADAPTER
18		9086100300	2	NUT
19		9053100050	1	SPACER
20		9053100051	1	PLATE,NAME I.D.
21		9086100327	8	DRIVE SCREW
22		9086100144	2	NUT
23		9053100038	2	WASHER,

Manitowoc Cranes



Manitowoc Cranes

Description

EXTENSION INSTALLATION - JIB BOOM

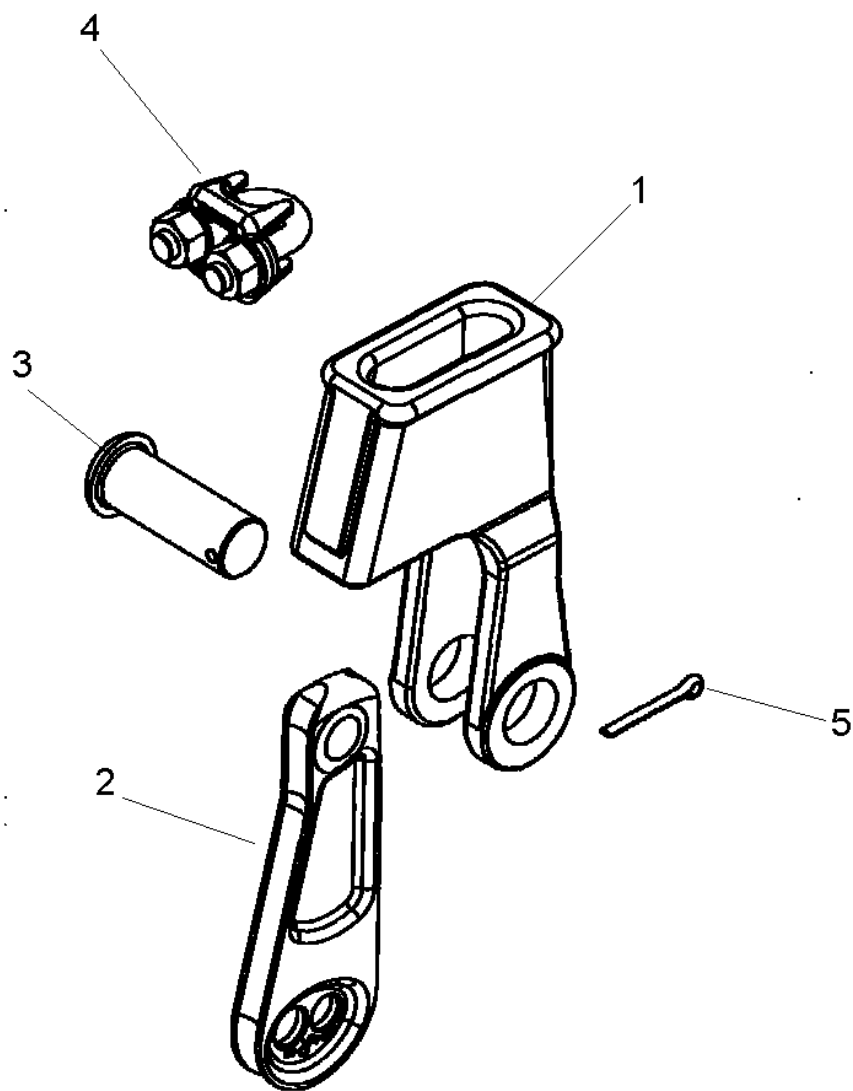
Assembly No.

6978100037

Revision: **C**

Item	FN	Part	Qty	Description
11		7110151205	2	CAP SCREW, 5/16" - 18 N.C. X 1 1/2" GRADE 1
12		7110080605	2	CAP SCREW, 5/32" - 32 N.C. X 3/4" GRADE 1
13		7300000100	11	CLAMP, TUBING 3/8" I.D.
14		7660140000	13	NUT, HEX 1/4" - 20 N.C.
15		7950140141	12	WASHER, FLAT 1/4" PLAIN NARROW

Manitowoc Cranes



Manitowoc Cranes

Description

SOCKET ASSY 5/8"

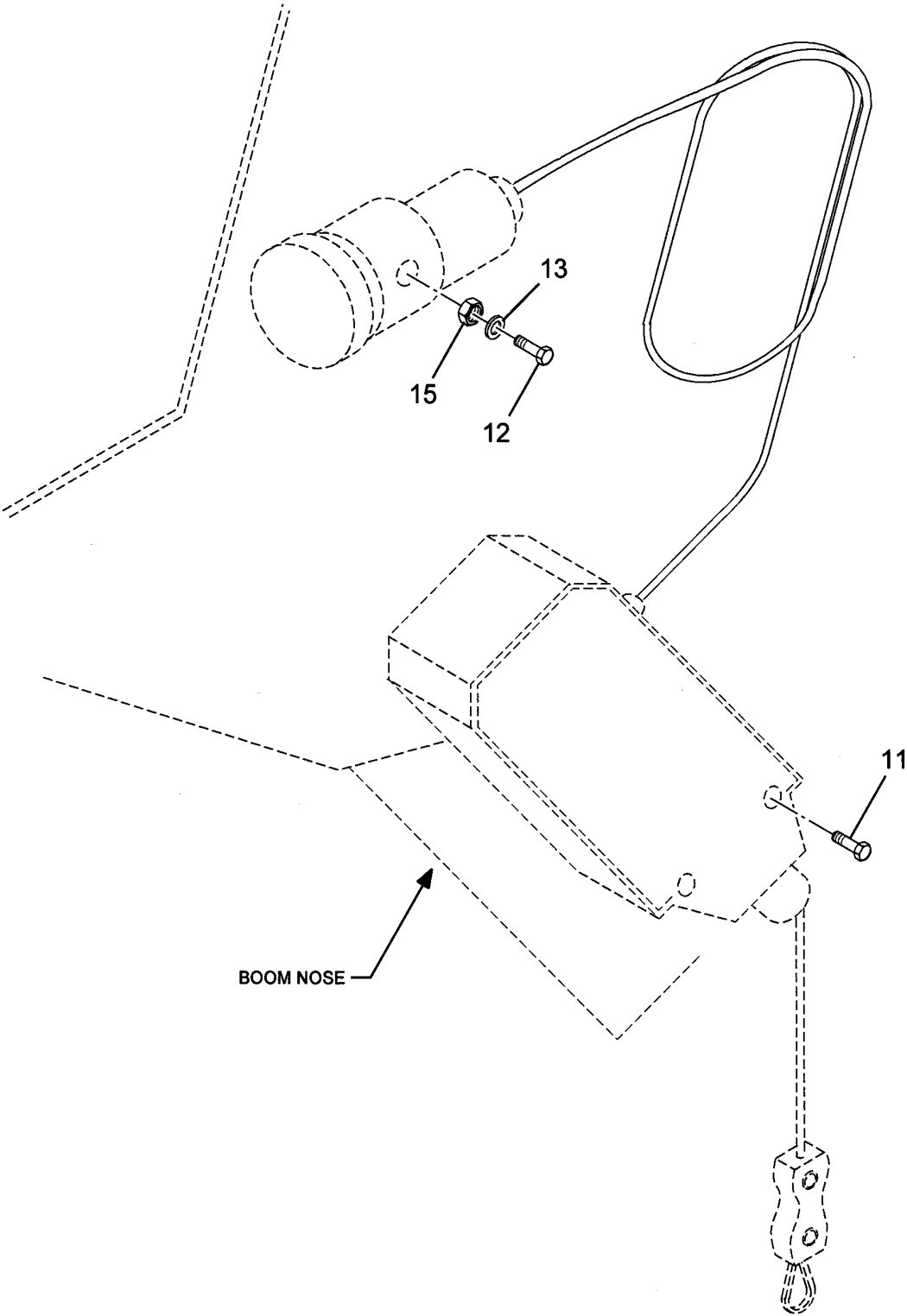
Assembly No.

7826100017

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	SOCKET
2		9826100007	1	WEDGE
3		9826100008	1	PIN
4		9914100042	1	CLIP
5		9826100009	1	PIN, COTTER

Manitowoc Cranes



Manitowoc Cranes

Description

LMI AUX BOOM NOSE KIT INSTL

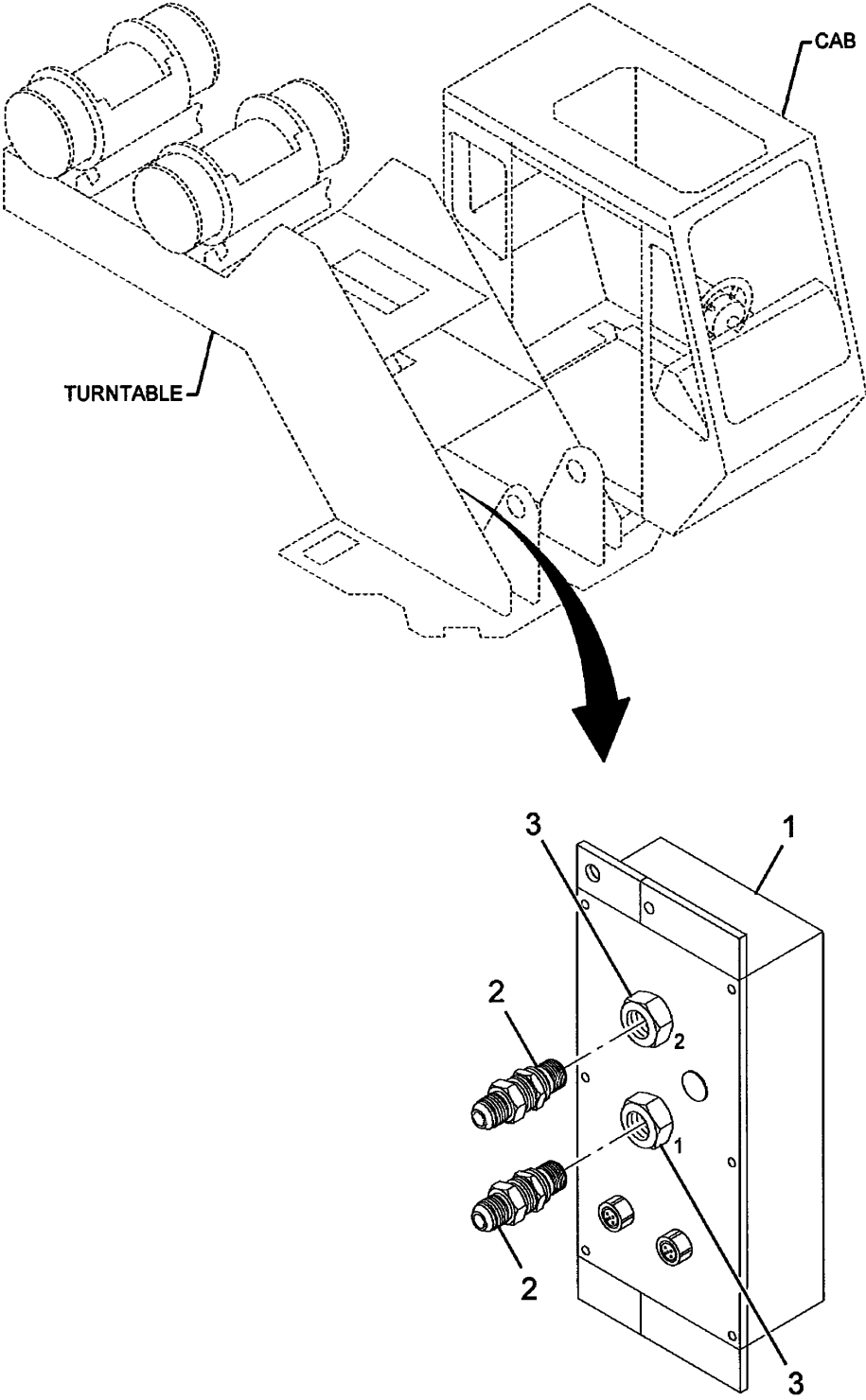
Assembly No.

6978100041

Revision: **C**

Item	FN	Part	Qty	Description
11		7110151205	2	CAP SCREW, 5/16" - 18 N.C. X 1 1/2" GRADE 1
12		7115140650	1	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
13		7950140141	1	WASHER, FLAT 1/4" PLAIN NARROW
15		7660140000	1	NUT, HEX 1/4" - 20 N.C.

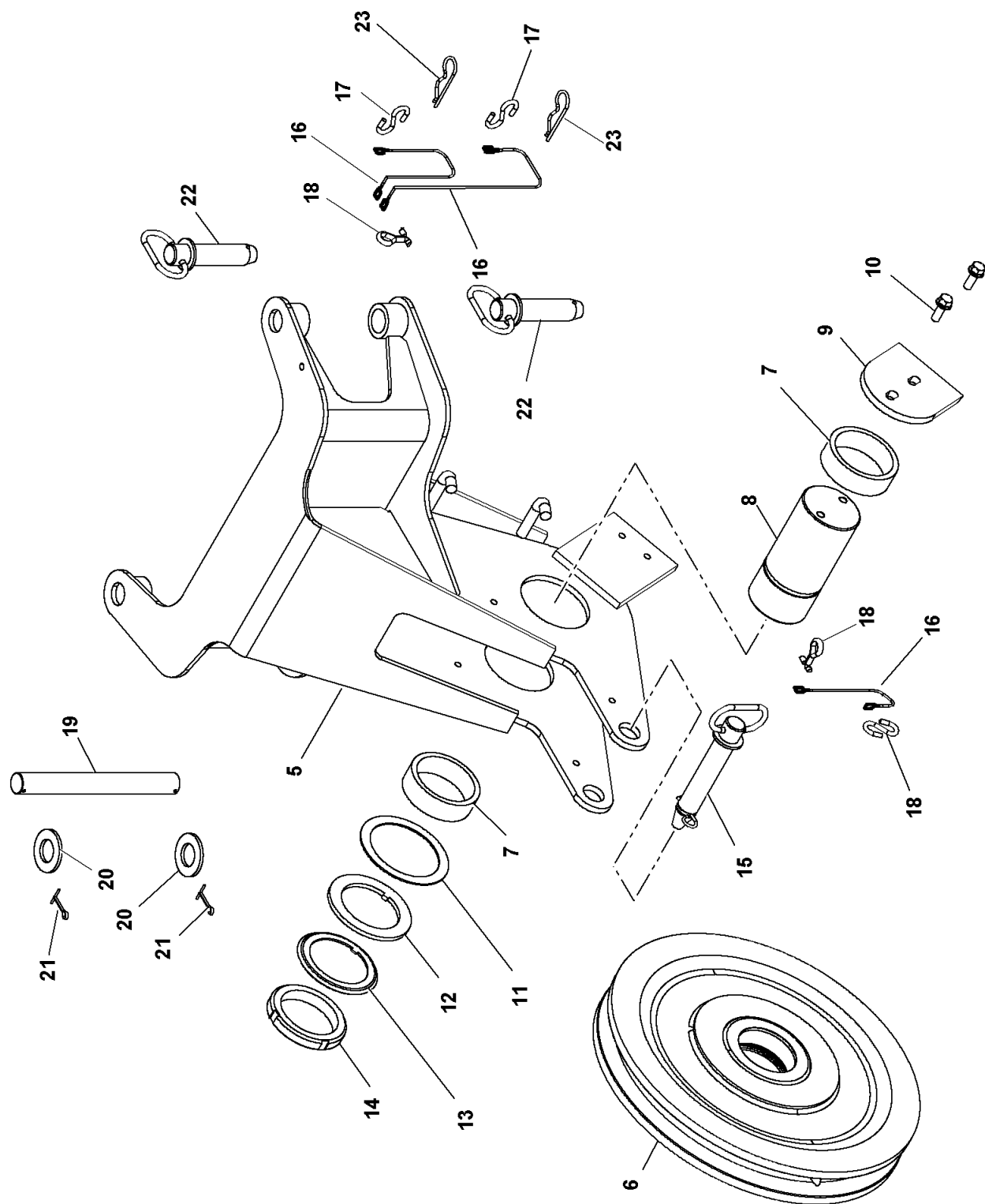
Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
KIT, LMI S/S IFLEX 5				7598100092
				Revision: #
Item	FN	Part	Qty	Description
1		9333103870	1	PRESSURE TRANSDUCER, iFLEX 5 (2 PACK)
2		9333101471	2	FITTING, BULKHEAD ADAPTER 9/16-18 JIC
3		9333101472	2	SEAL, CUTTING

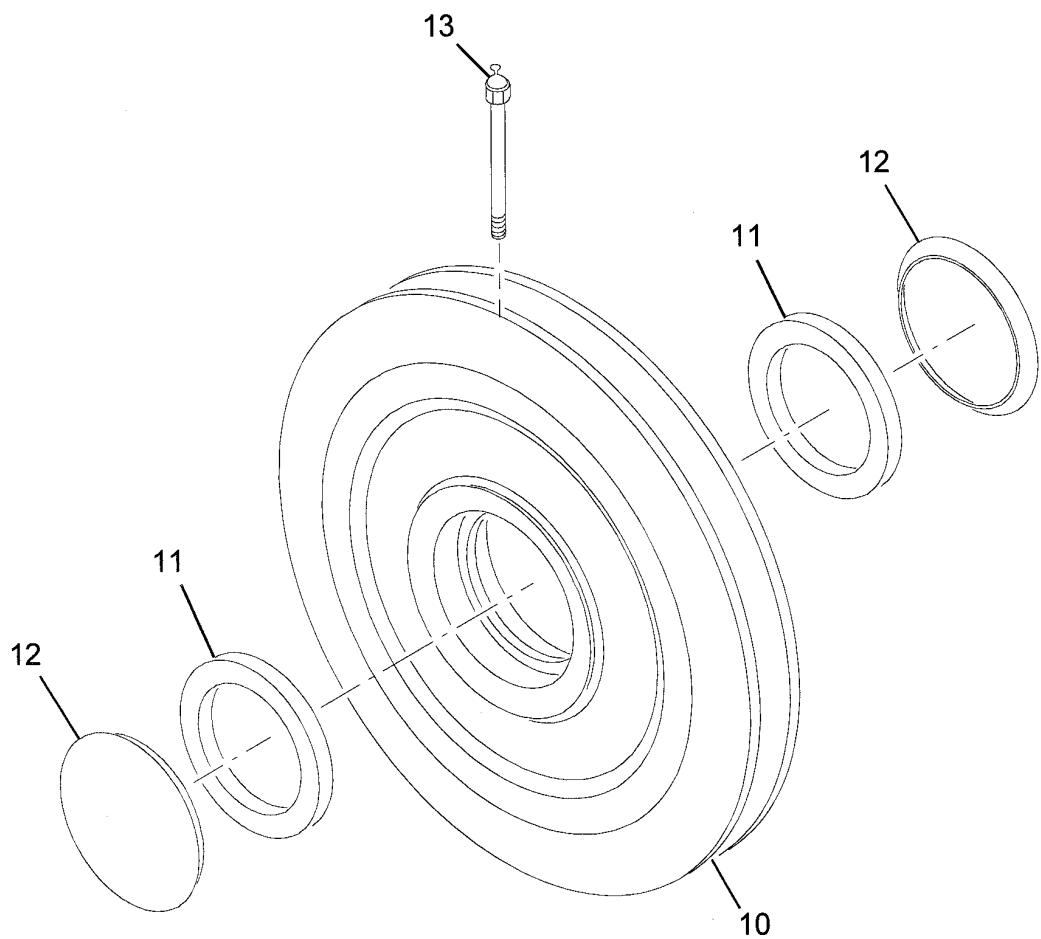
Manitowoc Cranes



Manitowoc Cranes

Description NOSE INSTALLATION - AUXILIARY				Assembly No. 2159910170 Revision: C
Item	FN	Part	Qty	Description
5	+	2159910022	1	NOSE, AUXILIARY
6		6718100031	1	SHEAVE ASSEMBLY - 5/8" ROPE
7		6910001855	2	SPACER
8		6810001159	1	SHAFT
9		4159910026	1	CAP, END
10		7115160878	2	SCREW, FLANGE 3/8" - 16 N.C. X 1" GRADE 5
11		4159900304	1	SHIM (.0544")
12		7949000269	1	WASHER, KEYED
13		7949000190	1	WASHER,
14		7659000081	1	LOCKNUT
15		7689000059	1	PIN, HITCH INCLUDES THE FOLLOWING PARTS
		7689000701	1	CLIP, HITCH PIN
16		9286100001	1	CHAIN 3' PC. (MUST CUT TO LENGTH NEEDED)
17		7601000955	3	S-HOOK, STANDARD
18		7690152410	2	PIN, COTTER 5/16" X 1 1/2"
19		6689100012	1	PIN
20		7950260141	2	WASHER, 1" I.D.
21		7690052410	2	PIN, COTTER 1/8" X 1 1/2"
22		7689000721	2	PIN, HITCH
23		7689000053	2	PIN, CLIP

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

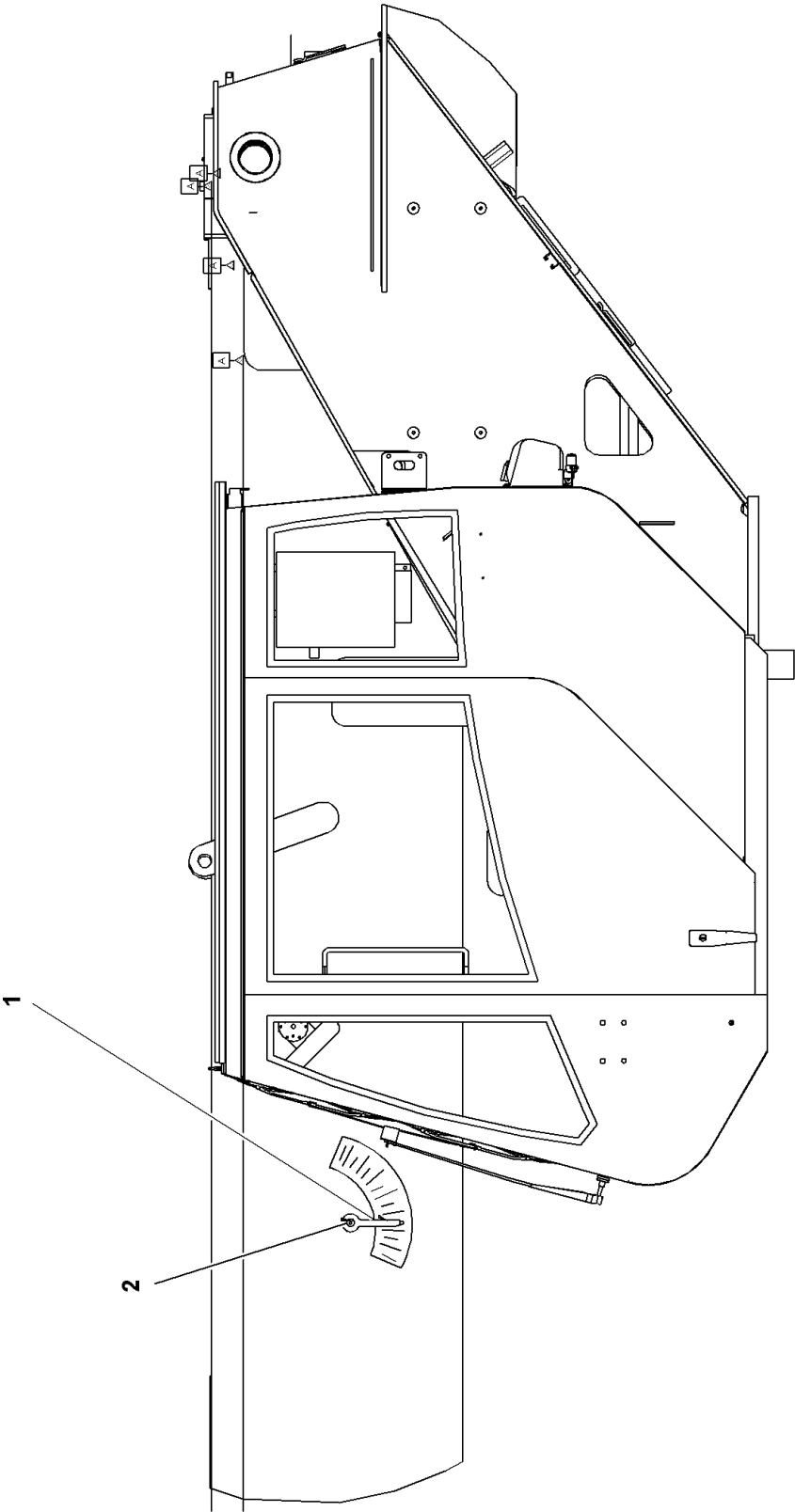
SHEAVE ASSEMBLY - 5/8" ROPE

Assembly No.

6718100031

Revision: **A**

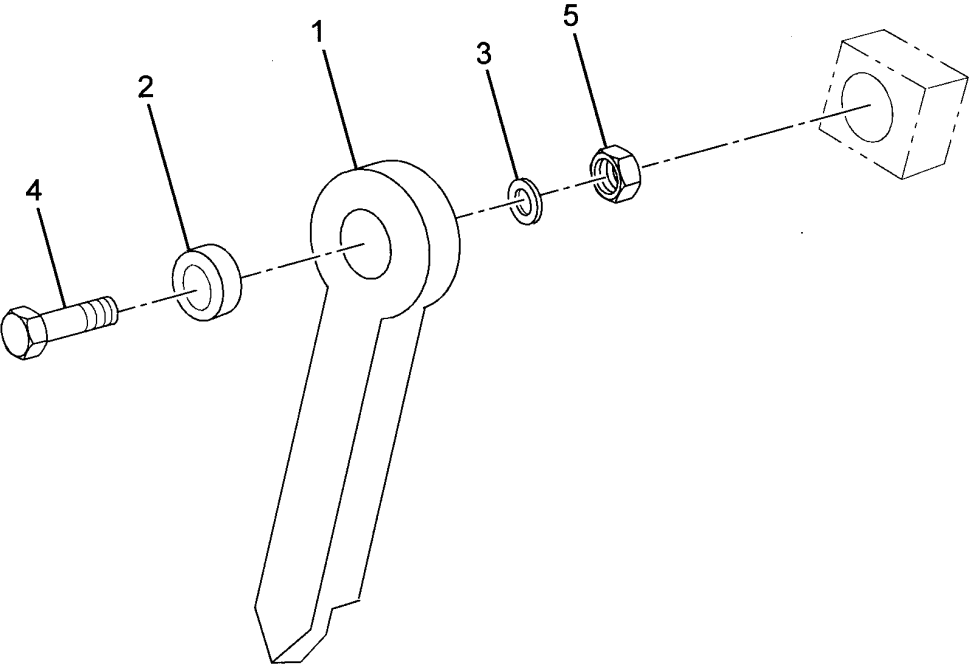
Item	FN	Part	Qty	Description
10		6718100030	1	WHEEL, 5/8" ROPE SHEAVE
				INCLUDES THE FOLLOWING PARTS
		7794000272	2	CUP, BEARING
11		7069000183	2	CONE, BEARING
12		7069000175	2	CLOSURE, BEARING
13		7440000000	1	FITTING, 1/8 STRAIGHT GREASE



Manitowoc Cranes

Description				Assembly No.
BOOM ANGLE INDICATOR INSTALLATION				2159910130
				Revision: #
Item	FN	Part	Qty	Description
1	+	2114900861	1	POINTER ASSEMBLY
2		7242000021	1	PLUG, 1" BUTTON

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

POINTER ASSEMBLY

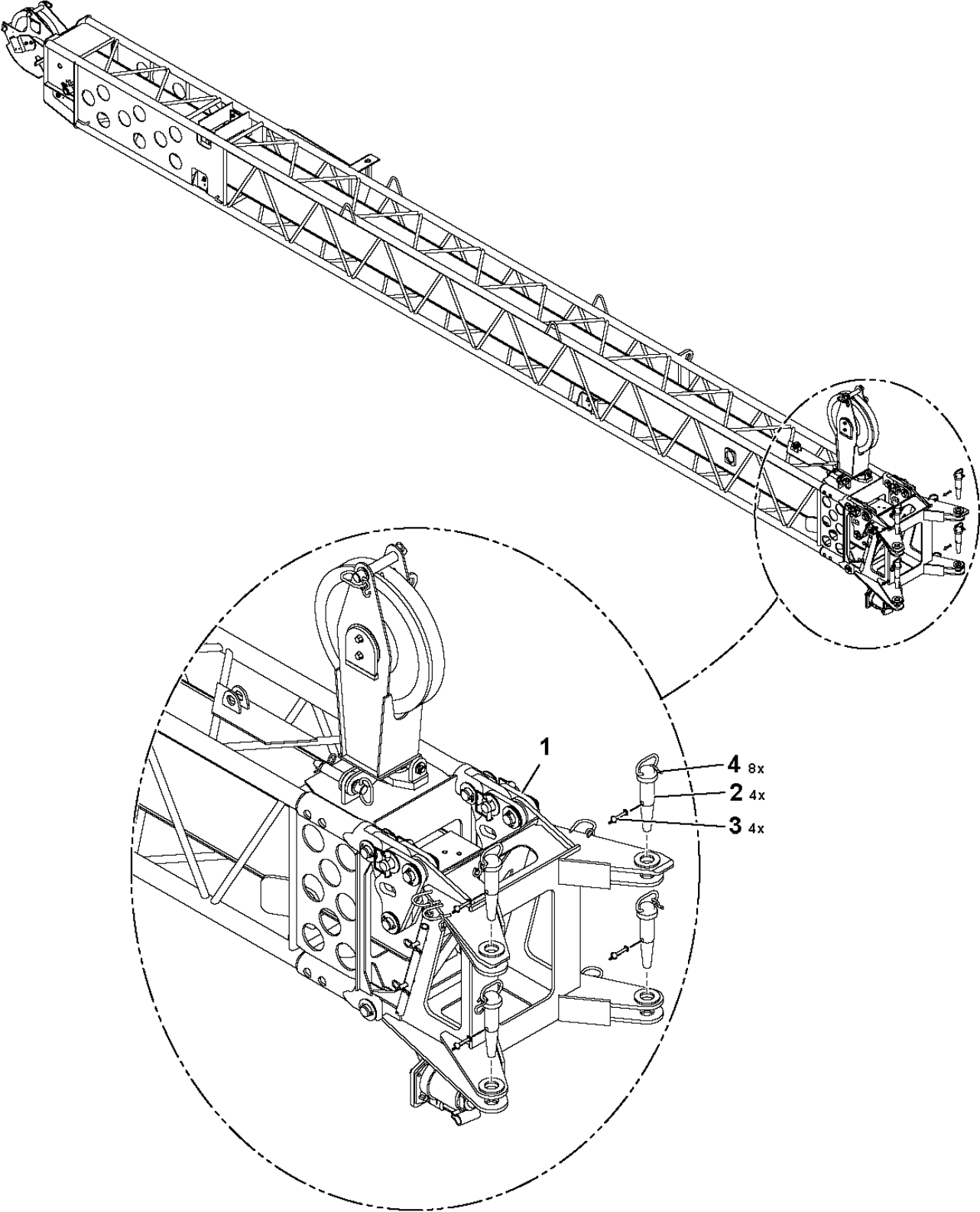
Assembly No.

2114900861

Revision: **A**

Item	FN	Part	Qty	Description
1		4195900219	1	POINTER
2		7069000518	1	BEARING
3		6949001154	2	WASHER,
4		7115150850	1	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 5
5		7660150200	1	NUT, JAM 5/16" - 18 N.C. GRADE A

Manitowoc Cranes



ITEM NOT SHOWN NBR. 5

Manitowoc Cranes

Description

BOOM EXTENSION INSTALLATION 7.9-13.7M

Assembly No.

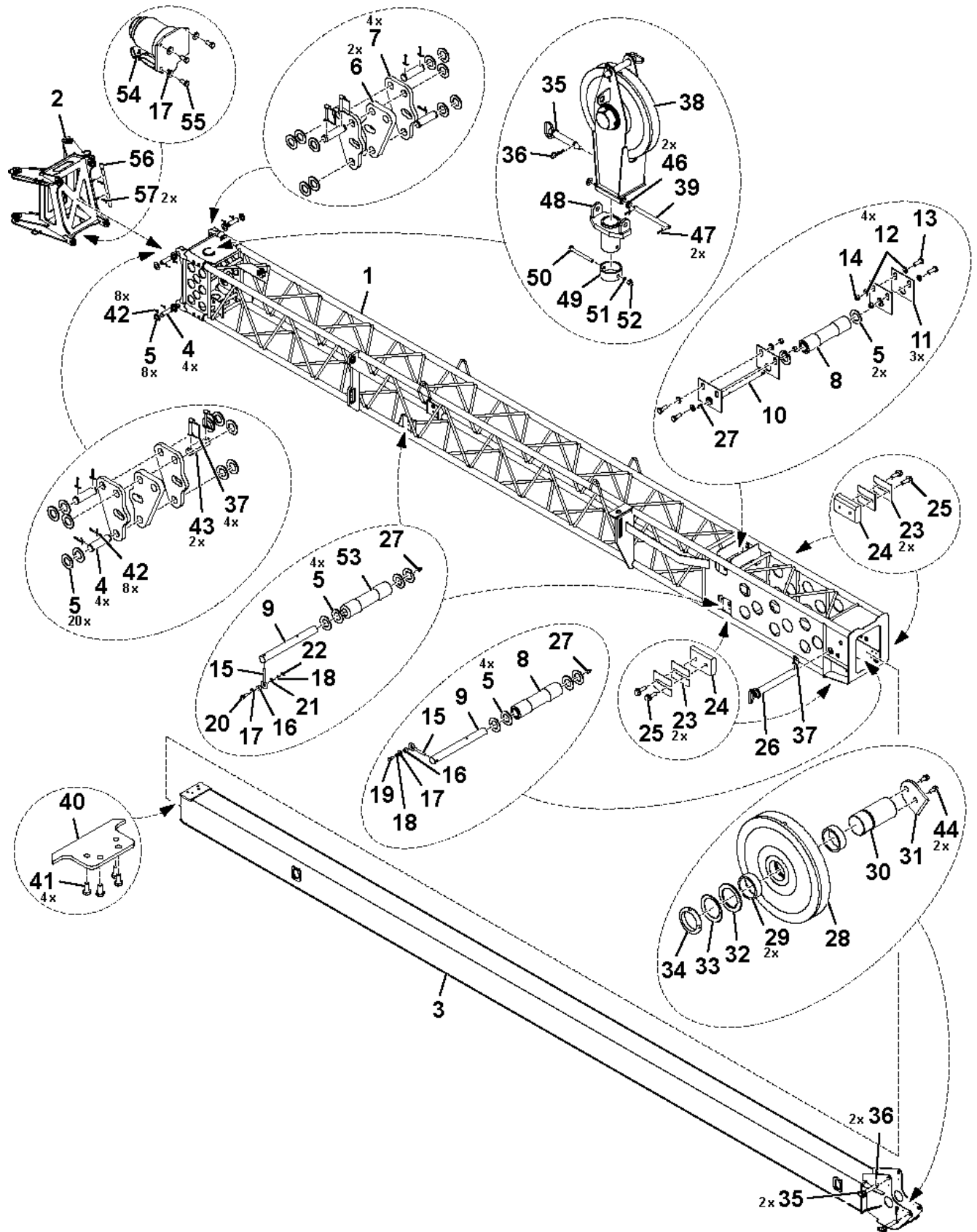
80024930

Revision: #

Item	FN	Part	Qty	Description
1	+	80024931	1	BOOM EXTENSION ASSEMBLY 7.9-13.7M
2		6689100027	4	PIN
3		7689001653	4	PIN, SAFETY SNAP
4		7601000955	8	S-HOOK, STANDARD
5		6286000736	4	CHAIN

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



ITEM NOT SHOWN NBR. 58

Manitowoc Cranes

Description				Assembly No.
BOOM EXTENSION ASSEMBLY 7.9-13.7M				80024931
				Revision: B
Item	FN	Part	Qty	Description
1		80024932	1	BASE EXTENSION
2		2159910202	1	ADAPTER, JIB BOOM EXTENSION
3		80013783	1	STINGER
4		6689100155	8	PIN
5		7950280140	42	WASHER,
6		4159910646	2	LINK, OFFSET
7		4159910647	4	LINK, OFFSET
8		6772000112	2	ROLLER
				INCLUDES THE FOLLOWING PARTS
		6069000293	2	BEARING
9		6810003491	3	SHAFT, 1.12
10		80026847	1	SHAFT
11		4174900282	3	PLATE
12		7951210014	16	WASHER, FLAT #12
13		7126211453	4	CAP SCREW, HEX HEAD M12X35
14		7661210003	4	NUT, HEX 12MM N.C.
15		7099000573	3	BOLT, RIVET EYE
16		6200050303	3	BUSHING
17		7951190014	6	FLAT WASHER, 10MM I.D.
18		7951170210	3	WASHER, LOCK 8MM
19		7126171153	1	CAP SCREW, M8 X 20MM HEX HEAD
20		7126171353	2	CAP SCREW, HEX HEAD
21		7951170014	2	WASHER, FLAT #8
22		7661170003	2	NUT
23		4159910001	8	SHIM,
24		7671100010	4	WEAR PAD, SIDE
25		7115150878	8	SCREW, FLANGE 5/16" - 18 N.C. X 1" GRADE 5
26		2159910153	1	PIN
27		7440000000	4	FITTING, 1/8 STRAIGHT GREASE
28	+	6718100031	1	SHEAVE ASSEMBLY - 5/8" ROPE
29		80018337	2	SPACER
30		6810001159	1	SHAFT
31		4159910026	1	CAP, END

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

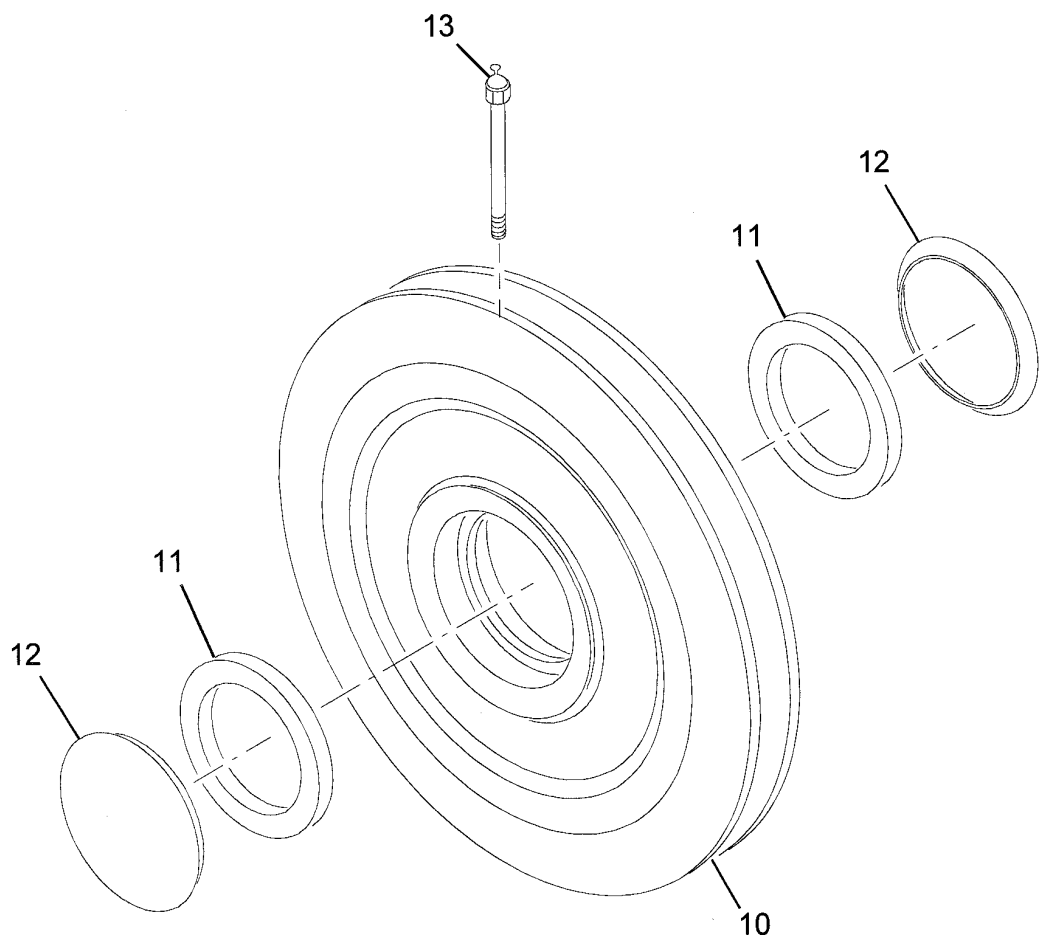
Description BOOM EXTENSION ASSEMBLY 7.9-13.7M				Assembly No. 80024931 Revision: B
Item	FN	Part	Qty	Description
32		80022876	1	KEYED WASHER
33		80022875	1	LOCKWASHER
34		80022874	1	LOCKNUT
35		7689000059	3	PIN, HITCH INCLUDES THE FOLLOWING PARTS
		7689000701	1	CLIP, HITCH PIN
36		7689000701	3	CLIP, HITCH PIN
37		7689001756	5	PIN
38	+	2159910191	1	MAST ASSEMBLY (COMPLETE ASSEMBLY)
39		6689100143	1	PIN
40		80013784	1	STOP PLATE
41		7126211253	4	CAP SCREW, M12 X 25MM HEX HEAD
42		7690103610	16	PIN, COTTER 3/16" X 2 1/4"
43		6689100127	2	PIN
44		7115160878	2	SCREW, FLANGE 3/8" - 16 N.C. X 1" GRADE 5
46		7951240014	2	FLATWASHER 16MM I.D.
47		7690082010	2	PIN, COTTER
48		2159910190	1	SUPPORT, MAST
49		4159910665	1	COLLAR
50		7126212850	1	CAP SCREW, M12 X 120MM HEX HEAD
51		7951210210	1	LOCK WASHER, 12MM I.D.
52		7661210003	1	NUT, HEX 12MM N.C.
53		7772100019	2	ROLLER, NYLATRON
54	#	80016520	1	JACK, MODIFIED
55		7115160650	3	CAP SCREW, 3/8" - 16 N.C. X 3/4" GRADE 5
56		200485	1	HANDLE, HYD. JACK
57		7689000053	2	PIN, CLIP
58		4159900304	4	SHIM (.0544")

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

SHEAVE ASSEMBLY - 5/8" ROPE

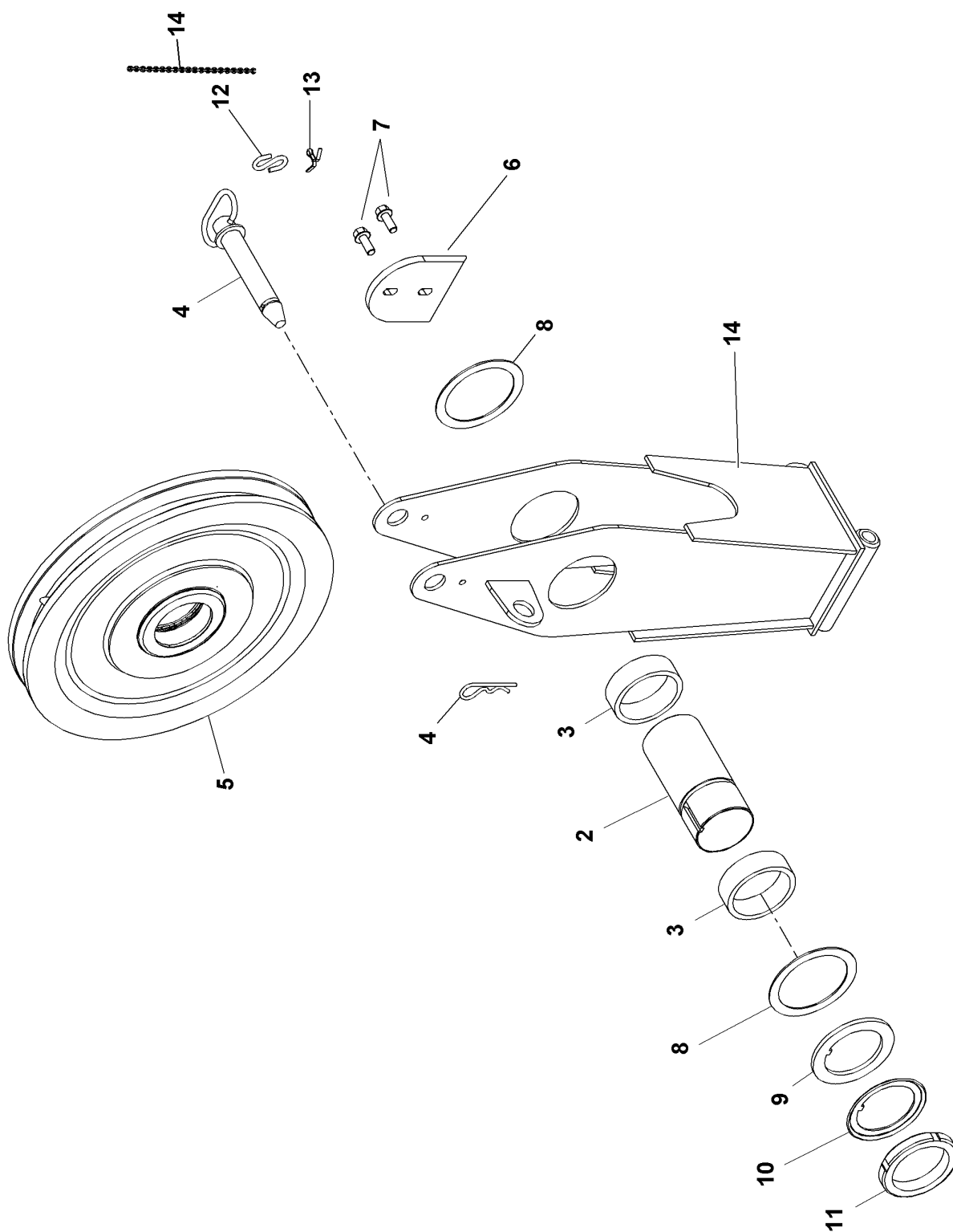
Assembly No.

6718100031

Revision: **A**

Item	FN	Part	Qty	Description
10		6718100030	1	WHEEL, 5/8" ROPE SHEAVE
				INCLUDES THE FOLLOWING PARTS
		7794000272	2	CUP, BEARING
11		7069000183	2	CONE, BEARING
12		7069000175	2	CLOSURE, BEARING
13		7440000000	1	FITTING, 1/8 STRAIGHT GREASE

Manitowoc Cranes



Manitowoc Cranes

Description

MAST ASSEMBLY (COMPLETE ASSEMBLY)

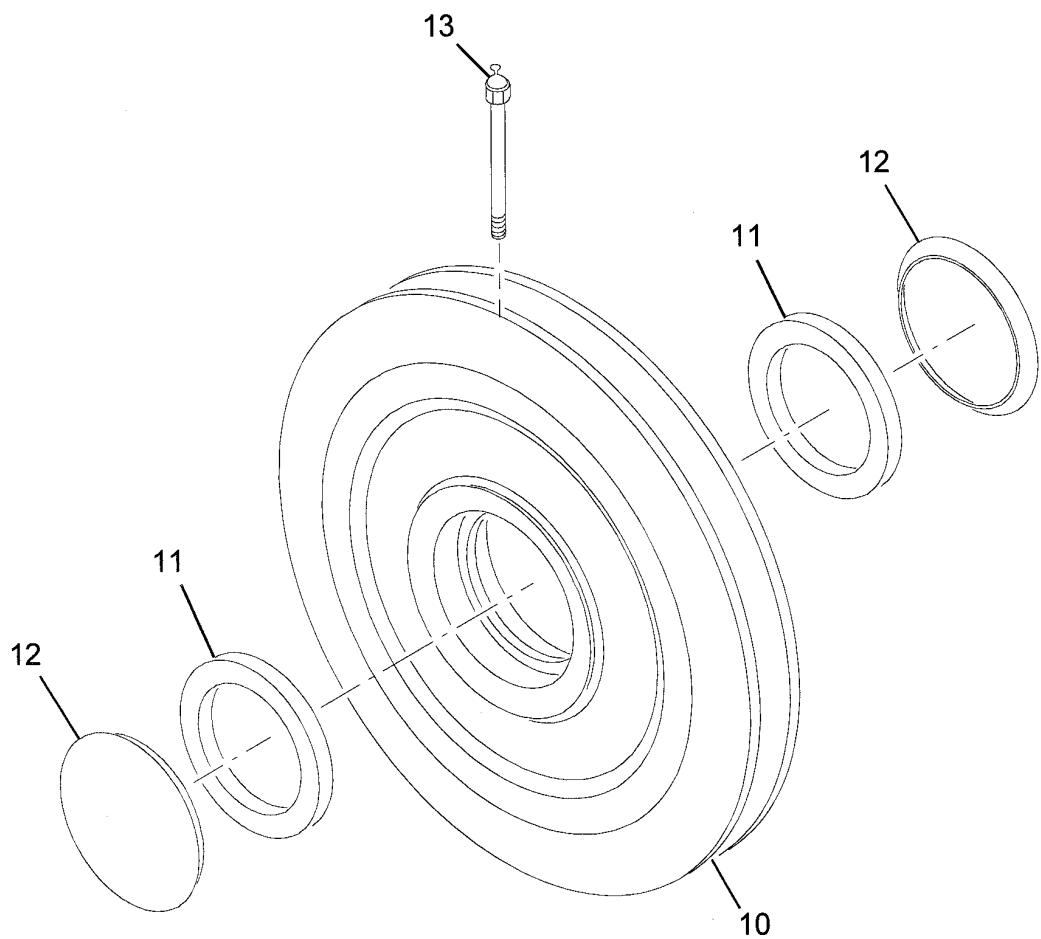
Assembly No.

2159910191

Revision: **C**

Item	FN	Part	Qty	Description
1		2159910192	1	MAST
2		6810001159	1	SHAFT
3		6910001855	2	SPACER
4		7689000059	1	PIN, HITCH
		7689000701	1	INCLUDES THE FOLLOWING PARTS
5	+	6718100031	1	CLIP, HITCH PIN
6		4159910026	1	SHEAVE ASSEMBLY - 5/8" ROPE
7		7115160878	1	CAP, END
			2	SCREW, FLANGE
				3/8" - 16 N.C. X 1"
				GRADE 5
8		4159900304	2	SHIM (.0544")
9		7949000269	1	WASHER, KEYED
10		7949000190	1	WASHER,
11		7659000081	1	LOCKNUT
12		7601000955	1	S-HOOK, STANDARD
13		7690102410	1	PIN, COTTER
				3/16" X 1 1/2"
14		9286100001	1	CHAIN
				3' PC. (MUST CUT TO LENGTH NEEDED)

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

SHEAVE ASSEMBLY - 5/8" ROPE

Assembly No.

6718100031

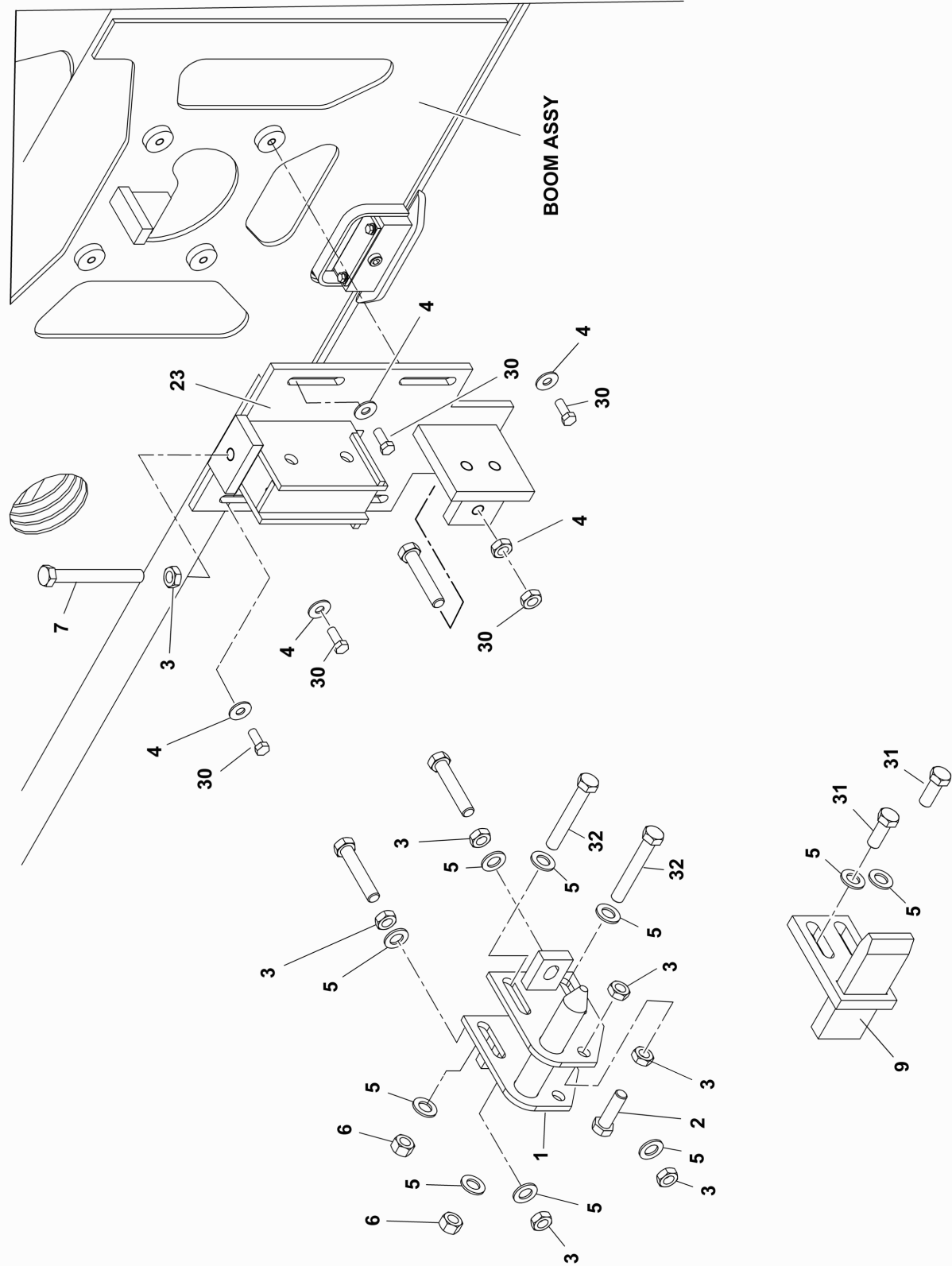
Revision: **A**

Item	FN	Part	Qty	Description
10		6718100030	1	WHEEL, 5/8" ROPE SHEAVE
				INCLUDES THE FOLLOWING PARTS
		7794000272	2	CUP, BEARING
11		7069000183	2	CONE, BEARING
12		7069000175	2	CLOSURE, BEARING
13		7440000000	1	FITTING, 1/8 STRAIGHT GREASE

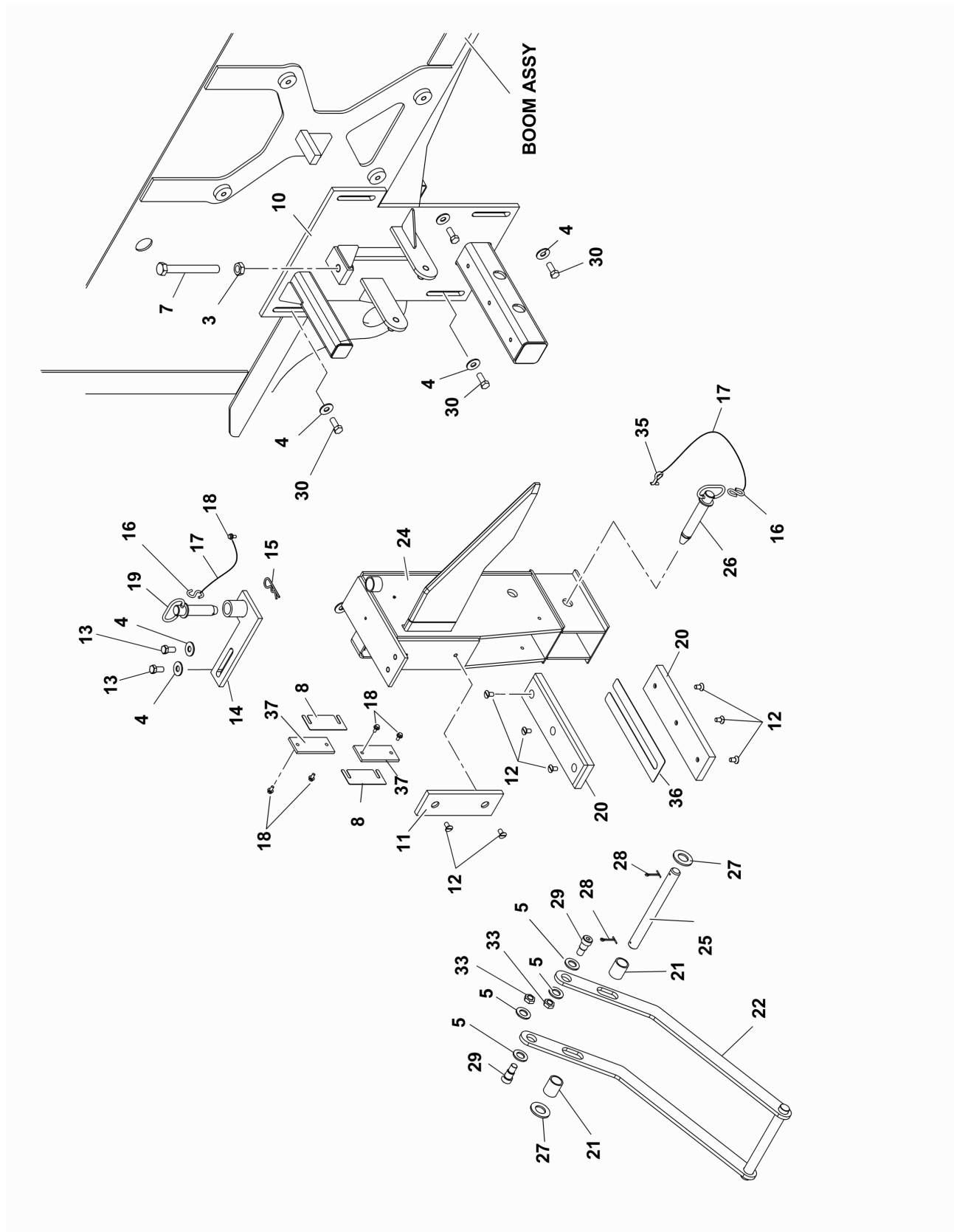
Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description

CARRIER INSTALLATION - JIB EXTENSION

Assembly No.

2159910193

Revision: **C**

Item	FN	Part	Qty	Description
1		2159910070	1	HANGER
2		7115222050	1	CAP SCREW, 3/4" - 10 N.C. X 2 1/2" GRADE 5
3		7660220200	9	NUT, HEX JAM 3/4" - 10 N.C.
4		7950180160	10	WASHER, 9/16"
5		7950220140	14	WASHER, 3/4" I.D.
6		7660220001	2	NUT, HEX 3/4" - 10 N.C.
7		7099001194	2	CAP SCREW, 3/4" - 10 N.C. X 6 1/2"
8		4155910018	1	SHIM
9		2159910071	1	SUPPORT, LOWER
10		2155910018	1	HANGER, REAR
11		7671100007	1	PAD, WEAR
12		7111160607	8	SCREW, MACHINE 3/8" - 16 N.C. X 3/4" GRADE 1
13		7115180850	2	CAP SCREW, 1/2"-13 UNC X 1"
14		2159910073	1	RETAINER
15		7689000721	1	PIN, HITCH
16		7601000955	2	S-HOOK, STANDARD
17		9286100001	1	CHAIN 3' PC. (MUST CUT TO LENGTH NEEDED)
18		7115140478	5	CAP SCREW, 1/4" - 20 N.C. X 1/2" GRADE 5
19		7689000701	1	CLIP, HITCH PIN
20		7671100016	2	PAD, WEAR
21		6199100023	2	BUSHING
22		2159910074	1	HANDLE
23		2159910194	1	FRONT HANGER
24		2155910034	1	HANGER, REAR
25		4159910169	1	SHAFT
26		7689000059	1	PIN, HITCH

Manitowoc Cranes

Description

CARRIER INSTALLATION - JIB EXTENSION

Assembly No.

2159910193

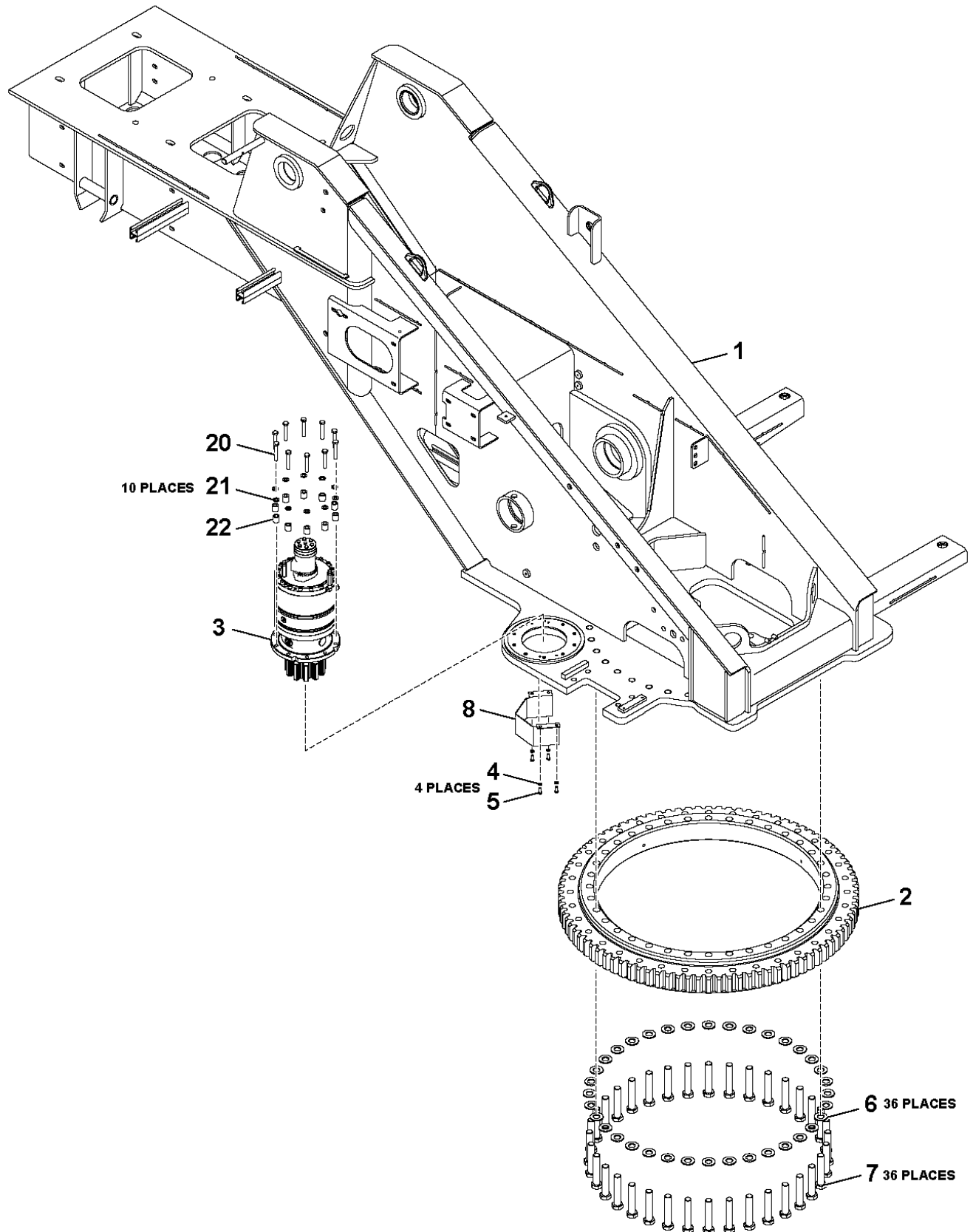
Revision: **C**

Item	FN	Part	Qty	Description
		7689000701	1	INCLUDES THE FOLLOWING PARTS
27		7950260141	2	CLIP, HITCH PIN
28		7690053210	2	WASHER, 1" I.D.
29		7110220606	2	PIN, COTTER
				1/8" X 2"
30		7115181050	2	CAP SCREW,
				3/4" - 10 N.C. X 3/4"
				GRADE 1
31		7115221450	8	CAP SCREW,
				1/2" - 13 N.C. X 1 1/4"
				GRADE 5
32		7115224050	2	CAP SCREW,
				3/4" - 10 N.C. X 1 3/4"
				GRADE 5
33		7660200200	2	CAP SCREW,
				3/4" - 10 N.C. X 5"
				GRADE 5
34		6099001230	2	NUT, HEX
				5/8" - 11 N.C.
35		7690152410	1	CAP SCREW, MODIFIED
36		4184900657	1	PIN, COTTER
37		7671100095	1	5/16" X 1 1/2"
			1	SHIM,
			2	PAD, WEAR

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

TURNTABLE WELD AND DRIVE INSTALLATION

Assembly No.

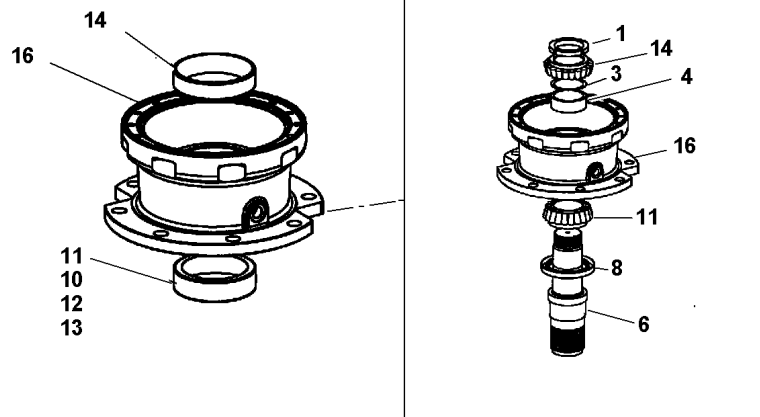
80014181

Revision: **B**

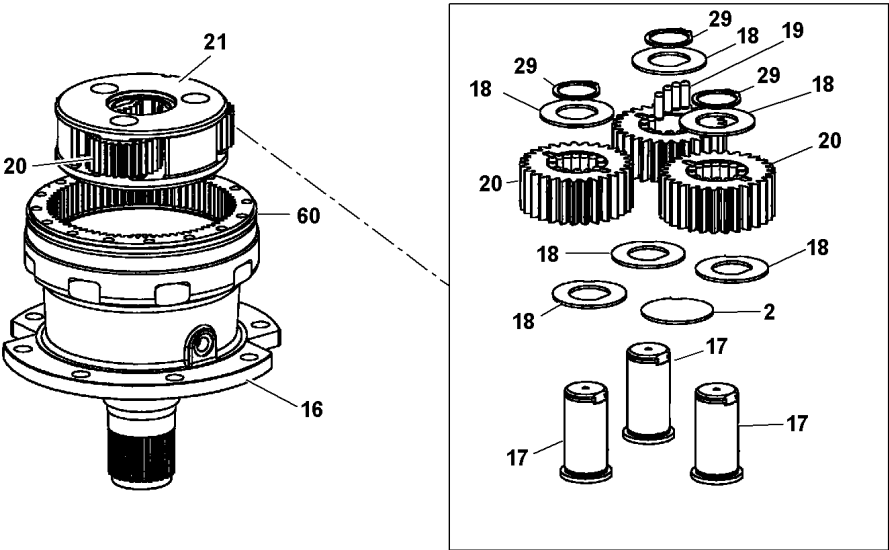
Item	FN	Part	Qty	Description
1		80014148	1	TURNTABLE WELD
2		7069100081	1	BEARING, TURNTABLE
		9069100118	1	INCLUDES THE FOLLOWING PARTS
			1	SEAL, BEARING 21'
3	+	7576134386	1	MOTOR ASSEMBLY - SWING DRIVE (COMPLETE ASSEMBLY)
4		7951170210	4	WASHER, LOCK 8MM
5		7126171150	4	CAP SCREW, M8 X 20MM HEX HEAD
6		7949000359	36	WASHER, 1" I.D. HARDENED ROUND
7		7118264250	36	CAP SCREW, 1" - 8 N.C. X 5 1/4" GRADE 8
8		4159200657	1	GUARD, PINION
20		7126212250	10	CAP SCREW, M12 X 75MM HEX HEAD
21		00437529	10	WASHER, 12 FLAT
22		6199100090	10	BUSHING

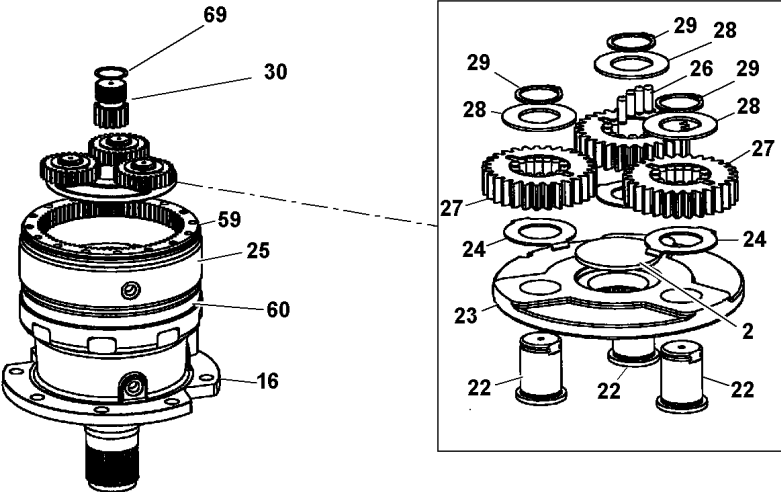
+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

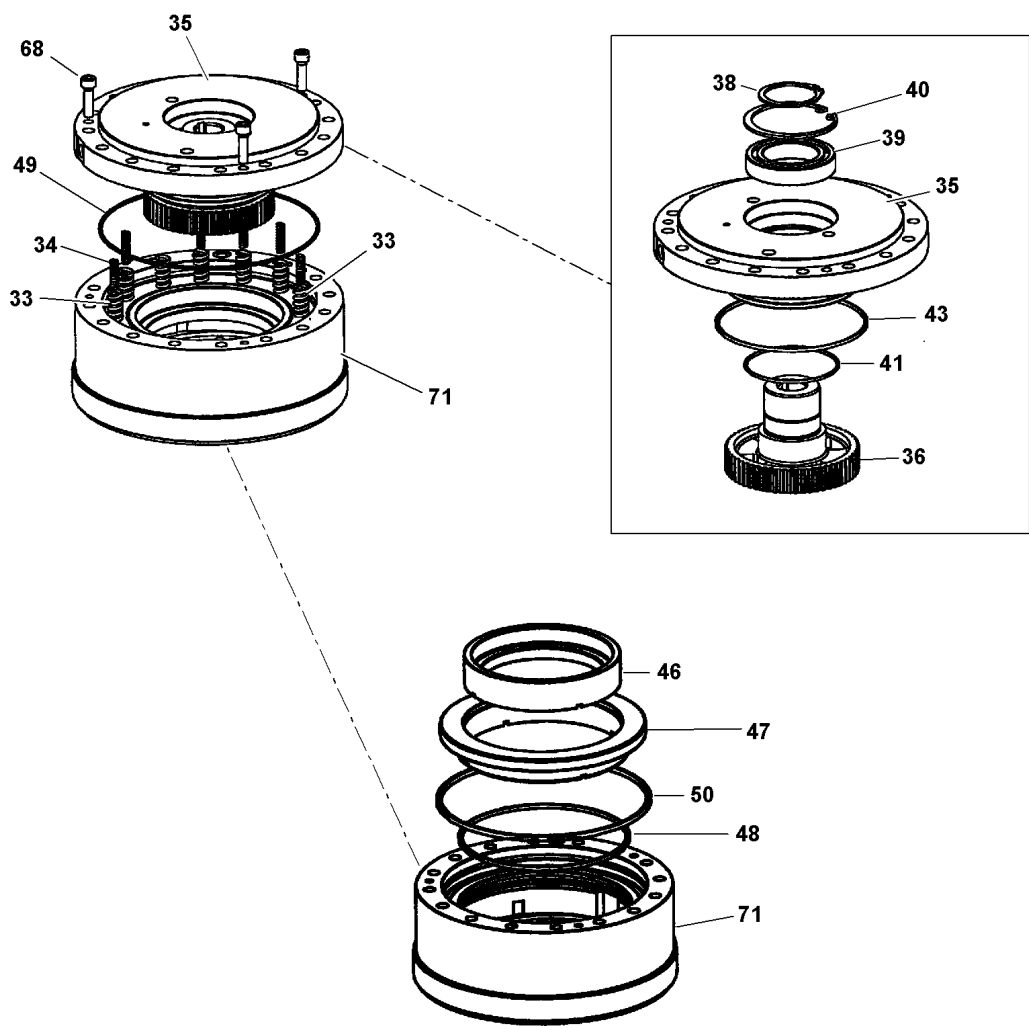


ITEMS NOT SHOWN
NBR 75 PLANET GEAR COMPLETE ASSY SEE PARTS LIST
NBR 76 PLANET GEAR COMPLETE ASSY SEE PARTS LIST
NBR 77 KIT, BRAKE
NBR 80 KIT, SEAL BRAKE
NBR 81 KIT, DISC BRAKE
NBR 82 KIT, SEAL
NBR 62 PLATE, NAME
NBR 70 KIT, SHIM

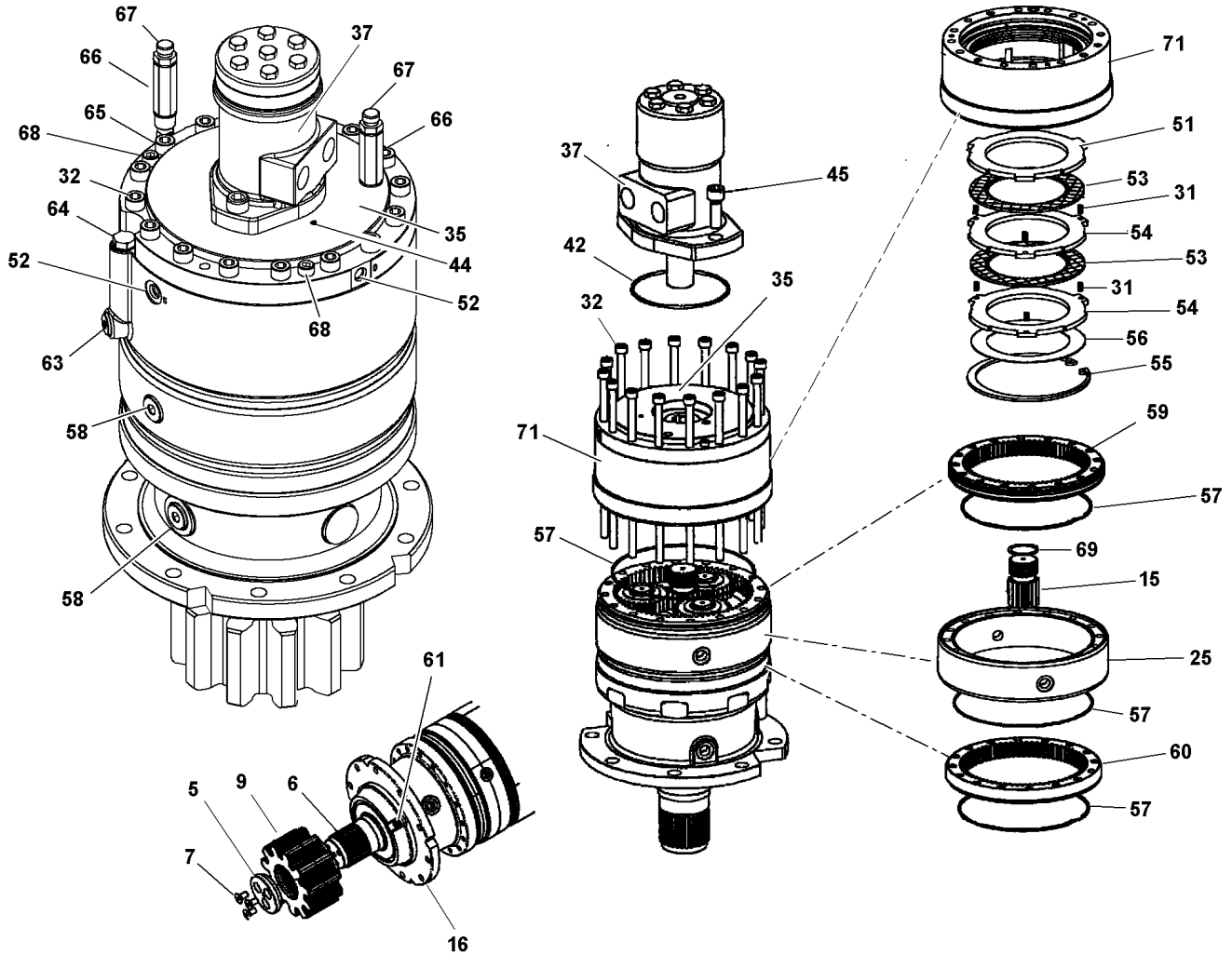




Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
MOTOR ASSEMBLY - SWING DRIVE (COMPLETE ASSEMBLY)				7576134386
				Revision:
Item	FN	Part	Qty	Description
1		9576101173	1	NUT,RING
2		9576101142	2	PLATE,END
3		9576101171	1	KIT,SHIM
4		9576101329	1	SPACER
5		9576101307	1	PLATE, RETAINER
6		9576101330	1	SHAFT, OUTPUT
7		9576101308	3	CAPSCREW
8	*	9576101331	1	SEAL, OIL
9		9576101167	1	PINION
10		NSS	1	HOUSING
11		9576101332	1	BEARING
12		9576101333	1	RING, RETAINING
13	*	9576101334	1	O-RING
14		9576101335	1	BEARING
15		9576101180	1	GEAR,SUN
16		NSS	1	HOUSING
17		9576101183	3	PIN
18		9576101124	6	WASHER
19		9576101127	162	BEARING,NEEDLE
20		NSS	3	GEAR, PLANET
21		NSS	1	HOUSING, PLANET
22		9576101181	3	PIN
23		NSS	1	HOUSING, CARRIER PLANET
24		9576101124	3	WASHER
25		NSS	1	HOUSING
26		9576101336	54	BEARING, NEEDLE
27		NSS	3	GEAR, PLANET
28		9576101129	3	WASHER
29		9576101130	3	RING,RETAINER

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description				Assembly No.
MOTOR ASSEMBLY - SWING DRIVE (COMPLETE ASSEMBLY)				7576134386
				Revision:
Item	FN	Part	Qty	Description
30		9576101176	1	GEAR,SUN
31	-	NSS	6	SPRING
32		9576101175	16	CAPSCREW
33	-	NSS	12	SPRING
34	-	NSS	8	SPRING
35		9576101184	1	HOUSING,FLANGE MTG.
36		9576101136	1	COUPLING
37		9576101395	1	MOTOR ASSY. HYD.
				INCLUDES THE FOLLOWING PARTS
		9576101186	1	KIT,SEAL MOTOR
38		9576101137	1	RING,RETAINER
39		9576101135	1	BEARING
40		9576101138	1	RING,RETAINER
41	@	7755245000	1	O-RING
42	*@	7755152000	1	O-RING
43	@	7755251000	1	O-RING
44		9576101185	1	PLUG
45		9576101100	2	CAPSCREW
46		NSS	1	PISTON
47		NSS	1	PISTON
48	@	7755260000	1	O-RING
49	@	7755170000	1	O-RING
50	@	7755265000	1	O-RING
51	-	NSS	1	SPACER
52		7709800001	2	PLUG, SAE #4
				INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
53	-	NSS	2	DISK, BRAKE
54	-	NSS	2	DISK, BRAKE

- THIRD REPAIR KIT AND/OR PART OF 3RD KIT
 * REPAIR KIT AND/OR PART OF KIT

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

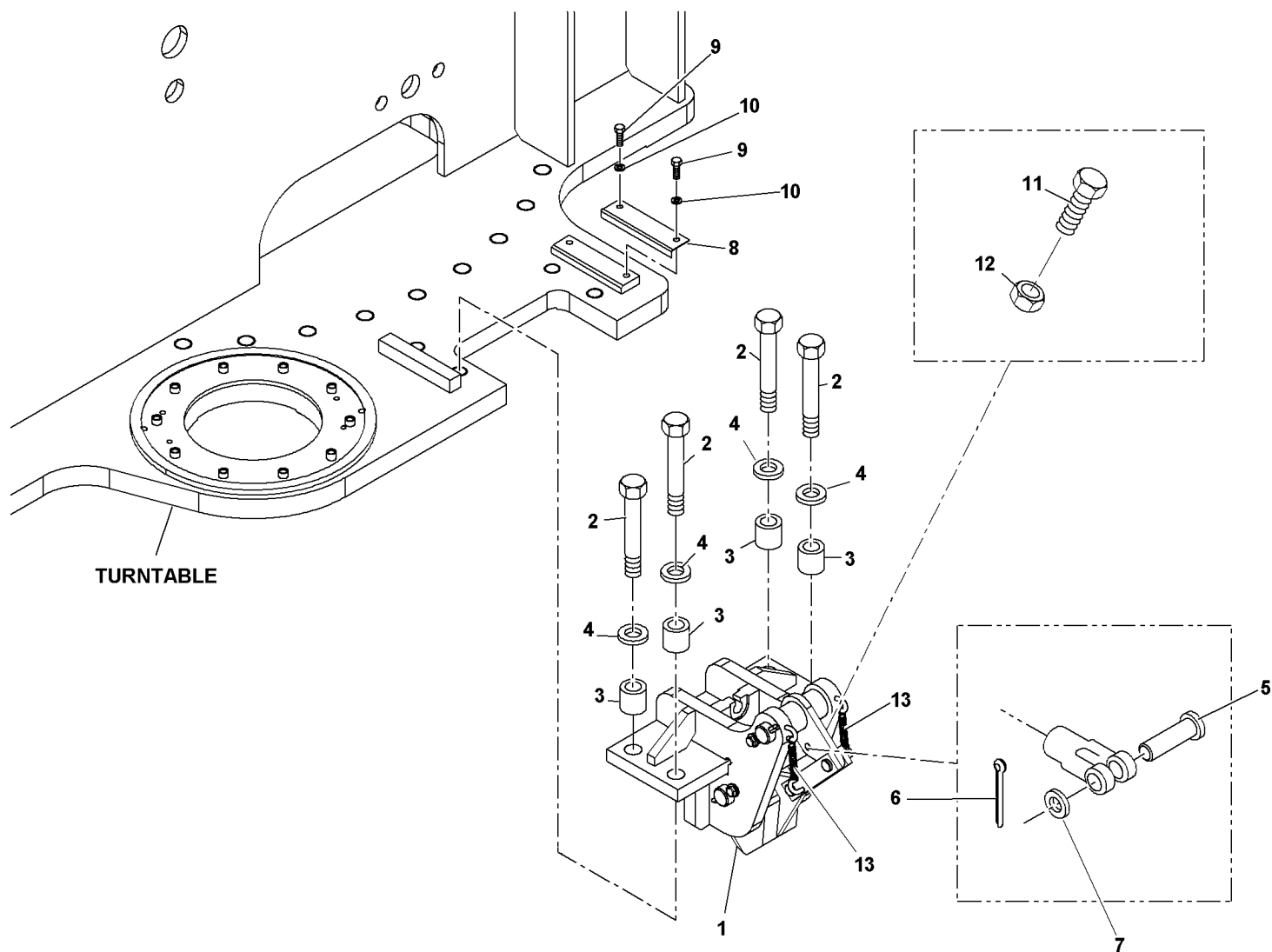
Manitowoc Cranes

Description				Assembly No.
MOTOR ASSEMBLY - SWING DRIVE (COMPLETE ASSEMBLY)				7576134386
				Revision:
Item	FN	Part	Qty	Description
55	-	NSS	1	KIT, SHIM
56		9576101140	1	RING,RETAINER
57	*	9576101338	4	O-RING
58		9576101141	6	PLUG
59		9576101126	1	GEAR,RING
60		9576101174	1	RING GEAR
61		9576101220	1	PLUG
62		NSS	1	PLATE, NAME
63		9576101154	1	PLUG
64		9576101151	1	DIPSTICK
65		9576101152	1	ELBOW
66		9576101149	2	PIPE
67		9576101189	2	BREATHER
68		9576101148	1	CAPSCREW
69		9576101133	2	RING,RETAINER
70		9576101339	1	KIT, SHIM
71		NSS	1	HOUSING, BRAKE
75		9576101340	1	PLANETARY CARRIER ASSY. INCLUDES ITEMS 2,15,17,19,20, 21,24,60,69
76		9576101341	1	PLANETARY CARRIER ASSY. INCLUDES ITEMS 2,18,22,23,26, 27,28,29,30,59,69
77		9576101165	1	KIT,BRAKE ASSY. INCLUDES ITEMS 31,33,34,35,36, 39,41,42,43,44,46 THRU 55 AND 64 THRU 68 ,71
80	@	9576101101	1	KIT,SEAL BRAKE
81	-	9576101102	1	KIT,DISC BRAKE
82	*	9576101337	1	KIT, SEAL

- THIRD REPAIR KIT AND/OR PART OF 3RD KIT
 @ SECOND REPAIR KIT AND/OR PART OF 2ND KIT

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

LOCK INSTALLATION - 360 SWING

Assembly No.

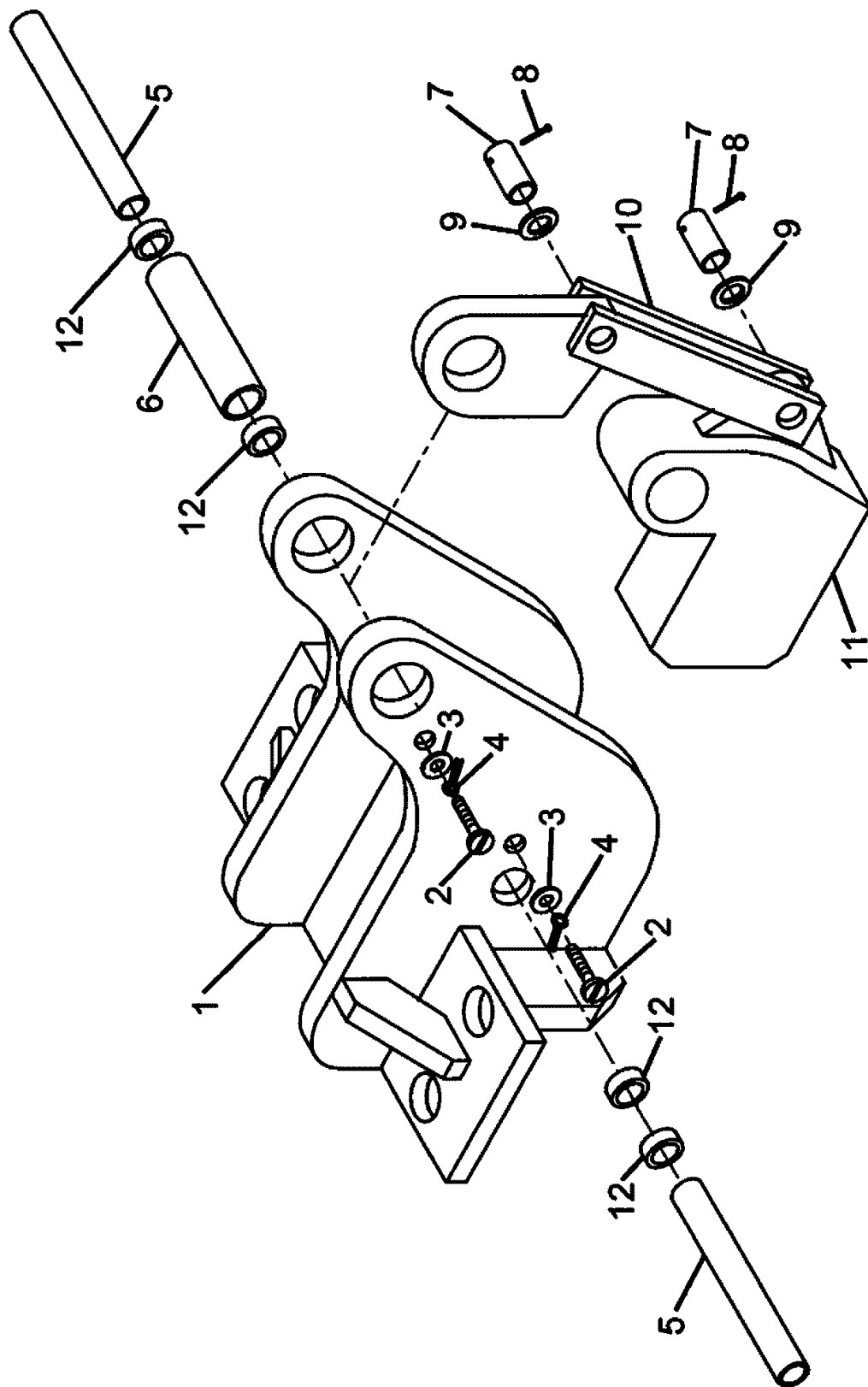
2159210121

Revision: **A**

Item	FN	Part	Qty	Description
1	+	2165210021	1	LOCK ASSEMBLY - SWING (COMPLETE ASSEMBLY)
2		7126272550	4	CAP SCREW, M20X90MM HEX HEAD
3		6199100070	4	BUSHING
4		7949000236	4	FLAT WASHER, 3/4"
5		7690161600	1	PIN, CLEVIS 3/8" X 1"
6		7690021610	1	PIN, #2 X 1" LONG COTTER
7		7950160141	1	WASHER, 3/8" PLAIN NARROW
8		4159210027	0	SHIM
9		00437175	2	CAP SCREW, M8 X 12MM HEX HEAD
10		7951170210	2	WASHER, LOCK 8MM
11		7115151050	1	CAP SCREW, 5/16" - 18 N.C. X 1 1/4" GRADE 5
12		7660150000	1	NUT, HEX 5/16" - 18 N.C.
13		7834100009	2	SPRING, LOCKING

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

LOCK ASSEMBLY - SWING (COMPLETE ASSEMBLY)

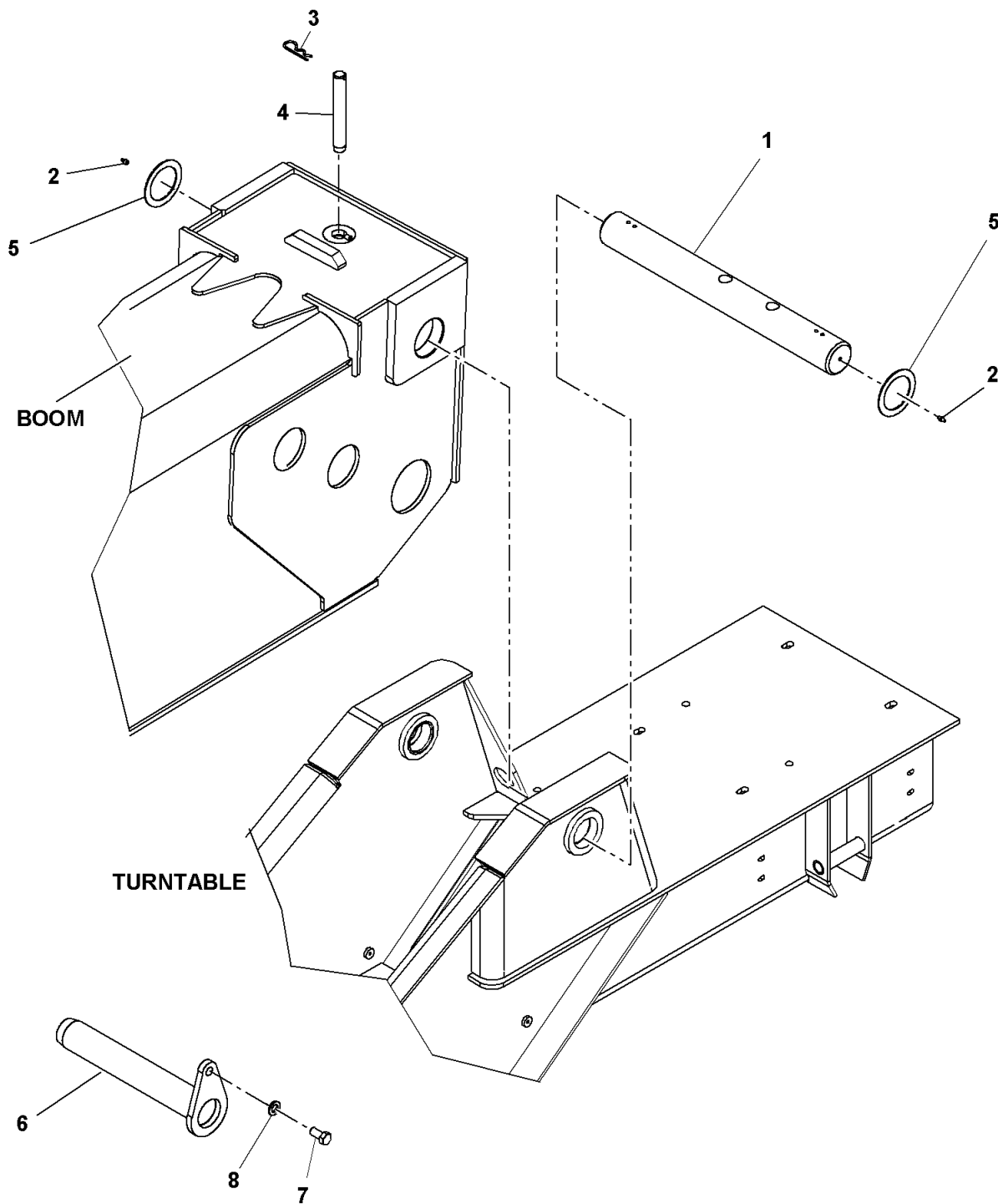
Assembly No.

2165210021

Revision: **B**

Item	FN	Part	Qty	Description
1		2165210120	1	MTG BRACKET WELD
2		7115150750	2	CAP SCREW, 5/16" -18 N.C. X 7/8" GRADE 5
3		7950150141	2	WASHER, FLAT 5/16"
4		7690152410	2	PIN, COTTER 5/16" X 1 1/2"
5		80023887	2	SHAFT
6		2159200729	1	BUSHING
7		7690182404	2	PIN, CLEVIS 1/2"X 1 1/2"
8		7690051210	2	PIN, COTTER 1/8" X 3/4"
9		7950180141	2	WASHER, FLAT 1/2"
10		6601000965	2	LINK
11		2159200728	1	BLOCK, SWING LOCK
12		7069000238	4	BEARING

Manitowoc Cranes



Manitowoc Cranes

Description

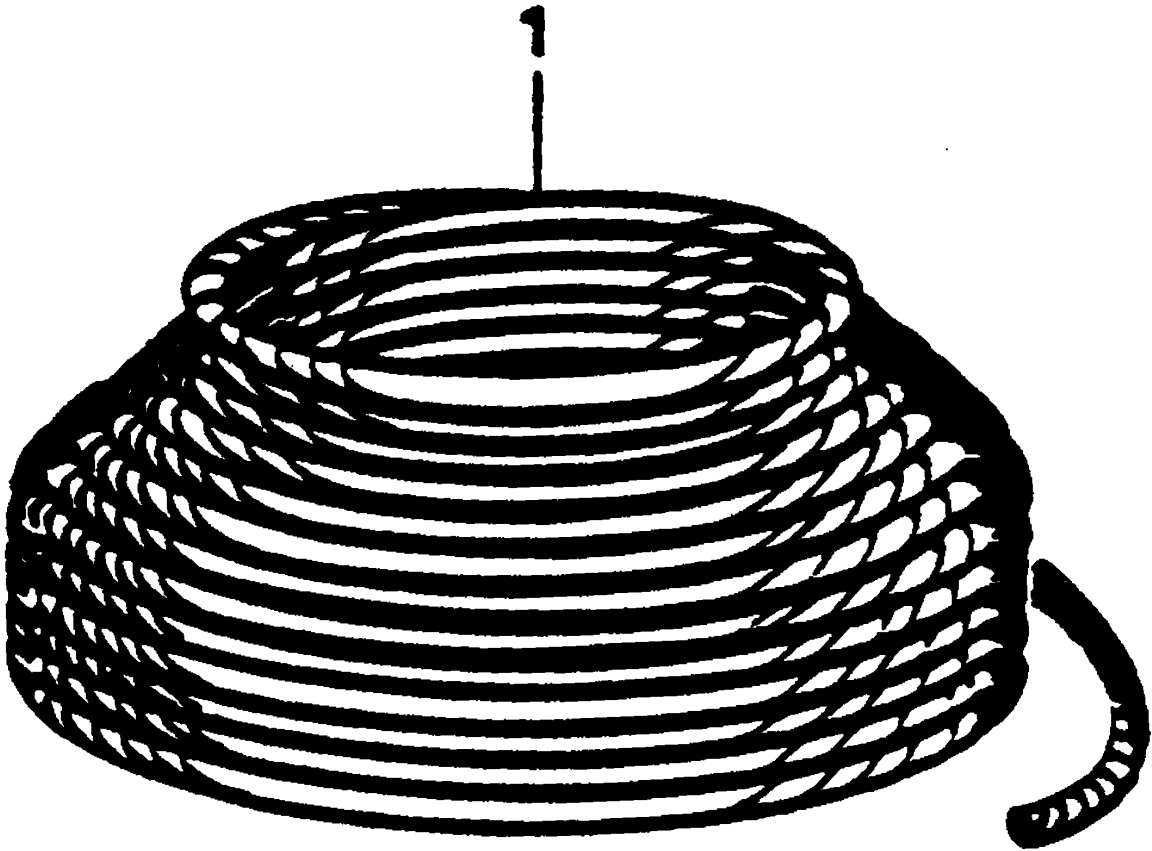
SHAFT INSTALLATION-BOOM PIVOT

Assembly No.

2159210144

Revision: #

Item	FN	Part	Qty	Description
1		6810100067	1	SHAFT, PIVOT
2		7440000000	2	FITTING, 1/8 STRAIGHT GREASE
3		7689000036	1	PIN, CLIP
4		7689100046	1	PIN
5		7949000385	2	WASHER, THRUST
6		7810100136	1	SHAFT, UPPER
7		7118221250	1	CAP SCREW, 3/4" - 10 N.C. X 1 1/2" GRADE 8
8		7949000236	1	FLAT WASHER, 3/4"



Manitowoc Cranes

Description

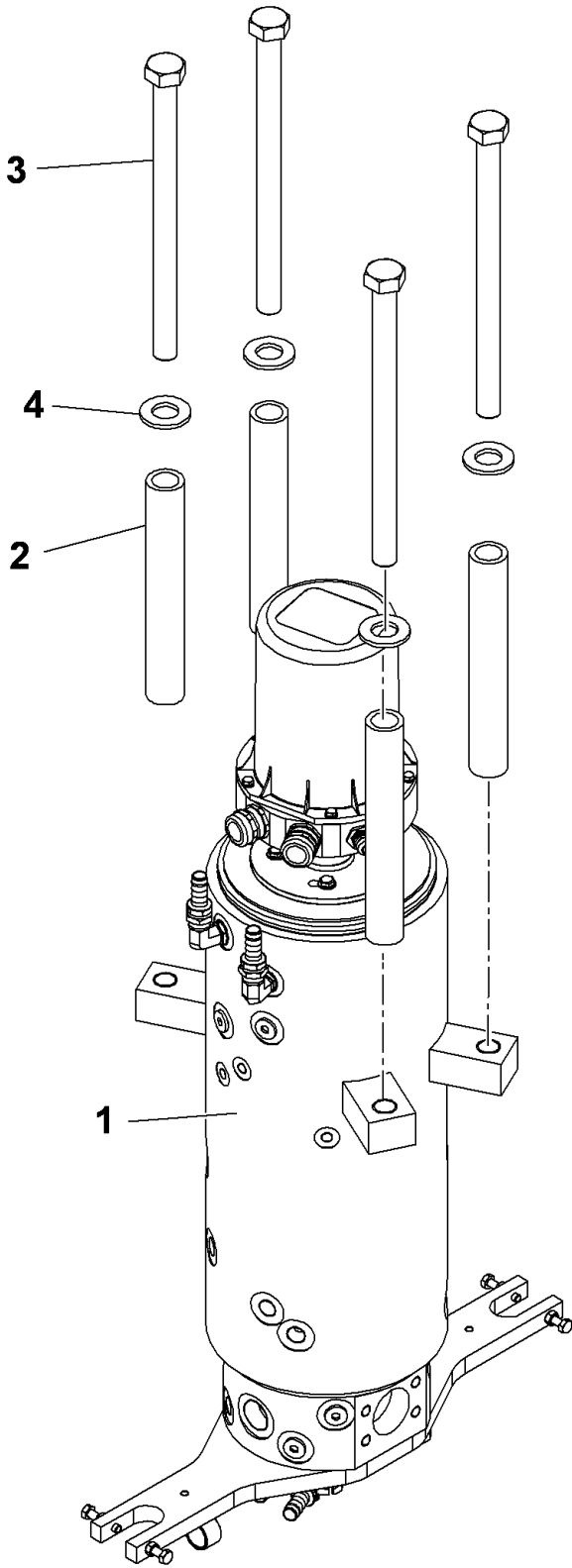
16MM DIA HOISTING WIRE ROPE -

Assembly No.

7782161382

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOIST CABLE - PART NUMBER IS 7782161382



Manitowoc Cranes

Description

ELECTRIC, WATER & HYDRAULIC SWIVEL INSTALLATION

Assembly No.

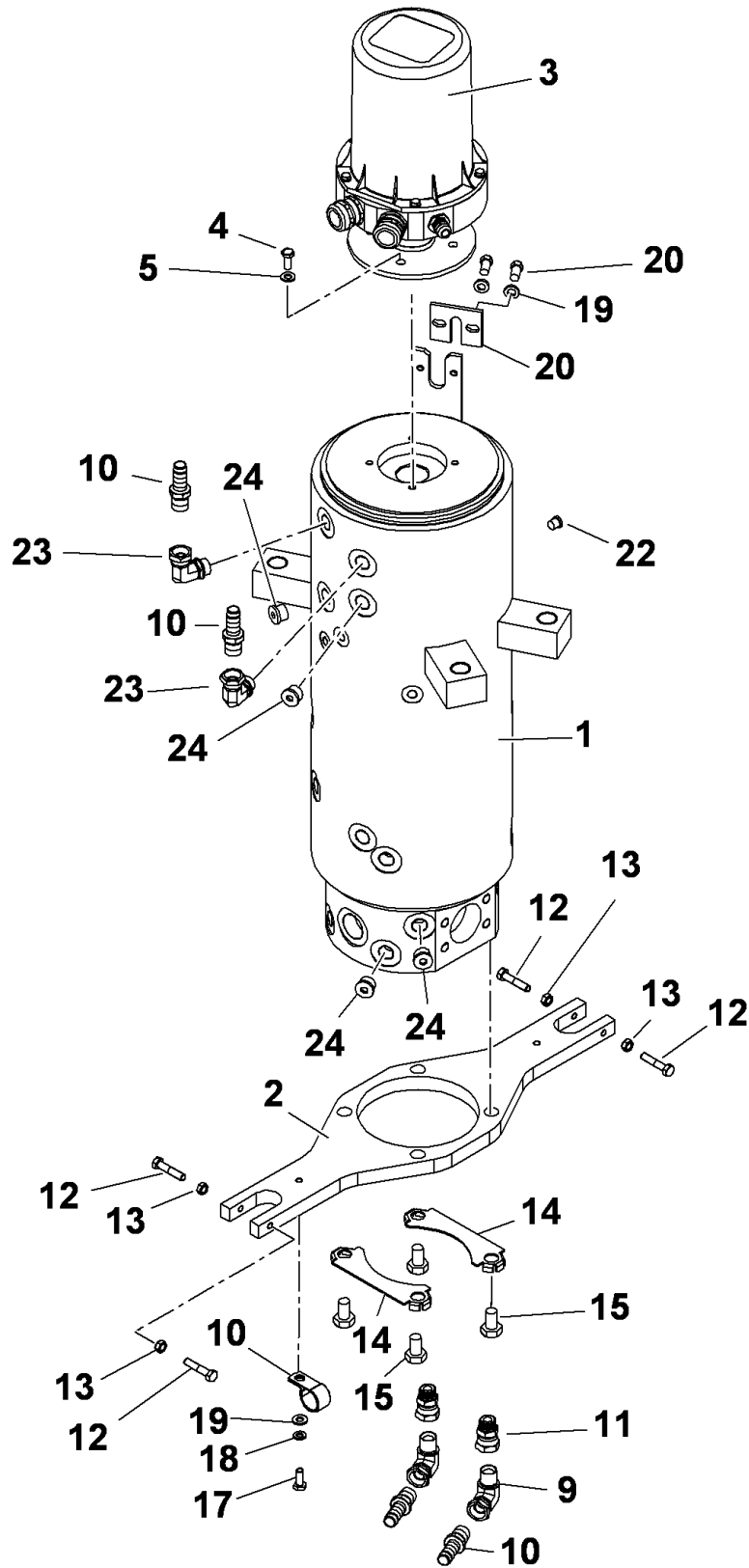
80041791

Revision: **A**

Item	FN	Part	Qty	Description
1	+	80041790	1	ELECTRIC, WATER & HYDRAULIC SWIVEL ASSEMBLY
2		6199100100	4	BUSHING
3		7126294350	4	CAP SCREW, M24X340 HEX HEAD
4		7951290095	4	F WASHER 24-HRC38 ANSI B18.22M

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



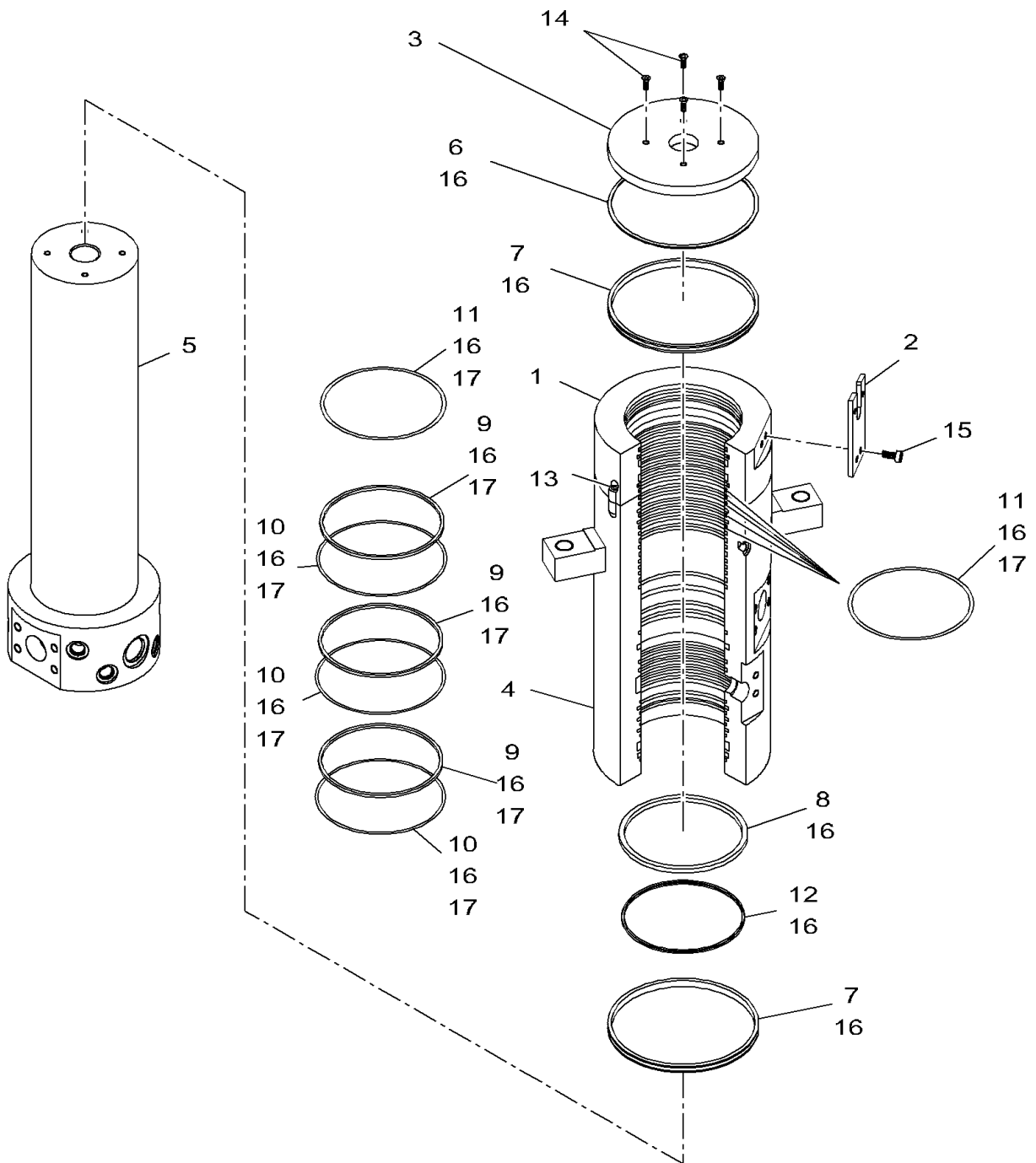
Manitowoc Cranes

Description				Assembly No.
ELECTRIC, WATER & HYDRAULIC SWIVEL ASSEMBLY				80041790
				Revision: A
Item	FN	Part	Qty	Description
1	+	7364100165	1	SWIVEL ASSEMBLY - 14 PORT HYDRAULIC, WATER AND AIR CONDITIONING (COMPLETE ASSEMBLY)
2		6705171011	1	PLATE, RETAINER
3		80041785	1	SLIP RING ASSY- 20 POLE
4		7126171150	4	CAP SCREW, M8 X 20MM HEX HEAD
5		7949000534	4	WASHER, HARDENED ROUND
9		7445080804	2	ELBOW, 90 DEGREE
10		7649000059	4	NIPPLE, HOSE 5/8 ID TO 1/2 NPT
11		7445080803	2	ADAPTER, STRAIGHT
12		7126171550	4	CAP SCREW, M8 X 40MM HEX HEAD
13		7661170003	4	NUT
14		6705100260	2	PLATE, RETAINER
15		7127241550	4	CAP SCREW, M16 X 40MM HEX HEAD
16		7300000244	1	CLAMP, TUBING 1" I.D.
17		7126171150	1	CAP SCREW, M8 X 20MM HEX HEAD
18		7950150050	1	WASHER, LOCK 5/16" I.D.
19		7950150141	3	WASHER, FLAT 5/16"
20	#	7126171150	2	CAP SCREW, M8 X 20MM HEX HEAD
21		6705016148	1	PLATE
22		7709800001	1	PLUG, SAE #4 INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
23		7445080808	2	ADAPTER, SWIVEL
24	#	7709800000	4	PLUG, SAE #8 INCLUDES THE FOLLOWING PARTS
		7755908002	1	O-RING

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

**SWIVEL ASSEMBLY - 14 PORT HYDRAULIC, WATER AND AIR CONDITIONING
(COMPLETE ASSEMBLY)**

Assembly No.

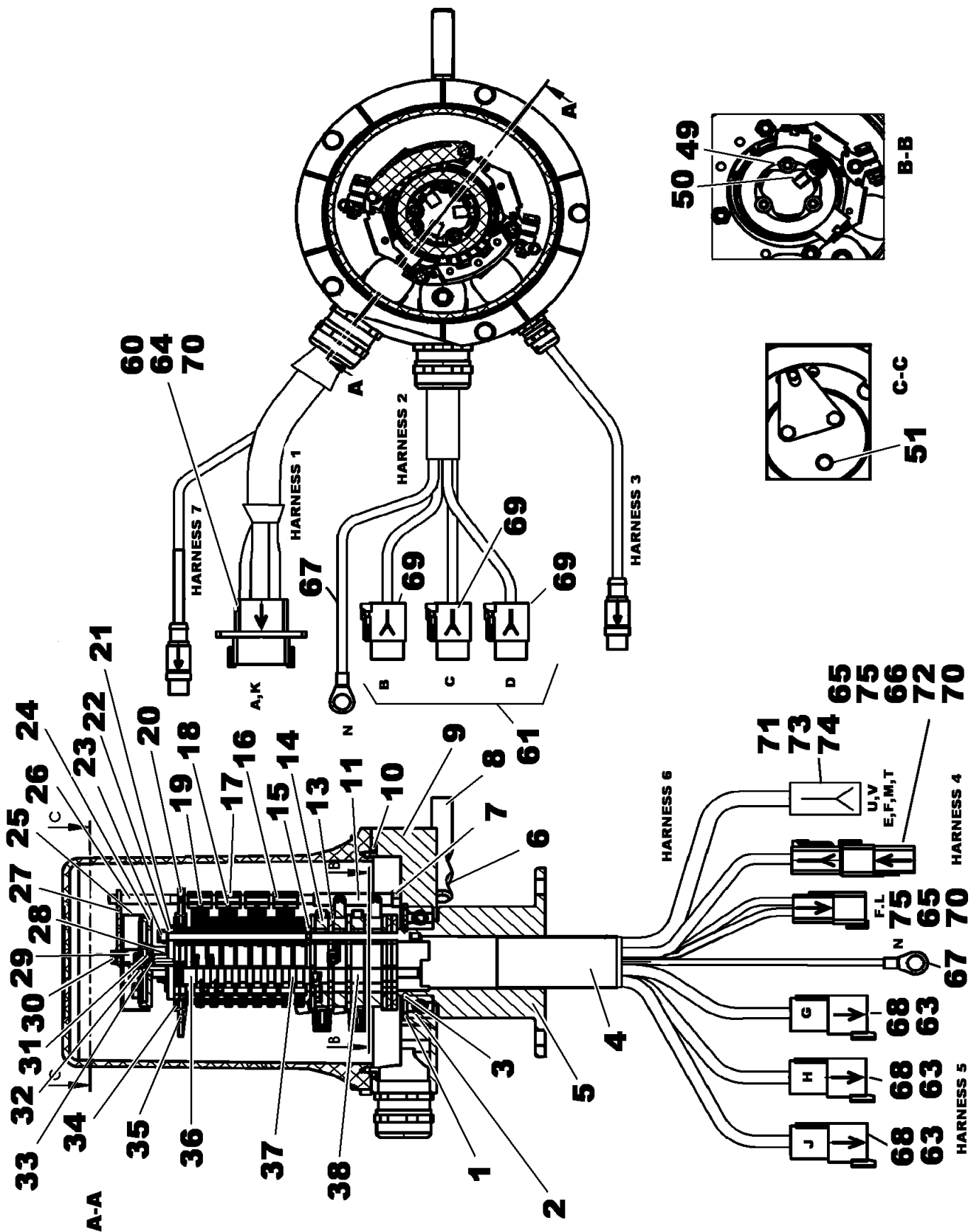
7364100165

Revision:

Item	FN	Part	Qty	Description
1		9364101826	1	HOUSING, WATER
2		9364101827	1	BRACKET
3		9364101818	1	PLATE, COVER FLANGE
4		9364101828	1	HOUSING, CASE
5		9364101820	1	SPOOL ASSY. HYD./ WATER
6	*	NSS	2	RING, ANTI-SEIZURE
7	*	NSS	2	V-SEAL
8	*	NSS	13	RING, SEAL
9	*	NSS	3	O-RING
10	*@	NSS	3	RING, GLYD
11	*@	NSS	6	O-RING
12	*@	NSS	1	O-RING
13		9364101821	4	SCREW, GRUB
14		9364101822	4	CAPSCREW
15		9364101823	2	CAPSCREW, M8
16	*	9364101829	1	KIT, SEAL
17	@	9364101830	1	KIT, SEAL SEAL KIT FOR WATER HOUSING INCLUDES ITEMS 10 QTY. 3, ITEM 11 QTY. 3, AND ITEM 12 QTY.2

* REPAIR KIT AND/OR PART OF KIT

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



Manitowoc Cranes

Description SLIP RING ASSY- 20 POLE				Assembly No. 80041785 Revision:
Item	FN	Part	Qty	Description
1		90022152	1	CIRCLIP
2		90019574	1	BEARING, PLAIN
3		90022153	1	CIRCLIP
4		90022154	1	TUBE, SHRINK
5		90022195	1	FLANGE, MOUNTING
6		90022156	2	SCREW
7		90022157	4	NUT
8		90019562	1	DRIVER, GSK 180
9		90022158	1	BASE
10		90014991	1	O-RING, 0146 X 4.0
11		90022159	4	TUBE
12		90019564	1	COVER, HOUSING
13		90022160	7	RING, ISOLATOR
14		90019566	4	RING, 60A
15		90022161	3	NUT
16		90019570	3	BRUSH ASSY. LESS WIRE
17		90019571	5	BRUSH ASSY. GOLD
18		90014985	8	RING, INSULATOR
19		90014986	16	RING, SLIP
20		90022167	3	ROD, THREADED
21		90019572	1	ENCODER ADAPTER FOR PULSE MAG
22		90022162	3	WASHER
23		90022168	3	NUT
24		90019573	1	ENCODER ADAPTER FOR PCB
25		90022163	1	COVER, YELLOW
26		90022098	1	SCREW-170MM M6X20
27		90015065	1	DRIVER, ENCODER CIRCUIT BOARD
28		90019574	1	BEARING, PLAIN
29		90022165	3	SPACER
30		90022166	3	NUT
31		90015079	3	SPACER
32		90019568	1	KIT, TWK ENCODER
33		90022164	1	CIRCILP
34		90015080	2	PLATE, CENTER INSIDE

Manitowoc Cranes

Description SLIP RING ASSY- 20 POLE				Assembly No. 80041785 Revision:
Item	FN	Part	Qty	Description
35		90015073	1	PLATE, CENTER OUTSIDE
36		90015075	3	SPACER, 8.5 500V
37		90014988	24	SPACER, 4,3
38		90022182	12	SPACER
39		90022170	1	INSERT, SEALING
40		90022171	4	SHOE, CABLE
41		90022173	5	SCREW
42		90022172	5	WASHER
43		90019577	4	BRUSH RING, 60A
44		90022098	3	SCREW-170MM M6X20
45		90019575	1	FITTING, REDUCER, M20-M16
46		90015048	1	GROMMET, 5 - 9MM
47		90019569	2	GROMMET, 15-20MM
48		90022169	1	CAP, VENT
49		90022175	4	SCREW
50		90022174	4	SHOE, CABLE
51		90022176	2	WASHER
53		NPN	1	NO PART NUMBER HARNESS ASSY. # 1
54		NPN	1	NO PART NUMBER HARNESS ASSY. # 2
55		NPN	1	NO PART NUMBER HARNESS ASSY. # 3
56		NPN	1	NO PART NUMBER HARNESS ASSY. # 4
57		NPN	1	NO PART NUMBER HARNESS ASSY. # 5
58		NPN	1	NO PART NUMBER HARNESS ASSY. # 6
60		7892001012	1	RECEPTABLE, 12 P FLANGE
61		7709000876	3	PLUG, 1 SOCKET
62		7709000883	1	PLUG 6 SOCKET
63		7892000939	3	RECEPTACLE, 1 PIN
64		7172000551	1	BOOT

Manitowoc Cranes

Description

SLIP RING ASSY- 20 POLE

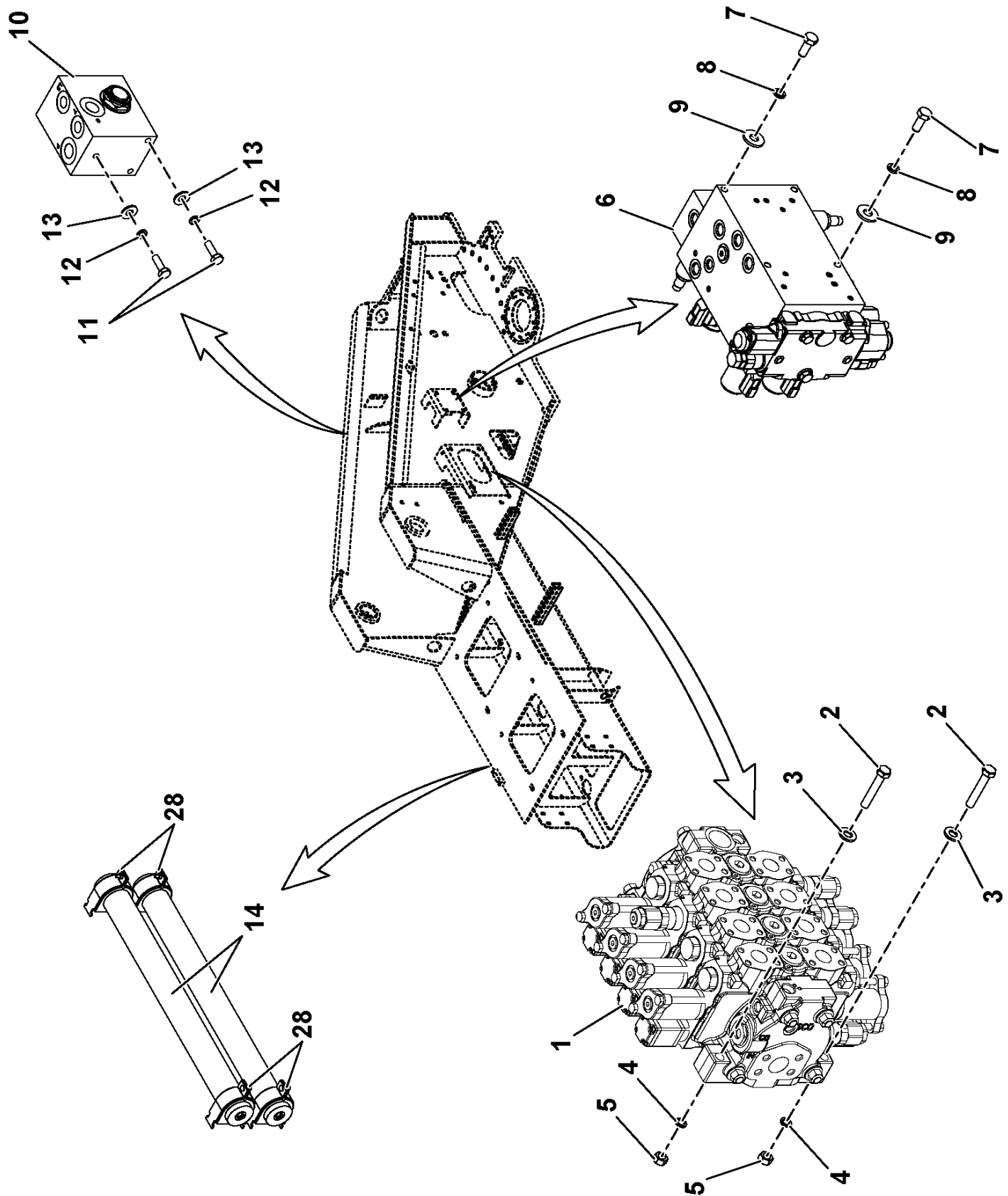
Assembly No.

80041785

Revision:

Item	FN	Part	Qty	Description
65		7172000564	1	BOOT
66		7172000565	1	BOOT, CONNECTOR
67		7345242101	1	TERMINAL 6 AWG
68		7689000813	3	PIN 4 AWG
69		7826000095	3	SOCKET, 4 AWG
70		7689002053	12	PIN 16 - 18 AWG
71		7826100004	9	SOCKET, (16 - 18) 30 SERIES
72		7689000503	1	PLUG, SEALING 16 - 12 AWG
73		7709000874	1	PLUG 3 SOCKET
74		7172000547	1	BOOT
75		7892000986	1	RECEPTACLE, 6 PIN

Manitowoc Cranes



Manitowoc Cranes

Description

CONTROL VALVE INSTALLATION - MAIN AND AUXILIARY HOIST

Assembly No.

80005113

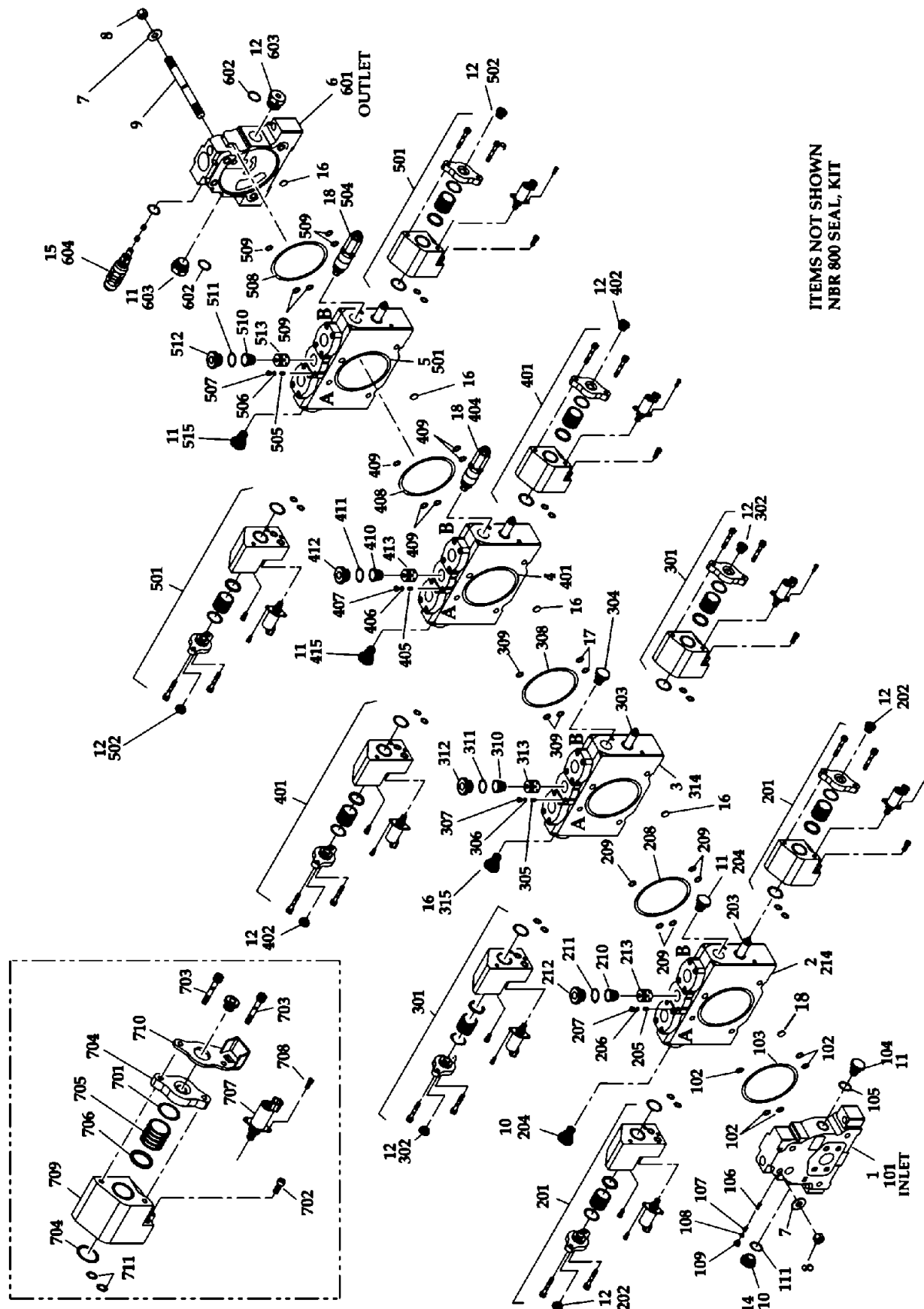
Revision: #

Item	FN	Part	Qty	Description
1	+	7926100974	1	VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION (COMPLETE ASSEMBLY)
2		7126212150	3	CAP SCREW, M12 X 70MM HEX HEAD
3		7950180141	6	WASHER, FLAT 1/2"
4		7951210210	3	LOCK WASHER, 12MM I.D.
5		7661210003	3	NUT, HEX 12MM N.C.
6	+	80002486	1	VALVE ASSEMBLY - ACCESSORY WITH SWING AND STEER DIRECTIAL CONTROL (COMPLETE ASSEMBLY)
7		7126171150	4	CAP SCREW, M8 X 20MM HEX HEAD
8		7951170210	4	WASHER, LOCK 8MM
9		7950150161	4	WASHER, 5/16" FLAT PLAIN WIDE
10		7926100910	1	VALVE ASSY, DUAL ACCUMULATOR CHARGE INCLUDES THE FOLLOWING PARTS
		9926113270	1	SWITCH ASSY. PRESSURE
11		7126151153	3	CAP SCREW, M6X20 HEX HEAD
12		7951150210	3	LOCKWASHER, 6MM I.D.
13		7950140141	3	WASHER, FLAT 1/4" PLAIN NARROW
14	#	7005100017	2	ACCUMULATOR ASSY, HYDRAULIC OIL INCLUDES THE FOLLOWING PARTS
	#	9005100230	1	VALVE ASSY. GAS
	#	9005100231	1	CAP, VALVE
28		7300100025	4	CLAMP ASSY, 2.38" HYDRA-ZORB

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



ITEMS NOT SHOWN
NBR 800 SEAL, KIT

Manitowoc Cranes

Description				Assembly No.
VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION (COMPLETE ASSEMBLY)				7926100974
				Revision:
Item	FN	Part	Qty	Description
1		9926113280	1	VALVE ASSY. INLET SECTION INCLUDES ITEMS 101 THRU 111
2		9926113281	1	VALVE ASSY. WORK SECTION FOR MAIN HOIST, INCLUDES ITEMS 201 THRU 203 AND 205 THRU 214
3		9926113281	1	VALVE ASSY. WORK SECTION FOR AUX. HOIST, INCLUDES ITEMS 301 THRU 303 AND 305 THRU 314
4		9926113370	1	VALVE SECTION ASSY. WORK TELESCOPE INCLUDES ITEMS 401 THRU 403 AND 405 THRU 414
5		9926113283	1	VALVE ASSY. WORK SECTION FOR LIFT, INCLUDES ITEMS 501 THRU 503 AND 505 THRU 514
6		9926113284	1	VALVE ASSY. OUTLET SECTION INCLUDES ITEMS 601 THRU 602
7		9926111435	8	WASHER, COMPRESSION
8		9926111436	8	NUT
9		9926111533	4	ROD, TIE
10		9926111439	6	PLUG ASSEMBLY, SHUT-OFF INCLUDES THE FOLLOWING PARTS
		9926111468	1	SEAL-SPECIAL
11		9926111999	2	PLUG ASSY
12		9926112141	7	PLUG
13		9926113285	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		7755912002	1	O-RING
14		9926113018	1	VALVE,CART. RELIEF @ 4000 PSI INCLUDES THE FOLLOWING PARTS
		9926111470	1	SEAL-SPECIAL
		9926111469	2	O-RING
15		9926113286	1	VALVE,CART. RELIEF @ 3500 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING
16		9926113287	1	VALVE,CART. RELIEF @ 3250 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING
17		9926113017	1	VALVE,CART. RELIEF @ 4300 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING

Manitowoc Cranes

Description

**VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION
(COMPLETE ASSEMBLY)**

Assembly No.

7926100974

Revision:

Item	FN	Part	Qty	Description
18		9926111438	4	DISK, SHUTTLE
101		NSS	1	HOUSING
102	*	NSS	5	O-RING
103	*	NSS	1	O-RING
104		9926111439	1	PLUG ASSEMBLY, SHUT-OFF INCLUDES THE FOLLOWING PARTS
		9926111468	1	SEAL-SPECIAL
105		NSS	1	SEAL, INCLUDED WITH PLUG ASSY.
106		9926112004	1	FILTER
107		9926112003	1	SPRING
108	*	NSS	1	O-RING
109		9926112141	1	PLUG
110		9926113285	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		7755912002	1	O-RING
111		NSS	1	O-RING, INCLUDED WITH ITEM 110
201		9926113288	2	SOLENOID & CAP ASSY. 12V. INCLUDES ITEMS 701 THRU 711
202		9926112141	2	PLUG
203		NSS	1	SPOOL
204		9926111439	2	PLUG ASSEMBLY, SHUT-OFF INCLUDES THE FOLLOWING PARTS
		9926111468	1	SEAL-SPECIAL
205		9926112199	1	SET SCREW
206	*	NSS	1	O-RING
207		9926113026	1	PLUG ASSY.
208	*	NSS	1	O-RING
209	*	NSS	5	O-RING
210		9926112200	1	SPRING

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description				Assembly No.
VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION (COMPLETE ASSEMBLY)				7926100974
				Revision:
Item	FN	Part	Qty	Description
211	*	NSS	1	O-RING
212		9926113025	1	PLUG ASSY.
213		NSS	1	SPOOL, COMPENSATOR
214		NSS	1	HOUSING
301		9926113288	2	SOLENOID & CAP ASSY. 12V. INCLUDES ITEMS 701 THRU 711
302		9926112141	2	PLUG
303		NSS	1	SPOOL
304		9926111439	2	PLUG ASSEMBLY, SHUT-OFF INCLUDES THE FOLLOWING PARTS
		9926111468	1	SEAL-SPECIAL
305		9926112199	1	SET SCREW
306	*	NSS	1	O-RING
307		9926113026	1	PLUG ASSY.
308	*	NSS	1	O-RING
309	*	NSS	5	O-RING
310		9926112200	1	SPRING
311	*	NSS	1	O-RING
312		9926113025	1	PLUG ASSY.
313		NSS	1	SPOOL, COMPENSATOR
314		NSS	1	HOUSING
401		9926113288	2	SOLENOID & CAP ASSY. 12V. INCLUDES ITEMS 701 THRU 711
402		9926112141	2	PLUG
403		NSS	1	SPOOL
404		9926113287	1	VALVE,CART. RELIEF @ 3250 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION (COMPLETE ASSEMBLY)				Assembly No. 7926100974 Revision:
Item	FN	Part	Qty	Description
405		9926112199	1	SET SCREW
406	*	NSS	1	O-RING
407		9926113026	1	PLUG ASSY.
408	*	NSS	1	O-RING
409	*	NSS	5	O-RING
410		9926112200	1	SPRING
411	*	NSS	1	O-RING
412		9926113025	1	PLUG ASSY.
413		NSS	1	SPOOL, COMPENSATOR
414		NSS	1	
415		9926113286	1	VALVE,CART. RELIEF @ 3500 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING
501		9926113288	2	SOLENOID & CAP ASSY. 12V. INCLUDES ITEMS 701 THRU 711
502		9926112141	1	PLUG
503		NSS	1	SPOOL
504		9926113017	1	VALVE,CART. RELIEF @ 4300 PSI INCLUDES THE FOLLOWING PARTS
		9926112013	1	O-RING
505		9926112199	1	SET SCREW
506	*	NSS	1	O-RING
507		9926113026	1	PLUG ASSY.
508	*	NSS	1	O-RING
509	*	NSS	5	O-RING
510		9926112200	1	SPRING
511	*	NSS	1	O-RING
512		9926113025	1	PLUG ASSY.

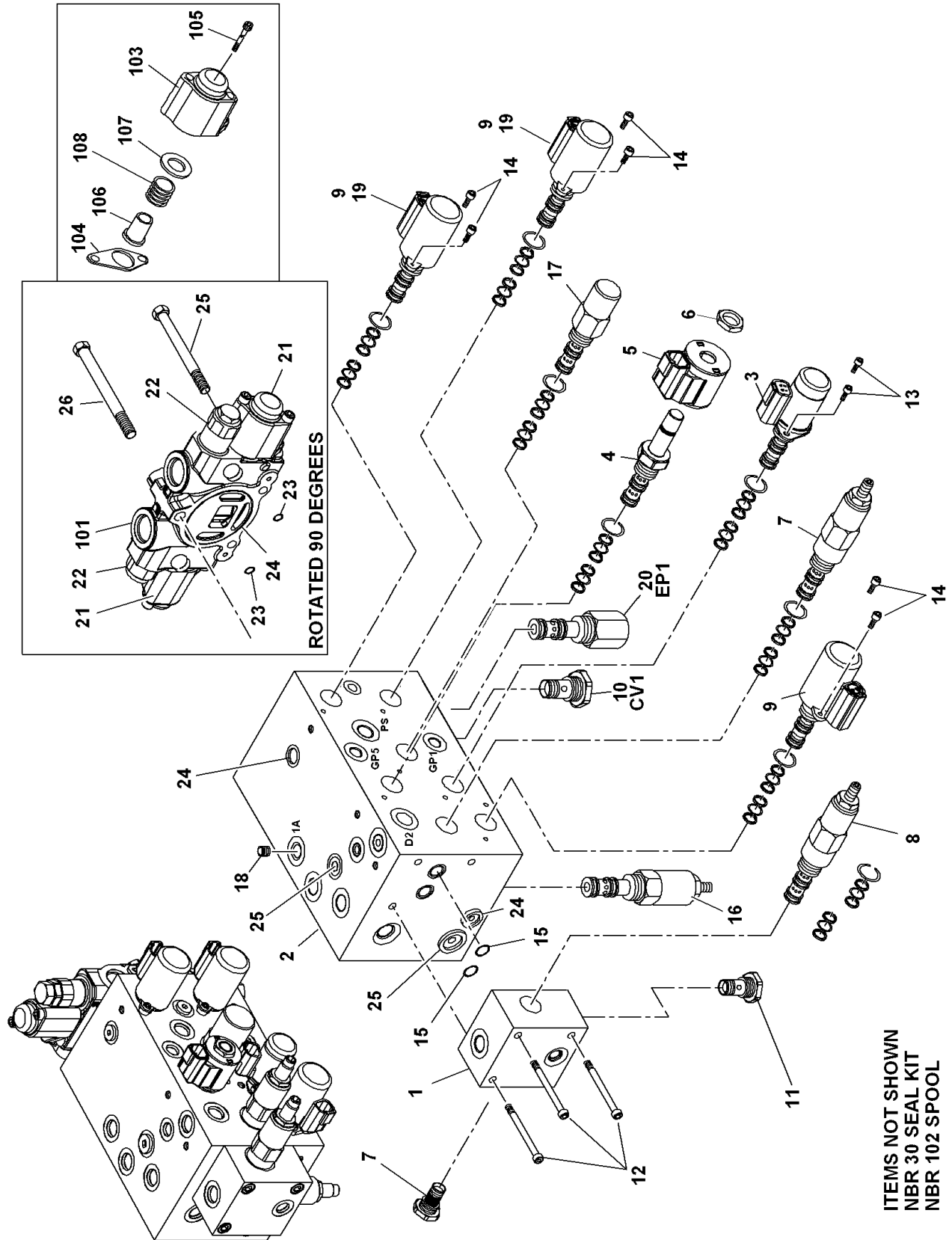
* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description				Assembly No.
VALVE ASSEMBLY - DIRECTIONAL CONTROL 4 SECTION (COMPLETE ASSEMBLY)				7926100974
				Revision:
Item	FN	Part	Qty	Description
513		NSS	1	SPOOL, COMPENSATOR
514		NSS	1	HOUSING
515		9926111439	1	PLUG ASSEMBLY, SHUT-OFF INCLUDES ITEMS 701 THRU 711 INCLUDES THE FOLLOWING PARTS
		9926111468	1	SEAL-SPECIAL
601		NSS	1	HOUSING
602	*	NSS	2	O-RING
603		9926111999	2	PLUG ASSY
604		9926113018	1	VALVE,CART. RELIEF @ 4000 PSI INCLUDES THE FOLLOWING PARTS
		9926111470	1	SEAL-SPECIAL
		9926111469	2	O-RING
701		7755220000	2	O-RING
702		9926111974	1	SCREW,
703		9926111452	2	SCREW-HEX HEAD
704		9926111453	1	CAP
705		9926111456	1	SPRING
706		9926111457	1	WASHER,
707		9926113030	1	CARTRIDGE & COIL ASSY. 12V. INCLUDES THE FOLLOWING PARTS
		9926113032	1	KIT, SEAL
708		9926113029	2	CAPSCREW
709		NSS	1	CAP, SPOOL
710		9926113289	1	BRACKET
711		7755107002	2	O-RING
800	*	9926113031	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

**VALVE ASSEMBLY - ACCESSORY WITH SWING AND STEER DIRECTIAL CONTROL
(COMPLETE ASSEMBLY)**

Assembly No.

80002486

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	BODY, VALVE
2		NSS	1	BODY, VALVE
3		9926113045	1	VALVE, CART. & COIL ASSY. 12V. INCLUDES THE FOLLOWING PARTS
		9926113057	1	KIT, SEAL
4		9926106474	1	VALVE, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926108423	1	KIT, SEAL
		9926107745	1	NUT
5		9926112931	1	COIL, 12V.
6		9926107745	1	NUT
7		90012924	1	VALVE,PRESS.REDUCING 250 PSI INCLUDES THE FOLLOWING PARTS
		9926111722	1	KIT, SEAL
8		90012925	1	VALVE,PRESS.REDUCING 2500 PSI INCLUDES THE FOLLOWING PARTS
		9926113058	1	KIT, SEAL
9		9926113165	3	VALVE,CART/COIL PRESS.REDUCING INCLUDES THE FOLLOWING PARTS
		9926113057	1	KIT, SEAL
		90020184	1	KIT, SEAL
10		9926113049	1	VALVE, CHECK INCLUDES THE FOLLOWING PARTS
		9926112358	1	KIT, SEAL
11		9926110629	1	CARTRIDGE ASSY. FILTER INCLUDES THE FOLLOWING PARTS
		9752100994	1	KIT, REPAIR
		9926108644	1	KIT, SEAL
12		90012926	3	CAPSCREW, SOCKET HEAD 2-1/4" LG
13		90012927	2	CAPSCREW, 8MM LG
14		9926113051	6	CAPSCREW, SOCKET HEAD 10MM
15		7755014000	2	O-RING
16		9926113167	1	VALVE, RELIEF @ 2500 PSI INCLUDES THE FOLLOWING PARTS
		9926108644	1	KIT, SEAL
17		9926113443	1	VALVE, PRESS. COMPENSATOR INCLUDES THE FOLLOWING PARTS
		9926110372	1	KIT, SEAL

Manitowoc Cranes

Description

**VALVE ASSEMBLY - ACCESSORY WITH SWING AND STEER DIRECTIAL CONTROL
(COMPLETE ASSEMBLY)**

Assembly No.

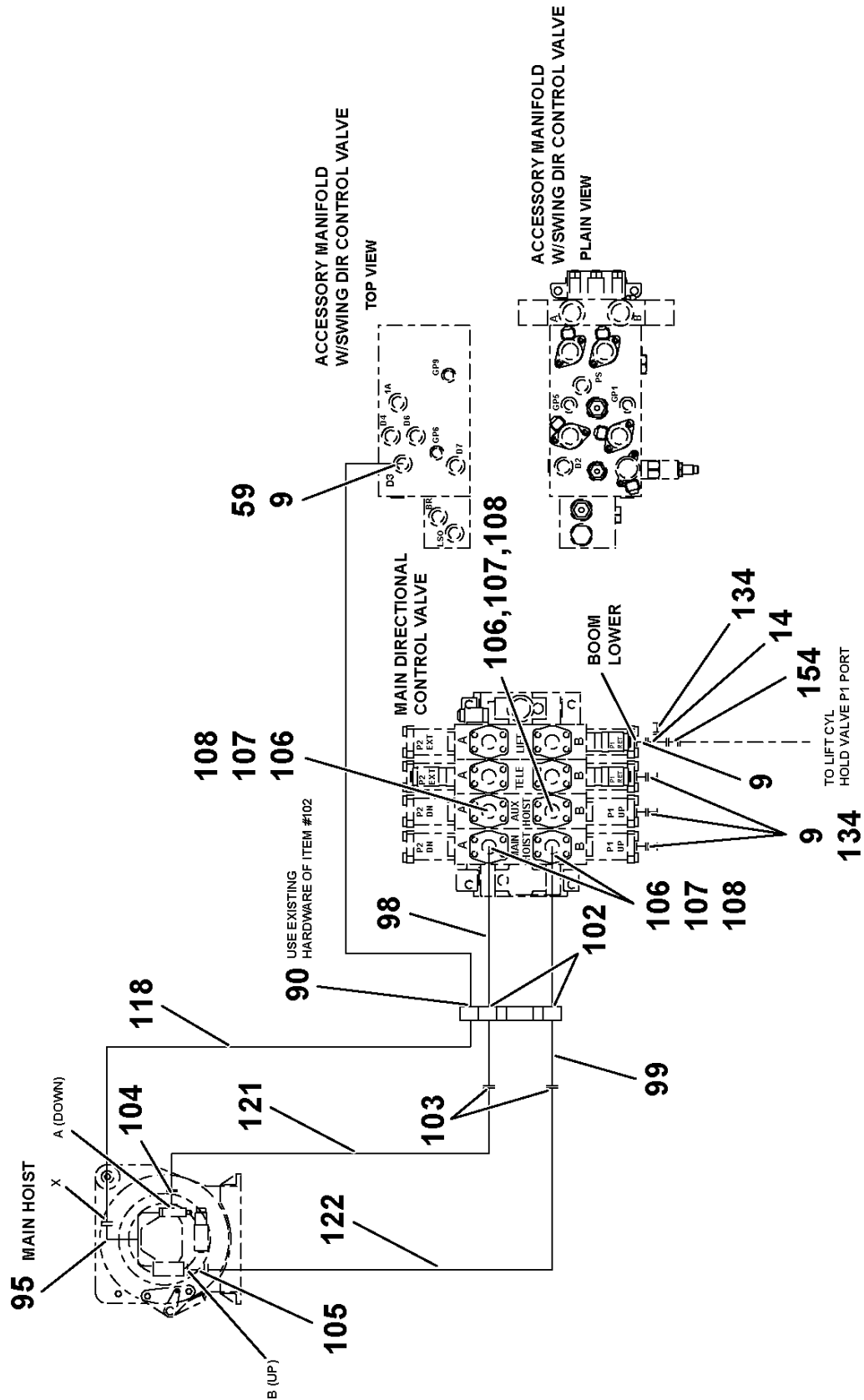
80002486

Revision:

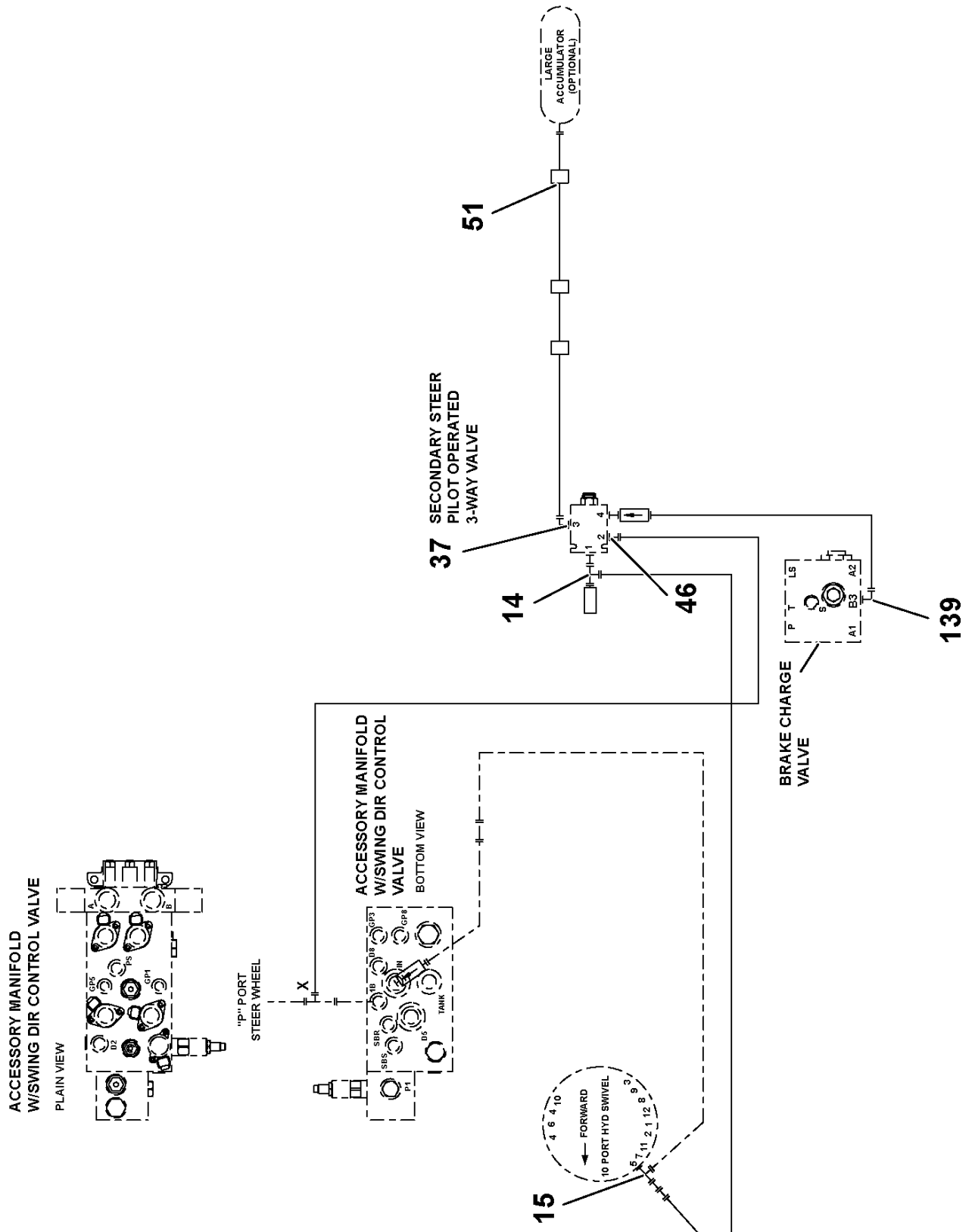
Item	FN	Part	Qty	Description
18		9926113171	1	PLUG, ORIFICE .040"
19		90000899	2	DISC, ORIFICE .015
20		9926110370	1	CARTRIDGE
				INCLUDES THE FOLLOWING PARTS
		9926107747	1	KIT, SEAL
21		90012928	1	KIT, VALVE ASSY. WORK SECTION
				INCLUDES ITEMS 22 THRU 24
				AND ITEMS 101 THRU 108
22		9926113254	2	VALVE, CART. RELIEF @ 1800 PSI
				INCLUDES THE FOLLOWING PARTS
		9926111932	1	O-RING, VITON
		9926111931	1	O-RING, VITON
23		9926112501	2	O-RING,VITON
24		9926113253	1	O-RING SEAL
25		90012929	2	CAPSCREW
26		90012930	1	CAPSCREW
101		NSS	1	
				HOUSING
102		NSS	1	
				SPOOL
103		9926113301	2	CAP
104		90000633	2	SEAL, CAP
105		9926113302	4	CAPSCREW
106		9926113298	2	SEAT, SPRING
107		9926113300	2	WASHER
108		9926113299	2	SPRING

Manitowoc Cranes

Notes

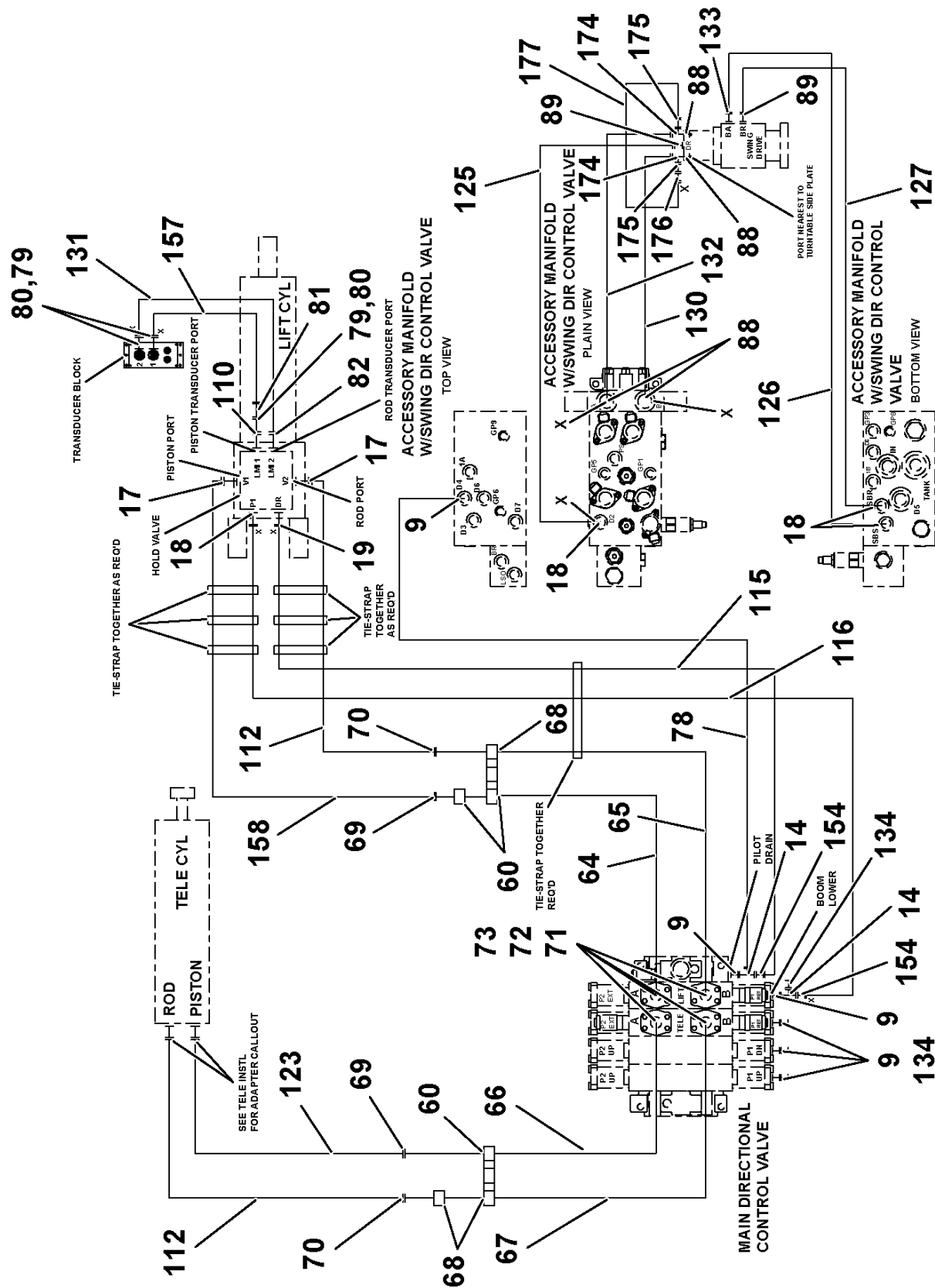


MAIN & FUTURE AUX HOIST HYD LINES

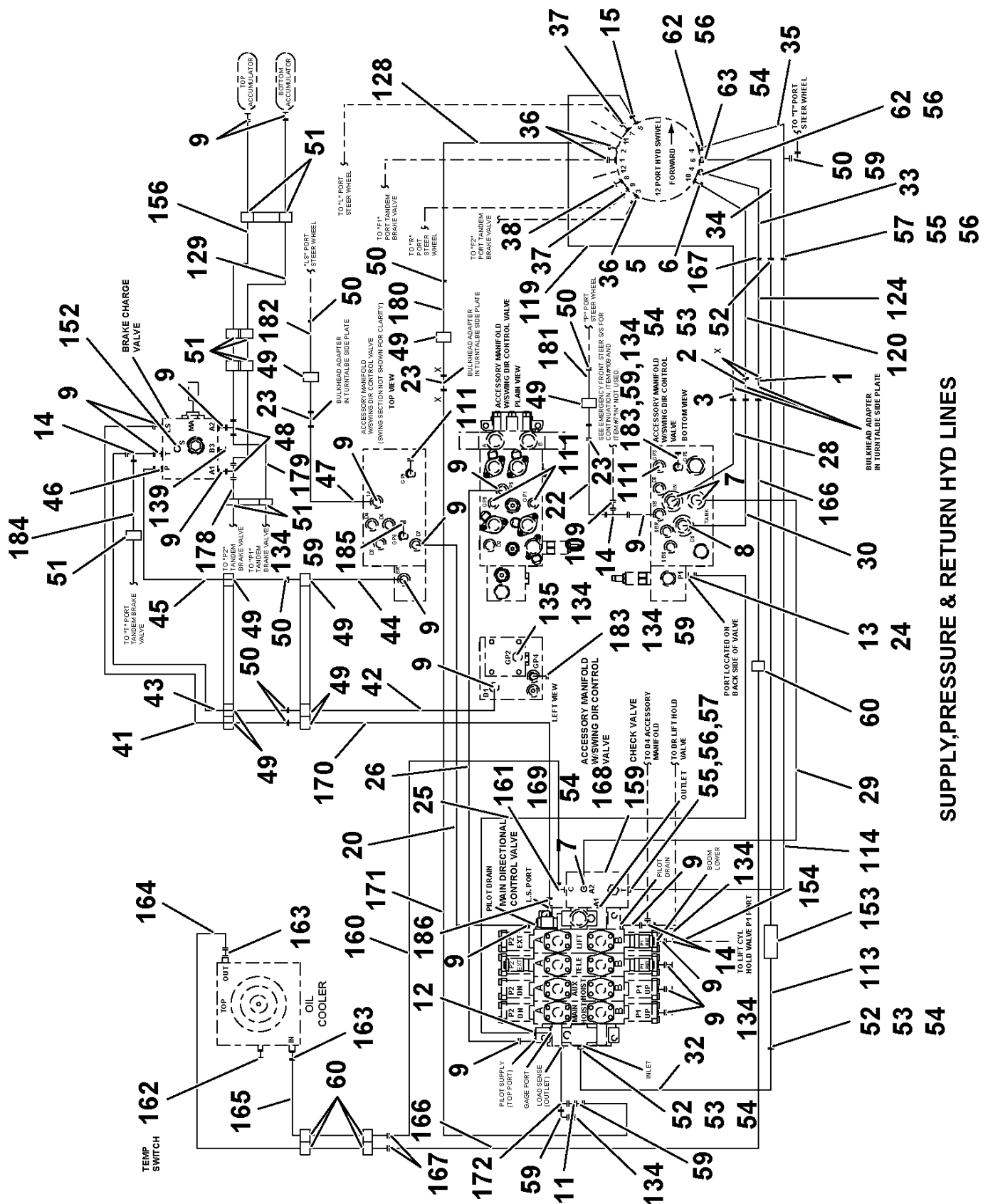


EMERGENCY FRONT STEER FOR C.E. CONFORMITY HYD LINES





LIFT, TELE & SWING HYD LINES



SUPPLY,PRESSURE & RETURN HYD LINES

Manitowoc Cranes

Description

**HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST
(SUPERSTRUCTURE)**

Assembly No.

80015462

Revision: #

Item	FN	Part	Qty	Description
1		7447202032	1	ELBOW, #20 BULKHEAD UNION 90
2		7447121232	1	ELBOW, #12 BULKHEAD UNION 90
3		7447121217	1	UNION, BULKHEAD INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
5		7447121233	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
6		7447121601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755916002	1	O-RING
7		7447161601	3	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755916002	1	O-RING
8		7926100959	1	VALVE, #12 INLET CHECK
9		7447060601	21	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
11		7013001112	1	FITTING, ORIFICE .031
12		7447080601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755906002	1	O-RING
13		7447080801	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
14		7447060634	4	TEE, FEMALE RUN INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
15		7447121203	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
17		7447161638	2	ELBOW, 90 DEGREE LONG INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755916002	2	O-RING

Manitowoc Cranes

Description

**HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST
(SUPERSTRUCTURE)**

Assembly No.

80015462

Revision: #

Item	FN	Part	Qty	Description
18		7447040601	4	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
19		7447040401	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
20		7910101436	1	TUBE ASSY, D4 MAN TO PD MAIN
22		7910101517	1	TUBE ASSY, 1B MAN TO P STEER
23		7447060617	3	UNION, BULKHEAD INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
24		7447080833	1	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
25		80000423	1	TUBE ASSY, P1 MAN TO P3 MAIN
26		7910101435	1	TUBE ASSY, PS MAN TO PS MAIN
28		80015247	1	TUBE ASSY
29		7910101628	1	TUBE ASSY, MAIN TANK TO CHECK
30		7910101618	1	TUBE ASSY, MANIFOLD D5 TO 10
32		7910101454	1	TUBE ASSY, INLET MAIN VALVE
33		7910101568	1	TUBE ASSY, PORT 4 SWIVEL TO TANK
34		7910101566	1	TUBE ASSY, PORT 6 SWIVEL TO IN
35		7910101567	1	TUBE ASSY, PORT 4 SWIVEL TO OUT
36		7447060403	3	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
37		7447060803	2	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755908002	1	O-RING
38		7709000038	1	O-RING PLUG #8 INCLUDES THE FOLLOWING PARTS
		7755908002	1	O-RING
41		7910101519	1	TUBE ASSY, LS BR CHARGE TO TUBE
42		7910101513	1	TUBE ASSY, D1 MAN TO TANK CHAR

Manitowoc Cranes

Description

**HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST
(SUPERSTRUCTURE)**

Assembly No.

80015462

Revision: #

Item	FN	Part	Qty	Description
43		7910101520	1	TUBE ASSY, T BR CHARGE TO TUBE
44		7910101515	1	TUBE ASSY, BR MAN TO P CHARGE
45		7910101518	1	TUBE ASSY, P BR CHARGE TO TUBE
46		7447060801	1	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755908002	1	O-RING
47		7910101516	1	TUBE ASSY, 1A MAN TO LS STEER
48		7447060635	2	TEE, BRANCH INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
49		7300000399	9	CLAMP, TUBING 3/8" I.D.
50		7755012002	7	O-RING
51		7300000401	9	CLAMP, TUBING 5/8" I.D.
52	#	7450000188	6	SPLIT FLANGE HALF, 1 1/4"
53		7115171250	12	CAP SCREW, 7/16" - 14 N.C. X 1 1/2" GRADE 5
54		7755222002	6	O-RING
55		7115181250	8	CAP SCREW, 1/2" - 13 N.C. X 1 1/2" GRADE 5
56		7755225002	4	O-RING
57	#	7450000102	4	FLANGE, SPLIT
59		7447060633	7	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
60		7300000405	8	CLAMP, TUBING
62		80010421	8	SHCS M12x70 -8.8 ISO 4762 PLTD
63		80010420	4	SHCS M10x65 -8.8 ISO 4762 PLTD
64		7910101597	1	TUBE ASSY, LIFT A EXT TO HOSE
65		7910101432	1	TUBE ASSY, LIFT B RET TO HOSE
66		7910101429	1	TUBE ASSY, TELE A EXT TO HOSE
67		7910101430	1	TUBE ASSY, TELE B RET TO HOSE
68		7300000404	3	CLAMP, 1" TUBING
69		7755021002	2	O-RING

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description				Assembly No.
HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST (SUPERSTRUCTURE)				80015462
				Revision: #
Item	FN	Part	Qty	Description
70	#	7755018002	2	O-RING
71		7450000201	8	FLANGE, SPLIT
72		7115161050	16	CAP SCREW, 3/8" - 16 N.C. X 1 1/4" GRADE 5
73		7755219002	4	O-RING
78		7910101437	1	TUBE ASSY, D6 MAN TO PD MAIN
79		7445060439	3	ADAPTER, REDUCING FEMALE
80		7445060642	3	NUT
81		7445040472	1	ELBOW, 90 DEGREE
82		7445040645	1	ELBOW, 90 DEGREE MALE
		7755906002	1	INCLUDES THE FOLLOWING PARTS O-RING
88		7447101001	4	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755016002	1	O-RING
		7755910002	1	O-RING
89		7447040403	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
90		7300000102	1	CLAMP, TUBING 5/8" I.D.
95		7447061001	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755910002	1	O-RING
96		7447060635	1	TEE, BRANCH INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
97		7447061003	1	FITTING, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755910002	1	O-RING
98		7910101607	1	TUBE ASSY, MAIN HOIST DOWN M&A
99		7910101608	1	TUBE ASSY, MAIN HOIST UP M&A
100		7910101609	1	TUBE ASSY, AUXILARY HOIST DOWN
101		7910101610	1	TUBE ASSY, AUXILARY HOIST UP
102		7300000405	6	CLAMP, TUBING

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description				Assembly No.
HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST (SUPERSTRUCTURE)				80015462
				Revision: #
Item	FN	Part	Qty	Description
103	#	7755021002	4	O-RING
104		7447161203	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
105		7447161201	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
106		7450000201	8	FLANGE, SPLIT
107		7115161050	16	CAP SCREW, 3/8" - 16 N.C. X 1 1/4" GRADE 5
108		7755219002	4	O-RING
109		7447060616	1	CAP INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
110		7926003526	1	FUSE, VELOCITY
111		7443100139	4	COUPLING, 1/8" TEST PORT
112		7543109321	2	HOSE ASSY, 3/4" I.D. X 93"
113		7546706470	1	HOSE, 1 1/4" STR S/F X 64" STR
114		7546806493	1	HOSE, 1 1/2" STR S/F X 64" 90
115		7555107601	1	HOSE ASSY, 1/4" I.D. X 76" LONG
116		7555109005	1	HOSE ASSY, 1/4" I.D. 45 X 90"
117		7910101644	1	TUBE ASSY, HOIST DR TO HOIST DR
118		7555207202	1	HOSE, 3/8" I.D X 72" LONG
119		7555503400	1	HOSE ASSY, 3/4" I.D. X 34" LONG
120		7555504201	1	HOSE ASSY, 3/4" I.D. X 42" LONG
121		7555602360	2	HOSE ASSY, 1" STR ORFS X 23"
122		7555603062	2	1" I.D. HYDR HOSE ASSY STR-45
123		7555604560	1	HOSE ASSY, 1" STR ORFS X 45"
124		7555702591	1	HOSE ASSY, 1 1/4" STR ORF X 25"
125		7555103203	1	HOSE ASSY, 1/4" I.D. STR X 32"
126		7555103000	1	HOSE ASSY, 1/4" I.D X 30" LONG
127		7555103600	1	HOSE ASSY, USE AS REQUIRED 1/4" I.D. X 36"
128		7555201921	1	HOSE ASSY, 3/8" I.D. X 19" LONG

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description

**HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST
(SUPERSTRUCTURE)**

Assembly No.

80015462

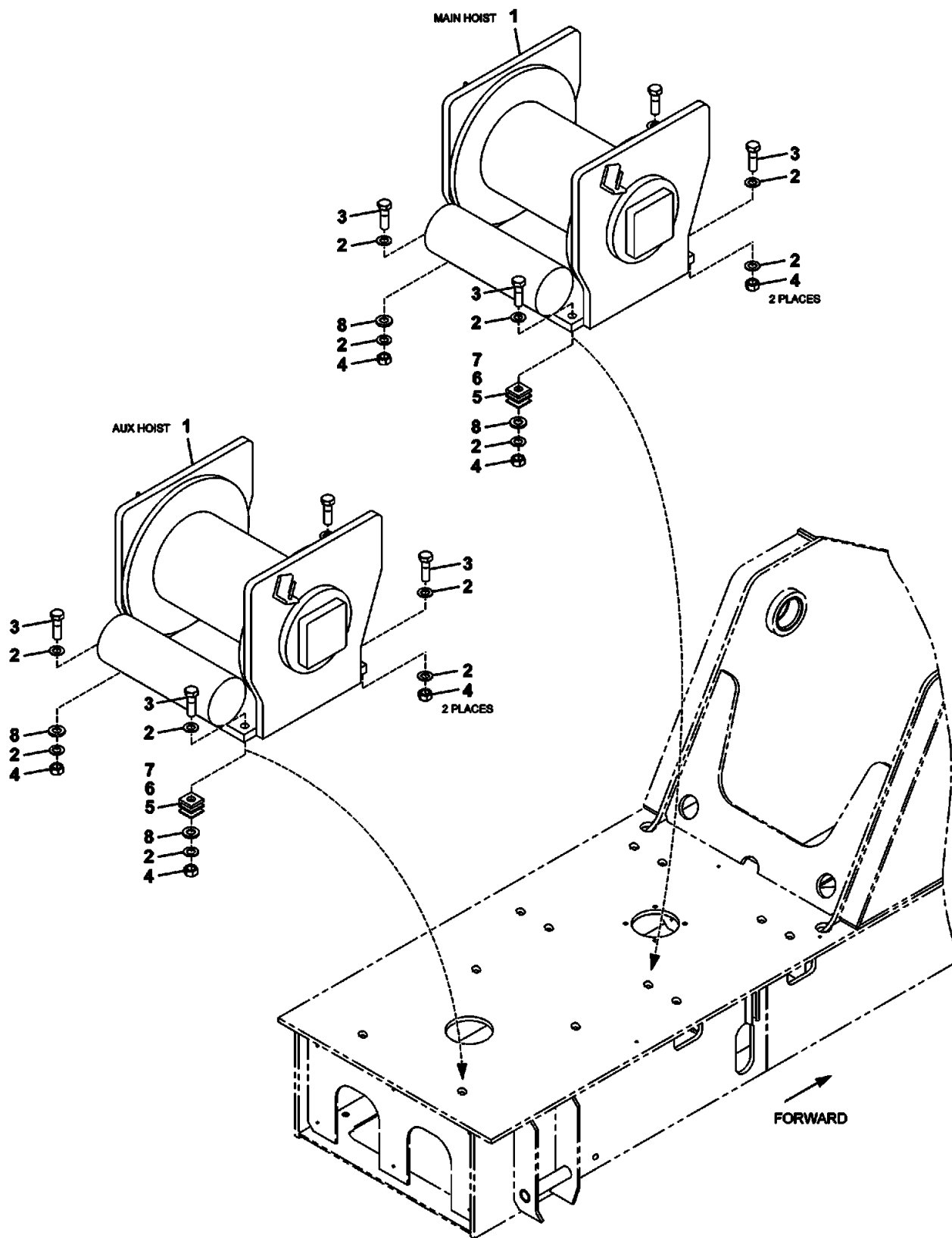
Revision: #

Item	FN	Part	Qty	Description
129		7555208900	1	HOSE ASSY, 3/8" I.D. X 89"
130		7555402101	1	HOSE ASSY, 5/8" STR ORFS X 21"
131		7550104221	1	HOSE ASSY, 1/4" ID STR X 42"
132		7555402403	1	HOSE ASSY, 5/8" I.D. STR-9 HYD
133		7447040408	1	ELBOW, 45 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
134		7443100140	9	COUPLING, 3/8" TEST PORT INCLUDES THE FOLLOWING PARTS
		9447100041	1	CAP, DUST - DIAGNOSTIC
135		7447060403	1	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
139		7709000031	1	O-RING PLUG #6 INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
152		7709000038	1	O-RING PLUG #8 INCLUDES THE FOLLOWING PARTS
		7755908002	1	O-RING
153		7814100077	1	GUARD, HOSE
154		7447060413	2	REDUCER
156		7555208900	1	HOSE ASSY, 3/8" I.D. X 89"
157		7550103921	1	HOSE ASSY, 1/4" ID STR X 39"
158		7555604860	1	HOSE ASSY, 1" STR ORFS X 48"
159		7926100948	1	VALVE ASSY, CHECK INCLUDES THE FOLLOWING PARTS
		9926113293	1	VALVE, CHECK CART.
160		7910101629	1	TUBE ASSY, COOLER IN TO CHECK
161		7447201603	1	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755025002	1	O-RING
		7755916002	1	O-RING
162		7872100170	1	SWITCH, 120 TEMPERATURE (N.C.) INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
163		7447202001	2	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755025002	1	O-RING

Manitowoc Cranes

Description				Assembly No.
HYDRAULIC LINES INSTALLATION MAIN AND AUXILIARY HOIST (SUPERSTRUCTURE)				80015462
				Revision: #
Item	FN	Part	Qty	Description
		7755920002	1	O-RING
164		7910101614	1	TUBE ASSY, OIL COOLER OUTLET
165		7910101613	1	TUBE ASSY, OIL COOLER INLET
166		7910101616	1	TUBE ASSY, COOLER OUTLET TO 4
167		7755025002	3	O-RING
168		7115174450	4	CAP SCREW,
169		7950170141	4	WASHER, 7/16" I.D.
170		7910101636	1	TUBE ASSY,LS MAIN TO LS CHARGE
171		7555206001	1	HOSE ASSY, 3/8" I.D. X 60" LONG
172		7447060605	1	TEE, RUN INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
174		7447101034	2	TEE INCLUDES THE FOLLOWING PARTS
		7755016002	1	O-RING
175		7447100413	2	REDUCER
176		7013100059	1	ADAPTER, 0.062 DIA ORIFICE
177		7555101801	1	HOSE ASSY, USE AS REQUIRED 1/4" I.D. X 18"
178		7555207203	1	3/8" X 72"
179		7555207201	1	HOSE ASSY, 3/8" I.D. X 72"
180		7910101638	1	TUBE ASSY, LS MAIN TO PORT 2
181		7910101641	1	TUBE ASSY, 1B MAN TO P STEER
182		7910101642	1	TUBE ASSY, 1A MAN TO LS STEER
183		7447060401	2	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
184		7555206800	1	HOSE ASSY, 3/8" I.D. X 68" LONG
185		7447060401	1	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
186		7447060603	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING

Manitowoc Cranes



Manitowoc Cranes

Description

HOIST INSTALLATION - MAIN AND AUXILIARY

Assembly No.

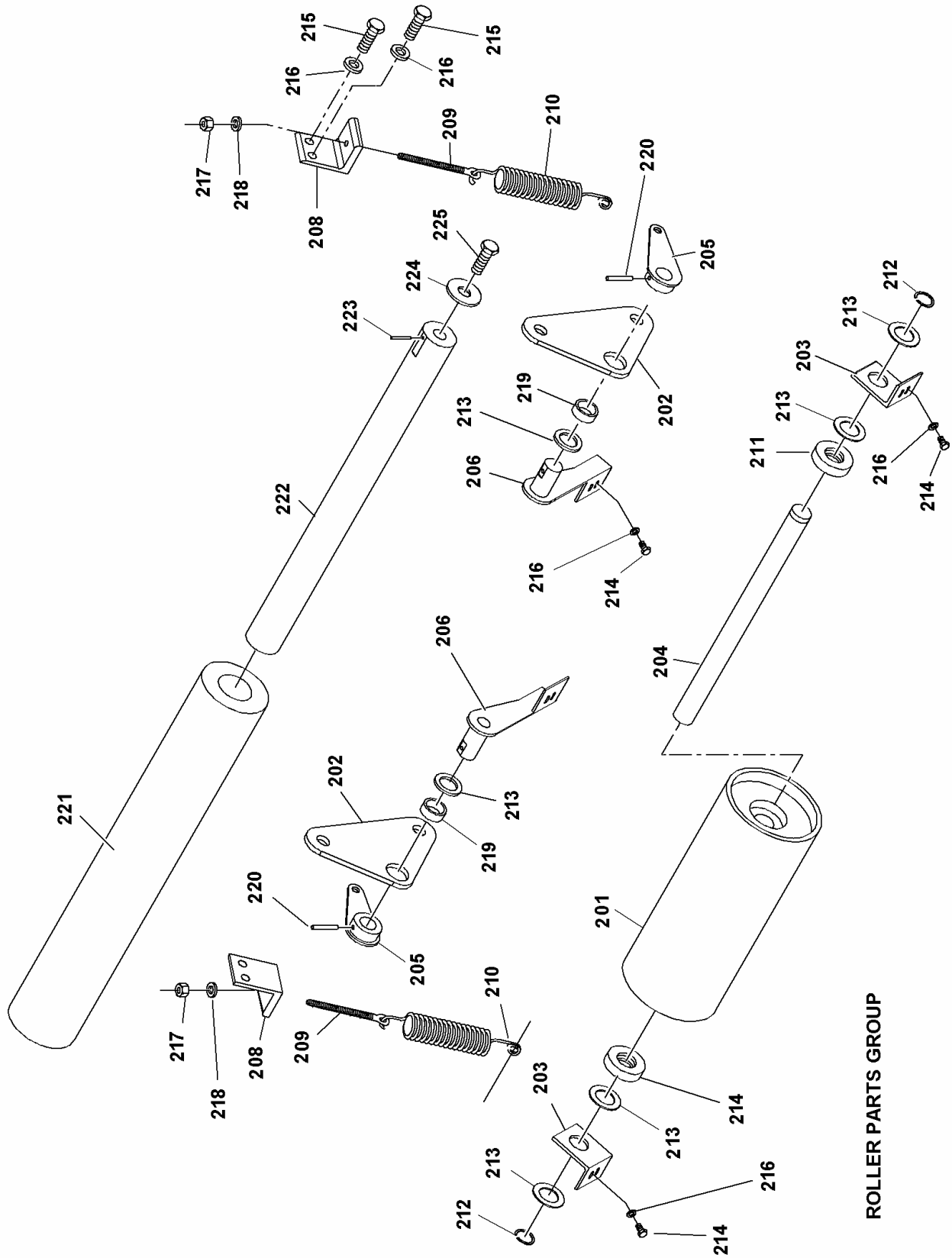
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Revision: **B**

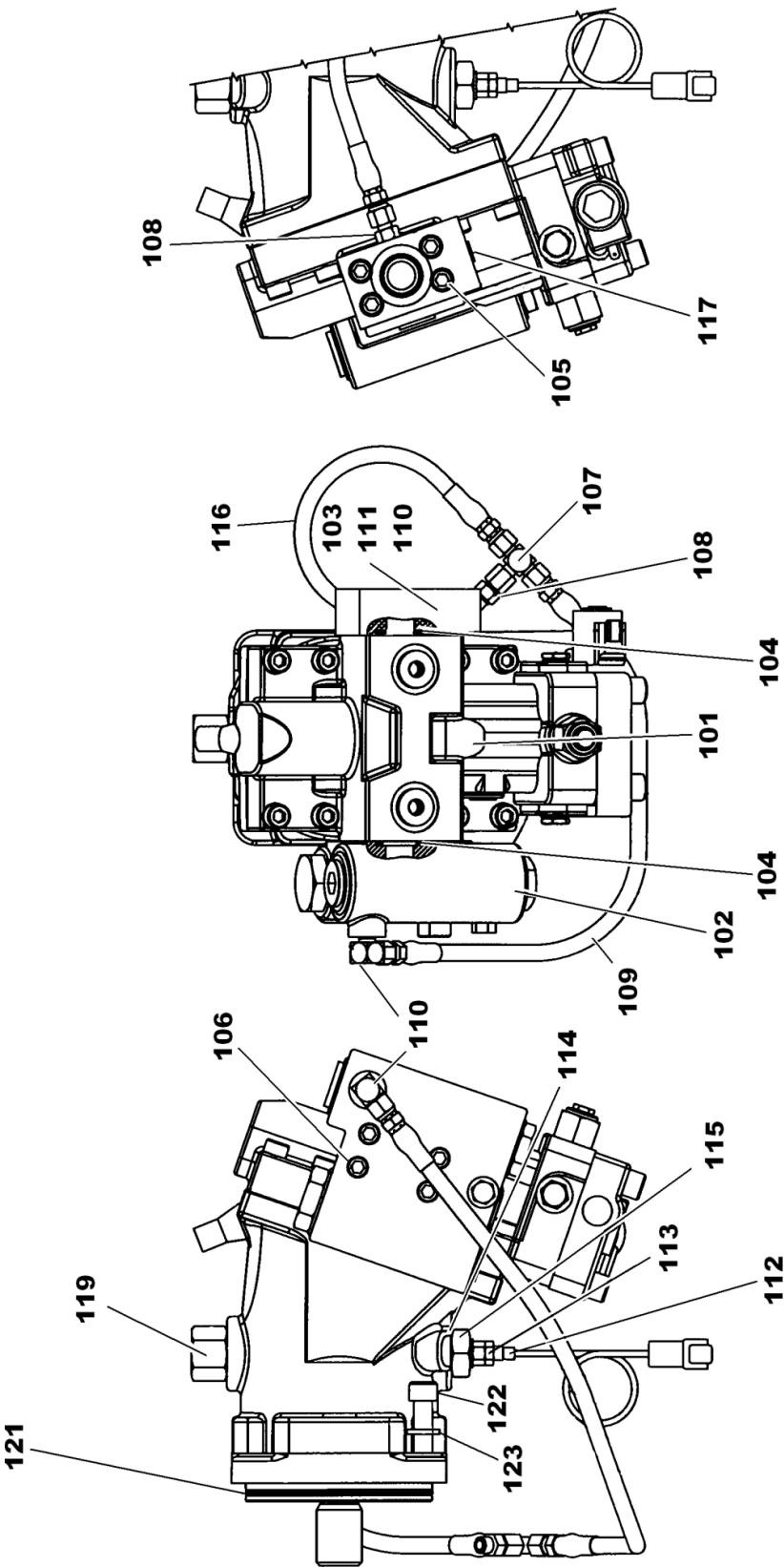
Item	FN	Part	Qty	Description
1	+	7974100043	2	HOIST ASSEMBLY - HP15C/17G (COMPLETE ASSEMBLY)
2		7949000236	16	FLAT WASHER, 3/4"
3		7115222450	8	CAP SCREW, 3/4" - 10 N.C. X 3" GRADE 5
4		7660220001	8	NUT, HEX 3/4" - 10 N.C.
5		6705004266	2	SHIM (.1250")
6		6705004267	2	SHIM (.0598")
7		6705004268	2	SHIM (.0359")
8		7705100003	4	WASHER, PLATE

+ SEE FURTHER BREAKDOWN THIS GROUP

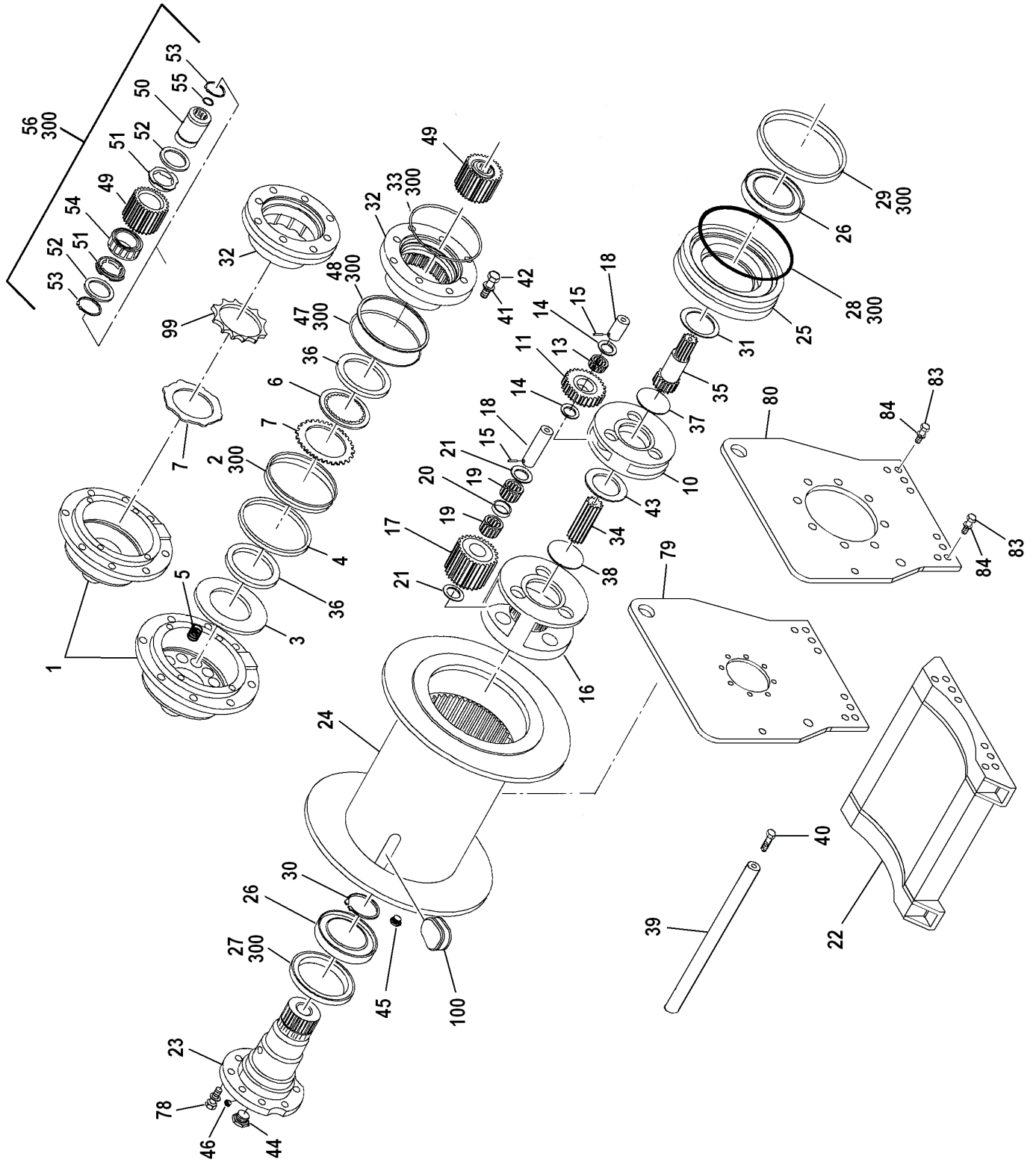
Manitowoc Cranes



ROLLER PARTS GROUP



Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
HOIST ASSEMBLY - HP15C/17G (COMPLETE ASSEMBLY)				7974100043
				Revision:
Item	FN	Part	Qty	Description
1		90011568	1	BRAKE CYLINDER ASSY.
1		9974102861	1	HOUSING, CYLINDER BRAKE
2	*	9974102176	1	SEAL, PISTON
3		9974102177	1	PLATE, PRESSURE
4		9974102178	1	RING, BACK-UP
5		9974102179	12	SPRING
6		9974100594	7	DISC, FRICTION
7		9974102704	8	DISK, BRAKE
10		9974102666	1	PLANET CARRIER - PRIMARY
11		9974102667	3	GEAR - PLANET
12		9974102180	3	SHAFT
13		9974101182	3	ROLLER BEARING
14		9974102181	6	WASHER, THRUST
15		9974101183	3	PIN
15		9576100517	3	PIN
16		9974102668	1	CARRIER, PLANET
17		9974102671	3	GEAR, PLANET
18		9974102182	3	SHAFT
19		9974102183	6	BEARING
20		9974102672	3	SPACER
21		9974102185	6	WASHER, THRUST
22		9974102942	1	BASE
23		9974102846	1	SUPPORT, BEARING
24		9974102941	1	DRUM
25		9974102676	1	CLOSURE, CABLE DRUM
26		9974101211	2	BEARING, BALL
27	*	9974101216	1	SEAL,OIL
28	*	9974102868	1	O-RING
29	*	9974102190	1	SEAL,OIL
30		9974102191	1	RING, RETAINING
31		9974102849	1	WASHER, THRUST
32		9974102731	1	MOUNT, MOTOR BASE
33	*	9974101198	1	ORING
34		9974102194	1	GEAR, SUN

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description

HOIST ASSEMBLY - HP15C/17G (COMPLETE ASSEMBLY)

Assembly No.

7974100043

Revision:

Item	FN	Part	Qty	Description
35		9974102677	1	PRIMARY SUN GEAR
36		9974102195	2	SPACER
37		9974102196	1	PLATE, THRUST
38		9974102197	1	PLATE, THRUST
39		9974102822	1	BAR, SPACER
40		9974102854	14	CAPSCREW
41		9974100476	18	WASHER, LOCK 1/2" I.D.
42		9974102198	4	CAP SCREW,
43		9974102747	1	WASHER, THRUST
44		9974102855	1	GAUGE, SIGHT
45		9974102201	1	PLUG, FLUSH
				INCLUDES THE FOLLOWING PARTS
		7755908002	1	O-RING
46		9974102858	1	PLUG, VENT
47	*	9974102922	1	O-RING
48	*	9974102226	1	RING, BACK-UP
49		NSS	1	
				RACE, OUTER BRAKE
50		NSS	1	
				RACE, INNER BRAKE
51		9974102665	2	BEARING, SPRAG
52		9974102218	2	BEARING, THRUST
53		9974102219	2	RING, RETAINING
54		NSS	1	
				SPRAG, CLUTCH
55		9974102221	1	RING, RETAINING
56		9974102214	1	CLUTCH SPRAG ASSY. BRAKE
				INCLUDES ITEMS 49 THRU 55
78		9974102859	8	CAPSCREW
79		9974102943	1	SIDEPLATE, MOTOR
80		9974102944	1	SIDEPLATE,SUPPORT
83		9974102820	16	CAP SCREW,
84		9974102821	16	WASHER,
99		9974102705	1	SPACER
100		9974103088	1	WEDGE, CABLE 5/8"
101		90000100	1	MOTOR ASSY. HYD.

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description				Assembly No.
HOIST ASSEMBLY - HP15C/17G (COMPLETE ASSEMBLY)				7974100043
				Revision:
Item	FN	Part	Qty	Description
102	*	90001131	1	INCLUDES THE FOLLOWING PARTS
		90019871	1	CART. VALVE ASSY. CONTROL 12V.
		90001067	1	COIL ASSY. 12V
		9974102885	1	KIT, SEAL
			1	VALVE, BRAKE
		9974101280	1	INCLUDES THE FOLLOWING PARTS
			1	KIT, SEAL
103		9974103090	1	MANIFOLD
104		9974102898	2	O-RING
105		9974102684	4	CAP SCREW
106		981134	4	CAPSCREW
107		9974102211	1	TEE, SWIVEL
108		9974102210	2	ADAPTER
109		981786	1	HOSE ASSEMBLY
110		9974102212	1	ELBOW
112		9974103091	1	SENSOR
113		9974103094	1	NUT, JAM
114		9974103092	1	WASHER, SEAL
115		9974103093	1	FITTING
116		9974102208	1	HOSE ASSY, USE AS REQUIRED
117		9974102931	1	PLUG
				INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
118		9974102227	1	O-RING
119		90000104	1	ADAPTER
121		90000105	1	O-RING
122		90000125	4	CAPSCREW
123		9974100476	4	WASHER, LOCK 1/2" I.D.
200		1905280	1	CABLE ROLLER ASSY. GROUP
				INCLUDES ITEMS 201 THRU 220
				, 200 ITEM NOT SHOWN
201		9974103083	1	ROLLER
202		9974102825	2	PLATE
203		9974103084	2	BRACKET, ROLLER
204		9974103085	1	SHAFT, ROLLER
205		9974102828	2	LEVER
206		9974102829	1	LEVER, ROLLER R.H.

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description

HOIST ASSEMBLY - HP15C/17G (COMPLETE ASSEMBLY)

Assembly No.

7974100043

Revision:

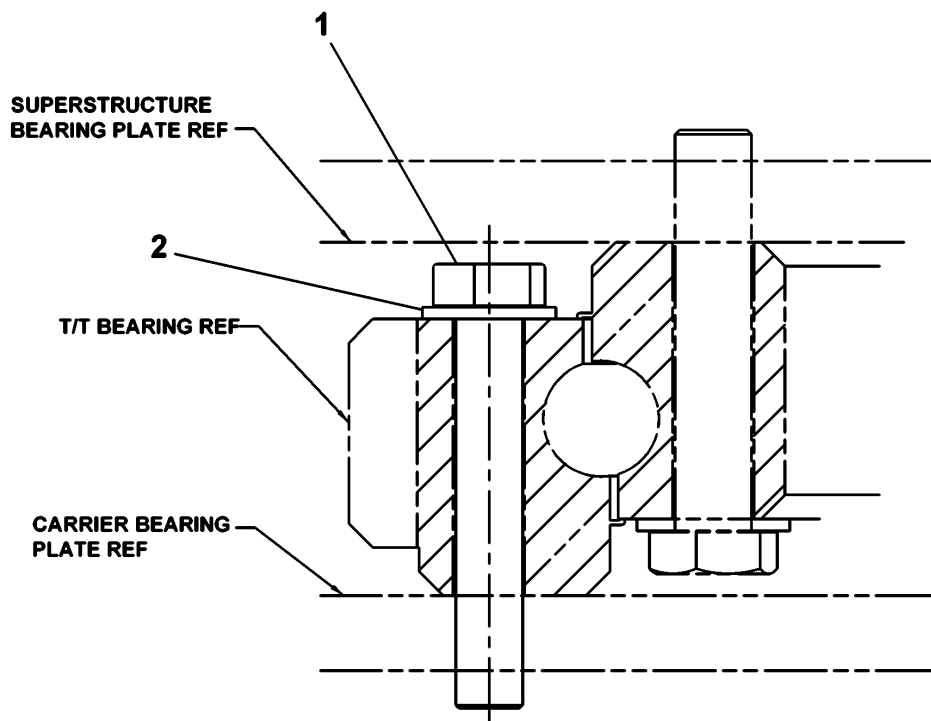
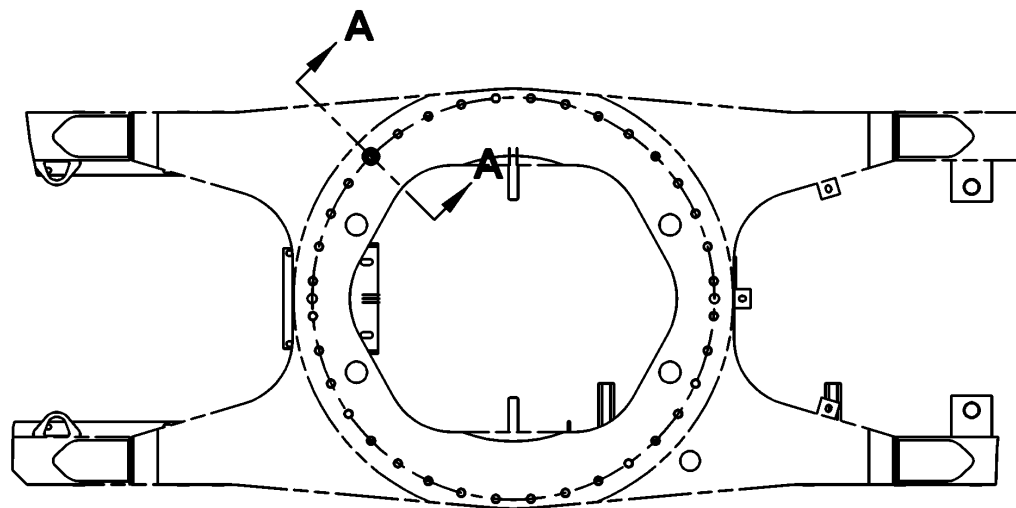
Item	FN	Part	Qty	Description
207		9974102830	1	LEVER,ROLLER L.H.
208		9974102831	2	BRACKET
209		9974102810	2	ROD
210		9974102832	2	SPRING
211		9974103086	2	BEARING
212		9974103087	2	RING, RETAINER
213		9974102181	8	WASHER, THRUST
214		9974102835	4	CAP SCREW,
215		9974103043	4	CAPSCREW
216		7950160020	8	WASHER, LOCK 3/8" I.D.
217		9974102995	2	NUT
218		9974102839	2	WASHER
219		9974102808	2	BUSHING
220		9974102814	2	ROLLPIN
221		9974102840	1	ROLLER
222		9974102841	1	SHAFT
223		9974102966	1	PIN
224		9974102843	1	WASHER
225		9974103015	2	CAPSCREW
300	*	9974102222	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Notes

Manitowoc Cranes



SECTION A-A

Manitowoc Cranes

Description

BOLT INSTALLATION - BEARING

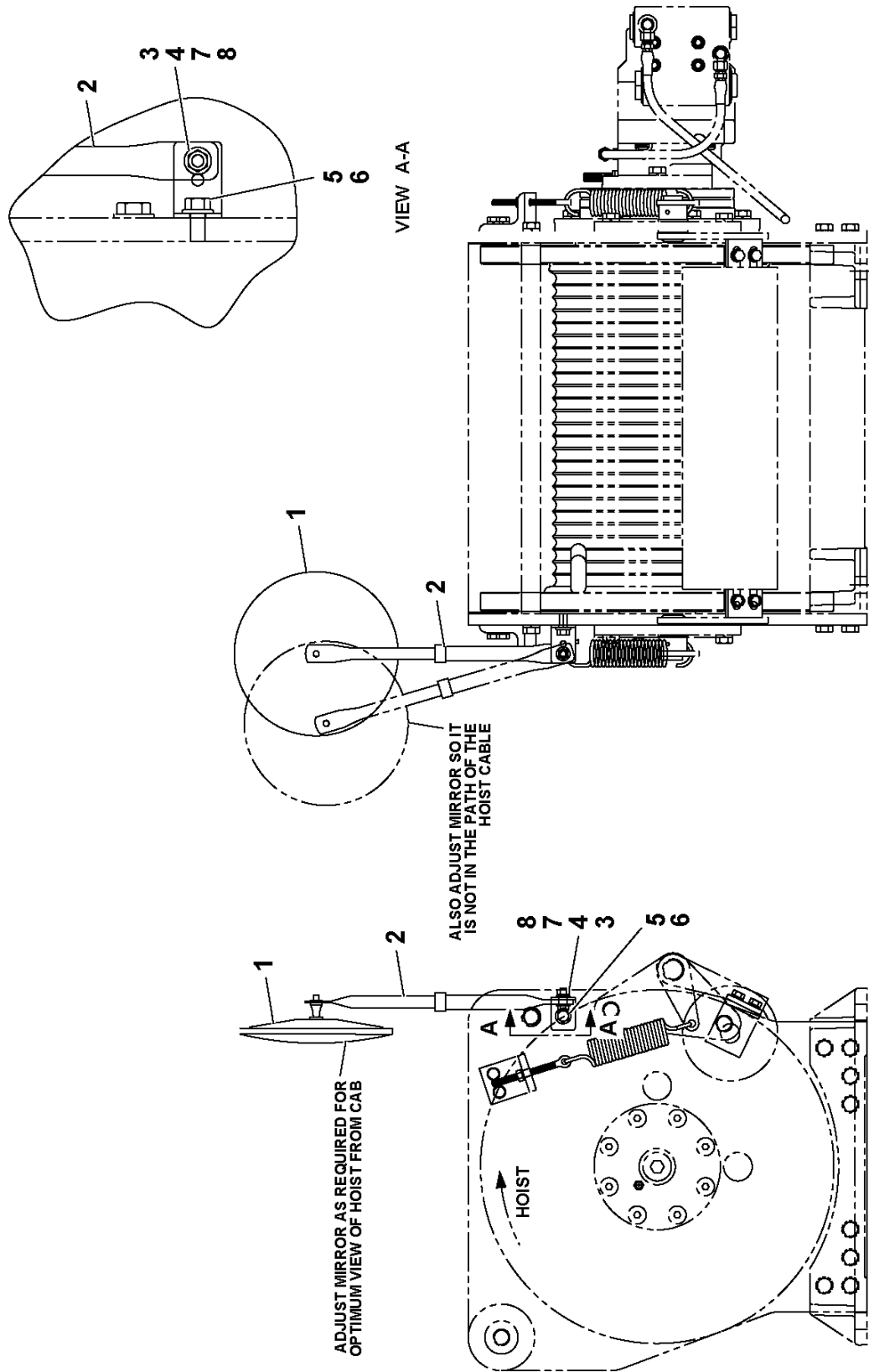
Assembly No.

2159210143

Revision: **A**

Item	FN	Part	Qty	Description
1		7118244250	36	CAP SCREW, 7/8" - 9 N.C. X 5 1/4" GRADE 8
2		7949000237	36	WASHER, 7/8" I.D.

Manitowoc Cranes



Manitowoc Cranes

Description

MIRROR INSTALLATION - HOIST

Assembly No.

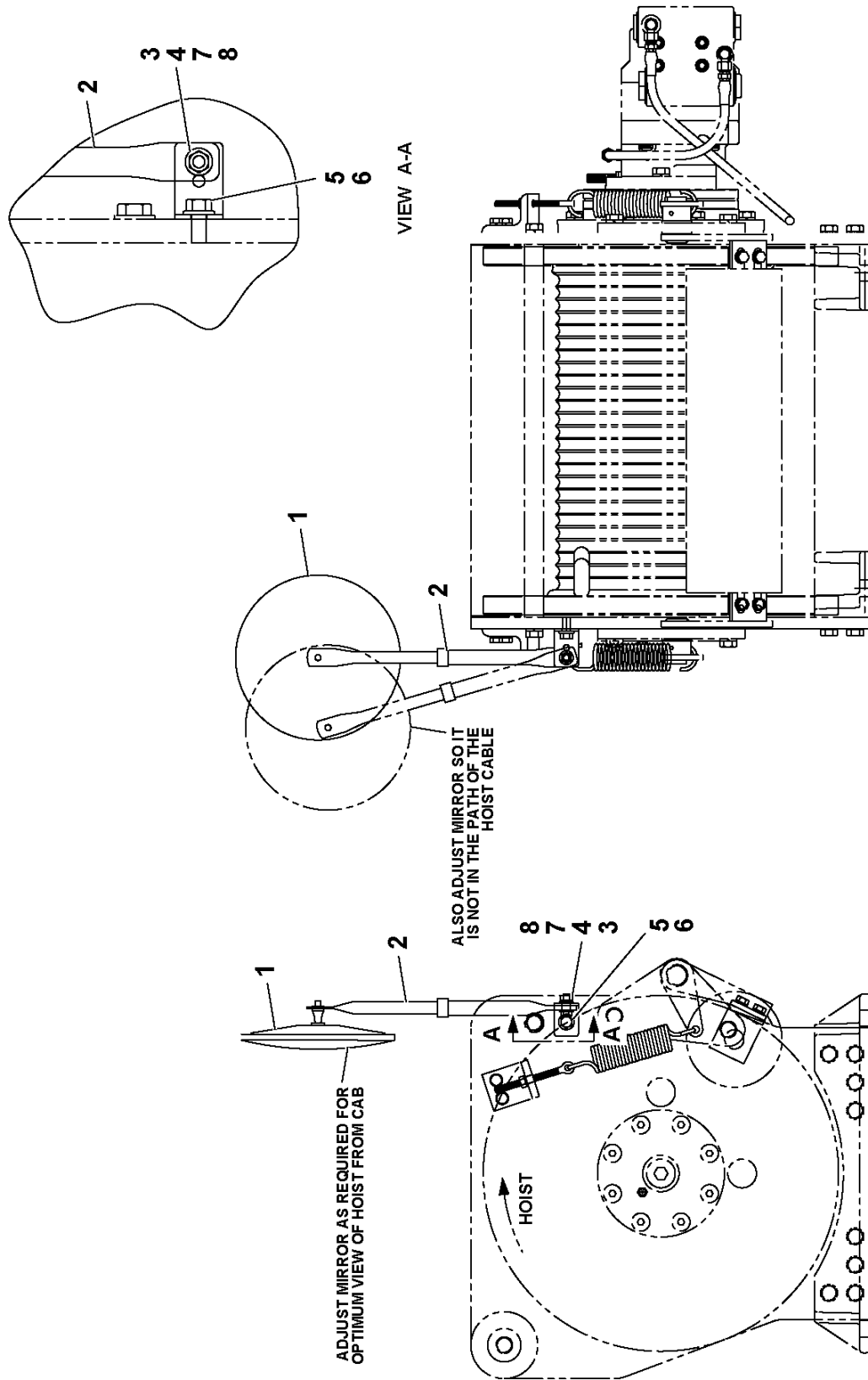
2159210000

Revision: **D**

Item	FN	Part	Qty	Description
1	#	7628000025	1	MIRROR, 8" CONVEX INCLUDES MOUNTING HARDWARE
2		7184001014	1	BRACKET, MIRROR ARM INCLUDES MOUNTING HARDWARE
3		7115150850	1	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 5
4		7950150051	1	WASHER, LOCK 5/16" I.D.
5		7115160650	1	CAP SCREW, 3/8" - 16 N.C. X 3/4" GRADE 5
6		7950160141	1	WASHER, 3/8" PLAIN NARROW
7		7950150141	2	WASHER, FLAT 5/16"
8		7660150001	1	NUT, HEX 5/16" - 18 N.C. GRADE 5

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

MIRROR INSTALLATION - HOIST

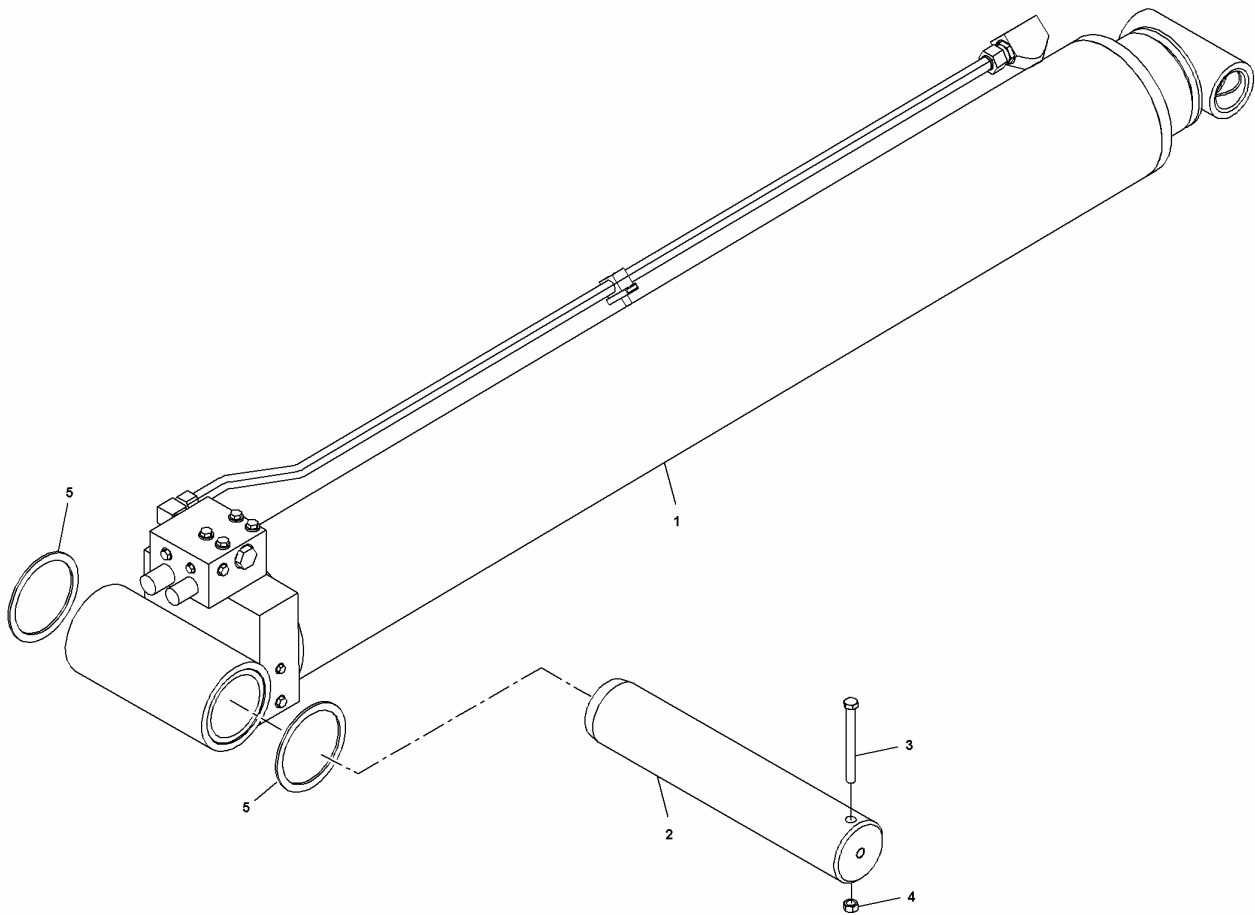
Assembly No.

2159210000

Revision: **D**

Item	FN	Part	Qty	Description
1	#	7628000025	1	MIRROR, 8" CONVEX INCLUDES MOUNTING HARDWARE
2		7184001014	1	BRACKET, MIRROR ARM INCLUDES MOUNTING HARDWARE
3		7115150850	1	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 5
4		7950150051	1	WASHER, LOCK 5/16" I.D.
5		7115160650	1	CAP SCREW, 3/8" - 16 N.C. X 3/4" GRADE 5
6		7950160141	1	WASHER, 3/8" PLAIN NARROW
7		7950150141	2	WASHER, FLAT 5/16"
8		7660150001	1	NUT, HEX 5/16" - 18 N.C. GRADE 5

SERVICED AS AN ASSEMBLY ONLY



Manitowoc Cranes

Description

CYLINDER INSTALLATION-LOWER PIVOT & LIFT

Assembly No.

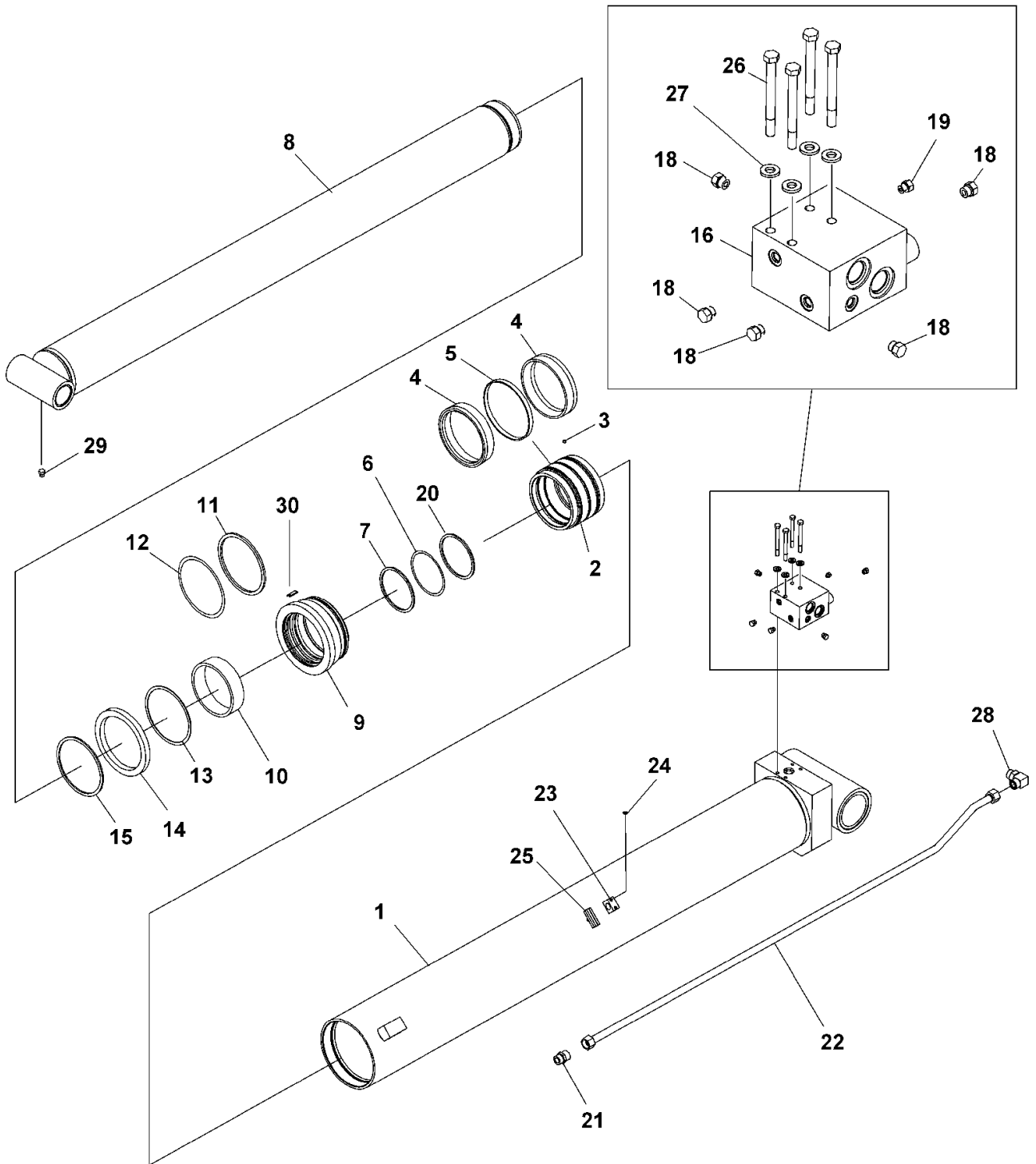
2159210116

Revision: **B**

Item	FN	Part	Qty	Description
1	+	6372100377	1	CYLINDER ASSEMBLY - LIFT (COMPLETE ASSEMBLY)
2		7810100133	1	SHAFT, LOWER PIVOT
3		7126243350	1	HHCS M16x170 -8.8 ISO 4017
4		7661240003	1	NUT, HEX 16MM N.C.
5		7949000383	4	WASHER, THRUST

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



SEE BOM FOR ITEM NBR 300 SEAL KIT

Manitowoc Cranes

Description

CYLINDER ASSEMBLY - LIFT (COMPLETE ASSEMBLY)

Assembly No.

6372100377

Revision: **E**

Item	FN	Part	Qty	Description
1		6372100378	1	BARREL, CYLINDER INCLUDES THE FOLLOWING PARTS
		7199100022	2	BUSHING, LINER
2		7701100418	1	PISTON, CYLINDER
3		7099000378	1	SCREW, 3/8" - 16NC X 3/8" SET
4	*	7794000566	2	SEAL
5	*	7753000746	1	RING
6	*	7753100067	1	SEAL-ROD LOCKING T SEAL
8		6768100271	1	ROD, CYLINDER INCLUDES THE FOLLOWING PARTS
		7199100024	2	BUSHING, LINER
9		7372100269	1	HEAD, CYLINDER
10	*	7753000282	1	RING, WEAR
11	*	7754000151	1	O-RING, LOW TEMPERATURE
12	*	7755448609	1	RING, BACK-UP
13	*	7794000565	1	SEAL, BUFFER
14	*	7794000709	1	SEAL, DEEP Z ROD
15	*	7753000484	1	RING, WIPER
16	+	7926100925	1	VALVE ASSEMBLY - HOLDING (COMPLETE ASSEMBLY)
18		7709000031	8	O-RING PLUG #6 INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
19		7709000028	2	PLUG, SAE #4 INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
20	*	7755445609	1	RING, BACK-UP
21		7447161601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755916002	1	O-RING
22		7910101451	1	TUBE ASSY, LIFT CYLINDER
23		7300000269	1	CLAMP, PIPE
24		01147202	2	CAP SCREW, SOCKET HEAD M6X35
25		01571750	2	NUT, CHANNEL
26		7115184050	4	CAP SCREW, 1/2" - 13 N.C. X 5" GRADE 5

* REPAIR KIT AND/OR PART OF KIT

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

CYLINDER ASSEMBLY - LIFT (COMPLETE ASSEMBLY)

Assembly No.

6372100377

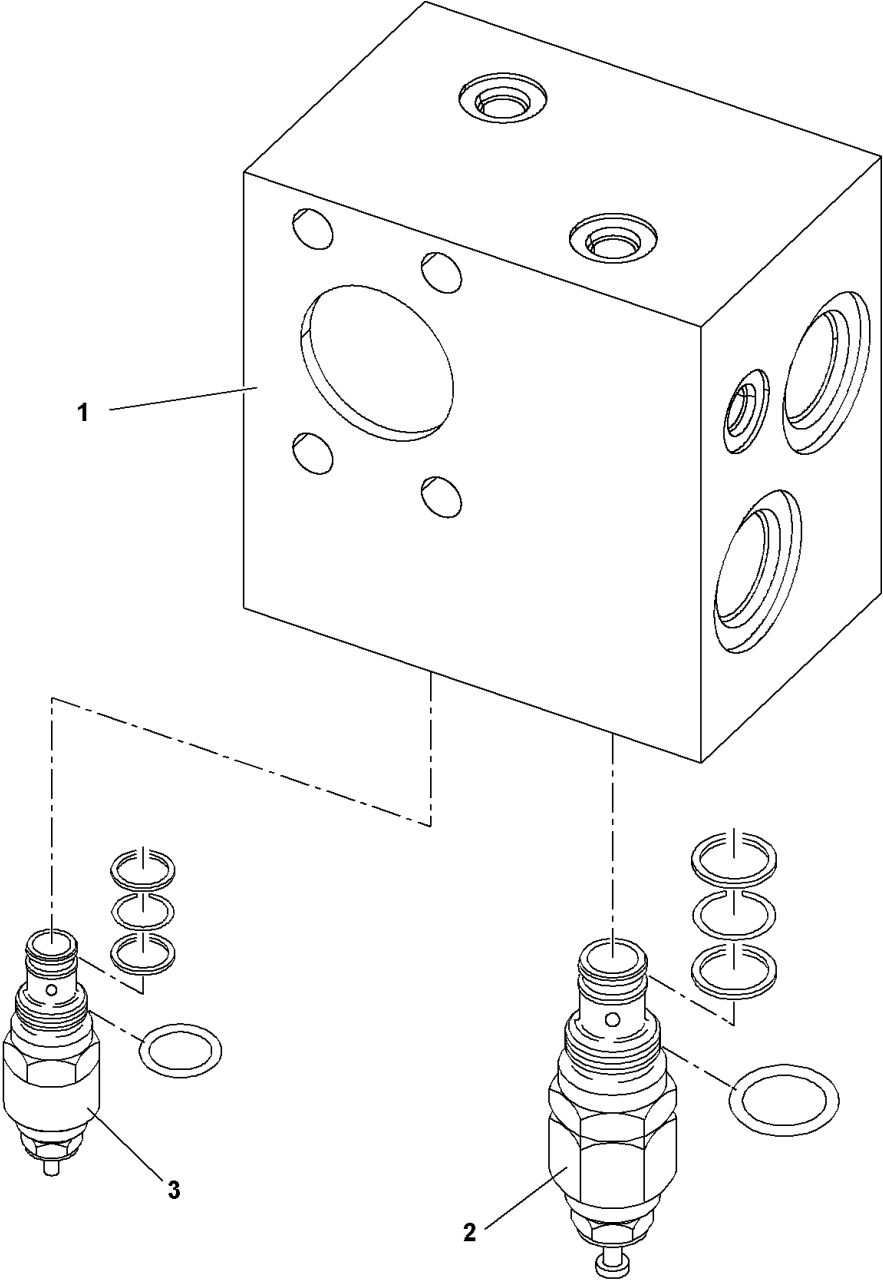
Revision: **E**

Item	FN	Part	Qty	Description
27		7949000235	4	WASHER, 1/2" I.D. FLAT
28		7447161603	1	ELBOW, 90 DEGREE MALE
				INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755916002	1	O-RING
29		7440000000	2	FITTING, 1/8 STRAIGHT GREASE
30		6705171137	1	PLATE, RETAINING
300	*	7373100116	1	SEAL KIT - LIFT CYLINDER

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

VALVE ASSEMBLY - HOLDING (COMPLETE ASSEMBLY)

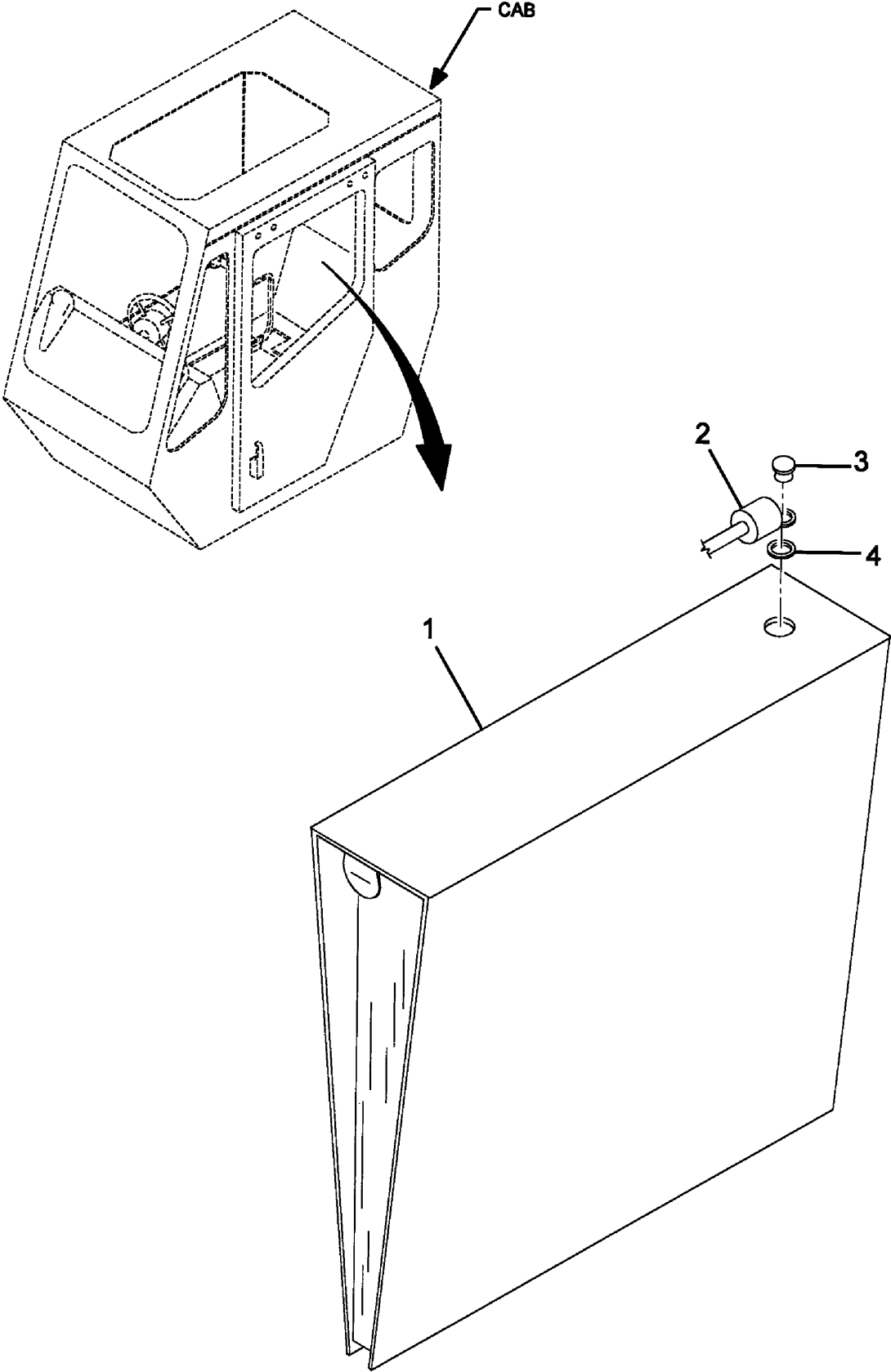
Assembly No.

7926100925

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	BODY, MANIFOLD
2		9926113144	1	VALVE, CART. COUNTER BALANCE
				INCLUDES THE FOLLOWING PARTS
		9926113146	1	KIT, SEAL
3		9926113145	1	VALVE, CART.SEQUENCE @4400 PSI
				INCLUDES THE FOLLOWING PARTS
		9926113147	1	KIT, SEAL

Manitowoc Cranes



Manitowoc Cranes

Description

BINDER INSTALLATION

Assembly No.

6258100005

Revision: **A**

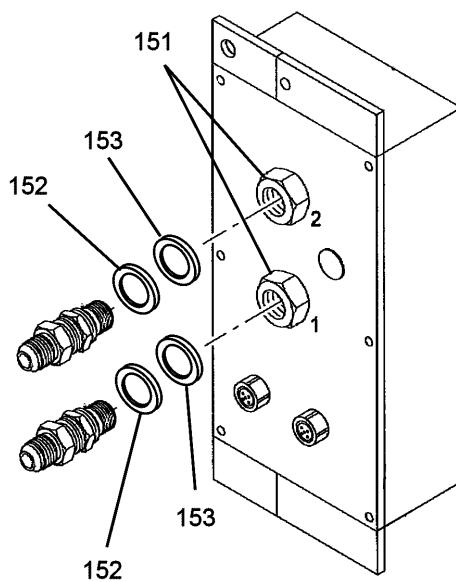
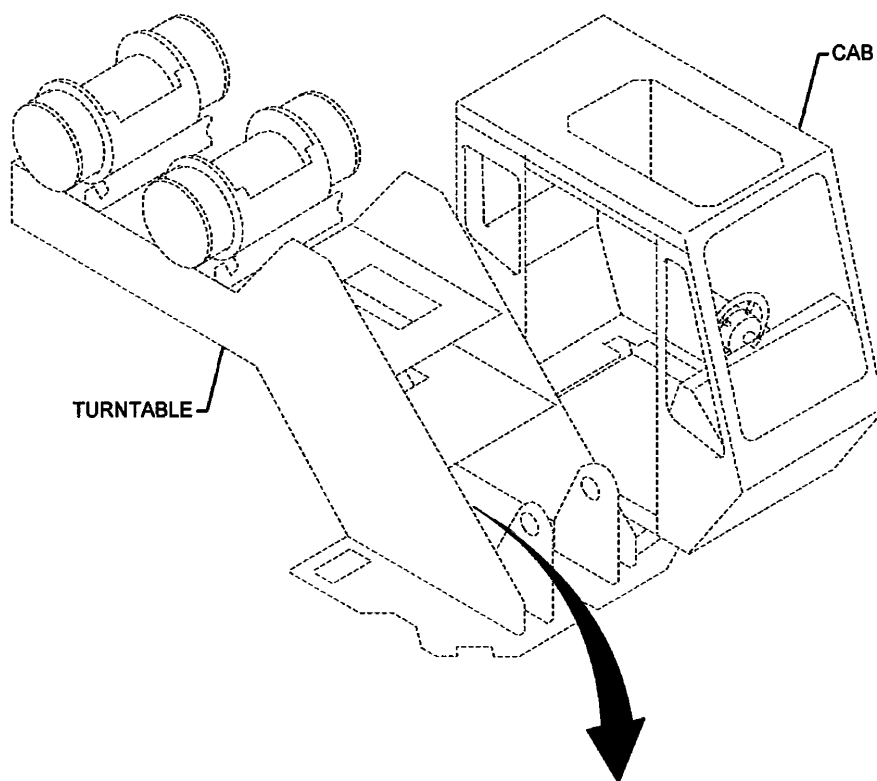
Item	FN	Part	Qty	Description
1		7258100138	1	BINDER
2		6246001174	1	LANYARD
				INCLUDES THE FOLLOWING PARTS
		7345211901	1	TERMINAL
				12 - 10 AWG
		7345221901	1	TERMINAL
				12 - 10 AWG
		7892000196	2	PARALLEL, NON - INSULATED
				8 AWG
		7364001547	1	SWIVEL
3		7760000008	1	RIVET, POP
4		7950080141	1	FLATWASHER, 5/32" I.D.

[illegible]

Manitowoc Cranes

Description				Assembly No.
HYDRAULIC LINES INSTALLATION - CAB				2159610145
				Revision: C
Item	FN	Part	Qty	Description
1		7926002156	1	VALVE, INLET CHECK
				INCLUDES THE FOLLOWING PARTS
		9926103232	1	O-RING
		9926106646	1	O-RING
2		7447080613	1	REDUCER
3		7447060801	3	ADAPTER, STRAIGHT MALE
				INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755908002	1	O-RING
4		7447060401	1	ADAPTER, STRAIGHT MALE
				INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
5		7555208203	1	HOSE ASSY, 3/8"IDX90" LONG
6		7555206201	1	3/8" I.D. X 62"
7		7555207203	1	3/8" X 72"
8		7555207401	1	HOSE ASSY, 3/8"I.D. X 74" LONG
9		7555207201	1	HOSE ASSY, 3/8" I.D. X 72"
10		7300000251	1	CLAMP, TUBING
				2" I.D.
11		7447060601	4	ADAPTER, STRAIGHT MALE
				INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
15		7555204400	1	3/8" I.D. X 44"
16		7555205301	1	HOSE ASSY, 3/8"I.D. X 53" LONG

Manitowoc Cranes



Manitowoc Cranes

Description

KIT INSTALLATION - iFLEX 5 LMI SUPERSTRUCTURE

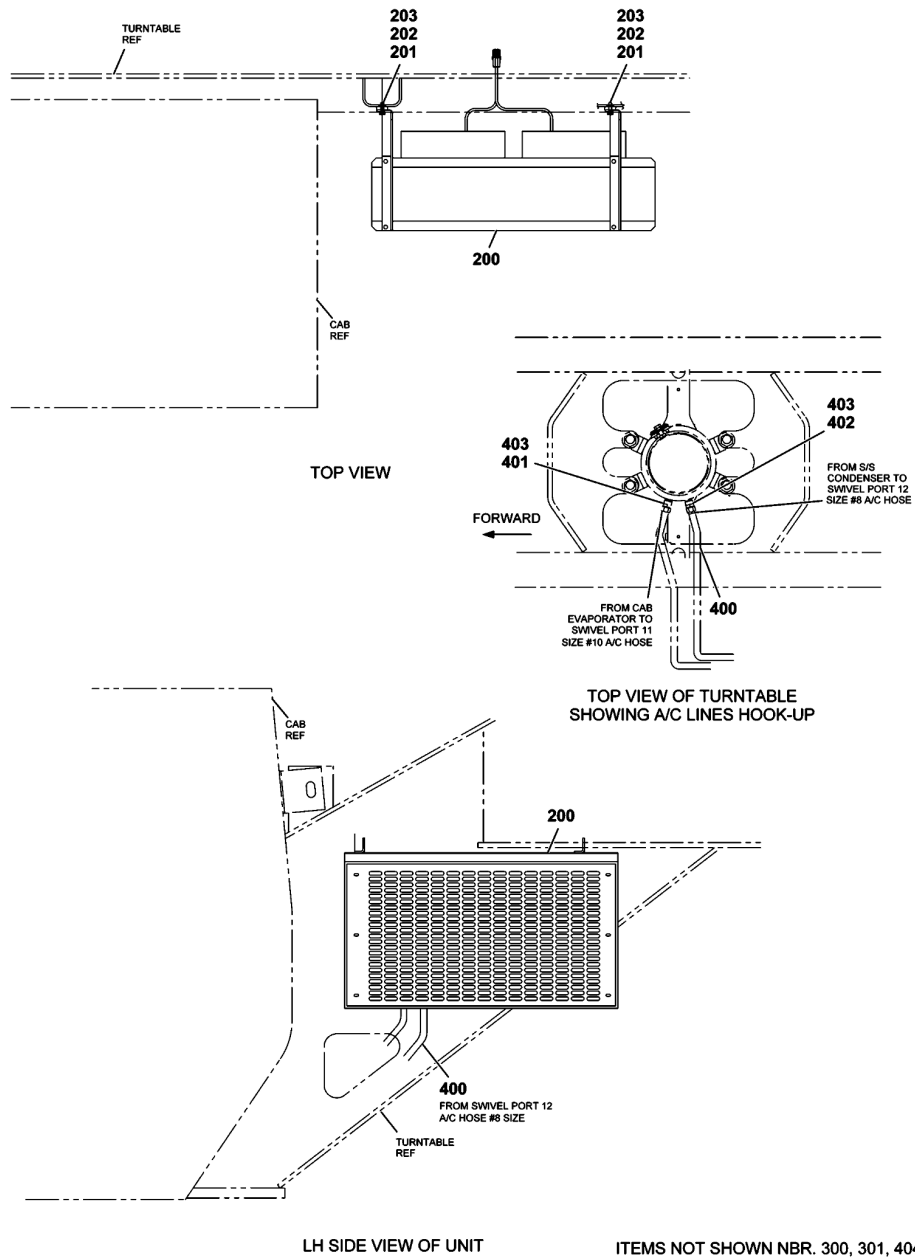
Assembly No.

6978100727

Revision: C

Item	FN	Part	Qty	Description
151		7660190008	2	NUT, HEX 9/16" - 12 N.C.
152		7950190050	2	WASHER, LOCK 9/16" I.D.
153		7950180161	2	FLAT WASHER, 1/2" I.D.

Manitowoc Cranes



Manitowoc Cranes

Description

AIR CONDITIONING INSTALLATION - SUPERSTRUCTURE

Assembly No.

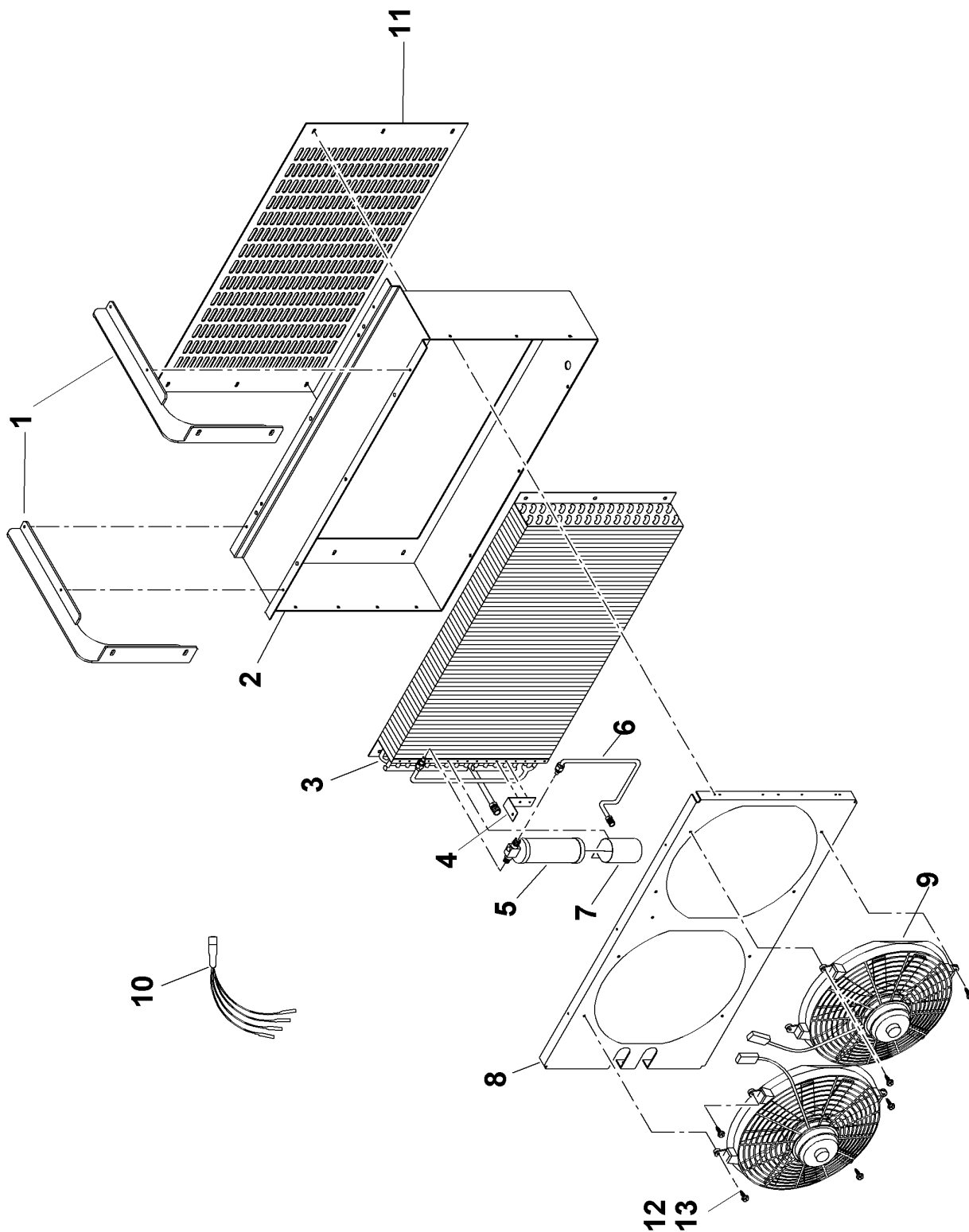
2159310042

Revision: **A**

Item	FN	Part	Qty	Description
200	+	7576134531	1	KIT - AIR CONDITIONER CONDENSER (COMPLETE ASSEMBLY)
201		7126171350	4	CAP SCREW, M8 X 30MM HEX HEAD
202		7950150161	4	WASHER, 5/16" FLAT PLAIN WIDE
203		7951170210	4	WASHER, LOCK 8MM
300		8898920005	2	R134A REFRIGERANT (NOT SHOWN)
301		8898920006	0	REFRIGERANT OIL (NOT SHOWN)
400		7576134447	1	KIT - AIR CONDITIONER CONDENSER HOSE INCLUDES THE FOLLOWING PARTS
		9515102844	2	O-RING #8
401		7013100030	2	ADAPTER, 08 ORB TO 10 BEADLOCK
402		7013100029	2	ADAPTER, 08 ORB TO 08 BEADLOCK
403		7754100010	4	O-RING
404		7850000208	6	CABLE TIE, BLACK

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

KIT - AIR CONDITIONER CONDENSER (COMPLETE ASSEMBLY)

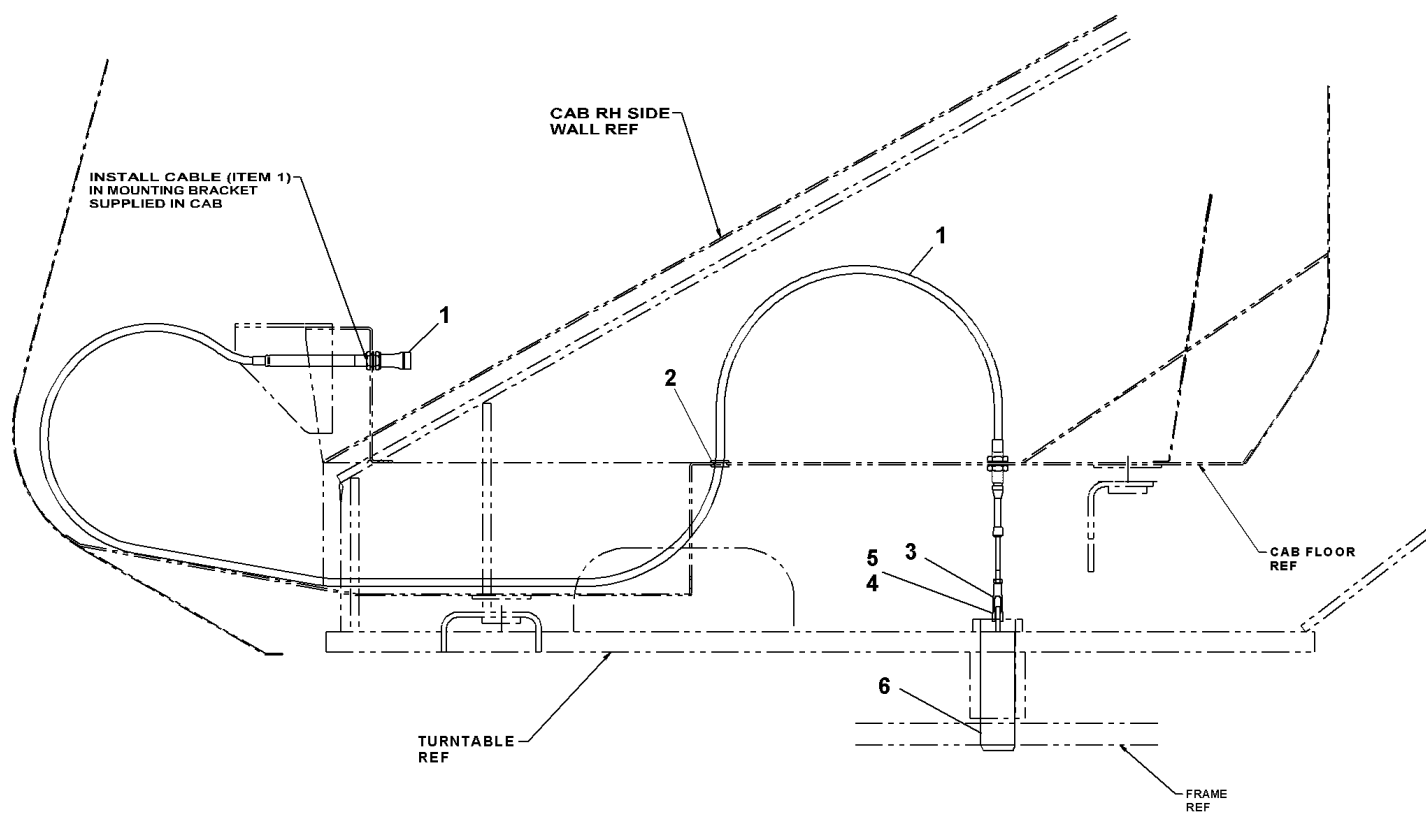
Assembly No.

7576134531

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	BRACKET, MOUNT
2		NSS	1	HOUSING
3		9576101396	1	COIL ASSY. CONDENSER
4		9576101397	1	BRACKET
5		9576101398	1	DRIER ASSY.
6		9576101399	1	TUBE ASSY.
7		NSS	1	BRACKET
8		NSS	1	PLATE, MOUNTING
9		9576101400	2	FAN ASSY. 12V.
10		9576101401	1	HARNESS ASSY.
11		9576101441	1	GRILL
12		7115140650	8	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
13		9515102872	8	TABS,MOUNTING

Manitowoc Cranes



Manitowoc Cranes

Description

PIN INSTALLATION - TURNTABLE LOCK

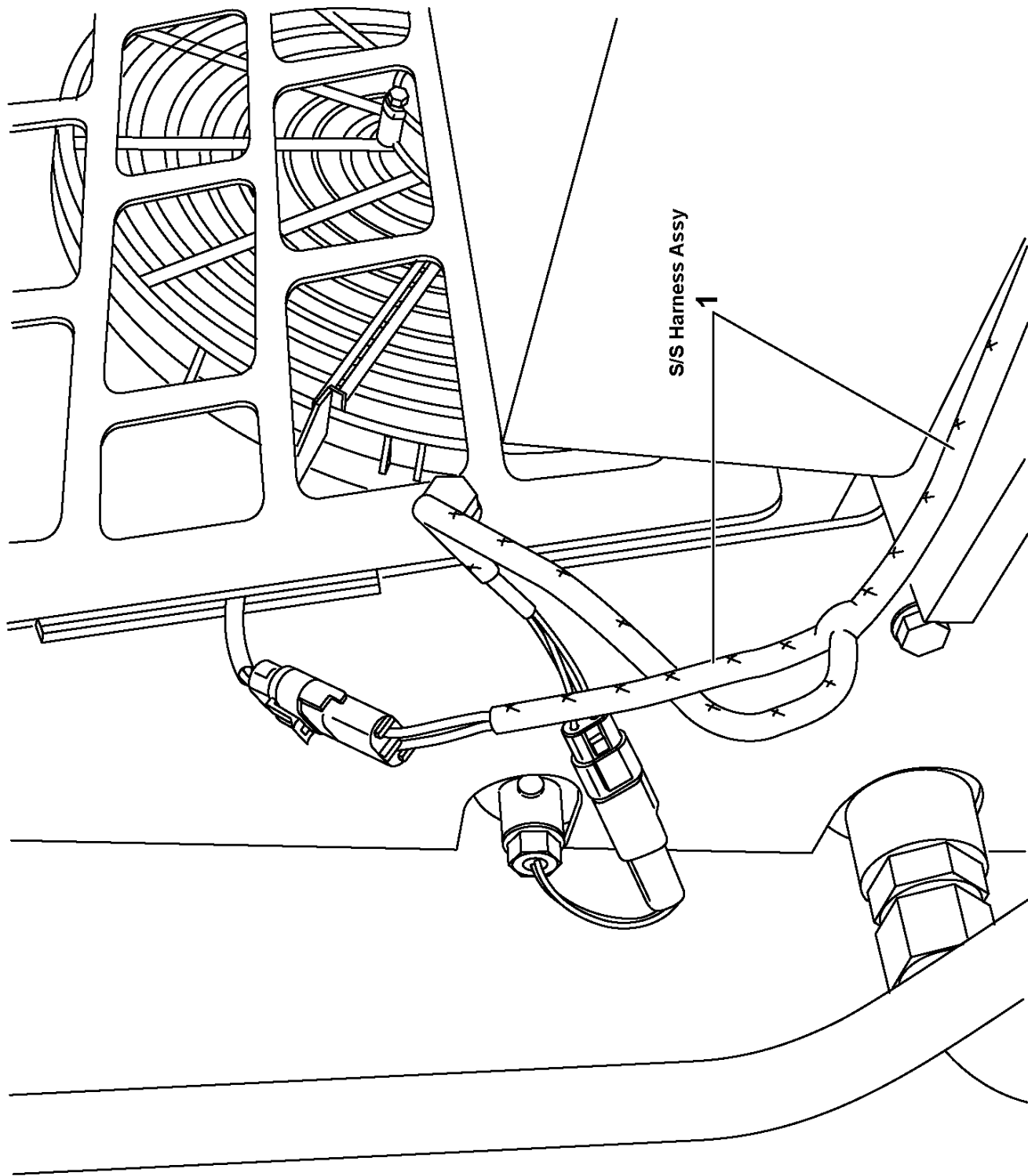
Assembly No.

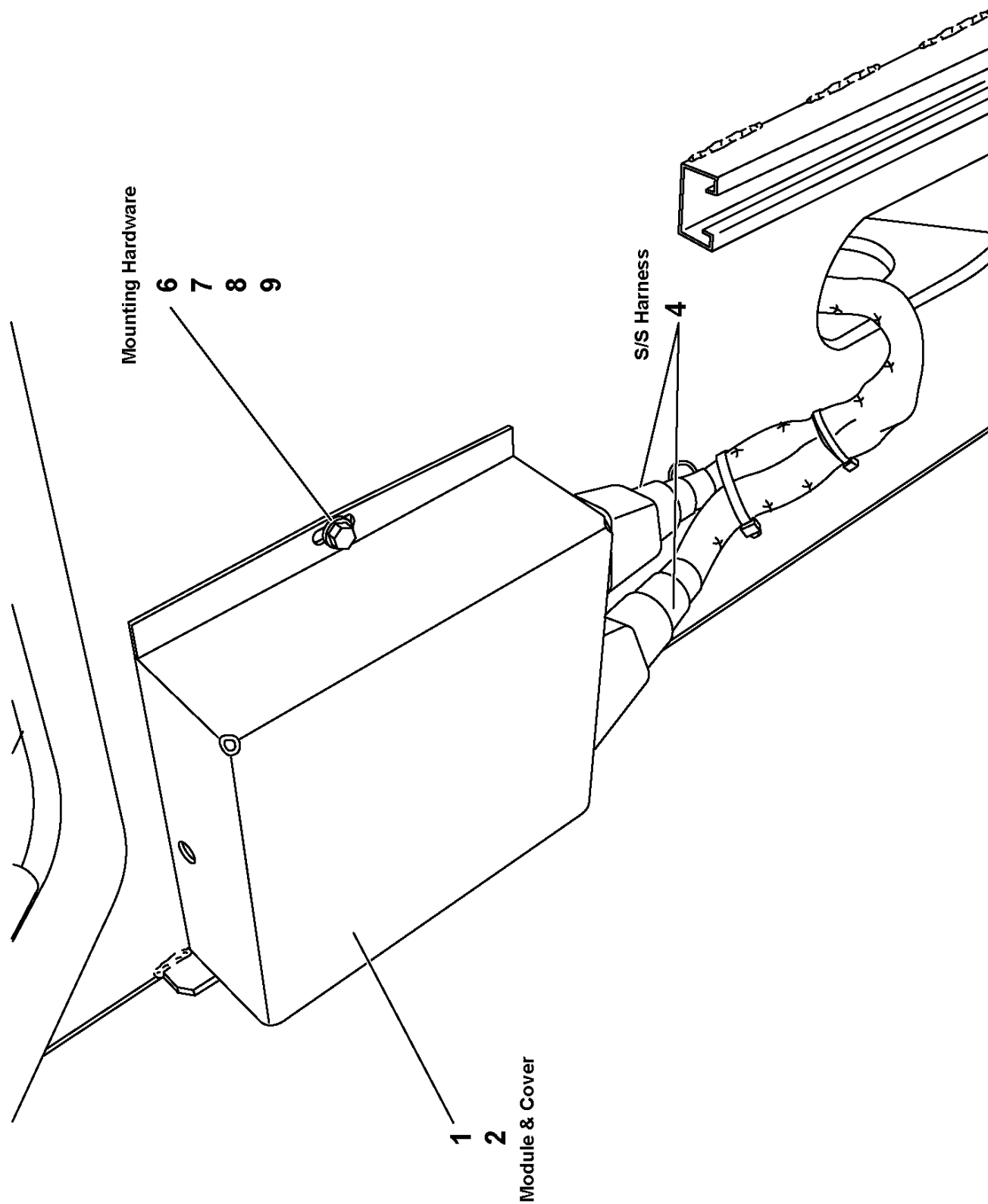
6245101010

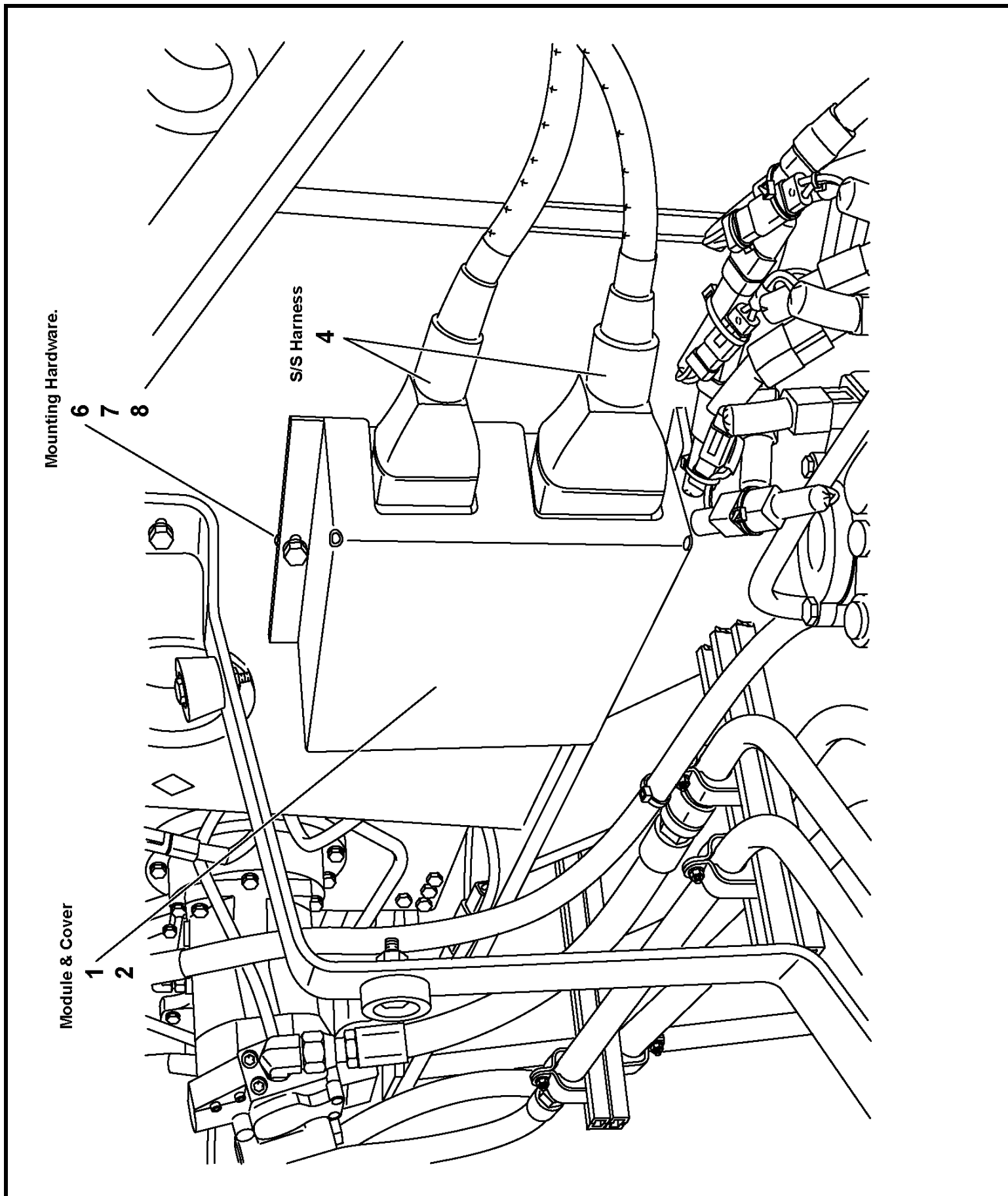
Revision: #

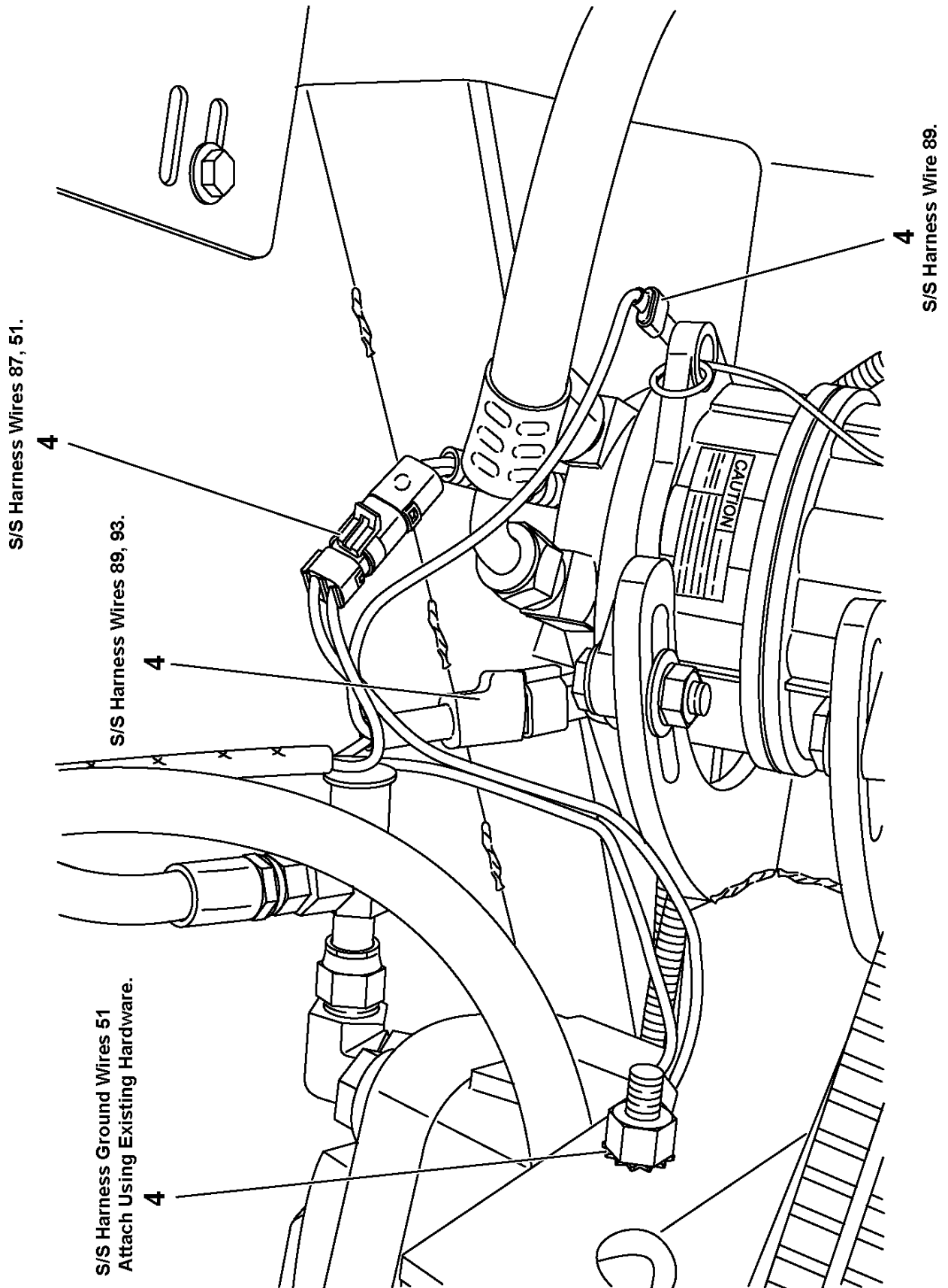
Item	FN	Part	Qty	Description
1		7246100350	1	CONTROL CABLE W/LOCK HANDLE INCLUDES THE FOLLOWING PARTS
		9246100182	1	T-HANDLE
		9246100183	1	SCREW, T-HANDLE
2		7506000021	1	GROMMET 1/2" I.D.
3		7308000042	1	YOKE
4		7690141600	1	PIN, CLEVIS 1/4" X 1"
5		7690001210	1	PIN, COTTER 1/16" X 3/4"
6		2159210126	1	PIN, SWING LOCK

Manitowoc Cranes

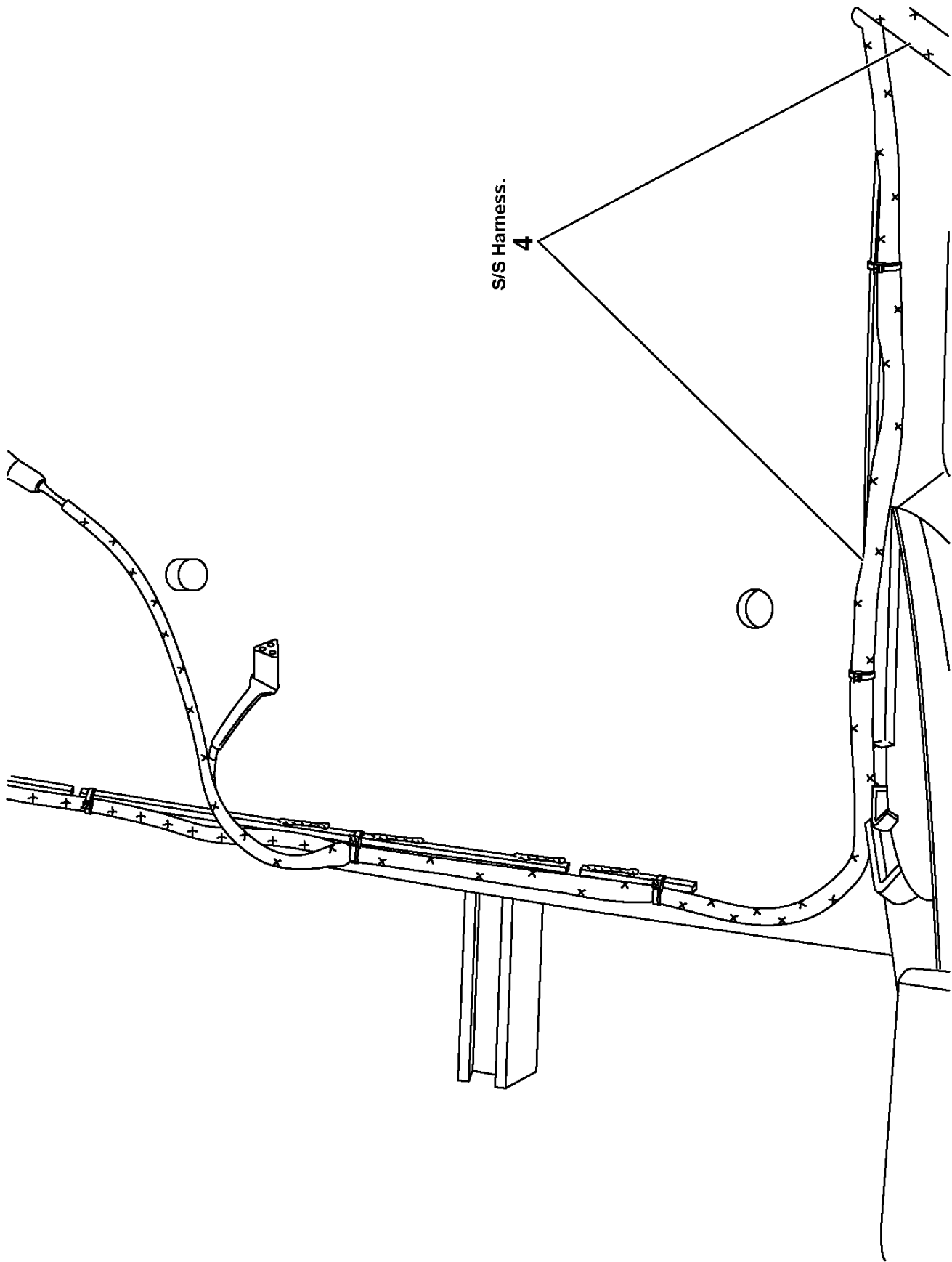






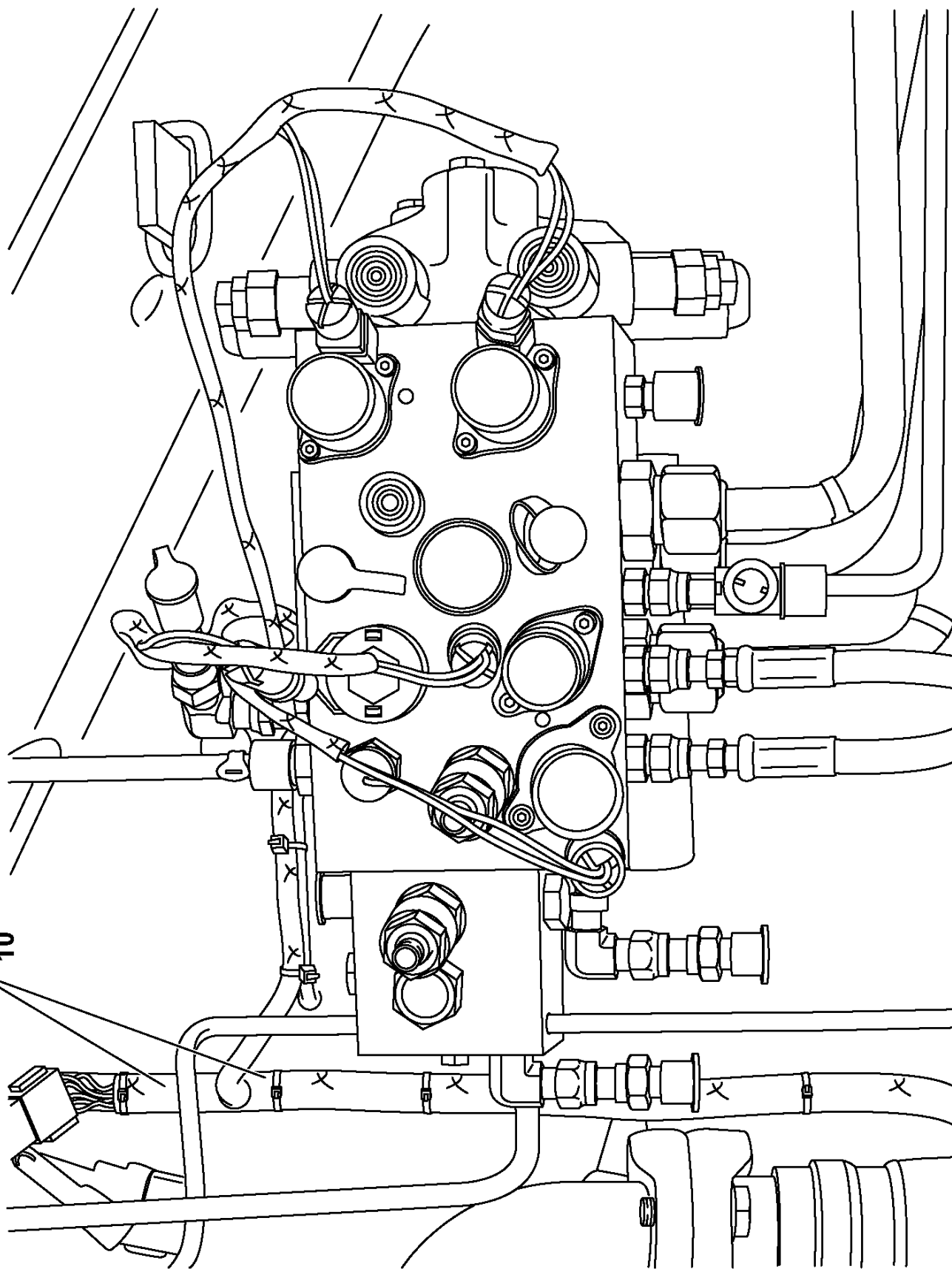


Manitowoc Cranes

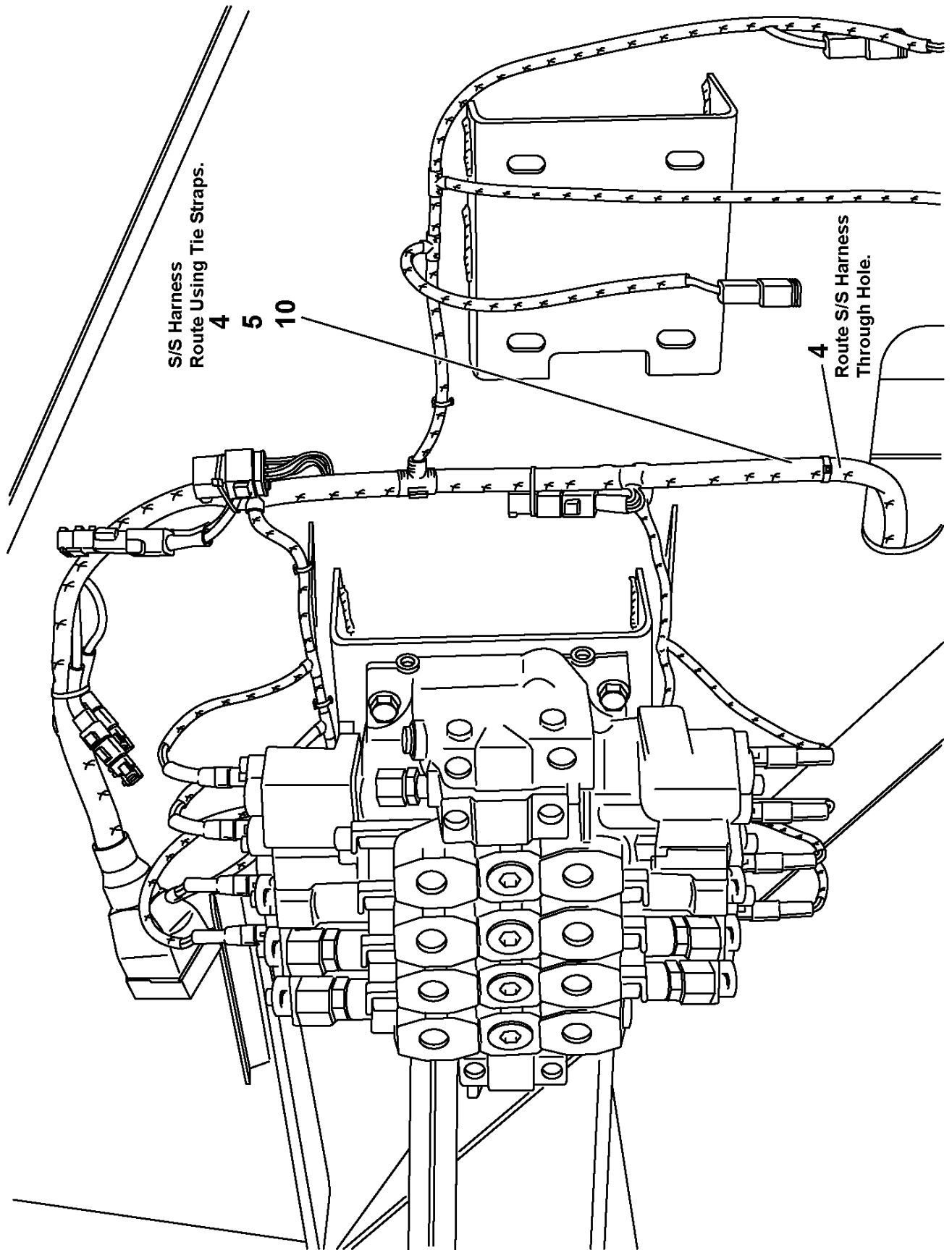


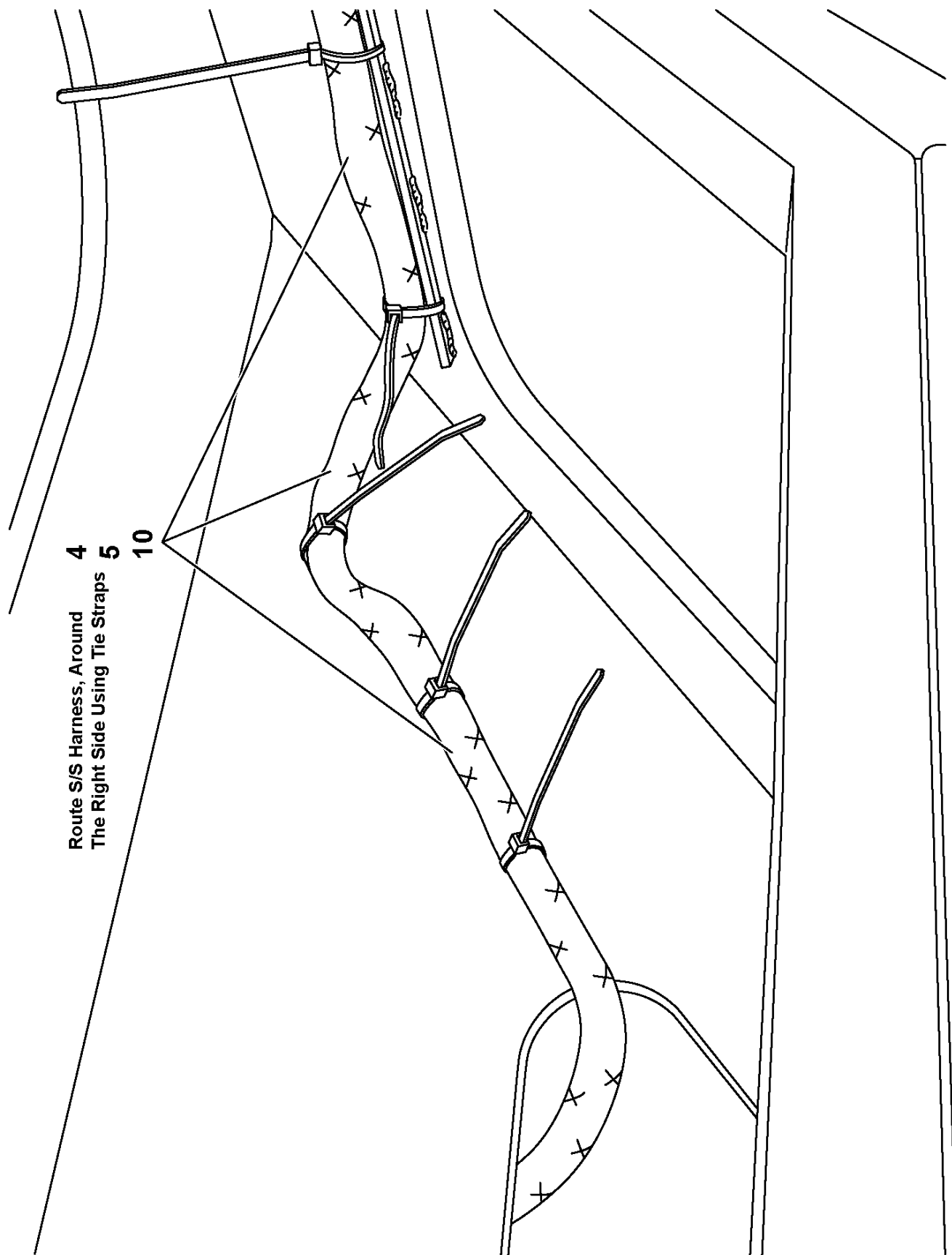
5 Using Tie Straps, Route as shown.

10



Manitowoc Cranes



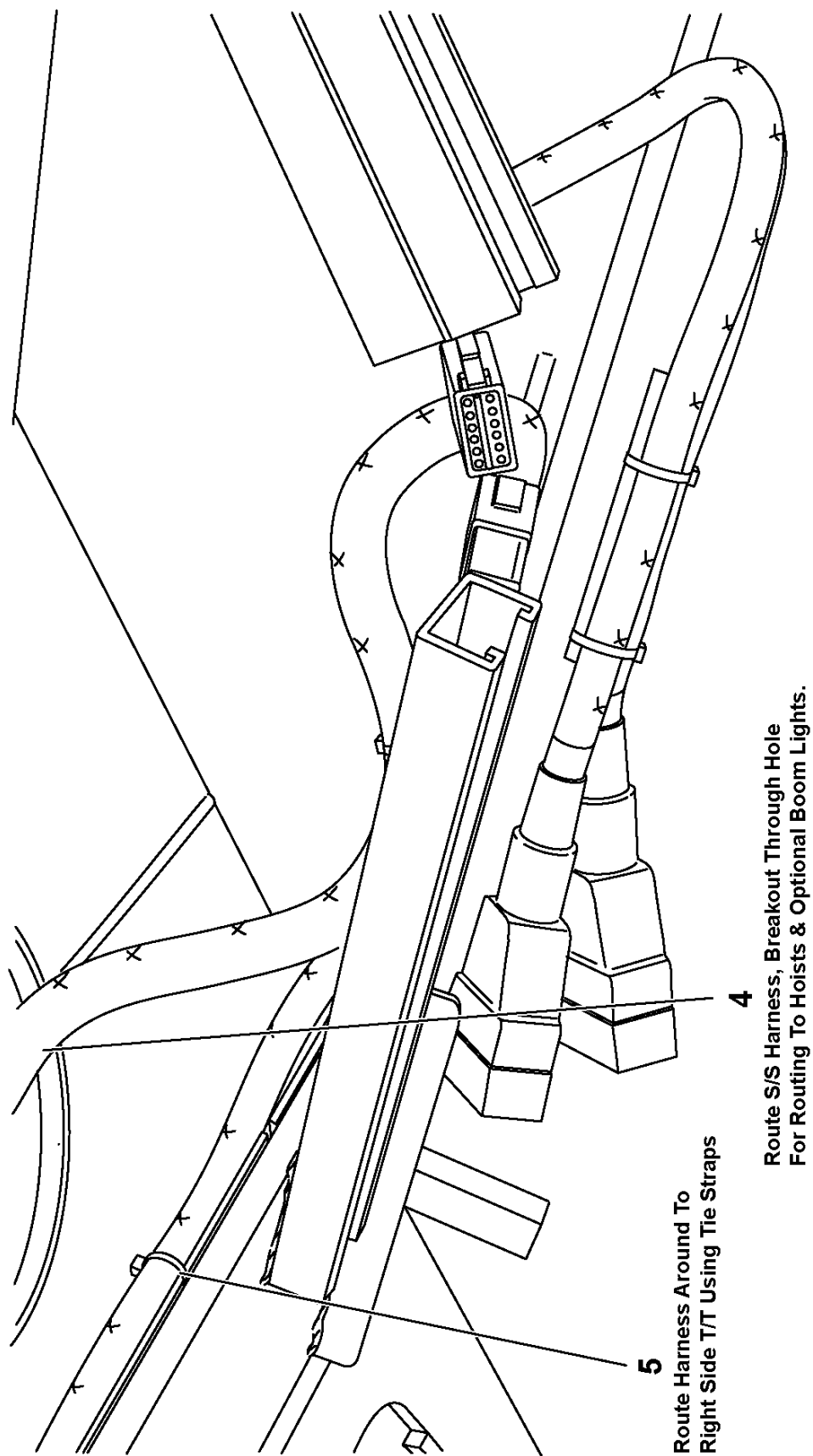


Route S/S Harness, Around
The Right Side Using Tie Straps

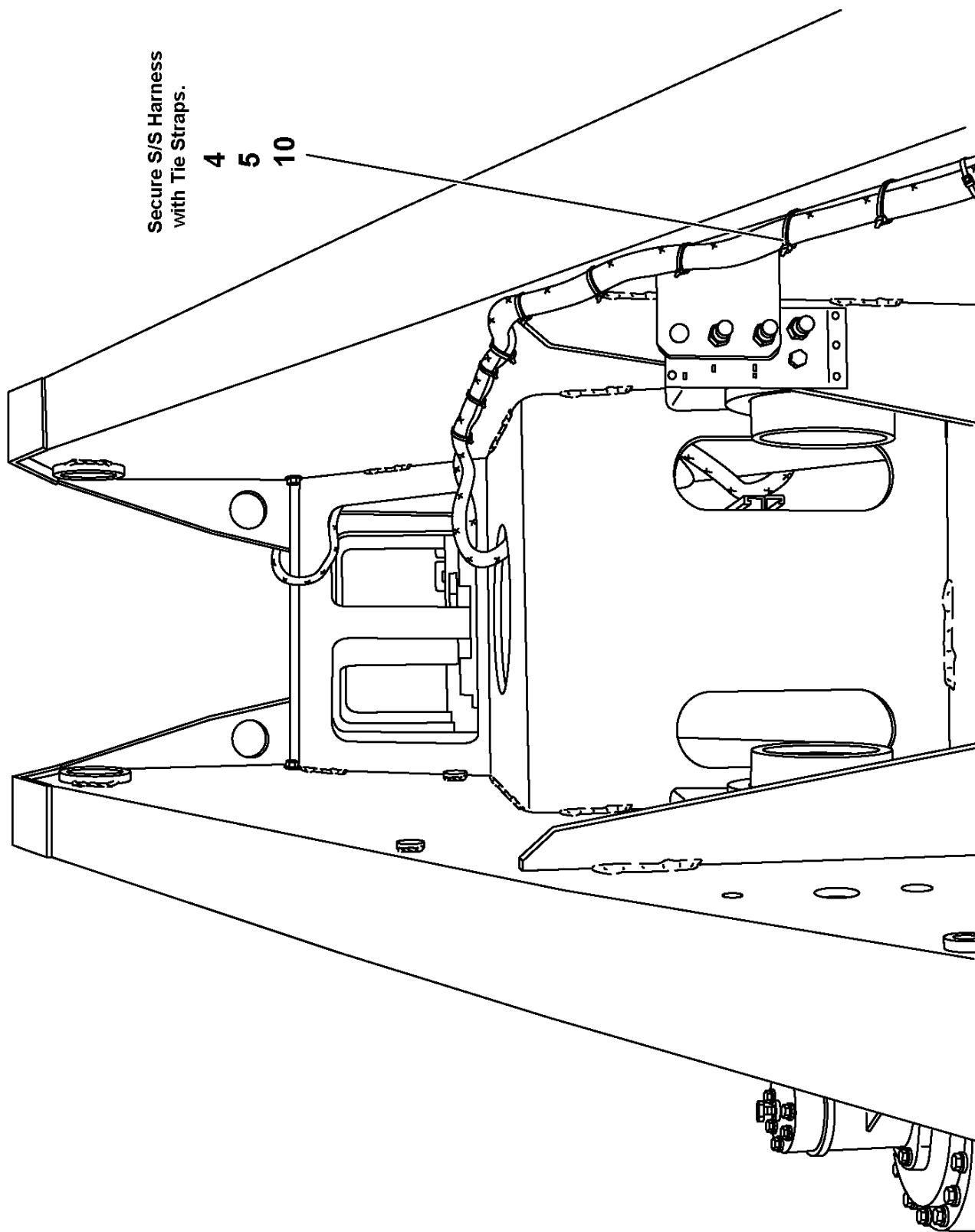
4

5

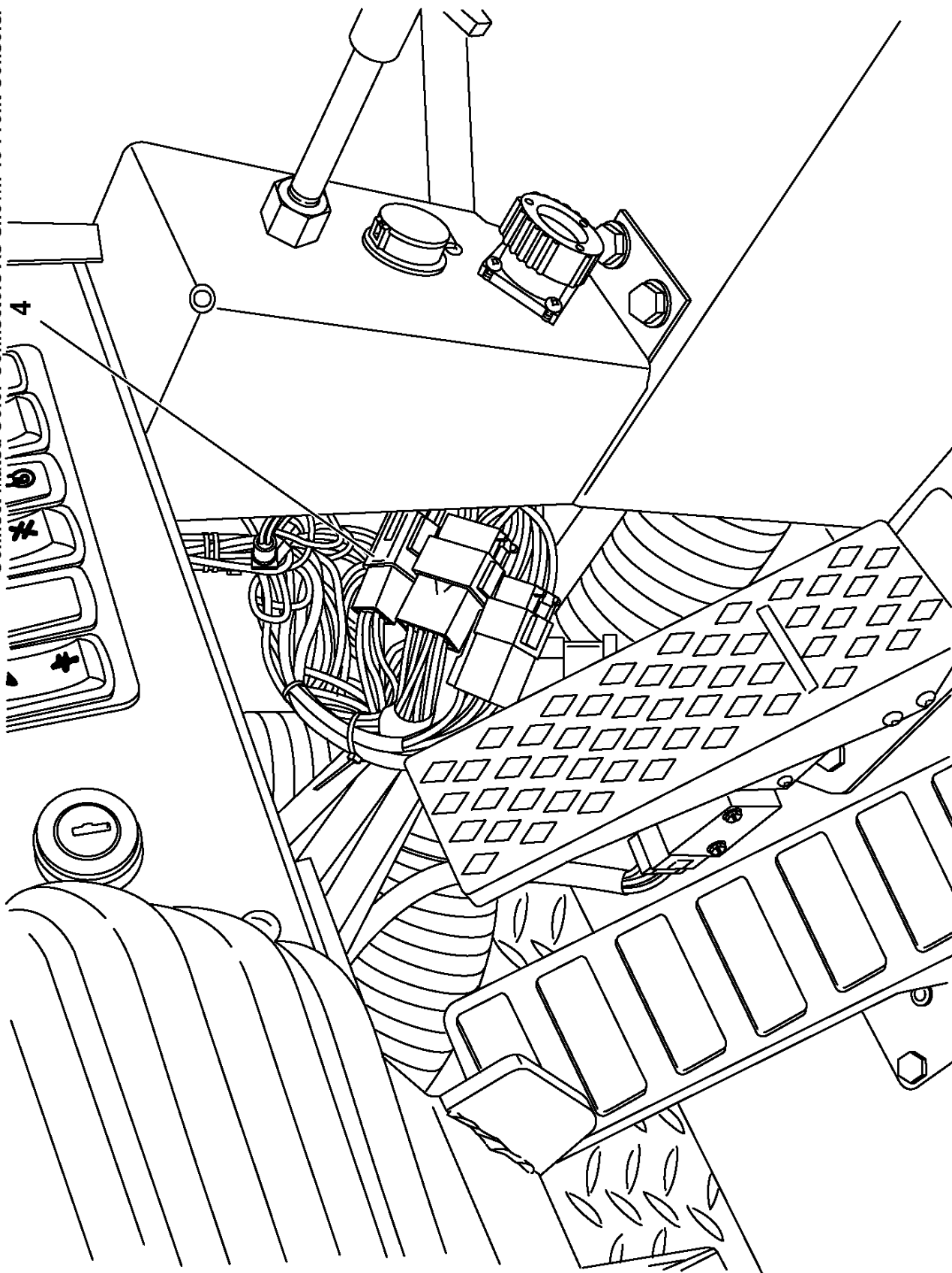
10



Manitowoc Cranes

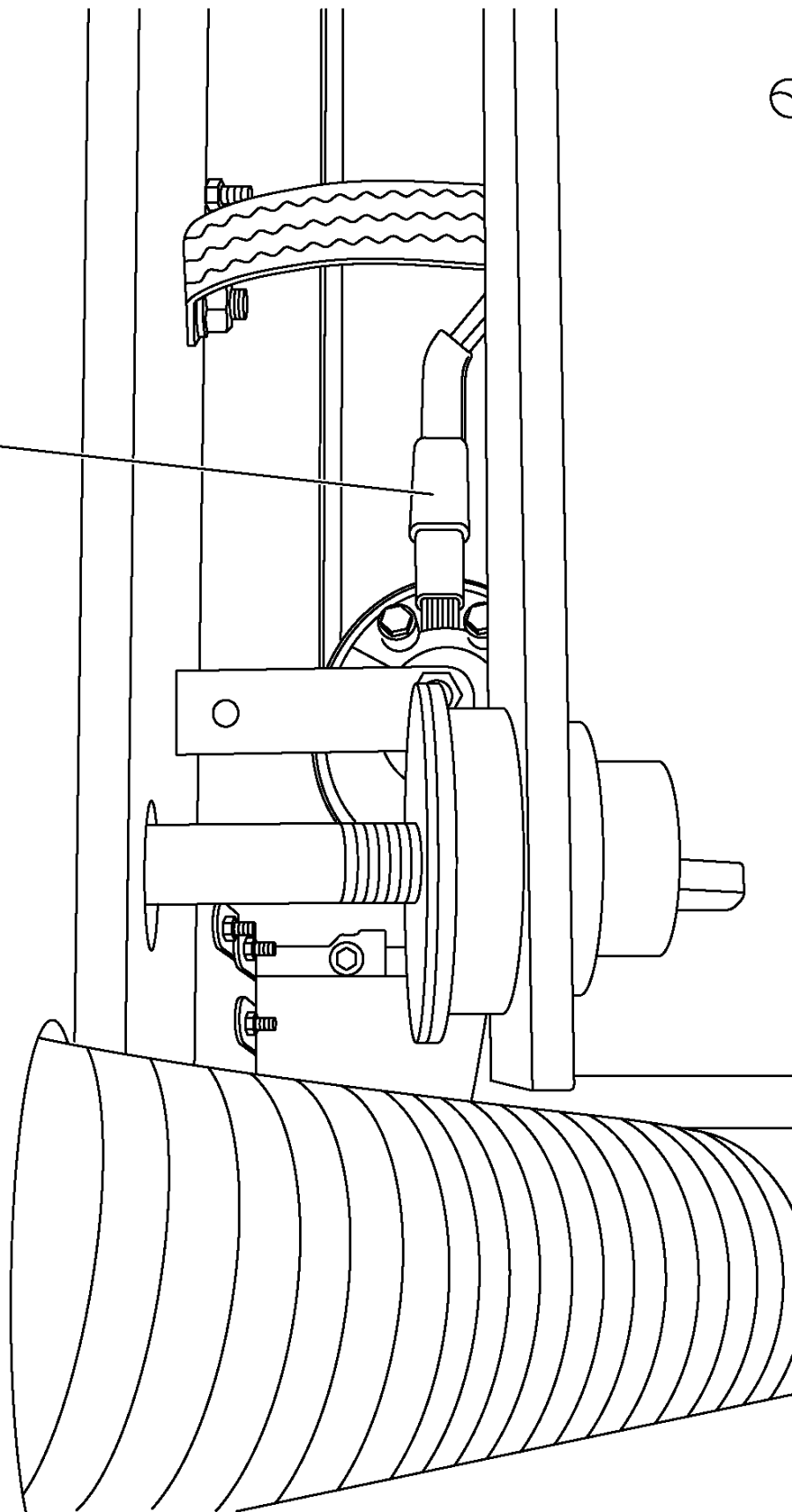


Route S/S Harness Thru Front Side Of Cab As Shown.
Connect Mated Color Connectors As Shown To Front Console.

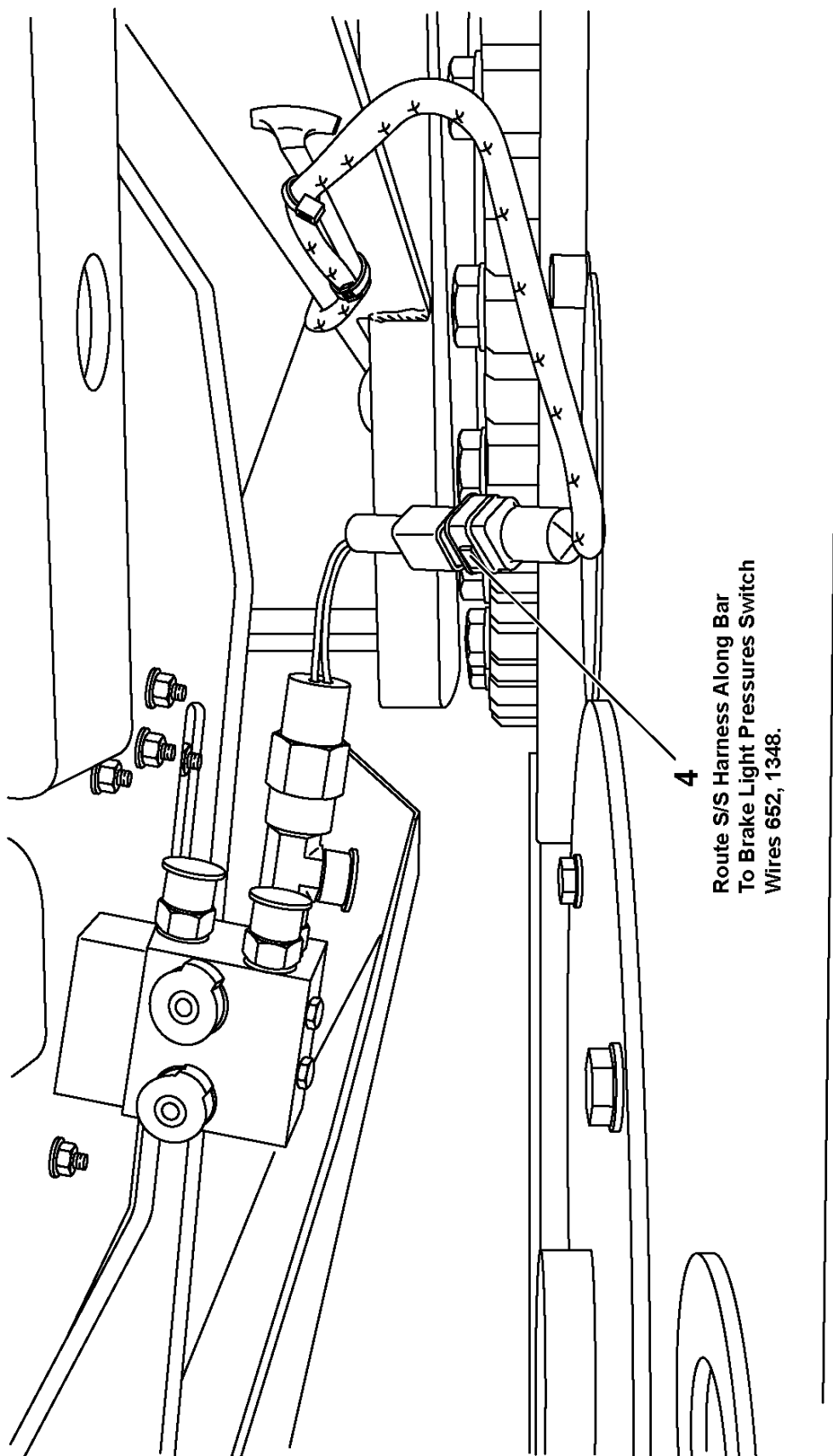


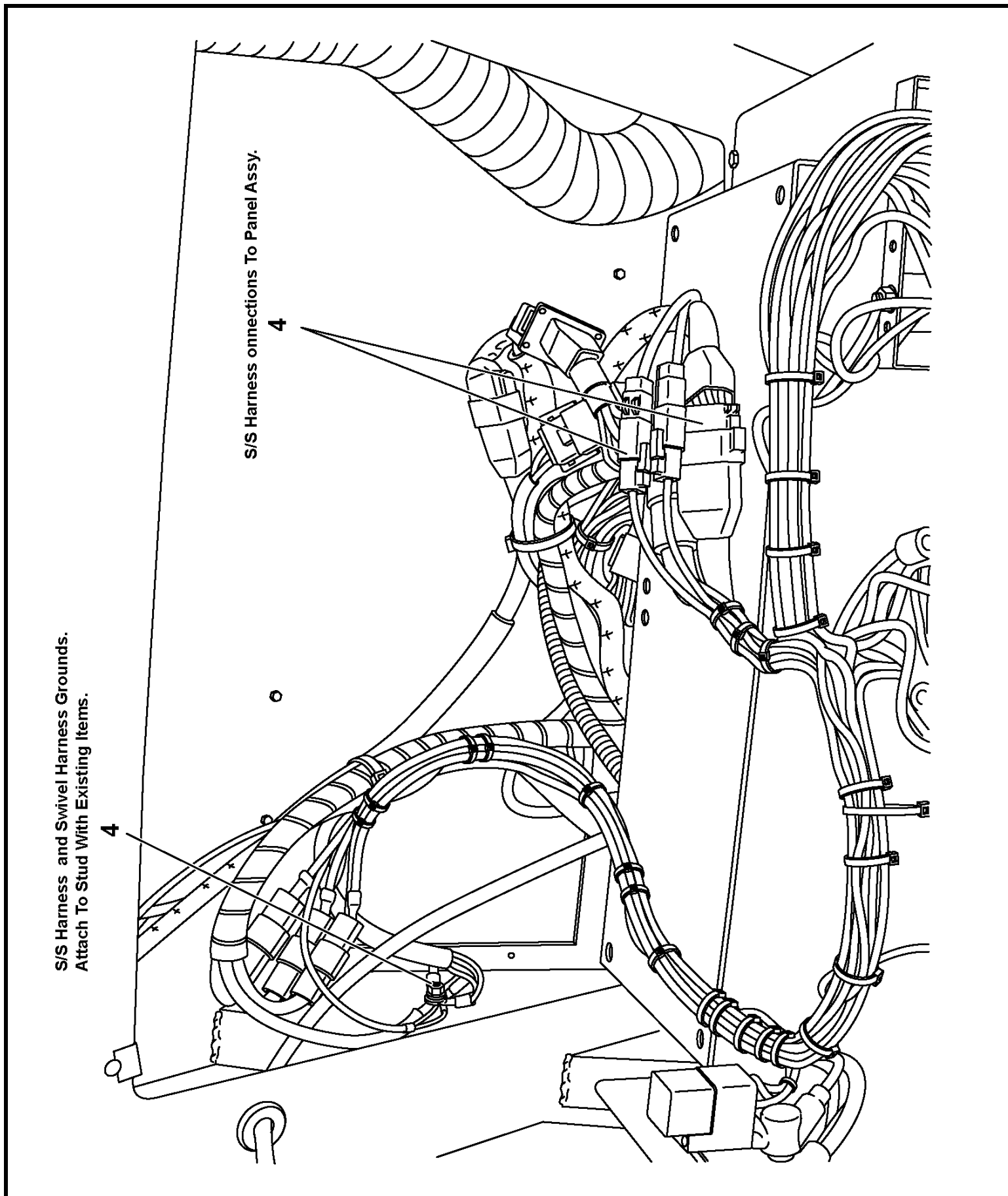
Route S/S Harness Along Bar
To Horn Wires 99, 51.

4



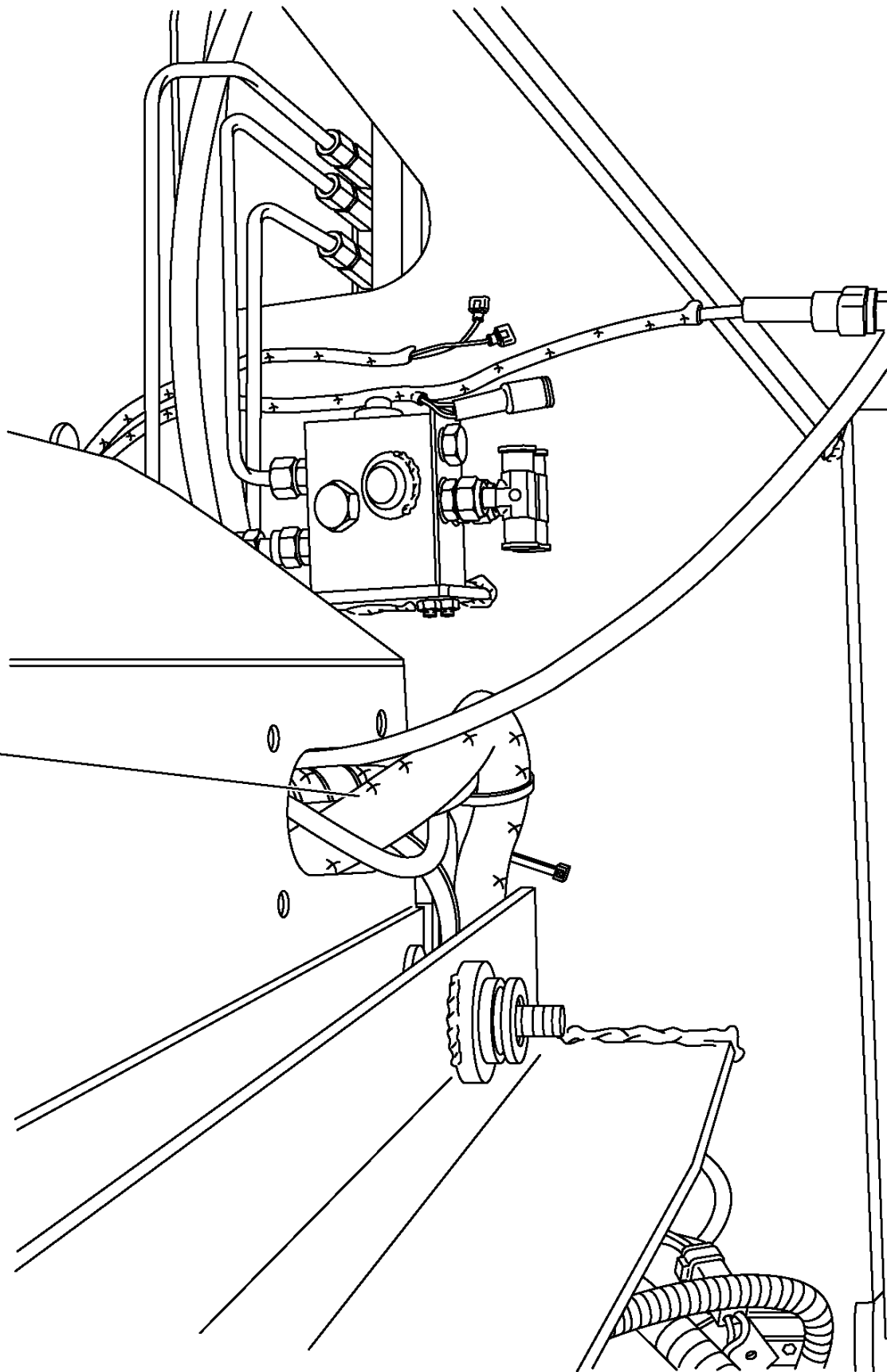
6





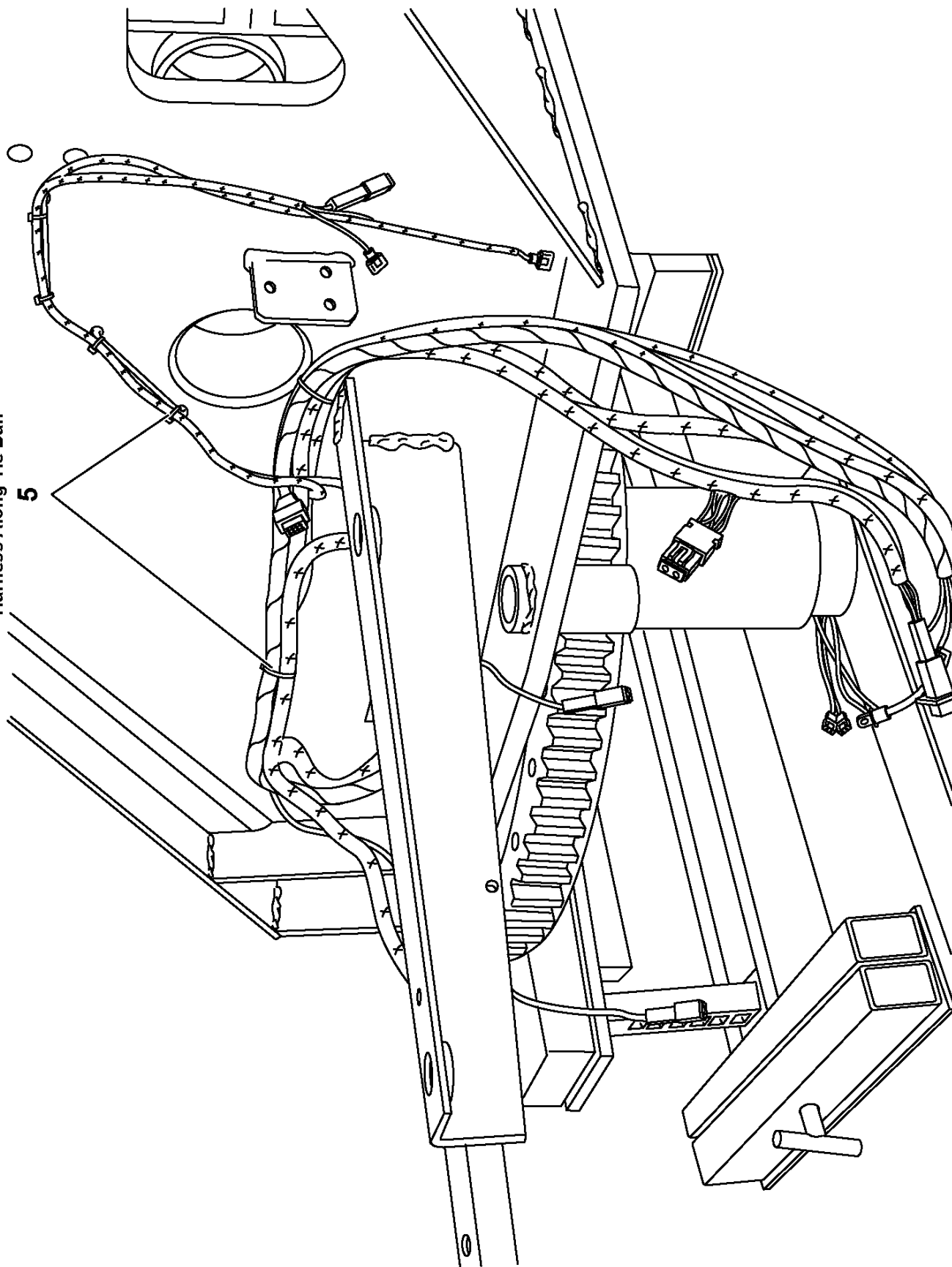
Route S/S Harness and Swivel Harness
Thru Hole While Installing Cab.

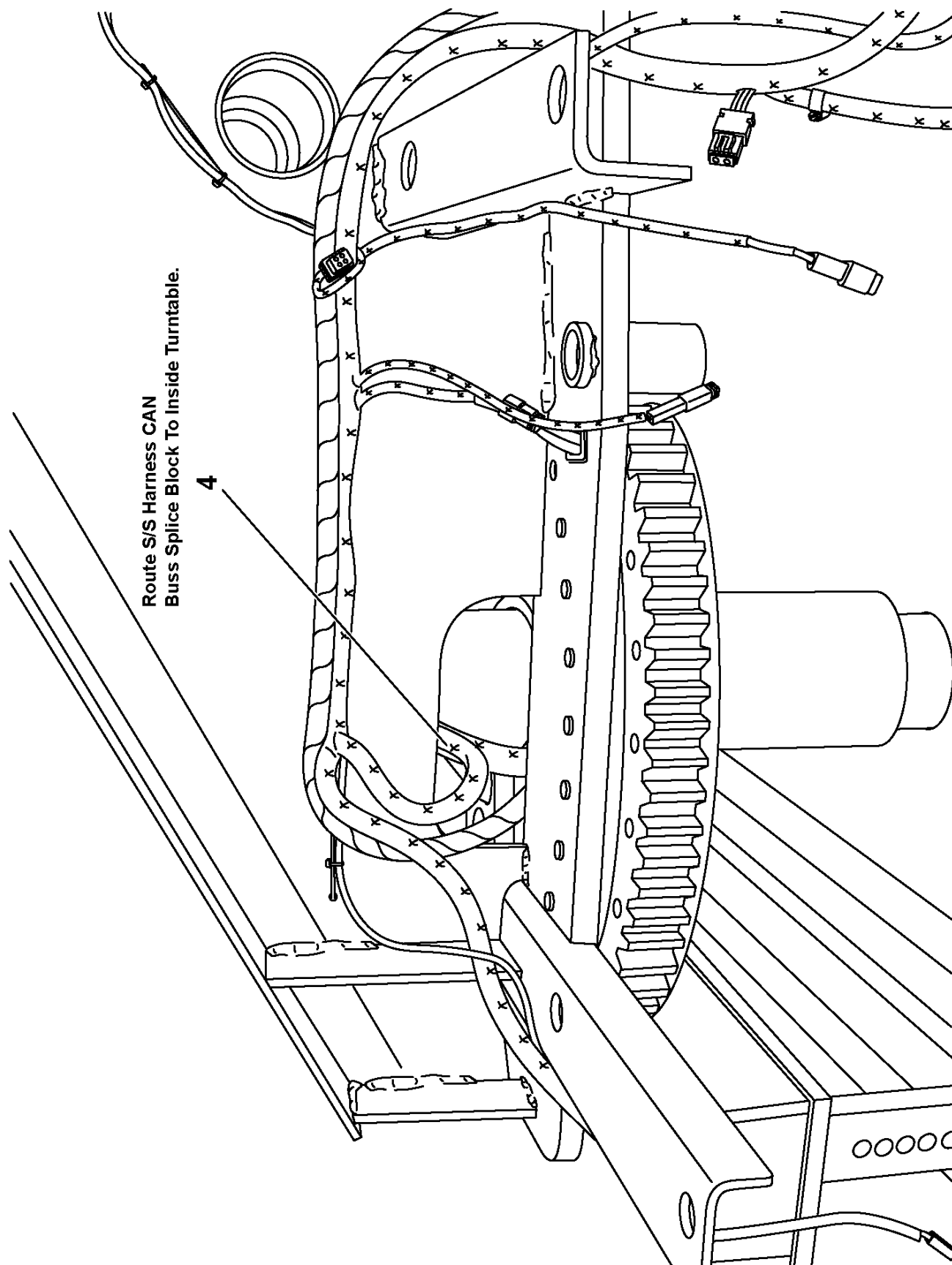
4



Use Tie Straps To Secure
Harness Along Tie Bar.

5





Manitowoc Cranes

Description

ELECTRICAL SYSTEM INSTALLATION-SS

Assembly No.

80020030

Revision: #

Item	FN	Part	Qty	Description
1	#	7352100070	2	MODULE, CONTROL (FRAME AND TURNTABLE)
2		6258100042	1	COVER
4	+	80020029	1	HARNESS ASSEMBLY-SUPERSTRUCTURE
5		7850000237	30	TIE, CABLE (BLACK) 7 5/16" LONG
6		7126171253	2	CAP SCREW, M8X25 HEX HEAD
7		7951170014	2	WASHER, FLAT #8
8		7951170210	2	WASHER, LOCK 8MM
9		7661170003	1	NUT
10		7850000805	20	TIE, CABLE (BLACK) 13 3/8" LONG

SERVICED AS AN ASSEMBLY ONLY

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Notes

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
1388C	WHITE	18	61	AJ	8	————	SA2	STRIP	SEE DETAIL
1388D		18	69	AH	8	————	SA2	STRIP	SEE DETAIL
1388E		16	233	AAG	8	————	SA2	STRIP	SEE DETAIL
1436A		10	290	AR	36	————	SB1	STRIP	SEE DETAIL
1436B		14	13	BA	7	————	SB1	STRIP	SEE DETAIL
1436C		14	13	BA	7	————	SB1	STRIP	SEE DETAIL
1436D		14	13	BA	7	————	SB1	STRIP	SEE DETAIL
1436E		14	13	BB	7	————	SB1	STRIP	SEE DETAIL
1436G		14	13	BB	7	————	SB1	STRIP	SEE DETAIL
1436H		14	13	BA	7	————	SB1	STRIP	SEE DETAIL
1450		18	68	AM	8	————	AL	8	————
1451		18	68	AM	8	————	AL	8	————
1467		18	112	AM	8	————	AR	8	————
1468		18	112	AM	8	————	AR	8	————
1472		18	215	AA	6	————	AP	27	————
1475		18	121	AD	8	————	BH	8	————
1481A		10	217	AR	36	————	SA1	STRIP	SEE DETAIL
1481B		14	13	AD	7	————	SA1	STRIP	SEE DETAIL
1481C		14	13	AA	7	————	SA1	STRIP	SEE DETAIL
1481D		14	13	AD	7	————	SA1	STRIP	SEE DETAIL
1481E		14	13	AA	7	————	SA1	STRIP	SEE DETAIL
1481F		14	13	AA	7	————	SA1	STRIP	SEE DETAIL
1481G		14	13	AA	7	————	SA1	STRIP	SEE DETAIL
1488		18	165	BA	6	————	AE	66	————
1511		14	112	AR	7	————	AM	7	————
1516A		14	215	SA1	STRIP	SEE DETAIL	AR	7	————
1516B		14	15	SA1	STRIP	SEE DETAIL	AD	7	————
1516C		14	106	SA1	STRIP	SEE DETAIL	BB	7	————
1520A		18	105	SA1	STRIP	SEE DETAIL	BA	6	————
1520B		18	16	SA1	STRIP	SEE DETAIL	AA	6	————
1520C		18	34	SA2	STRIP	SEE DETAIL	AM	6	————
1520D		18	129	SA1	STRIP	SEE DETAIL	SA2	STRIP	SEE DETAIL
1520E		18	75	SA2	STRIP	SEE DETAIL	AAH	78	————
1653		18	220	AD	6	————	AAH	78	————
2152		18	220	AD	6	————	AAH	78	————
J1		18	3	AB	41	————	AB	41	————
J2		18	3	AC	41	————	AC	41	————
SHLD1		16	4	AX	STRIP	CABLE PC1A	AX	STRIP	CABLE PC1A
SHLD2		16	4	AW	STRIP	CABLE PC1B	AW	STRIP	CABLE PC1B
SHLD3		16	4	AV	STRIP	CABLE PC1C	AV	STRIP	CABLE PC1C
SHLD4		16	4	AM	STRIP	CABLE PC1D	AM	STRIP	CABLE PC1D
SHLD5		16	4	BC	STRIP	CABLE PC1F	BC	STRIP	CABLE PC1F
SHLD6		16	4	AV	STRIP	CABLE PC2A	AV	STRIP	CABLE PC2A
SHLD7		16	4	AM	STRIP	CABLE PC2B	AM	STRIP	CABLE PC2B
SHLD8		16	4	BD	STRIP	CABLE PC2D	BD	STRIP	CABLE PC2D
SHLD9		16	4	BC	STRIP	CABLE PC1G	BC	STRIP	CABLE PC1G
SHLD10		16	4	BD	STRIP	CABLE PC2E	BD	STRIP	CABLE PC2E
SHLD11		16	4	AV	STRIP	CABLE J1939	AV	STRIP	CABLE J1939
SHLD12		16	4	AM	STRIP	CABLE J1939	AM	STRIP	CABLE J1939
SHLD13	WHITE	16	4	AA	STRIP	CABLE SWGPED	AA	STRIP	CABLE SWGPED

80020029

(SHEET 10 OF 10)

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
101A	WHITE	14	103	AD	7	_____	AB	22,23	_____
101B		14	103	AD	7	_____	AB	22,23	_____
109A		18	207	AA	6	_____	AJ	6	_____
112		16	112	AR	8	_____	AM	8	_____
113		18	112	AR	8	_____	AM	8	_____
137		12	308	AAG	71,74	_____	AR	73	_____
149		18	106	AW	8	_____	AM	8	_____
193		16	112	AR	8	_____	AM	8	_____
194		16	112	AR	8	_____	AM	8	_____
200		14	172	AA	7	_____	AN	7	_____
201		14	203	BA	7	_____	AN	7	_____
202A		16	168	AA	7	_____	SA4	STRIP	SEE DETAIL
202B		16	168	AA	7	_____	SA4	STRIP	SEE DETAIL
202C		14	4	AN	7	_____	SA4	STRIP	SEE DETAIL
214		16	112	AR	8	_____	AM	8	_____
215A		18	127	BA	6	_____	SA5	STRIP	SEE DETAIL
215B		18	19	AC	66	_____	SA5	STRIP	SEE DETAIL
215C		18	7	AB	66	_____	SA5	STRIP	SEE DETAIL
268		16	112	AR	8	_____	AM	8	_____
445		16	181	AA	6	_____	AAG	6	_____
505		18	146	BA	6	_____	AC	66	_____
507		18	134	BA	6	_____	AB	66	_____
508		18	159	AD	6	_____	AS	66	_____
509		18	165	BB	6	_____	AE	66	_____
553		18	227	AR	6	_____	AD	6	_____
627		18	215	AA	6	_____	AH	6	_____
652		18	86	AK	6	_____	AM	6	_____
713		18	106	AW	6	_____	AM	6	_____
795		18	56	BA	8	_____	BJ	8	_____
1113		18	65	BB	8	_____	BF	8	_____
1114		18	51	BB	8	_____	BE	8	_____
1127		18	115	AD	8	_____	BE	8	_____
1129		18	101	AD	8	_____	BF	8	_____
1143		18	62	BB	8	_____	BF	8	_____
1144		18	48	BB	8	_____	BE	8	_____
1145		18	179	AD	6	_____	AM	8	_____
1157		18	121	AD	8	_____	BK	8	_____
1158		18	125	AD	8	_____	BK	8	_____
1167		18	59	BB	8	_____	BF	8	_____
1169A		18	45	BB	8	_____	BE	8	_____
1195		18	112	AR	8	_____	AM	8	_____
1257		14	112	AR	7	_____	AM	7	_____
1269		14	112	AR	7	_____	AM	7	_____
1272		18	112	AR	8	_____	AM	8	_____
1384A		16	31	AM	8	_____	SA3	STRIP	SEE DETAIL
1384B		18	55	AK	8	_____	SA3	STRIP	SEE DETAIL
1384C		16	81	AX	42	_____	SA3	STRIP	SEE DETAIL
1385		14	30	AR	7	_____	AX	42	_____
1388A		18	146	AA	8	_____	SA2	STRIP	SEE DETAIL
1388B	WHITE	18	113	AS	66	_____	SA2	STRIP	SEE DETAIL

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
51K	WHITE	14	15	AB	22,23	_____	AG	7	_____
51L		18	15	AB	6	_____	AG	6	_____
51M		18	48	AAF	6	_____	AG	6	_____
51N		18	71	AS	66	_____	AG	8	_____
51P		18	80	AS	8	_____	AG	8	_____
51R		18	46	AE	66	_____	AG	8	_____
51S		18	55	AE	8	_____	AG	8	_____
51T		14	213	AU	28	CRIMP W/51Z	AG	7	_____
51X		18	29	AL	8	_____	AY	8	_____
51Y		18	49	AP	27	_____	AY	8	_____
51Z		14	59	AN	7	_____	AU	STRIP	CRIMP W/51T
51AA		18	39	AT	8	_____	AY	8	_____
51AB		14	98	AM	7	_____	AU	28	CRIMP W/51AE
51AC		14	56	AW	7	_____	AU	28	CRIMP W/51AD
51AD		14	56	AX	42	_____	AU	STRIP	CRIMP W/51AC
51AE		14	47	AY	7	_____	AU	STRIP	CRIMP W/51AB
51AF		10	262	AU	28	_____	SB1	STRIP	SEE DETAIL
51AG		14	14	BA	7	_____	SB1	STRIP	SEE DETAIL
51AH		14	14	BA	7	_____	SB1	STRIP	SEE DETAIL
51AJ		14	14	BB	7	_____	SB1	STRIP	SEE DETAIL
51AK		14	220	BL	7	_____	AU	28	CRIMP W/51AL
51AL		14	209	BG	7	_____	AU	STRIP	CRIMP W/51AK
51AM		18	30	BF	8	_____	BG	8	_____
51AN		18	27	BF	8	_____	BG	8	_____
51AP		18	24	BF	8	_____	BG	8	_____
51AR		18	22	BF	8	_____	BG	8	_____
51AS		18	33	BE	8	_____	BL	8	_____
51AT		18	30	BE	8	_____	BL	8	_____
51AU		18	27	BE	8	_____	BL	8	_____
51AV		18	24	BE	8	_____	BL	8	_____
51AW		18	41	BH	8	_____	BG	8	_____
51AX		18	36	BJ	8	_____	BL	8	_____
51AY		18	32	BJ	8	_____	BL	8	_____
51AZ		18	36	BK	8	_____	BL	8	_____
51BA		18	40	BK	8	_____	BL	8	_____
51BB		12	294	AAG	71,74	_____	AU	28	CRIMP W/51F
51BC		18	54	AY	8	_____	AAH	78	_____
68A		16	112	AR	8	_____	AM	8	_____
71		14	30	AR	7	_____	AW	7	_____
73		18	106	AW	6	_____	AM	6	_____
74A		18	106	AW	6	_____	AM	6	_____
74B		16	103	AA	8	_____	AB	8	_____
87A		14	173	BA	7	_____	SA6	STRIP	SEE DETAIL
87B		14	5	AF	7	_____	SA6	STRIP	SEE DETAIL
87C		14	5	AF	7	_____	SA6	STRIP	SEE DETAIL
89A		18	181	AAH	8	_____	AD	6	_____
92		18	172	AA	6	_____	AN	8	_____
93		18	15	AN	8	_____	AAH	8	_____
96A		18	139	AA	6	_____	AAF	6	_____
99A	WHITE	18	205	AA	8	_____	AT	8	_____

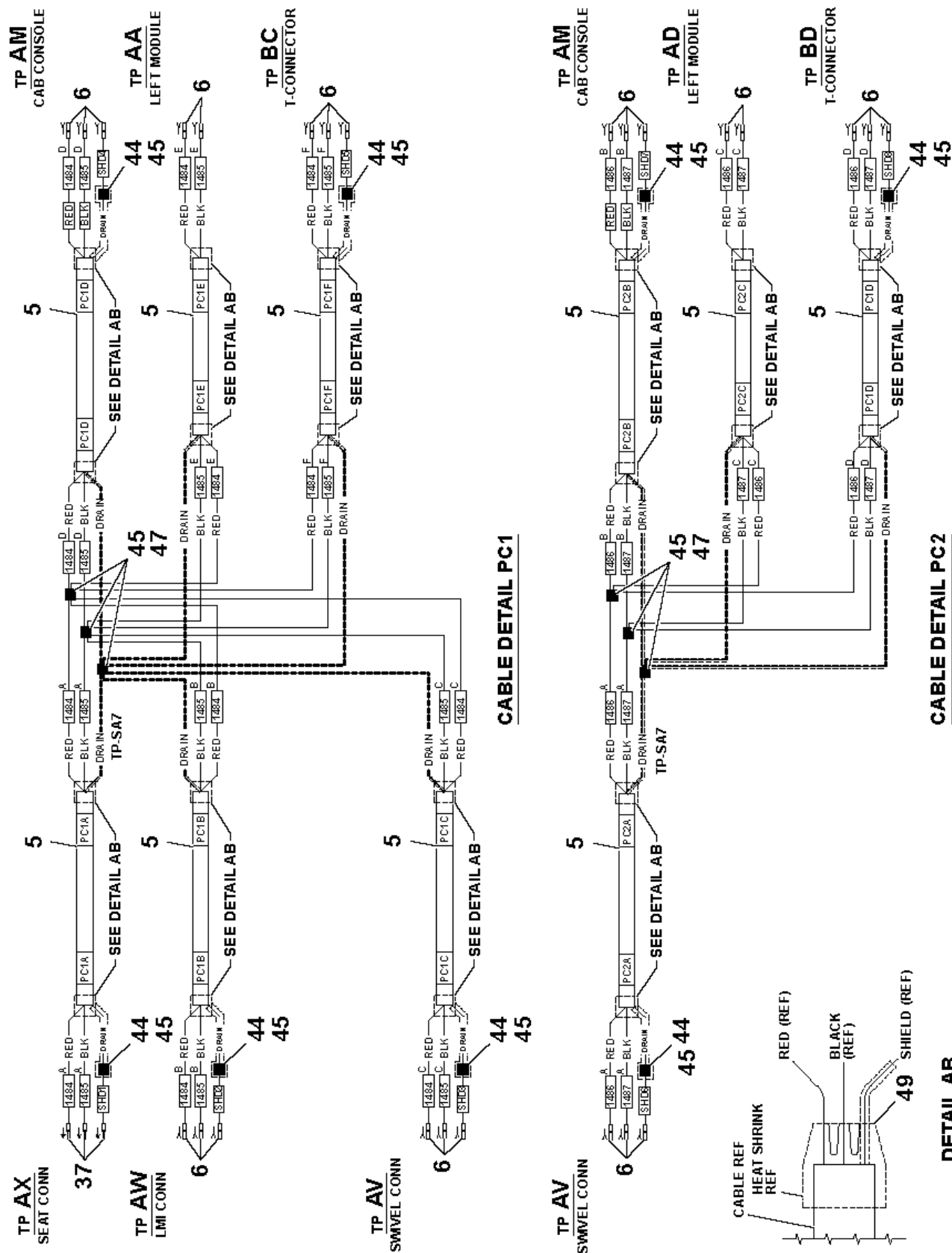
80020029

(SHEET 8 OF 10)

Manitowoc Cranes

WIRE NUMBER LABELS FOR USE ON CABLE ASSY'S									
WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQ'D
1484A	WHITE	10	5	PC1A	AX	USE INSUL	SA7	USE INSUL	2
1484B		10	5	PC1B	AW	USE INSUL	SA7	USE INSUL	2
1484C		10	5	PC1C	AV	USE INSUL	SA7	USE INSUL	2
1484D		10	5	PC1D	AM	USE INSUL	SA7	USE INSUL	2
1484E		10	5	PC1E	AA	USE INSUL	SA7	USE INSUL	2
1484F		10	5	PC1F	BC	USE INSUL	SA7	USE INSUL	2
1484G		10	5	PC1G	BA	USE INSUL	BC	USE INSUL	2
1485A		10	5	PC1A	AX	USE INSUL	SA7	USE INSUL	2
1485B		10	5	PC1B	AW	USE INSUL	SA7	USE INSUL	2
1485C		10	5	PC1C	AV	USE INSUL	SA7	USE INSUL	2
1485D		10	5	PC1D	AM	USE INSUL	SA7	USE INSUL	2
1485E		10	5	PC1E	AA	USE INSUL	SA7	USE INSUL	2
1485F		10	5	PC1F	BC	USE INSUL	SA7	USE INSUL	2
1485G		10	5	PC1G	BA	USE INSUL	BC	USE INSUL	2
1486A		10	5	PC2A	AV	USE INSUL	SA7	USE INSUL	2
1486B		10	5	PC2B	AM	USE INSUL	SA7	USE INSUL	2
1486C		10	5	PC2C	AD	USE INSUL	SA7	USE INSUL	2
1486D		10	5	PC2D	BD	USE INSUL	SA7	USE INSUL	2
1486E		10	5	PC2E	BB	USE INSUL	BD	USE INSUL	2
1487A		10	5	PC2A	AV	USE INSUL	SA7	USE INSUL	2
1487B		10	5	PC2B	AM	USE INSUL	SA7	USE INSUL	2
1487C		10	5	PC2C	AD	USE INSUL	SA7	USE INSUL	2
1487D		10	5	PC2D	BD	USE INSUL	SA7	USE INSUL	2
1487E		10	5	PC2E	BB	USE INSUL	BD	USE INSUL	2
1495		10	5	SWGPED	AA	USE INSUL	AM	USE INSUL	2
1496		10	5	SWGPED	AA	USE INSUL	AM	USE INSUL	2
1497		10	5	SWGPED	AA	USE INSUL	AM	USE INSUL	2
1498		10	5	TP	AA	USE INSUL	AM	USE INSUL	2
51ZZ		10	5	TP	AA	USE INSUL	AM	USE INSUL	2
1162		10	5	TP	AA	USE INSUL	AM	USE INSUL	2
1289		10	5	J1939	AV	USE INSUL	AM	USE INSUL	2
1290	WHITE	10	5	J1939	AV	USE INSUL	AM	USE INSUL	2

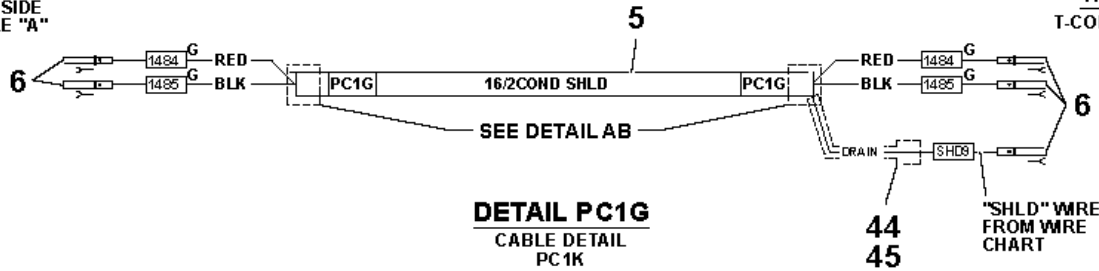
WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
35	WHITE	18	112	AR	8	_____	AM	8	_____
43		16	112	AR	8	_____	AM	8	_____
47		18	174	BA	8	_____	AE	8	_____
48		18	199	BA	8	_____	AS	8	_____
50		18	60	BA	8	_____	BJ	8	_____
51A		10	202	AU	28	_____	SA1	STRIP	SEE DETAIL
51B		14	14	AA	7	_____	SA1	STRIP	SEE DETAIL
51C		14	14	AA	7	_____	SA1	STRIP	SEE DETAIL
51D		14	14	AD	7	_____	SA1	STRIP	SEE DETAIL
51F		14	262	SA6	STRIP	SEE DETAIL	AU	STRIP	CRIMP W/51BB
51G		14	4	SA6	STRIP	SEE DETAIL	AF	7	_____
51H		14	4	SA6	STRIP	SEE DETAIL	AF	7	_____
51J	WHITE	14	15	AB	22,23	_____	AG	7	_____



Manitowoc Cranes

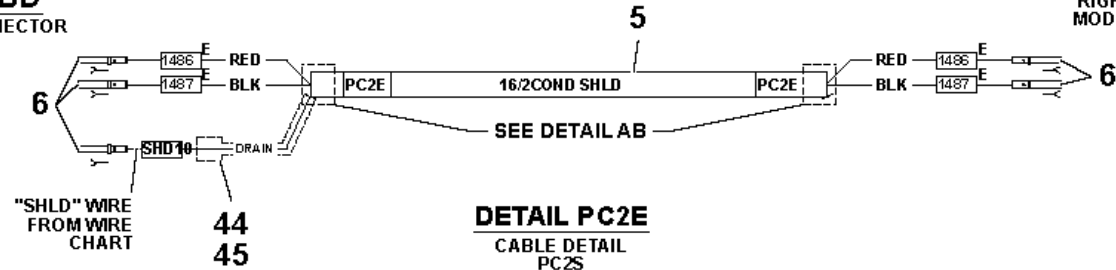
TP BA
RIGHT SIDE
MODULE "A"

TP BC
T-CONNECTOR



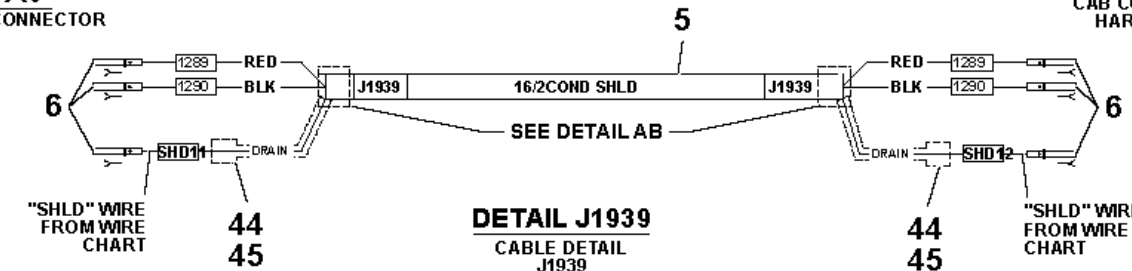
TP BD
T-CONNECTOR

TP BB
RIGHT SIDE
MODULE "B"



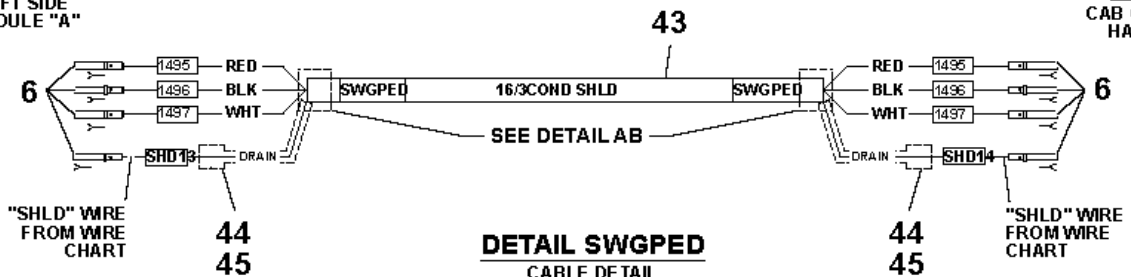
TP AV
SWIVEL CONNECTOR

TP AM
CAB CONSOLE
HARNESS



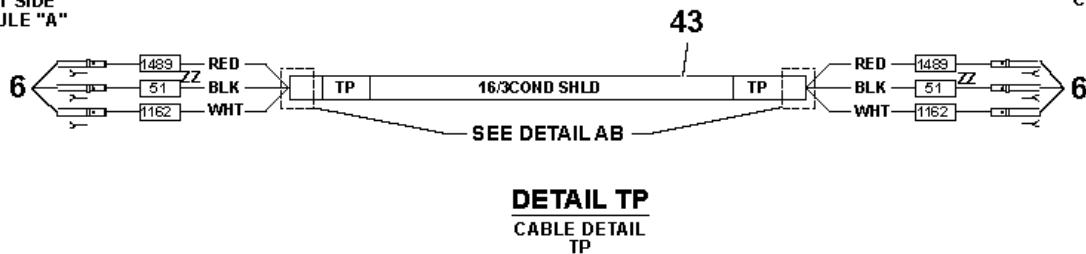
TP AA
LEFT SIDE
MODULE "A"

TP AM
CAB CONSOLE
HARNESS

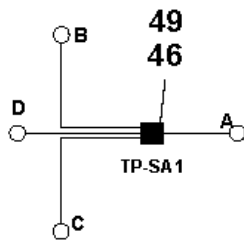


TP AA
LEFT SIDE
MODULE "A"

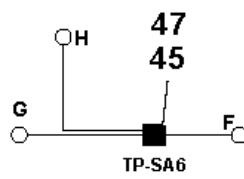
TP AM
CAB CONSOLE
HARNESS



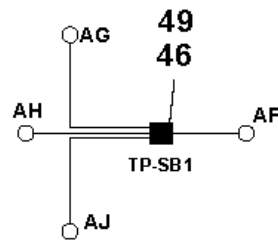
Manitowoc Cranes



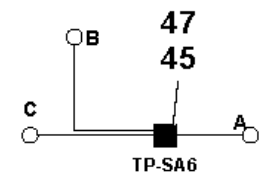
DETAIL 51



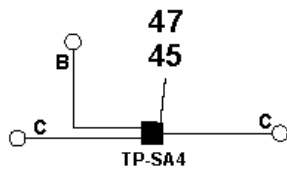
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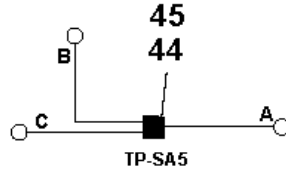
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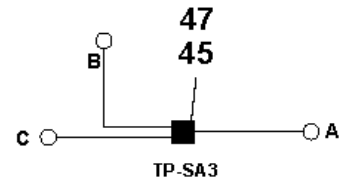
DETAIL 87



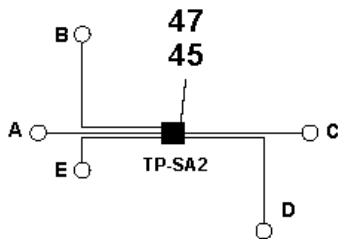
DETAIL 202



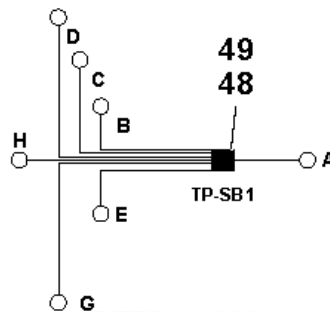
DETAIL 215



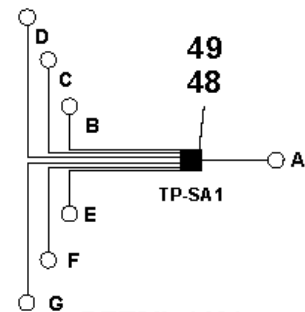
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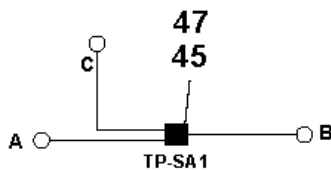
DETAIL 1388



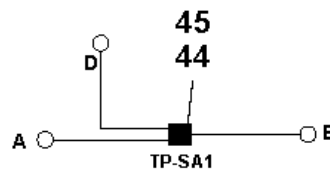
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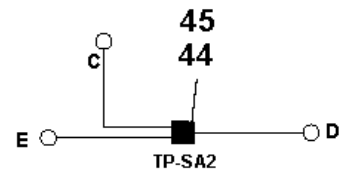
DETAIL 1481



DETAIL 1516

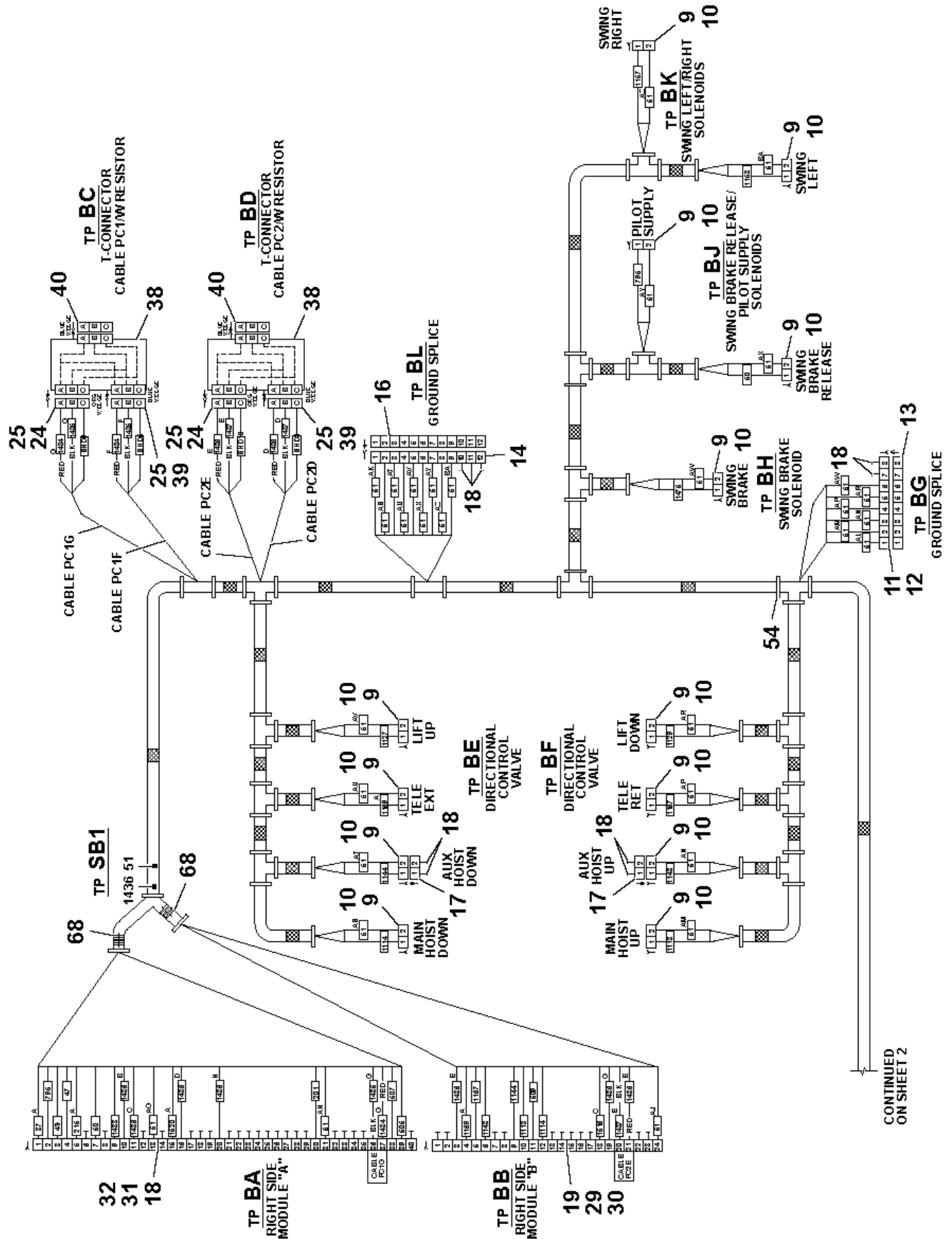


DETAIL 1520



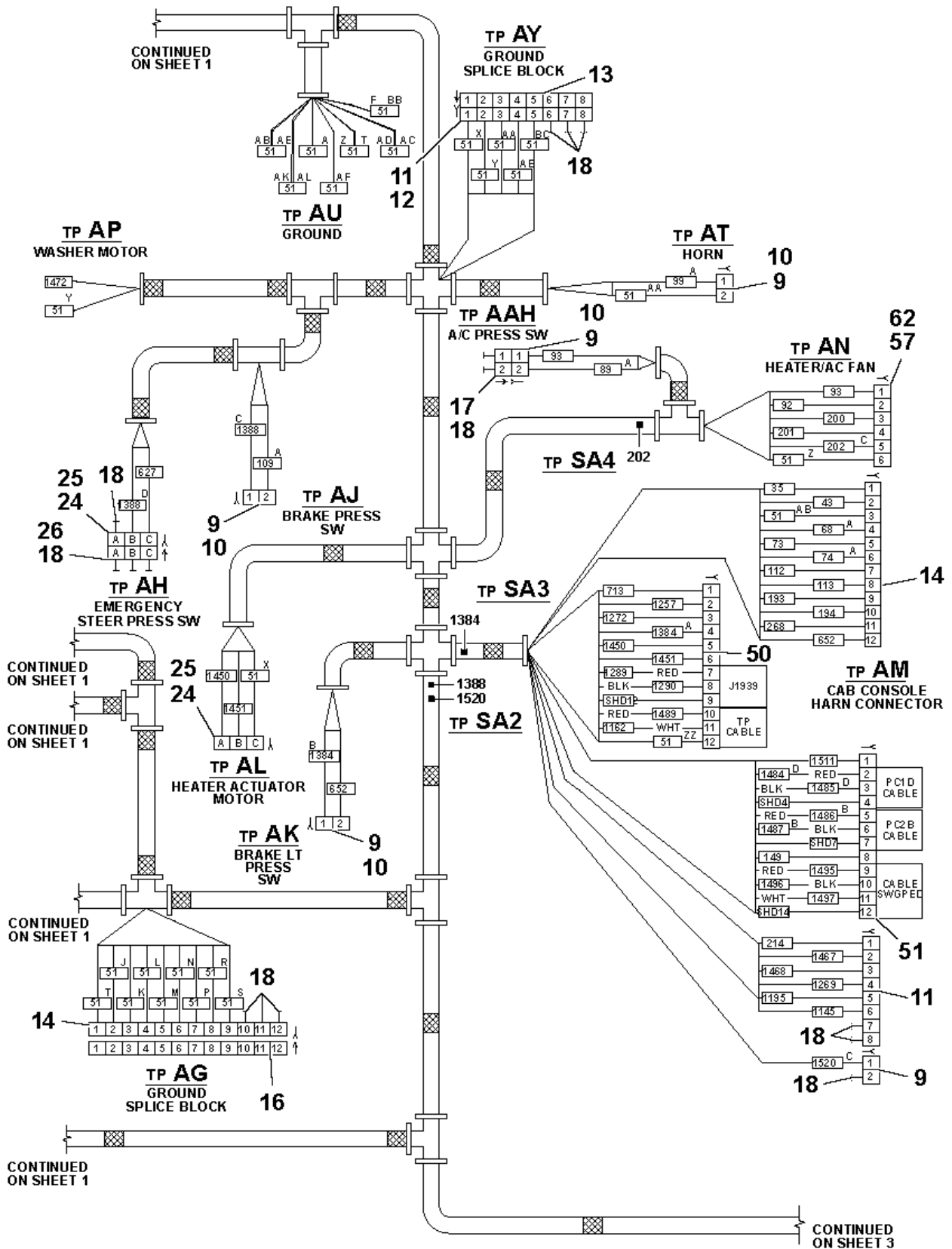
DETAIL 1520

80020029

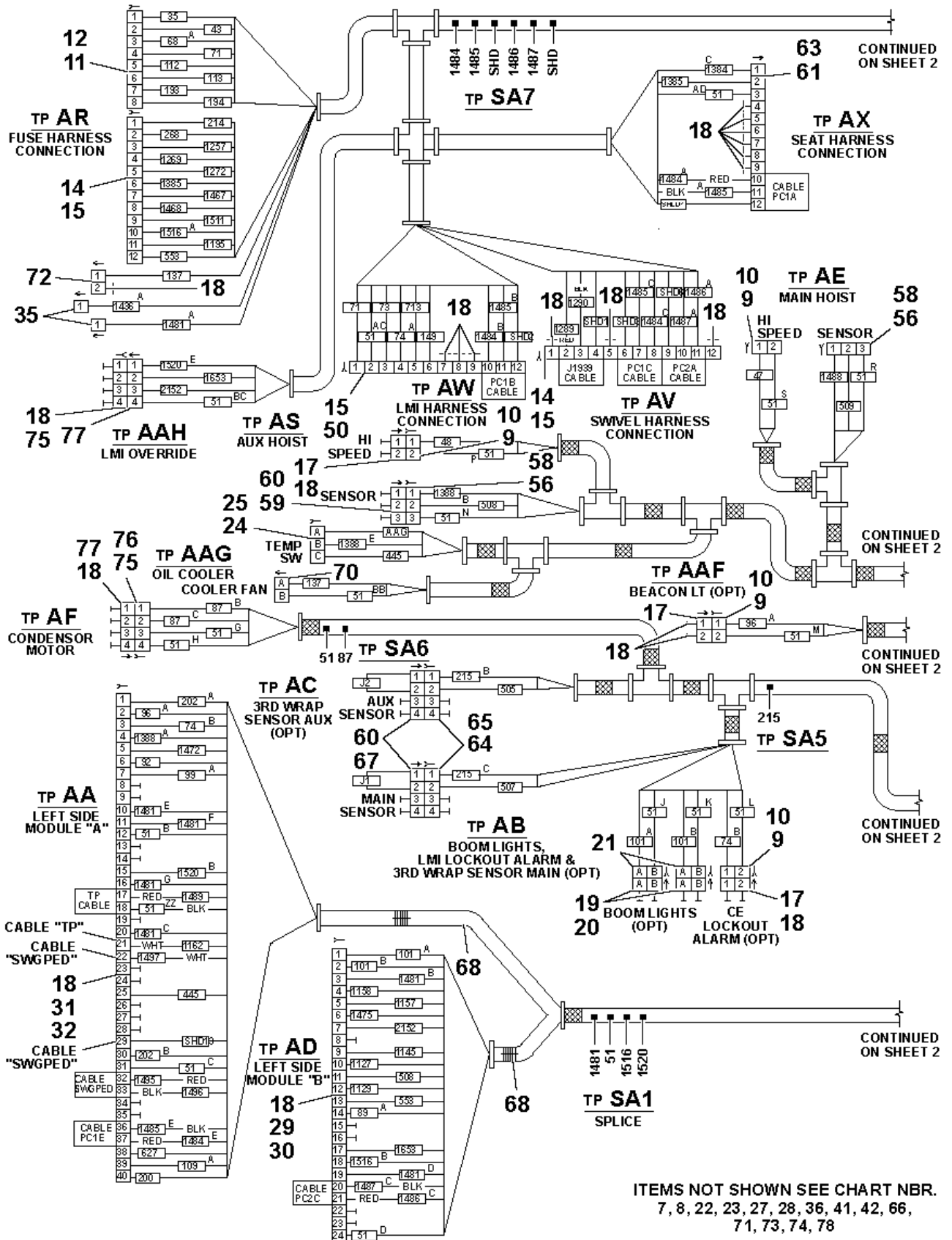


CONTINUED
ON SHEET 2

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description HARNESS ASSEMBLY-SUPERSTRUCTURE				Assembly No. 80020029 Revision: #
Item	FN	Part	Qty	Description
5		7246003369	105	CABLE, 16 GA 19 CONDUCTOR SHIELDED
6		7826100004	94	SOCKET, (16 - 18) 30 SERIES
7		7826000087	47	SOCKET, 16-14 GA
8		7826000626	116	SOCKET, 16 - 18 AWG
9		7709000844	22	PLUG, 2 SOCKET
10		7172000545	21	BOOT, DT2S CONNECTOR
11		7709000845	4	PLUG 8 SOCKET
12		7172000550	3	BOOT
13		7892100026	2	RECEPT, (8P) SPLICE BLOCK
14		7709000846	4	PLUG, 12 SOCKET
15		7172000552	4	BOOT
16		7892001036	2	RECEPTACLE, SPLICE BLOCK
17		7892000949	6	RECEPTACLE, 2 PIN
18		7689000503	98	PLUG, SEALING 16 - 12 AWG
19		7364001683	2	CONNECTOR, 2 CONDUCTOR SHROUD
20		7892000257	4	TERMINAL, GREEN CAVITY SEAL
21		7364001682	2	CONNECTOR, 2 CONDUCTOR TOWER WITH SEAL
22		7892000253	4	TERMINAL, FEMALE SLEEVE
23		7892000254	4	TERMINAL, GREEN CABLE SEAL
24		7709000874	4	PLUG 3 SOCKET
25		7172000547	6	BOOT
26		7892000978	1	RECEPTACLE, 3 PIN
27		7345001444	1	TERMINAL, FEMALE
28		7345241901	5	TONGUE, INSULATED RING
29		7709000850	2	PLUG 24 SOCKET
30		7172000553	2	BOOT

Manitowoc Cranes

Description
HARNESS ASSEMBLY-SUPERSTRUCTURE

Assembly No.
80020029
Revision: #

Item	FN	Part	Qty	Description
31		7709000849	2	PLUG 40 SOCKET
32		7172000554	2	BOOT
35		7892000979	2	RECEPTACLE, 1 PIN
36		7689001883	2	PIN 8 AWG
37		7689002053	3	PIN 16 - 18 AWG
38		7892100036	2	RECEPTACLE, 3 WAY
39		7709100911	2	PLUG,DT06-3S-CEO6 W/BLOCK WEDGE
40		7709100902	2	PLUG, 3 PIN
41		7689100044	4	PIN, 20GA GOLD
42		7689000704	2	PIN, 16 - 14 GA
43		7246100020	30	CABLE, SHIELDED
44		7892000194	17	PARALLEL, NON - INSULATED 16 - 14 AWG
45		8594100256	2	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
46		7892000197	2	PARALLEL, NON - INSULATED 6 AWG
47		7892000195	6	PARALLEL, NON - INSULATED 12 - 10 AWG
48		7892000198	2	PARALLEL - NON-INSULATED 4 AWG
49		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
50		7709100929	2	PLUG, DTO6-12SB-C015 W/WEDGE
51		7709100930	1	PLUG, DTO6-12SC-C015 W/WEDGE
54		7850000208	100	CABLE TIE, BLACK
56		7709100877	2	PLUG
57		7172000565	1	BOOT, CONNECTOR
58		7172100002	2	BOOT, PLUG
59		7892100010	1	RECEPTACLE, DTM-3P
60		7826000650	9	PLUG, SEALING
61		7892000951	1	RECEPTACLE, 12 PIN

Manitowoc Cranes

Description

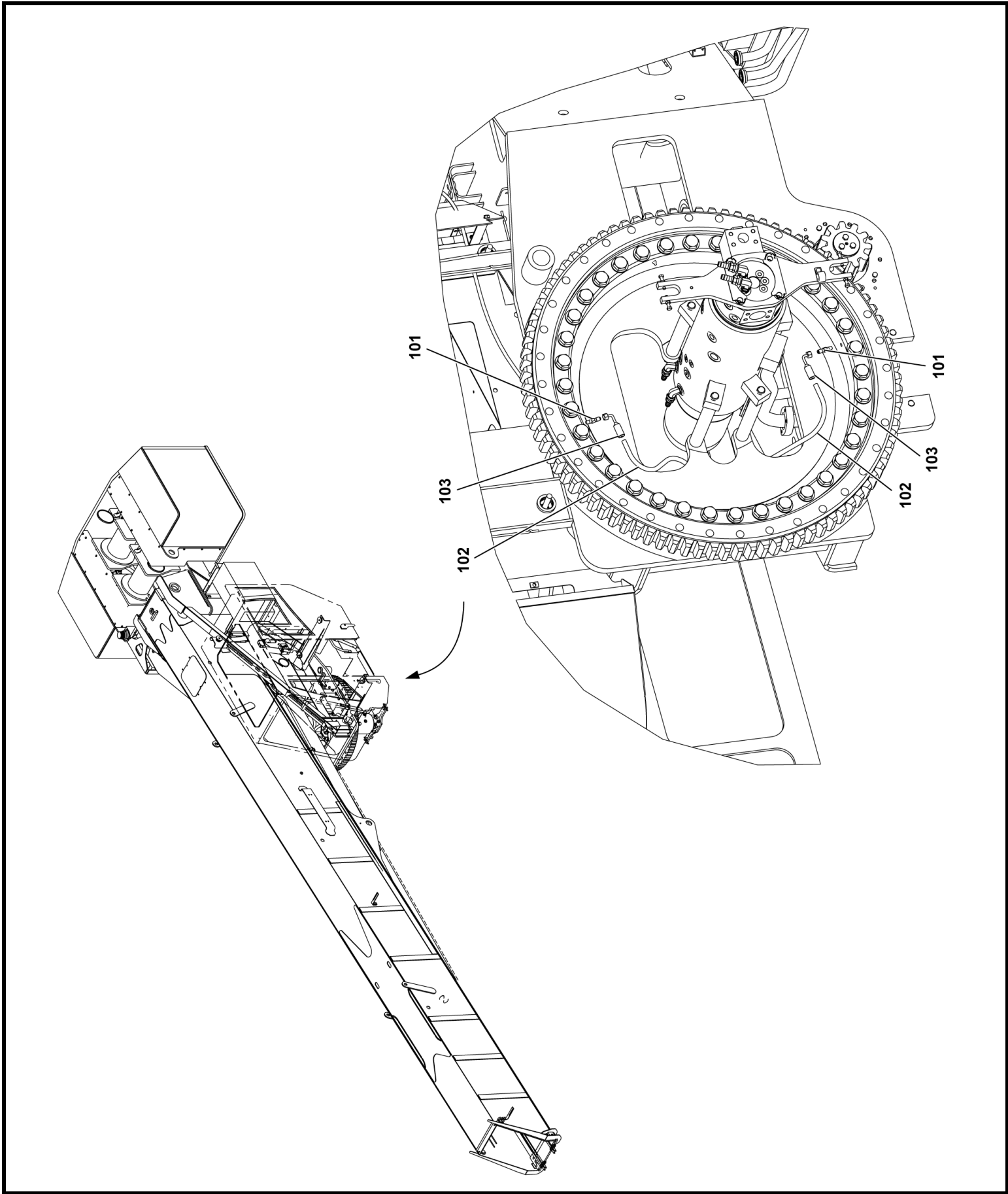
HARNESS ASSEMBLY-SUPERSTRUCTURE

Assembly No.

80020029

Revision: #

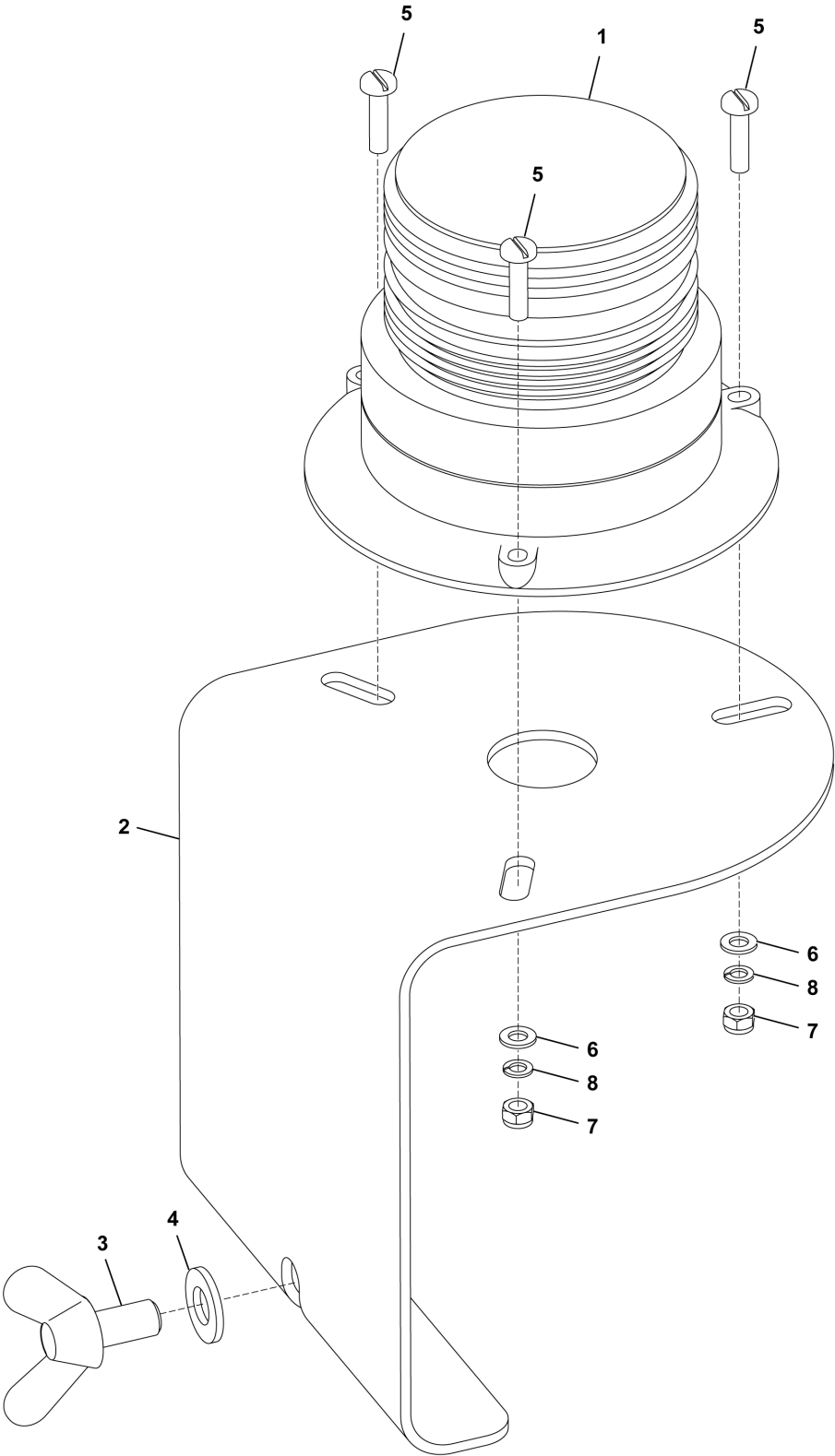
Item	FN	Part	Qty	Description
62		7709000883	1	PLUG 6 SOCKET
63		7172000551	1	BOOT
64		7709100895	4	PLUG, 4 SOCKET
65		7172000567	2	BOOT, CONNECTOR
66		7826100018	12	SOCKET, 20 GAUGE GOLD
67		7892100039	2	RECEPTACLE, DTM04-4P
68		8594000003	2	FLEXGUARD - .625" I.D. (QUANTITY IN FEET)
70		7364001683	1	CONNECTOR, 2 CONDUCTOR SHROUD
71		7364001846	2	TERMINAL
72		7892100025	1	DEUTSCH DTP 2-PASS RECEPTACLE
73		7689000797	1	PIN 12 AWG
74		7892000256	2	TERMINAL, BLUE CABLE SEAL
75		7709000936	2	PLUG, 4 SOCKET
76		7172000567	1	BOOT, CONNECTOR
77		7892001051	2	RECEPTACLE, 4 PIN
78		7689001782	4	PIN, 18 - 16 GAGE



Manitowoc Cranes

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Manitowoc Cranes



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Description

LIGHT INSTALLATION - STROBE

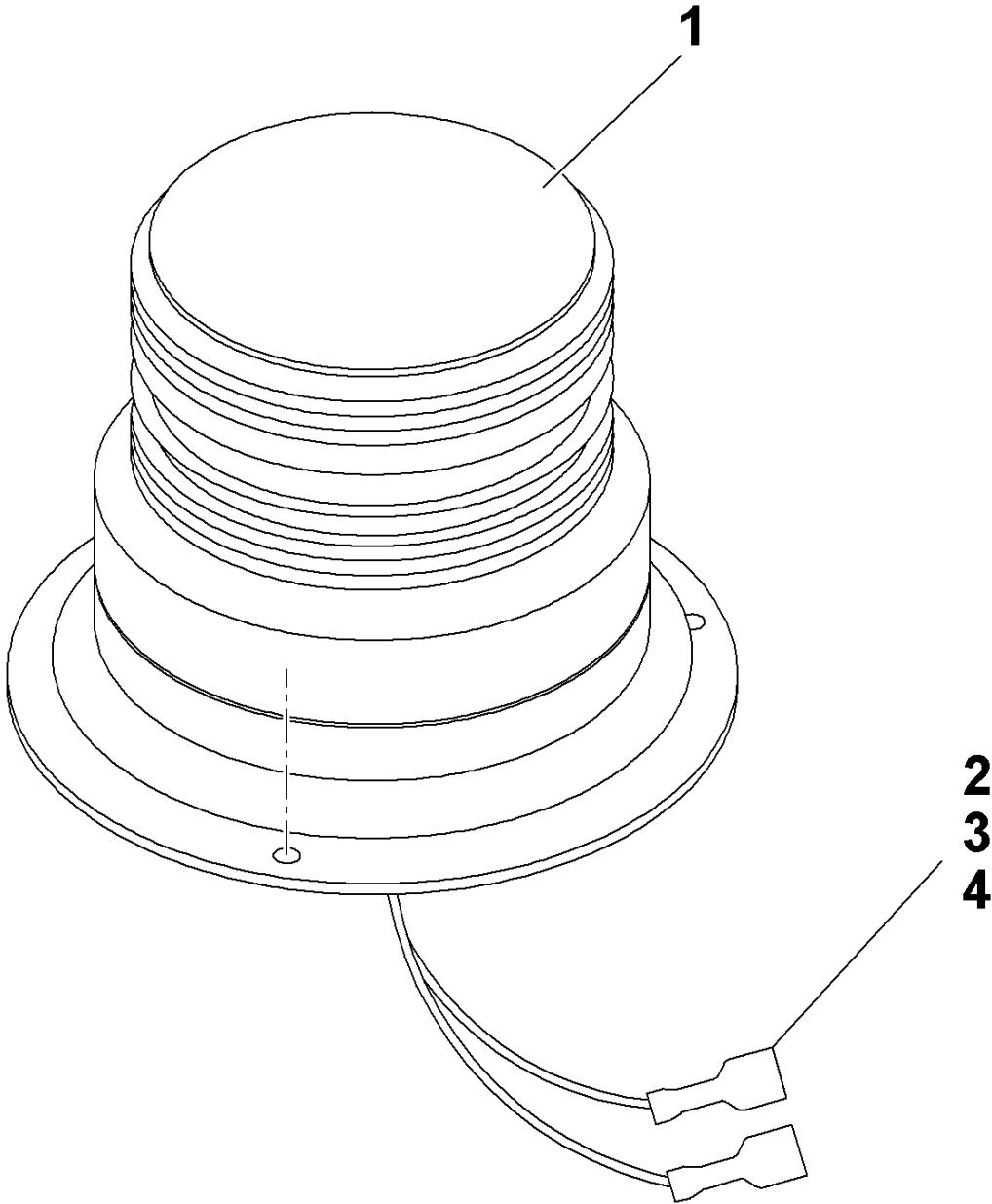
Assembly No.

2159210134

Revision: **B**

Item	FN	Part	Qty	Description
1	+	6581100074	1	LIGHT ASSEMBLY - MODIFIED STROBE (COMPLETE ASSEMBLY)
2		4159210126	1	BRACKET, STROBE LIGHT
3		7099100054	1	SCREW, M10X20 DIN 316 WING
4		7951190014	1	FLAT WASHER, 10MM I.D.
5		7126131250	3	CAP SCREW, M5 X 25MM HEX HEAD
6		7950100141	3	WASHER, FLAT, #10
7		7661130003	3	NUT, HEX 5MM
8		7951130210	3	LOCKWASHER, 5MM I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

LIGHT ASSEMBLY - MODIFIED STROBE (COMPLETE ASSEMBLY)

Assembly No.

6581100074

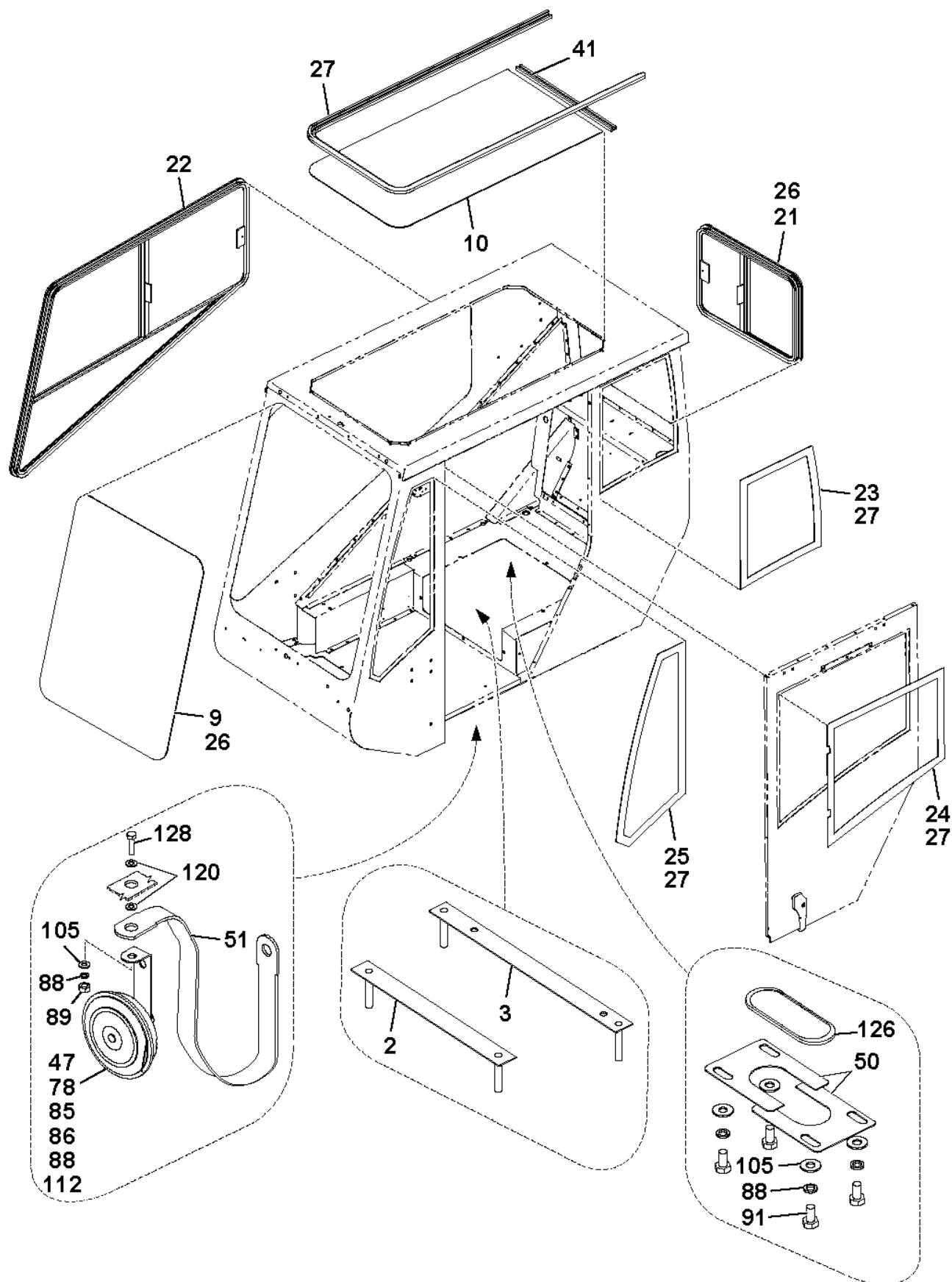
Revision: **A**

Item	FN	Part	Qty	Description
1		7581100000	1	LIGHT, STROBE INCLUDES THE FOLLOWING PARTS
		9581100389	1	TUBE,STROBE
		9581100390	1	LENS, AMBER
2		7892000836	1	RECEPTACLE, 2 PIN
3		7172000546	1	BOOT
4		7689000704	2	PIN, 16 - 14 GA
5		8594000019	1	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Notes

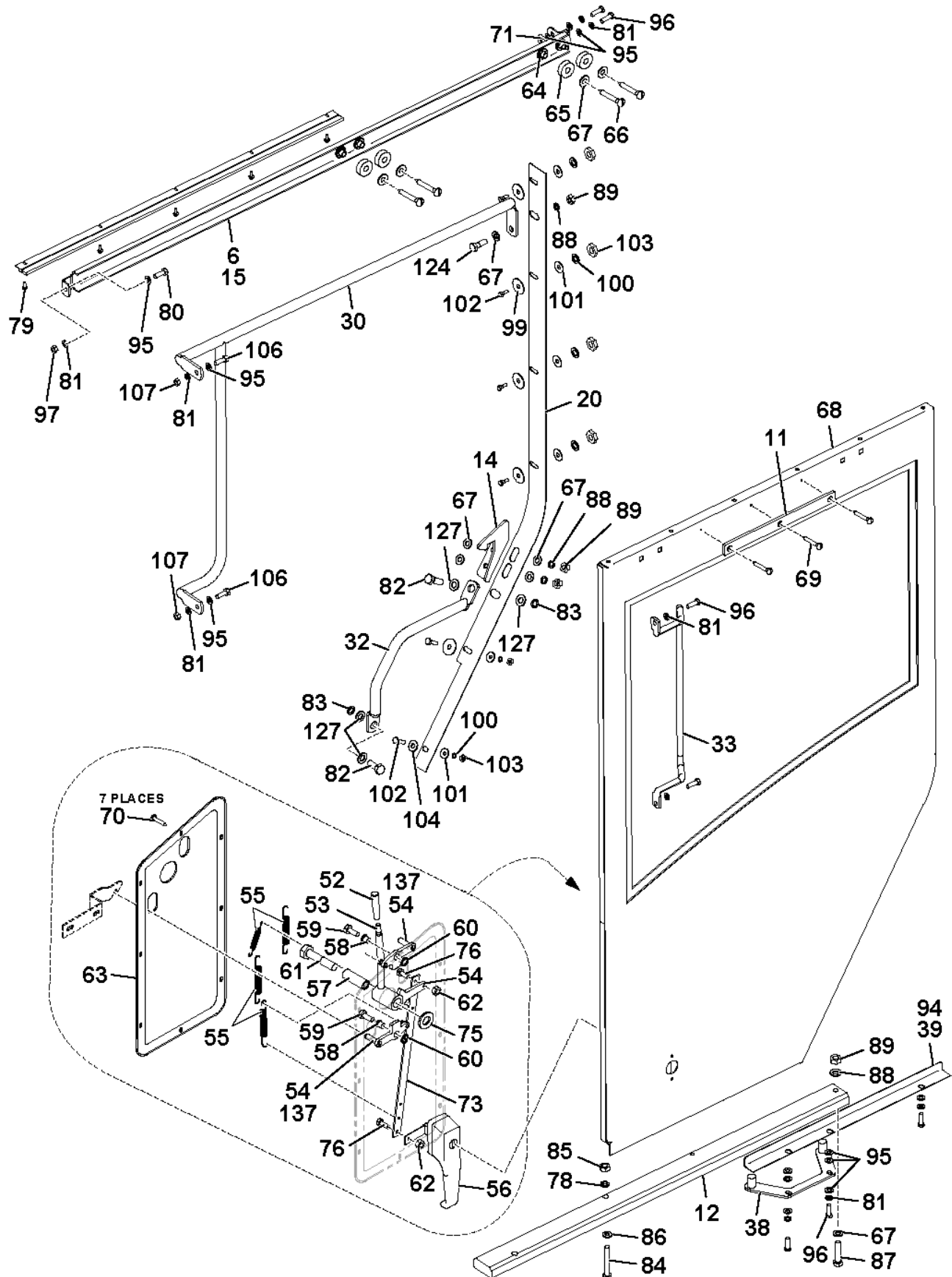
Manitowoc Cranes



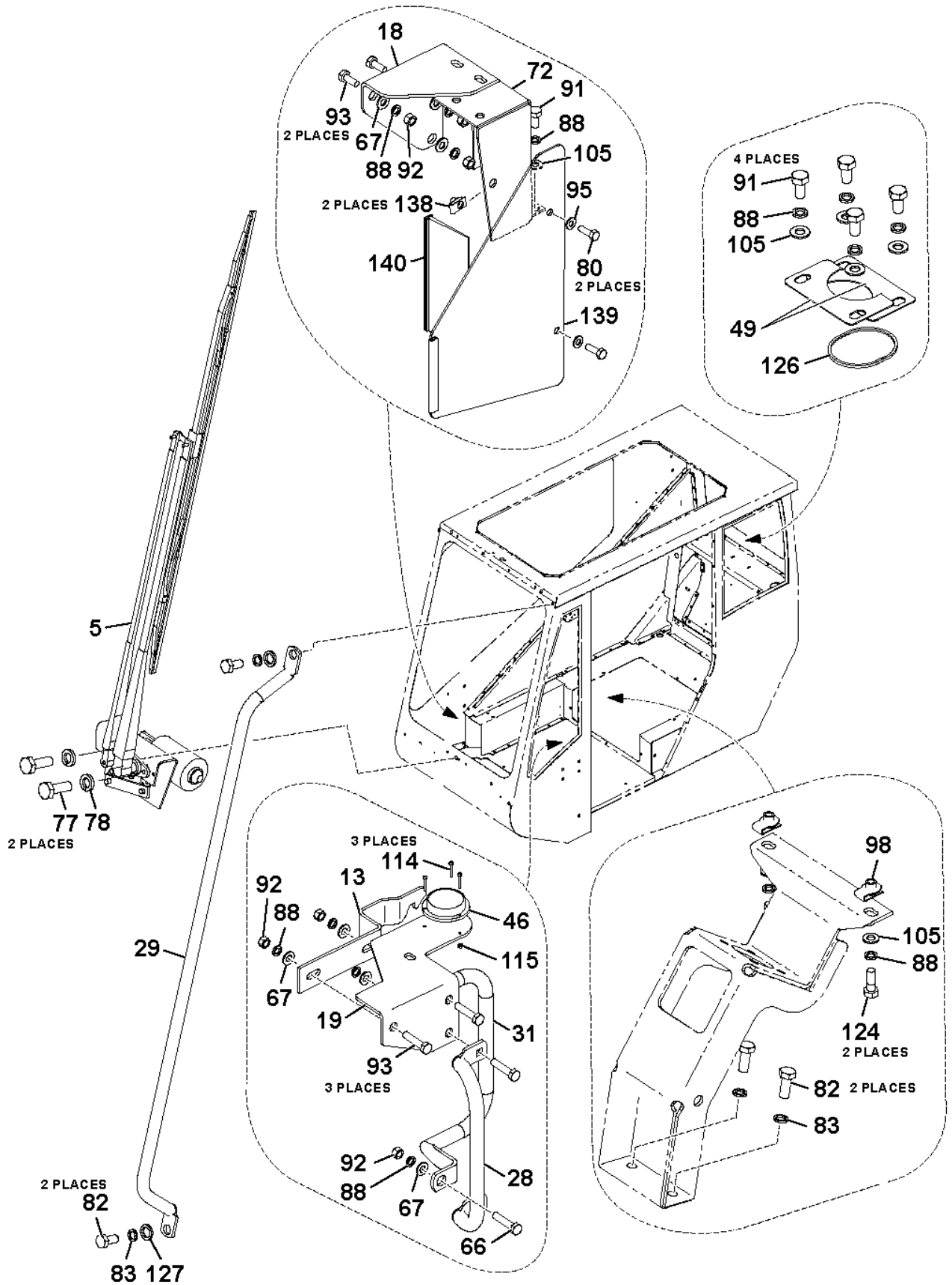
6245101147

(SHEET 4 OF 4)

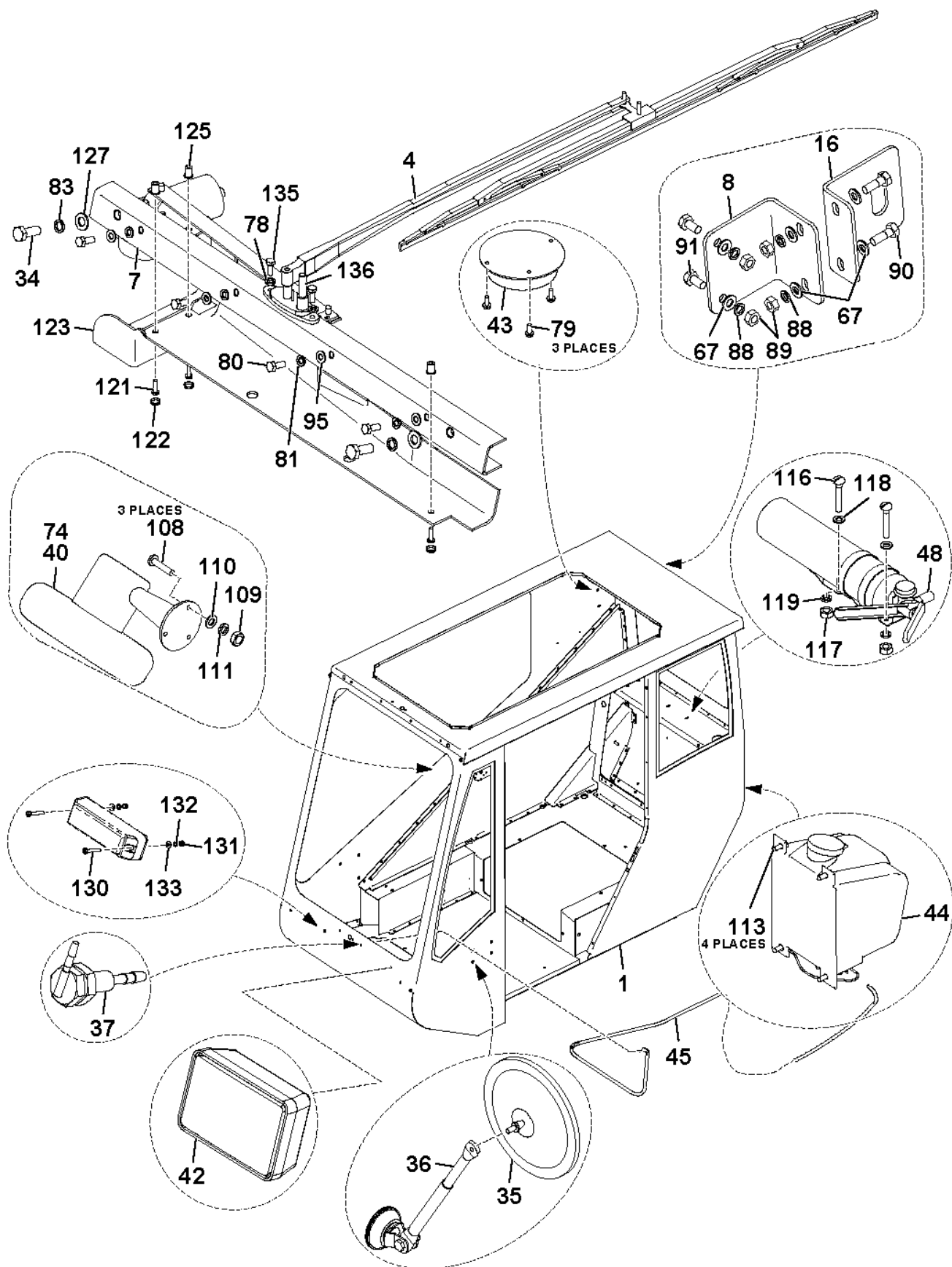
Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description CAB ASSEMBLY				Assembly No. 6245101147 Revision: E
Item	FN	Part	Qty	Description
1	+	6245101145	1	CAB
2		6705170886	1	PLATE, MOUNTING
3		6705012439	1	PLATE, MOUNTING
4	+	7576134398	1	KIT - SKYLIGHT WIPER (COMPLETE ASSEMBLY)
5	+	7576134397	1	KIT - FRONT WIPER (COMPLETE ASSEMBLY)
6		6860100000	1	SEAL, MODIFIED
7		6245101061	1	CHANNEL
8		6245101030	1	BRACKET, MOUNTING
9		7498100024	1	GLASS, WINDSHIELD
10	+	7498100022	1	SKYLIGHT ASSEMBLY - SLIDING (COMPLETE ASSEMBLY)
11		7086100002	1	BLOCK
12		7086100000	1	BLOCK, SLIDE
13		6585100004	1	CATCH, FRONT LATCH
14		6245101033	1	CATCH, REAR LATCH
15		6245101038	1	CHANNEL, DOOR
16		6245101133	1	BRACKET, MOUNTING
17		6245101005	1	MOUNT, STEERING COLUMN
18		6245101004	1	SUPPORT, CONSOLE
19		6245101002	1	MOUNT, BRACKET LEVEL
20		6245101036	1	JAMB, REAR DOOR
21	+	7498000897	1	WINDOW ASSEMBLY - REAR (COMPLETE ASSEMBLY)
22	+	7498100028	1	WINDOW ASSEMBLY - RIGHT HAND (COMPLETE ASSEMBLY)
23		7498100026	1	GLASS, LEFT REAR
24		7498100025	1	GLASS, SLIDING DOOR
25		7498100027	1	GLASS, LEFT FRONT
26		8496900043	13	MOULDING (QUANTITY IN FEET)
27		6829015131	1	SEALANT, ADHESIVE
28		7511100046	1	HANDRAIL, GRAB
29		7511001140	1	HANDRAIL, GRAB
30		7511001139	1	HANDRAIL, GRAB

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description CAB ASSEMBLY				Assembly No. 6245101147 Revision: E
Item	FN	Part	Qty	Description
31		7511100048	1	HANDRAIL, GRAB
32		7511100047	1	HANDRAIL, GRAB
33		7511001255	1	HANDLE, GRAB
34		7126211150	4	CAP SCREW, M12 X 20MM HEX HEAD
35		7628000025	1	MIRROR, 8" CONVEX INCLUDES MOUNTING HARDWARE
36	#	7184001014	1	BRACKET, MIRROR ARM INCLUDES MOUNTING HARDWARE
37		7949001149	1	FITTING, WASHER NOZZLE
38		6705100026	1	PLATE, MOUNTING
39		6245101034	1	ANGLE
40	+	7425100015	1	FAN ASSEMBLY - 12 VOLT CAB (COMPLETE ASSEMBLY)
41		8496980002	12	MOULDING (QUANTITY IN FEET)
42		7581100001	1	LIGHT, WORK INCLUDES THE FOLLOWING PARTS
		9581100391	1	BEAM, SEALED 12 VOLT
43		7581000186	1	LIGHT, DOME INCLUDES THE FOLLOWING PARTS
		9581100048	1	BULB
		9581100058	1	LENS, MOONSTONE
44	#	7576000320	1	PUMP ASSY, CANISTER
45		9543100045	1	HOSE ASSY, USE AS REQUIRED 25' PC. (MUST CUT TO LENGTH NEEDED)
46		7486000225	1	LEVEL, CIRCULAR
47		7025100013	1	HORN
48		7348000667	1	EXTINGUISHER, FIRE INCLUDES THE FOLLOWING PARTS
		7348000669	1	BRACKET
49		6705016902	2	PLATE, COVER
50		6245101104	2	PLATE, COVER
51		7850000046	1	STRAP, GROUND
52		7511000161	1	HANDLE, TAPERED
53		7585000720	1	HANDLE, LATCH
54		6608001308	2	LUG
55		7834100003	4	SPRING

SERVICED AS AN ASSEMBLY ONLY

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description CAB ASSEMBLY				Assembly No. 6245101147 Revision: E
Item	FN	Part	Qty	Description
56		6511100009	1	HANDLE, DOOR (MODIFIED)
		9576101074	1	INCLUDES THE FOLLOWING PARTS KEY
57		6810002810	1	SHAFT
58		7069001045	2	BEARING
59		7115160750	2	CAP SCREW, 3/8" - 16 N.C. X 7/8" GRADE 5
60		7949000623	2	WASHER, BLACK PLASTIC
61		7115182250	1	CAP SCREW, 1/2" - 13 N.C. X 2 3/4" GRADE 5
62		7660141601	2	NUT, 1/4-20UNC HEX LOCK
63		7392100011	1	PANEL, INNER DOOR
64		7659000796	4	NUT
65		7069000516	4	BEARING
66		7111161264	8	BOLT, CARRIAGE 3/8" - 16 N.C. X 1 1/2" GRADE 1
67		7951190014	19	FLAT WASHER, 10MM I.D.
68		6245101144	1	DOOR WELDMENT, CAB
69		7790100871	3	SCREW, SELF-TAPPING 3/16" - 24 N.C. X 1/2" GRADE 1
70		7790140853	8	SCREW, SELF-TAPPING 1/4" - 20 N.C. X 1/2"
71		6705100083	1	PLATE, TAP
72		6245101009	1	PLATE, RIGHT HAND CONSOLE
73		6245100273	1	BAR, LATCH
74		7506000001	1	GROMMET .38" I.D.
75		7950180141	1	WASHER, FLAT 1/2"
76		7115140650	2	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
77		7105140650	4	CAP SCREW, 1/4" -28 N.F. X 3/4" GRADE 5
78		7951150210	7	LOCKWASHER, 6MM I.D.

Manitowoc Cranes

Description CAB ASSEMBLY				Assembly No. 6245101147 Revision: E
Item	FN	Part	Qty	Description
79	#	7790100853	5	SCREW, SELF-TAPPING 3/16" - 24 N.C. X 1/2"
80		7126171250	5	CAP SCREW, M8X25 HEX HEAD
81		7951170210	16	WASHER, LOCK 8MM
82		7126211353	6	CAP SCREW, M12 X 30 HEX HEAD
83		7951210210	10	LOCK WASHER, 12MM I.D.
84		7126151650	1	CAP SCREW, M6 X 45MM HEX HEAD
85		7661150003	1	NUT, HEX
86		7951150014	2	WASHER, 6MM I.D.
87		7126191750	1	CAP SCREW, M10 X 50MM HEX HEAD
88		7951190210	28	LOCK WASHER, 10MM
89		7661190003	9	NUT, HEX 10MM
90		7126191450	2	CAP SCREW, M10 X 35MM HEX HEAD
91		7126191153	16	CAP SCREW, M10 X 20 HEX HEAD
92		7660160000	7	NUT, HEX 3/8" - 16 N.C.
93		7111161064	5	BOLT, CARRIAGE 3/8" - 16 N.C. X 1 1/4" GRADE 1
94		8496900046	21	MOULDING
95		7951170014	15	WASHER, FLAT #8
96		7115150850	7	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 5
97		7661170003	1	NUT
98		7659190033	2	NUT, RETAINING
99		7949000615	6	WASHER,
100		7950100050	6	WASHER, LOCK #10
101		7949001165	6	WASHER, FINISHED
102		7099000154	6	SCREW, CABINET
103		7660101130	6	NUT, HEX 3/16" - 32 N.F. GRADE 1
104		7950100141	6	WASHER, FLAT, #10
105		7951190014	9	FLAT WASHER, 10MM I.D.
106		7111150864	2	BOLT, CARRIAGE 5/16" - 18 N.C. X 1/2" GRADE 1

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description CAB ASSEMBLY				Assembly No. 6245101147 Revision: E
Item	FN	Part	Qty	Description
107		7660150008	2	NUT, HEX 5/16" - 18 N.C. GRADE 8
108		7121111101	3	MACHINE SCREW, M4X20 SLOTTED
109		7661110003	3	NUT, HEX 4 MM N.C.
110		7951110014	3	WASHER, 4MM I.D.
111		7951110210	3	LOCKWASHER, 4MM I.D.
112		7126151153	1	CAP SCREW, M6X20 HEX HEAD
113		7790140853	4	SCREW, SELF-TAPPING 1/4" - 20 N.C. X 1/2"
114		7111040610	3	SCREW, MACHINE 7/64" - 40 N.C. X 3/4" GRADE 1
115		7660041100	3	NUT, HEX 7/64" - 40 N.C. GRADE 1
116		7121131101	2	MACHINE SCREW, M5X20 SLOTTED
117		7661130003	2	NUT, HEX 5MM
118		7951130014	2	WASHER, FLAT M5 I.D.
119		7951130210	2	LOCKWASHER, 5MM I.D.
120		7950160350	2	WASHER, LOCK 3/8" I.D.
121		7101100611	3	SCREW, MACHINE 3/16" - 32 N.F. X 3/4" GRADE 1
122		7258001452	3	CAP #8
123		7245100073	1	COVER, WIPER MOTOR
124		7126191353	3	CAP SCREW, M10 X 30MM HEX HEAD
125		7429000011	3	FASTENER, WELL-NUT
126		8246964300	2	MOULDING (QUANTITY IN FEET)
127		7951210014	10	WASHER, FLAT #12
128		7126191253	3	CAP SCREW, M10 X 25 HEX HEAD
129		7661210003	2	NUT, HEX 12MM N.C.
130		7121110801	3	MACHINE SCREW, M4X12 SLOTTED
131		7661110003	3	NUT, HEX 4 MM N.C.

Manitowoc Cranes

Description

CAB ASSEMBLY

Assembly No.

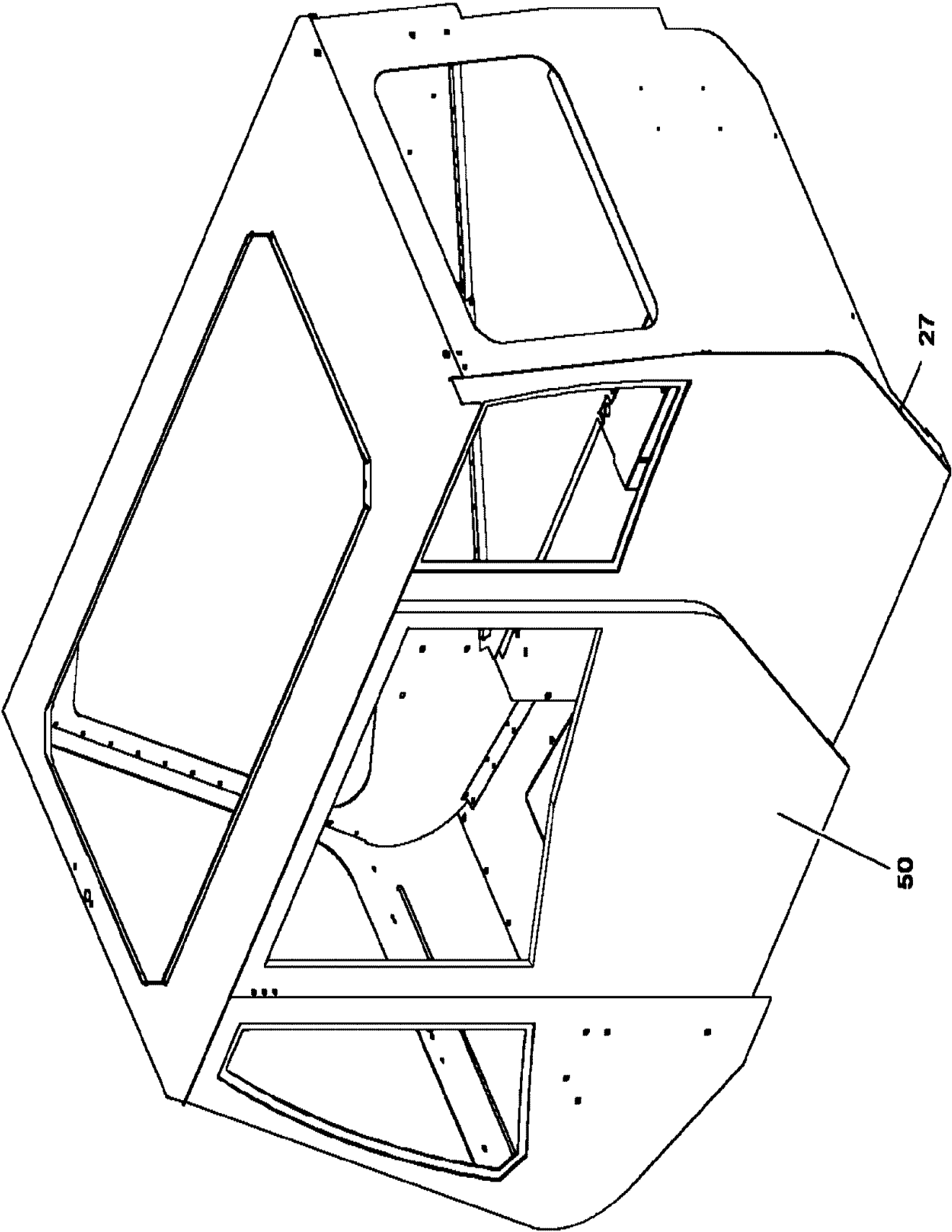
6245101147

Revision: **E**

Item	FN	Part	Qty	Description
132		7951110210	3	LOCKWASHER, 4MM I.D.
133		7951110014	3	WASHER, 4MM I.D.
135		7105141250	3	1/4" - 28 NF X 1 1/2" GRADE 5
136		7086100144	1	BLOCK, SPACER
137		7822100002	2	SLEEVE, RED VINYL
138		7659190020	2	NUT, RETAINING 8 X 1.25
139		6245101201	1	PLATE, KICK
140		8637052011	1	MOULDING, TRIM LOCK

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

CAB

Assembly No.

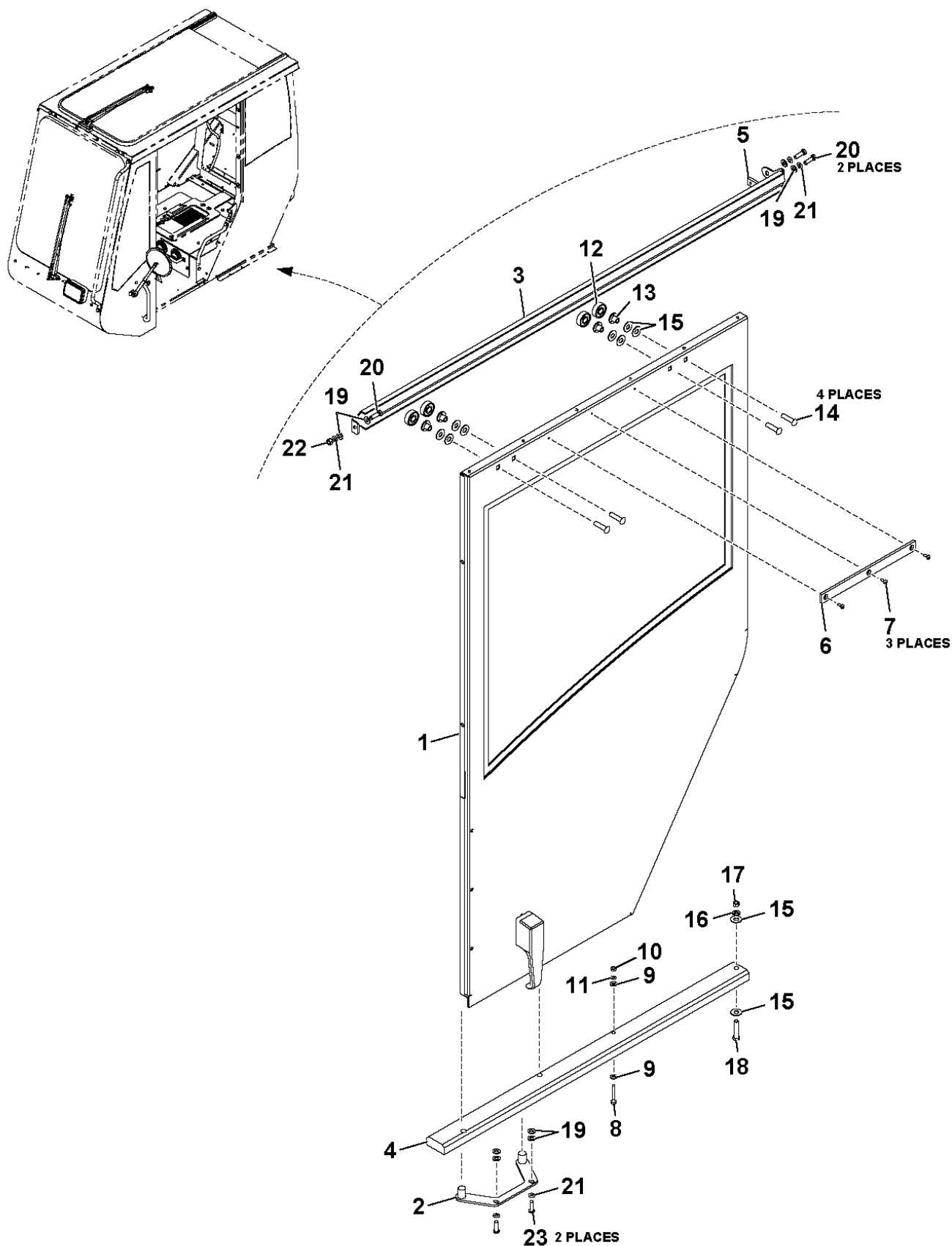
6245101145

Revision: **B**

Item	FN	Part	Qty	Description
27		7115161250	1	CAP SCREW, 3/8" - 16 N.C. X 1 1/2" GRADE 5
50	+	6245101159	1	DOOR INSTALLATION - CAB (NOT AVAILABLE AS ASSEMBLY)

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

DOOR INSTALLATION - CAB (NOT AVAILABLE AS ASSEMBLY)

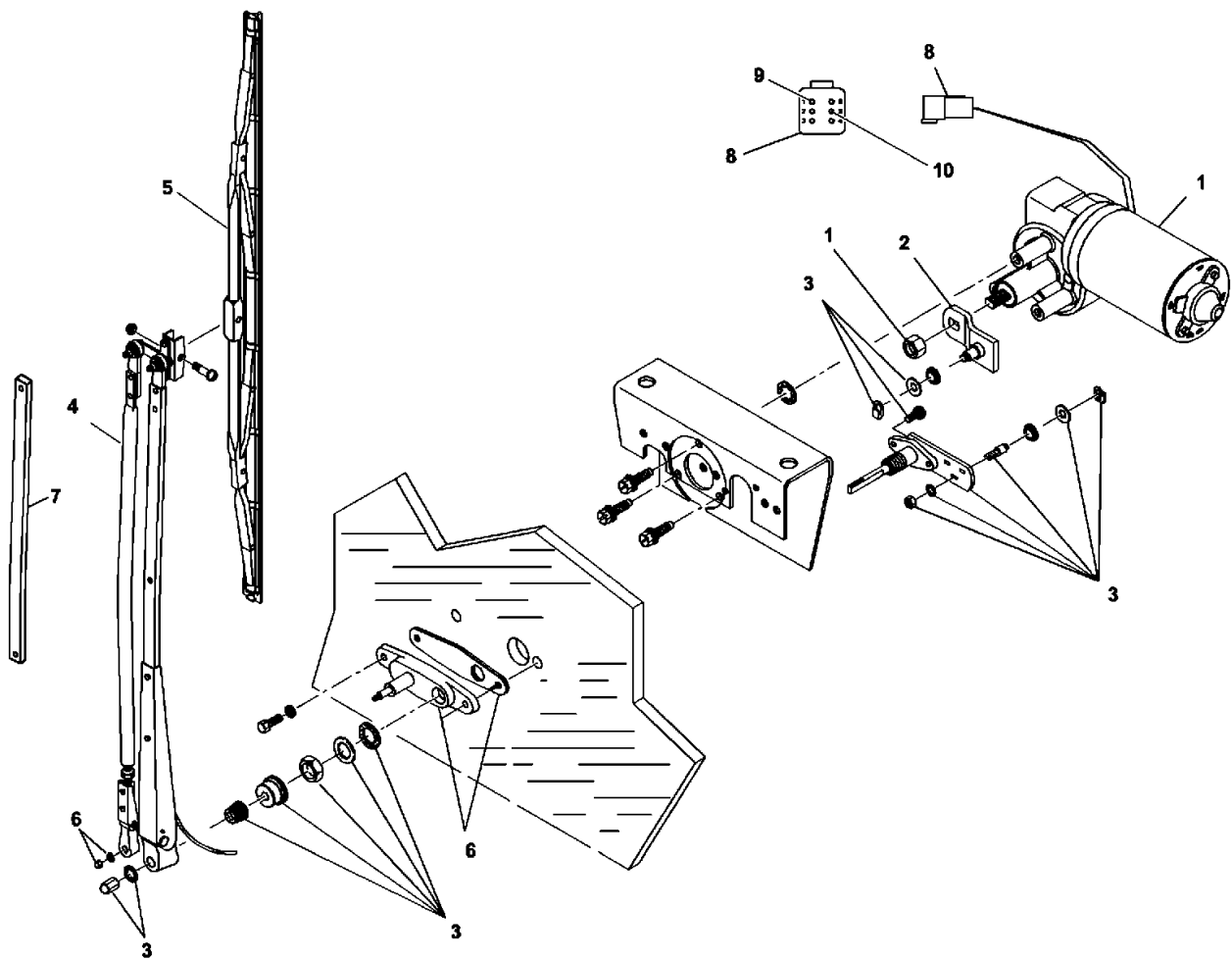
Assembly No.

6245101159

Revision: **B**

Item	FN	Part	Qty	Description
1		6245101144	1	DOOR WELDMENT, CAB
2		6705100026	1	PLATE, MOUNTING
3		6245101038	1	CHANNEL, DOOR
4		7086100000	1	BLOCK, SLIDE
5		6705100083	1	PLATE, TAP
6		7086100002	1	BLOCK
7		7790100871	3	SCREW, SELF-TAPPING 3/16" - 24 N.C. X 1/2" GRADE 1
8		7115141450	1	CAP SCREW, 1/4-20UNC X 1 3/4
9		7950140141	1	WASHER, FLAT 1/4" PLAIN NARROW
10		7660140000	1	NUT, HEX 1/4" - 20 N.C.
11		7950140050	1	WASHER, LOCK 1/4"
12		7069000516	4	BEARING
13		7659000796	4	NUT
14		7111161264	4	BOLT, CARRIAGE 3/8" - 16 N.C. X 1 1/2" GRADE 1
15		7950160161	9	WASHER, FLAT WIDE 3/8
16		7950160050	1	WASHER, LOCK 3/8" I.D.
17		7660160000	1	NUT, HEX 3/8" - 16 N.C.
18		7115161450	1	CAP SCREW, 3/8" - 16 N.C. X 1 3/4" GRADE 5
19		7950150141	11	WASHER, FLAT 5/16"
20		7115150850	3	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 5
21		7950150050	5	WASHER, LOCK 5/16" I.D.
22		7660150008	1	NUT, HEX 5/16" - 18 N.C. GRADE 8
23		7110150818	2	CAP SCREW, 5/16" - 18 N.C. X 1" GRADE 1

Manitowoc Cranes



Manitowoc Cranes

Description

KIT - SKYLIGHT WIPER (COMPLETE ASSEMBLY)

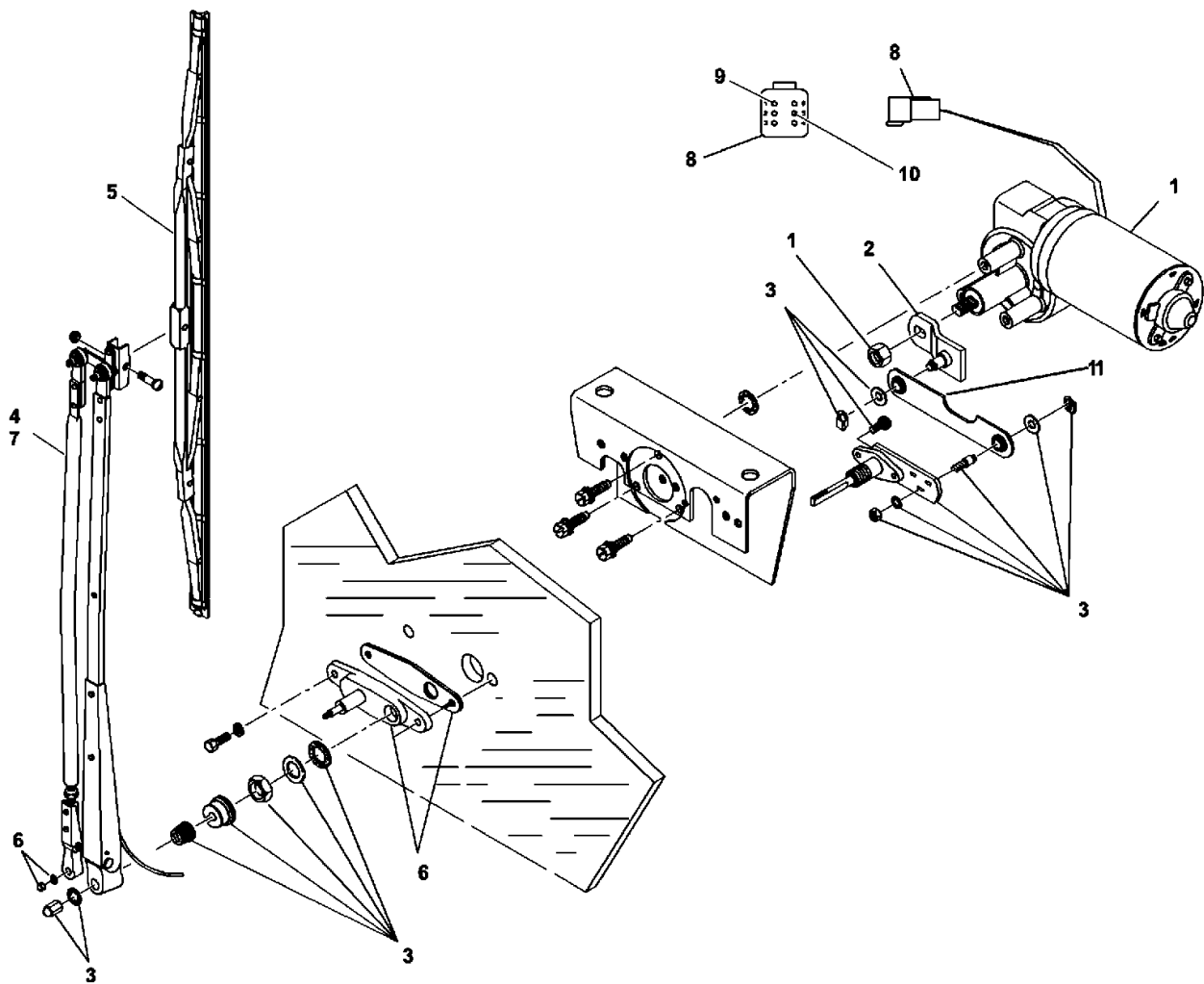
Assembly No.

7576134398

Revision:

Item	FN	Part	Qty	Description
1		9576101343	1	KIT, MOTOR WITH HARDWARE AND BRACKET (12 VOLT)
2		9576101405	1	ARM, DRIVE 60 DEG
3		9576101345	1	SHAFT, PIVOT
4		9576101406	1	ARM, WIPER 24"
5		9576101347	1	BLADE, WIPER 34"
6		9576101348	1	ADAPTER
7		9576101404	1	BAR, LINK 14.64"
8		7892000824	1	RECEPTACLE, 6 PIN
9		7689000704	5	PIN, 16 - 14 GA
10		7689000503	1	PLUG, SEALING 16 - 12 AWG
11		7601000044	1	LINK, CONNECTING

Manitowoc Cranes



Manitowoc Cranes

Description

KIT - FRONT WIPER (COMPLETE ASSEMBLY)

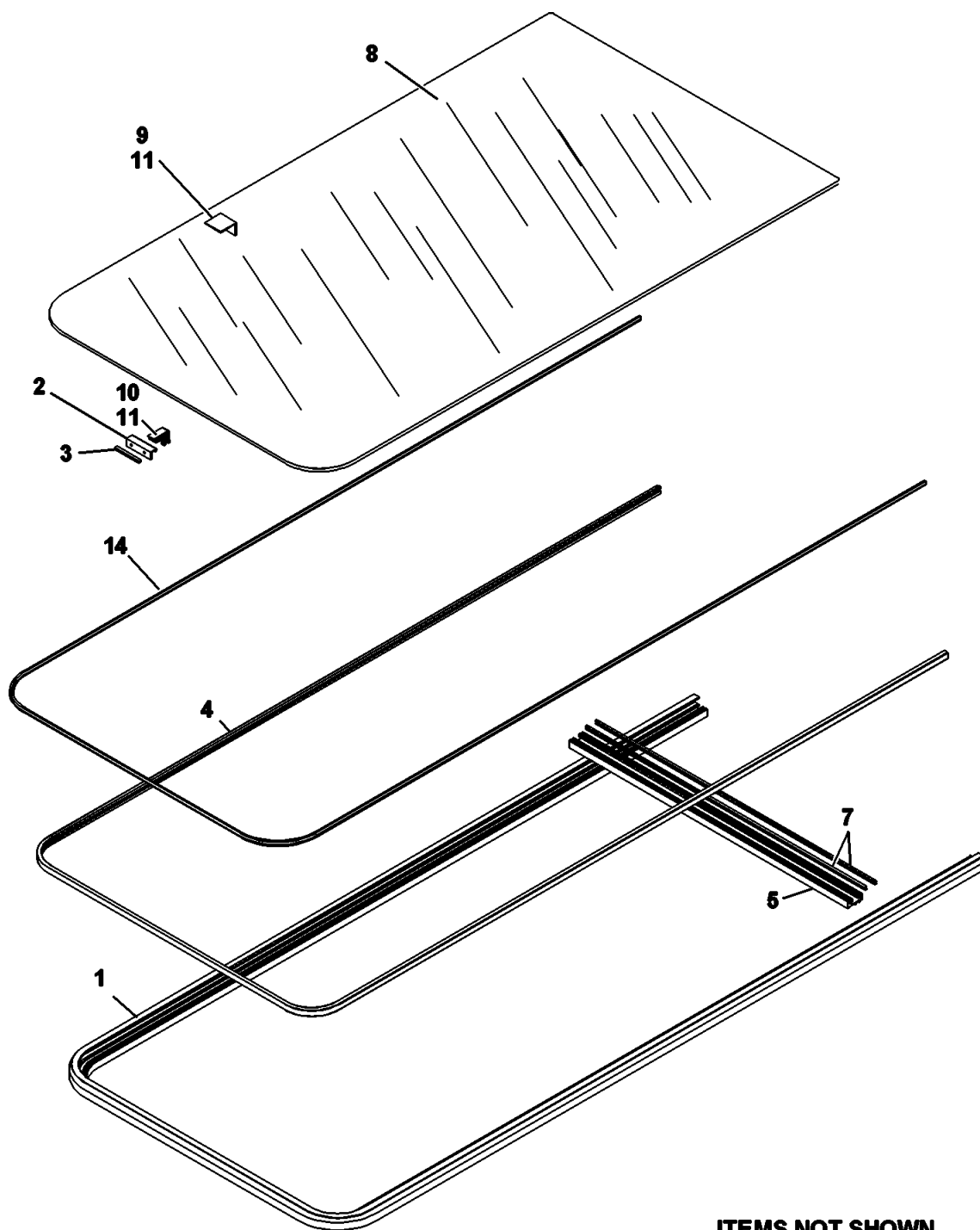
Assembly No.

7576134397

Revision:

Item	FN	Part	Qty	Description
1		9576101343	1	KIT, MOTOR WITH HARDWARE AND BRACKET (12 VOLT)
2		9576101405	1	ARM, DRIVE 60 DEG
3		9576101345	1	SHAFT, PIVOT
4		9576101406	1	ARM, WIPER 24"
5		9576101347	1	BLADE, WIPER 34"
6		9576101348	1	ADAPTER
7		9576101349	1	KIT, WET
8		7892000824	1	RECEPTACLE, 6 PIN
9		7689000704	5	PIN, 16 - 14 GA
10		7689000503	1	PLUG, SEALING 16 - 12 AWG

Manitowoc Cranes



ITEMS NOT SHOWN
NBR 12 LOCTITE
NBR 13 BUTYL, LIQUID
NBR 15 LOCK, LOTITE SCREW
NBR 20 KIT, SERVICE

Manitowoc Cranes

Description

SKYLIGHT ASSEMBLY - SLIDING (COMPLETE ASSEMBLY)

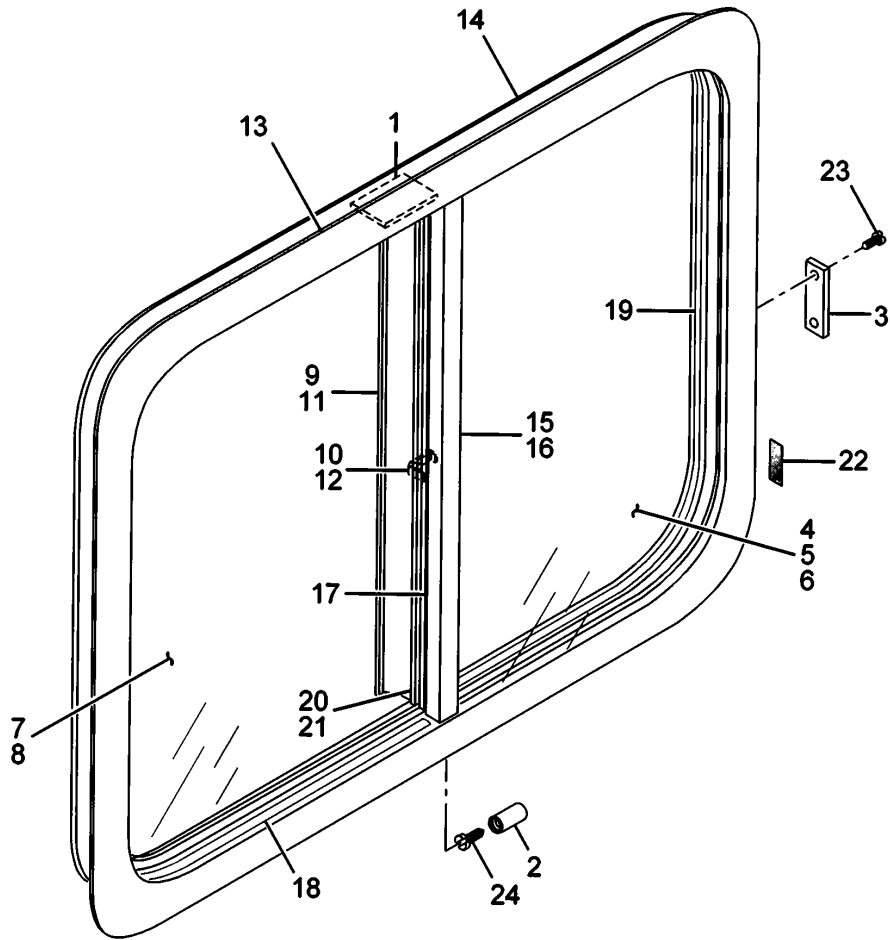
Assembly No.

7498100022

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	FRAME ASSY.
2		7585000790	1	CATCH
3		7786000539	2	SCREW, CATCH
4		7794001721	1	RUBBER, FLOCKED 154" LONG
5		7714000585	1	EXTENSION, CENTER POST
6		7786000537	2	SCREW, CENTER POST
7		9498100339	1	WEATHERSEAL REQUIRES 52"
8	*	7498000919	1	GLASS
9	*	7846000680	1	STOP, SLIDE
10	*	7585000789	1	LOCK
11	*	9498100360	1	ADHESIVE USE AS NEEDED
12		NSS	1	LOCTITE
13		NSS	1	BUTYL, LIQUID
14		9498100337	1	WEATHERSEAL REQUIRES 152"
15		NSS	0	LOCK, LOCTITE SCREW
20	*	7576001696	1	KIT, SERVICE

* REPAIR KIT AND/OR PART OF KIT



Manitowoc Cranes

Description

WINDOW ASSEMBLY - REAR (COMPLETE ASSEMBLY)

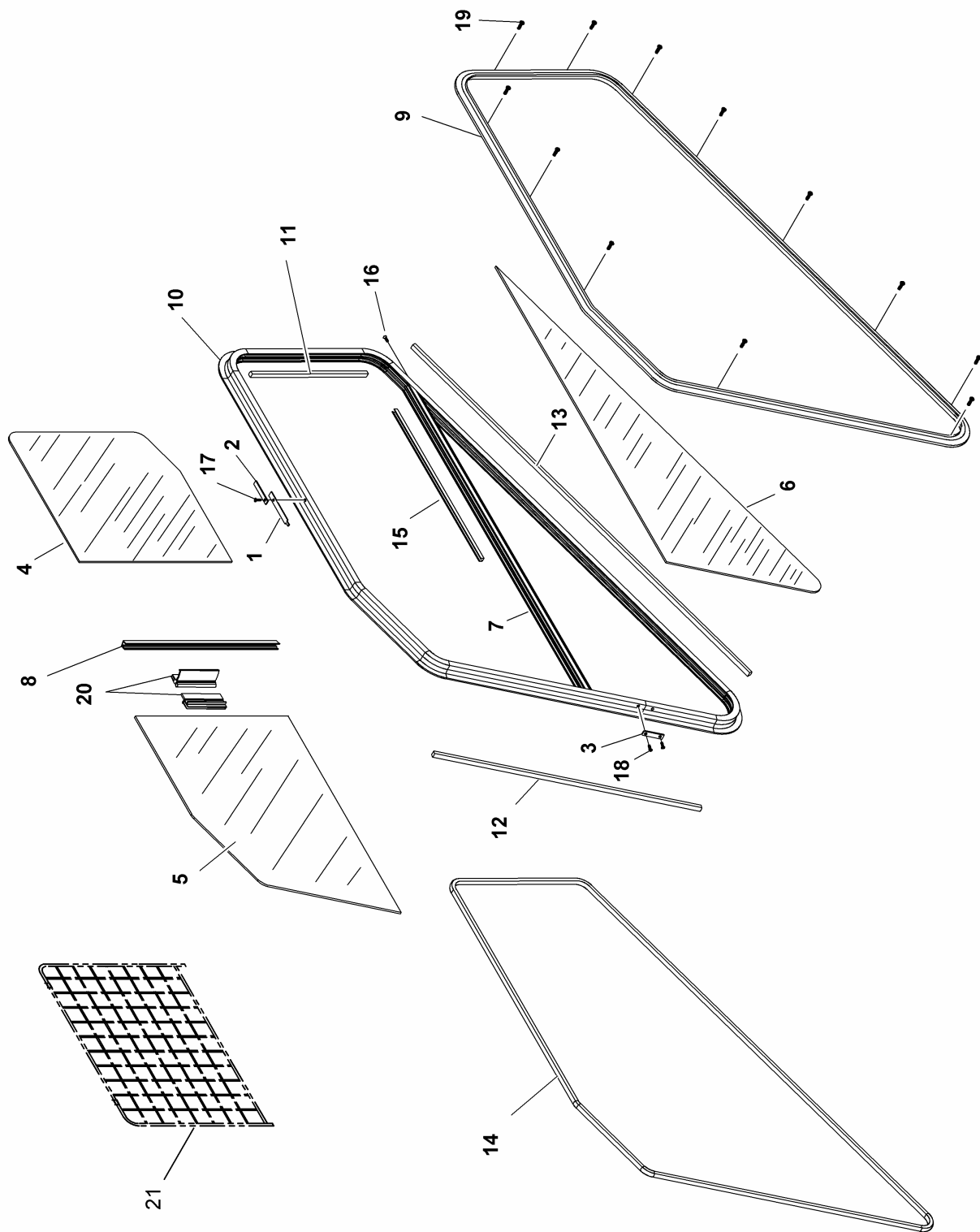
Assembly No.

7498000897

Revision:

Item	FN	Part	Qty	Description
1		9498100145	2	BRACKET, RAIL
2		9498100121	2	RETAINER, KEEPER
3		9498100122	1	NUT
4		9498100191	1	GLASS ASSEMBLY INCLUDES NBRS 5-6
5		9498100192	1	GLASS
6		9498100193	1	GLAZING, PVC
7		9498100194	1	GLASS ASSEMBLY INCLUDES NBRS 8 - 12
8		9498100195	1	GLASS
9		9498100196	1	RAIL
10		9498100156	1	SPRING
11		NSS	1	RAIL, LOCK PART OF NBR 7
12		9498100155	1	LOCK
13		9498100197	1	FRAME
14		9498100198	1	INNER LINER
15		9498100199	1	RAIL INCLUDES NBRS 16-17
16		NSS	1	RAIL, KEEPER PART OF NBR 15
17		9498100200	1	SEAL
18		9498100201	1	TRIM
19		9498100202	1	TRIM
20		9498100203	1	CHANNEL
21		9498100204	1	CHANNEL
22		9498100206	1	TAPE
23		9498100135	2	SCREW, 5/32" X 3/8"
24		9498100167	2	SCREW, PLASTIC

Manitowoc Cranes



Manitowoc Cranes

Description

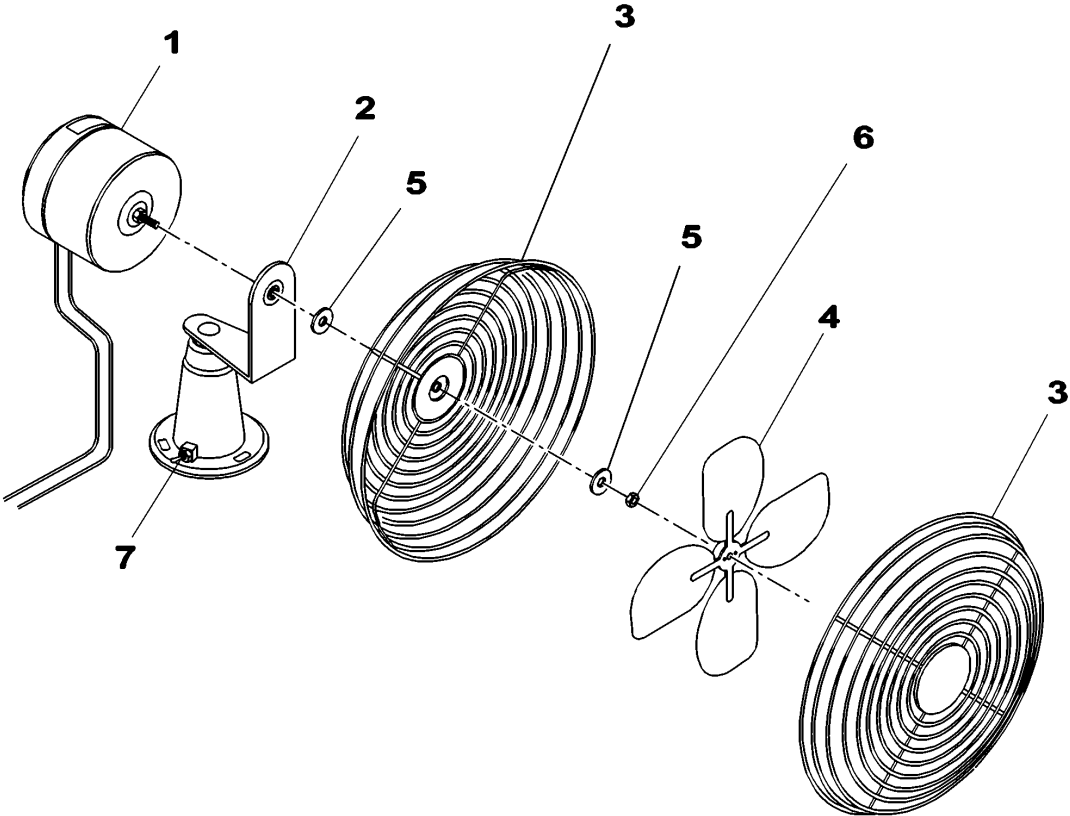
WINDOW ASSEMBLY - RIGHT HAND (COMPLETE ASSEMBLY)

Assembly No.

7498100028

Revision:

Item	FN	Part	Qty	Description
1		9498100387	2	BAR, RETAINER
2		9498100388	2	RETAINER, KEEPER
3		9498100389	1	NUT
4		9498100390	1	GLASS ASSY. INCLUDES ITEM 20
5		9498100391	1	GLASS ASSY.
6		9498100392	1	GLASS ASSY.
7		9498100393	1	MULL, BAR
8		9498100394	1	RAIL ASSY.
9		NSS	1	FRANE, MAIN
10		NSS	1	FRANE, INNER
11		9498100395	1	TRIM, STOP
12		9498100396	1	TRIM, COVER
13		9498100397	1	TRIM, COVER
14		9498100398	1	CHANNEL, RUBBER
15		9498100399	1	CHANNEL, RUBBER
16		9498100400	2	SCREW, #8 X 1"
17		9498100167	2	SCREW, PLASTIC
18		9498100401	2	SCREW, #8 X 3/8"
19		9498100402	13	SCREW
20		9498100155	1	LOCK
21		90017882	1	GUARD, WINDOW



Manitowoc Cranes

Description

FAN ASSEMBLY - 12 VOLT CAB (COMPLETE ASSEMBLY)

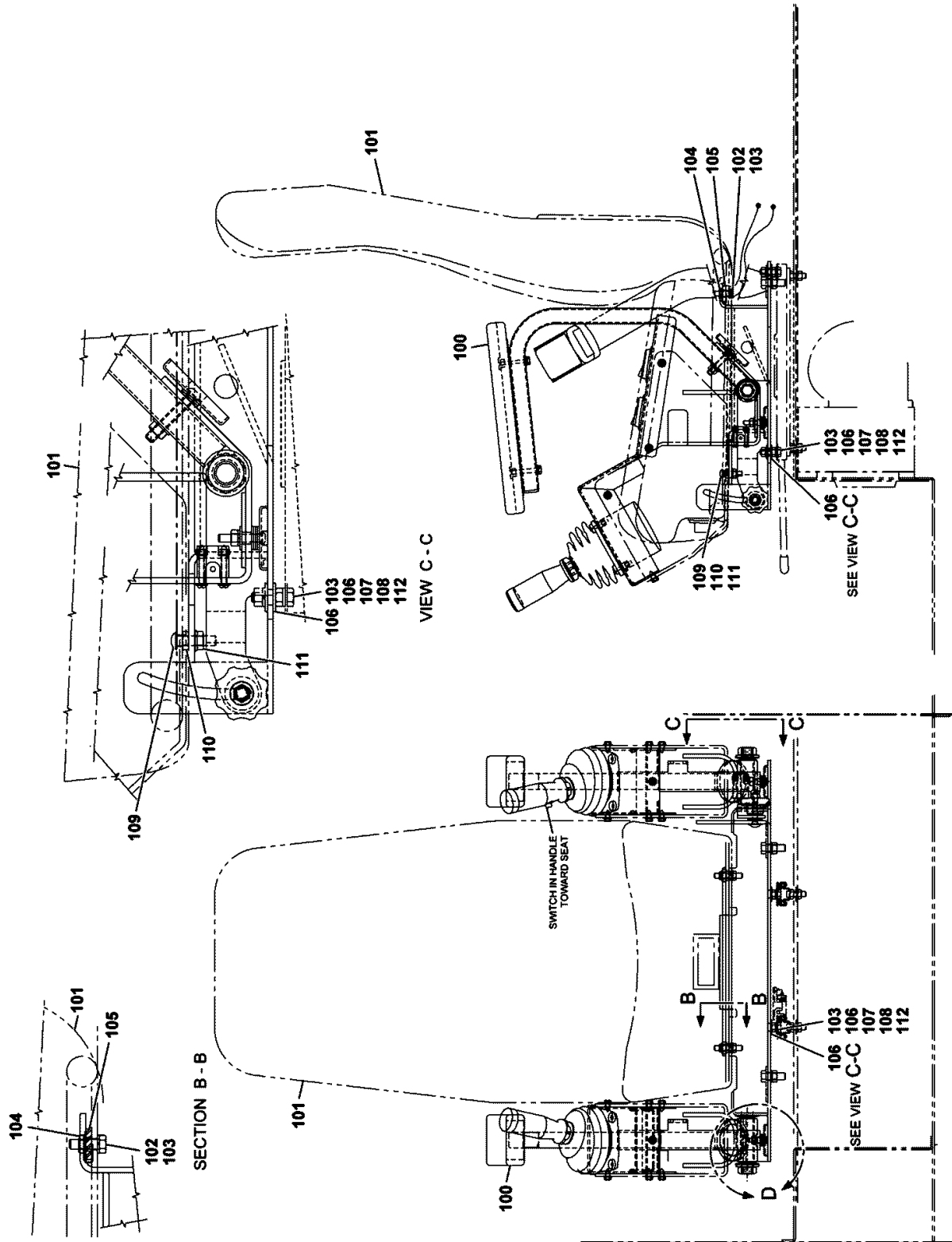
Assembly No.

7425100015

Revision:

Item	FN	Part	Qty	Description
1		9425100077	1	MOTOR ASSY. 12V.
2		NSS	1	HOUSING, BASE
3		9425100078	1	GUARD, FAN
4		NSS	1	BLADE, FAN
5		7950100141	2	WASHER, FLAT, #10
6		7660101630	1	LOCKNUT, HEX GRADE 1
7		9425100079	1	SWITCH ASSY.

Manitowoc Cranes



Manitowoc Cranes

Description

SEAT INSTALLATION - DUAL AXIS CONTROL (WITH AUXILIARY HOIST)

Assembly No.

80003784

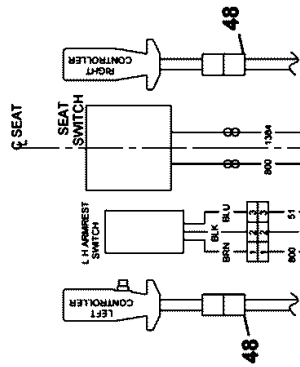
Revision: **A**

Item	FN	Part	Qty	Description
100	+	80003783	1	SEAT ASSEMBLY - DUAL AXIS CONTROL (WITH AUXILIARY HOIST) (NOT AVAILABLE AS ASSEMBLY)
101		7798000843	1	SEAT INCLUDES THE FOLLOWING PARTS
		9798100584	1	KNOB
		7872001408	1	SWITCH, SEAT
		9798100585	1	CONTROL, ADJUST - BACK INCLUDES CABLE
102		7126171253	2	CAP SCREW, M8X25 HEX HEAD
103		7951170210	6	WASHER, LOCK 8MM
104		7659190020	2	NUT, RETAINING 8 X 1.25
105		6184003088	1	BRACKET, SEAT BAR
106		7951170014	8	WASHER, FLAT #8
107		7661170003	8	NUT
108		7126171350	4	CAP SCREW, M8 X 30MM HEX HEAD
109		80014957	2	SHCS M8X35
110		7661171103	2	NUT, HEX 8MM N.C.
111		7661170003	2	NUT
112		7951170580	4	WASHER, SHAKE

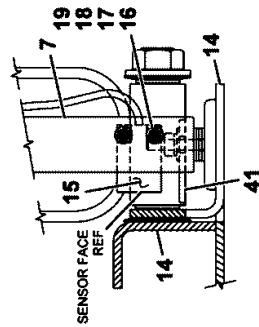
+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

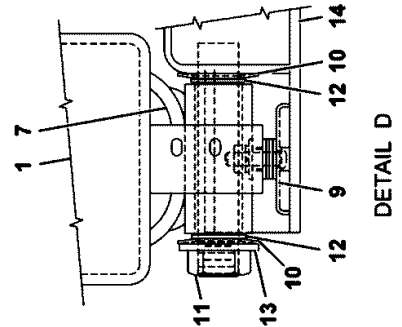
Notes



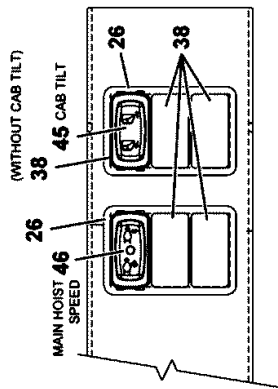
REAR VIEW OF SEAT SWITCHES
PLUG ROCKER SWITCH CONNECTORS
IN PLACE AS REQUIRED



SECTION E - E

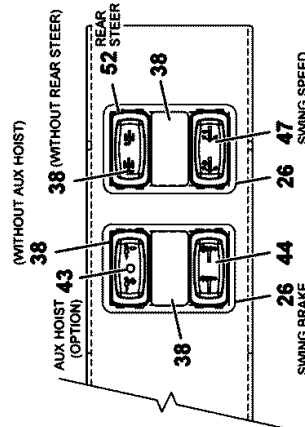


DETAIL D

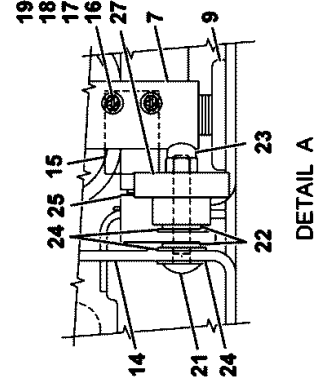


SWITCHES BELOW RIGHT ARM REST

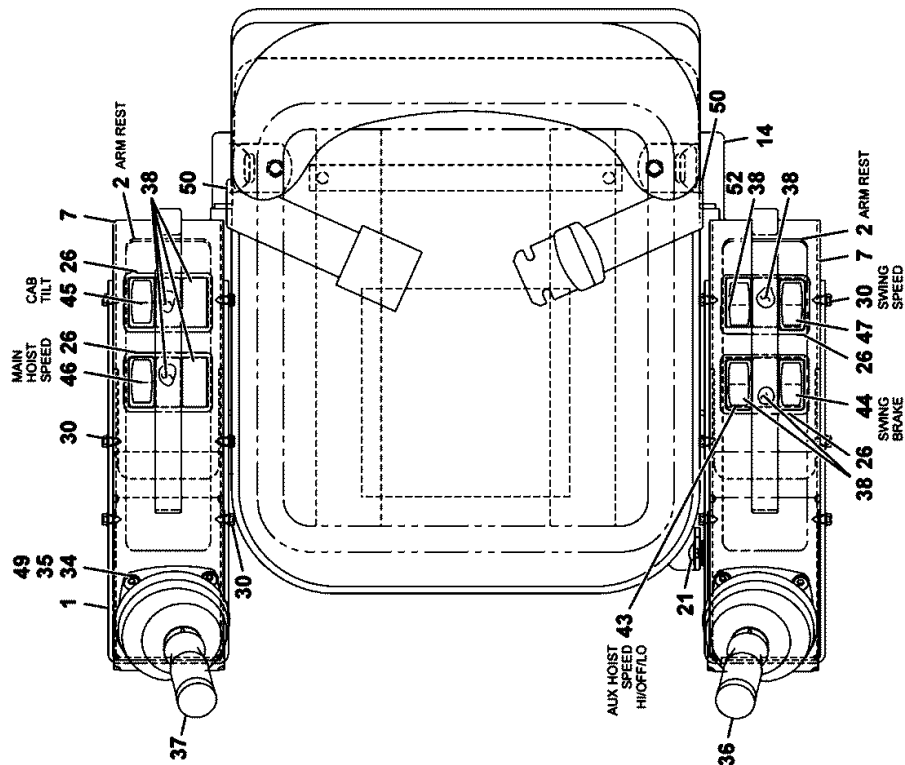
FWD



SWITCHES BELOW LEFT ARM REST

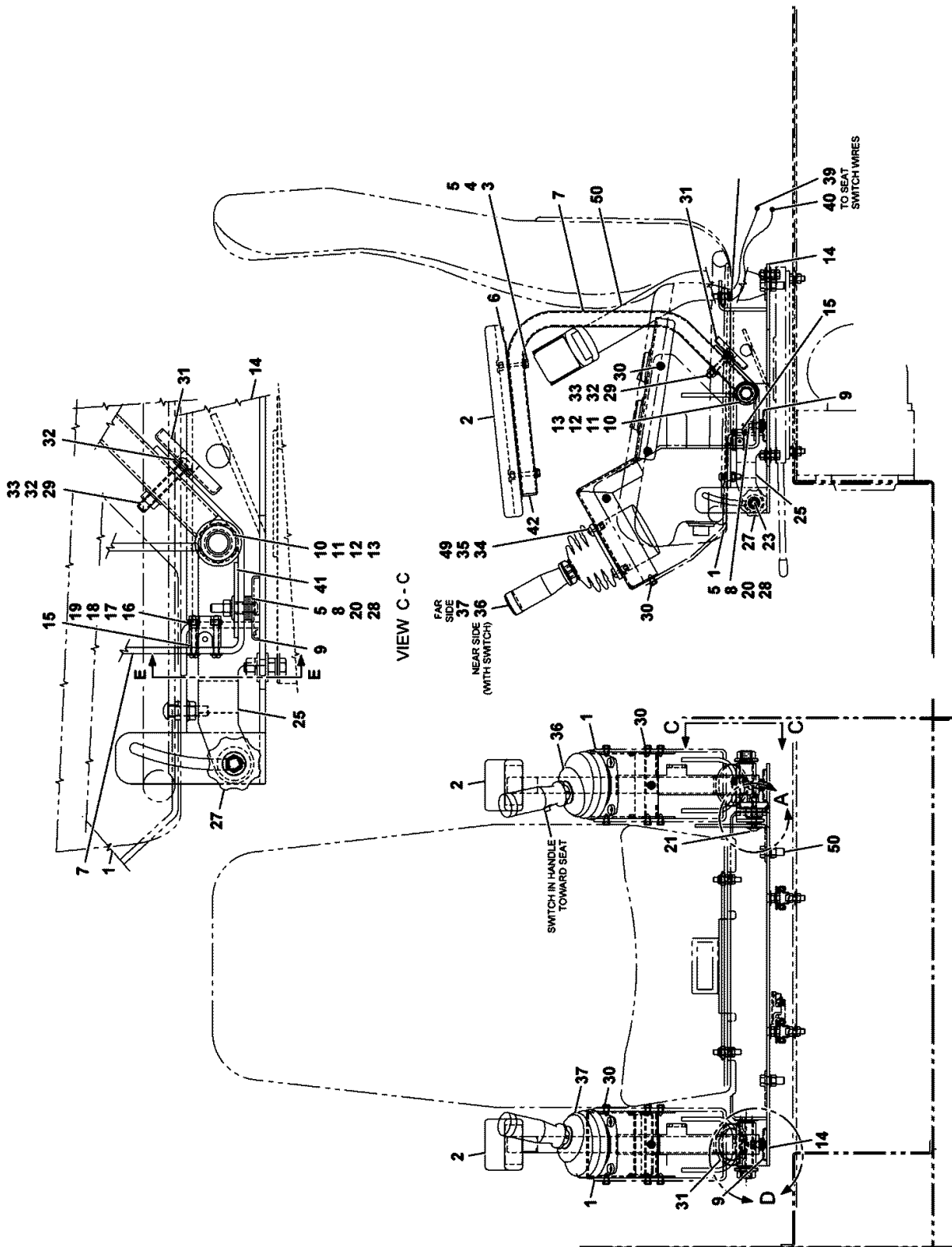


DETAIL A



PLAN VIEW
SEAT ASSEMBLY

Manitowoc Cranes



Manitowoc Cranes

Description

**SEAT ASSEMBLY - DUAL AXIS CONTROL (WITH AUXILIARY HOIST)
(NOT AVAILABLE AS ASSEMBLY)**

Assembly No.

80003783

Revision: **C**

Item	FN	Part	Qty	Description
1		7245100056	2	COVER, ARMREST
2		7033001063	2	PAD, ARMREST
3		7115141450	4	CAP SCREW, 1/4-20UNC X 1 3/4
4		7950140141	4	WASHER, FLAT 1/4" PLAIN NARROW
5		7950140050	6	WASHER, LOCK 1/4"
6		6705018338	2	PLATE
7		6033100018	2	ARMREST
8		7121151401	2	SCREW, M6X35 LONG SLOTTED PAN
9		7616000519	2	MAGNET
10		7949001227	4	WASHER, BEVELED
11		7660220200	2	NUT, HEX JAM 3/4" - 10 N.C.
12		7199001289	4	BUSHING
13		7949000236	2	FLAT WASHER, 3/4"
14		6245100081	1	ARM SUPPORT
15	+	6872100045	1	SWITCH ASSEMBLY - PROXIMITY (NORMALLY OPEN) (COMPLETE ASSEMBLY)
16		7661110003	2	NUT, HEX 4 MM N.C.
17		7121111301	2	SCREW, M4X30 LONG SLOTTED PAN
18		7951110210	2	LOCKWASHER, 4MM I.D.
19		7951110014	2	WASHER, 4MM I.D.
20		7661151103	2	NUT 6MM
21		7111151664	1	BOLT, CARRIAGE 5/16" -18 N.C. X 2"
22		7950150141	2	WASHER, FLAT 5/16"
23		7660152200	1	NUT, ACORN 5/16" - 18 N.C.
24		7949001186	3	WASHER, BLACK NYLON
25		6245100077	1	BRACKET
26		7364100179	4	BEZEL, L-SERIES 3 GANG LM3
27		7511000093	1	KNOB, FLUTED
28		7951150014	10	WASHER, 6MM I.D.
29		7110151618	2	CAP SCREW, 5/16" -18 N.C. X 2"

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

**SEAT ASSEMBLY - DUAL AXIS CONTROL (WITH AUXILIARY HOIST)
(NOT AVAILABLE AS ASSEMBLY)**

Assembly No.

80003783

Revision: **C**

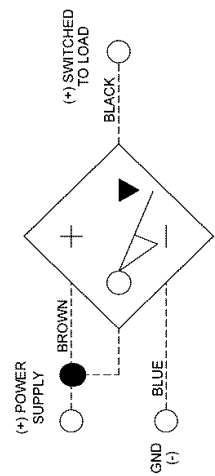
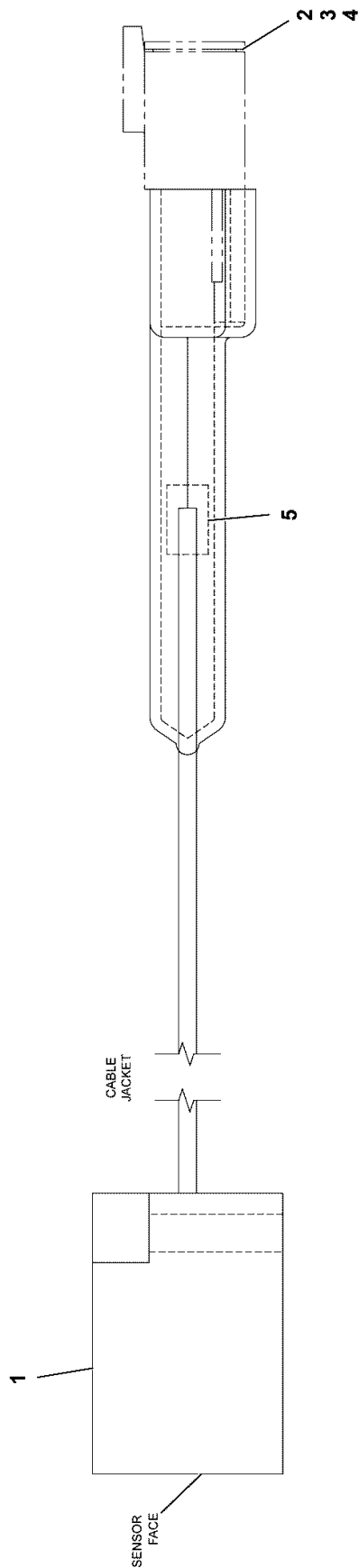
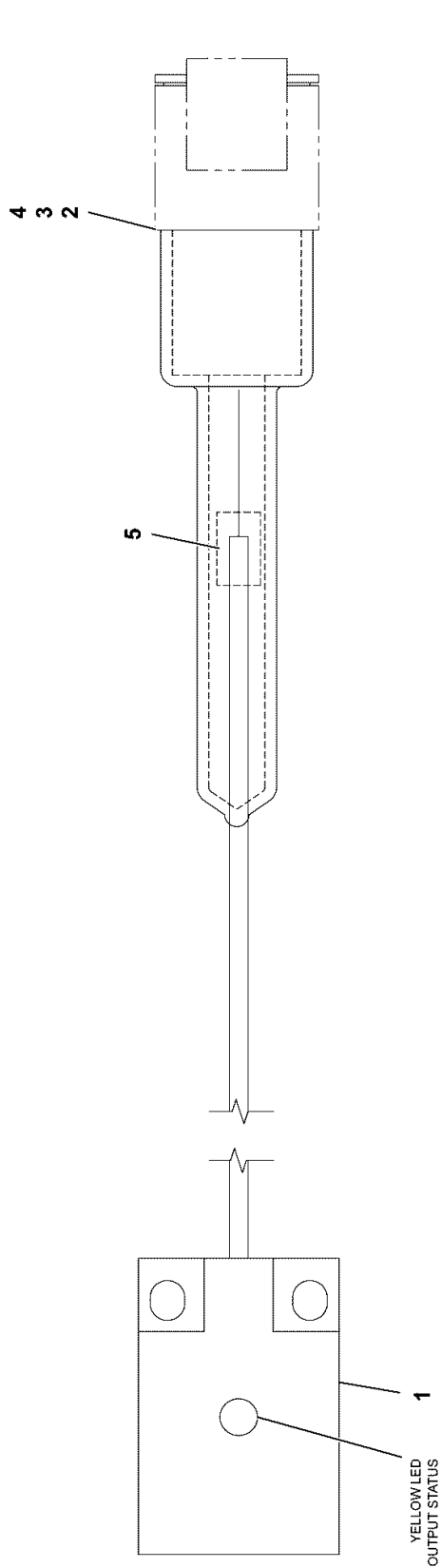
Item	FN	Part	Qty	Description
				GRADE 1
30		7792151221	14	WASHER, HEX SELF-TAPPING
31		7616000517	1	MAGNET, CUP
32		7951170014	1	WASHER, FLAT #8
33		7661171103	2	NUT, HEX 8MM N.C.
34		7101101210	8	SCREW, MACHINE 3/16" - 32 NF X 1 1/2"
35		7258001451	8	CAP, 1/4"
36	+	7352100096	1	CONTROLLER ASSEMBLY - 12VOLT LEFT HAND ARMREST (COMPLETE ASSEMBLY)
37	+	7352100095	1	CONTROLLER ASSEMBLY - 12VOLT RIGHT HAND ARMREST (COMPLETE ASSEMBLY)
38		7242100005	6	PLUG, L SERIES LH1 PANEL
39		7345001746	1	TERMINAL, MALE 16 - 14 AWG
40		7345001744	1	TERMINAL, FEMALE 16 - 14 AWG
41		6705170914	2	PLATE
42		7242100002	2	BUTTON, SQUARE
43		7872100119	1	SWITCH, L-SERIES AUX HOIST
44		7872100123	1	SWITCH, L-SERIES SWING BRAKE
45		7872100125	1	SWITCH, L-SERIES CAB TILT
46		7872100118	1	SWITCH, L-SERIES MAIN HOIST
47		7872100124	1	SWITCH, L-SERIES SWING SPEED
48	+	6512100837	1	HARNESS ASSEMBLY - SEAT (COMPLETE ASSEMBLY)
49		7429000011	8	FASTENER, WELL-NUT
50	#	7576000311	2	KIT, SEAT BELT
52		7872100139	1	SWITCH, L-SERIES REAR STEER

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Notes



SCHEMATIC SYMBOL

CONNECTOR LOADING	
CAVITY	WIRE
1	BROWN
2	BLACK
3	BLUE

Manitowoc Cranes

Description

**SWITCH ASSEMBLY - PROXIMITY (NORMALLY OPEN)
(COMPLETE ASSEMBLY)**

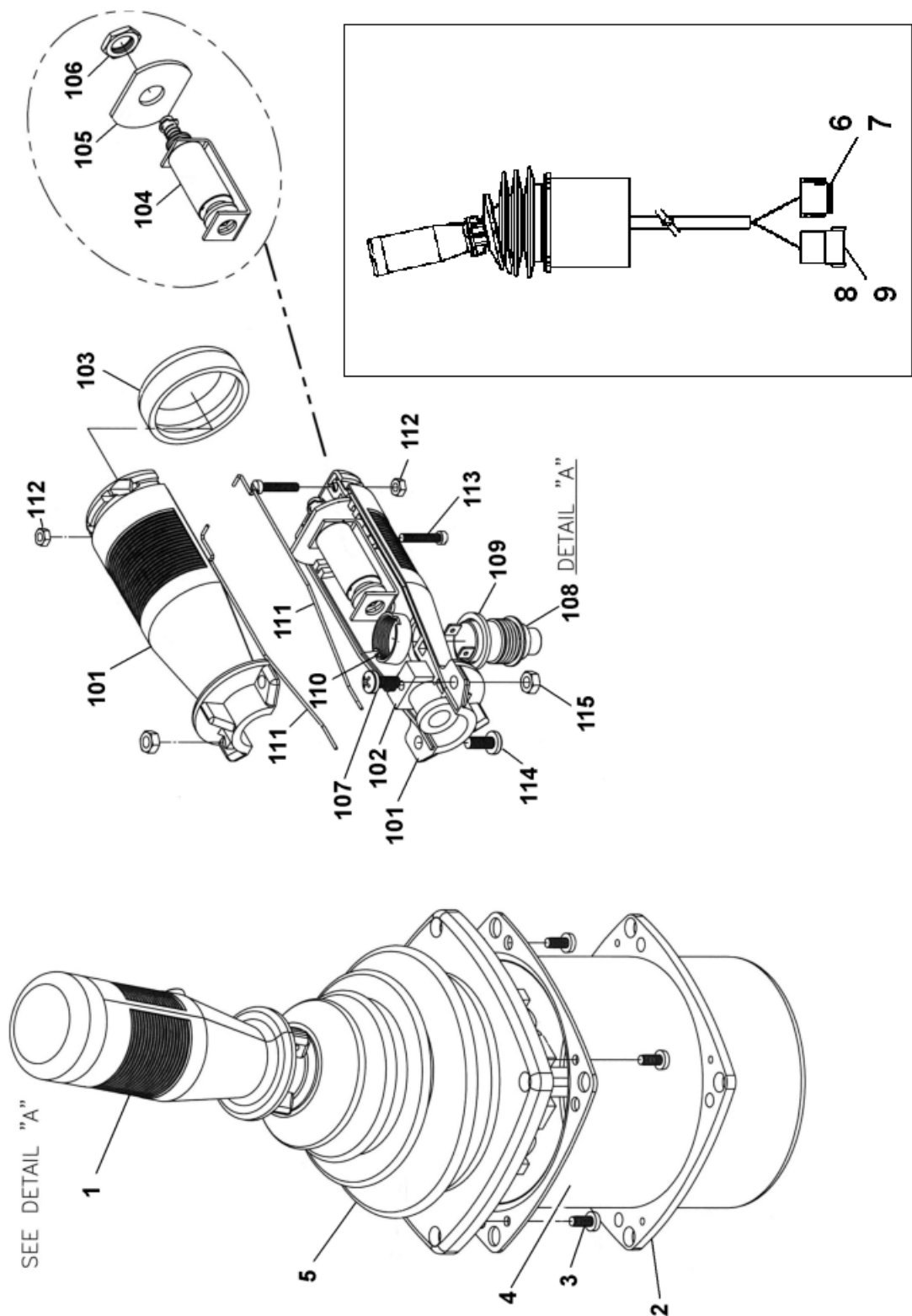
Assembly No.

6872100045

Revision: **A**

Item	FN	Part	Qty	Description
1		7872100062	1	PROXY SENSOR-PNP 10mm RANGE
2		7892100010	1	RECEPTACLE, DTM-3P
3		7172100003	3	BOOT-DTM3P-RECP
4		7689100033	3	PIN
5		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)

Manitowoc Cranes



Manitowoc Cranes

Description

**CONTROLLER ASSEMBLY - 12VOLT LEFT HAND ARMREST
(COMPLETE ASSEMBLY)**

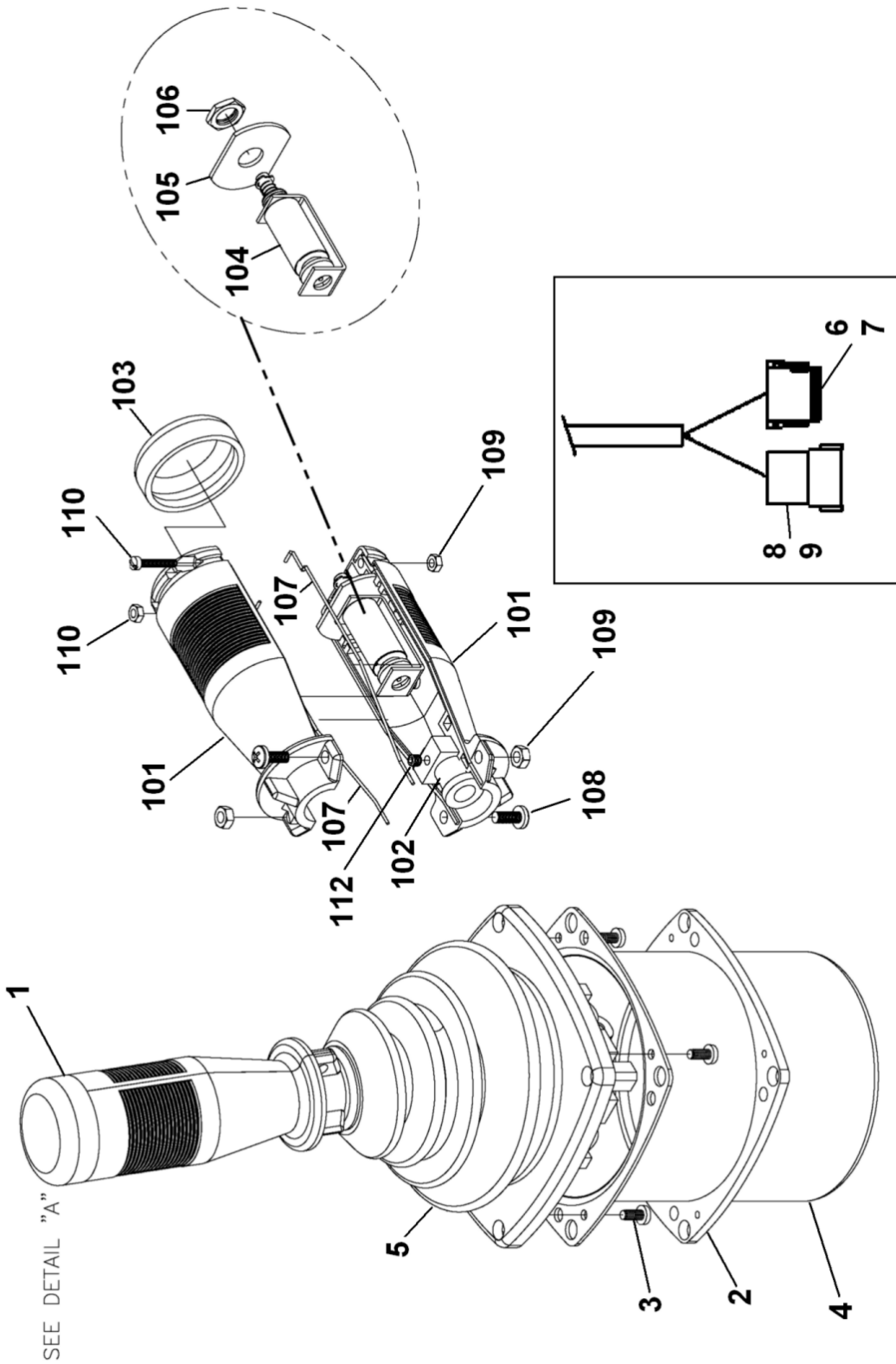
Assembly No.

7352100096

Revision:

Item	FN	Part	Qty	Description
1		9352100784	1	HANDLE ASSY. INCLUDES ITEMS 101 THRU 115
2		9352100772	1	GASKET
3		90000942	4	SCREW
4		90000943	1	COVER, HOUSING
5		9352100771	1	BOOT
6		7709000812	1	PLUG 12 SOCKET
7		7826000087	12	SOCKET, 16-14 GA
8		7892000832	1	RECEPTACLE, 12 PIN
9		7689001782	12	PIN, 18 - 16 GAGE
101		9352100786	1	HANDLE, SHELL (BOTH HALVES)
102		9352100787	1	COUPLING
103		9511100017	1	BOOT, CAP
104		9352100788	1	SOLENIOD, THUMPER
105		9352100789	1	PLATE, MOUNTING
106		9352100692	1	NUT
107		9352100669	2	SET SCREW
108		9352100790	1	SWITCH, PUSH BUTTON
109		9176100603	1	O-RING
110		9352100676	1	NUT
111		9352100657	2	GASKET
112		9352100528	2	NUT
113		9511100007	2	SCREW
114		9352100777	2	SCREW
115		9352100791	2	NUT

Manitowoc Cranes



Manitowoc Cranes

Description

**CONTROLLER ASSEMBLY - 12VOLT RIGHT HAND ARMREST
(COMPLETE ASSEMBLY)**

Assembly No.

7352100095

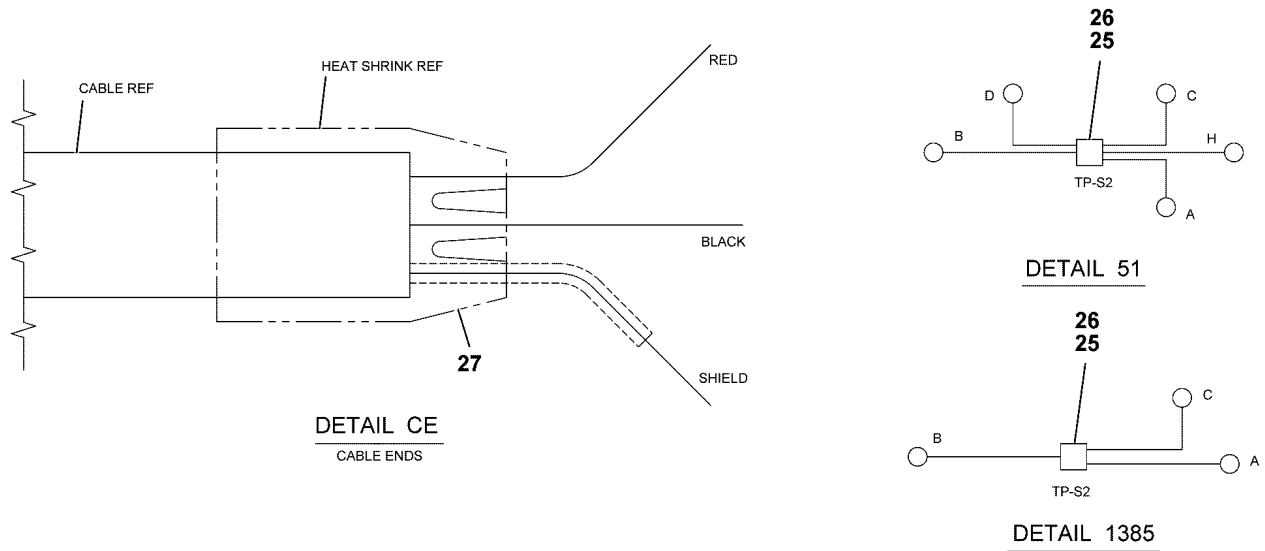
Revision:

Item	FN	Part	Qty	Description
1		9352100770	1	HANDLE ASSY. INCLUDES ITEMS 101 THRU 112
2		9352100772	1	GASKET
3		90000942	4	SCREW
4		90000943	1	COVER, HOUSING
5		9352100771	1	BOOT
6		7709000812	1	PLUG 12 SOCKET
7		7826000087	12	SOCKET, 16-14 GA
8		7892000832	1	RECEPTACLE, 12 PIN
9		7689001782	12	PIN, 18 - 16 GAGE
101		9352100792	1	HANDLE, SHELL (BOTH HALVES)
102		9352100787	1	COUPLING
103		9511100017	1	BOOT, CAP
104		9352100788	1	SOLENIOD, THUMPER
105		9352100789	1	PLATE, MOUNTING
106		9352100692	1	NUT
107		9352100657	2	GASKET
108		9352100777	2	SCREW
109		9352100791	2	NUT
110		9352100528	2	NUT
111		9511100007	2	SCREW
112		9352100669	2	SET SCREW

Manitowoc Cranes

WIRE NO	COLOR	TYPE	SAE SIZE	LENGTH INCHES	TP	B/M ITEM #	REMARKS	TP	B/M ITEM NO	REMARKS
479	WHT	GXL	18	21	M	6	—————	P	21	—————
506			18	21	A	6	—————	C	21	—————
518			18	24	M	6	—————	R	21	—————
707			18	23	A	6	—————	L	19	—————
792			18	24	A	6	—————	N	21	—————
793			18	24	A	6	—————	N	21	—————
800			20	30	K	22	—————	L	19	—————
1130			18	24	A	6	—————	H	21	—————
1137A			18	21	A	6	—————	C	STRIP	CRIMP W/1137B
1137B			20	3	C	20	CRIMP W/1137A	C	STRIP	CRIMP W/1137C
1137C			20	3	C	21	CRIMP W/1137B	C	21	—————
1384A			16	42	V	18	—————	X	18	—————
1384B			18	37	K	23	—————	X	18	—————
1384C			18	41	H	STRIP	CRIMP W/1384D	X	18	—————
1384D			20	3	H	20	CRIMP W/1384C	H	STRIP	CRIMP W/1384E
1384E			20	3	H	21	CRIMP W/1384D	H	21	—————
1384F			18	44	D	STRIP	CRIMP W/1384G	X	18	—————
1384G			20	3	D	20	CRIMP W/1384F	D	STRIP	CRIMP W/1384H
1384H			20	3	D	21	CRIMP W/1384G	D	21	—————
1384J			18	44	C	STRIP	CRIMP W/1384K	X	18	—————
1384K			20	3	C	20	CRIMP W/1384J	C	STRIP	CRIMP W/1384L
1384L			20	3	C	21	CRIMP W/1384K	C	STRIP	CRIMP W/1384M
1384M			20	3	C	21	CRIMP W/1384L	C	21	—————
1384N			18	17	T	STRIP	CRIMP W/1384P	X	18	—————
1384P			20	3	T	20	CRIMP W/1384N	T	STRIP	CRIMP W/1384Q
1384Q			20	3	T	21	CRIMP W/1384P	T	21	—————
1384R			18	20	P	STRIP	CRIMP W/1384T	X	18	—————
1384T			20	3	P	20	CRIMP W/1384R	P	STRIP	CRIMP W/1384U
1384U			20	3	P	21	CRIMP W/1384T	P	21	—————
1384V			18	17	X	18	—————	R	STRIP	CRIMP W/1384W
1384W			20	3	R	20	CRIMP W/1384V	R	STRIP	CRIMP W/1384X
1384X			20	3	R	21	CRIMP W/1384W	R	STRIP	CRIMP W/1384Y
1384Y			18	52	R	20	CRIMP W/1384X	N	STRIP	CRIMP W/1384Z
1384Z			18	3	N	20	CRIMP W/1384Y	Z	STRIP	CRIMP W/1384AA
1384AA			18	3	N	20	CRIMP W/1384Z	N	21	—————
1385A			14	62	V	16	—————	S2	STRIP	SEE DETAIL
1385B			14	27	A	16	—————	S2	STRIP	SEE DETAIL
1385C			14	49	M	16	—————	S2	STRIP	SEE DETAIL
SHD1	WHT	GXL	18	3	V	SEE	CABLE PC1A	V	SEE	CABLE PC1A

Manitowoc Cranes



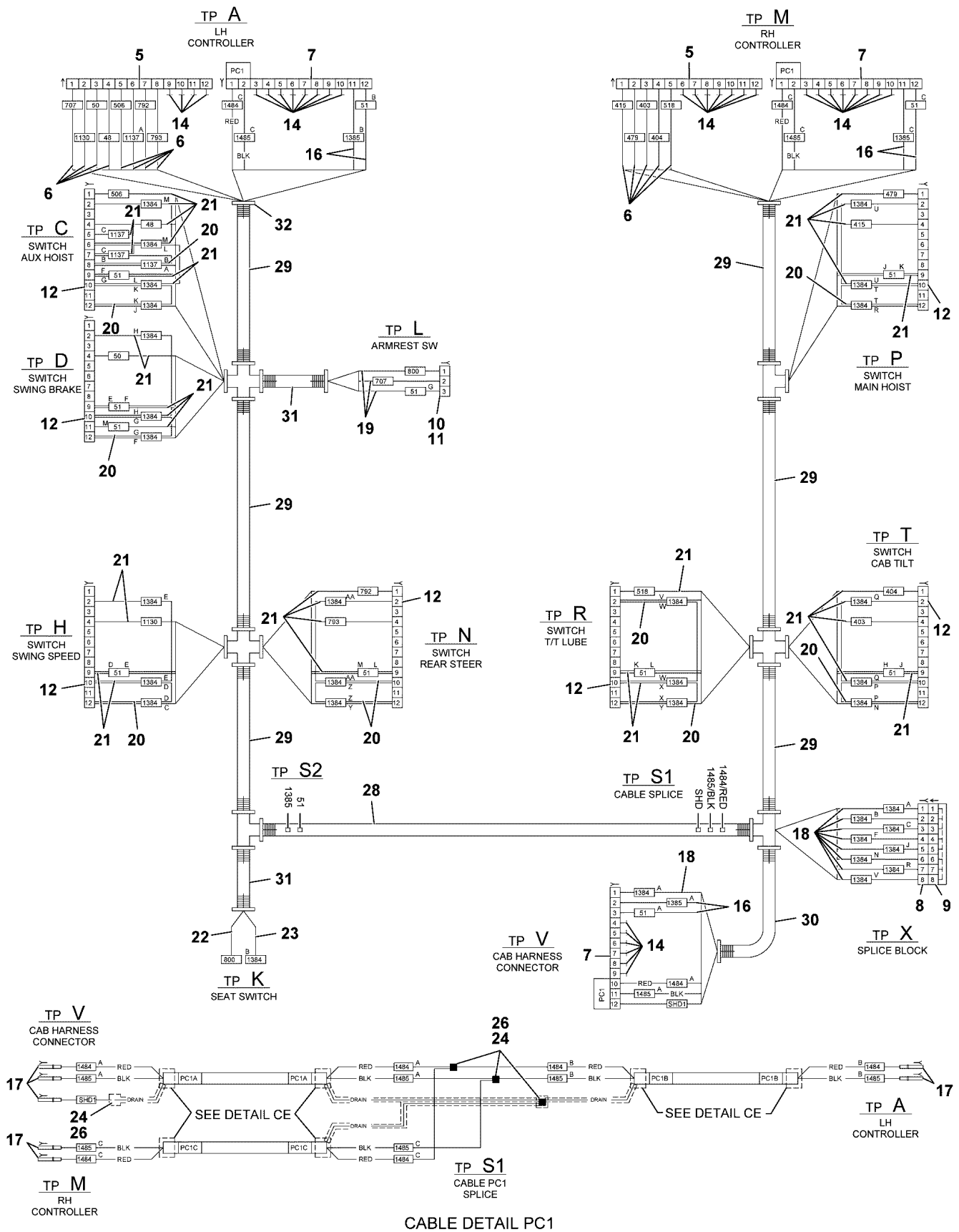
WIRE NUMBER LABELS FOR USE ON CABLE ASSYS

WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQ'D
1484A	RED	10	5	PC1A	V	USE INSUL	S1	USE INSUL	2
1484B	RED			PC1B	A		S1		2
1484C	RED			PC1C	M		S1		2
1485A	BLK			PC1A	V		S1		2
1485B	BLK			PC1B	A		S1		2
1485C	BLK	10	5	PC1C	M	USE INSUL	S1	USE INSUL	2

WIRE NO	COLOR	TYPE	SAE SIZE	LENGTH INCHES	TP	B/M ITEM #	REMARKS	TP	B/M ITEM NO	REMARKS
48	WHT	GXL	18	21	A	6	_____	C	21	_____
50			18	21	A	6	_____	D	21	_____
51A			14	61	V	16	_____	S2	STRIP	SEE DETAIL
51B			14	28	A	16	_____	S2	STRIP	SEE DETAIL
51C			14	48	M	16	_____	S2	STRIP	SEE DETAIL
51D			20	16	H	STRIP	CRIMP W/51E	S2	STRIP	SEE DETAIL
51E			20	15	H	21	CRIMP W/51D	D	STRIP	CRIMP W/51F
51F			20	12	C	STRIP	CRIMP W/51G	D	21	CRIMP W/51E
51G			20	15	C	21	CRIMP W/51F	L	19	_____
51H			20	36	T	STRIP	CRIMP W/51J	S2	STRIP	SEE DETAIL
51J			20	15	T	21	CRIMP W/51H	P	STRIP	CRIMP W/51K
51K			20	15	P	21	CRIMP W/51J	R	STRIP	CRIMP W/51L
51L			20	52	R	21	CRIMP W/51K	N	21	CRIMP W/51M
51M			20	15	D	21	_____	N	STRIP	CRIMP W/51L
403			18	24	M	6	_____	T	21	_____
404			18	24	M	6	_____	T	21	_____
415	WHT	GXL	18	21	M	6	_____	P	21	_____

6512100837

Manitowoc Cranes



Manitowoc Cranes

Description

HARNESS ASSEMBLY - SEAT (COMPLETE ASSEMBLY)

Assembly No.

6512100837

Revision: **A**

Item	FN	Part	Qty	Description
5		7892000832	2	RECEPTACLE, 12 PIN
6		7689001782	13	PIN, 18 - 16 GAGE
7		7709000812	3	PLUG 12 SOCKET
8		7709000811	1	PLUG 8 SOCKET
9		7892100026	1	RECEPT, (8P) SPLICE BLOCK
10		7709100877	1	PLUG
11		7172100002	1	BOOT, PLUG
12		7364100184	7	CONNECTOR, L-SERIES SWITCHES
14		7689000503	33	PLUG, SEALING 16 - 12 AWG
16		7826000087	6	SOCKET, 16-14 GA
17		7826100004	7	SOCKET, (16 - 18) 30 SERIES
18		7826000626	9	SOCKET, 16 - 18 AWG
19		7826100018	3	SOCKET, 20 GAUGE GOLD
20		7892100058	10	TERMINAL, FM MP 630 SERIES
21		7892100059	34	TERMINAL, FM MP 630 SERIES
22		7345001444	1	TERMINAL, FEMALE
23		7345001446	1	TERMINAL, MALE 22 - 18 AWG
24		7892000194	4	PARALLEL, NON - INSULATED 16 - 14 AWG
25		7892000195	2	PARALLEL, NON - INSULATED 12 - 10 AWG
26		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
27		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
28		8594000003	2	FLEXGUARD - .625" I.D. (QUANTITY IN FEET)
29		8594000004	4	FLEXGUARD - .500" I.D. (QUANTITY IN FEET)
30		8594000006	3	FLEXGUARD - .350" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Description

HARNESS ASSEMBLY - SEAT (COMPLETE ASSEMBLY)

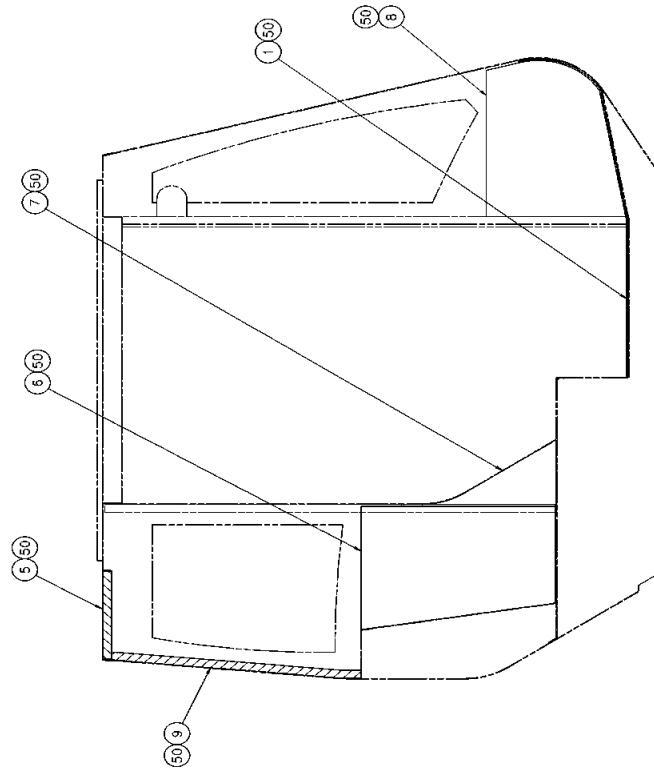
Assembly No.

6512100837

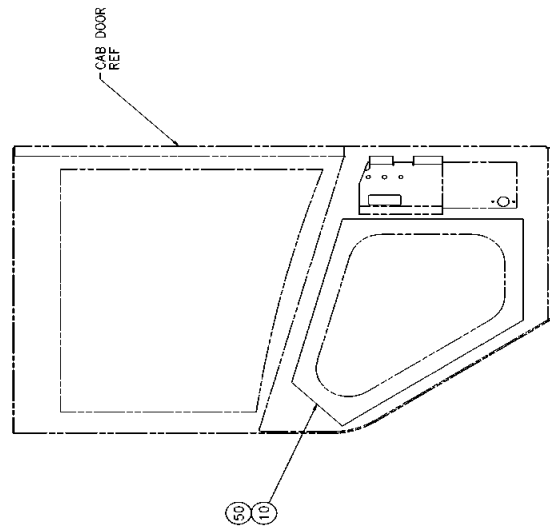
Revision: **A**

Item	FN	Part	Qty	Description
31		8594000019	2	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
32		7850000208	30	CABLE TIE, BLACK

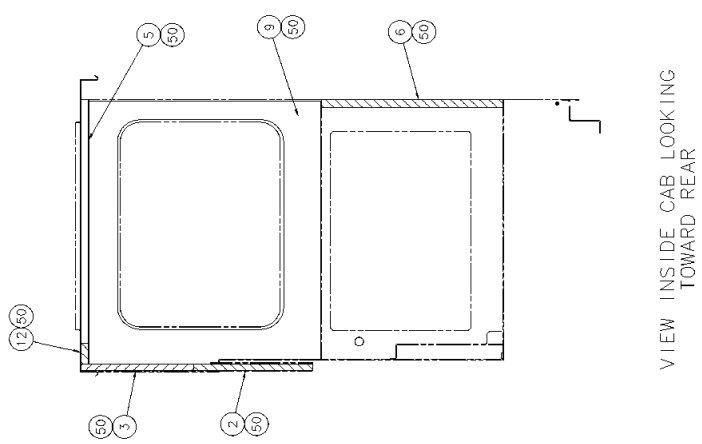
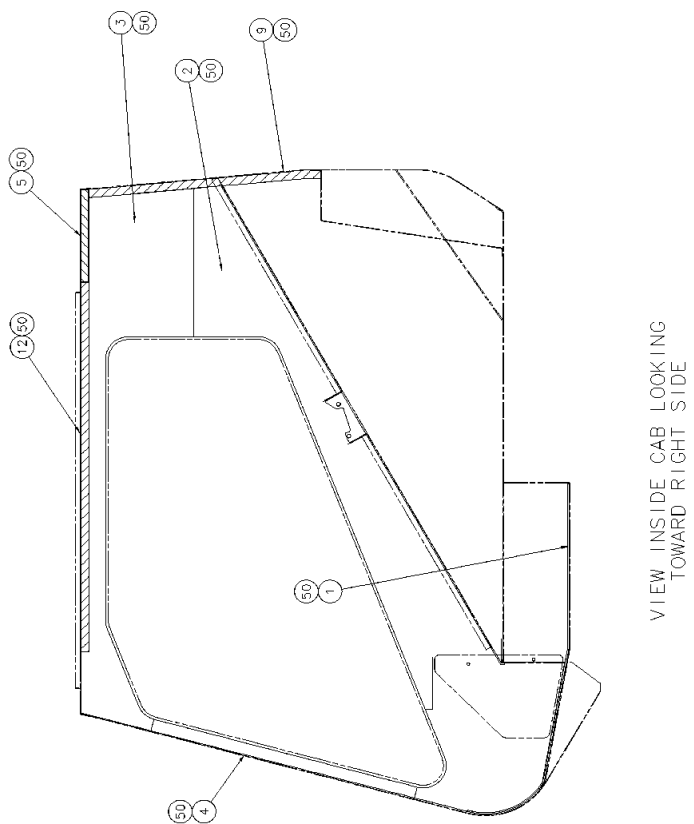
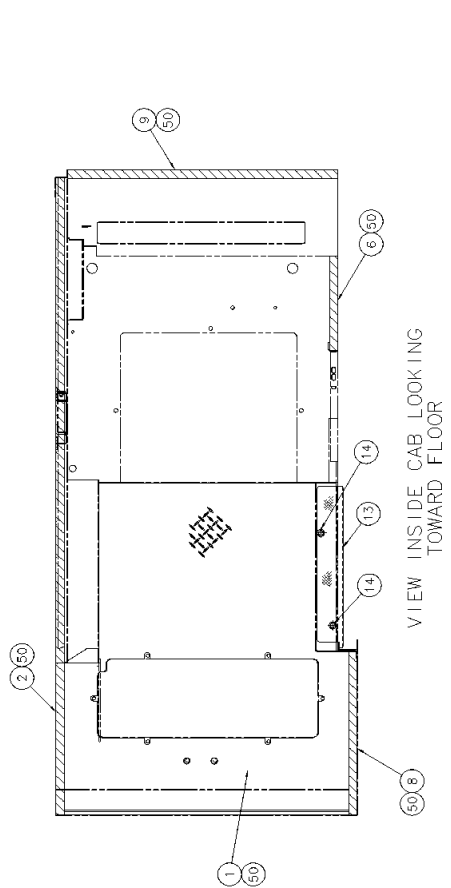
Manitowoc Cranes



VIEW INSIDE CAB LOOKING
TOWARD LEFT SIDE



VIEW LOOKING AT INSIDE
OF DOOR



Manitowoc Cranes

Description

ACOUSTICS INSTALLATION

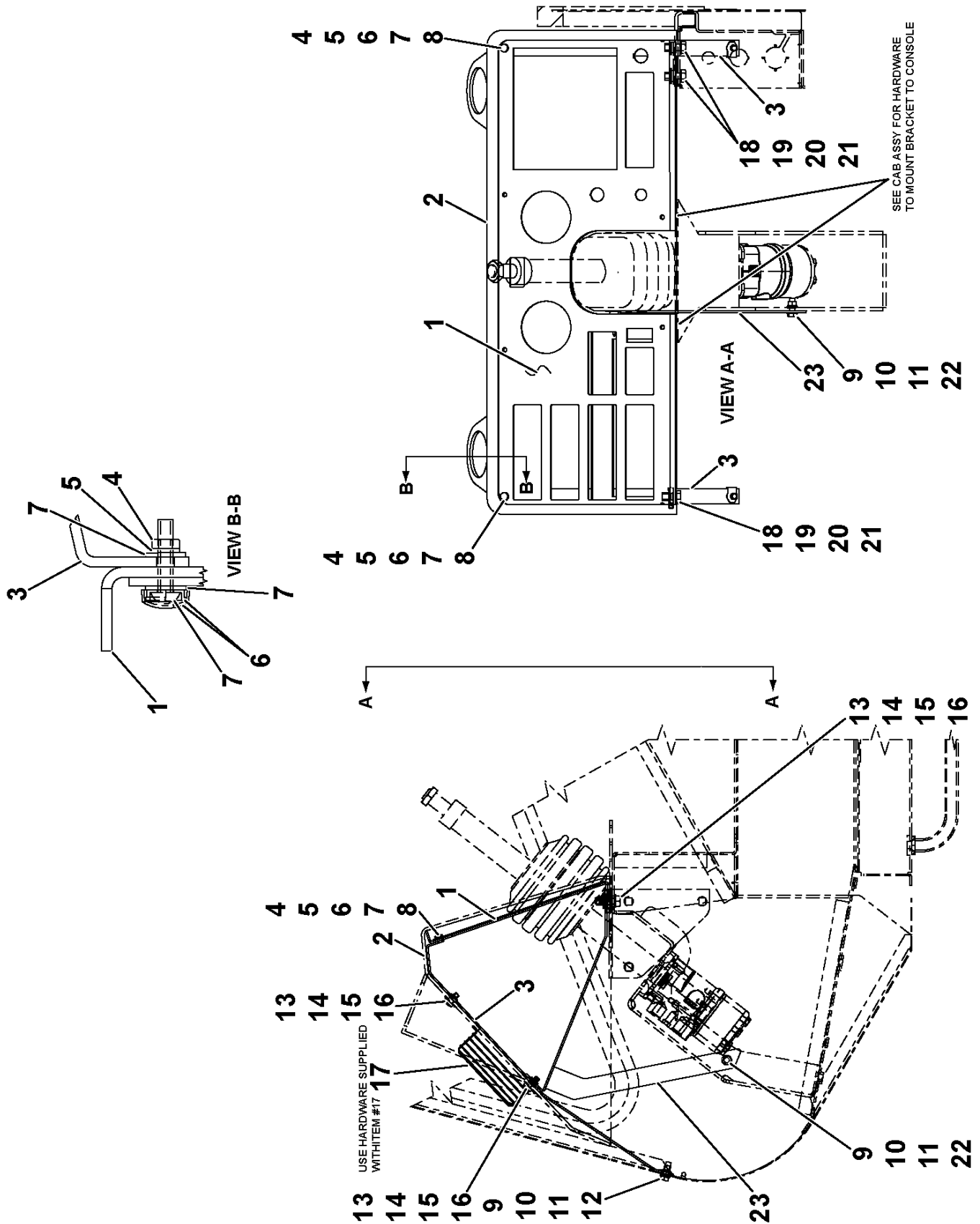
Assembly No.

80019673

Revision: #

Item	FN	Part	Qty	Description
1		7001100579	0	MAT, FLOOR
2		80019603	0	19mm ACOUSTIC FOAM
3		80019604	0	19mm ACOUSTIC FOAM
4		80019605	0	19mm ACOUSTIC FOAM
5		80019606	0	1.00 ACOUSTIC FOAM
6		80019607	0	1.00 ACOUSTIC FOAM
7		80019608	0	1.00 ACOUSTIC FOAM
8		80019609	0	1.00 ACOUSTIC FOAM
9		80019610	0	1.00 ACOUSTIC FOAM
10		80019611	0	1.00 ACOUSTIC FOAM
12		80019612	0	1.00 ACOUSTIC FOAM
13		6245101035	0	SILL, DOOR
14		7790161253	2	SCREW, 3/8" - 16 N.C. X 3/4"
50		80018758	1	ACOUSTICS KIT

Manitowoc Cranes



Manitowoc Cranes

Description

FRONT CONSOLE INSTALLATION

Assembly No.

80019972

Revision: #

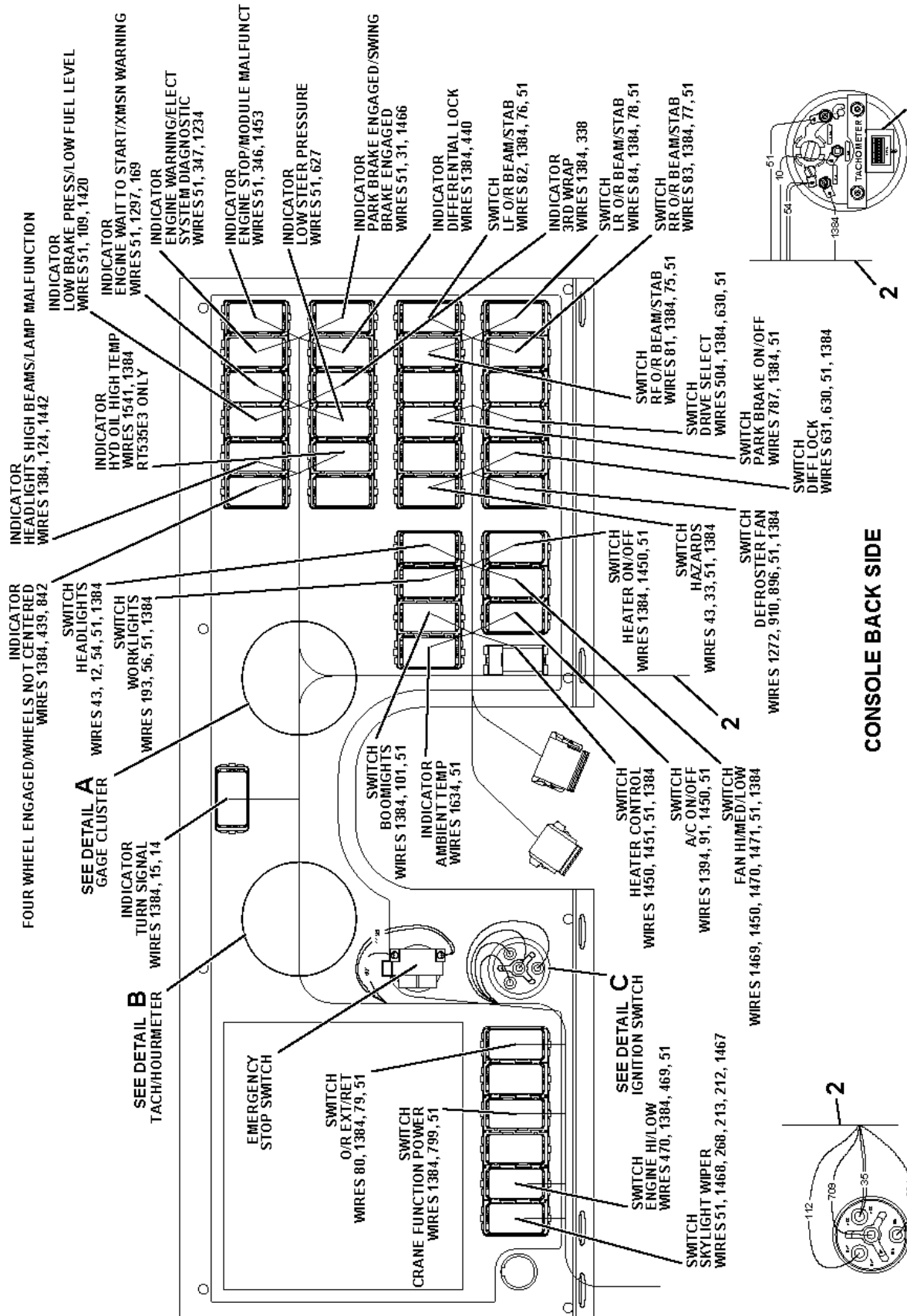
Item	FN	Part	Qty	Description
1	+	80019971	1	FRONT CONSOLE ASSEMBLY
2		7245100069	1	COVER, CONSOLE
3		6184100007	1	BRACE
4		7661110003	2	NUT, HEX 4 MM N.C.
5		7951110210	2	LOCKWASHER, 4MM I.D.
6		7258001452	2	CAP #8
7		7951110014	4	WASHER, 4MM I.D.
8		01374648	2	SLOTTED CHEESE HEAD SCREW
9		7126171253	3	CAP SCREW, M8X25 HEX HEAD
10		7951170210	3	WASHER, LOCK 8MM
11		7951170014	4	WASHER, FLAT #8
12		7659190020	3	NUT, RETAINING 8 X 1.25
13		7258001451	4	CAP, 1/4"
14		7121151401	4	SCREW, M6X35 LONG SLOTTED PAN
15		7949001186	4	WASHER, BLACK NYLON
16		7659190019	4	NUT, RETAINING M6
17		7425000007	1	FAN ASSY, DEFROSTER
		9425100009	1	INCLUDES THE FOLLOWING PARTS SWITCH, 12 VOLT
18		7126191253	3	CAP SCREW, M10 X 25 HEX HEAD
19		7951190210	3	LOCK WASHER, 10MM
20		7951190014	3	FLAT WASHER, 10MM I.D.
21		7659190033	3	NUT, RETAINING
22		7661170003	1	NUT
23		6245101003	1	MOUNT, BRACKET MODULE

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Notes

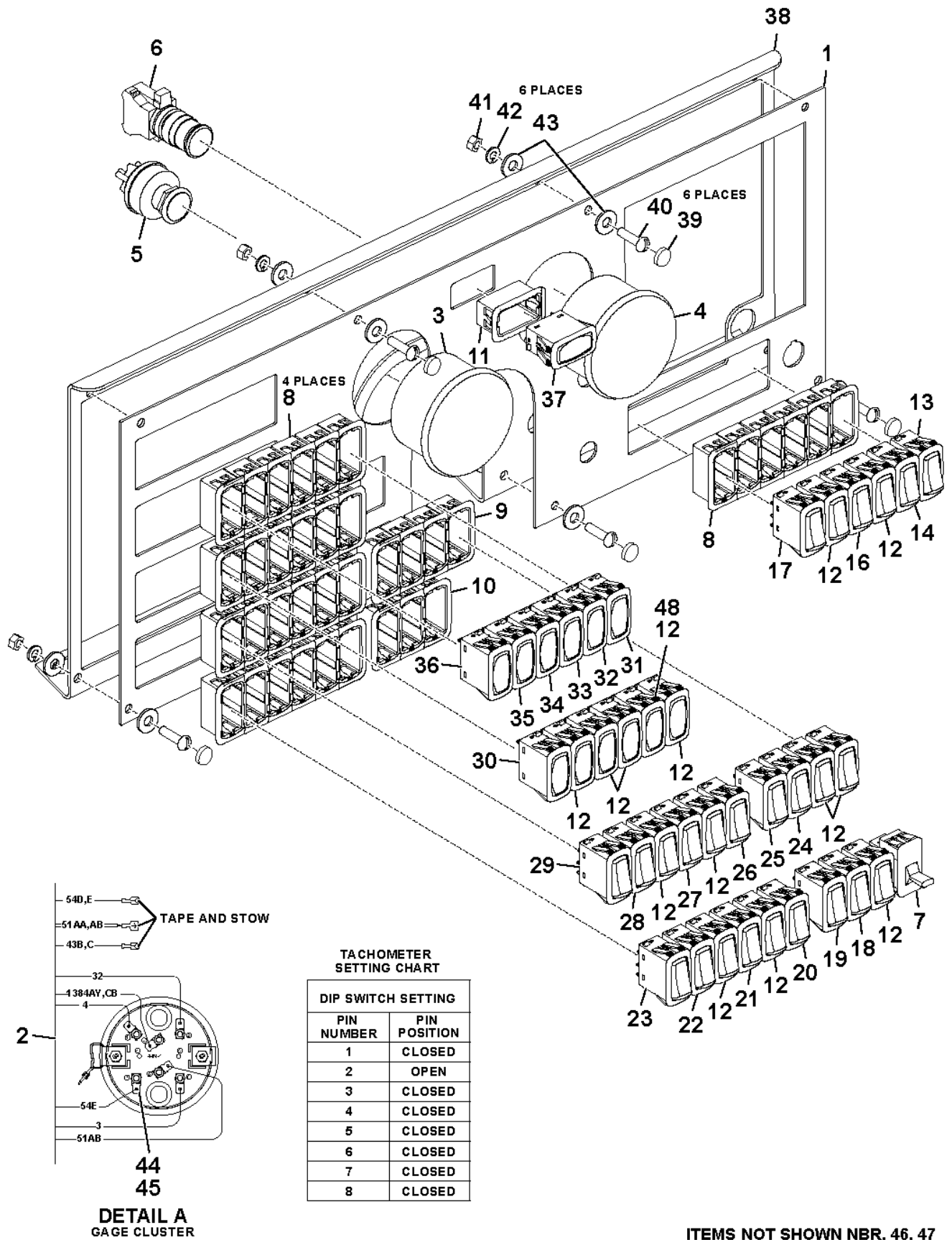
Manitowoc Cranes



DETAIL C

DETAIL B

Manitowoc Cranes



Manitowoc Cranes

Description FRONT CONSOLE ASSEMBLY				Assembly No. 80019971 Revision: #
Item	FN	Part	Qty	Description
1		7679100268	1	PANEL, FRONT CONSOLE
2	+	80019587	1	HARNESS ASSEMBLY-FRONT CONSOLE
3		7486100024	1	GAUGE, CLUSTER 12 VOLT INCLUDES THE FOLLOWING PARTS
		9581100394	1	SOCKET,
		9581100405	1	BULB, 12 VOLT
4	+	7486100100	1	GAUGE, 12 VOLT TACHOMETER (WITH HOURMETER)
5		7872100051	1	SWITCH, IGNITION INCLUDES THE FOLLOWING PARTS
		9872100256	1	SET, KEY
6		7872100071	1	SWITCH, EMERGENCY STOP
7		7872100091	1	SWITCH, HEATER CNTRL EATON 12V
8		7364100182	5	BEZEL, L-SERIES 6 GANG LM6
9		7364100180	1	BEZEL, L-SERIES 4 GANG LM4
10		7364100179	1	BEZEL, L-SERIES 3 GANG LM3
11		7364100177	1	BEZEL, L-SERIES SINGLE LMS
12		7242100005	13	PLUG, L SERIES LH1 PANEL
13		7872100108	1	SWITCH,L-SERIES SKYLIGHT WIPER
14		7872100095	1	SWITCH, L-SERIES ENGNE INC/DEC
16		7872100107	1	SWITCH,L-SERIES CRANE FUNC PWR
17		7872100117	1	SWITCH, L-SERIES O/R EXT/RET
18		7872100105	1	SWITCH, L-SERIES FAN HI/MED/LO
19		7872100106	1	SWITCH, L-SERIES HEATER ON/OFF
20		7872100145	1	SWITCH, L-SERIES DEFROST FAN
21		7872100138	1	SWITCH, L-SERIES DRIVE SELECT
22		7872100115	1	SWITCH,L-SERIES RR O/R BM/STAB
23		7872100114	1	SWITCH,L-SERIES LR O/R BM/STAB
24		7872100110	1	SWITCH, L-SERIES WORK LIGHTS
25		7872100210	1	SWITCH L-SERIES HEADLIGHTS
26		7872100100	1	SWITCH, L-SERIES HAZARDS
27		7872100211	1	SWITCH L-SERIES PARK BRAKE
28		7872100113	1	SWITCH,L-SERIES RF O/R BM/STAB
29		7872100112	1	SWITCH,L-SERIES LF O/R BM/STAB
30	#	7486100110	1	IND LED PARK BRK ENGD/SWG BRK

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description FRONT CONSOLE ASSEMBLY				Assembly No. 80019971 Revision: #
Item	FN	Part	Qty	Description
31	#	7486100134	1	IND LED 4WHL ENGED/WHL NOT CNT
32	#	7486100114	1	IND LED HI BEAMS/LAMP OUT WARN
33	#	7486100104	1	IND LED LOW BRK PRESS/LOW FUEL
34	#	7486100103	1	IND LED WAIT TO STR/XMSN WARN
35	#	7486100084	1	IND LED ENG WARN/ELECT SYS DIA
36	#	7486100083	1	IND LED ENG STOP/MODULE ERROR
37	#	7486100115	1	IND LED LEFT TURN/RIGHT TURN
38		6245100947	1	CONSOLE, FRONT FRAME
39		7258001452	6	CAP #8
40		01374648	6	SLOTTED CHEESE HEAD SCREW
41		7661110003	6	NUT, HEX 4 MM N.C.
42		7951110210	6	LOCKWASHER, 4MM I.D.
43		7951110014	12	WASHER, 4MM I.D.
44		7364001457	1	TAB, MALE
45		7660081100	1	NUT, HEX 5/32" - 24 N.F. GRADE 1
46		7345001446	2	TERMINAL, MALE 22 - 18 AWG
47		7345001744	1	TERMINAL, FEMALE 16 - 14 AWG
48	#	7486100128	1	IND LED HYD OIL COOLER TEMP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Notes

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
SHD5	WHITE	18	3	CH	SEE DETAIL	CABLE PC1C	CH	SEE DETAIL	CABLE PC1C
SHD6		18	3	CH	SEE DETAIL	CABLE PC2	CH	SEE DETAIL	CABLE PC2
SHD7		20	3	BE	SEE DETAIL	CABLE THPD	BE	SEE DETAIL	CABLE THPD
SHD8		20	3	BD	SEE DETAIL	CABLE DIAG	DB	SEE DETAIL	CABLE DIAG
SHD9		18	3	CH	SEE DETAIL	CABLE SWG	CH	SEE DETAIL	CABLE SWG
SHD10		18	3	CJ	SEE DETAIL	CABLE J19	CJ	SEE DETAIL	CABLE J19
SHD11		18	3	CY	SEE DETAIL	CABLE J19	CY	SEE DETAIL	CABLE J19
SHD12		18	3	CY	SEE DETAIL	CABLE J19	CY	SEE DETAIL	CABLE J19
SHD13	WHITE	18	3	CF	SEE DETAIL	CABLE J19	CF	SEE DETAIL	CABLE J19

WIRE NUMBER LABELS FOR USE ON CABLE ASSYS

WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQ'D
1489	WHT	10	5	TP	CJ	USE INSUL	CT	USE INSUL	2
51BG		10	5	TP	CJ	USE INSUL	CT	USE INSUL	2
1162		10	5	TP	CJ	USE INSUL	CT	USE INSUL	2
473		10	5	THPD	_____	_____	CR	USE INSUL	1
474		10	5	THPD	_____	_____	CR	USE INSUL	1
475		10	5	THPD	_____	_____	CR	USE INSUL	1
1289A		10	5	J1939	CJ	USE INSUL	CY	USE INSUL	2
1290A		10	5	J1939	CJ	USE INSUL	CY	USE INSUL	2
1289B		10	5	J1939	CF	USE INSUL	CY	USE INSUL	2
1290B		10	5	J1939	CF	USE INSUL	CY	USE INSUL	2
1495		10	5	SWGPED	CH	USE INSUL	CV	USE INSUL	2
1496		10	5	SWGPED	CH	USE INSUL	CV	USE INSUL	2
1497		10	5	SWGPED	CH	USE INSUL	CV	USE INSUL	2
1323		10	5	DIAG	BD	USE INSUL	CF	USE INSUL	2
1324		10	5	DIAG	BD	USE INSUL	CF	USE INSUL	2
1484A		10	5	PC1A	BT	USE INSUL	BD	USE INSUL	2
1485A		10	5	PC1A	BT	USE INSUL	BD	USE INSUL	2
1484B		10	5	PC1B	BT	USE INSUL	BH	USE INSUL	2
1485B		10	5	PC1B	BT	USE INSUL	BH	USE INSUL	2
1484C		10	5	PC1C	BT	USE INSUL	CH	USE INSUL	2
1485C		10	5	PC1C	BT	USE INSUL	CH	USE INSUL	2
1486A		10	5	PC1C	BD	USE INSUL	CH	USE INSUL	2
1487A	WHT	10	5	PC1C	BD	USE INSUL	CH	USE INSUL	2

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
1384BD	WHITE	20	3	CB	23	CRIMP W/1384BC	CB	STRIP	CRIMP W/1384BE
1384BE		20	14	CB	23	CRIMP W/1384BD	CD	STRIP	CRIMP W/1384BJ
1384BJ		20	3	CD	23	CRIMP W/1384BE	CD	STRIP	CRIMP W/1384BK
1384BK		20	3	CD	23	CRIMP W/1384BJ	CD	STRIP	CRIMP W/1384BL
1384BL		20	20	CD	23	CRIMP W/1384BK	CJ	17	————
1384BM		18	8	SB2	STRIP	SEE DETAIL	BN	STRIP	CRIMP W/1384BN
1384BN		20	19	BN	23	CRIMP W/1384BM	AZ	STRIP	CRIMP W/1384BP
1384BP		20	16	AZ	23	CRIMP W/1384BN	AT	STRIP	CRIMP W/1384BR
1384BR		20	4	AT	23	CRIMP W/1384BP	AW	STRIP	CRIMP W/1384BS
1384BS		20	14	AW	23	CRIMP W/1384BR	AZ	STRIP	CRIMP W/1384BT
1384BT		20	19	AZ	23	CRIMP W/1384BS	BN	STRIP	CRIMP W/1384BU
1384BU		20	11	BN	23	CRIMP W/1384BT	BP	STRIP	CRIMP W/1384BV
1384BV		20	5	BP	28	CRIMP W/1384BU	SB1	STRIP	SEE DETAIL
1384BW		20	17	BG	10	————	SB1	STRIP	SEE DETAIL
1384BX		20	17	AAB	STRIP	CRIMP W/1384BY	SB1	STRIP	SEE DETAIL
1384BY		20	12	AAB	23	CRIMP W/1384BX	AAA	STRIP	CRIMP W/1384BZ
1384BZ		20	4	AAA	23	CRIMP W/1384BY	AAA	23	————
1384CA		20	22	BD	6	————	SB2	STRIP	SEE DETAIL
1384CB		20	5	BK	23	CRIMP W/1384AY	SB2	STRIP	SEE DETAIL
1420		20	37	BE	6	————	AX	23	————
1442		20	35	BH	6	————	AZ	23	————
1450A		20	48	AL	STRIP	CRIMP W/1450B	CJ	17	————
1450B		20	3	AN	STRIP	CRIMP W/1450C	AL	23	CRIMP W/1450A
1450C		20	14	BB	STRIP	CRIMP W/1450D	AN	23	CRIMP W/1450B
1450D		20	4	BC	10	————	BB	23	CRIMP W/1450C
1451		20	46	BC	10	————	CJ	17	————
1453		20	39	BD	6	————	AP	23	————
1466		20	39	BE	6	————	AR	23	————
1467		20	20	CE	23	————	CL	17	————
1468		20	20	CE	23	————	CL	17	————
1469		20	28	BJ	6	————	AN	23	————
1470		20	28	BJ	6	————	AN	23	————
1471		20	28	BJ	6	————	AN	23	————
1511		20	56	BH	6	————	CH	17	————
1520		20	56	BE	6	————	CZ	17	————
1541		20	35	AAB	23	————	BH	6	————
1634		18	35	AAC	23	————	CZA	10	————
BH8		20	10	BH	6	————	BH	NO TERM	————
BJ8		20	10	BJ	6	————	BJ	NO TERM	————
BJ10		20	10	BJ	6	————	BJ	NO TERM	————
BJ11		20	10	BJ	6	————	BJ	NO TERM	————
BJ12		20	10	BJ	6	————	BJ	NO TERM	————
BE17		20	10	BE	6	————	BE	NO TERM	————
BE37		20	10	BE	6	————	BE	NO TERM	————
BE39		20	10	BE	6	————	BE	NO TERM	————
BE40		20	10	BE	6	————	BE	NO TERM	————
BD27		20	10	BD	6	————	BD	NO TERM	————
BD28		20	10	BD	6	————	BD	NO TERM	————
BD29		20	10	BD	6	————	BD	NO TERM	————
SHD2	WHITE	20	3	BD	SEE DETAIL	CABLE PC1A	BD	SEE DETAIL	CABLE PC1A

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Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
1272A	WHITE	20	50	CJ	17	—	AJ	STRIP	CRIMP W/1272B
1272B		20	3	AJ	23	CRIMP W/1272A	AJ	23	—
1297		20	37	BE	6	—	AV	23	—
1384A		20	24	SB2	STRIP	SEE DETAIL	AB	STRIP	CRIMP W/1384B
1384B		20	3	AB	23	CRIMP W/1384A	AB	STRIP	CRIMP W/1384C
1384C		20	3	AB	23	CRIMP W/1384B	AB	STRIP	CRIMP W/1384D
1384D		20	4	AB	23	CRIMP W/1384C	AD	STRIP	CRIMP W/1384E
1384E		20	3	AD	23	CRIMP W/1384D	AD	STRIP	CRIMP W/1384F
1384F		20	3	AD	23	CRIMP W/1384E	AD	STRIP	CRIMP W/1384G
1384G		20	12	AD	23	CRIMP W/1384F	AA	STRIP	CRIMP W/1384H
1384H		20	3	AA	23	CRIMP W/1384G	AA	STRIP	CRIMP W/1384J
1384J		20	3	AA	23	CRIMP W/1384H	AA	STRIP	CRIMP W/1384K
1384K		20	4	AA	23	CRIMP W/1384J	AC	STRIP	CRIMP W/1384L
1384L		20	3	AC	23	CRIMP W/1384K	AC	STRIP	CRIMP W/1384M
1384M		20	3	AC	23	CRIMP W/1384L	AC	STRIP	CRIMP W/1384N
1384N		20	14	AC	23	CRIMP W/1384M	AF	STRIP	CRIMP W/1384P
1384P		20	3	AF	23	CRIMP W/1384N	AF	STRIP	CRIMP W/1384R
1384R		20	3	AF	23	CRIMP W/1384P	AF	STRIP	CRIMP W/1384S
1384S		20	12	AF	23	CRIMP W/1384R	AE	STRIP	CRIMP W/1384T
1384T		20	3	AE	23	CRIMP W/1384S	AE	STRIP	CRIMP W/1384V
1384V		20	3	AE	23	CRIMP W/1384T	AE	STRIP	CRIMP W/1384W
1384W		20	14	AE	23	CRIMP W/1384V	AH	STRIP	CRIMP W/1384X
1384X		20	3	AH	23	CRIMP W/1384W	AH	STRIP	CRIMP W/1384Y
1384Y		20	12	AH	23	CRIMP W/1384X	AG	STRIP	CRIMP W/1384Z
1384Z		20	3	AG	23	CRIMP W/1384Y	AG	STRIP	CRIMP W/1384AA
1384AA		20	4	AG	23	CRIMP W/1384Z	AJ	STRIP	CRIMP W/1384AB
1384AB		20	3	AJ	23	CRIMP W/1384AA	AJ	STRIP	CRIMP W/1384AC
1384AC		20	14	AJ	23	CRIMP W/1384AB	AK	STRIP	CRIMP W/1384AD
1384AD		20	3	AK	23	CRIMP W/1384AC	AK	STRIP	CRIMP W/1384AE
1384AE		20	4	AK	23	CRIMP W/1384AD	AM	STRIP	CRIMP W/1384AF
1384AF		20	3	AM	23	CRIMP W/1384AE	AM	STRIP	CRIMP W/1384AG
1384AG		20	12	AM	23	CRIMP W/1384AF	AL	STRIP	CRIMP W/1384AH
1384AH		20	3	AL	23	CRIMP W/1384AG	AL	STRIP	CRIMP W/1384AJ
1384AJ		20	3	AL	23	CRIMP W/1384AH	AL	STRIP	CRIMP W/1384AK
1384AK		20	4	AL	23	CRIMP W/1384AJ	AN	STRIP	CRIMP W/1384AL
1384AL		20	3	AN	23	CRIMP W/1384AK	AN	STRIP	CRIMP W/1384AM
1384AM		20	14	AN	23	CRIMP W/1384AL	BA	STRIP	CRIMP W/1384AN
1384AN		20	3	BA	23	CRIMP W/1384AM	BA	STRIP	CRIMP W/1384AP
1384AP		20	3	BA	23	CRIMP W/1384AN	BA	STRIP	CRIMP W/1384AR
1384AR		20	12	BA	23	CRIMP W/1384AP	BB	STRIP	CRIMP W/1384AS
1384AS		20	3	BB	23	CRIMP W/1384AR	BB	STRIP	CRIMP W/1384AT
1384AT		20	3	BB	23	CRIMP W/1384AS	BB	STRIP	CRIMP W/1384AV
1384AV		20	3	BB	23	CRIMP W/1384AT	BB	STRIP	CRIMP W/1384AW
1384AW		20	12	BB	23	CRIMP W/1384AV	SB2	STRIP	SEE DETAIL
1384AX		20	12	BC	10	—	SB2	STRIP	SEE DETAIL
1384AY		20	25	CA	23	CRIMP W/1384AZ	BK	STRIP	CRIMP W/1384CB
1384AZ		20	3	CA	23	CRIMP W/1384AY	CA	STRIP	CRIMP W/1384BA
1384BA		20	3	CA	23	CRIMP W/1384AZ	CA	STRIP	CRIMP W/1384BB
1384BB		20	4	CA	23	CRIMP W/1384BA	CB	STRIP	CRIMP W/1384BC
1384BC	WHITE	20	3	CB	23	CRIMP W/1384BB	CB	STRIP	CRIMP W/1384BD

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
124	WHITE	20	35	AZ	23	_____	BH	6	_____
149A		20	6	CH	17	_____	SC1	STRIP	SEE DETAIL
149B		20	50	BJ	6	_____	SC1	STRIP	SEE DETAIL
149C		20	34	CY	27	_____	SC1	STRIP	SEE DETAIL
169		20	37	AV	23	_____	BE	6	_____
193		20	48	AM	23	_____	CK	17	_____
194		16	13	CG	28	_____	CK	17	_____
212		18	85	CE	23	_____	CP	10	_____
213		20	85	CE	23	_____	CP	10	_____
214		20	79	CL	17	_____	CP	10	_____
268A		20	20	CE	STRIP	CRIMP W/268B	CK	17	_____
268B		20	3	CE	23	_____	CE	23	CRIMP W/268B
338		20	37	BH	6	_____	AW	23	_____
346		20	39	BD	6	_____	AP	23	_____
347		20	39	BD	6	_____	AS	23	_____
350		20	104	BE	6	_____	CR	36,37	_____
367		20	25	BG	10	_____	BE	6	_____
368		20	25	BG	10	_____	BD	6	_____
371		20	25	BG	10	_____	BE	6	_____
439		20	57	BE	6	_____	AAA	23	_____
440		20	39	BH	6	_____	AT	23	_____
469		20	48	BE	6	_____	CD	23	_____
470		20	48	BE	6	_____	CD	23	_____
473		20	4	BE	STRIP	SEE DETAIL	BE	STRIP	NO TERM
474		20	5	BE	STRIP	SEE DETAIL	BE	STRIP	NO TERM
475		20	6	BE	STRIP	SEE DETAIL	BE	STRIP	NO TERM
504		20	32	AE	23	_____	BJ	6	_____
601A		20	11	BR	30	_____	BS	31	_____
609		20	25	BG	10	_____	BE	6	_____
627		20	37	BD	6	_____	AY	23	_____
630		20	14	AE	23	_____	AG	23	_____
631		20	30	AG	23	_____	BJ	6	_____
636A		20	25	BG	10	_____	BE	6	_____
652		20	56	BE	6	_____	CK	17	_____
709B		20	39	BD	6	_____	BS	31	_____
713		20	56	BE	6	_____	CJ	17	_____
787		20	32	BD	6	_____	AF	23	_____
799		20	46	BD	6	_____	CB	23	_____
842		20	35	BE	6	_____	AAA	23	_____
896		18	35	BM	27	_____	AJ	23	_____
910		18	35	BM	27	_____	AJ	23	_____
1145		20	47	CL	17	_____	AW	23	_____
1195A		20	36	BR	STRIP	CRIMP W/1195B	BD	6	_____
1195B		20	28	BR	58	CRIMP W/1195A	CL	17	_____
1234		20	39	BD	6	_____	AS	23	_____
1257A		18	22	BV	10	_____	BD	6	_____
1257B		18	22	BV	10	_____	BE	6	_____
1257C		18	22	BV	10	_____	BE	6	_____
1257D		14	42	BV	13	_____	CJ	14	_____
1269	WHITE	20	56	BD	6	_____	CL	17	_____

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Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
51AJ	WHITE	20	14	AR	23	CRIMP W/51AH	AY	23	CRIMP W/51BL
51AN		20	14	BL	10	—	BP	STRIP	CRIMP W/51AP
51AP		20	22	BP	28	CRIMP W/51AN	CA	STRIP	CRIMP W/51AS
51AS		20	4	CA	23	CRIMP W/51AP	CB	STRIP	CRIMP W/51AT
51AT		20	14	CB	23	CRIMP W/51AS	CD	STRIP	CRIMP W/51AW
51AW		20	4	CD	23	CRIMP W/51AT	CE	23	—
51AX		14	10	CM	13	—	CG	STRIP	CRIMP W/51AY
51AY		18	7	CG	32	CRIMP W/51AX	CF	17	—
51AZ		14	34	CM	13	—	BL	13	—
51BA		14	11	CM	13	—	CK	14	—
51BB		20	136	CM	10	—	CN	STRIP	CRIMP W/51BC
51BC		20	68	CN	61	CRIMP W/51BB	CP	10	—
51BD		18	117	CM	10	—	CX	STRIP	CRIMP W/51BE
51BE		18	68	CX	26	CRIMP W/51BD	CW	STRIP	CRIMP W/51BF
51BF		18	26	CW	26	CRIMP W/51BE	CS	10	—
51BG		18	59	CR	36,37	—	CM	10	—
51BH		18	37	CY	53	—	CM	10	—
51BJ		18	22	AAC	23	—	BL	10	—
51BK		18	19	CZA	10	—	CM	10	—
51BL		20	4	AW	23	—	AY	STRIP	CRIMP W/51AJ
54A		20	33	BE	6	—	BP	STRIP	CRIMP W/54B
54B		20	25	BP	28	CRIMP W/54A	AK	STRIP	CRIMP W/54C
54C		20	3	AK	23	CRIMP W/54B	AK	STRIP	CRIMP W/54D
54D		20	19	AK	23	CRIMP W/54C	BK	STRIP	CRIMP W/54E
54E		20	3	BK	28	CRIMP W/54D	BK	28	—
56		18	94	AM	23	—	CW	27	—
64		18	77	BF	10	—	CS	10	—
65		18	77	BF	10	—	CS	10	—
66		18	77	BF	10	—	CS	10	—
67		20	23	BF	10	—	BD	6	—
68		20	43	BF	10	—	CK	17	—
73		20	56	BE	6	—	CK	17	—
74		20	56	BE	6	—	CK	17	—
75		20	34	BD	6	—	AD	23	—
76		20	34	AB	23	—	BD	6	—
77		20	34	AC	23	—	BD	6	—
78		20	34	AA	23	—	BE	6	—
79		20	44	CA	23	—	BD	6	—
80		20	44	CA	23	—	BD	6	—
81		20	34	AD	23	—	BD	6	—
82		20	34	AB	23	—	BD	6	—
83		20	34	AC	23	—	BD	6	—
84		20	34	AA	23	—	BD	6	—
91		20	26	BB	23	—	BJ	6	—
97		20	27	BE	6	—	BG	27	—
101		20	26	BE	6	—	BA	23	—
109		20	37	BE	6	—	AX	23	—
112A		20	25	CF	17	—	BS	STRIP	CRIMP W/112B
112B		20	25	BS	61	CRIMP W/112A	CK	17	—
113	WHITE	20	120	CX	27	—	CK	17	—

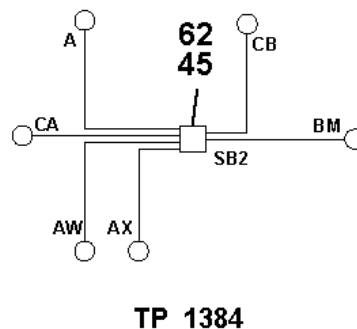
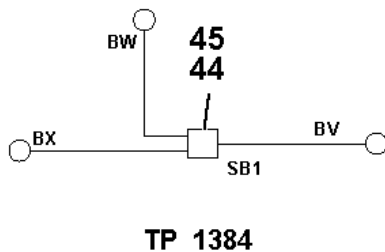
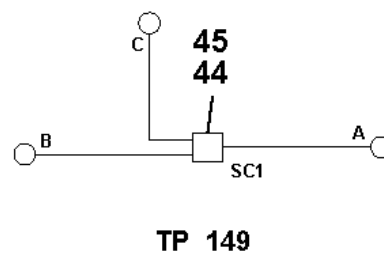
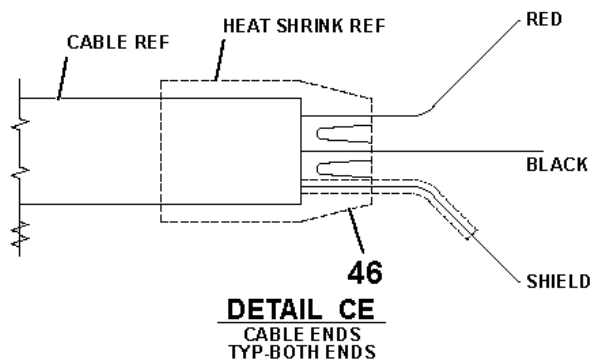
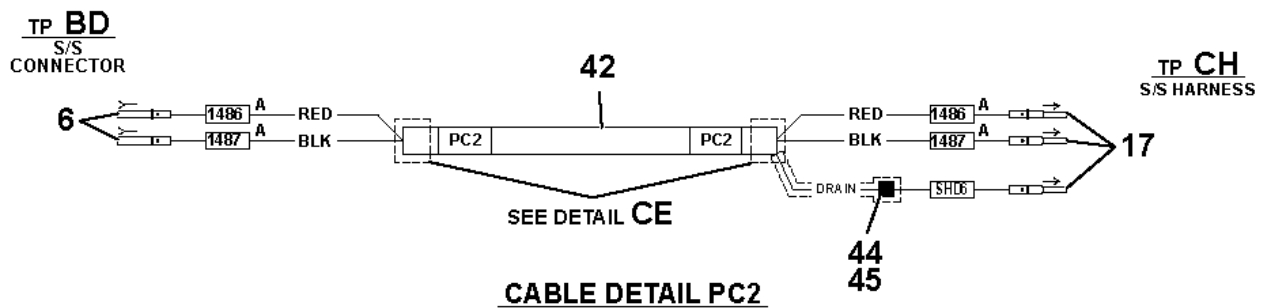
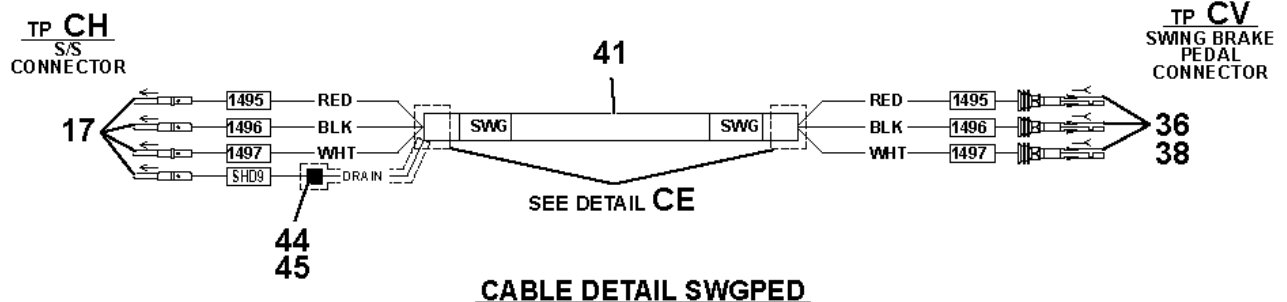
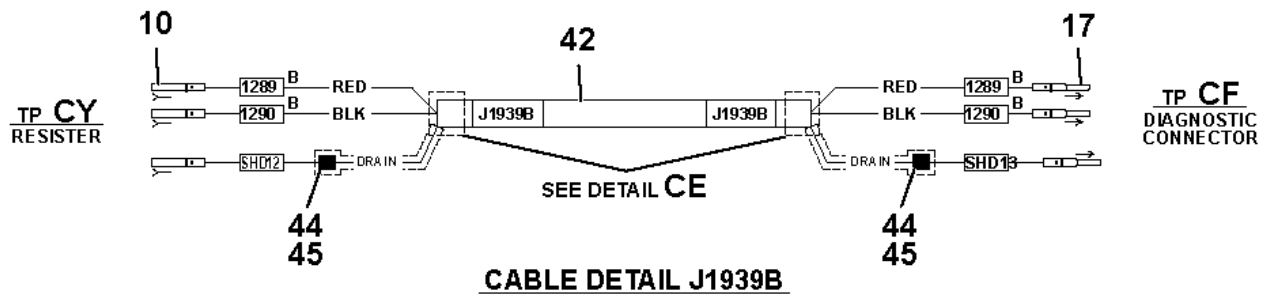
Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
3	WHITE	20	27	BK	27	————	BE	6	————
4		20	27	BK	27	————	BE	6	————
10		20	33	BP	27	————	BE	6	————
12		20	28	AK	23	————	BE	6	————
14		20	30	BH	6	————	BN	23	————
15		20	30	BH	6	————	BN	23	————
16		20	23	BF	10	————	BD	6	————
17		20	23	BF	10	————	BD	6	————
31		20	39	AR	23	————	BD	6	————
32		20	27	BK	27	————	BE	6	————
33		20	30	AH	23	————	BE	6	————
35A		20	39	BS	STRIP	CRIMP W/35B	BD	6	————
35B		20	28	BG	10	————	BS	61	CRIMP W/35A
35C		18	25	BS	61	CRIMP W/35D	CK	17	————
35D		18	15	BS	STRIP	CRIMP W/35C	CZA	10	————
43A		20	139	CK	17	————	CN	STRIP	CRIMP W/43B
43B		20	162	CN	28	CRIMP W/43A	BK	STRIP	CRIMP W/43C
43C		20	21	BK	28	CRIMP W/43B	AH	STRIP	CRIMP W/43D
43D		20	4	AH	23	CRIMP W/43C	AK	STRIP	CRIMP W/43E
43E		20	3	AK	23	CRIMP W/43D	AK	STRIP	CRIMP W/43F
43F		20	15	AK	23	CRIMP W/43E	BF	10	————
51A		18	31	AB	STRIP	CRIMP W/51B	BL	10	————
51B		20	4	AD	STRIP	CRIMP W/51C	AB	22	CRIMP W/51A
51C		20	12	AA	STRIP	CRIMP W/51D	AD	23	CRIMP W/51B
51D		20	4	AC	STRIP	CRIMP W/51E	AA	23	CRIMP W/51C
51E		20	14	AF	STRIP	CRIMP W/51F	AC	23	CRIMP W/51D
51F		20	12	AE	STRIP	CRIMP W/51G	AF	23	CRIMP W/51E
51G		20	10	AG	STRIP	CRIMP W/51H	AE	23	CRIMP W/51F
51H		20	4	AJ	STRIP	CRIMP W/51J	AG	23	CRIMP W/51G
51J		20	12	AH	STRIP	CRIMP W/51K	AJ	23	CRIMP W/51H
51K		20	4	AK	STRIP	CRIMP W/51L	AH	23	CRIMP W/51J
51L		20	4	AM	STRIP	CRIMP W/51M	AK	23	CRIMP W/51K
51M		20	12	AL	STRIP	CRIMP W/51N	AM	23	CRIMP W/51L
51N		20	4	AN	STRIP	CRIMP W/51P	AL	23	CRIMP W/51M
51P		20	14	BA	STRIP	CRIMP W/51R	AN	23	CRIMP W/51N
51R		20	12	BB	STRIP	CRIMP W/51S	BA	23	CRIMP W/51P
51S		20	4	BC	10	————	BB	23	CRIMP W/51R
51T		20	23	BL	10	————	BC	10	————
51V		20	33	BL	10	————	BD	6	————
51W		20	33	BL	10	————	BD	6	————
51X		20	33	BL	10	————	BH	6	————
51Y		20	33	BL	10	————	BJ	6	————
51Z		20	16	BL	10	————	BM	STRIP	CRIMP W/51AA
51AA		20	22	BM	26	CRIMP W/51Z	BK	STRIP	CRIMP W/51AB
51AB		20	3	BK	26	CRIMP W/51AA	BK	27	————
51AC		20	24	BL	10	————	AX	STRIP	CRIMP W/51AE
51AE		20	4	AX	23	CRIMP W/51AC	AV	STRIP	CRIMP W/51AF
51AF		20	4	AV	23	CRIMP W/51AE	AS	STRIP	CRIMP W/51AG
51AG		20	4	AS	23	CRIMP W/51AF	AP	STRIP	CRIMP W/51AH
51AH	WHITE	20	12	AP	23	CRIMP W/51AG	AR	STRIP	CRIMP W/51AJ

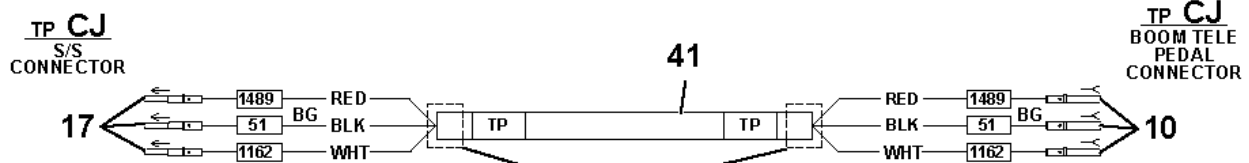
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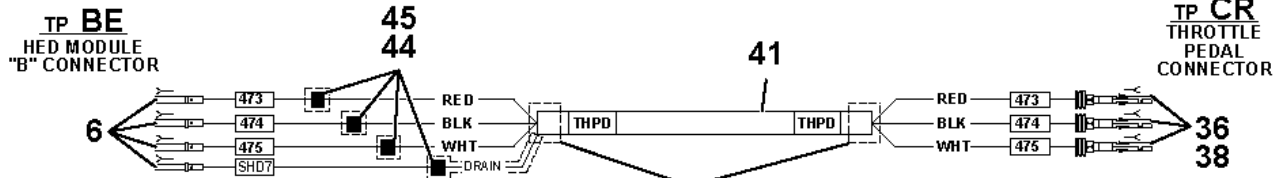
Manitowoc Cranes



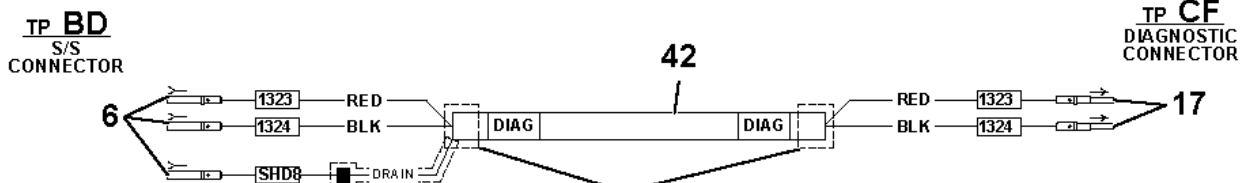
Manitowoc Cranes



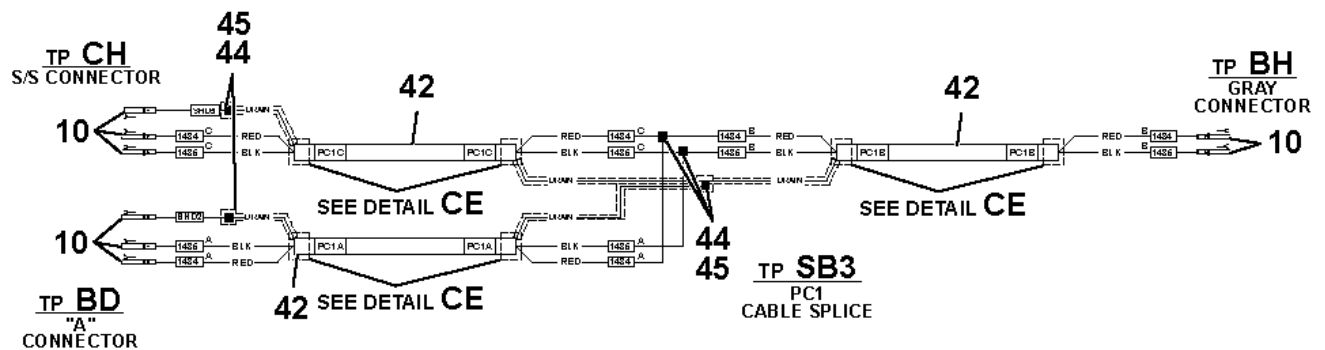
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CABLE DETAIL TP



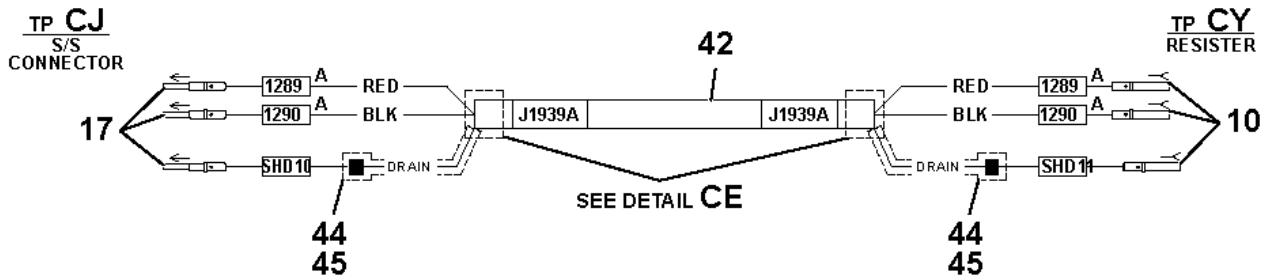
SEE DETAIL CE
CABLE DETAIL THPD



SEE DETAIL CE
CABLE DETAIL DIAG



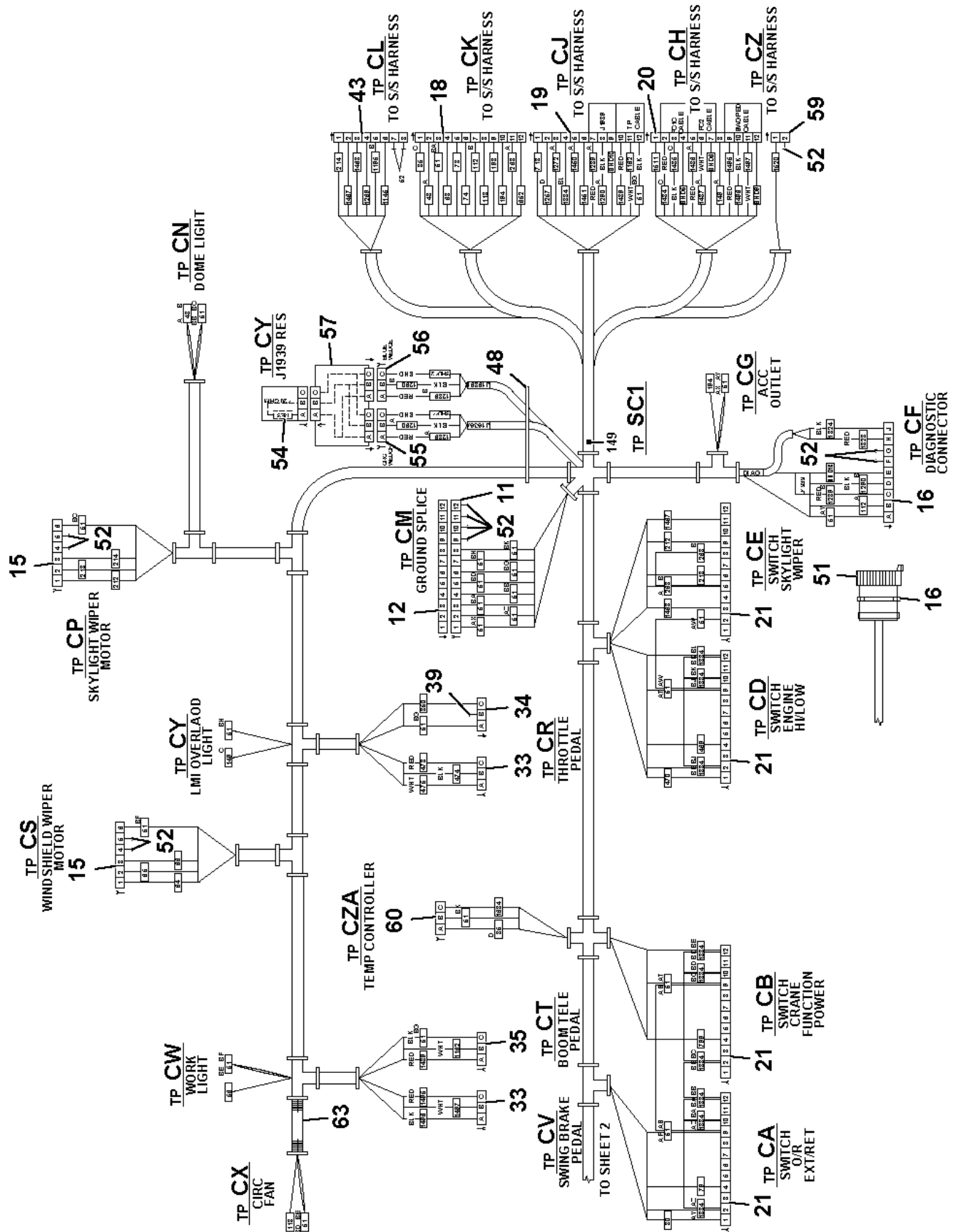
CABLE DETAIL PC1



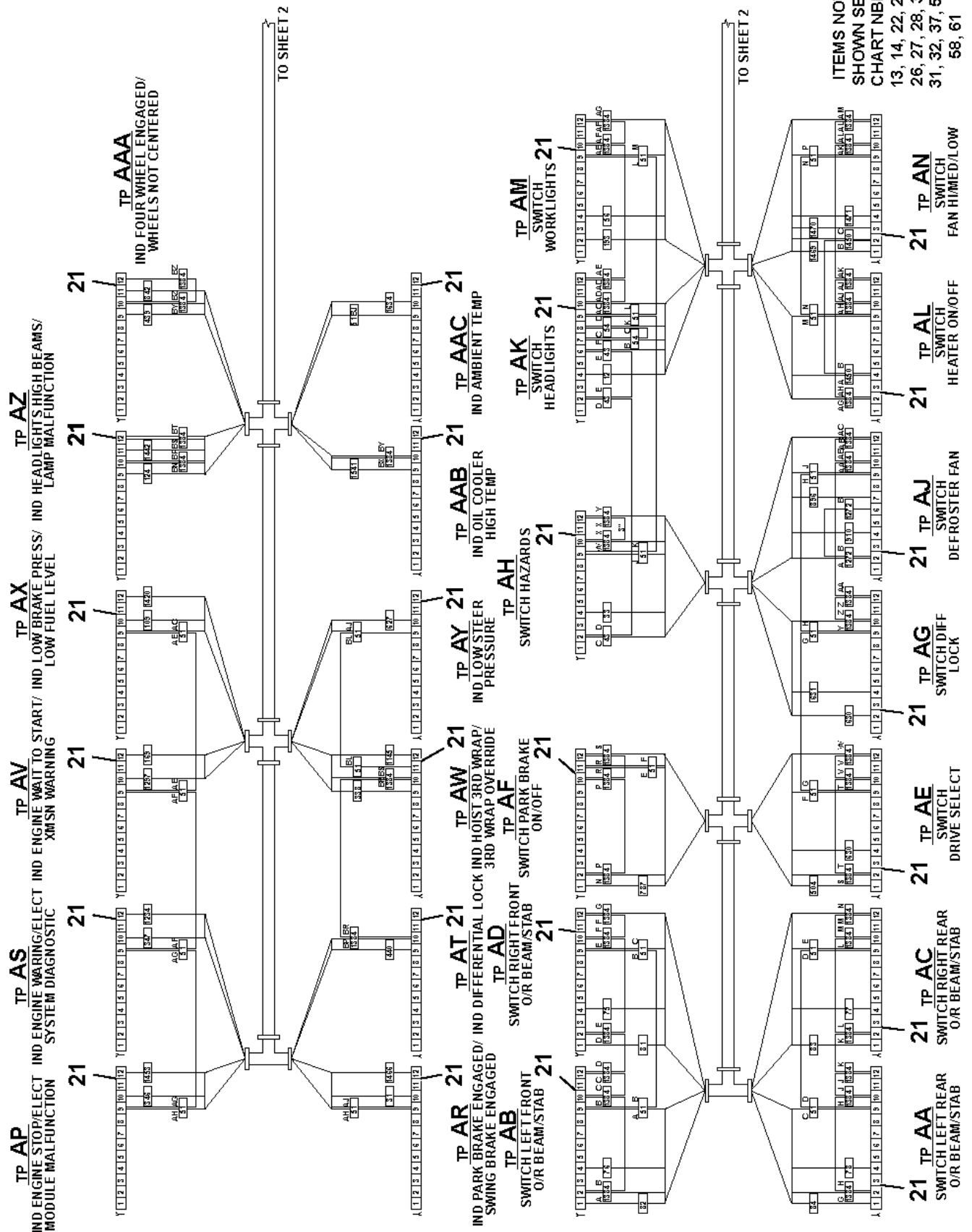
CABLE DETAIL J1939A

80019587

(SHEET 4 OF 11)







Manitowoc Cranes

Description				Assembly No.
HARNESS ASSEMBLY-FRONT CONSOLE				80019587
				Revision: B
Item	FN	Part	Qty	Description
4		7709100883	1	PLUG, 40 SOCKET
5		7709100884	1	PLUG, 40 SOCKET
6		7826100018	98	SOCKET, 20 GAUGE GOLD
7		7709100907	1	PLUG DTM06,12SA W/WM-12S WEDGE
8		7709100908	1	PLUG DTM06-12SB W/WM-12S WEDGE
9		7709000845	2	PLUG 8 SOCKET
10		7826100004	58	SOCKET, (16 - 18) 30 SERIES
11		7709000846	3	PLUG, 12 SOCKET
12		7892001036	2	RECEPTACLE, SPLICE BLOCK
13		7826000087	4	SOCKET, 16-14 GA
14		7689000704	2	PIN, 16 - 14 GA
15		7709000883	3	PLUG 6 SOCKET
16		7892001053	1	RECEPTACLE, 9 PIN
17		7689002053	52	PIN 16 - 18 AWG
18		7892000951	1	RECEPTACLE, 12 PIN
19		7892100086	2	RECEPT, DTO4-12PB-C015 W/WEDGE
20		7892100087	1	RECEPT, DTO4-12PC-C015 W/WEDGE
21		7364100184	32	CONNECTOR, L-SERIES SWITCHES
22		7892100058	1	TERMINAL, FM MP 630 SERIES
23		7892100059	152	TERMINAL, FM MP 630 SERIES
25		7892100026	1	RECEPT, (8P) SPLICE BLOCK
26		7345001746	4	TERMINAL, MALE 16 - 14 AWG
27		7345001444	10	TERMINAL, FEMALE
28		7345001744	8	TERMINAL, FEMALE 16 - 14 AWG
30		7892001001	1	FERRULE, SINGLE WIRE (RED)
31		7345211401	3	TERMINAL 22 - 18 AWG
32		7345001944	1	TERMINAL, FEMALE 12 - 10 AWG
33		7364001684	2	CONNECTOR, 3 CONDUCTOR TOWER WITH SEAL

Manitowoc Cranes

Description HARNESS ASSEMBLY-FRONT CONSOLE				Assembly No. 80019587 Revision: B
Item	FN	Part	Qty	Description
34		7364001685	1	CONNECTOR, 3 CONDUCTOR SHROUD
35		7709000874	1	PLUG 3 SOCKET
36		7892000254	8	TERMINAL, GREEN CABLE SEAL
37		7892000252	2	TERMINAL, MALE PIN
38		7892000253	6	TERMINAL, FEMALE SLEEVE
39		7892000257	1	TERMINAL, GREEN CAVITY SEAL
41		7246100020	22	CABLE, SHIELDED
42		7246100321	18	CABLE 18GA
43		7892000950	1	RECEPTACLE, 8 PIN
44		7892000194	18	PARALLEL, NON - INSULATED 16 - 14 AWG
45		8594100256	3	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
46		8594100257	2	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
48		7850000208	50	CABLE TIE, BLACK
51		7258100154	1	CAP, DEUTSCH HDC16 - 9 DUST
52		7689000503	23	PLUG, SEALING 16 - 12 AWG
53		7345001446	1	TERMINAL, MALE 22 - 18 AWG
54		7709100902	1	PLUG, 3 PIN
55		7709000874	1	PLUG 3 SOCKET
56		7709100911	1	PLUG,DT06-3S-CEO6 W/BLOCK WEDGE
57		7892100036	1	RECEPTACLE, 3 WAY
58		7892001002	1	FERRULE, SINGLE WIRE (BLACK)
59		7892000949	1	RECEPTACLE, 2 PIN
60		7709000874	1	PLUG 3 SOCKET

Manitowoc Cranes

Description

HARNESS ASSEMBLY-FRONT CONSOLE

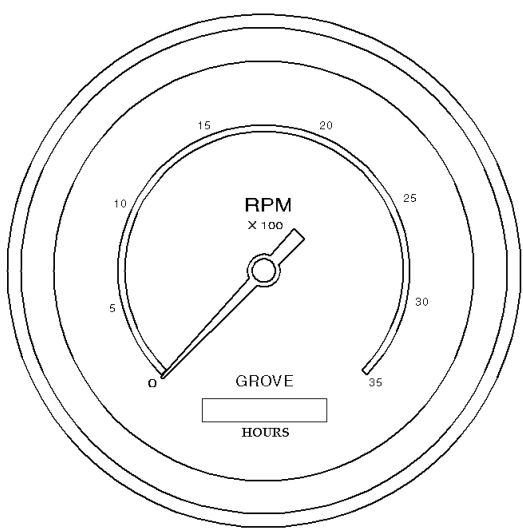
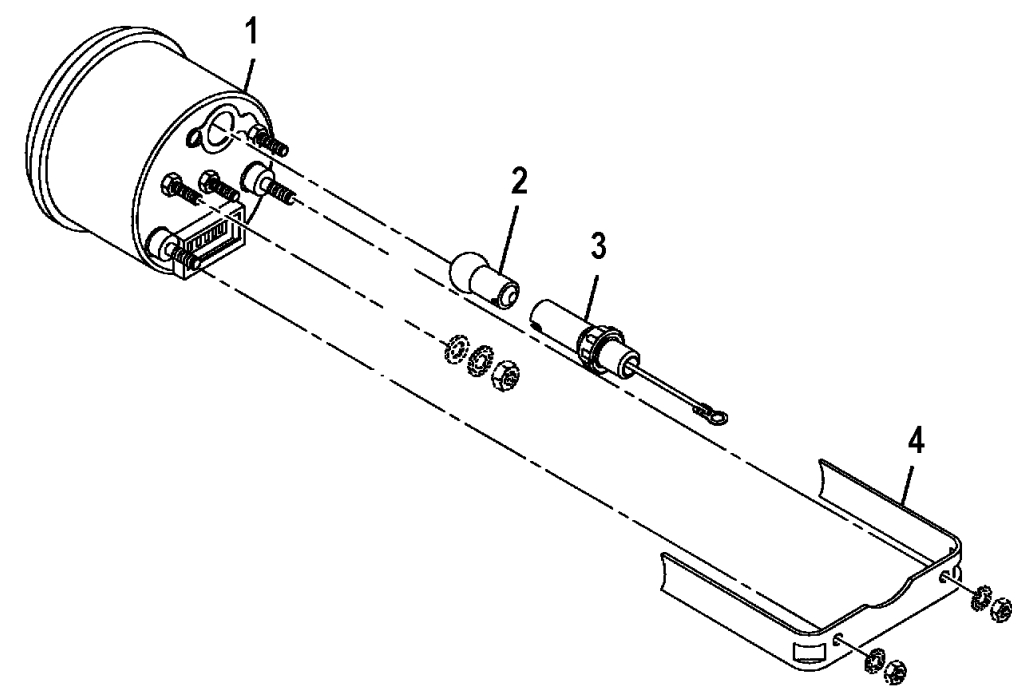
Assembly No.

80019587

Revision: **B**

Item	FN	Part	Qty	Description
61		7345211701	4	TONGUE, INSULATED RING
62		7892000195	1	PARALLEL, NON - INSULATED 12 - 10 AWG
63		8594000019	5	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)

Manitowoc Cranes



DIP SWITCH SETTING CODE: 134	
PIN NUMBER	PIN POSITION
1	CLOSED
2	CLOSED
3	OPEN
4	OPEN
5	CLOSED
6	OPEN
7	CLOSED
8	OPEN

Manitowoc Cranes

Description

GAUGE, 12 VOLT TACHOMETER (WITH HOURMETER)

Assembly No.

7486100100

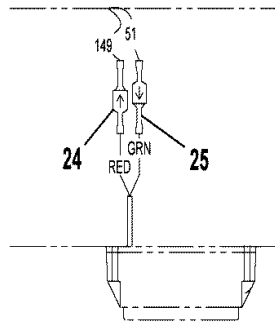
Revision:

Item	FN	Part	Qty	Description
1		NSS	1	GAUGE
2		9581100406	1	BULB, 12 VOLT
3		9581100407	1	SOCKET,
4		9486100290	1	KIT,HARDWARE USE HARDWARE AS REQUIRED

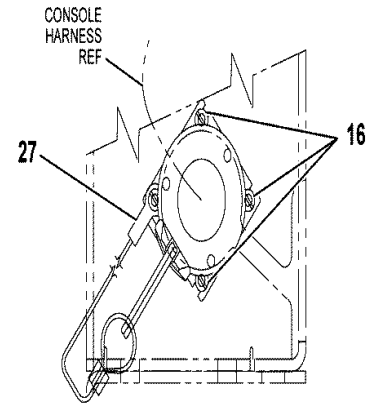
Manitowoc Cranes

Notes

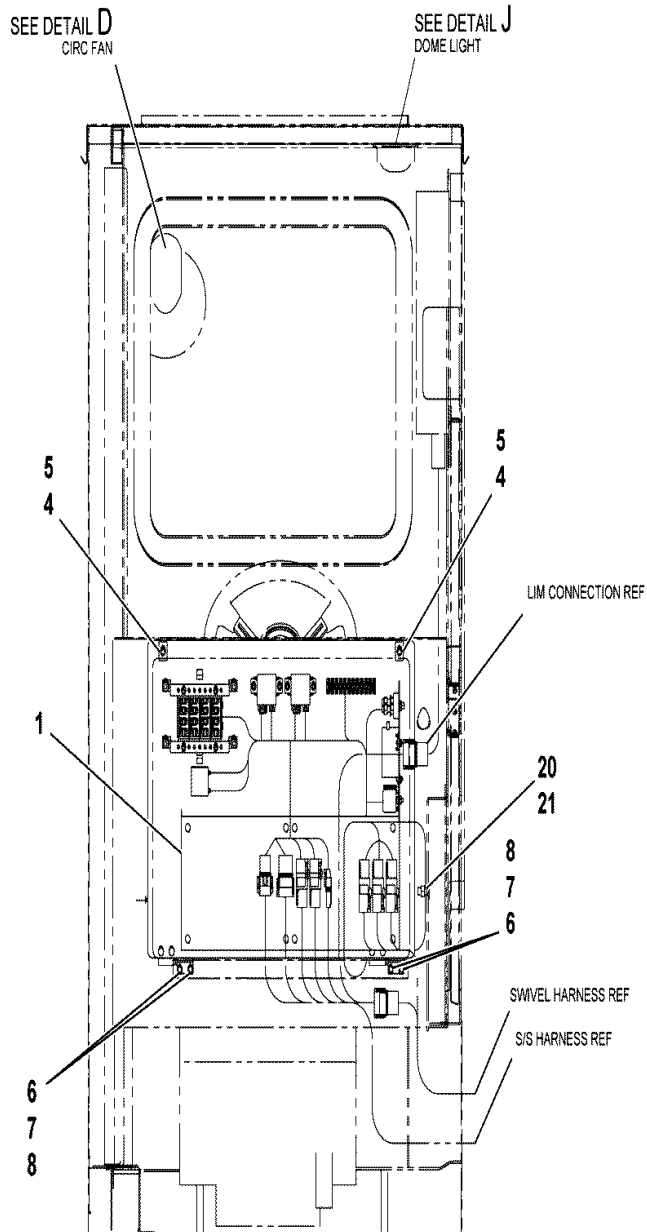
Manitowoc Cranes



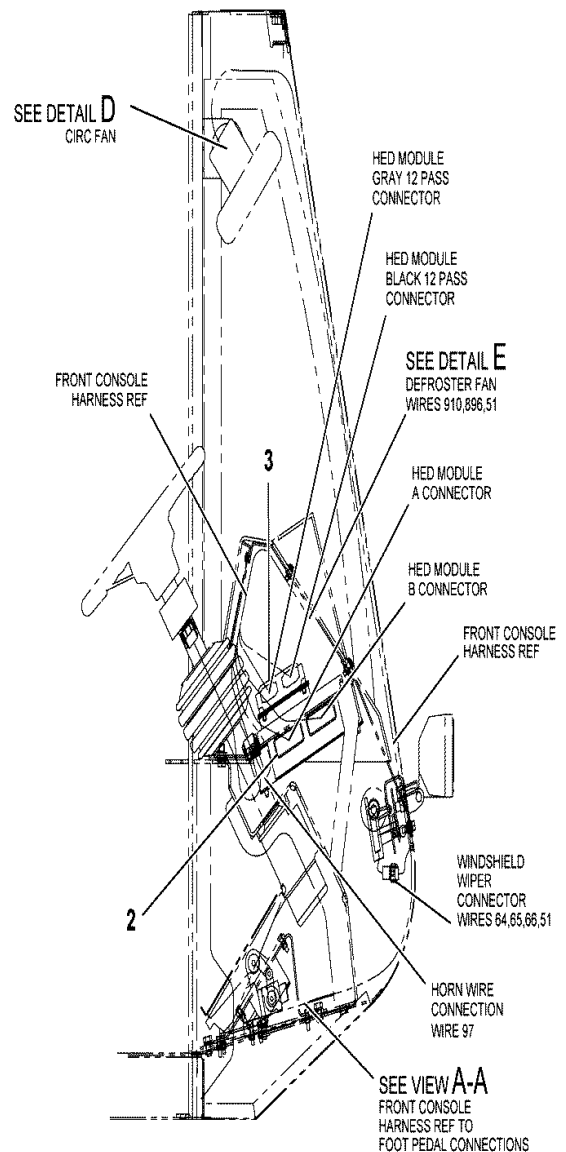
DETAIL-K
LMI WARNING LIGHT (CE)
TAPE & STOW WHEN NOT USED.



DETAIL-H
DIAGNOSTIC
CONNECTOR



VIEW B-B



VIEW C-C

[illegible]

Manitowoc Cranes

Description

**ELECTRICAL SYSTEM INSTALLATION - SUPERSTRUCTURE CAB
(DOMESTIC)**

Assembly No.

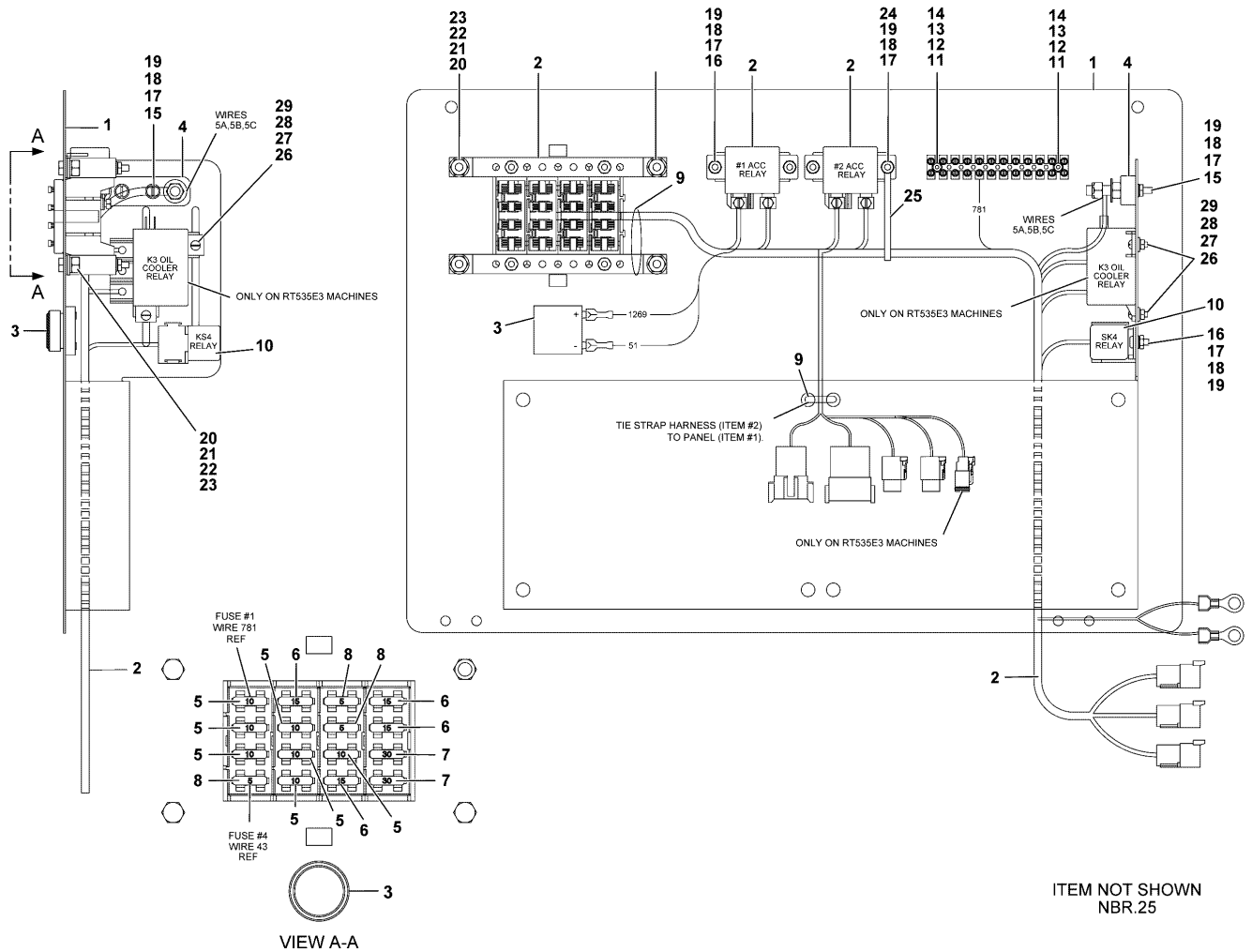
6978100900
Revision: **A**

Item	FN	Part	Qty	Description
1	+	6679100195	1	PANEL ASSEMBLY - FUSE AND RELAY (SUPERSTRUCTURE CAB) (COMPLETE ASSEMBLY)
2	#	7352100053	1	MODULE, CONTROL (CAB)
3	#	7352100064	1	I/O CONTROL MODULE
4		7099001159	2	SCREW, THUMB
5		7659000256	2	NUT, RETAINING 5/16" - 18 N.C.
6		7115140550	8	CAP SCREW, 1/4" - 20 N.C. X 5/8" GRADE 5
7		7950140050	8	WASHER, LOCK 1/4"
8		7519000198	2	HINGE, LEFT HAND NYLON LIFT OFF
9		7245100058	1	COVER, FUSE
10		7659190019	8	NUT, RETAINING M6
11		7951150014	8	WASHER, 6MM I.D.
12		7126151153	6	CAP SCREW, M6X20 HEX HEAD
13		7126151353	2	CAP SCREW, M6X30 HEX HEAD
14		6245101066	1	BRACKET, MODULE SUPPORT
15		7892000999	1	RECEPTACLE, 12 VOLT DASH MOUNT
16		7790060673	4	SCREW, SELF-TAPPING
20		7660160000	1	NUT, HEX 3/8" - 16 N.C.
21		7950160350	2	WASHER, LOCK 3/8" I.D.
24		7345001446	6	TERMINAL, MALE 22 - 18 AWG
25		7345001444	4	TERMINAL, FEMALE
26		7850000208	25	CABLE TIE, BLACK
27		7246002555	1	CABLE ASSY

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
PANEL ASSEMBLY - FUSE AND RELAY (SUPERSTRUCTURE CAB) (COMPLETE ASSEMBLY)				6679100195
				Revision: #
Item	FN	Part	Qty	Description
1	+	2188410002	1	PANEL
2		6512100914	1	HARNESS ASSEMBLY - FUSE AND RELAY PANEL (SUPERSTRUCTURE CAB) (COMPLETE ASSEMBLY)
3		7025000821	1	ALARM, FAST PULSE BUZZER
4		7086001082	1	HOLDER, FUSE
5		7482000033	7	FUSE, 10 AMP
6		7482000032	4	FUSE, 15 AMP
7		7482000029	2	FUSE, 30 AMP
8		7482000035	3	FUSE, 5 AMP
9		7850000208	2	CABLE TIE, BLACK
10		7750000055	1	RELAY, 12 VOLT DC
11		7111040610	2	SCREW, MACHINE 7/64" - 40 N.C. X 3/4" GRADE 1
12		7950040050	2	LOCKWASHER, 7/64" I.D.
13		7950040141	2	WASHER, 7/64" I.D.
14		7660041100	2	NUT, HEX 7/64" - 40 N.C. GRADE 1
15		7111100807	2	SCREW, MACHINE 3/16" - 24 N.C. X 1" GRADE 1
16		7111100611	4	SCREW, MACHINE 3/16" - 24 N.C. X 3/4" GRADE 1
17		7950100141	7	WASHER, FLAT, #10
18		7950100050	7	WASHER, LOCK #10
19		7660101100	7	NUT, HEX 3/16" - 32 N.F. GRADE 1
20		7115140450	4	CAP SCREW, 1/4" - 20 N.C. X 1/2" GRADE 5
21		7950140141	4	WASHER, FLAT 1/4" PLAIN NARROW
22		7950140050	4	WASHER, LOCK 1/4"
23		7660140000	4	NUT, HEX 1/4" - 20 N.C.

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

**PANEL ASSEMBLY - FUSE AND RELAY (SUPERSTRUCTURE CAB)
(COMPLETE ASSEMBLY)**

Assembly No.

6679100195

Revision: #

Item	FN	Part	Qty	Description
24		7111100811	1	SCREW, MACHINE 3/16" - 24 N.C. X 1" GRADE 1
25		7850000831	1	TIE, 8.14" LONG CABLE (BLACK)
26		7111080410	2	SCREW, MACHINE 5/32" - 32 N.C. X 1/2" GRADE 1
27		7660080000	2	USE 7660081100
28		7950080050	2	LOCKWASHER, 5/32" I.D.
29		7950080141	2	FLATWASHER, 5/32" I.D.

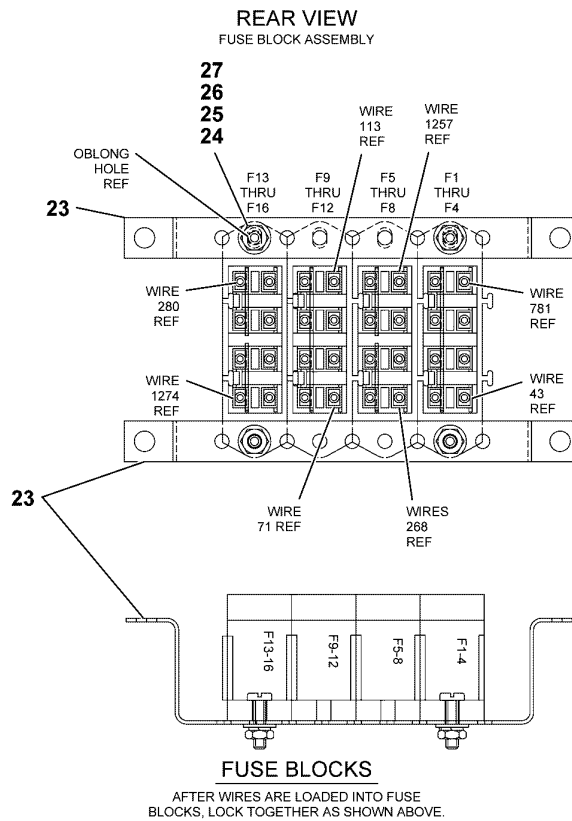
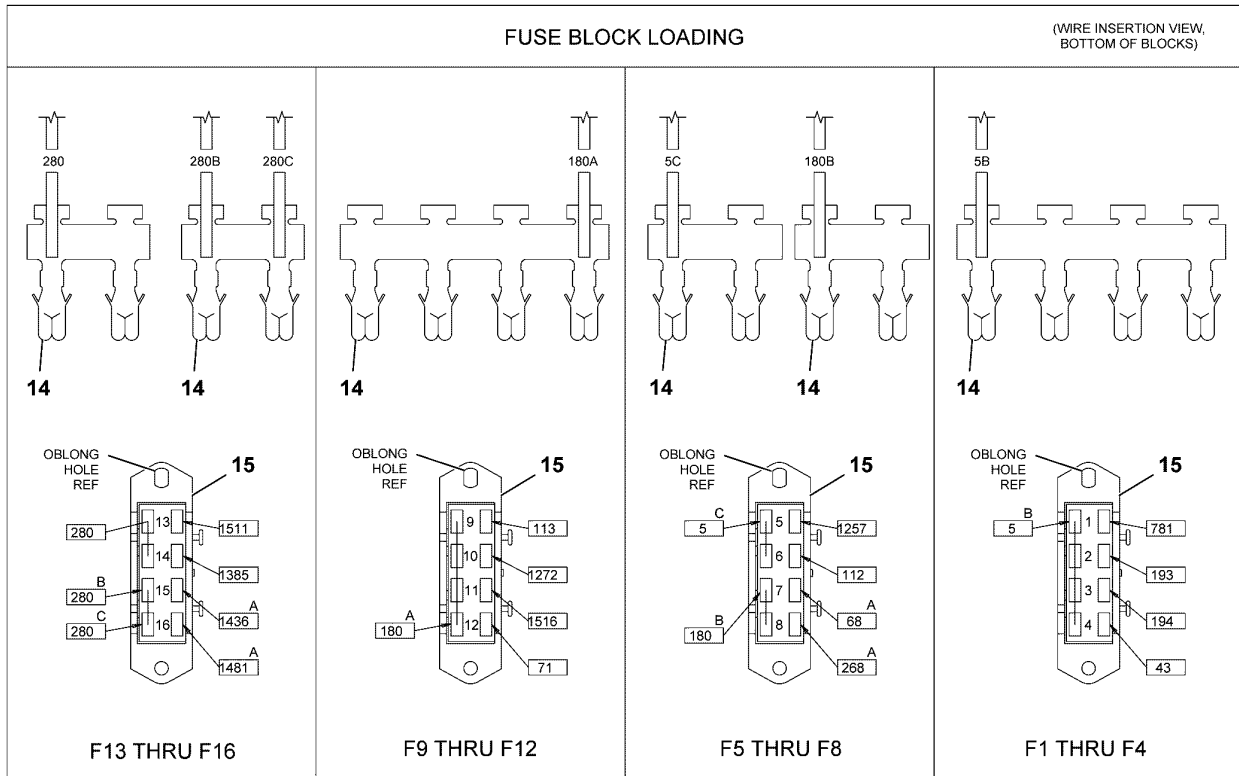
Manitowoc Cranes

Notes

Manitowoc Cranes

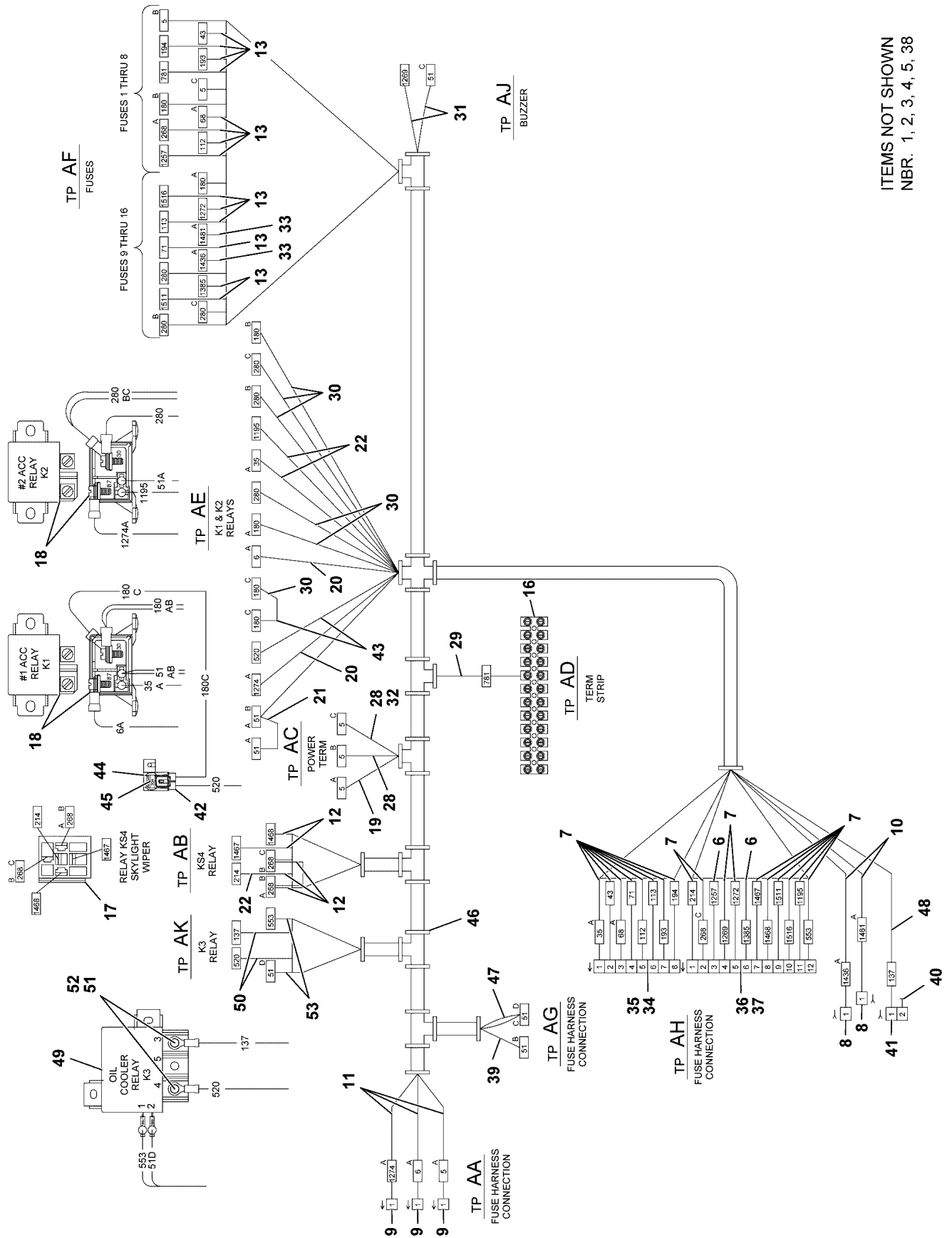
WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
5A	WHITE GXL	6	26	AA	11	_____	AC	19	_____
5B		10	27	AC	28	_____	AF	STRIP	SEE DETAIL
5C		10	27	AC	28,32	_____	AF	STRIP	SEE DETAIL
6A		6	35	AA	11	_____	AE	20	_____
35A		18	13	AH	7	_____	AE	22	_____
43		18	20	AH	7	_____	AF	13	_____
51A		18	6	AE	22	_____	AE	21	CRIMP/W 51B
51B		18	45	AG	39	_____	AE	STRIP	CRIMP/W 51A
51C		18	50	AJ	31	_____	AG	STRIP	CRIMP/W 51D
51D		18	31	AK	53	_____	AG	47	CRIMP/W 51C
68A		16	20	AF	13	_____	AH	7	_____
71		14	20	AH	7	_____	AF	13	_____
112		16	20	AH	7	_____	AF	13	_____
113		18	20	AH	7	_____	AF	13	_____
137		12	29	AH	48	_____	AK	50	_____
180A		10	17	AE	30	_____	AF	STRIP	SEE DETAIL
180B		12	17	AF	STRIP	SEE DETAIL	AE	30	_____
180C		6	6	AE	43	_____	AE	30	_____
193		16	20	AH	7	_____	AF	13	_____
194		16	20	AH	7	_____	AF	13	_____
214		18	26	AH	7	_____	AB	12	_____
268A		16	30	AF	13	_____	AB	12	CRIMP/W 268B
268B		16	3	AB	12	CRIMP/W 268C	AB	STRIP	CRIMP/W 268A
268C		16	26	AB	STRIP	CRIMP/W 268B	AH	7	_____
280B		10	17	AE	30	_____	AF	STRIP	SEE DETAIL
280C		10	17	AE	30	_____	AF	STRIP	SEE DETAIL
280		10	17	AF	STRIP	SEE DETAIL	AE	30	_____
520		12	27	AE	43	_____	AK	50	_____
553		18	29	AK	53	_____	AH	7	_____
781		16	25	AD	29	_____	AF	13	_____
1195		18	13	AE	22	_____	AH	7	_____
1257		14	20	AF	13	_____	AH	6	_____
1269		18	18	AH	7	_____	AJ	31	_____
1272		16	20	AH	7	_____	AF	13	_____
1274A		6	35	AA	11	_____	AE	20	_____
1385		14	20	AH	6	_____	AF	13	_____
1436A		10	20	AH	10	_____	AF	33	_____
1467		16	26	AH	7	_____	AB	12	_____
1468		18	26	AH	7	_____	AB	12	_____
1481A		10	20	AH	10	_____	AF	33	_____
1511		16	20	AH	7	_____	AF	13	_____
1516	WHITE GXL	16	20	AH	7	_____	AF	13	_____

Manitowoc Cranes



6512100914

(SHEET 2 OF 3)



Manitowoc Cranes

Description

**HARNESS ASSEMBLY - FUSE AND RELAY PANEL (SUPERSTRUCTURE CAB)
(COMPLETE ASSEMBLY)**

Assembly No.

6512100914

Revision: #

Item	FN	Part	Qty	Description
6	#	7689000704	2	PIN, 16 - 14 GA
7		7689001782	18	PIN, 18 - 16 GAGE
8		7709000876	2	PLUG, 1 SOCKET
9		7892000939	3	RECEPTACLE, 1 PIN
10		7826000635	2	SOCKET, 8 AWG
11		7689000813	3	PIN 4 AWG
12		7345001752	5	TERMINAL 16 - 14 AWG
13		7892000218	14	FUSE, TERMINAL 16 - 14 AWG
14		7892000220	16	FUSE, BUSS BAR 12 - 10 AWG
15		7086000947	4	BLOCK, FUSE
16		7086000875	1	STRIP, TERMINAL
17		7826000079	1	SOCKET, RELAY
18		7750000056	2	RELAY, 75 AMP
19		7345232101	1	TERMINAL 6 AWG
20		7345212101	2	TERMINAL 6 AWG
21		7345001744	1	TERMINAL, FEMALE 16 - 14 AWG
22		7345001444	3	TERMINAL, FEMALE
23		6184001406	2	BRACKET, FUSE
24		7111100611	4	SCREW, MACHINE 3/16" - 24 N.C. X 3/4" GRADE 1
25		7950100050	4	WASHER, LOCK #10
26		7950100141	4	WASHER, FLAT, #10
27		7660101100	4	NUT, HEX 3/16" - 32 N.F. GRADE 1
28		7345231901	2	TERMINAL 12 - 10 AWG
29		7892001002	1	FERRULE, SINGLE WIRE (BLACK)

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description

**HARNESS ASSEMBLY - FUSE AND RELAY PANEL (SUPERSTRUCTURE CAB)
(COMPLETE ASSEMBLY)**

Assembly No.

6512100914

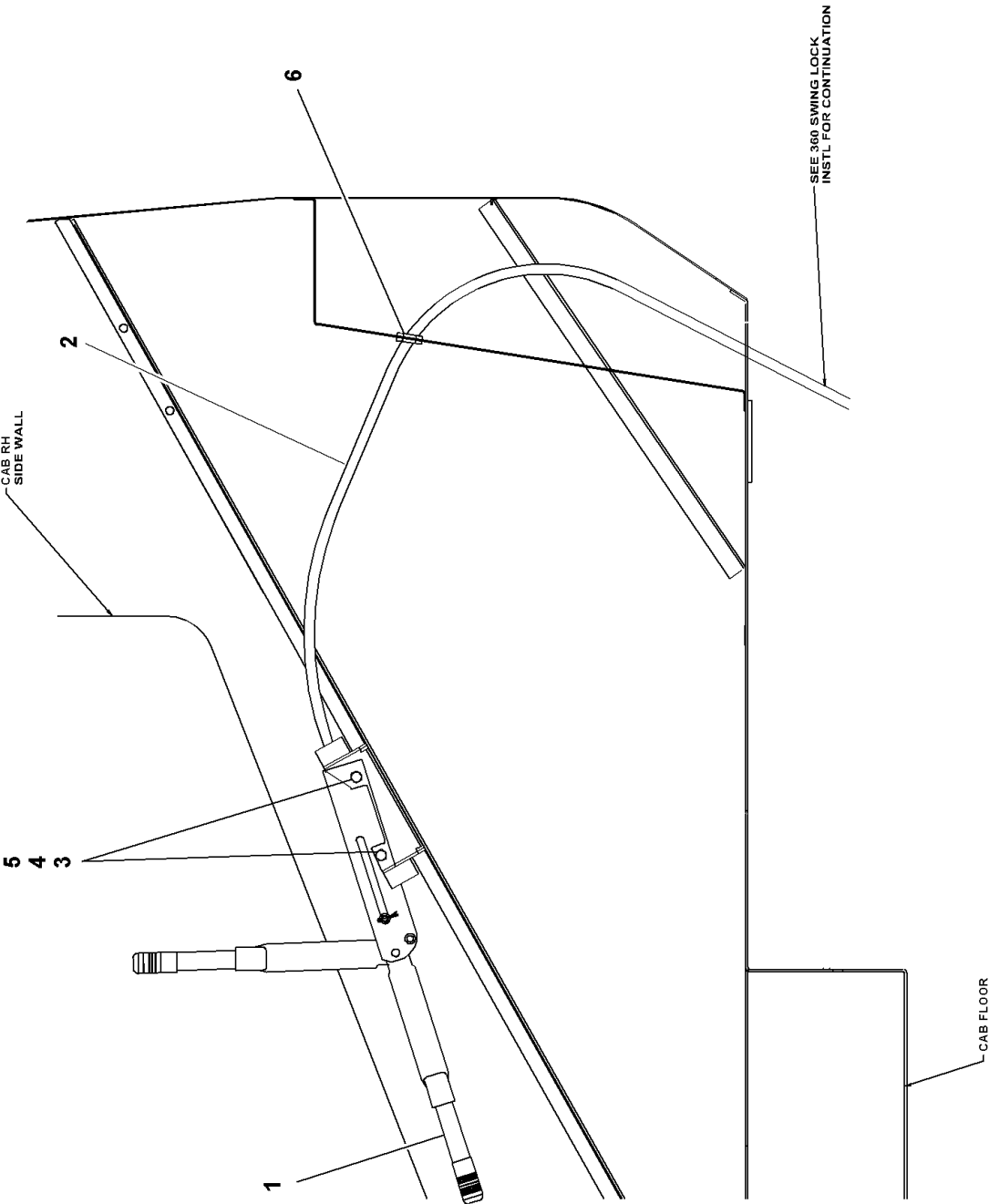
Revision: #

Item	FN	Part	Qty	Description
30		7345211901	6	TERMINAL 12 - 10 AWG
31		7364002417	2	RECEPTACLE, 22 - 18 AWG
32		7172000558	1	BOOT, TERMINAL
33		7892000219	2	FUSE, TERMINAL 12 - 10 AWG
34		7892000950	1	RECEPTACLE, 8 PIN
35		7172000549	1	BOOT
36		7892000951	1	RECEPTACLE, 12 PIN
37		7172000551	1	BOOT
39		7345241401	1	TERMINAL 22 - 18 AWG
40		7689000503	1	PLUG, SEALING 16 - 12 AWG
41		7709100891	1	PLUG, 2-PASS DEUTSCH DTP
42		7892100029	1	2-PASS CONNECTOR/ORANGE SEAL
43		7892100034	2	TERMINAL, FEMALE
44		7892100030	1	CONNECTOR, COVER/SINGLE
45		7482000029	1	FUSE, 30 AMP
46		7850000208	11	CABLE TIE, BLACK
47		7345241701	1	TONGUE, INSULATED RING
48		7826000092	1	SOCKET, (12) 12-14GA
49		7750160021	1	RELAY, 12 VOLT 100AMP
50		7345221901	2	TERMINAL 12 - 10 AWG
51		01923998	2	HEX HEAD NUT M6
52		01925033	2	FLAT WASHER - 6
53		7345001443	2	TERMINAL, FEMALE 22 - 18 AWG

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

LEVER INSTALLATION - 360 DEGREE SWING BRAKE

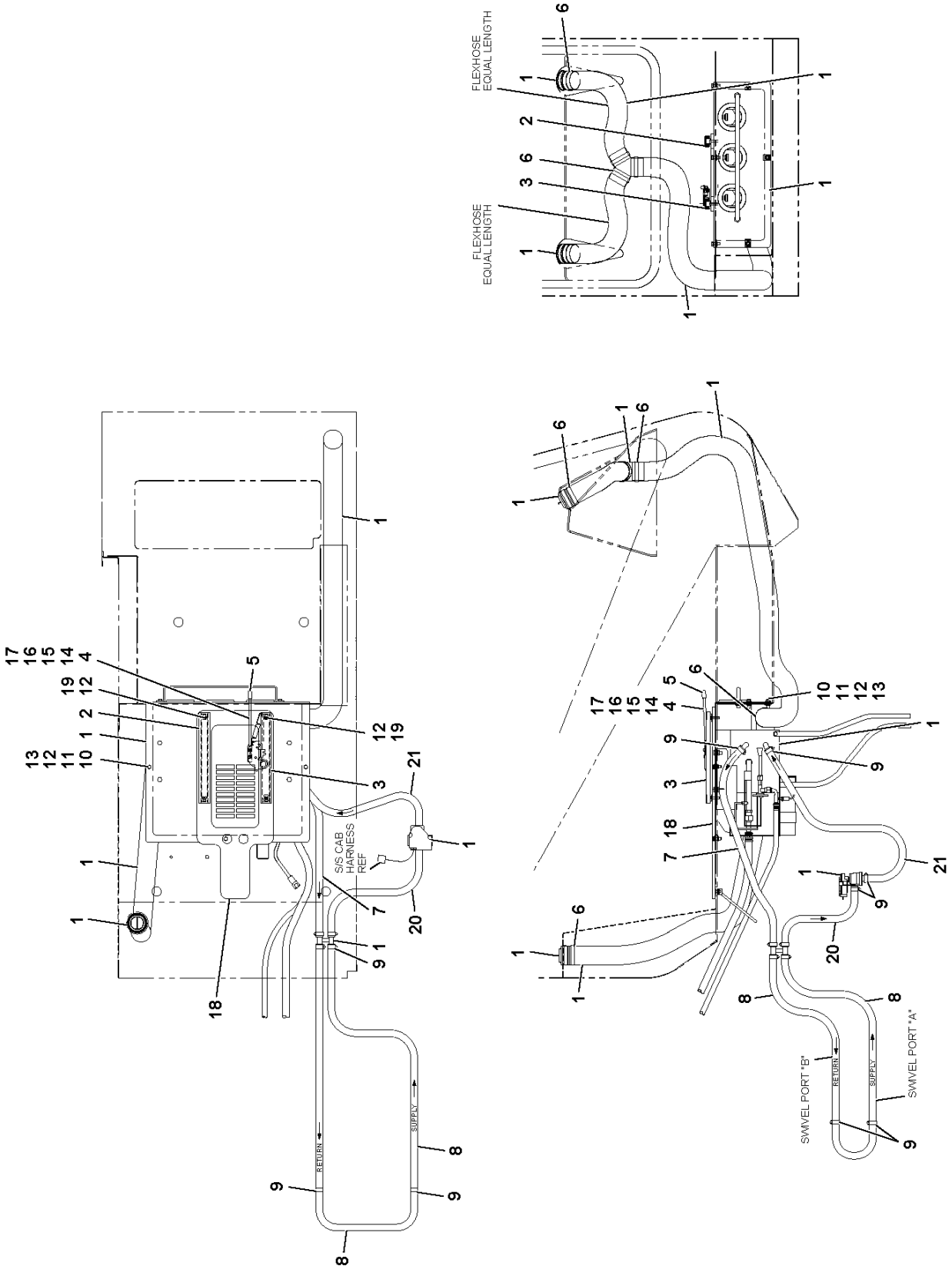
Assembly No.

6593100011

Revision: **B**

Item	FN	Part	Qty	Description
1		7593000081	1	LEVER, BRAKE
2		7246003057	1	CABLE ASSY, BRAKE
3		7126171750	2	CAP SCREW, M8X50 HEX HEAD
4		7951170210	2	WASHER, LOCK 8MM
5		7659190020	2	NUT, RETAINING 8 X 1.25
6		7506000005	1	GROMMET .62" I.D.

Manitowoc Cranes



Manitowoc Cranes

Description
HEATER/COOLER INSTALLATION - CAB

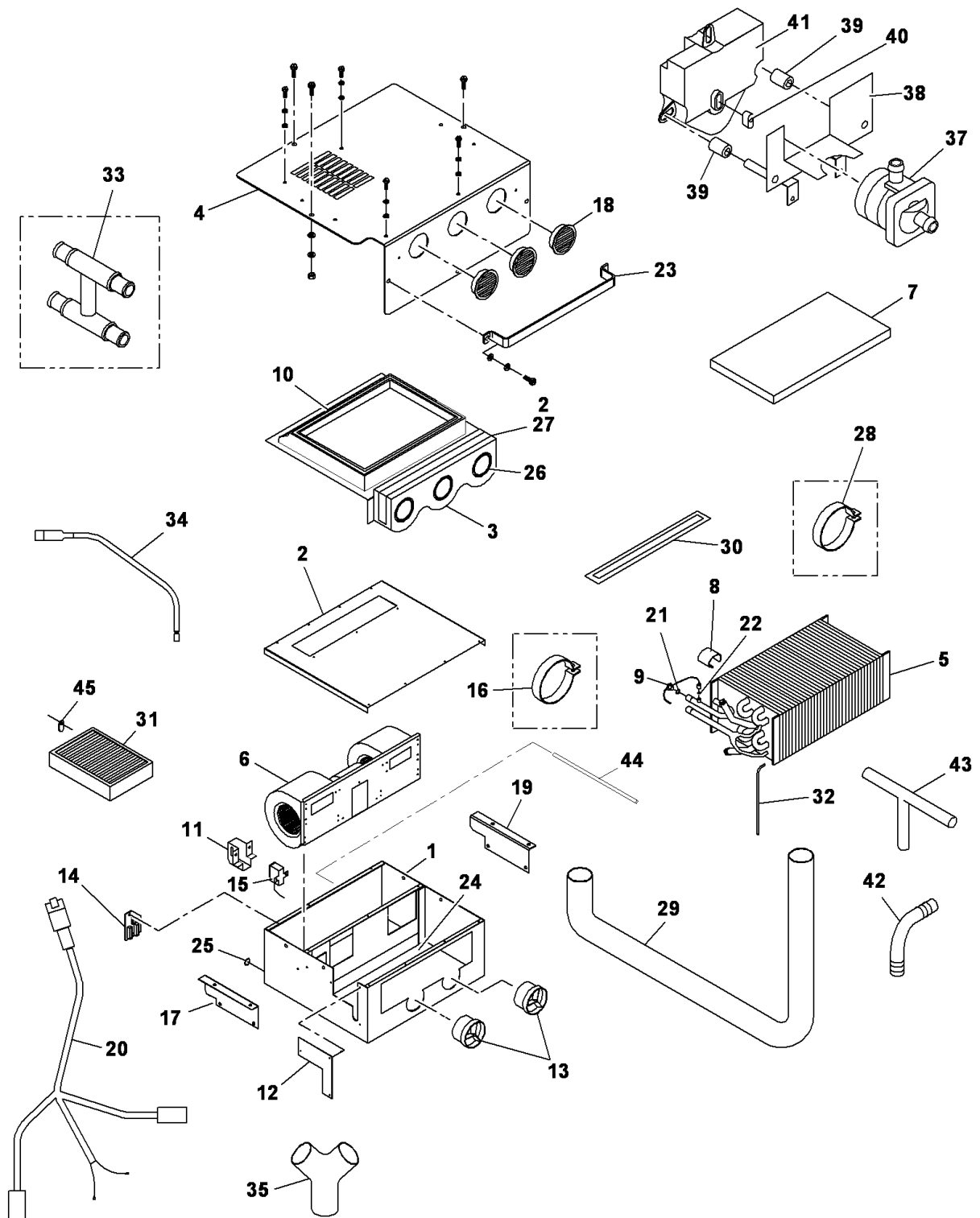
Assembly No.
6515100078
Revision: **G**

Item	FN	Part	Qty	Description
1	+	80006745	1	KIT - CAB HEATER AND AIR CONDITIONER (COMPLETE ASSEMBLY)
2		7798100006	1	TRACK, FREE
3	#	7798100005	1	TRACK, CONTROL
4		7768003904	1	ARM, LEVER
5		7822000598	1	SLEEVE, VINYL
6		7300000035	10	CLAMP, HOSE 1 13/16" TO 2 3/4"
7		8596902528	2	HOSE, 5/8" I.D. (QUANTITY IN FEET)
8		8596902528	8	HOSE, 5/8" I.D. (QUANTITY IN FEET)
9		7300001061	10	CLAMP, LINER
10		7659190020	5	NUT, RETAINING 8 X 1.25
11		7126171350	5	CAP SCREW, M8 X 30MM HEX HEAD
12		7951170210	9	WASHER, LOCK 8MM
13		7950140161	5	WASHER, 1/4" I.D. FLAT WIDE
14		7121130801	2	MACHINE SCREW, M5X12 SLOTTED
15		7951130014	2	WASHER, FLAT M5 I.D.
17		7661131103	2	NUT, M5 -8 ISO 7042 HEX LOCK
18		6184100027	1	BRACKET, SEAT
19		80014956	4	CAP SCREW, M8X25 SOCKET HEAD
20		8596902528	1	HOSE, 5/8" I.D. (QUANTITY IN FEET)
21		8596902528	3	HOSE, 5/8" I.D. (QUANTITY IN FEET)
22		7300000040	4	CLAMP, HOSE 29/32" I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

KIT - CAB HEATER AND AIR CONDITIONER (COMPLETE ASSEMBLY)

Assembly No.

80006745

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOUSING, CASE
2		9515102920	1	COVER, HOUSING
3		90012227	1	ADAPTER, 3 HOLE FRONT ASSY.
4		9515103058	1	COVER, BASE
5		9515102828	1	CORE ASSY, HEATER
6		90012228	1	BLOWER ASSY, 12 VOLT
7		9515102829	1	FOAM
8		9515102830	1	CLAMP
9		9515102831	1	VALVE, EXPANSION
10		9515102833	10	SEALER, FOAM
11		90012229	1	COVER
12		9515102835	1	COVER,TUBE
13		9515103059	3	LOUVER, 2" BALL
14		9515102837	1	RESISTOR ASSY.
15		9515102838	1	THERMOSTAT
16		9515102839	1	CLAMP
17		9515102840	1	MOUNT, LEFT HAND
18		9515102926	3	LOUVER, 4" W/ADAPTER
19		9515102842	1	MOUNT, RIGHT HAND
20		9515103069	1	HARNESS ASSY.
21		9515102844	1	O-RING #8
22		9515102845	1	O-RING
23		9515102846	1	GUARD,LOUVER
24		9515102847	1	INSULATION
25		9515102848	1	GROMMET
26		90012230	3	FOAM
27		9515102849	2	SEAL
28		9515103061	1	CLAMP
29		9515102852	1	FLEXHOSE
30		9515102853	1	SEAL
31		9515102854	1	FILTER
32		9515102855	15	HOSE, DRAIN
33		9515102921	1	CONNECTOR

Manitowoc Cranes

Description

KIT - CAB HEATER AND AIR CONDITIONER (COMPLETE ASSEMBLY)

Assembly No.

80006745

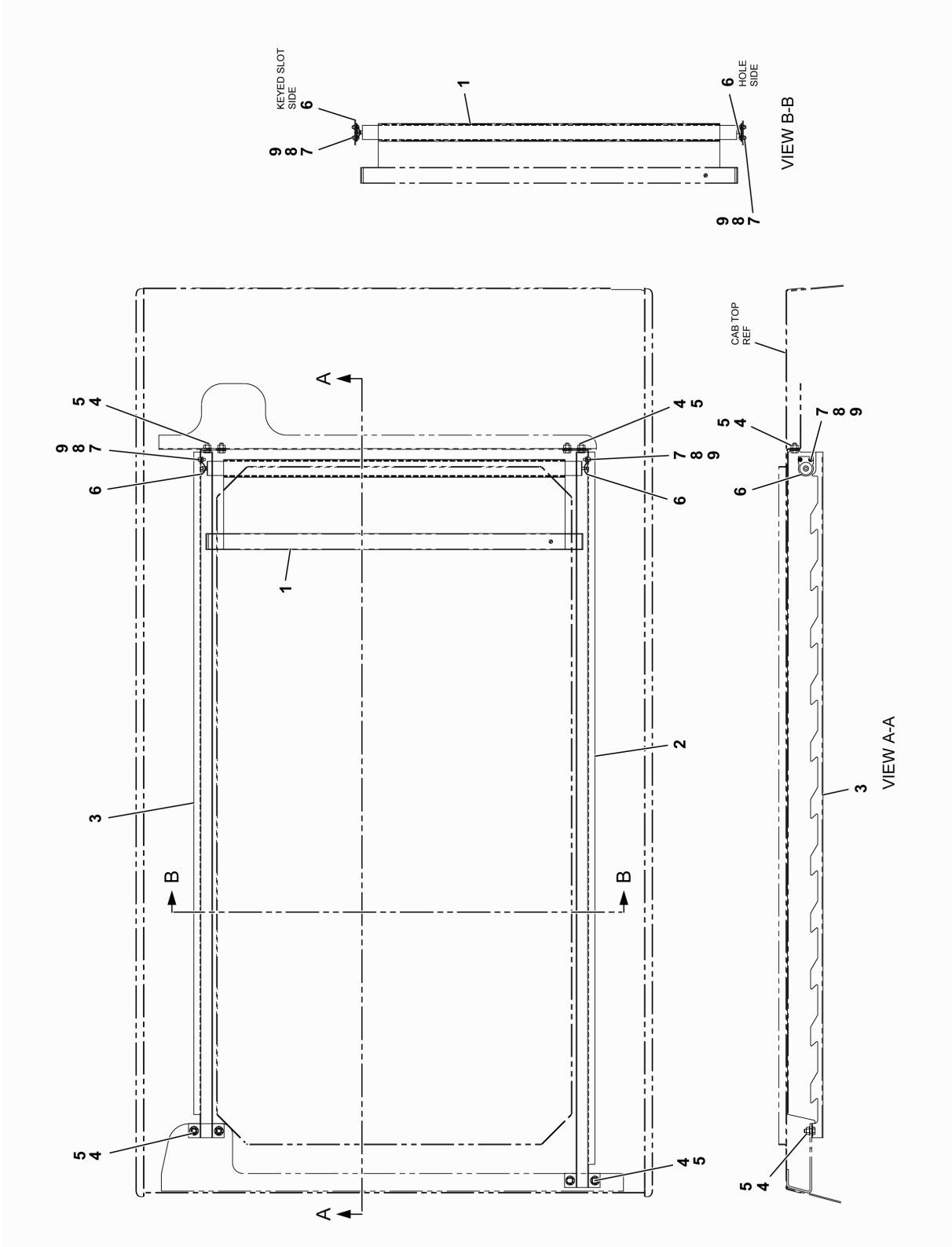
Revision:

Item	FN	Part	Qty	Description
34		9576101439	1	HARNESS ASSY. WATER VALVE
35		9515103062	1	CONNECTOR, Y
36		9515102922	1	KIT, VALVE ASSY. WATER INCLUDES ITEMS 37 THRU 41
37		90001014	1	VALVE, WATER
38		NSS	1	BRACKET
39		90001015	2	SPACER
40		90001016	1	BUSHING
41		90001017	1	MOTOR
42		90012231	1	FITTING, ELBOW
43		90012233	2	FITTING, TEE
44		90012234	1	HOSE
45		9515102927	1	RETAINER, FILTER

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

SCREEN INSTALLATION - SUN

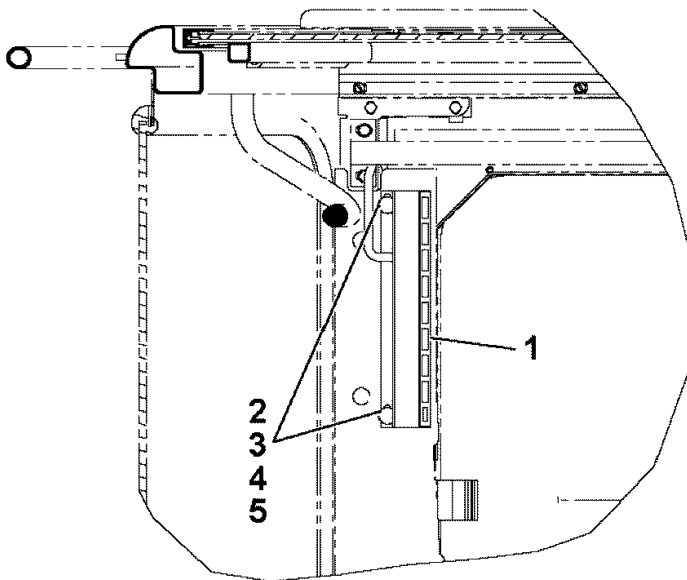
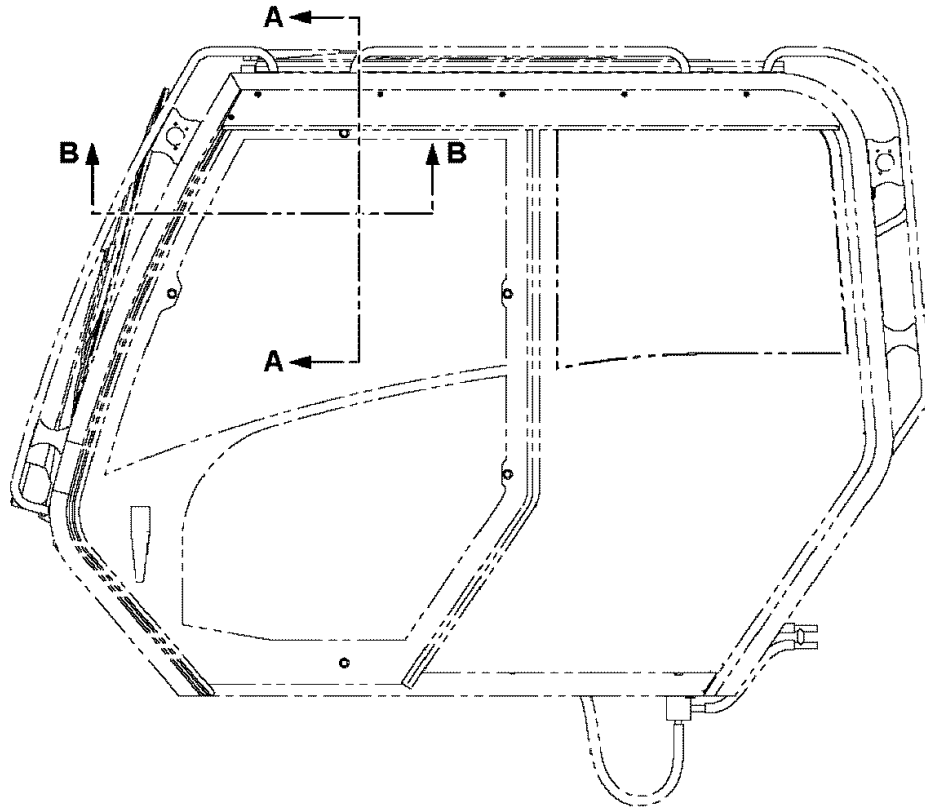
Assembly No.

6942100004

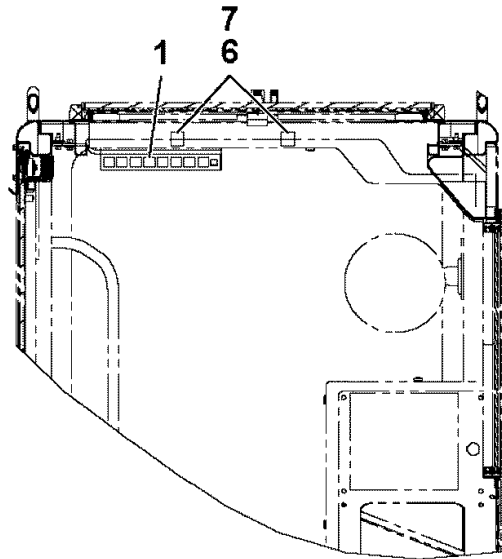
Revision: **B**

Item	FN	Part	Qty	Description
1		7942000522	1	MESH, SUNSCREEN
2		6245101062	1	BRACKET, LEFT HAND SUN SCREEN
3		6245101063	1	BRACKET, RIGHT HAND SUN SCREEN
4		7115140478	8	CAP SCREW, 1/4" - 20 N.C. X 1/2" GRADE 5
5		7660142701	8	LOCKNUT, HEX 1/4" - 20 N.C.
6		7942000512	1	BRACKET SET, FOOTLESS BLIND
7		7121110801	4	MACHINE SCREW, M4X12 SLOTTED
8		7661110003	4	NUT, HEX 4 MM N.C.
9		7951110210	4	LOCKWASHER, 4MM I.D.

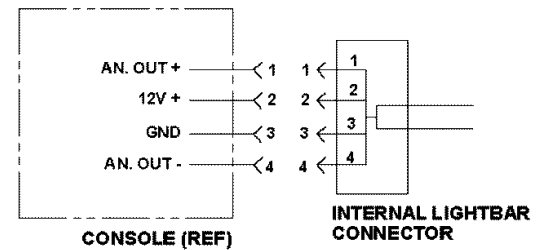
Manitowoc Cranes



SECTION B-B



SECTION A-A



WIRING DETAIL

Manitowoc Cranes

Description

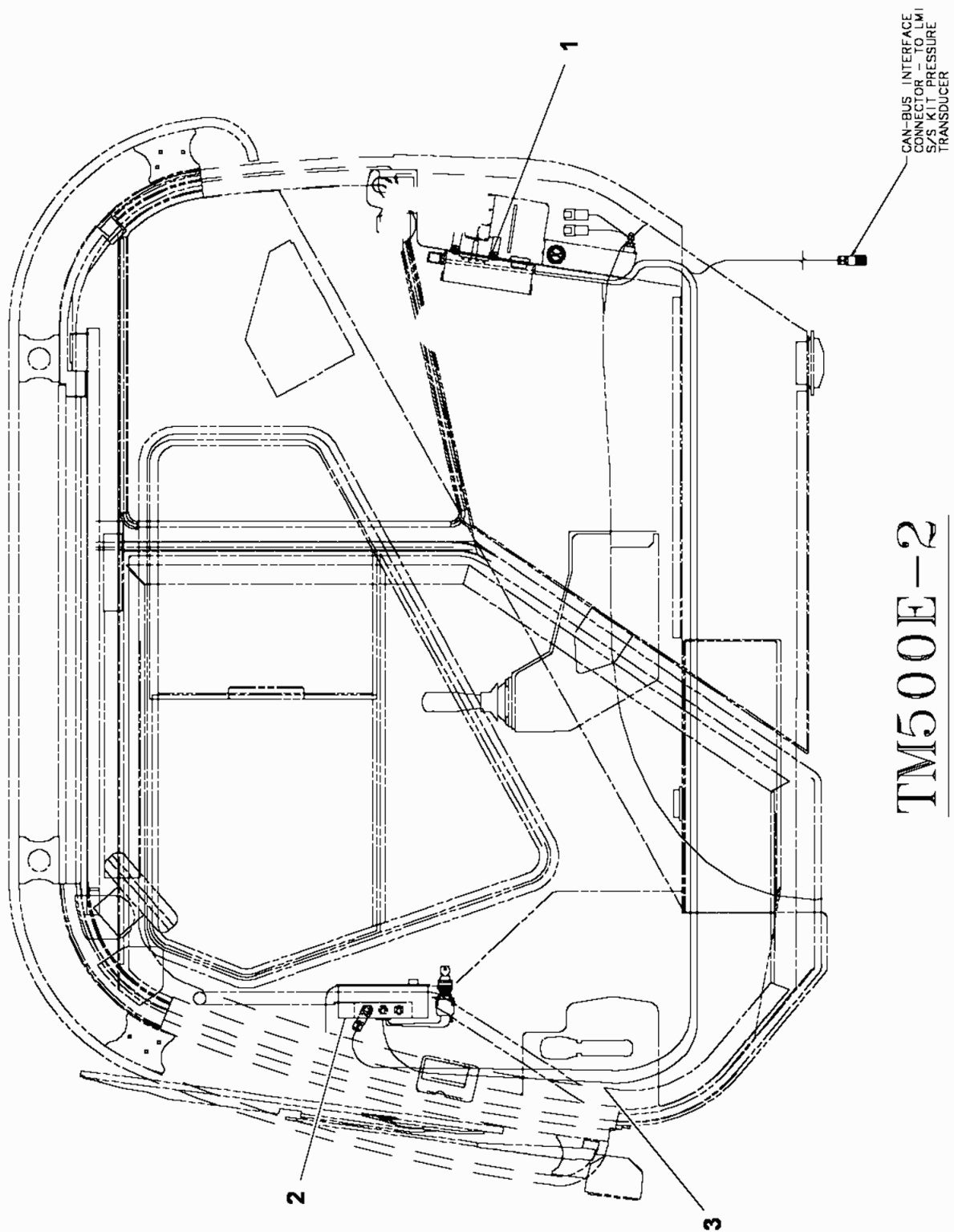
LMI INTERNAL LIGHT BAR INSTALLATION

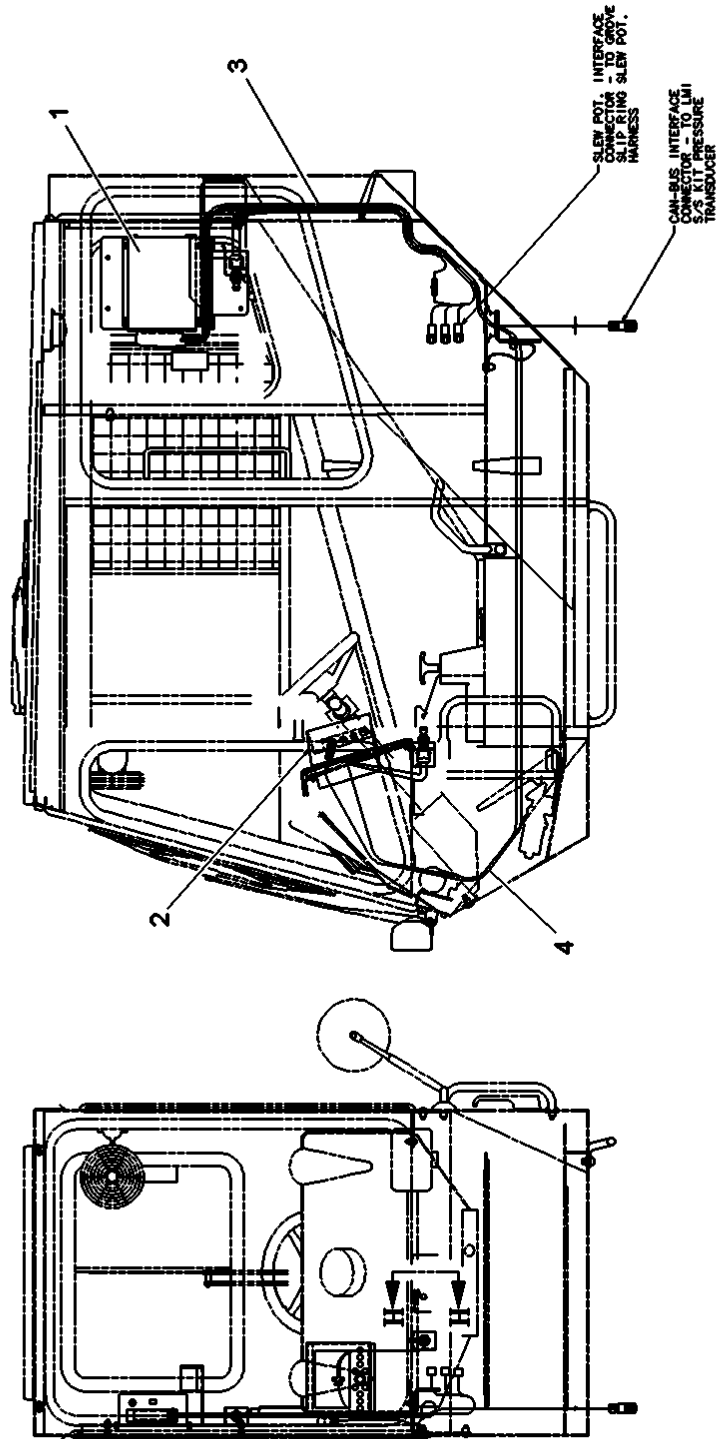
Assembly No.

80008131

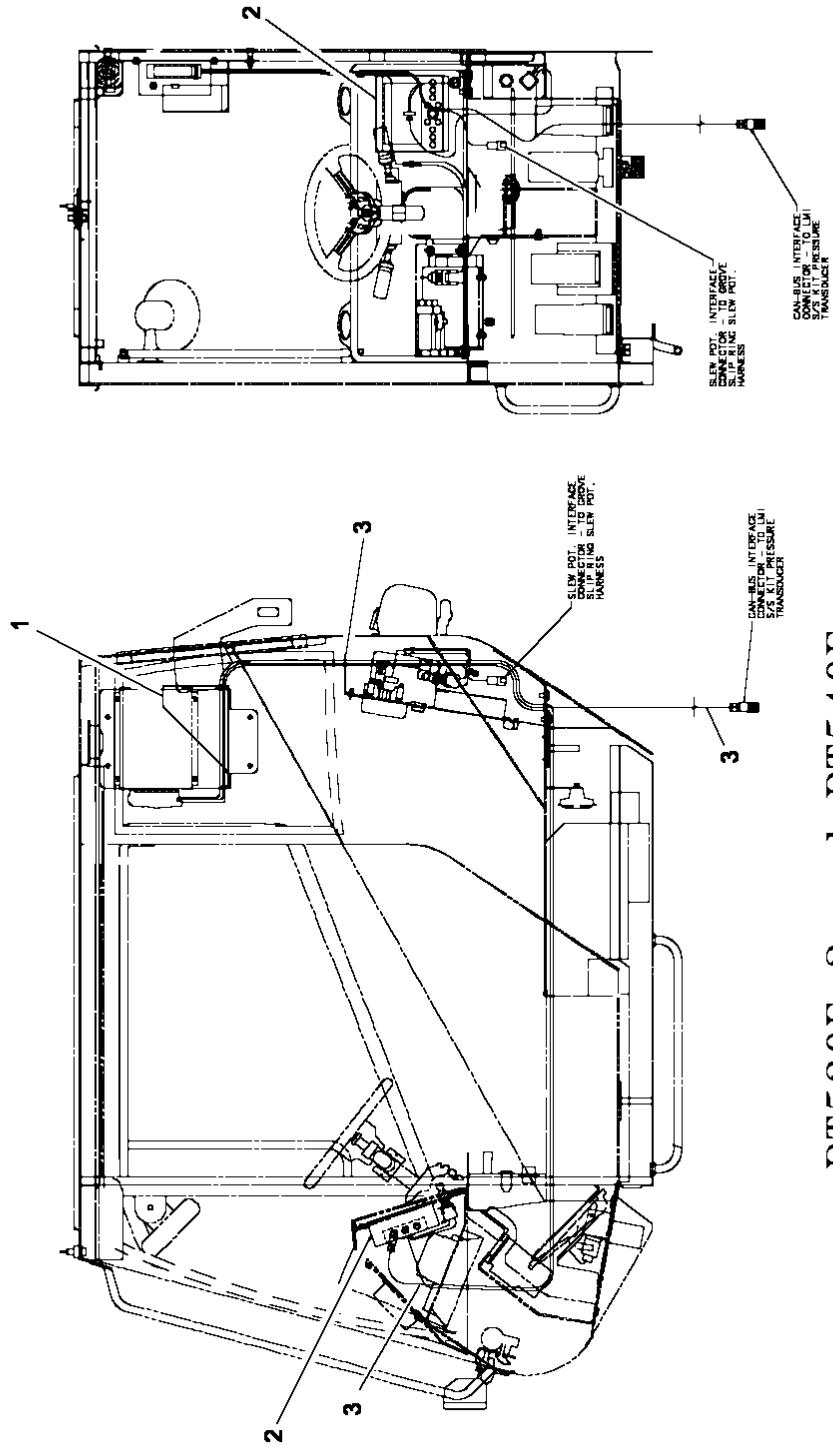
Revision: **C**

Item	FN	Part	Qty	Description
1		80008129	1	LMI INTERNAL LIGHT BAR
2		7429000542	2	FASTENER, NUT 1/4" - 20 N.C.
3		7111140811	2	SCREW, MACHINE 1/4" - 20 N.C. X 1" GRADE 1
4		7949001186	2	WASHER, BLACK NYLON
5		7258001451	2	CAP, 1/4"
6		7638000750	2	MOUNT, WIRE TIE
7		7850000208	2	CABLE TIE, BLACK





RT600E, RT700E, RT875E



RT530E-2 and RT540E

Manitowoc Cranes

Description

KIT - iFLEX2 LMI CAB (COMPLETE ASSEMBLY)

Assembly No.

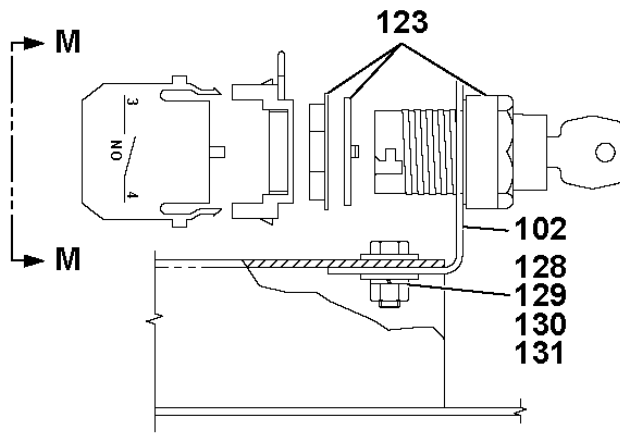
7598100166

Revision: #

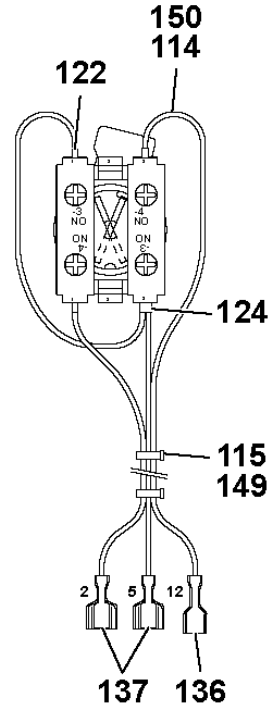
Item	FN	Part	Qty	Description
1		9333107524	1	CENTERAL UNIT ASSEMBLY - iFLEX2 (COMPLETE ASSEMBLY) INCLUDES THE FOLLOWING PARTS
		90011561	1	FUSE,2A
		90011563	1	FUSE,7.5A
		90011562	1	FUSE,15A
2	#	9333107526	1	CONSOLE ASSEMBLY - GRAPHIC (COLOR) (COMPLETE ASSEMBLY) INCLUDES THE FOLLOWING PARTS
	#	90016149	1	KNOB
3		9333107525	1	HARNESS ASSY, S/S (IFLEX2)

SERVICED AS AN ASSEMBLY ONLY

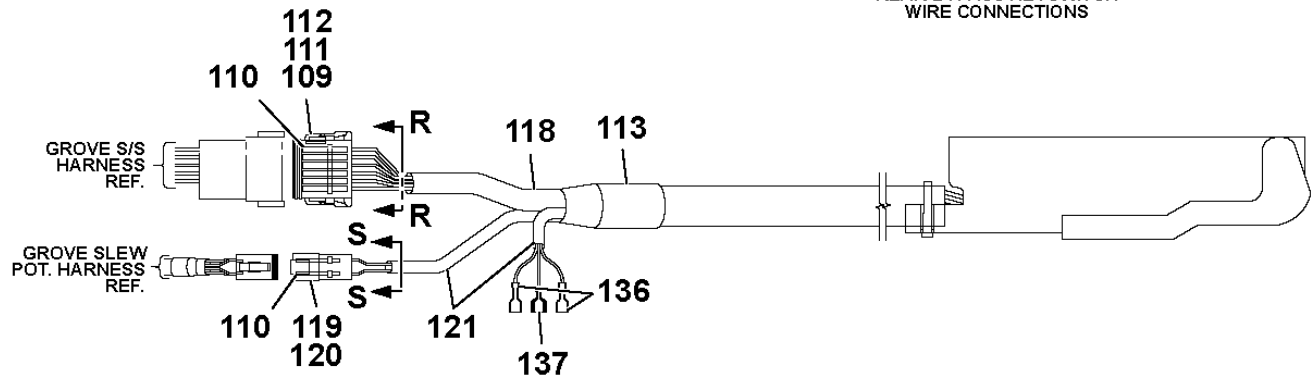
Manitowoc Cranes



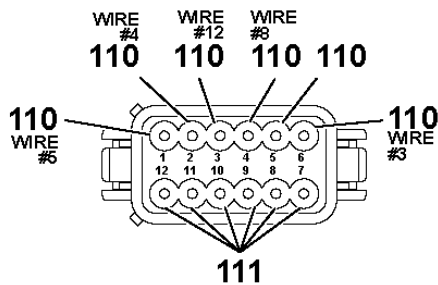
DETAIL K
REAR BYPASS KEYSWITCH
WIRES NOT SHOWN FOR CLARITY



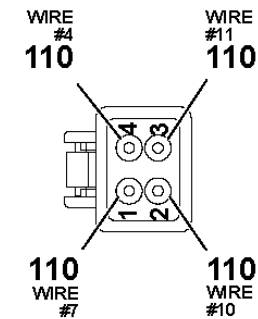
VIEW M - M
REAR BYPASS KEYSWITCH
WIRE CONNECTIONS



DETAIL N
LMI SS HARNESS
ADDITIONAL CABLES NOT
SHOWN FOR CLARITY

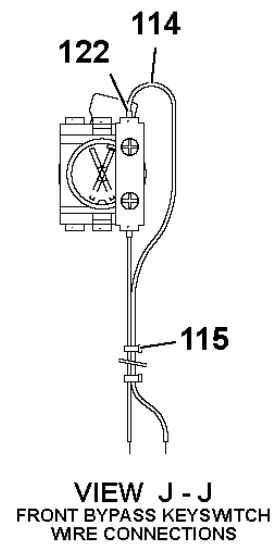
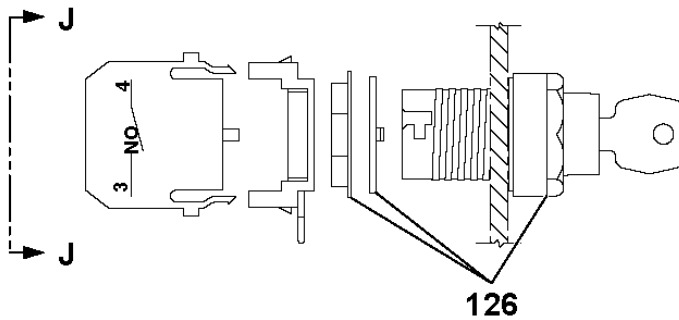
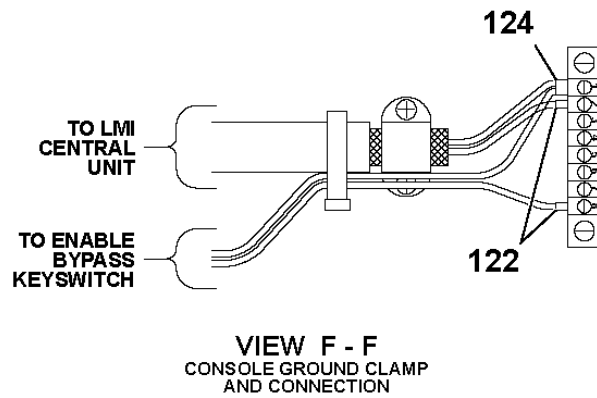
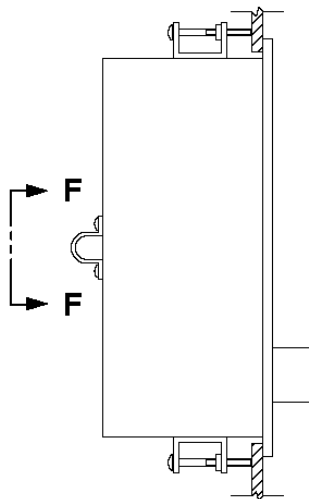
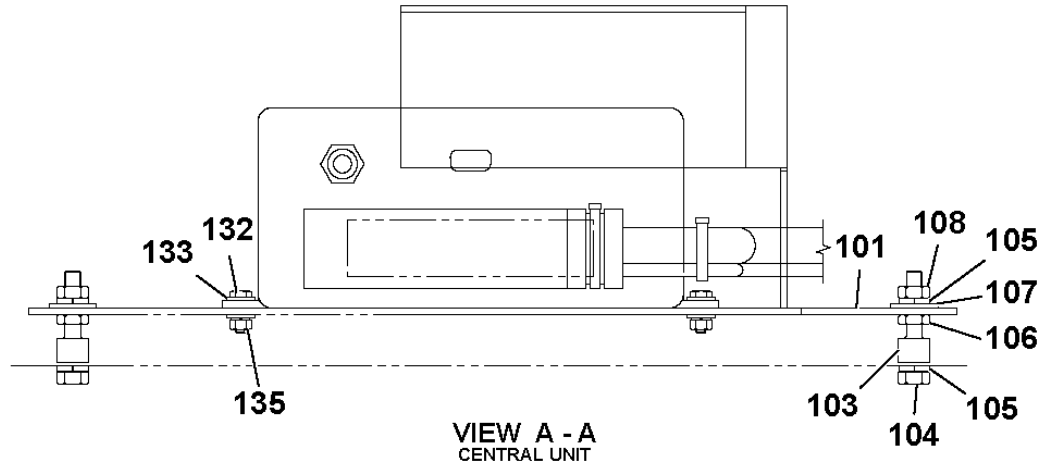


VIEW R - R
CRANE INTERFACE CONN

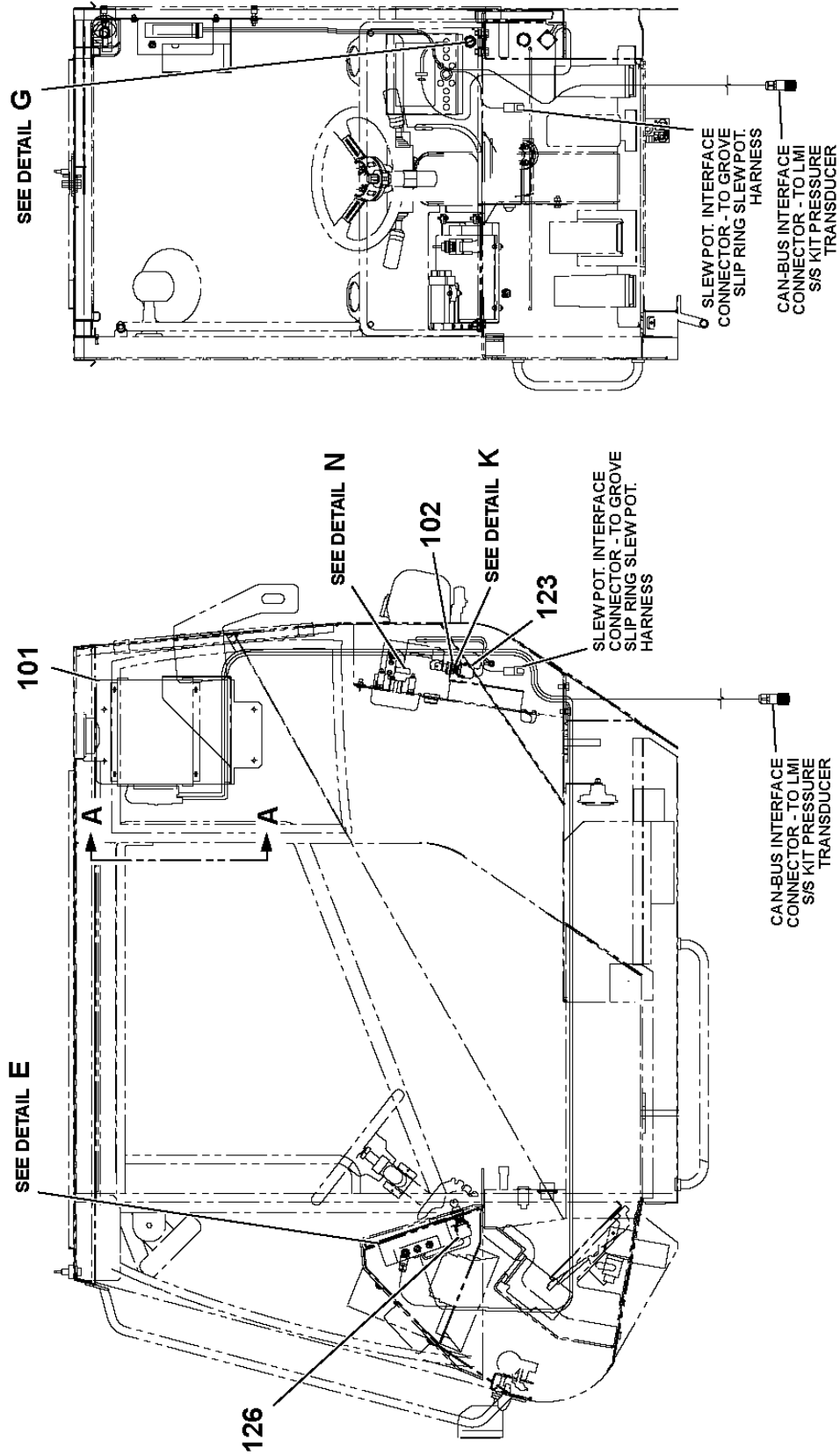


VIEW S - S
SLEW POT INTERFACE CONN

Manitowoc Cranes



Manitowoc Cranes



ITEMS NOT SHOWN NBR. 108, 116, 117, 134

Manitowoc Cranes

Description KIT - iFLEX2 LMI CAB				Assembly No. 80002960 Revision: H
Item	FN	Part	Qty	Description
101		80001639	1	BRACKET WELD
102		6184100242	2	BRACKET, SWITCH
103		7099000399	4	BOLT, STACKING
104		7115140550	4	CAP SCREW, 1/4" - 20 N.C. X 5/8" GRADE 5
105		7950140050	8	WASHER, LOCK 1/4"
106		7660140200	4	NUT, HEX JAM 1/4" - 20 N.C.
107		7950140141	4	WASHER, FLAT 1/4" PLAIN NARROW
108		7660140000	5	NUT, HEX 1/4" - 20 N.C.
109		7892100086	1	RECEPT, DTO4-12PB-C015 W/WEDGE
110		7689000704	10	PIN, 16 - 14 GA
111		7689000503	7	PLUG, SEALING 16 - 12 AWG
112		7172000551	1	BOOT
113		8594100265	1	TUBING, HEAT SHRINK 3/4 I.D. LINER, MELTABLE
114		8977010300	10	WIRE, 16 GAUGE WHITE
115		7850000237	1	TIE, CABLE (BLACK) 7 5/16" LONG
116		7892000821	1	CONNECTOR 12 - 10 AWG
117		7345001713	3	CONNECTOR, BUTT
118		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
119		7172000568	1	BOOT, CONNECTOR
120		7892001051	1	RECEPTACLE, 4 PIN
121		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
122		7892001002	5	FERRULE, SINGLE WIRE (BLACK)
123		7872100132	1	SWITCH, KEY OPERATED 2 POSITION SELECTOR INCLUDES THE FOLLOWING PARTS
		9872100243	1	KEY

Manitowoc Cranes

Description

KIT - iFLEX2 LMI CAB

Assembly No.

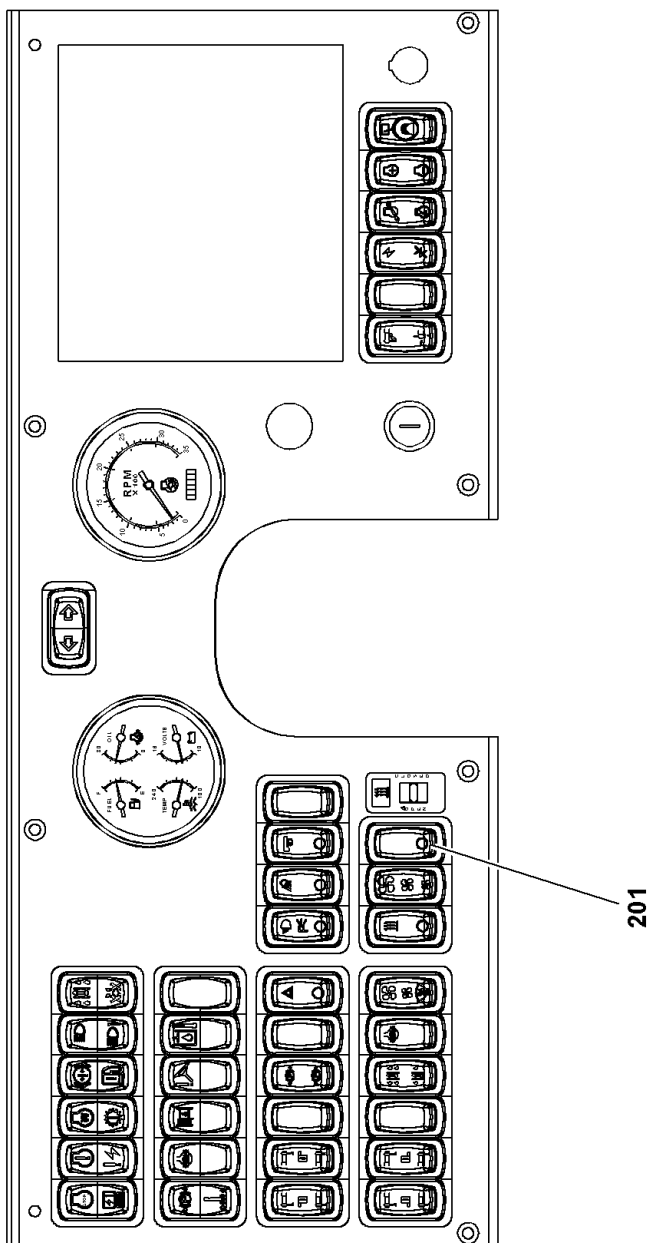
80002960

Revision: **H**

Item	FN	Part	Qty	Description
124		7892001006	3	FERRULE, DUAL WIRE (BLACK)
126		80008491	1	SWITCH, KEY
		90020929	1	INCLUDES THE FOLLOWING PARTS KEY SET, (2)
128		7115150750	1	CAP SCREW, 5/16" -18 N.C. X 7/8" GRADE 5
129		7950150141	2	WASHER, FLAT 5/16"
130		7950150050	1	WASHER, LOCK 5/16" I.D.
131		7660150001	1	NUT, HEX 5/16" - 18 N.C. GRADE 5
132		7111080810	4	SCREW, MACHINE 5/32" - 32 N.C. X 1" GRADE 1
133		7950080141	8	FLATWASHER, 5/32" I.D.
134		7950080050	4	LOCKWASHER, 5/32" I.D.
135		7660081100	4	NUT, HEX 5/32" - 24 N.F. GRADE 1
136		7345001744	3	TERMINAL, FEMALE 16 - 14 AWG
137		7345001746	3	TERMINAL, MALE 16 - 14 AWG
138		8594000019	3	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

SWITCH INSTALLATION - AIR CONDITIONER

Assembly No.

6872100083

Revision: #

Item	FN	Part	Qty	Description
201		7872100104	1	SWITCH, L-SERIES AIR CONDITION

100

100

SEE DETAIL A

100

CAB REF

100

100

DETAIL A
PRESSURE SWITCH

This technical drawing shows a pressure switch assembly. The main view at the top illustrates the overall layout with various hoses and pipes. Two callouts labeled '100' point to specific hose connections. A dashed line indicates a reference to 'DETAIL A'. Below this, a circular inset provides a magnified view of the pressure switch. In this detail, the switch is connected to a 'CAB REF' line and two hoses labeled '100'. The drawing is a line art representation with no shading.

Manitowoc Cranes

Description

LINES INSTALLATION - AIR CONDITIONING (CAB)

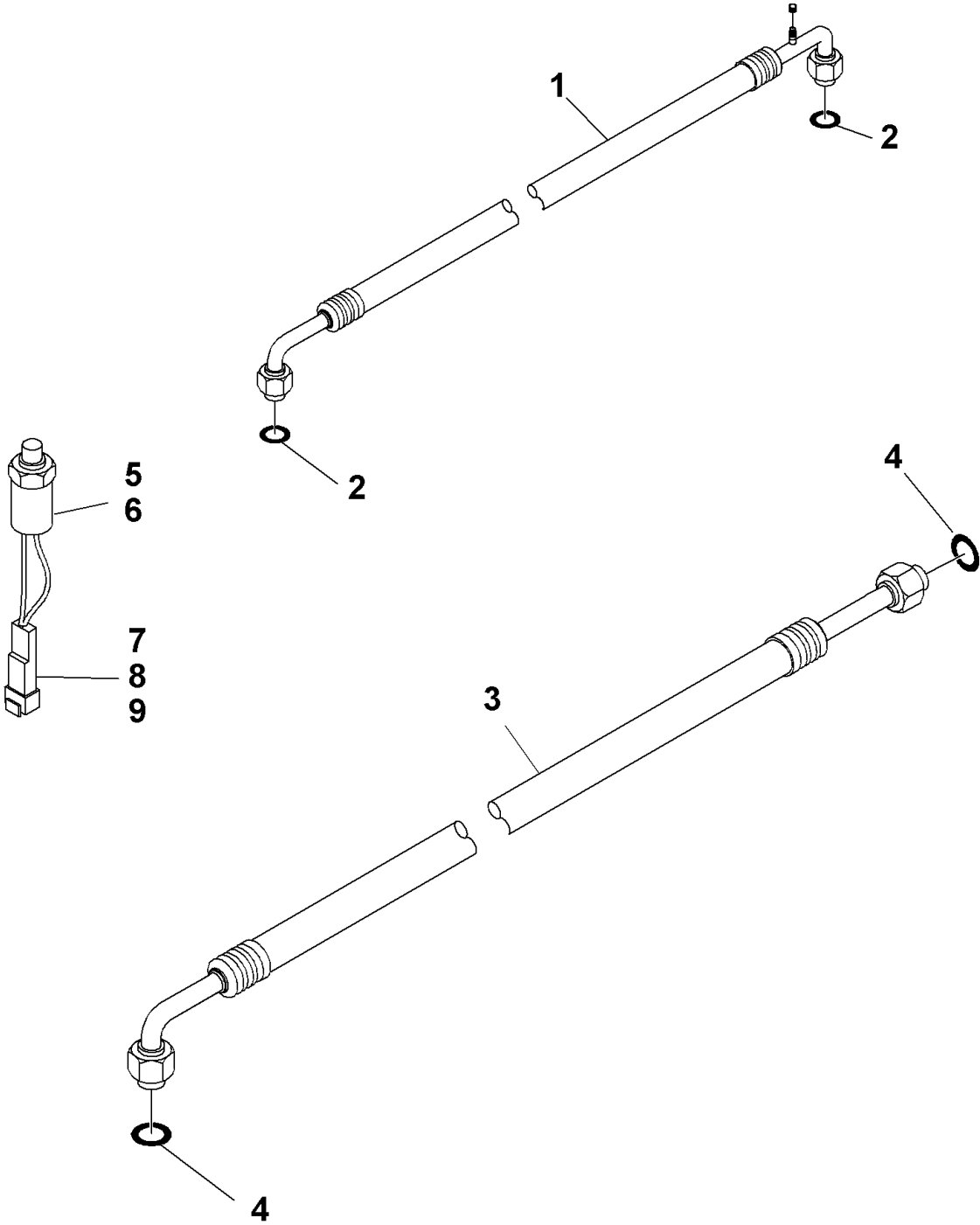
Assembly No.

6543100143

Revision: #

Item	FN	Part	Qty	Description
100	+	7576134413	1	KIT - AIR CONDITIONER HOSE (COMPLETE ASSEMBLY)

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

KIT - AIR CONDITIONER HOSE (COMPLETE ASSEMBLY)

Assembly No.

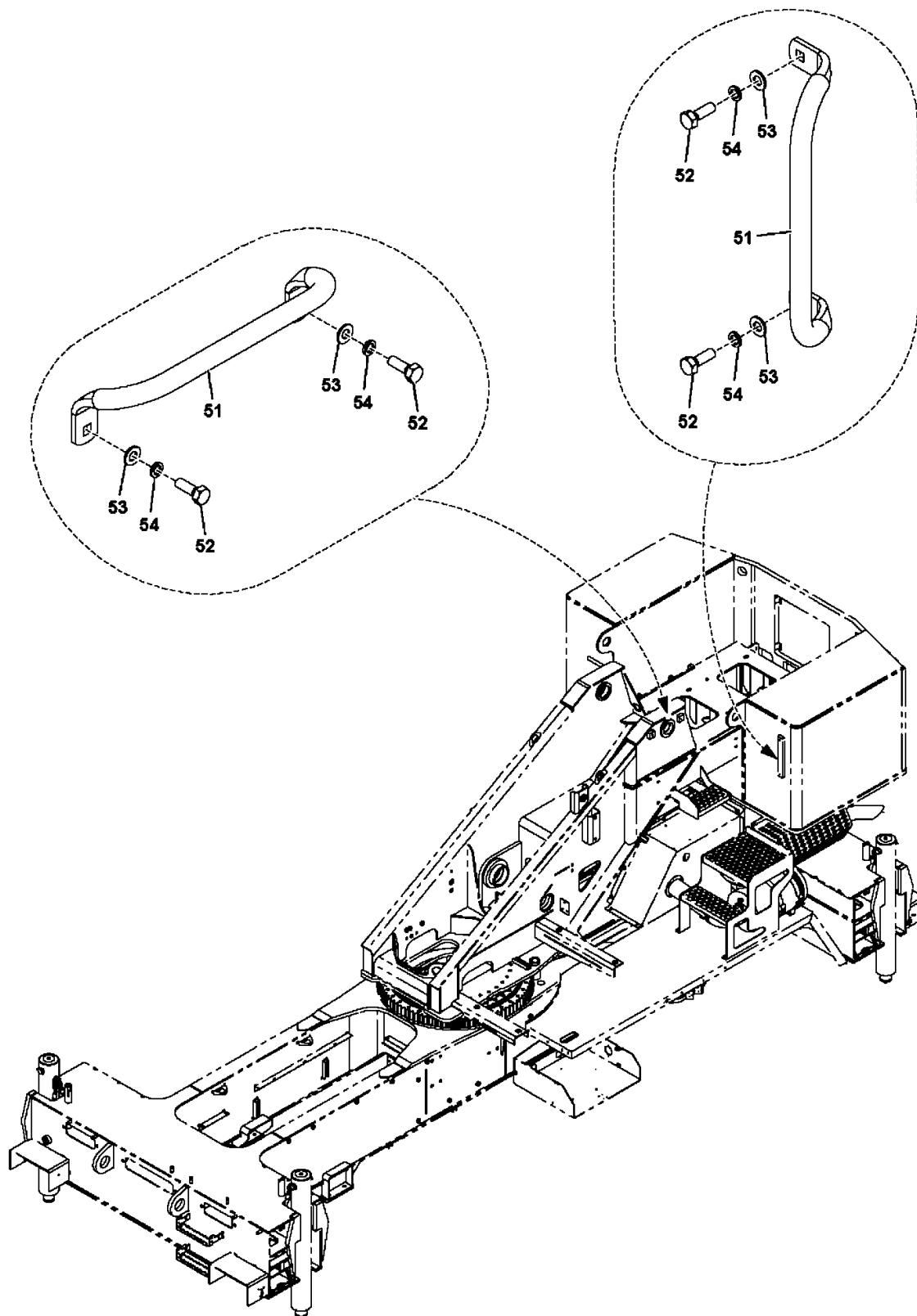
7576134413

Revision:

Item	FN	Part	Qty	Description
1	#	9576101402	1	HOSE ASSY. #6
2		9576101193	2	O-RING #6
3		9576101200	1	HOSE ASSY. #10
4		9576101194	2	O-RING #10
5		9515102865	1	SWITCH,PRESSURE
6		9576101201	1	HARNESS ASSY. W/ CONNECTOR INCLUDES ITEMS 7 THRU 9
7		7892000836	1	RECEPTACLE, 2 PIN
8		7689000704	2	PIN, 16 - 14 GA
9		7172000546	1	BOOT

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

HANDLE INSTALLATION HOIST ACCESS

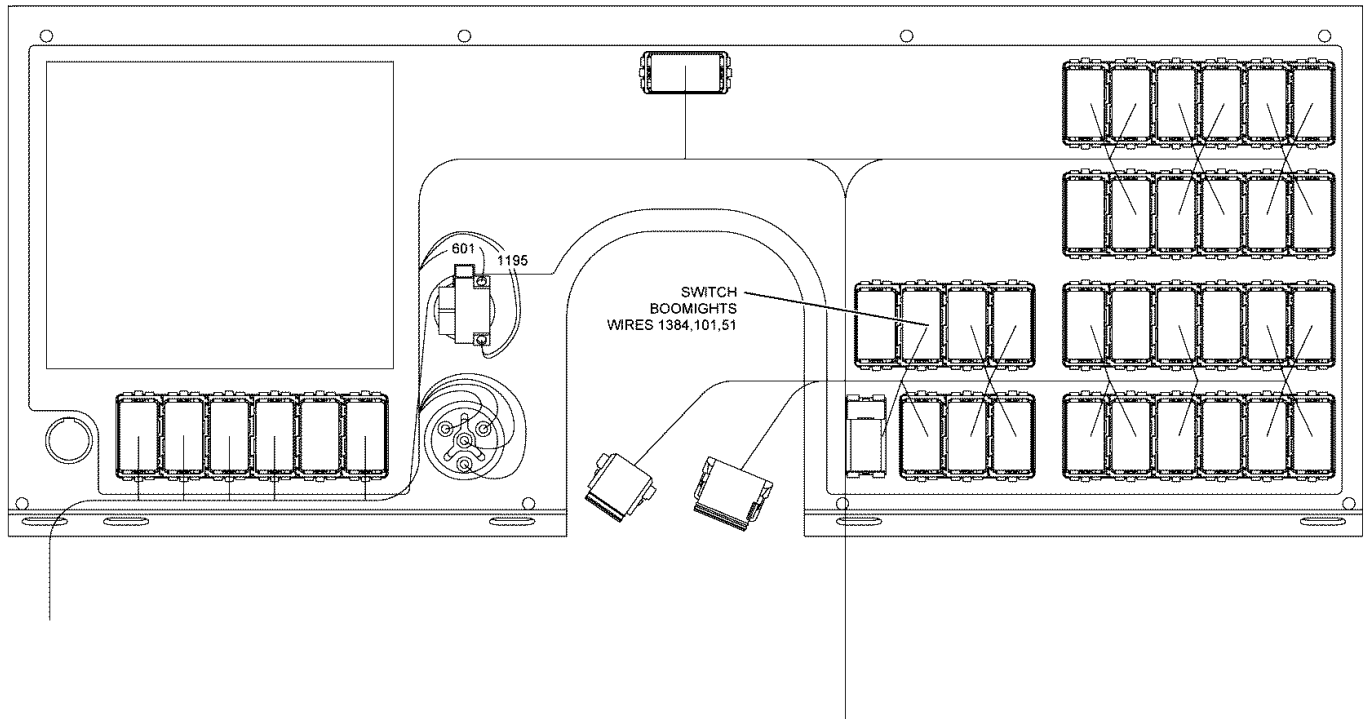
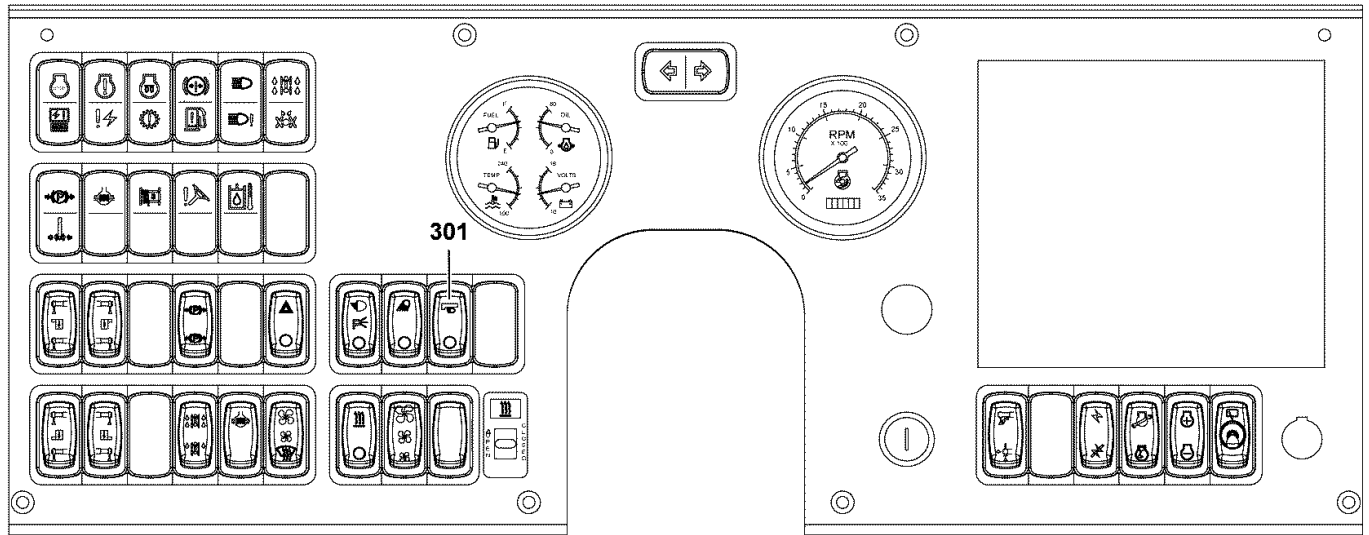
Assembly No.

2159210210

Revision: #

Item	FN	Part	Qty	Description
51		7511100015	2	HANDRAIL, GRAB
52		7126191350	4	CAP SCREW, M10X30 HEX HEAD
53		7951190014	4	FLAT WASHER, 10MM I.D.
54		7951190210	4	LOCK WASHER, 10MM

Manitowoc Cranes



CONSOLE BACK SIDE

Manitowoc Cranes

Description

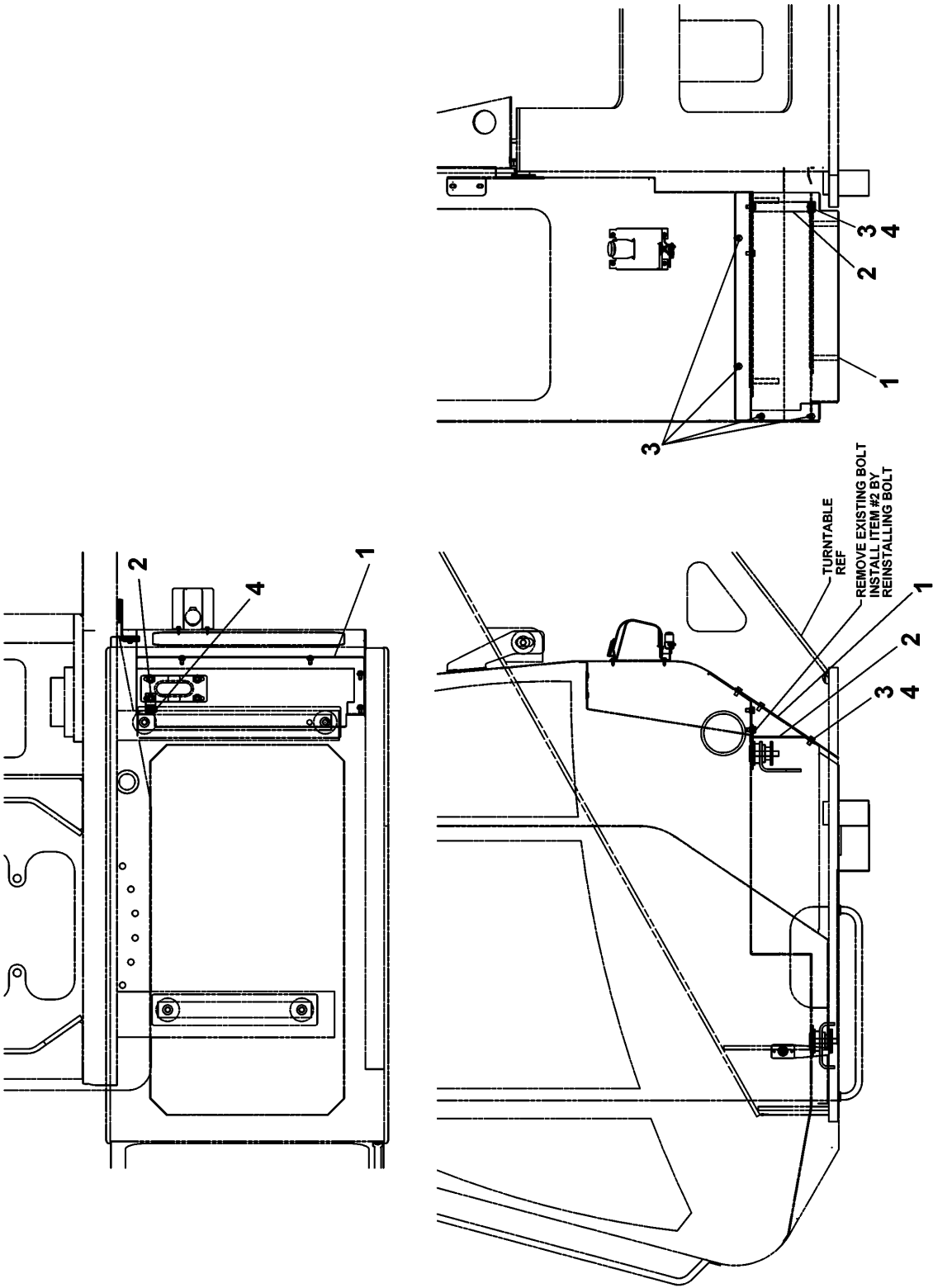
SWITCH INSTALLATION - BOOM LIGHTS

Assembly No.

6872100084

Revision: #

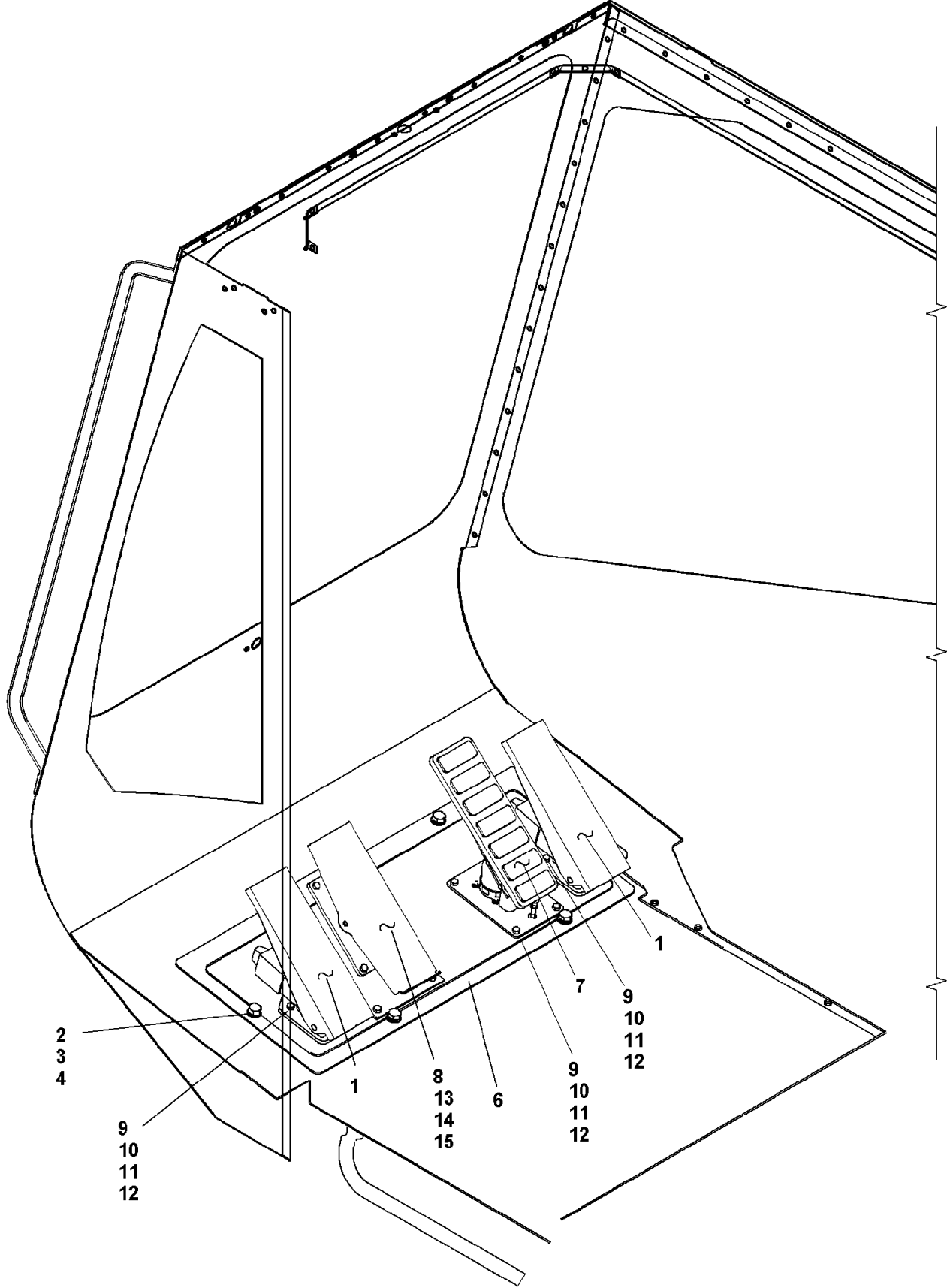
Item	FN	Part	Qty	Description
301		7872100111	1	SWITCH, L-SERIES BOOM LIGHTS



Manitowoc Cranes

Description		Assembly No.
COVER INSTALLATION - REAR CAB		6245100997
		Revision: A

Item	FN	Part	Qty	Description
1		6245101025	1	PLATE, COVER
2		6245101026	1	BRACKET, MOUNTING
3		7790161253	5	SCREW, 3/8" - 16 N.C. X 3/4"
4		7659000862	1	NUT, RETAINING



Manitowoc Cranes

Description

PEDALS INSTALLATION - WITH AUXILIARY HOIST

Assembly No.

6245100992

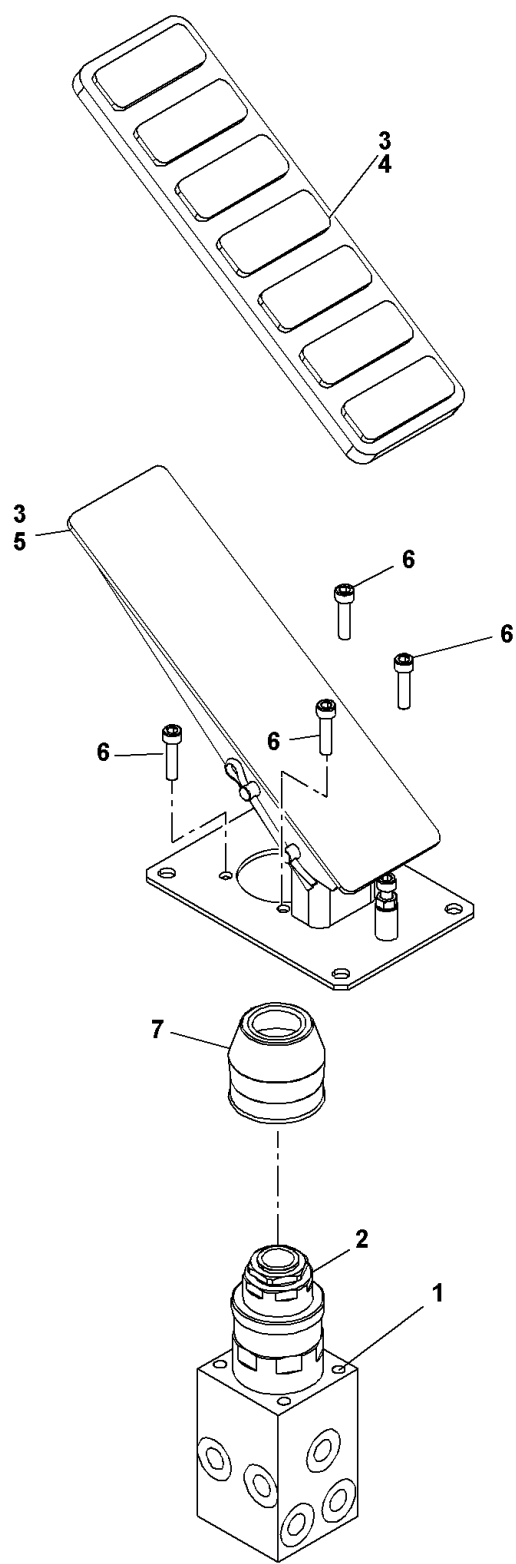
Revision: **E**

Item	FN	Part	Qty	Description
1	#	80004942	2	THROTTLE PEDAL ASSEMBLY
2		7126191153	6	CAP SCREW, M10 X 20 HEX HEAD
3		7951190014	6	FLAT WASHER, 10MM I.D.
4		7951190210	6	LOCK WASHER, 10MM
6		6245101007	1	PLATE, PEDAL MOUNTING
7	+	7926100912	1	VALVE ASSEMBLY - BRAKE TREADLE (COMPLETE ASSEMBLY)
8	+	7683100010	1	PEDAL ASSEMBLY - ELECTRONIC TELESCOPE (COMPLETE ASSEMBLY)
9		7126151153	19	CAP SCREW, M6X20 HEX HEAD
10		7951150014	19	WASHER, 6MM I.D.
11		7951150210	19	LOCKWASHER, 6MM I.D.
12	#	7661150003	19	NUT, HEX
13		8594000019	1	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
14		7850000208	3	CABLE TIE, BLACK
15		6245100878	1	BRACKET, PEDAL MOUNTING

SERVICED AS AN ASSEMBLY ONLY

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

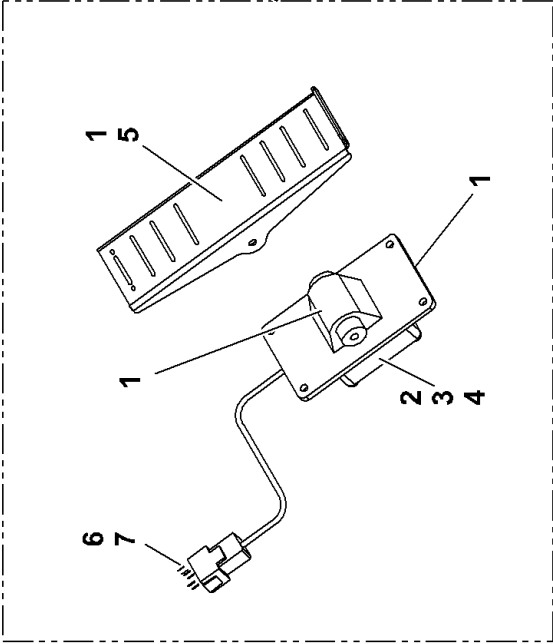
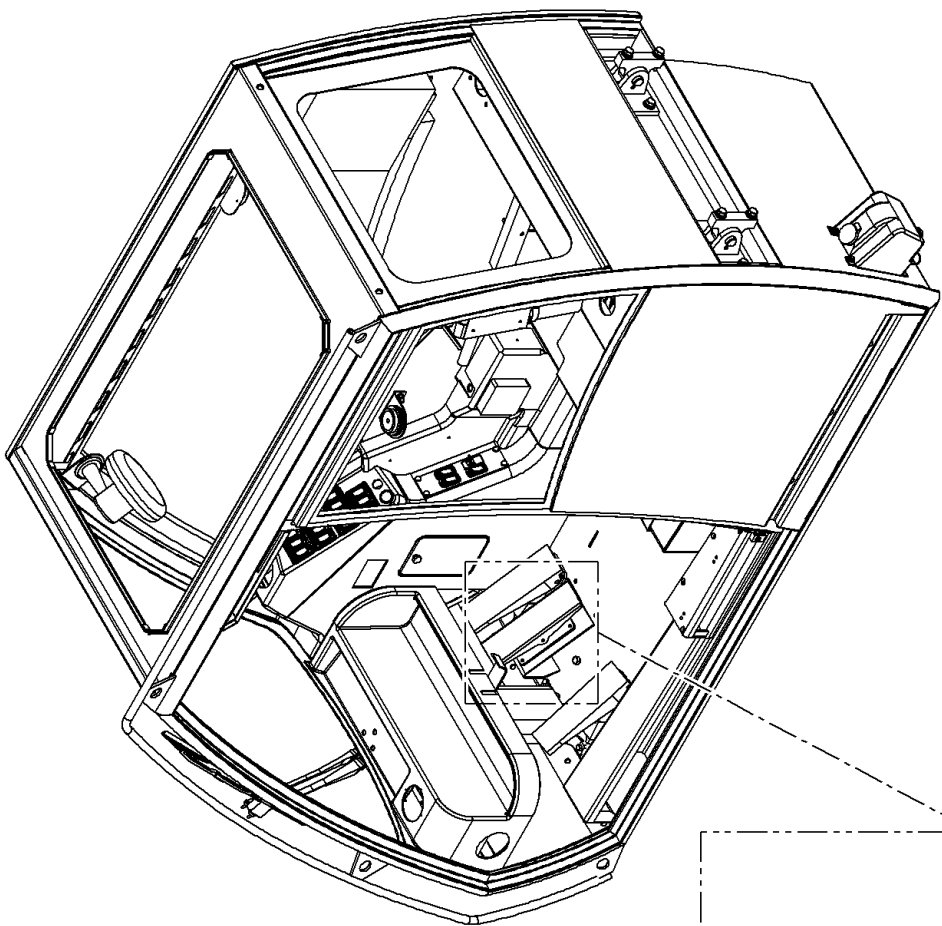
VALVE ASSEMBLY - BRAKE TREADLE (COMPLETE ASSEMBLY)

Assembly No.

7926100912

Revision:

Item	FN	Part	Qty	Description
1		9926113271	1	VALVE ASSY. BRAKE INCLUDES ITEM 2
2		NSS	1	VALVE, CARTRIDGE
3		9926113272	1	PEDAL ASSY. INCLUDES ITEMS 4 AND 5
4		9926113273	1	COVER, RUBBER
5		NSS	1	BASE, PEDAL
6		9926113274	4	SCREW
7		9926113275	1	BOOT, RUBBER
8		9926113276	1	SWITCH ASSY. PRESSURE
9		9926113277	1	FITTING, ADAPTOR



Manitowoc Cranes

Description

PEDAL ASSEMBLY - ELECTRONIC TELESCOPE (COMPLETE ASSEMBLY)

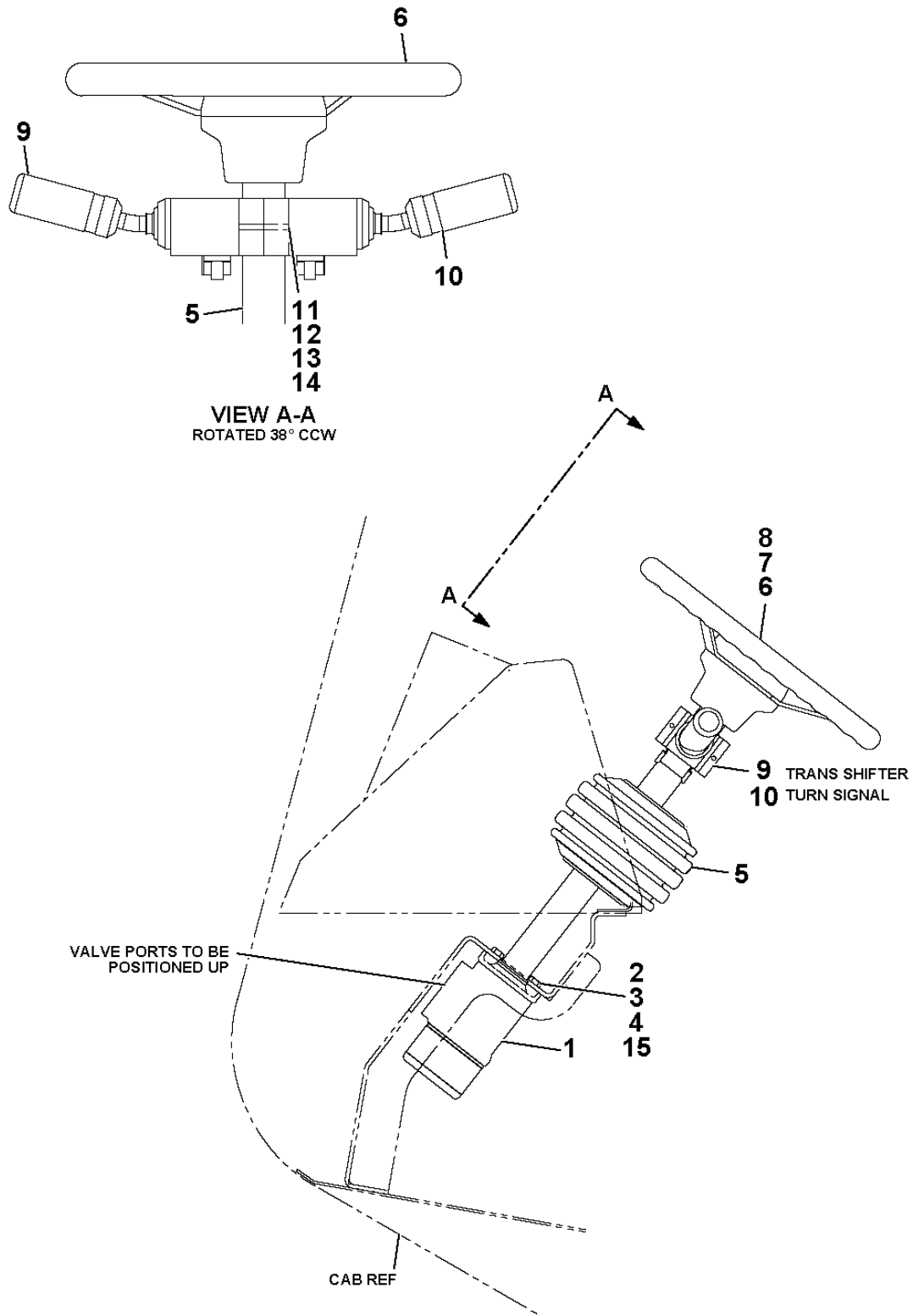
Assembly No.

7683100010

Revision:

Item	FN	Part	Qty	Description
1		9683100087	1	KIT, TREADLE ASSY. INCLUDES TREADLE ASSY. AND MOUNTING PLATE ASSY.
2		9683100088	1	KIT, DRIVE ASSY. INCLUDES MOUNTING PLATE FOR P.C.BOARD,W/ MAGNET AND HOLDER
3		9683100089	1	KIT, ELECTRICAL ASSY. INCLUDES P.C. BOARD AND SENSOR
4		9683100090	1	KIT, COVER ASSY. INCLUDES COVER, GASKETS AND STRAIN RELIEF AND HARDWARE
5		9352100665	1	TREADLE
6		7892000947	1	RECEPTACLE, 3 PIN
7		7689001782	3	PIN, 18 - 16 GAGE

Manitowoc Cranes



Manitowoc Cranes

Description

CONTROLS INSTALLATION - STEER AND DRIVE

Assembly No.

6245100995

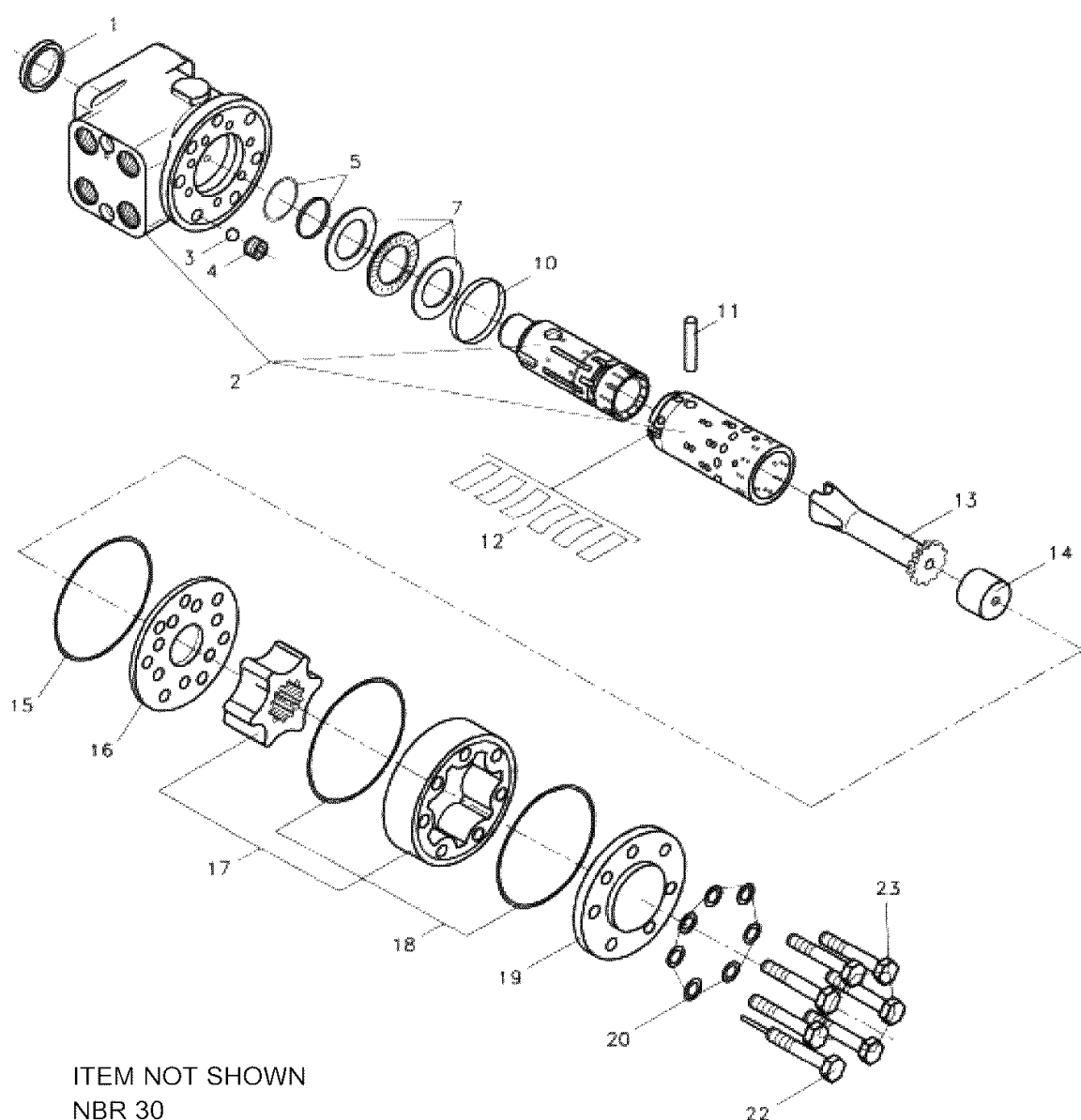
Revision: **C**

Item	FN	Part	Qty	Description
1	+	7926100899	1	VALVE ASSEMBLY - STEERING CONTROL (COMPLETE ASSEMBLY)
2		7115160850	4	CAP SCREW, 3/8" - 16 N.C. X 1" GRADE 5
3		7950160050	4	WASHER, LOCK 3/8" I.D.
4		7950160141	4	WASHER, 3/8" PLAIN NARROW
5	+=	7326100007	1	COLUMN ASSEMBLY - TILT STEERING (COMPLETE ASSEMBLY)
5	+=	6326100001	1	COLUMN ASSEMBLY - MODIFIED TILT STEERING (COMPLETE ASSEMBLY)
6		7970140706	1	WHEEL, STEERING
7		7659000252	1	NUT
8	#	7970140707	1	BUTTON, HORN
9		7872001734	1	TRANSMISSION SHIFTER ASSY(FNR)
10		7872001747	1	SWITCH, TURNSIGNAL/WIPER
11		7121131901	2	Slot PMS M5x60 -4.8 ISO 1580
12		7951130014	2	WASHER, FLAT M5 I.D.
13		7951130210	2	LOCKWASHER, 5MM I.D.
14		7661130003	2	NUT, HEX 5MM
15		7950160350	4	WASHER, LOCK 3/8" I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP
SERVICED AS AN ASSEMBLY ONLY

= REFER TO MCI FOR APPLICABLE NUMBER

Manitowoc Cranes



ITEM NOT SHOWN
NBR 30

Manitowoc Cranes

Description

VALVE ASSEMBLY - STEERING CONTROL (COMPLETE ASSEMBLY)

Assembly No.

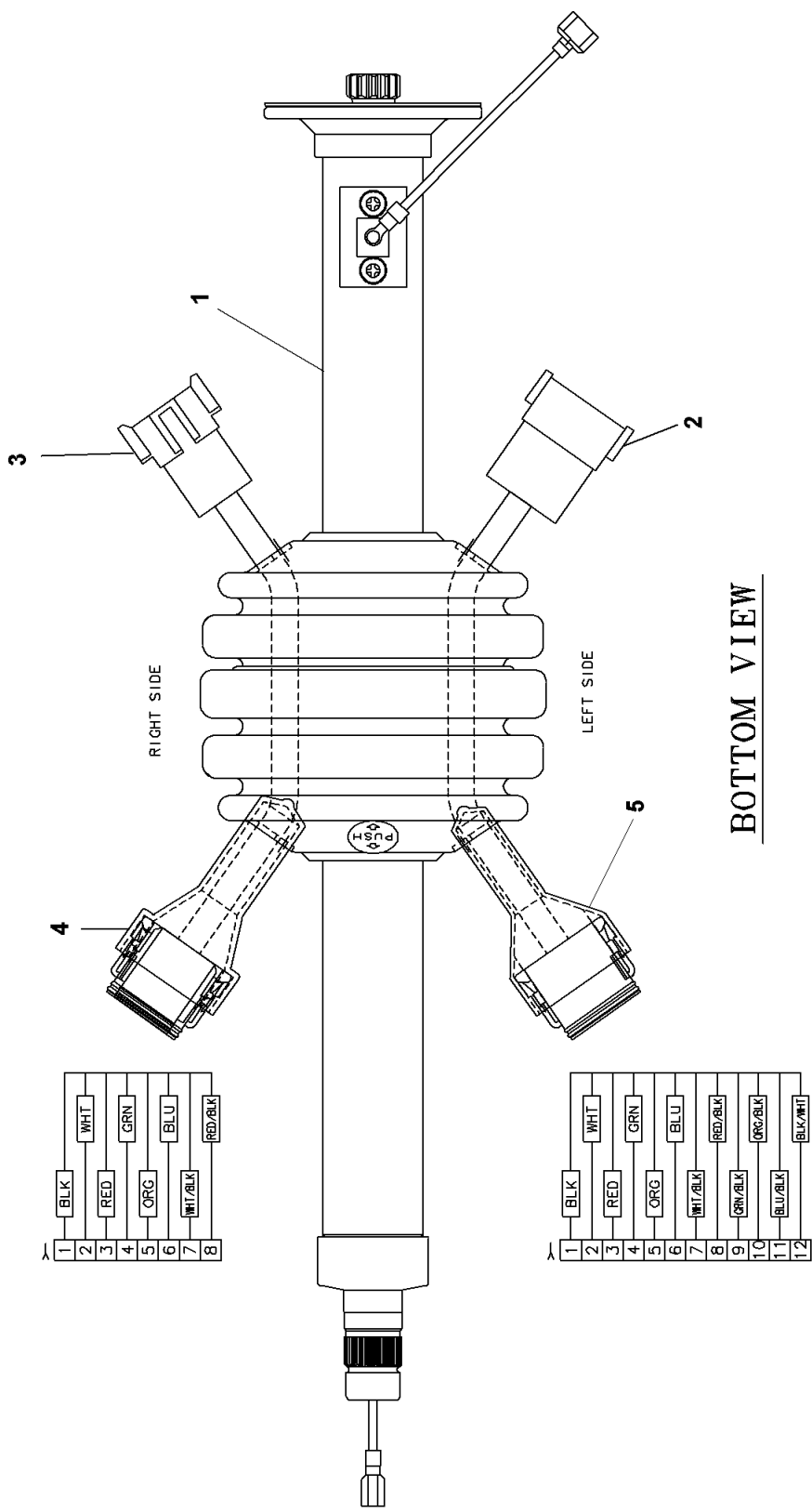
7926100899

Revision:

Item	FN	Part	Qty	Description
1	*	9926113110	1	SEAL, DUST RING
2		NSS	1	HOUSING, AND SPOOL W/ SLEEVE
3		9926113111	1	KIT, BUSHING W/BALL INCLUDES ITEMS 4
4		NSS	1	BUSHING
5	*	NSS	1	SEAL, SHAFT
7		9926113112	1	BEARING
10		9926113113	1	KIT, RING W/CROSS PIN INCLUDES ITEM 11
11		NSS	1	CROSS PIN
12		NSS	6	SPRINGS
13		NSS	1	SHAFT
14		NSS	1	SPACER
15	*	NSS	1	O-RING
16		9926110265	1	PLATE,DISTRIBUTOR
17		9926110266	1	GEAR, SET
18		NSS	1	O-RING
19		NSS	1	COVER, END
20	*	9632102851	7	WASHER,
22		9926113114	1	CAPSCREW, SPECIAL
23		9926113115	6	CAPSCREW
30	*	9926113116	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

COLUMN ASSEMBLY - MODIFIED TILT STEERING (COMPLETE ASSEMBLY)

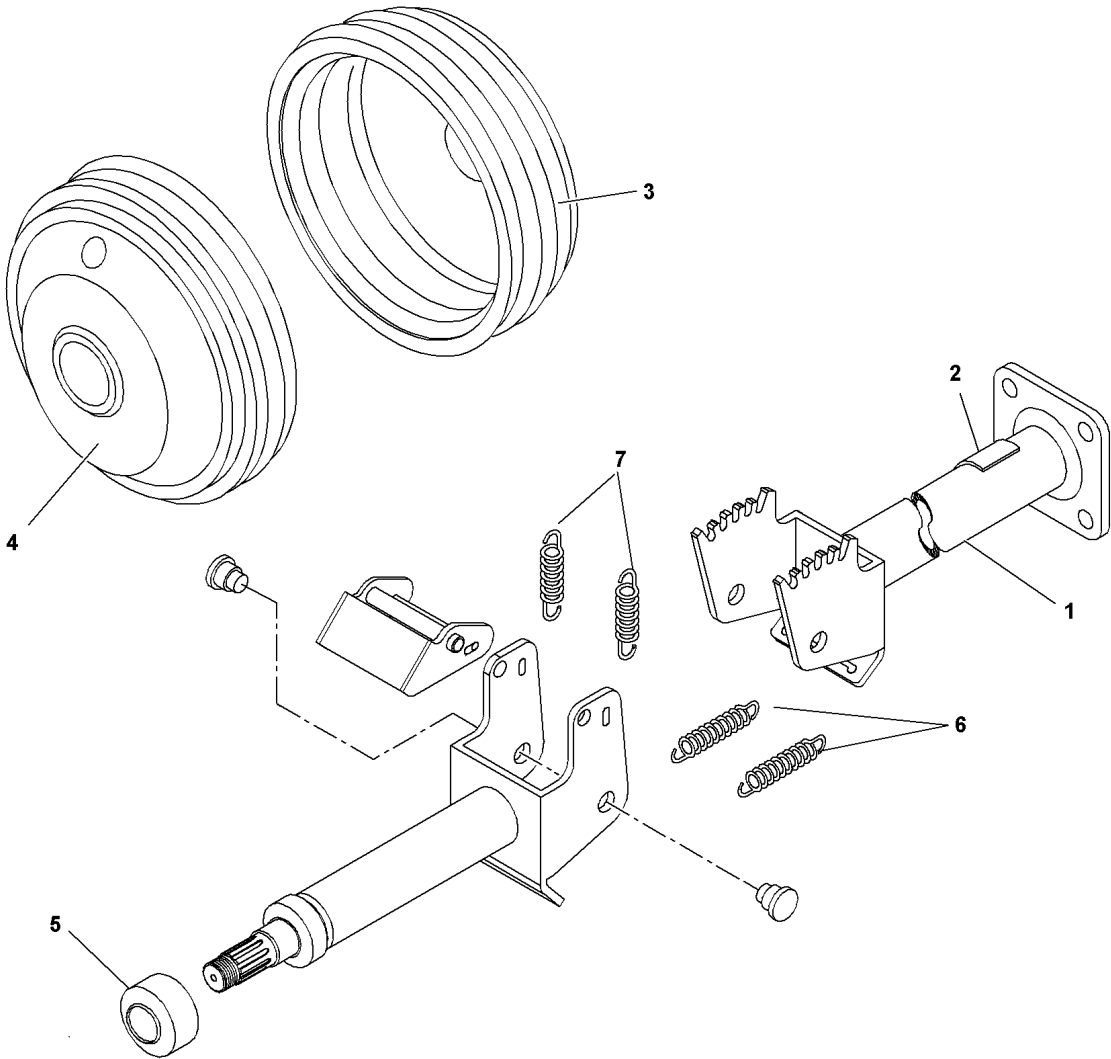
Assembly No.

6326100001

Revision: #

Item	FN	Part	Qty	Description
1	+	7326100007	1	COLUMN ASSEMBLY - TILT STEERING (COMPLETE ASSEMBLY)
2	+	6512100853	1	HARNESS ASSEMBLY - TURN SIGNAL/WASHER (COMPLETE ASSEMBLY)
3	+	6512100854	1	HARNESS ASSEMBLY - SHIFTER (COMPLETE ASSEMBLY)
4		7172000550	1	BOOT
5		7172000552	1	BOOT

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

COLUMN ASSEMBLY - TILT STEERING (COMPLETE ASSEMBLY)

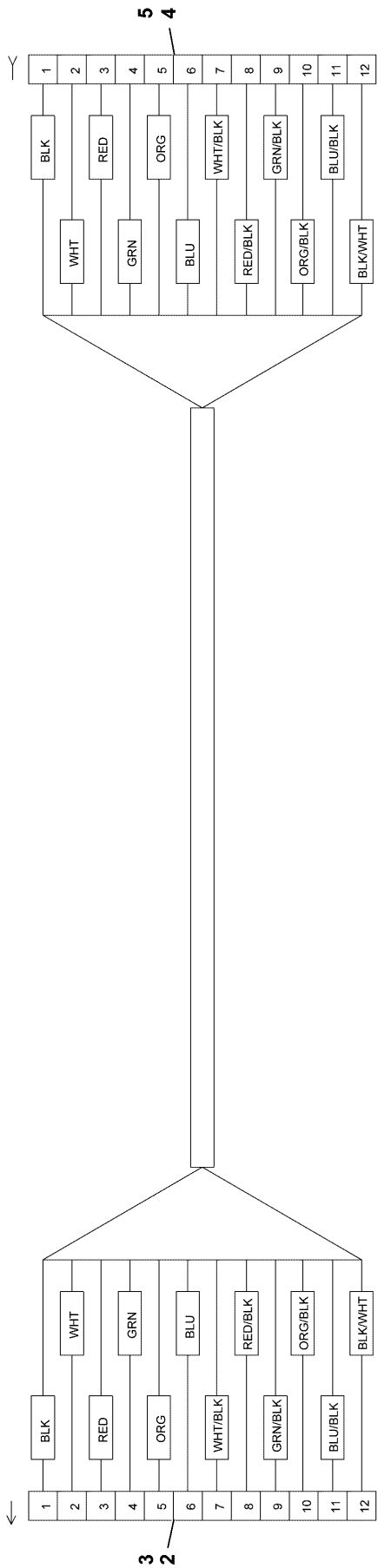
Assembly No.

7326100007

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOUSING, TUBE COLUMN
2		9326100494	1	KIT, HORN BRUSH W/GREASE
3		9326100495	1	BOOT, LOWER END
4		9326100496	1	BOOT, UPPER END
5		9326100497	1	CAP
6		9326100498	2	SPRING
7		9326100499	2	SPRING

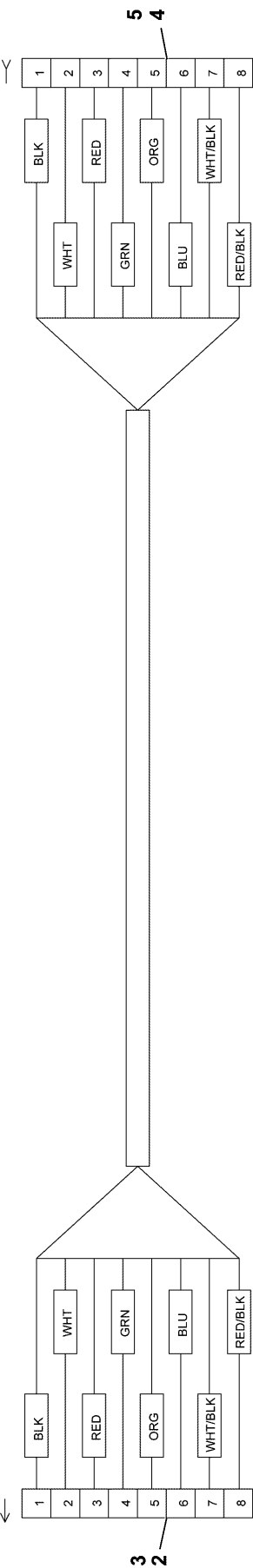
Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
HARNESS ASSEMBLY - TURN SIGNAL/WASHER (COMPLETE ASSEMBLY)				6512100853
				Revision: #
Item	FN	Part	Qty	Description
2		7892000951	1	RECEPTACLE, 12 PIN
3		7689001782	12	PIN, 18 - 16 GAGE
4		7709000846	1	PLUG, 12 SOCKET
5		7826000626	12	SOCKET, 16 - 18 AWG

Manitowoc Cranes



Manitowoc Cranes

Description

HARNESS ASSEMBLY - SHIFTER (COMPLETE ASSEMBLY)

Assembly No.

6512100854

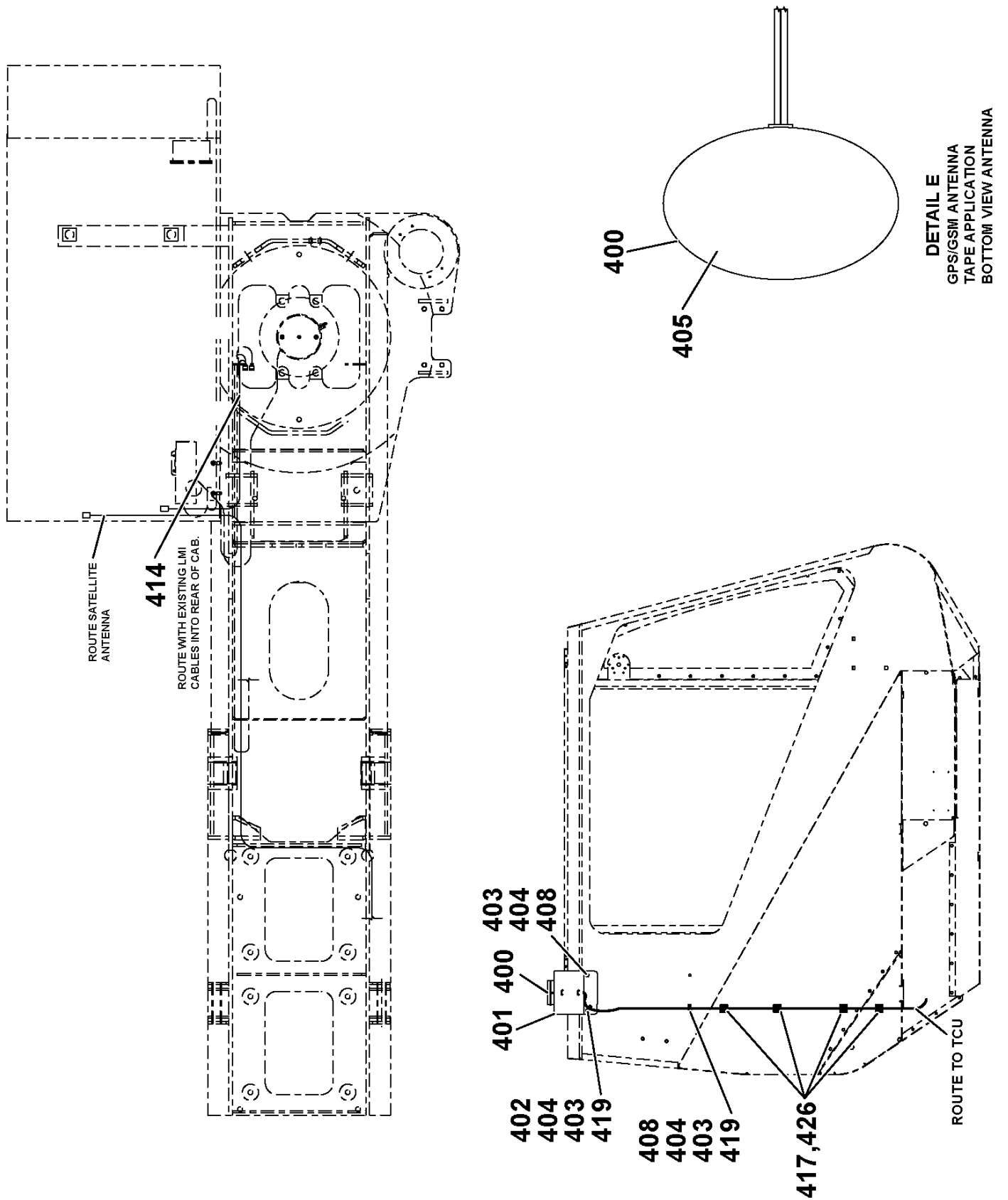
Revision: **A**

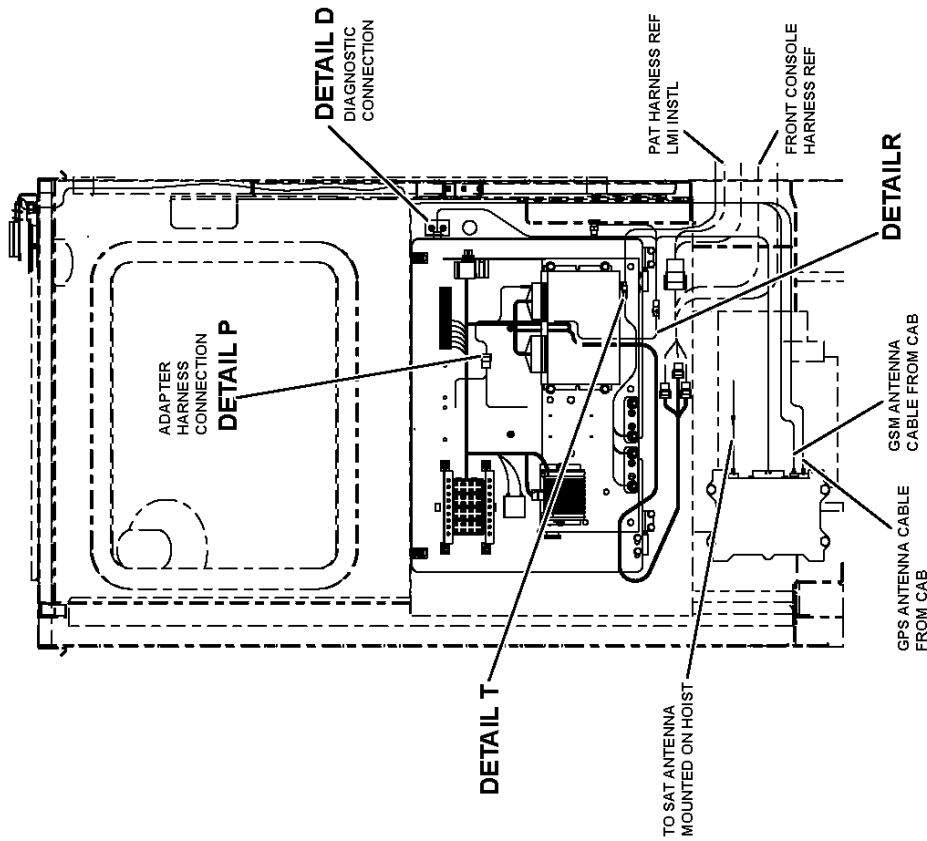
Item	FN	Part	Qty	Description
2		7892000831	1	RECEPTACLE, 8 PIN
3		7689001782	12	PIN, 18 - 16 GAGE
4		7709000811	1	PLUG 8 SOCKET
5		7826000626	12	SOCKET, 16 - 18 AWG

Manitowoc Cranes

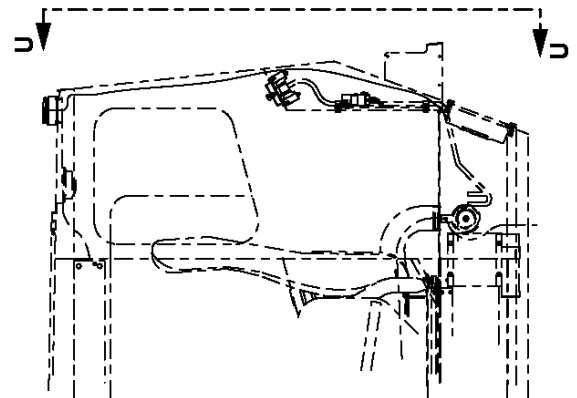
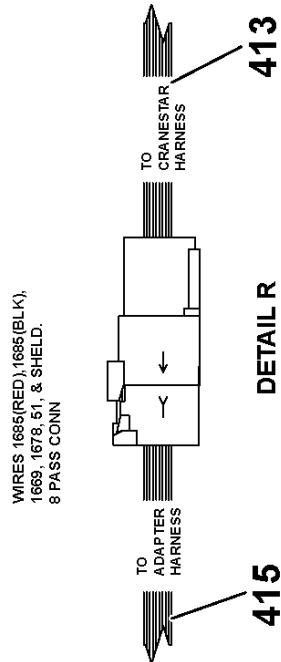
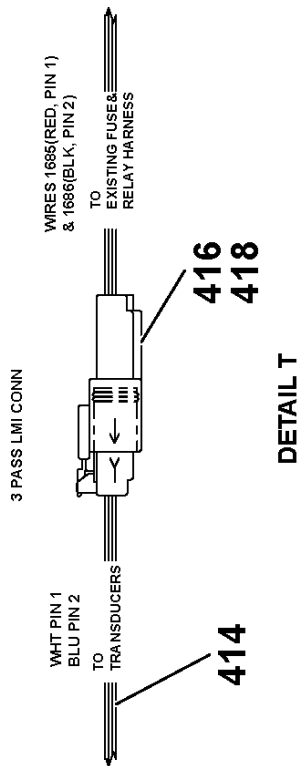
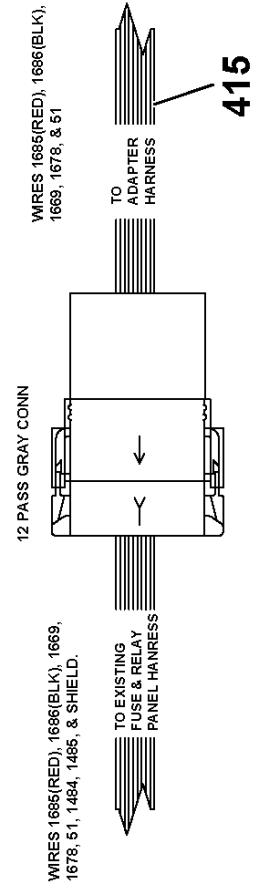
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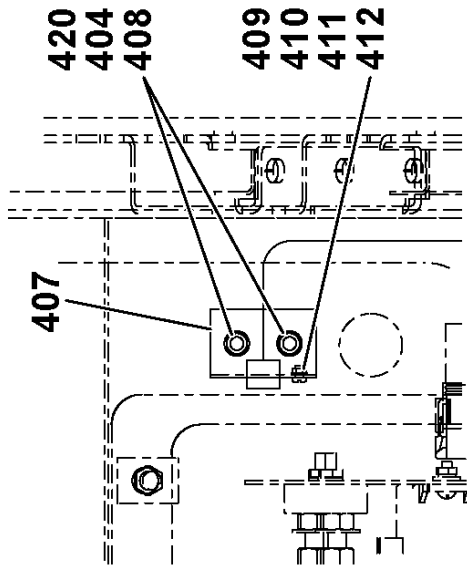
Manitowoc Cranes



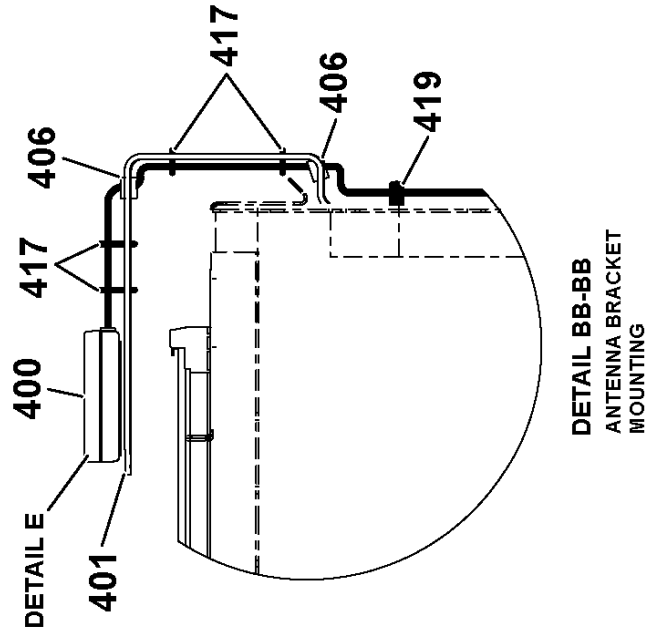


VIEW U-U

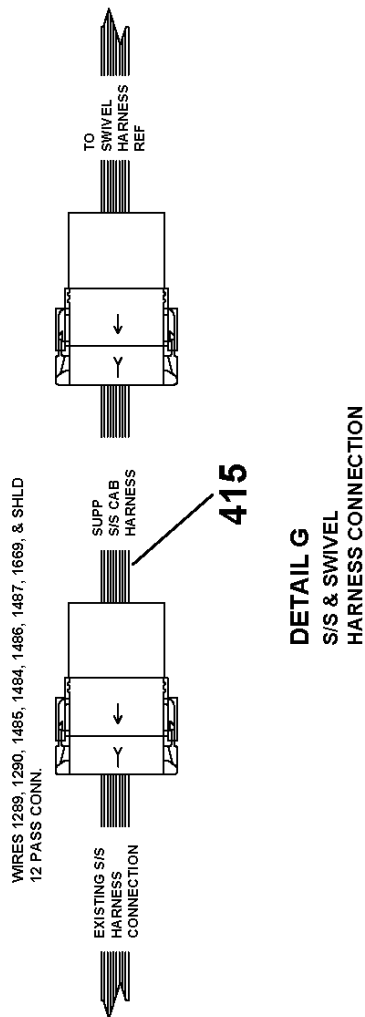




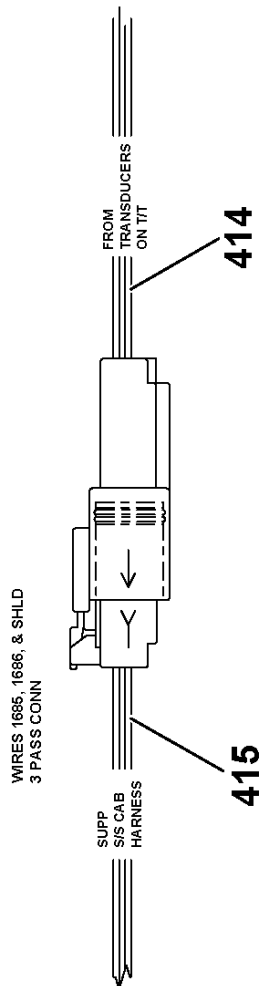
DETAIL D
DIAGNOSTIC CONNECTION
BRACKET INSTALLATION



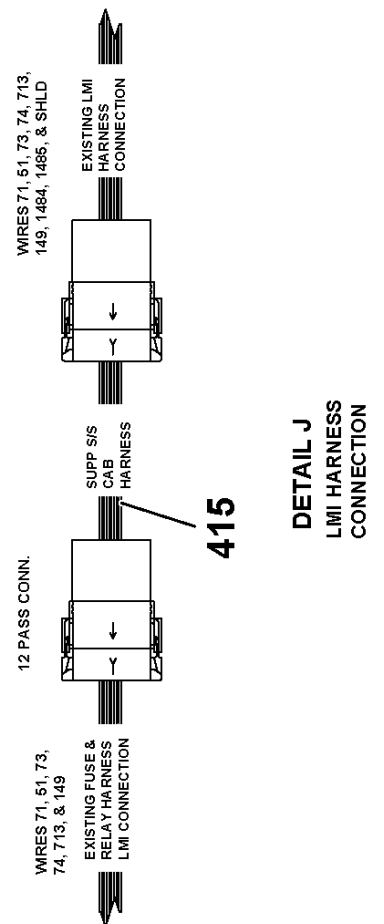
DETAIL BB-BB
ANTENNA BRACKET
MOUNTING



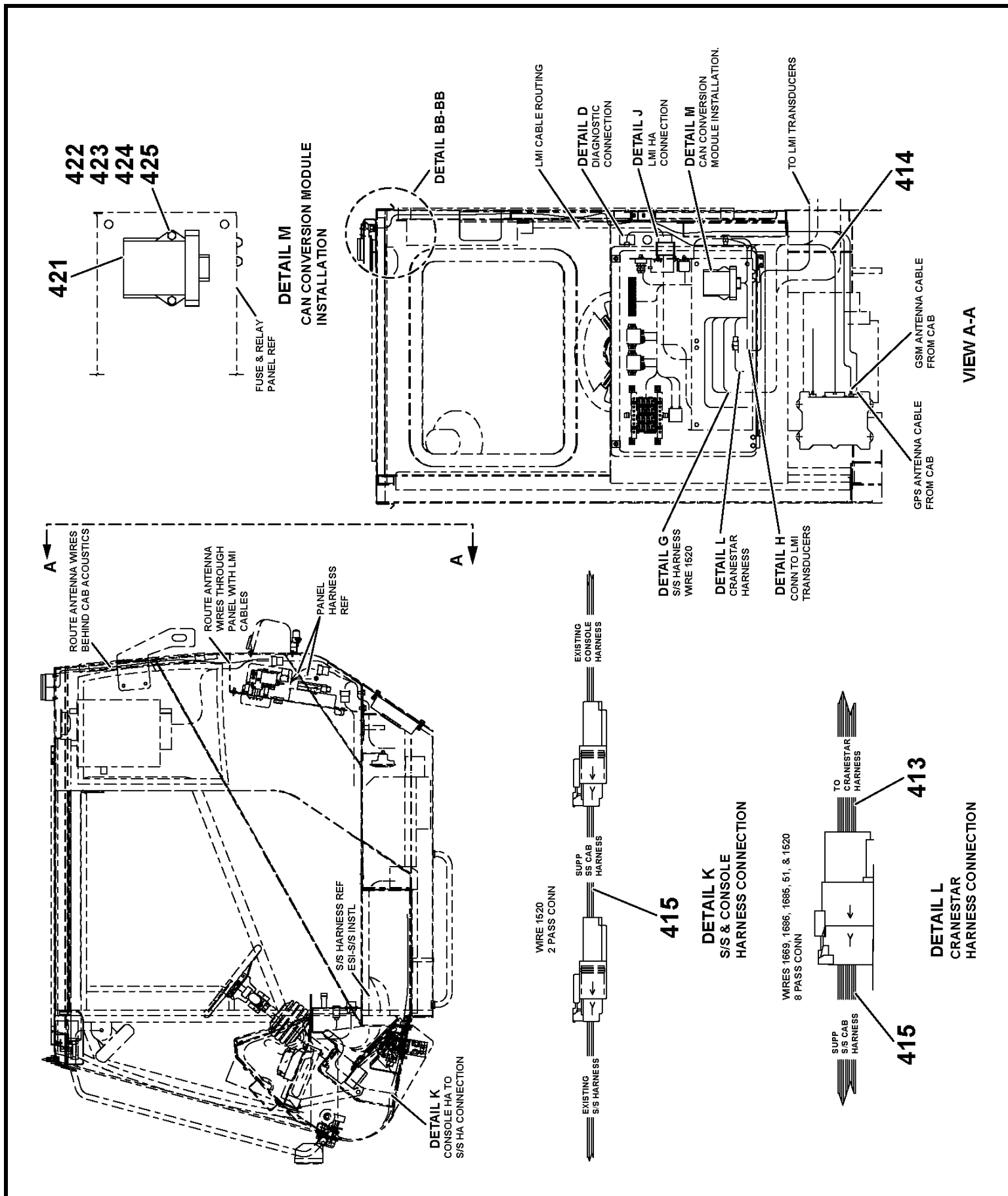
DETAIL G
S/S & SWIVEL
HARNESS CONNECTION



DETAIL H
LMI TRANSDUCERS & CAB
HARNESS CONNECTION



DETAIL J
LMI HARNESS
CONNECTION



Manitowoc Cranes

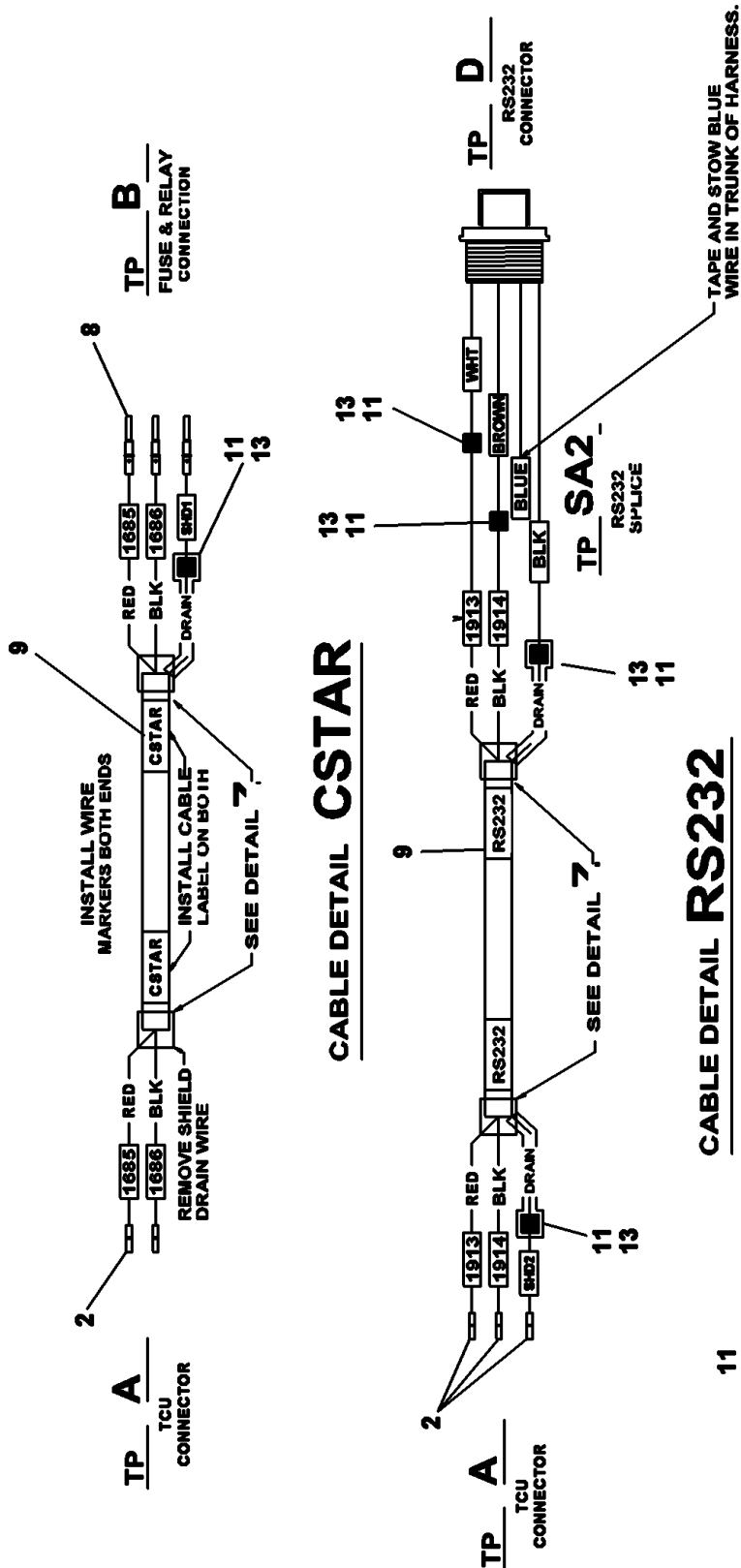
Description CAB CRANESTAR INSTALL RT540E				Assembly No. 80033192 Revision: A
Item	FN	Part	Qty	Description
400		80021858	1	ANTENNA , GPS/GSM
401		80032995	1	BRACKET, ANTENNA MOUNTING
402		7115140750	1	CAP SCREW, 1/4" - 20 N.C. X 7/8" GRADE 5
403		7950140141	3	WASHER, FLAT 1/4" PLAIN NARROW
404		7950140050	3	WASHER, LOCK 1/4"
405		80022642	1	TAPE CUTOUT, 3M VHB
406		7506000001	2	GROMMET .38" I.D.
407		80016164	1	BRACKET CRANESTAR DIAGN CONN
408		7115140650	4	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
409		7111040410	1	SCREW, MACHINE 7/64" - 40 N.C. X 1/2" GRADE 1
410		7950040141	2	WASHER, 7/64" I.D.
411		7950040050	1	LOCKWASHER, 7/64" I.D.
412		7660041100	1	NUT, HEX 7/64" - 40 N.C. GRADE 1
413	+	80015987	1	HARNESS ASSEMBLY-CRANESTAR TCU
414	+	80015621	1	CANBUS CRANE ASSEMBLY (RETRO)
415	+	80016119	1	HARNESS ASSEMBLY-SUPPLEMENTAL SUPERSTRUCTURE CAB FUSE & RELAY
417		7850000208	50	CABLE TIE, BLACK
419		7300000098	2	CLAMP, TUBING 1/4" I.D.
420		7660140000	2	NUT, HEX 1/4" - 20 N.C.
421		80013262	1	CAN CONVERSION MODULE
422		7126151353	2	CAP SCREW, M6X30 HEX HEAD
423		7951150014	2	WASHER, 6MM I.D.
424		7951150220	2	WASHER, LOCK M6
425	#	7661150003	2	NUT, HEX
426		80033376	4	WIRE TIE MOUNT ADHESIVE BACKED

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

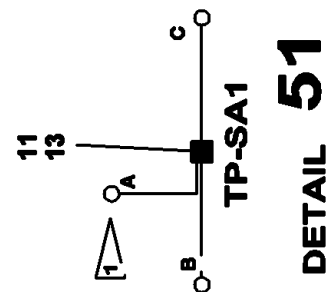
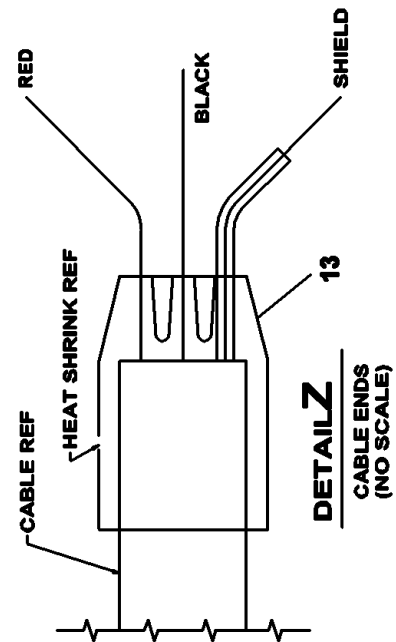
Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
51A	WHITE GXL	18	35	C	16	—	SA1	STRIP	SEE DETAIL
51B		18	38	A	2	—	SA1	STRIP	SEE DETAIL
51C		18	4	B	8	—	SA1	STRIP	SEE DETAIL
1669A		18	42	A	2	—	B	8	—
1678		18	42	A	2	—	B	8	—
1912		18	15	A	2	—	C	16	—
SHD1		18	2	B	STRIP	SEE DETAIL	—	—	—
SHD2	WHITE GXL	18	2	A	STRIP	SEE DETAIL	—	—	—

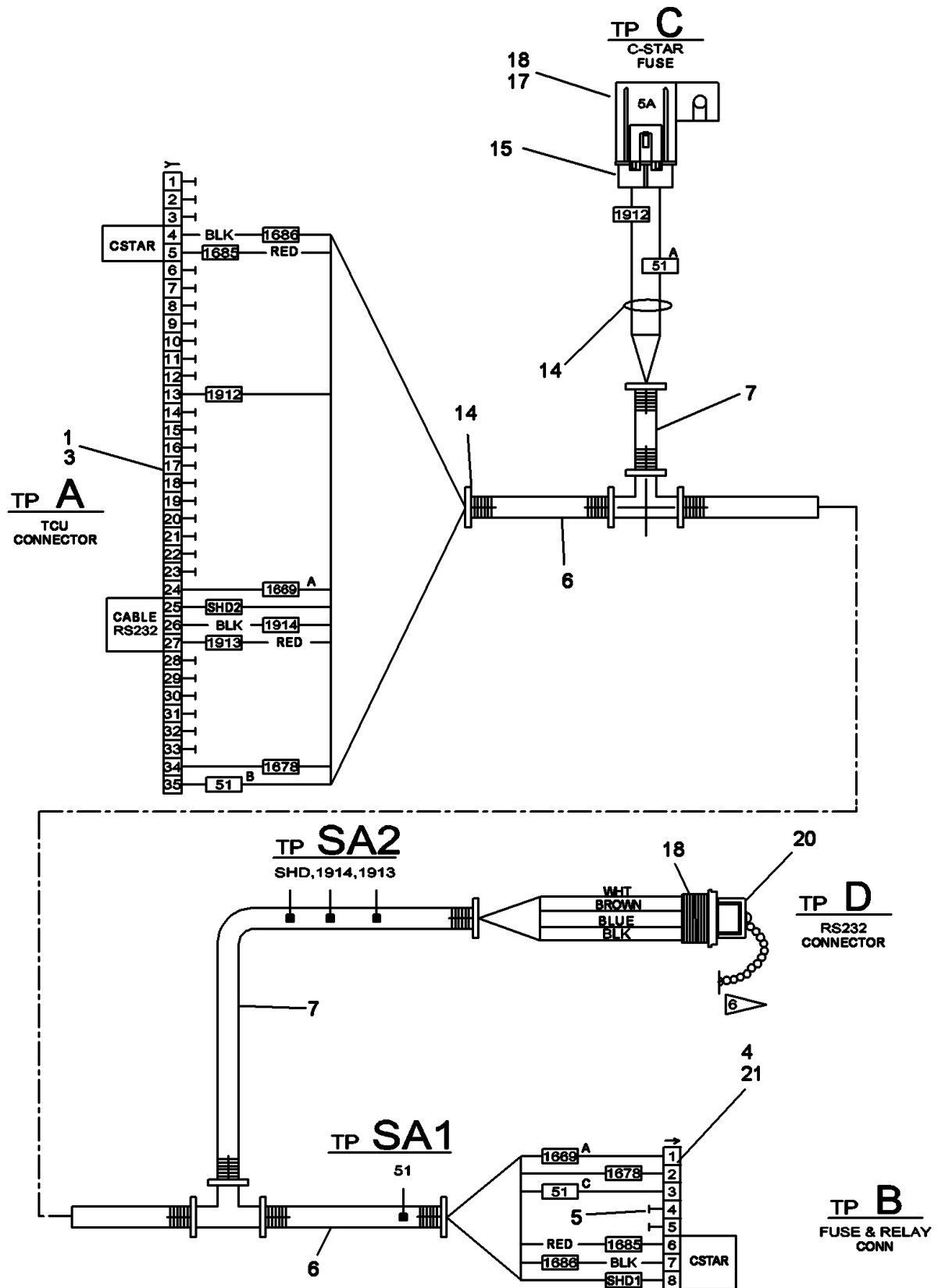


CABLE DETAIL CSTAR

CABLE DETAIL RS232



Manitowoc Cranes



Manitowoc Cranes

Description

HARNESS ASSEMBLY-CRANESTAR TCU

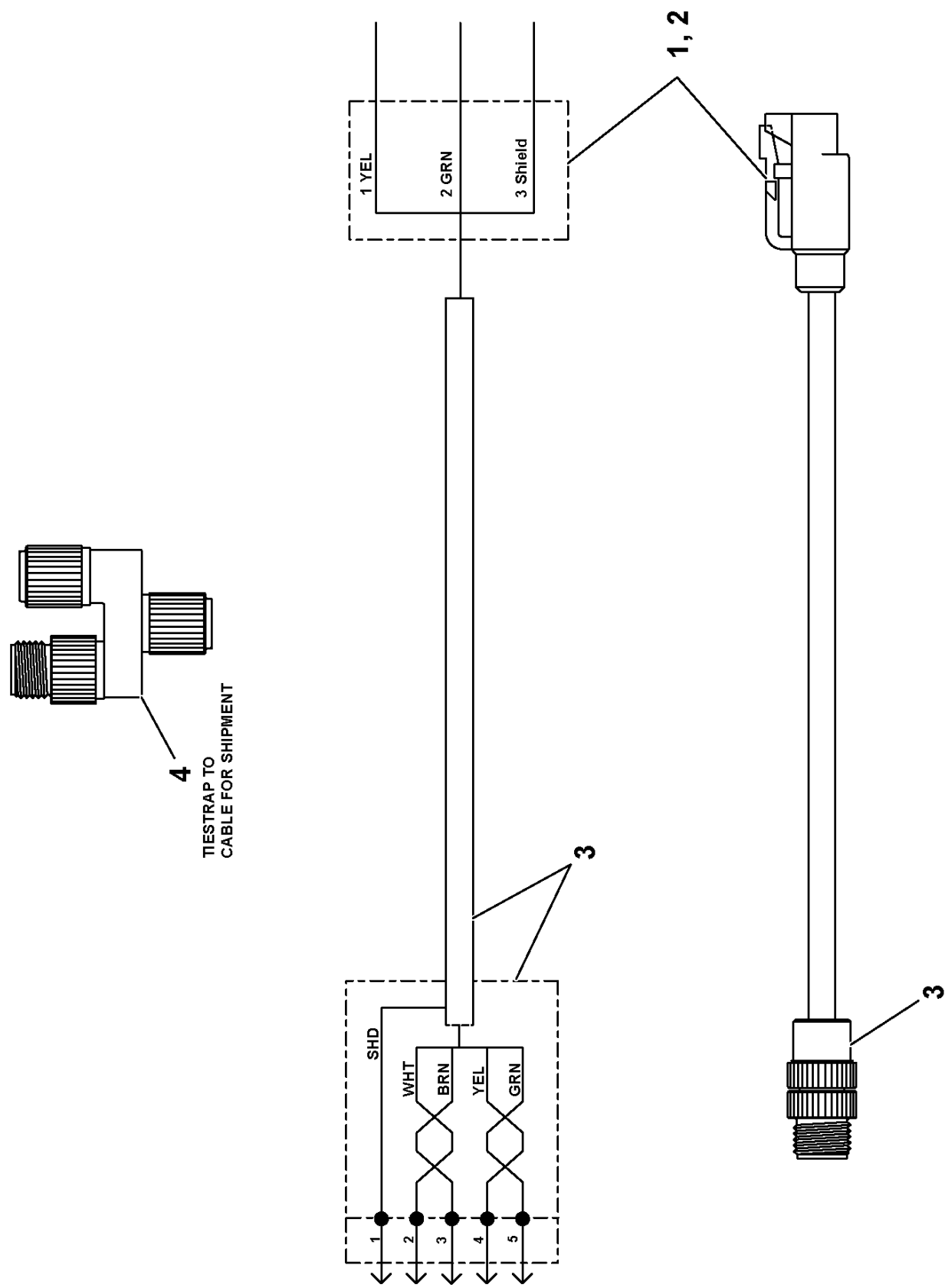
Assembly No.

80015987

Revision: #

Item	FN	Part	Qty	Description
1		80003395	1	AMP-PLUG (35S)
2		80003367	9	SOCKET 20-16GA
3		80004700	26	SEALING PLUG - NYLON
4		7892000950	1	RECEPTACLE, 8 PIN
5		7689000503	2	PLUG, SEALING 16 - 12 AWG
6		8594000006	4	FLEXGUARD - .350" I.D. (QUANTITY IN FEET)
7		8594000019	2	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
8		7689002053	6	PIN 16 - 18 AWG
9		7246100321	8	CABLE 18GA
11		7892000194	6	PARALLEL, NON - INSULATED 16 - 14 AWG
13		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
14		7850000208	11	CABLE TIE, BLACK
15		7892100027	1	2-PASS CONNECTOR/GRAY SEAL
16		7892100032	2	TERMINAL, FEMALE
17		7892100030	1	CONNECTOR, COVER/SINGLE
18		7482000035	1	FUSE, 5 AMP
19		5898700	1	RECEPTACLE
20		3046370	1	CAP
21		7172000549	1	BOOT

Manitowoc Cranes



Manitowoc Cranes

Description

CANBUS CRANE ASSEMBLY (RETRO)

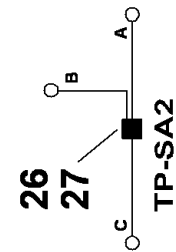
Assembly No.

80015621

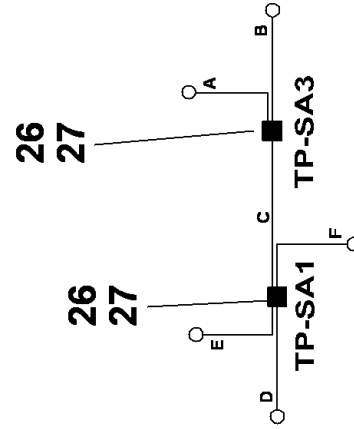
Revision: #

Item	FN	Part	Qty	Description
1		7709100877	1	PLUG
2		7826100018	3	SOCKET, 20 GAUGE GOLD
3		80016201	1	CANBUS CABLE 6M
4		80016200	1	CANBUS "T" M12

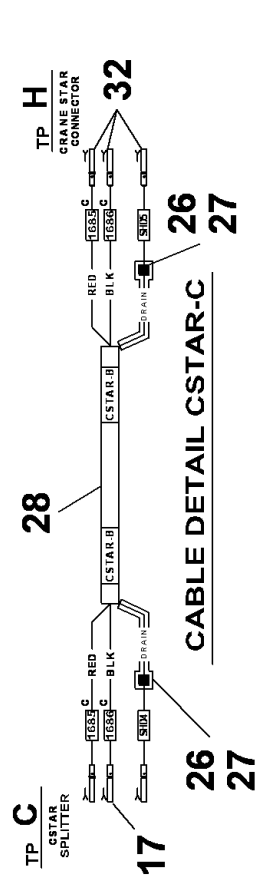
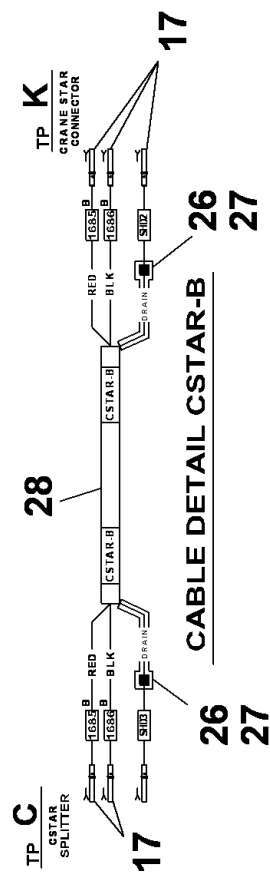
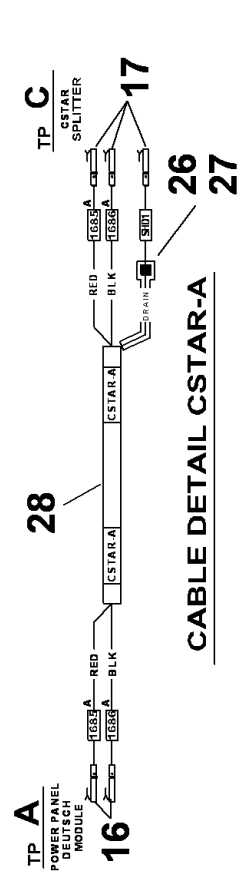
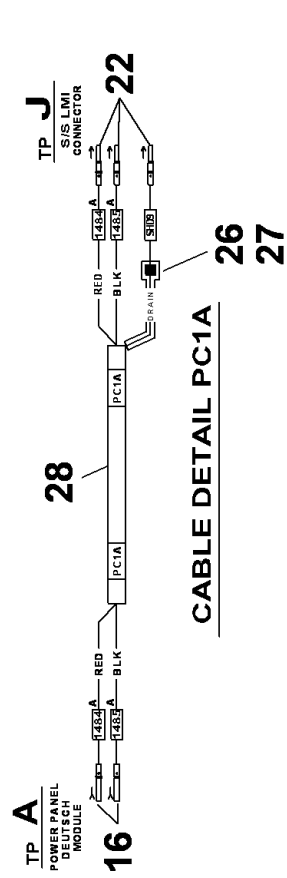
WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
51A	WHT GXL	16	39	G	23	—	SA2	STRIP	SEE DETAIL
51B		18	14	A	16	—	SA2	STRIP	SEE DETAIL
51C		18	37	K	21	—	SA2	STRIP	SEE DETAIL
51D		18	8	J	18	—	F	21	—
71		14	8	J	20	—	F	19	—
73		18	8	J	18	—	F	21	—
74A		18	8	J	18	—	F	21	—
149		18	8	J	18	—	F	21	—
713		18	8	J	18	—	F	21	—
1289		16	8	E	22	—	D	17	—
1290		16	8	E	22	—	D	17	—
1484B		16	8	E	22	—	D	17	—
1485B		16	8	E	22	—	D	17	—
1486A		16	8	E	22	—	D	17	—
1487A		16	8	E	22	—	D	17	—
1520A		18	5	B	21	—	SA3	STRIP	SEE DETAIL
1520B		18	5	B	18	—	SA3	STRIP	SEE DETAIL
1520C		18	122	SA3	STRIP	SEE DETAIL	SA1	STRIP	SEE DETAIL
1520D		18	5	A	16	—	SA1	STRIP	SEE DETAIL
1520E		18	5	A	16	—	SA1	STRIP	SEE DETAIL
1520F		18	45	K	21	—	SA1	STRIP	SEE DETAIL
1669A		14	8	D	19	—	K	19	—
SHD1		18	3	C	STRIP	SEE CAB CSTAR-A	—	—	—
SHD2		18	3	K	STRIP	SEE CAB CSTAR-B	—	—	—
SHD3		18	3	C	STRIP	SEE CAB CSTAR-B	—	—	—
SHD4		18	3	C	STRIP	SEE CAB CSTAR-C	—	—	—
SHD5		18	3	H	STRIP	SEE CAB CSTAR-C	—	—	—
SHD6		18	8	D	17	—	E	22	—
SHD7		18	8	D	17	—	E	22	—
SHD8		18	8	D	17	—	E	22	—
SHD9	WHT GXL	18	3	J	STRIP	SEE CAB PC1A	—	—	—



DETAIL 51

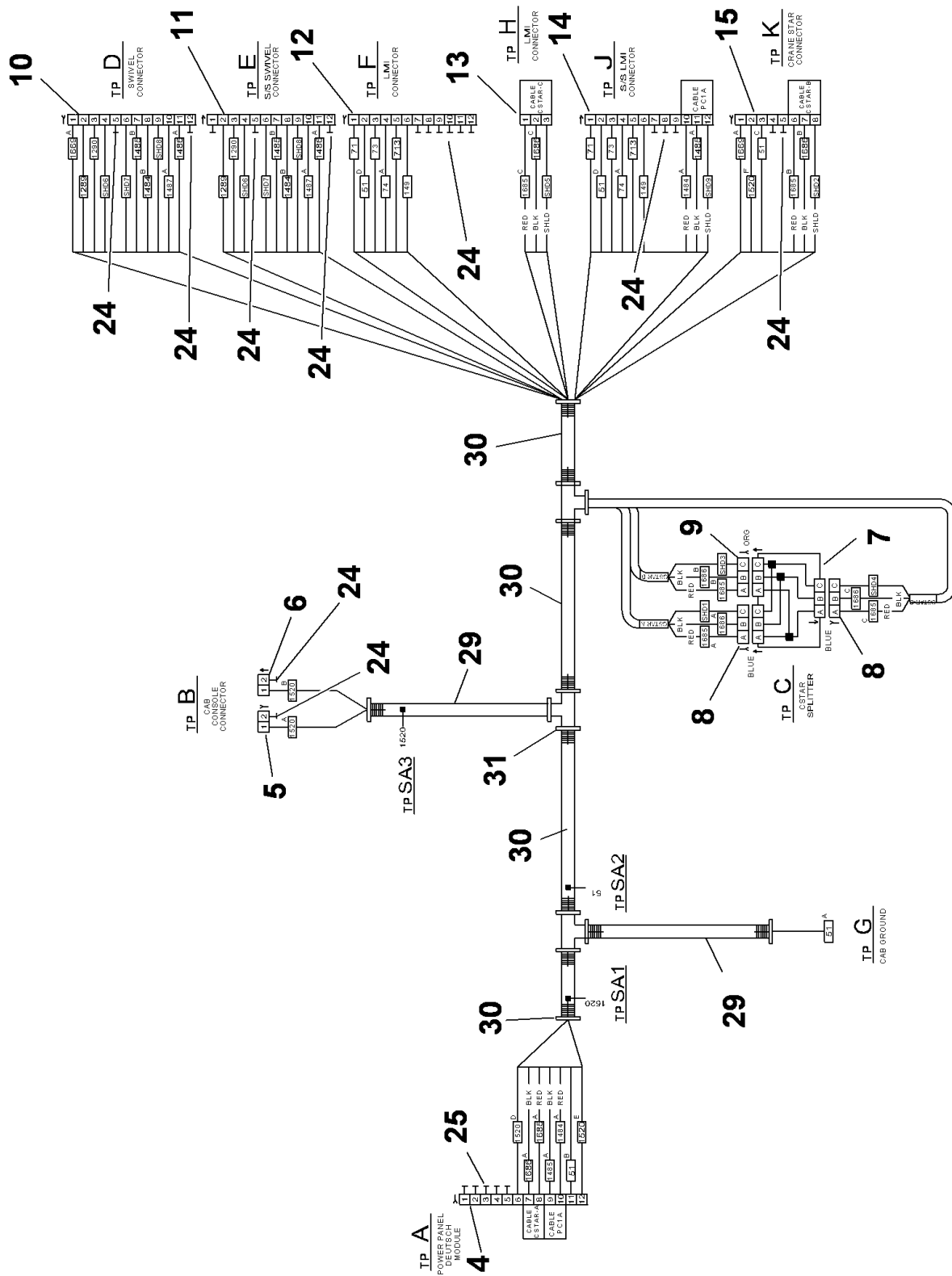


DETAIL 1520



WIRE NUMBER LABELS FOR USE ON CABLE ASSYS									
WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQD
1484A	RED	10	5	PC1A	A	USE INSUL	J	USE INSUL	2
1485A	BLK	10	5	PC1A	A	USE INSUL	J	USE INSUL	2
1685A	RED	10	5	CSTAR-A	A	USE INSUL	C	USE INSUL	2
1685B	RED	10	5	CSTAR-B	C	USE INSUL	K	USE INSUL	2
1685C	RED	10	5	CSTAR-C	C	USE INSUL	H	USE INSUL	2
1686A	BLK	10	5	CSTAR-A	A	USE INSUL	C	USE INSUL	2
1686B	BLK	10	5	CSTAR-B	C	USE INSUL	K	USE INSUL	2
1686C	BLK	10	5	CSTAR-C	C	USE INSUL	H	USE INSUL	2

Manitowoc Cranes



Manitowoc Cranes

Description

HARNESS ASSEMBLY-SUPPLEMENTAL SUPERSTRUCTURE CAB FUSE & RELAY

Assembly No.

80016119

Revision: **B**

Item	FN	Part	Qty	Description
4		7709100907	1	PLUG DTM06,12SA W/WM-12S WEDGE
5		7709000844	1	PLUG, 2 SOCKET
6		7892000949	1	RECEPTACLE, 2 PIN
7		7892100036	1	RECEPTACLE, 3 WAY
8		7709100911	2	PLUG,DT06-3S-CEO6 W/BLUE WEDGE
9		7709000874	1	PLUG 3 SOCKET
10		7709000846	1	PLUG, 12 SOCKET
11		7892000951	1	RECEPTACLE, 12 PIN
12		7709100929	1	PLUG, DTO6-12SB-C015 W/WEDGE
13		7892100010	1	RECEPTACLE, DTM-3P
14		7892100086	1	RECEPT, DTO4-12PB-C015 W/WEDGE
15		7709000845	1	PLUG 8 SOCKET
16		7826100018	7	SOCKET, 20 GAUGE GOLD
17		7826100004	21	SOCKET, (16 - 18) 30 SERIES
18		7689001782	6	PIN, 18 - 16 GAGE
19		7826000087	3	SOCKET, 16-14 GA
20		7689000704	1	PIN, 16 - 14 GA
21		7826000626	8	SOCKET, 16 - 18 AWG
22		7689002053	12	PIN 16 - 18 AWG
23		7345241701	1	TONGUE, INSULATED RING
24		7689000503	18	PLUG, SEALING 16 - 12 AWG
25		7826000650	5	PLUG, SEALING
26		7892000194	9	PARALLEL, NON - INSULATED 16 - 14 AWG
27		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
28		7246100321	12	CABLE 18GA
29		8594000019	11	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)

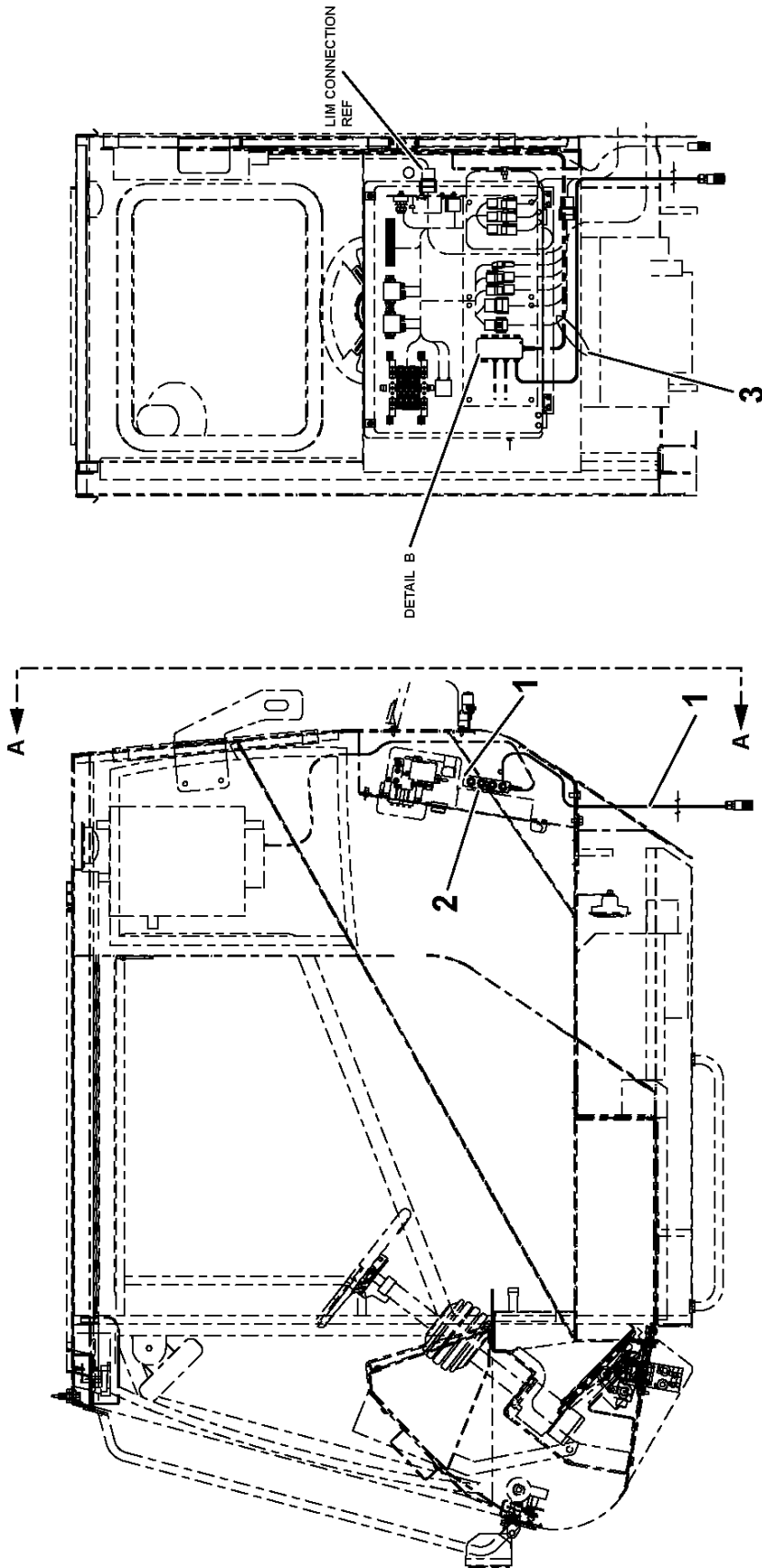
Manitowoc Cranes

Description				Assembly No.
HARNESS ASSEMBLY-SUPPLEMENTAL SUPERSTRUCTURE CAB FUSE & RELAY				80016119
				Revision: B
Item	FN	Part	Qty	Description
30		8594000002	4	FLEXGUARD - .750" I.D. (QUANTITY IN FEET)
31		7850000208	50	CABLE TIE, BLACK
32		7689100044	3	PIN, 20GA GOLD

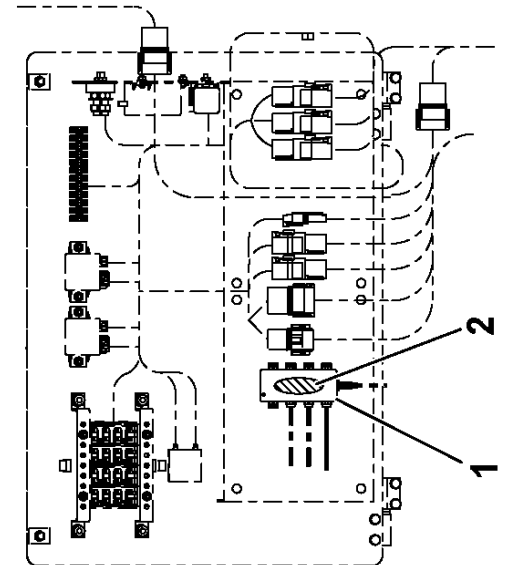
Manitowoc Cranes

Notes

Manitowoc Cranes



VIEW A-A
CAB REAR VIEW

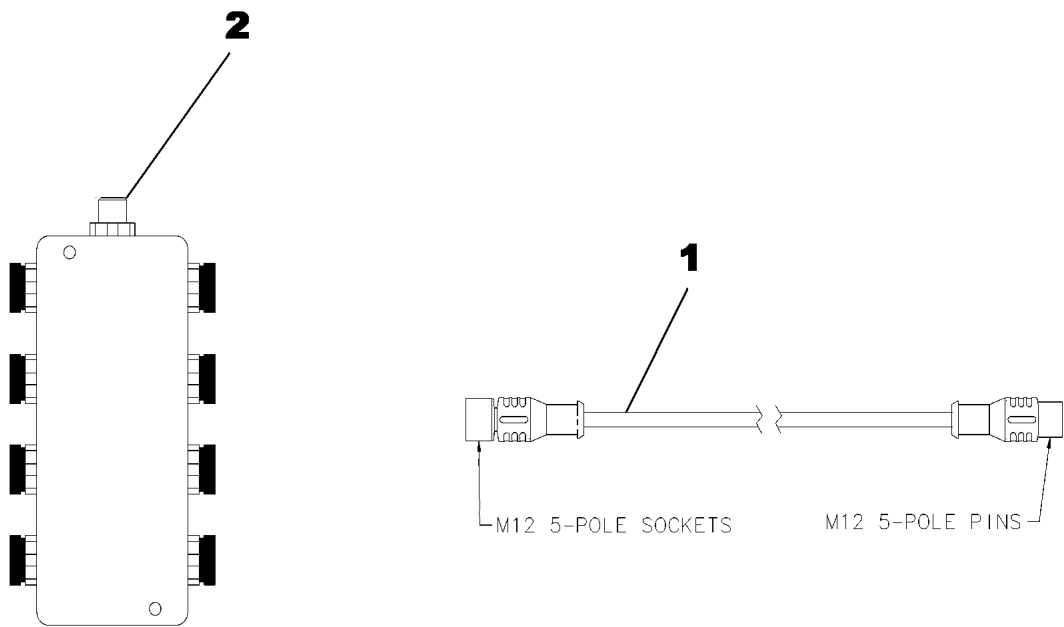


DETAIL B
FUSE AND RELAY PANEL VIEW

Manitowoc Cranes

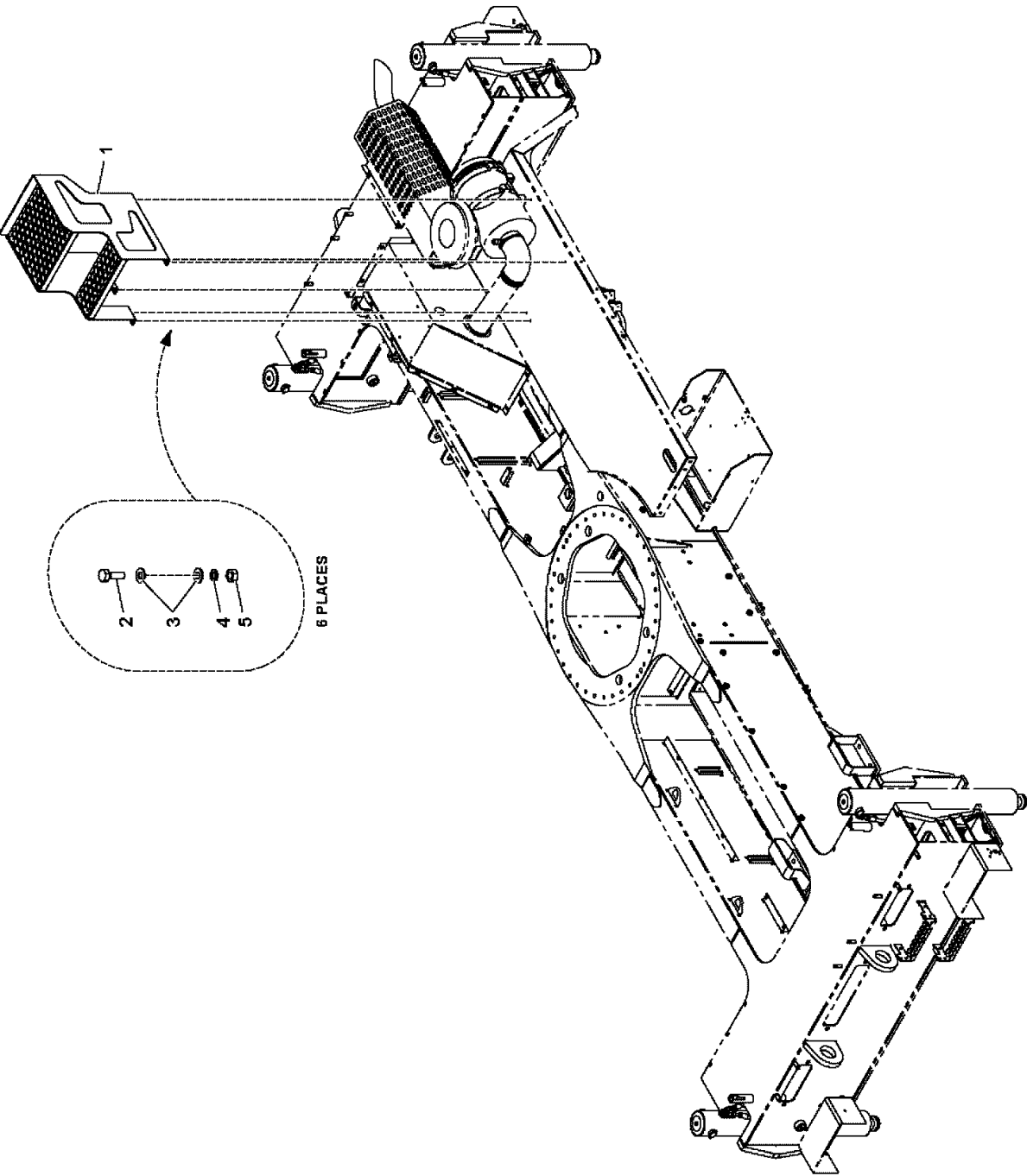
Description				Assembly No.
LMI SUPPLEMENTAL CAN-BUS KIT INSTALL				80039366
				Revision: A
Item	FN	Part	Qty	Description
1	+	80037065	1	LMI SUPP CAN-BUS KIT
2		80022642	1	TAPE CUTOUT, 3M VHB
3		7850000208	20	CABLE TIE, BLACK

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description				Assembly No.
LMI SUPP CAN-BUS KIT				80037065
				Revision: A
Item	FN	Part	Qty	Description
1		80008201	1	CABLE, CAN BUS M12 SHLD 3m
2		80036690	1	LMI 8-PORT CANBUS BOX



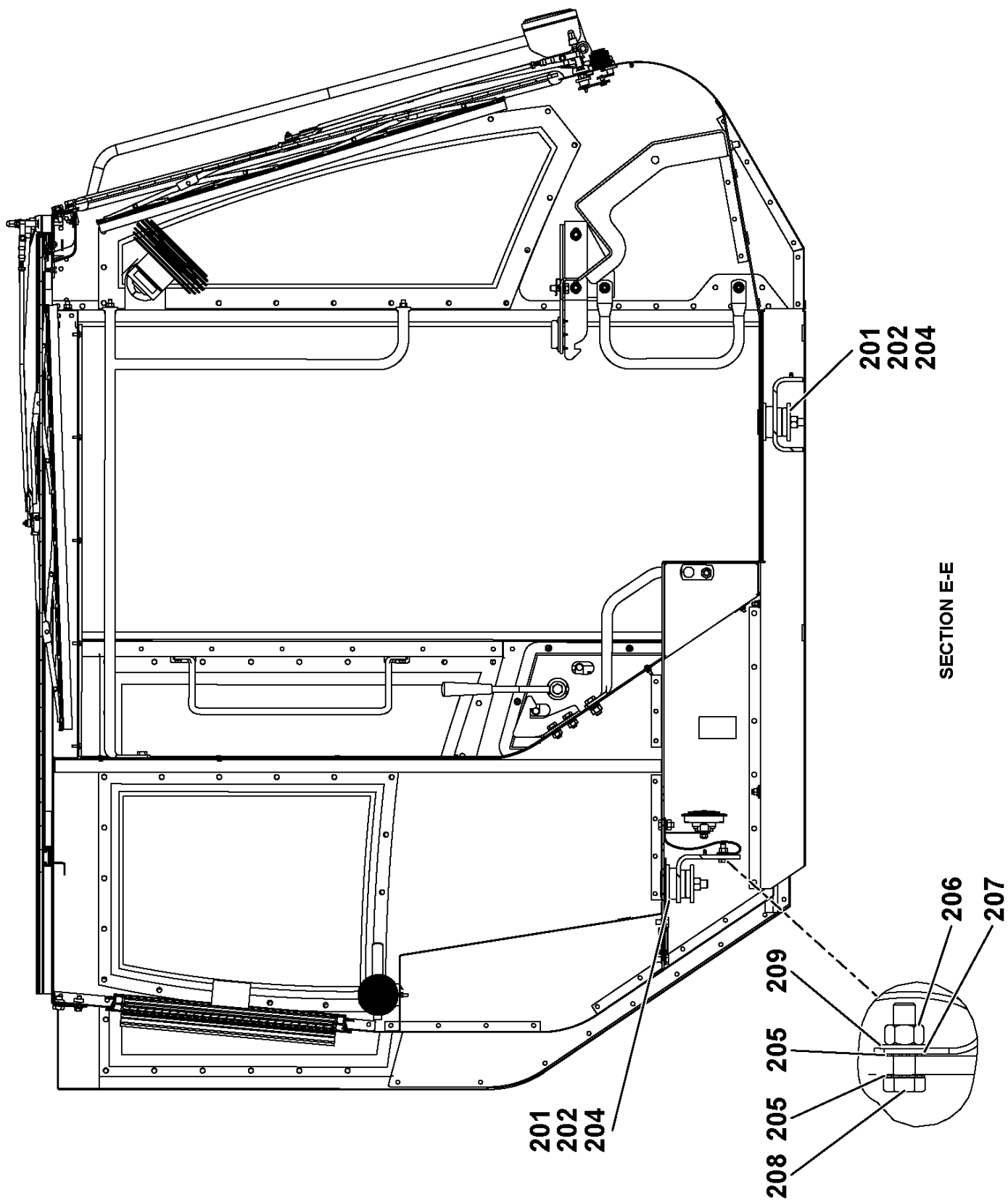
Manitowoc Cranes

Description STEP INSTALLATION HOIST ACCESS				Assembly No. 2159110275 Revision: #
Item	FN	Part	Qty	Description
1		2159110274	1	STEP, CARRIER DECK
2		7126191350	6	CAP SCREW, M10X30 HEX HEAD
3		7951190014	12	FLAT WASHER, 10MM I.D.
4		7951190210	6	LOCK WASHER, 10MM
5		7661190003	6	NUT, HEX 10MM

Manitowoc Cranes

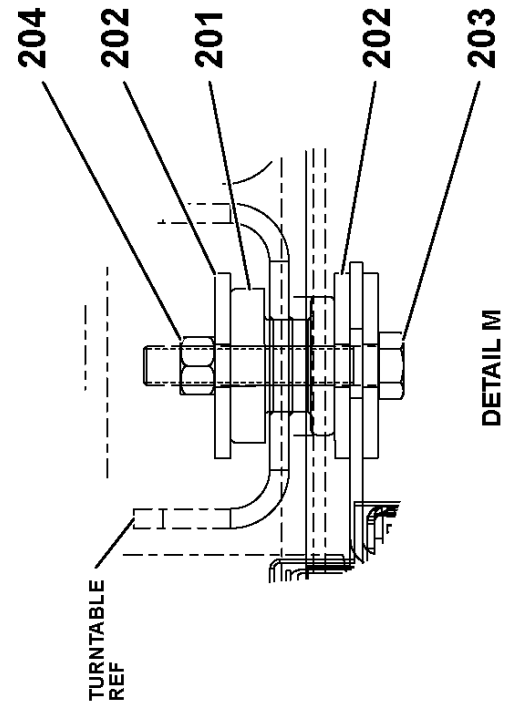
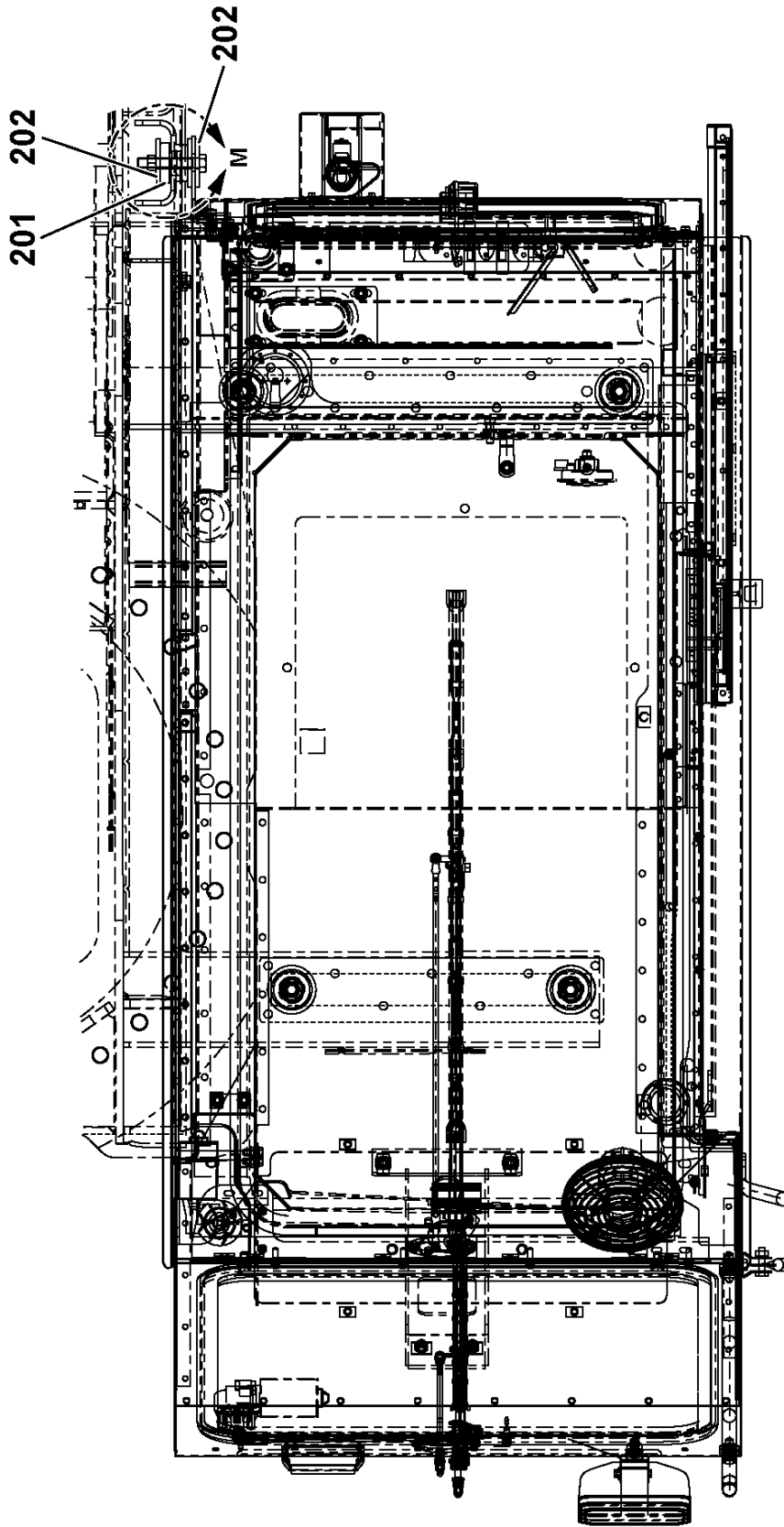
Notes

Manitowoc Cranes

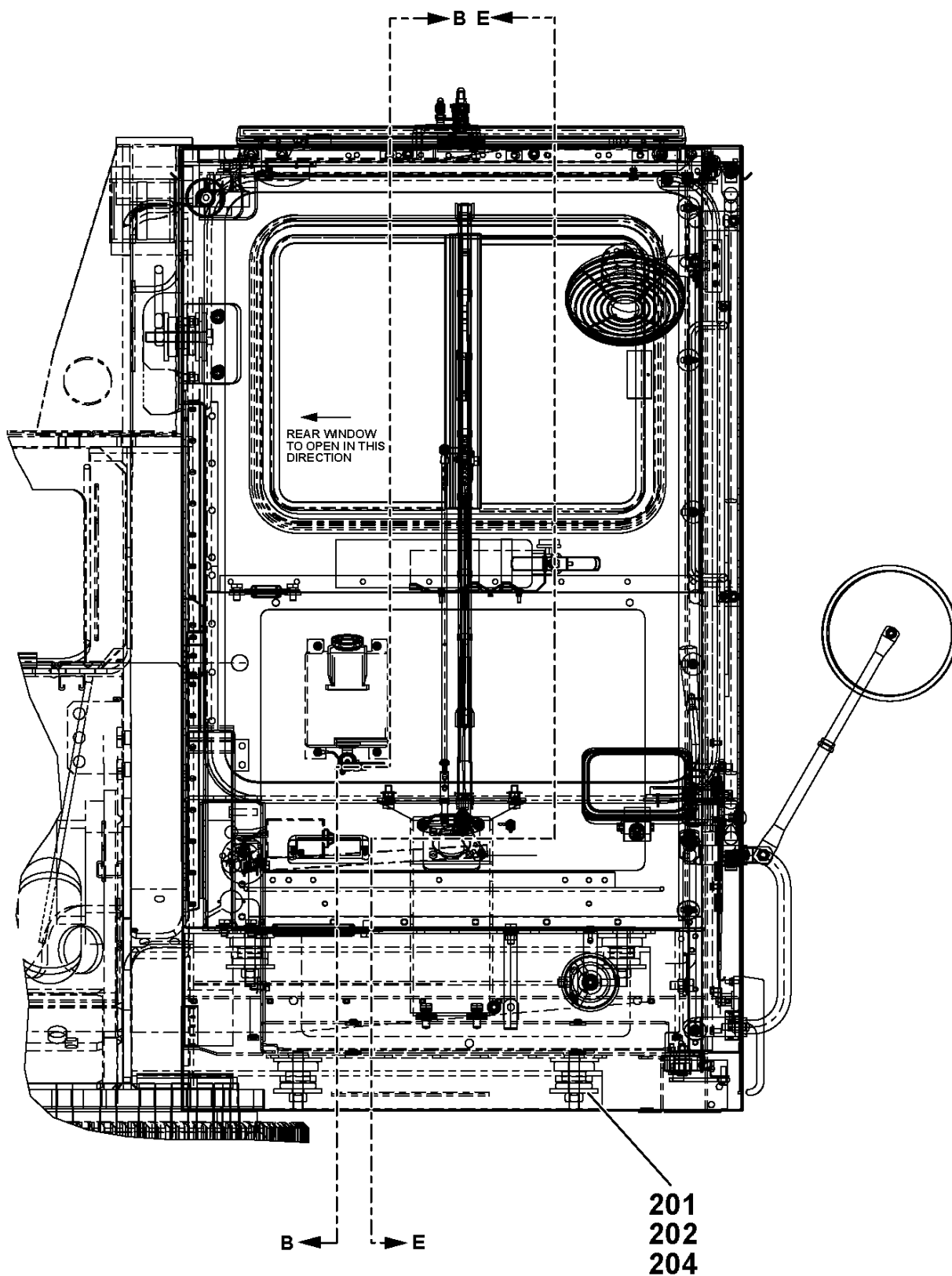


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Manitowoc Cranes



Manitowoc Cranes

Description

CAB INSTALLATION COMPONENTS

Assembly No.

80030194

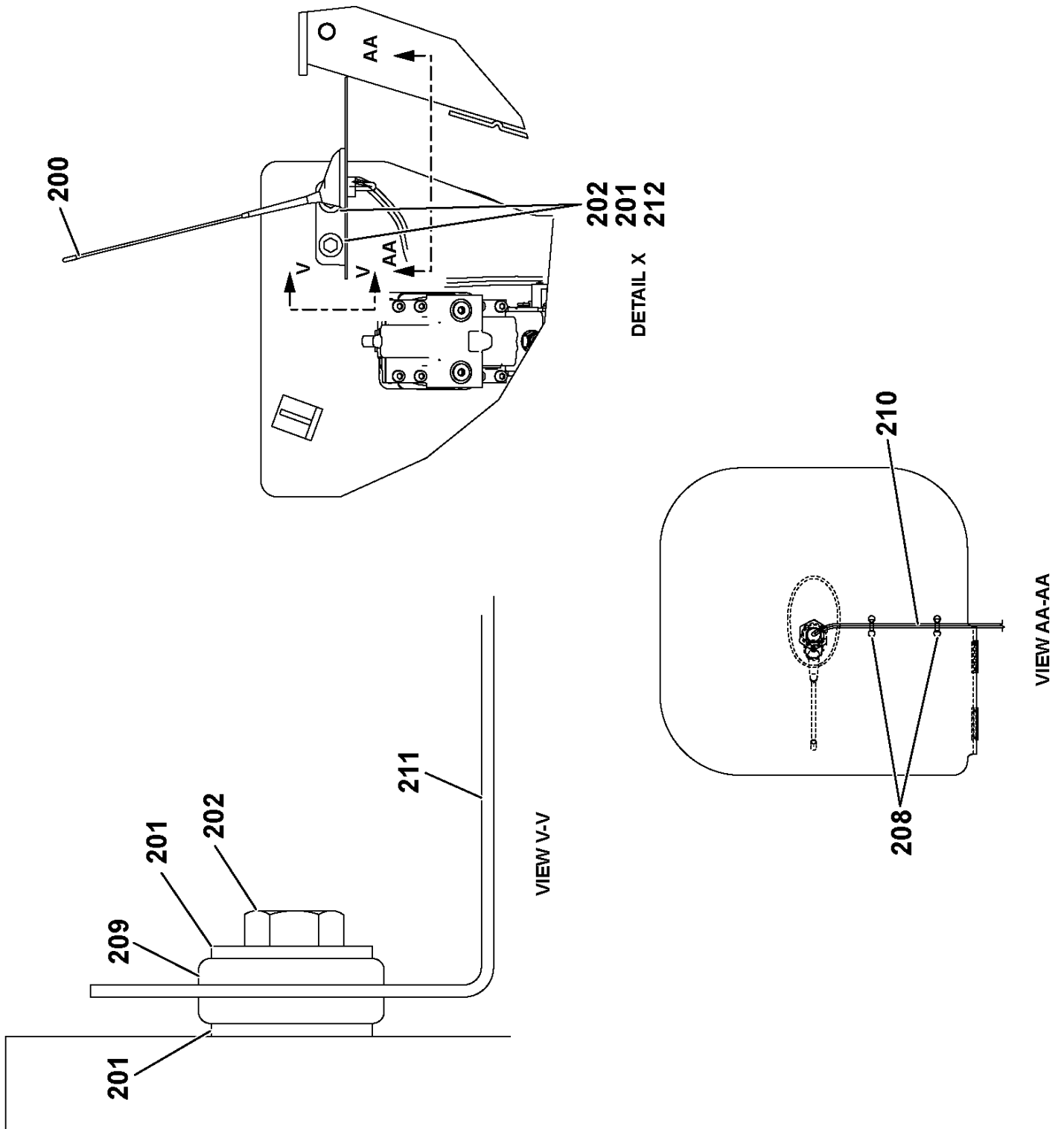
Revision: **A**

Item	FN	Part	Qty	Description
201	#	7638000203	5	MOUNT, SHOCK
202		80023974	12	DOCK WASHER
203		7115203050	1	CAP SCREW, 5/8" - 11 N.C. X 3 3/4" GRADE 5
204		7660201600	5	LOCKNUT, HEX 5/8" - 11 N.C.
205		7950160350	2	WASHER, LOCK 3/8" I.D.
206		7660160001	1	NUT, HEX 3/8" - 16 N.C. GRADE 5
207		7950160050	1	WASHER, LOCK 3/8" I.D.
208		7115161050	1	CAP SCREW, 3/8" - 16 N.C. X 1 1/4" GRADE 5
209		7950160141	1	WASHER, 3/8" PLAIN NARROW

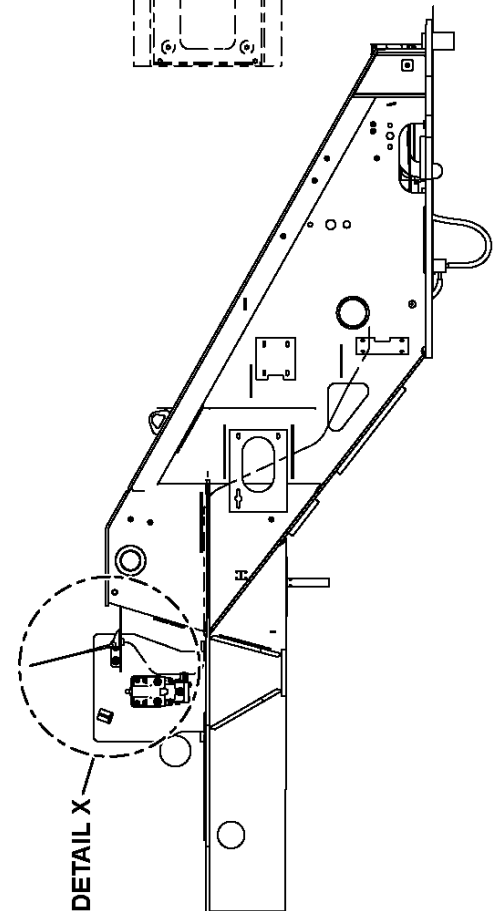
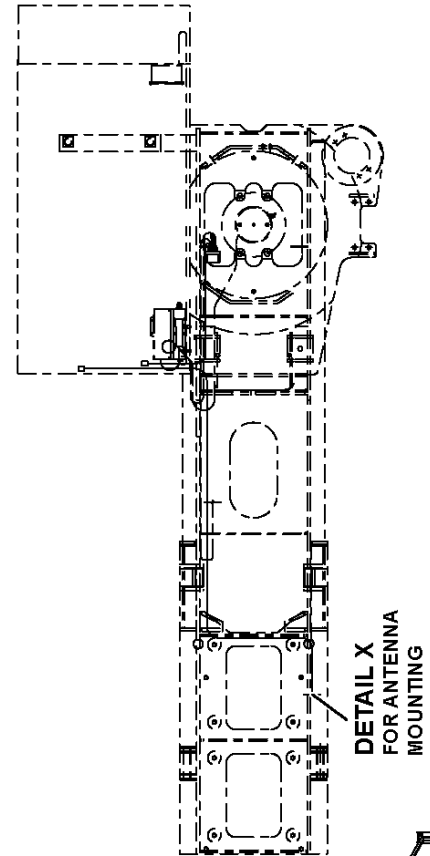
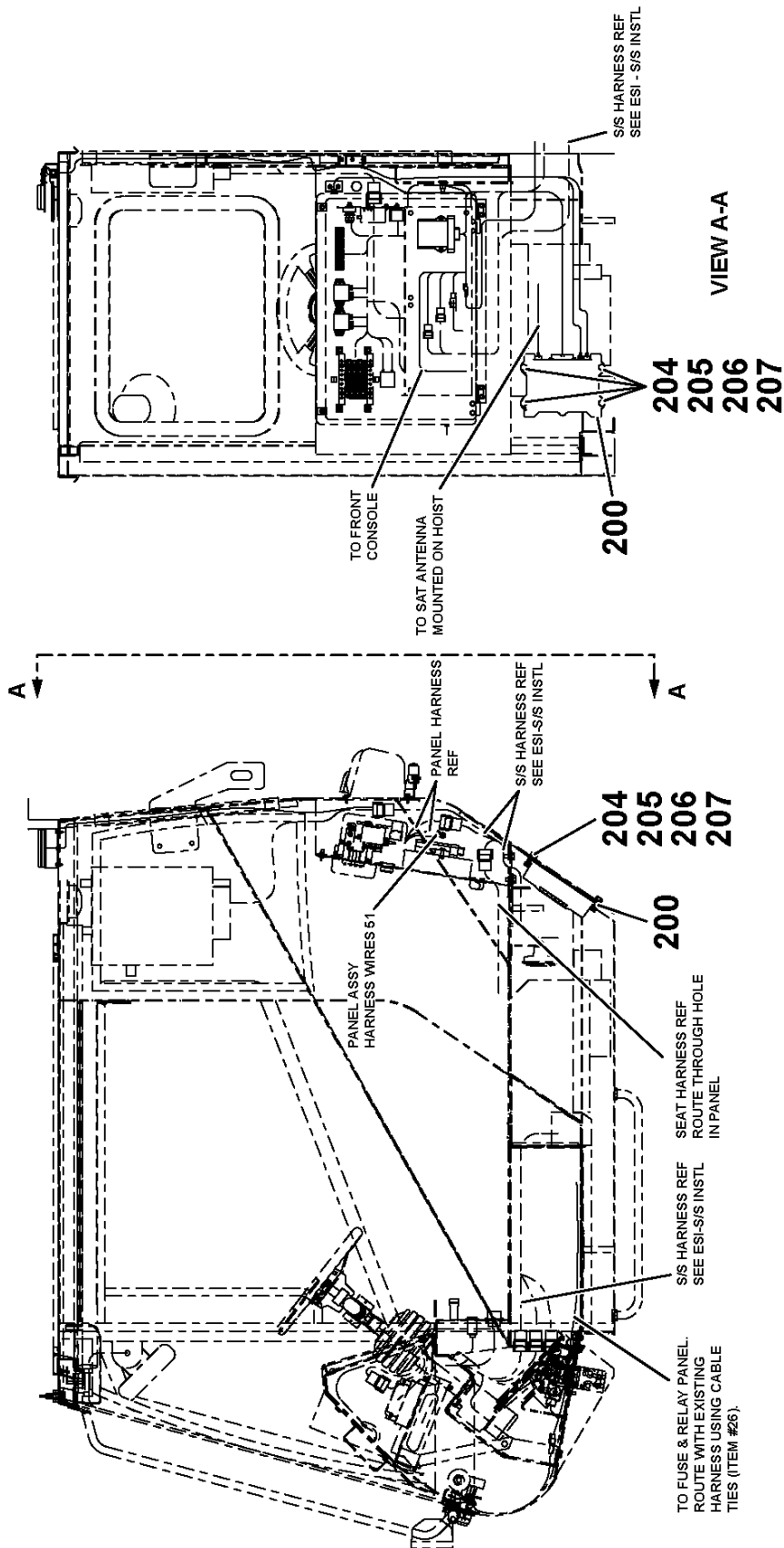
SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Notes



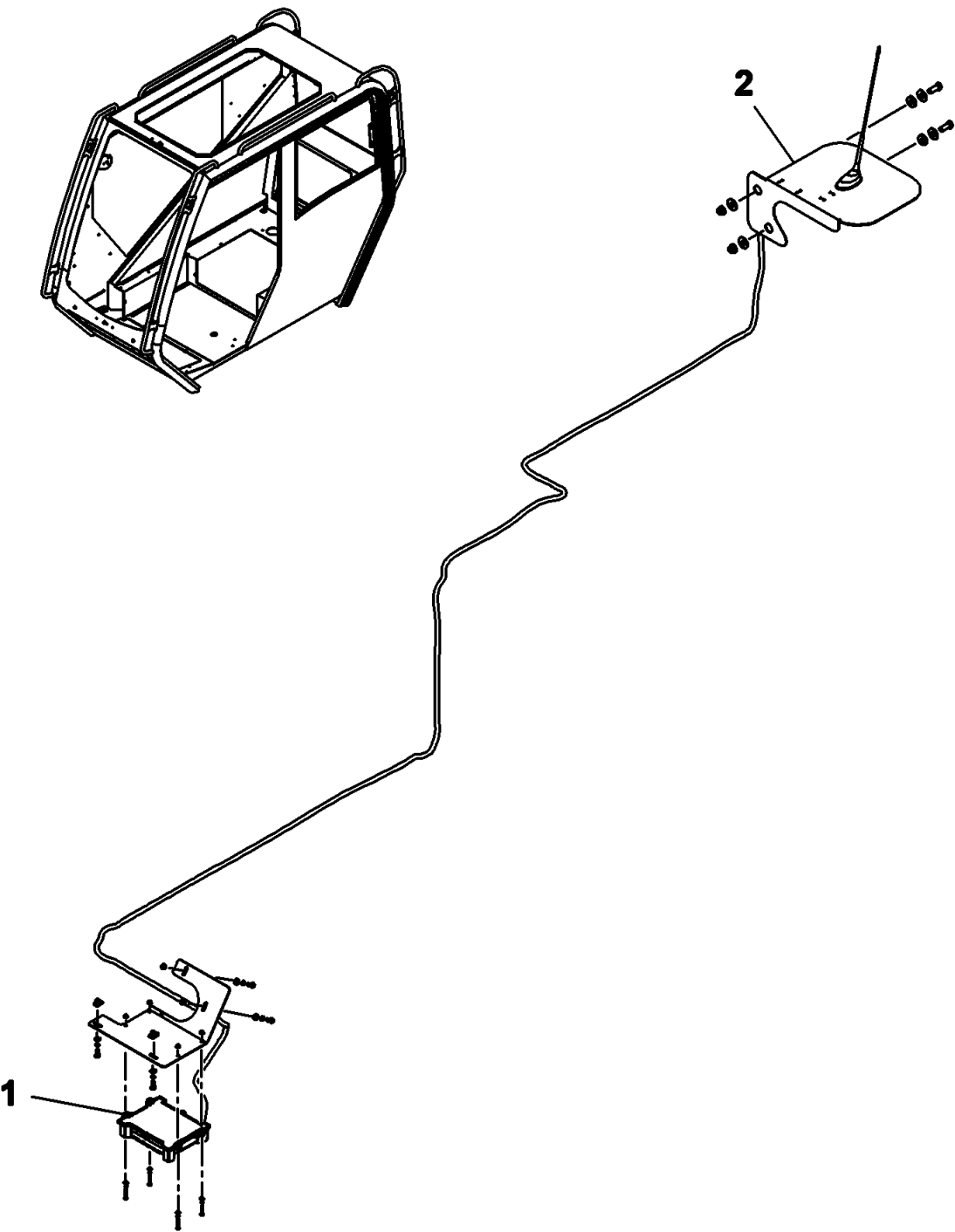
Manitowoc Cranes



Manitowoc Cranes

Description CAB CRANESTAR INSTALLATION				Assembly No. 80016297 Revision: D
Item	FN	Part	Qty	Description
200	+	80018267	1	TCU AND SAT ANTENNA KIT
201		7950180161	4	FLAT WASHER, 1/2" I.D.
202		7115180850	2	CAP SCREW, 1/2"-13 UNC X 1"
204		7111101015	4	SCREW, MACHINE 3/16" - 24 N.C. X 1 1/4" GRADE 1
205		7950100141	4	WASHER, FLAT, #10
206		7950100050	4	WASHER, LOCK #10
207		7660102701	4	LOCKNUT, FLANGE
208		7850000208	50	CABLE TIE, BLACK
209		7506000018	2	GROMMET 1/2" I.D.
210		8594000019	25	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
211		80014331	1	MOUNTING BRACKET
212		7115180850	1	CAP SCREW, 1/2"-13 UNC X 1"

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description				Assembly No.
TCU AND SAT ANTENNA KIT				80018267
				Revision: #
Item	FN	Part	Qty	Description
1		80009833	1	TELEMATIC CONTROL UNIT (TCU)
2		80014746	1	SATALITE ANTENNA

Manitowoc Cranes

Notes

Manitowoc Cranes

Description
CARRIER FRAME COMPLETE

Assembly No.
80025001
Revision: #

Item	FN	Part	Qty	Description
1	+	80024995	1	CARRIER FRAME
2	+	80014901	1	OUTRIGGER BEAM INSTALLATION

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

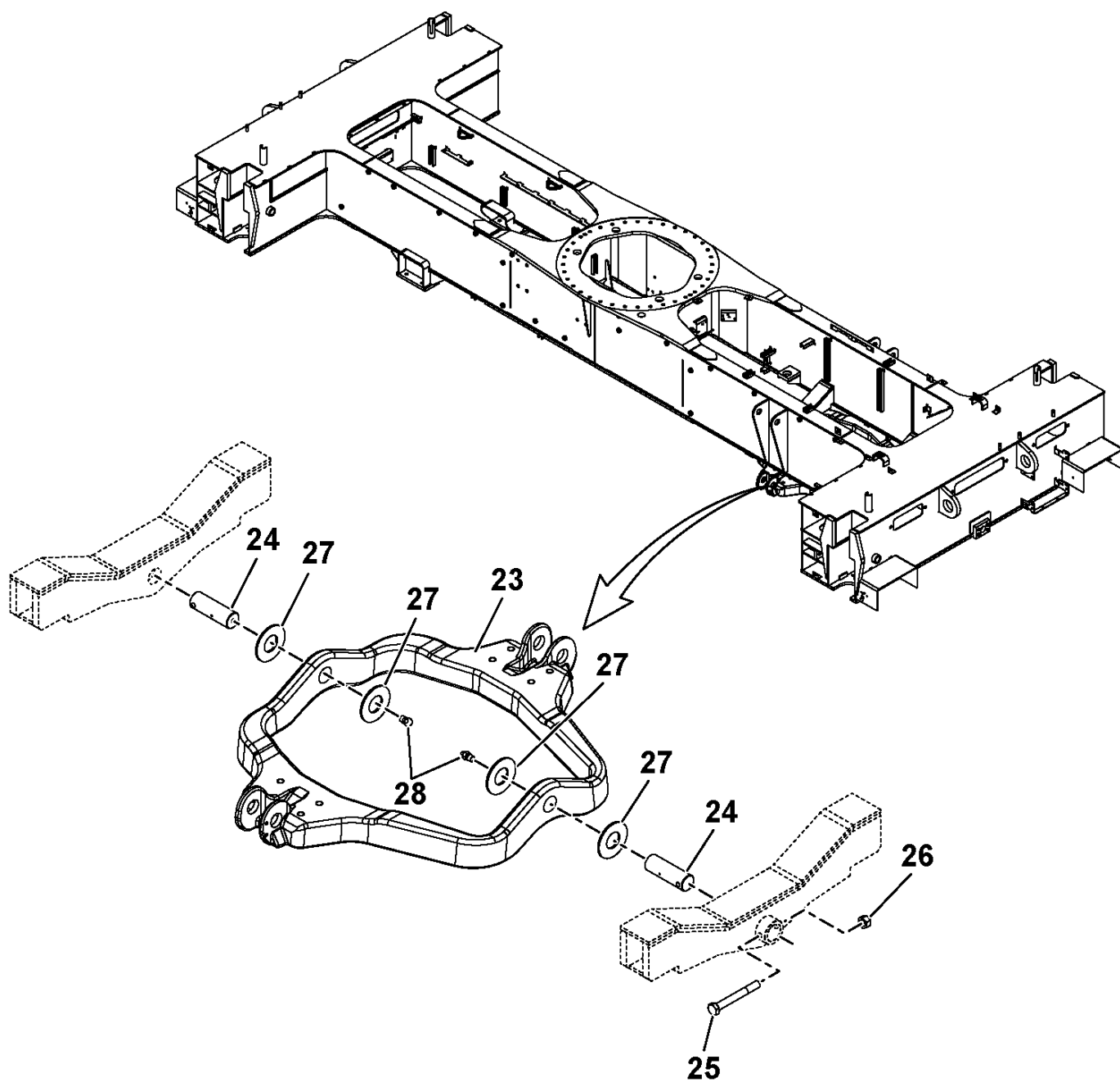
Notes

Manitowoc Cranes

Description				Assembly No.
CARRIER FRAME				80024995
				Revision: #
Item	FN	Part	Qty	Description
1	+	80024993	1	CARRIER FRAME ASSY
2		80013731	1	CARRIER FRAME MODIFIED

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

CARRIER FRAME ASSY

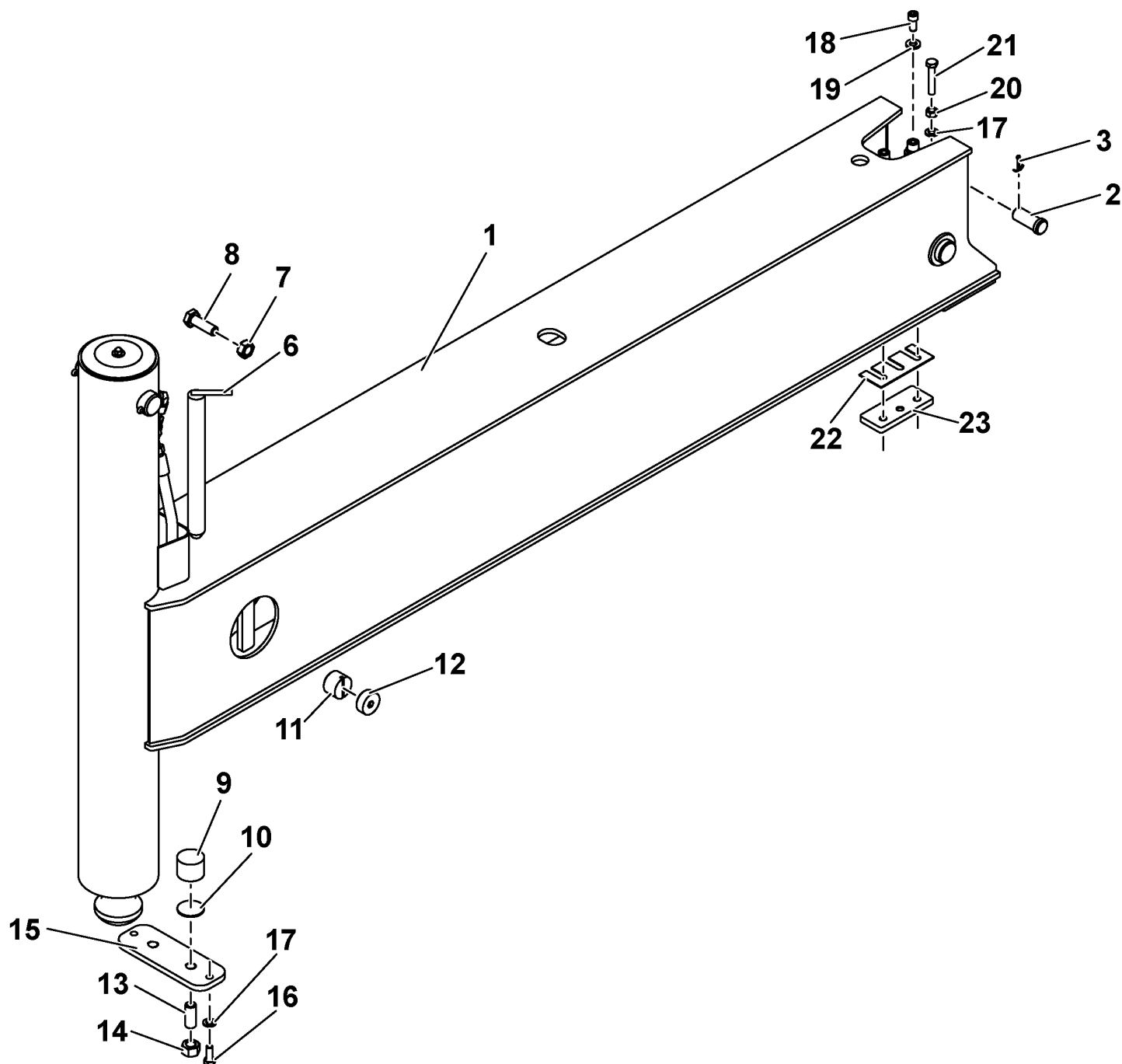
Assembly No.

80024993

Revision: **A**

Item	FN	Part	Qty	Description
23		80019051	1	5TH WHEEL CASTING
24		6810003003	2	SHAFT
25		7126212650	2	CAP SCREW, M12X100 HEX HEAD
26		7661211103	2	NUT, HEX 12MM N.C.
27		7950420161	4	FLATWASHER 2" I.D.
28		7440000400	2	FITTING, 90 DEGREE GREASE

Manitowoc Cranes



Manitowoc Cranes

Description

OUTRIGGER BEAM INSTALLATION

Assembly No.

80014901

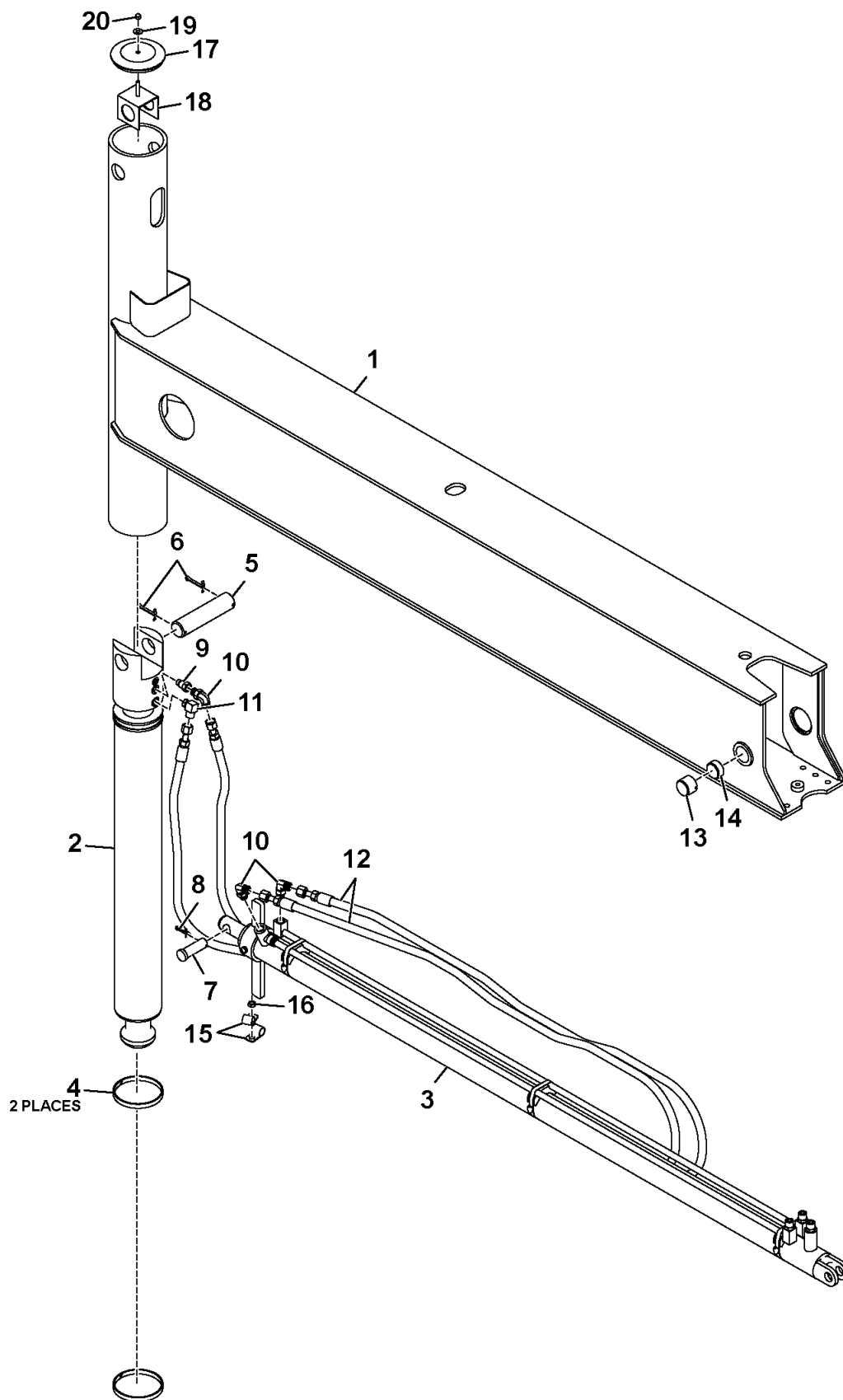
Revision: **E**

Item	FN	Part	Qty	Description
1	+	80014896	4	OURTRIGGER BEAM ASSEMBLY
2		7689100036	4	PIN, CLEVIS
3		7690082410	4	PIN, COTTER 5/32" X 1 1/2"
6		6689001836	4	PIN
7		7661150003	4	NUT, HEX
8		7126151253	4	CAP SCREW, M6 X 25MM
9		6671000236	8	PAD, WEAR
10		4159110165	8	PLATE
11		4150101045	4	WEAR PAD
12		7786000544	4	SCREW, SET (SLOTTED)
13		7126271753	8	CAP SCREW, M20X50 HEX HEAD
14		7661270003	8	NUT, HEX M20
15		4159110308	4	PLATE, ADJUSTING
16		7126211353	8	CAP SCREW, M12 X 30 HEX HEAD
17		7951210014	12	WASHER, FLAT #12
18		7128211254	24	CAP SCREW, SOCKET HEAD M12X25
19		7949000235	24	WASHER, 1/2" I.D. FLAT
20		7661210003	4	NUT, HEX 12MM N.C.
21		7126212053	4	CAP SCREW, HEX HEAD M12 X 65
22		4155110444	8	SPACER
23		4155110443	8	BLOCK, TAPPED

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

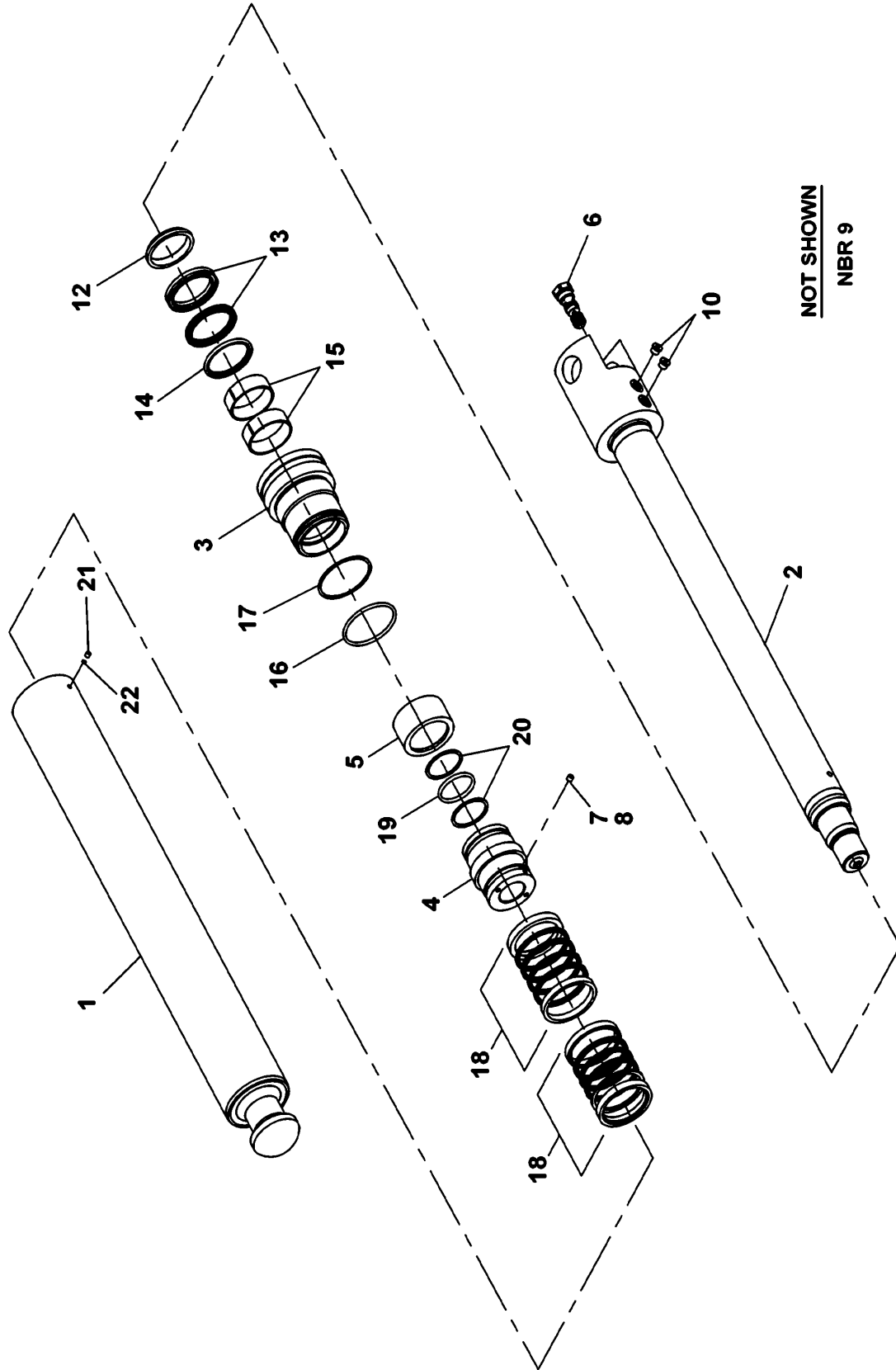


Manitowoc Cranes

Description				Assembly No.
OURTRIGGER BEAM ASSEMBLY				80014896
				Revision: C
Item	FN	Part	Qty	Description
1		80002079	1	OUTRIGGER BEAM
2	+	7372100238	1	CYLINDER ASSEMBLY - 4" OUTRIGGER JACK (COMPLETE ASSEMBLY)
3	+	80014893	1	OUTRIGGER EXTENSION CYLINDER ASSEMBLY
4		7753001553	2	RING, WEAR
5		6689002029	1	PIN
6		7690144010	2	PIN, COTTER
7		7690264804	1	PIN, CLEVIS 1" X 3"
8		7690102410	1	PIN, COTTER 3/16" X 1 1/2"
9		7013000384	1	ADAPTER, REDUCING
10		7447080803	3	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
11		7447080603	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755906002	1	O-RING
12		7554315600	2	HOSE ASSY, 1/2" I.D. X 156"
13		4150101045	1	WEAR PAD
14		7786000544	1	SCREW, SET (SLOTTED)
15		7300000243	2	CLAMP, TUBING 3/4" I.D.
16		7661190003	1	NUT, HEX 10MM
17		7258001691	1	CAP, JACK CYLINDER
18		6184003000	1	BRACKET, CAP
19		7949001186	1	WASHER, BLACK NYLON
20		7660152200	1	NUT, ACORN 5/16" - 18 N.C.

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



NOT SHOWN
NBR 9

Manitowoc Cranes

Description

CYLINDER ASSEMBLY - 4" OUTRIGGER JACK (COMPLETE ASSEMBLY)

Assembly No.

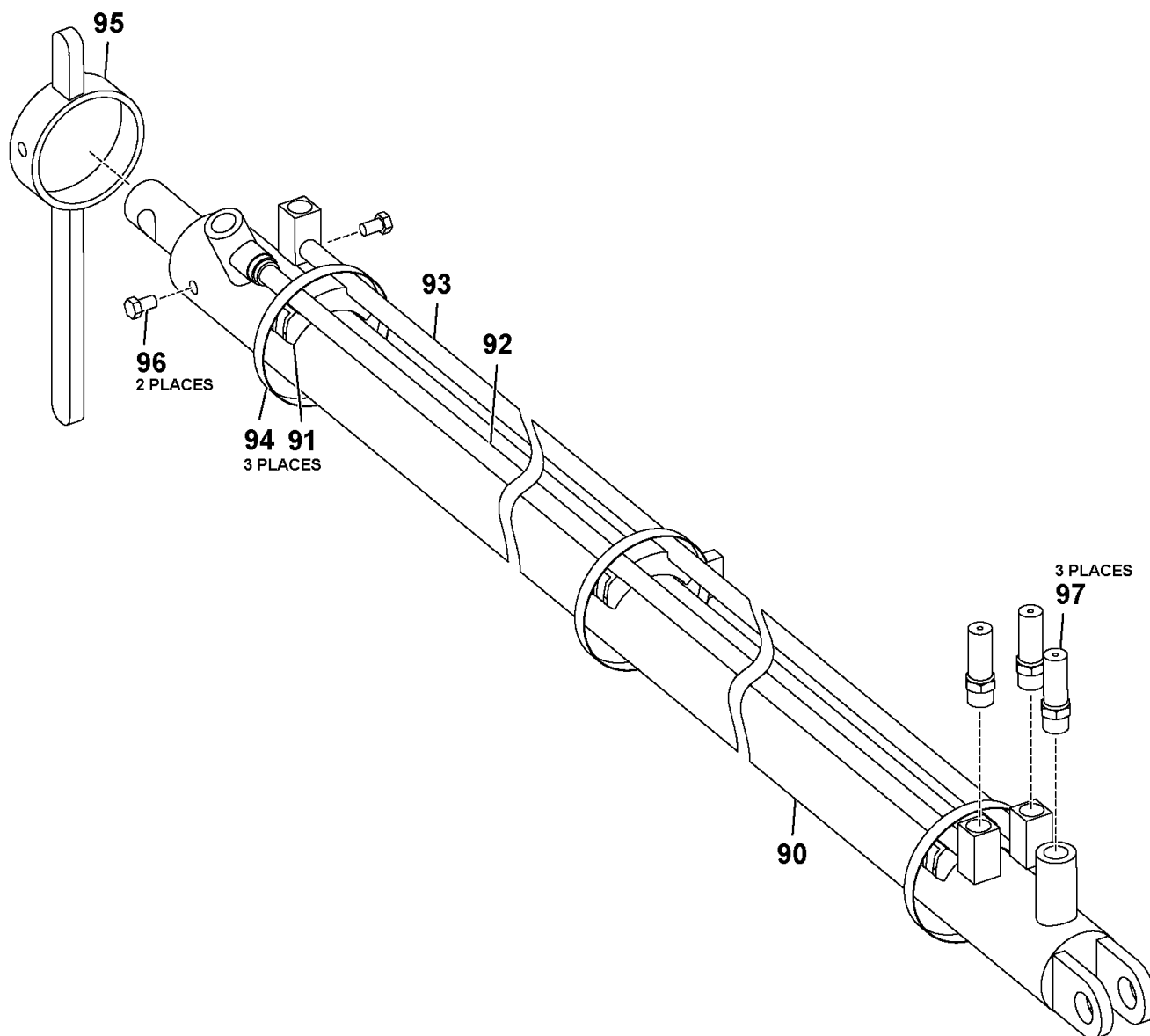
7372100238

Revision:

Item	FN	Part	Qty	Description
1		9372103623	1	BARREL ASSY.
2		9372103624	1	ROD ASSY.
3		9372103625	1	HEAD, CYLINDER
4		9372103626	1	PISTON
5		9372103627	1	SPACER
6		7926100828	1	VALVE ASSEMBLY, 3/8 PILOT OPERATED CHECK INCLUDES THE FOLLOWING PARTS
		9926112933	1	KIT, SEAL
7		9372103595	1	SCREW, SET
8		9372103596	1	INSERT, NYLON
9		7709800001	2	PLUG, SAE #4 USE AS REQUIRED INCLUDES THE FOLLOWING PARTS
		7755904002	1	O-RING
10		7709800005	2	PLUG, SAE #6 USE AS REQUIRED INCLUDES THE FOLLOWING PARTS
		7755906002	1	O-RING
12	*	7794000277	1	RING, WIPER
13	*	7794000638	1	SEAL, DEEP Z ROD
14	*	7794000543	1	SEAL, BUFFER
15	*	7753000540	2	RING, WEAR
16	*	7754000140	1	O-RING, LOW TEMPERATURE
17	*	7755342609	1	RING, BACK-UP
18	*	7794000608	2	SEAL
19	*	7754000160	1	O-RING, LOW TEMPERATURE
20	*	7755332609	2	RING, BACK-UP
21		9372103611	1	SCREW, SET
22		9372103612	1	INSERT, NYLON
30	*	7373000159	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

OUTRIGGER EXTENSION CYLINDER ASSEMBLY

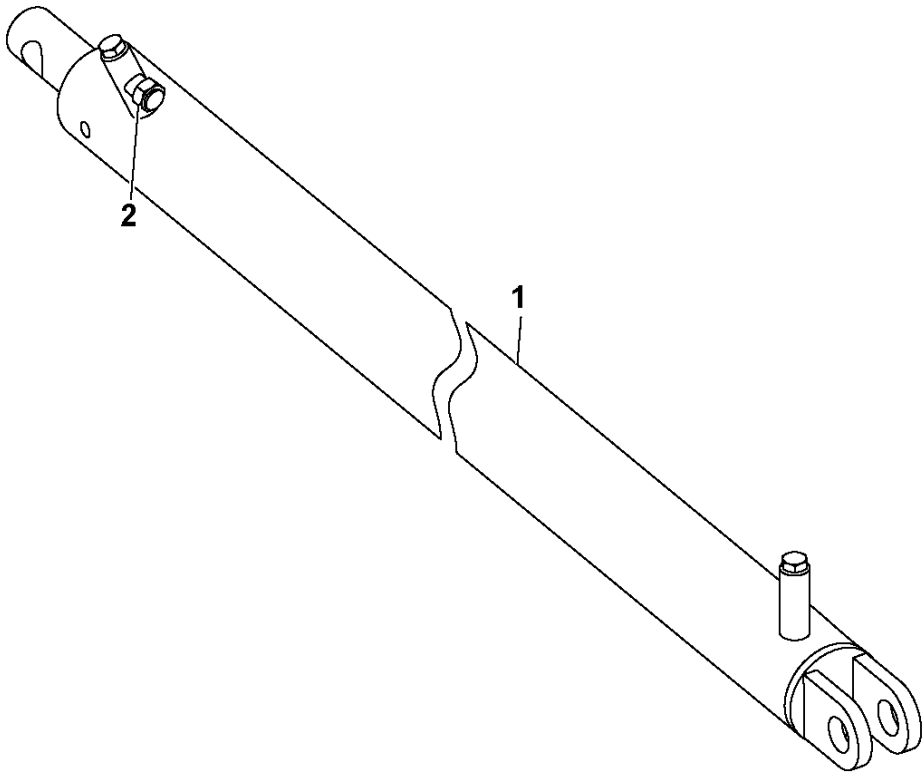
Assembly No.

80014893

Revision: **A**

Item	FN	Part	Qty	Description
90	+	80011617	1	CYLINDER ASSEMBLY MODIFIED
91		7300001082	3	CLAMP, DOUBLE SADDLE
92		7910100671	1	TUBE
93		7910100672	1	TUBE
94		7300000018	3	CLAMP 4 1/2"
95		6608100004	1	LUG
96		7115160550	2	CAP SCREW, 3/8" - 16 N.C. X 5/8" GRADE 5
97		7447080801	3	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

CYLINDER ASSEMBLY MODIFIED

Assembly No.

80011617

Revision: #

Item	FN	Part	Qty	Description
1	+	7372100232	1	CYLINDER ASSEMBLY - 2 1/2" O/R EXTENSION (COMPLETE ASSEMBLY)
2		7755016003	1	O-RING, LOW TEMP #10 ORFS

+ SEE FURTHER BREAKDOWN THIS GROUP

This technical drawing is an exploded view of a mechanical assembly, showing 16 numbered components. The parts are as follows:

- 1**: A main cylindrical body with a flange on the left and a threaded end on the right.
- 2**: A long, thin cylindrical shaft.
- 3**: A threaded nut or cap nut.
- 4**: A threaded cap or plug.
- 5**: A short cylindrical sleeve or bush.
- 6**: A small hexagonal nut.
- 7**: A small O-ring or seal.
- 8**: Three additional O-rings or seals.
- 9**: A small pin or clip.
- 10**: A small O-ring or seal.
- 11**: A small O-ring or seal.
- 12**: A small O-ring or seal.
- 13**: A small O-ring or seal.
- 14**: A small O-ring or seal.
- 15**: A small O-ring or seal.
- 16**: A small hexagonal nut.

The diagram uses dashed lines to indicate the assembly sequence and alignment of the components. The parts are arranged in a way that shows how they fit together to form the complete assembly.

Manitowoc Cranes

Description

CYLINDER ASSEMBLY - 2 1/2" O/R EXTENSION (COMPLETE ASSEMBLY)

Assembly No.

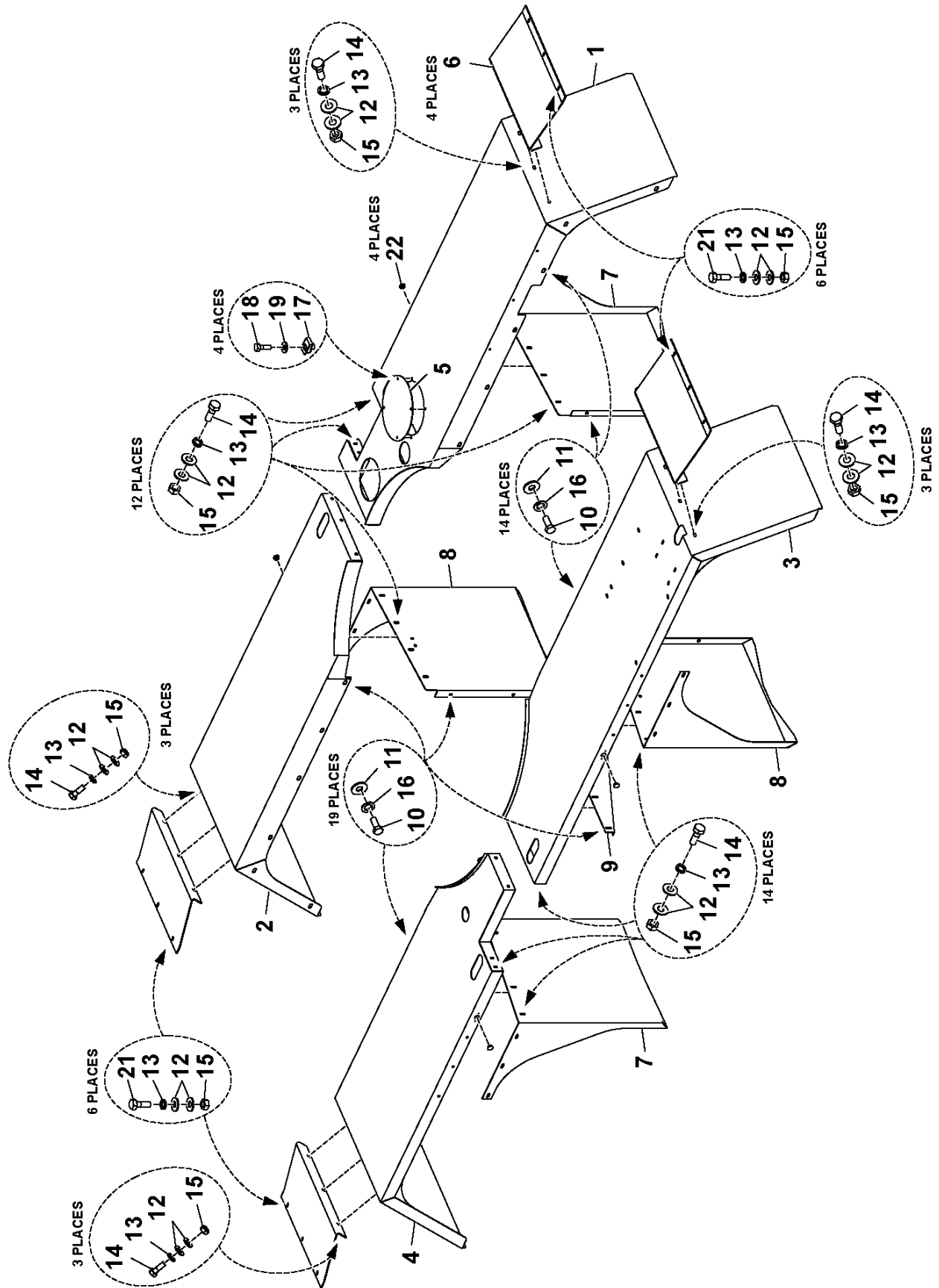
7372100232

Revision:

Item	FN	Part	Qty	Description
1		9372103561	1	BARREL ASSY.
2		9372103562	1	ROD ASSY.
3		9372103546	1	PISTON
4		9372103547	1	GLAND, ROD
5		9372103558	1	SPACER
6		9372103549	1	NUT
7	*	NSS	1	RING, SEAL PISTON
8	*	NSS	2	RING, WEAR
9	*	NSS	1	O-RING
10	*	NSS	1	O-RING
11	*	NSS	1	RING, BACK-UP
12	*	NSS	1	RING, SEAL ROD
13	*	NSS	1	RING, WIPER
14	*	NSS	2	RING, WEAR
16		9372103550	1	CAP
		7755910002	1	INCLUDES THE FOLLOWING PARTS
20	*	9372103551	1	O-RING
			1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



ITEM NOT SHOWN NBR. 20

Manitowoc Cranes

Description

FENDER AND DECK INSTALLATION HOIST ACCESS

Assembly No.

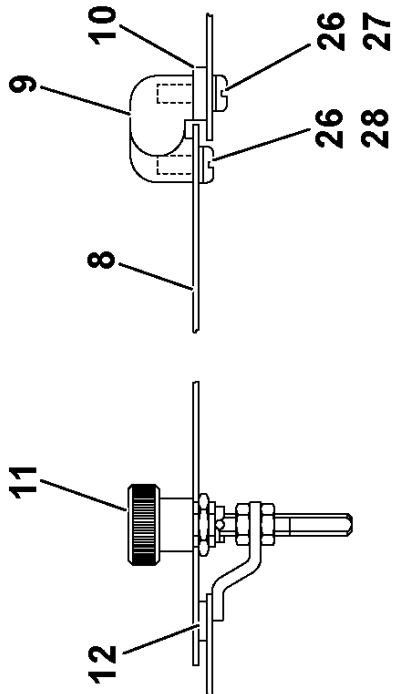
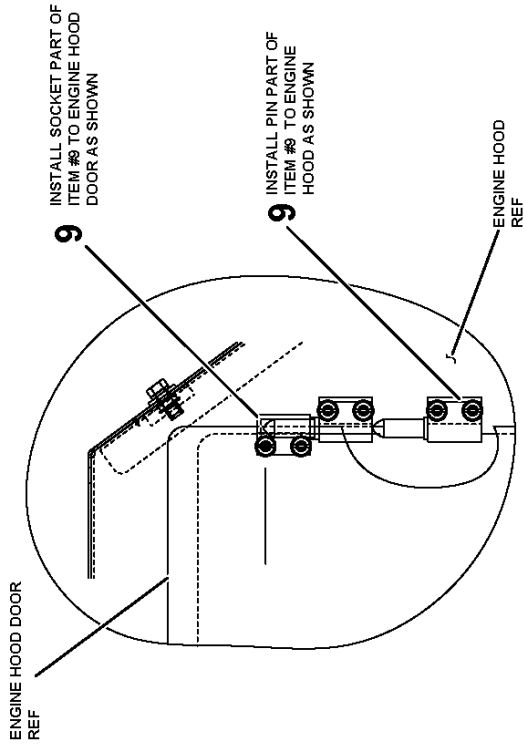
80010008

Revision: #

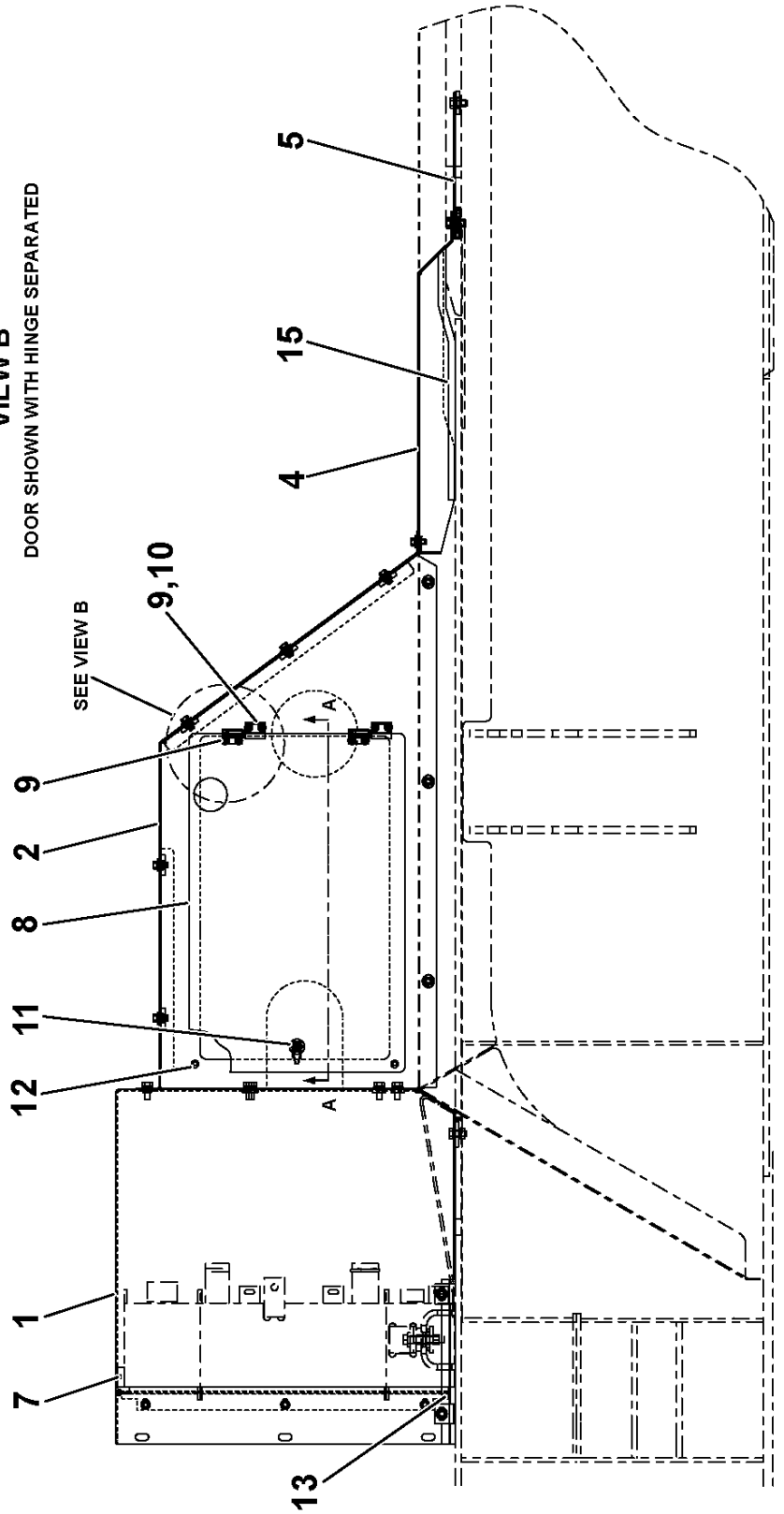
Item	FN	Part	Qty	Description
1		2159110174	1	FENDER, RIGHT HAND REAR INCLUDES THE FOLLOWING PARTS
		7662170100	3	WELD NUT, M8X1.25
2		2159110176	1	FENDER, RIGHT HAND FRONT INCLUDES THE FOLLOWING PARTS
		7662170100	3	WELD NUT, M8X1.25
3		80010000	1	REAR FENDER - LEFT HAND
4		2159110175	1	FRONT FENDER - LEFT HAND
5		4159110256	1	COVER, ACCESS
6		4159110267	4	STEP, TAPERED
7		4159110268	2	GUARD, MUD
8		4159110269	2	GUARD, MUD
9		4159110271	1	SUPPORT, FENDER
10		7126211353	34	CAP SCREW, M12 X 30 HEX HEAD
11		7950180161	34	FLAT WASHER, 1/2" I.D.
12		7950160161	114	WASHER, FLAT WIDE 3/8
13		7951190210	72	LOCK WASHER, 10MM
14		7126191350	60	CAP SCREW, M10X30 HEX HEAD
15		7661190003	66	NUT, HEX 10MM
16		7951210210	34	LOCK WASHER, 12MM I.D.
17		7659190020	4	NUT, RETAINING 8 X 1.25
18		7126171253	4	CAP SCREW, M8X25 HEX HEAD
19		7951170014	4	WASHER, FLAT #8
20		8496980002	7	MOULDING (QUANTITY IN FEET)
21		7126191450	12	CAP SCREW, M10 X 35MM HEX HEAD
22		7242000021	4	PLUG, 1" BUTTON

Manitowoc Cranes

Notes

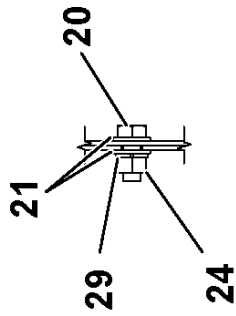


VIEW B
DOOR SHOWN WITH HINGE SEPARATED

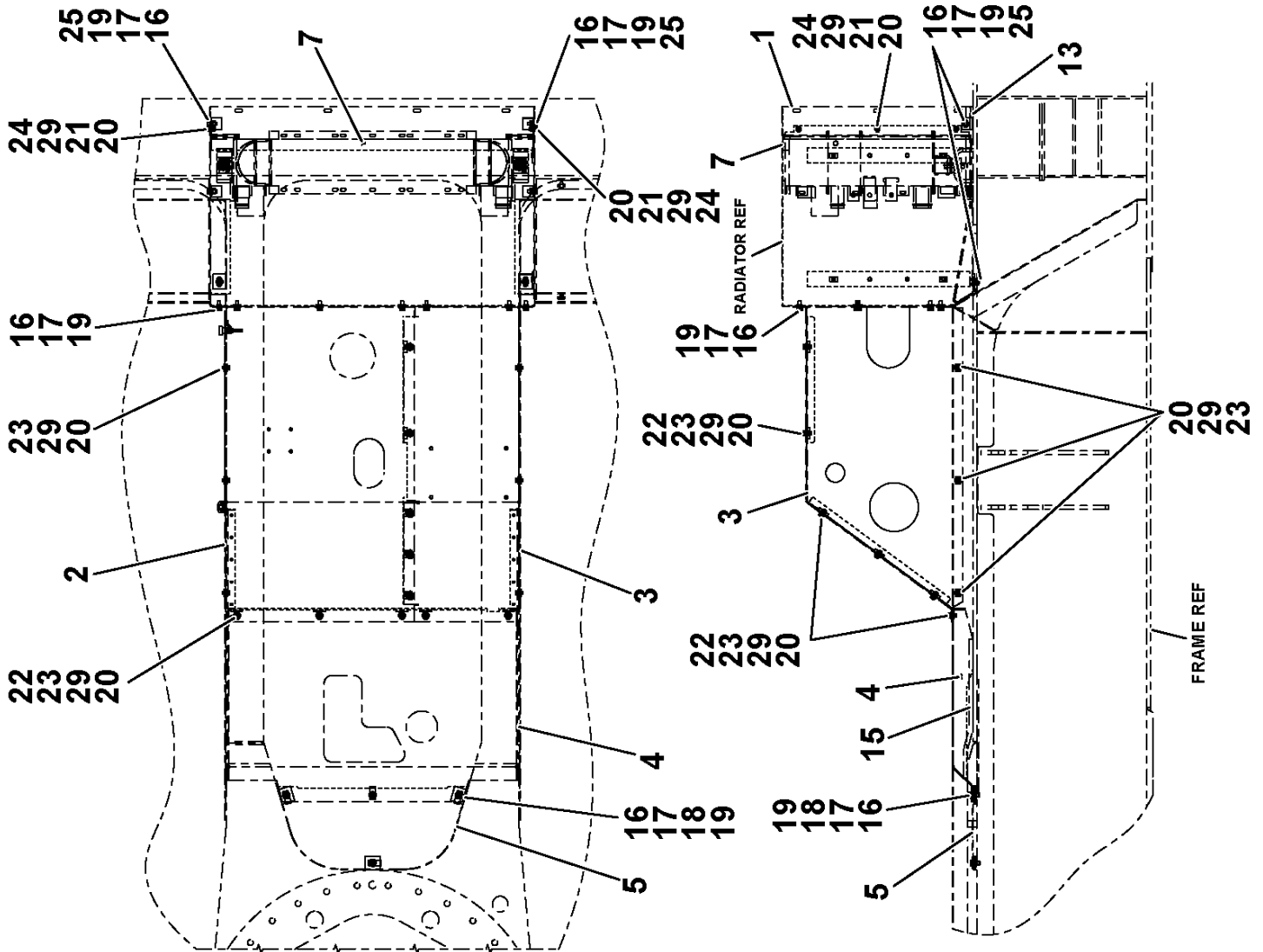
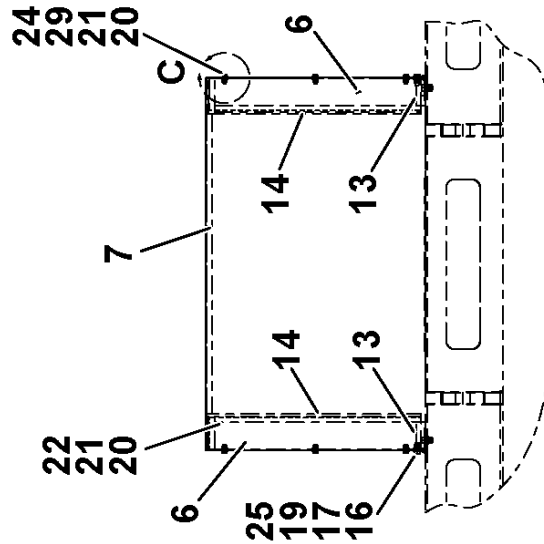


Manitowoc Cranes

NOTE: ADJUST ITEMS #6 & #7 SO THAT BULB
MOULDING SEALS AGAINST RADIATOR



DETAIL C
TYP-6 PLACES



Manitowoc Cranes

Description				Assembly No.
HOOD INSTALLATION - ENGINE				2159810166
				Revision: A
Item	FN	Part	Qty	Description
1		2159810140	1	HOOD SECTION, REAR
		7662190100	13	INCLUDES THE FOLLOWING PARTS WELD NUT, M10X1.5
2		4159110294	1	COVER, RIGHT SIDE HOOD
3		4159110295	1	COVER, LEFT SIDE HOOD
4		4159110292	1	COVER, TRANSMISSION ACCESS
5		4159110282	1	COVER, TRANSMISSION ACCESS FRONT
6		4159810070	2	BAFFLE
7		8637054001	1	MOULDING (QUANTITY IN FEET)
8		4159110291	1	PANEL, DOOR
9		7519000198	2	HINGE, LEFT HAND NYLON LIFT OFF
10		7671100005	2	PAD
11		7585000184	1	LATCH, ARROWHEAD
12		7195000032	2	BUMPER, RUBBER
13		8246964300	5	MOULDING (QUANTITY IN FEET)
14		8496900046	5	MOULDING
15		8496980002	4	MOULDING (QUANTITY IN FEET)
16		7126191250	19	CAP SCREW, M10 X 25MM HEX HEAD
17		7950160161	23	WASHER, FLAT WIDE 3/8
18		7659190024	4	RETAINING NUT, M10 X 1.50
19		7951190210	19	LOCK WASHER, 10MM
20		7126171150	16	CAP SCREW, M8 X 20MM HEX HEAD
21		7951170014	12	WASHER, FLAT #8
22		7659190020	10	NUT, RETAINING 8 X 1.25
23		7950150161	16	WASHER, 5/16" FLAT PLAIN WIDE
24		7661170003	6	NUT
25		7661190003	6	NUT, HEX 10MM
26		7950140050	8	WASHER, LOCK 1/4"
27		7111140410	4	SCREW, MACHINE 1/4" - 20 N.C. X 1/2" GRADE 1
28		7111140610	4	SCREW, MACHINE 1/4" - 20 N.C. X 3/4" GRADE 1

Manitowoc Cranes

Description

HOOD INSTALLATION - ENGINE

Assembly No.

2159810166

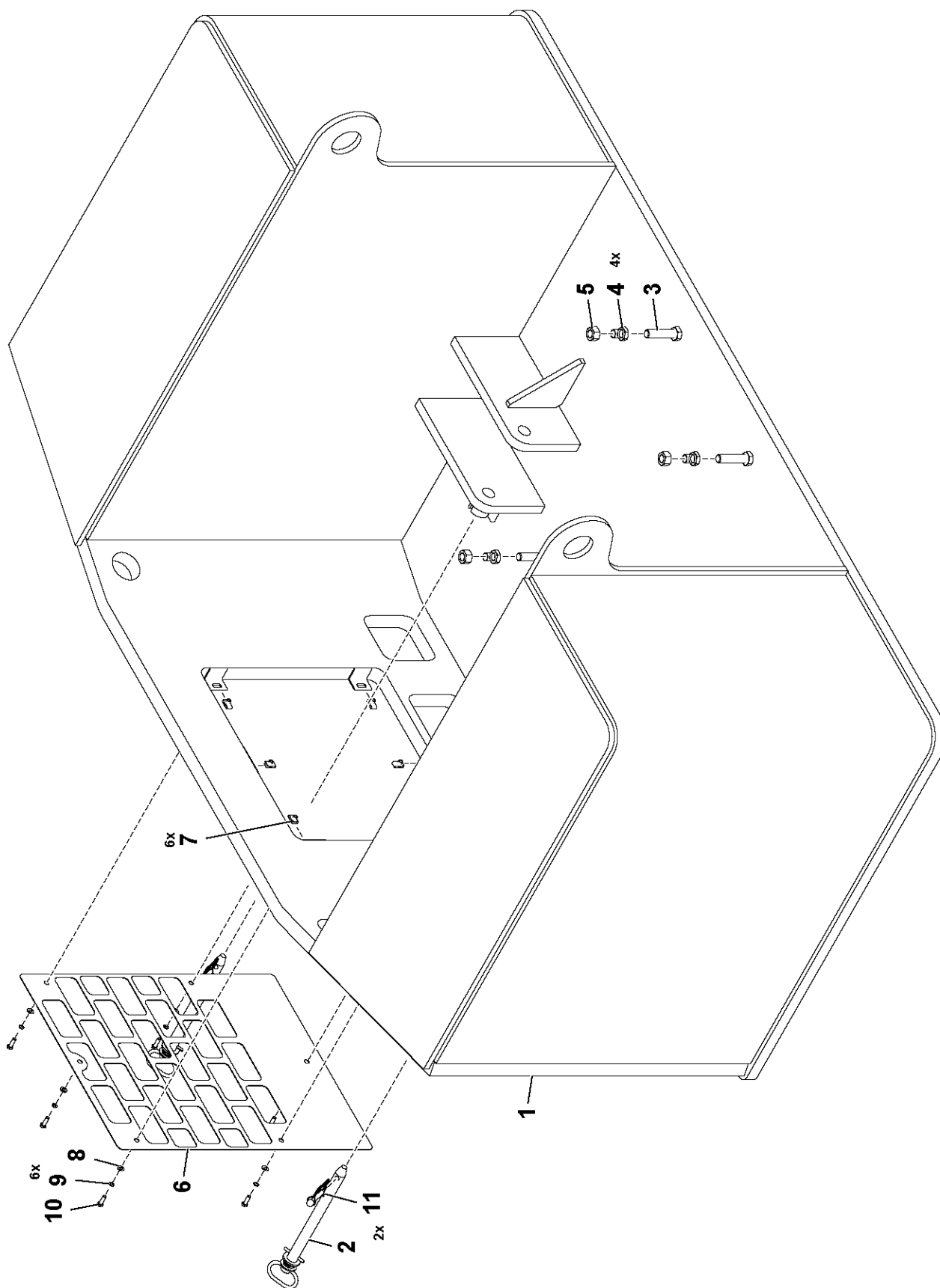
Revision: **A**

Item	FN	Part	Qty	Description
29		7951170210	22	WASHER, LOCK 8MM

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

COUNTERWEIGHT INSTALLATION

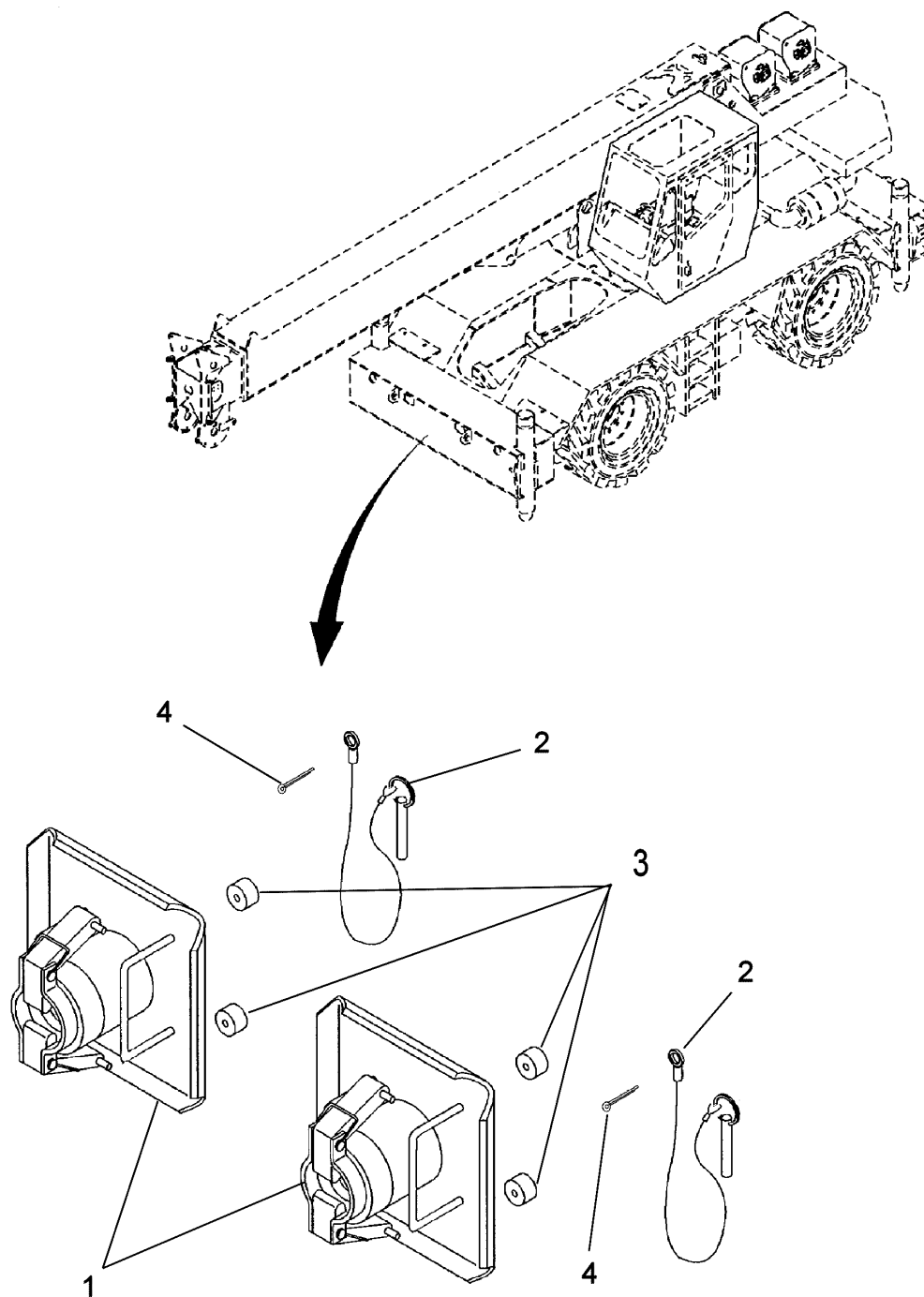
Assembly No.

2159210211

Revision: **A**

Item	FN	Part	Qty	Description
1		2159210212	1	COUNTERWEIGHT
2		80017252	2	PIN ASSY INCLUDES THE FOLLOWING PARTS
		80017250	1	PIN
		7690143644	1	PIN, ROLL
		7949000360	1	WASHER, 1" I.D.
		7834000786	1	SPRING
3		7126272353	4	CAP SCREW, M20 X 80MM HEX HEAD
4		7661270003	4	NUT, HEX M20
5		7661270103	4	NUT
6		4159210191	1	GRILL
7		7659190020	6	NUT, RETAINING 8 X 1.25
8		7951170014	6	WASHER, FLAT #8
9		7951170210	6	WASHER, LOCK 8MM
10		7126171253	6	CAP SCREW, M8X25 HEX HEAD
11		7689001756	2	PIN

Manitowoc Cranes



Manitowoc Cranes

Description

FLOAT INSTALLATION - OUTRIGGER

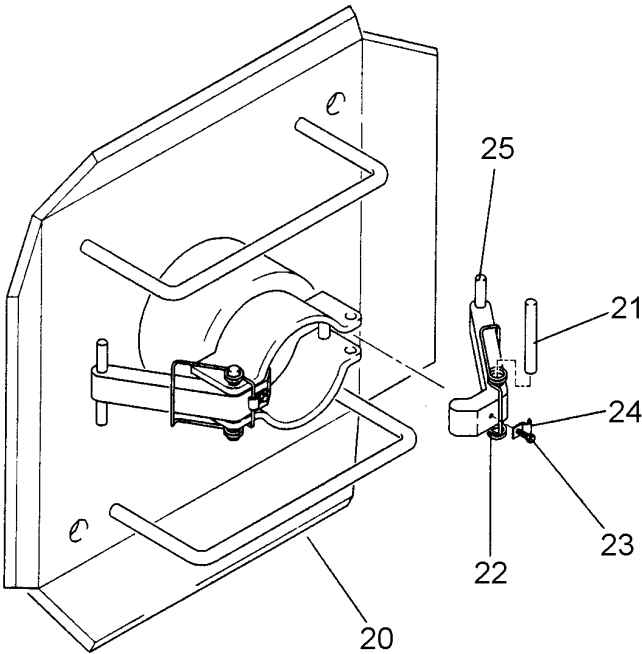
Assembly No.

2159110157

Revision: #

Item	FN	Part	Qty	Description
1	+	6458100000	4	FLOAT ASSEMBLY - OUTRIGGER (COMPLETE ASSEMBLY)
2		7689100034	8	PIN, QUICK WITH (LANYARD)
3		7195000037	8	BUMPER, RUBBER
4		7690082010	8	PIN, COTTER

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

FLOAT ASSEMBLY - OUTRIGGER (COMPLETE ASSEMBLY)

Assembly No.

6458100000

Revision: **B**

Item	FN	Part	Qty	Description
20		6458100001	1	FLOAT, OUTRIGGER
21		7690164845	2	PIN, ROLL 3/8" X 3"
22		7834000120	2	SPRING
23		7790100653	2	SCREW, SELF-TAPPING
24		7300000056	2	CLAMP
25		6593000137	2	LEVER

Manitowoc Cranes

Notes

Manitowoc Cranes

Description

**LIGHTS INSTALLATION - EXTERIOR (DOMESTIC)
(FOR REFERENCE ONLY)**

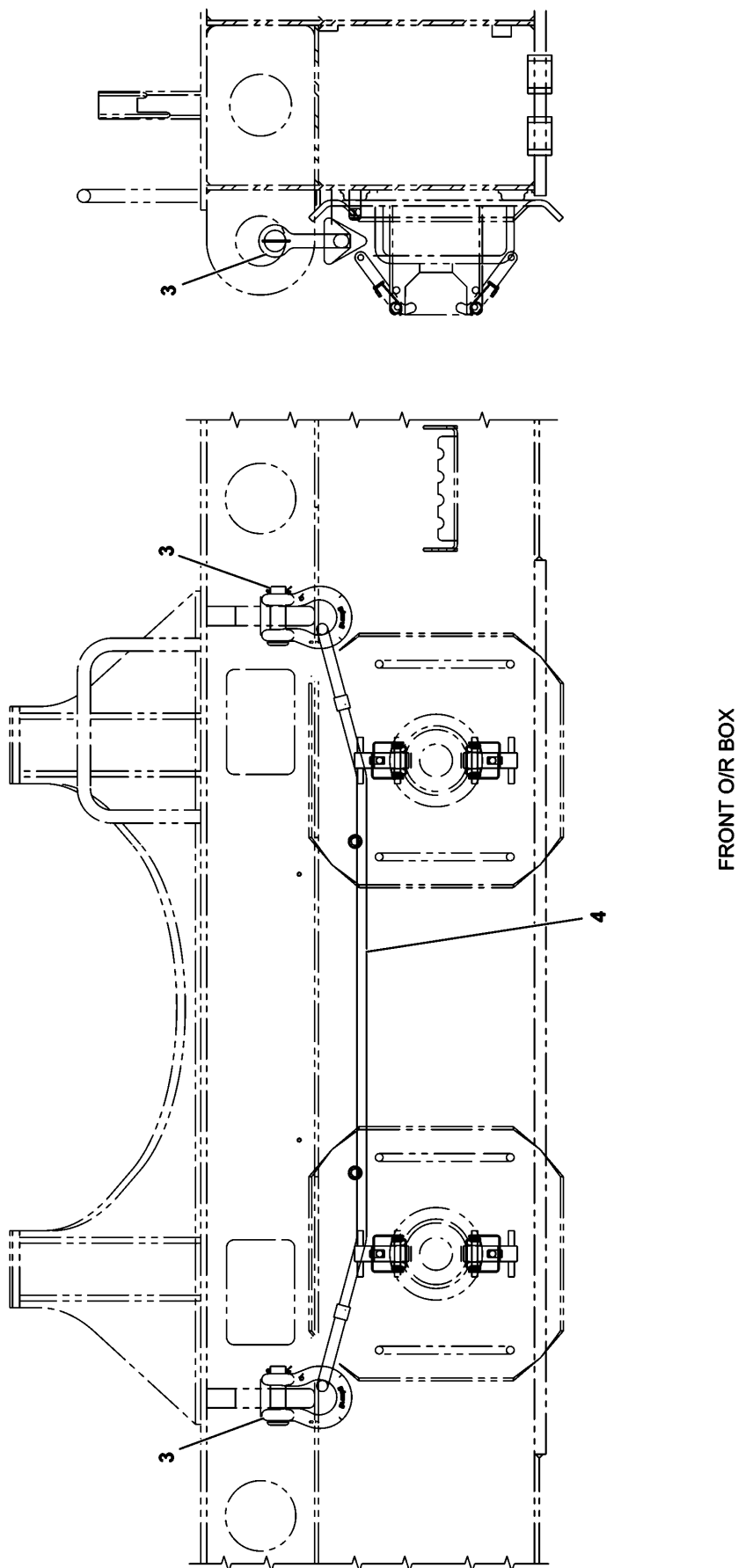
Assembly No.

2159110262

Revision: #

Item	FN	Part	Qty	Description
300		7581001361	4	LIGHT ASSY, WORK INCLUDES THE FOLLOWING PARTS
		9581100396	1	BULB, HALOGEN
301		7581100048	2	LIGHT, STOP/TURN/TAIL LED RED INCLUDES THE FOLLOWING PARTS
		9581100461	1	GROMMET, RUBBER
		7364100051	1	PLUG
302		7581100050	2	LIGHT, YELLOW REAR TURN (WITH GROMMET) INCLUDES THE FOLLOWING PARTS
		9581100461	1	GROMMET, RUBBER
		7364100051	1	PLUG
303		4159110314	4	BRACKET, HEAD/TAIL LIGHT
304		7126171253	8	CAP SCREW, M8X25 HEX HEAD
305		7951170014	8	WASHER, FLAT #8
306		7951170210	8	WASHER, LOCK 8MM
307		7661170003	8	NUT

Manitowoc Cranes



Manitowoc Cranes

Description

TIE DOWN INSTALLATION - HOOK BLOCK

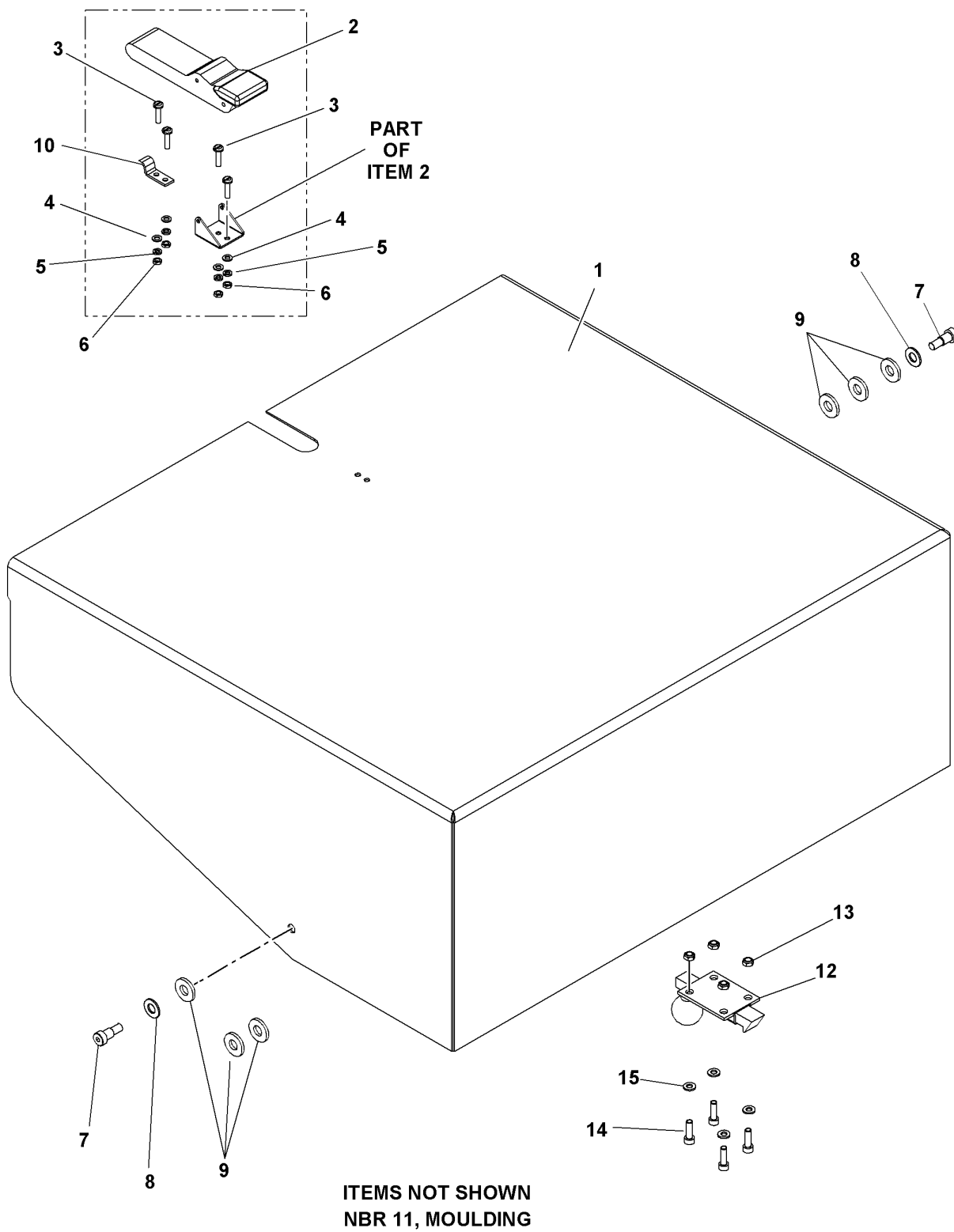
Assembly No.

2159110098

Revision: **B**

Item	FN	Part	Qty	Description
3		7806100006	2	SHACKLE, 7/8" GALVANIZED
		9086101063	1	INCLUDES THE FOLLOWING PARTS
4		7780100877	1	PIN & COTTER
				SLING, 5FT X 5/8 WIRE ROPE

Manitowoc Cranes



Manitowoc Cranes

Description

COVER INSTALLATION-BATTERY BOX

Assembly No.

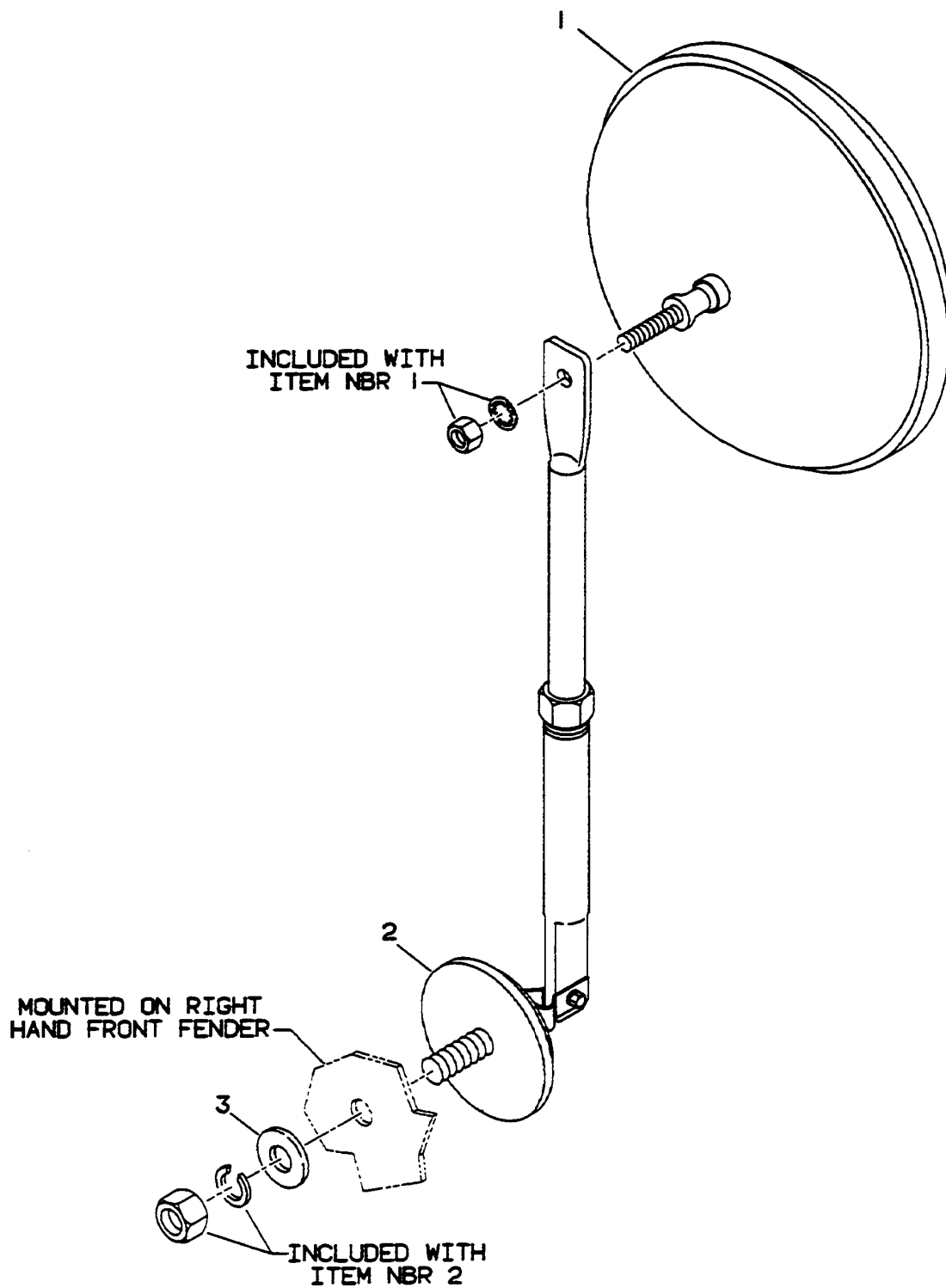
2159810191

Revision: **B**

Item	FN	Part	Qty	Description
1		4159810085	1	COVER, BATTERY BOX
2		7585000812	1	DRAW LATCH
		9585100055	1	INCLUDES THE FOLLOWING PARTS
			1	KEEPER
3		7121131101	4	MACHINE SCREW, M5X20 SLOTTED
4		7951130014	4	WASHER, FLAT M5 I.D.
5		7951130210	4	LOCKWASHER, 5MM I.D.
6		7661130103	4	NUT
7		7099100020	2	SCREW, SOCKET HD 5/16 X 1/2" LG
8		7950160141	2	WASHER, 3/8" PLAIN NARROW
9		7949000561	6	WASHER, .450 I.D. NYLON FLAT
10		6184100054	1	BRACKET, LATCH
11		8496980002	7	MOULDING
				(QUANTITY IN FEET)
12	#	6585100018	1	LATCH ASSY
13		7661151103	4	NUT
				6MM
14		80014955	4	SHCS M6X20
15		7951150014	4	WASHER, 6MM I.D.

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

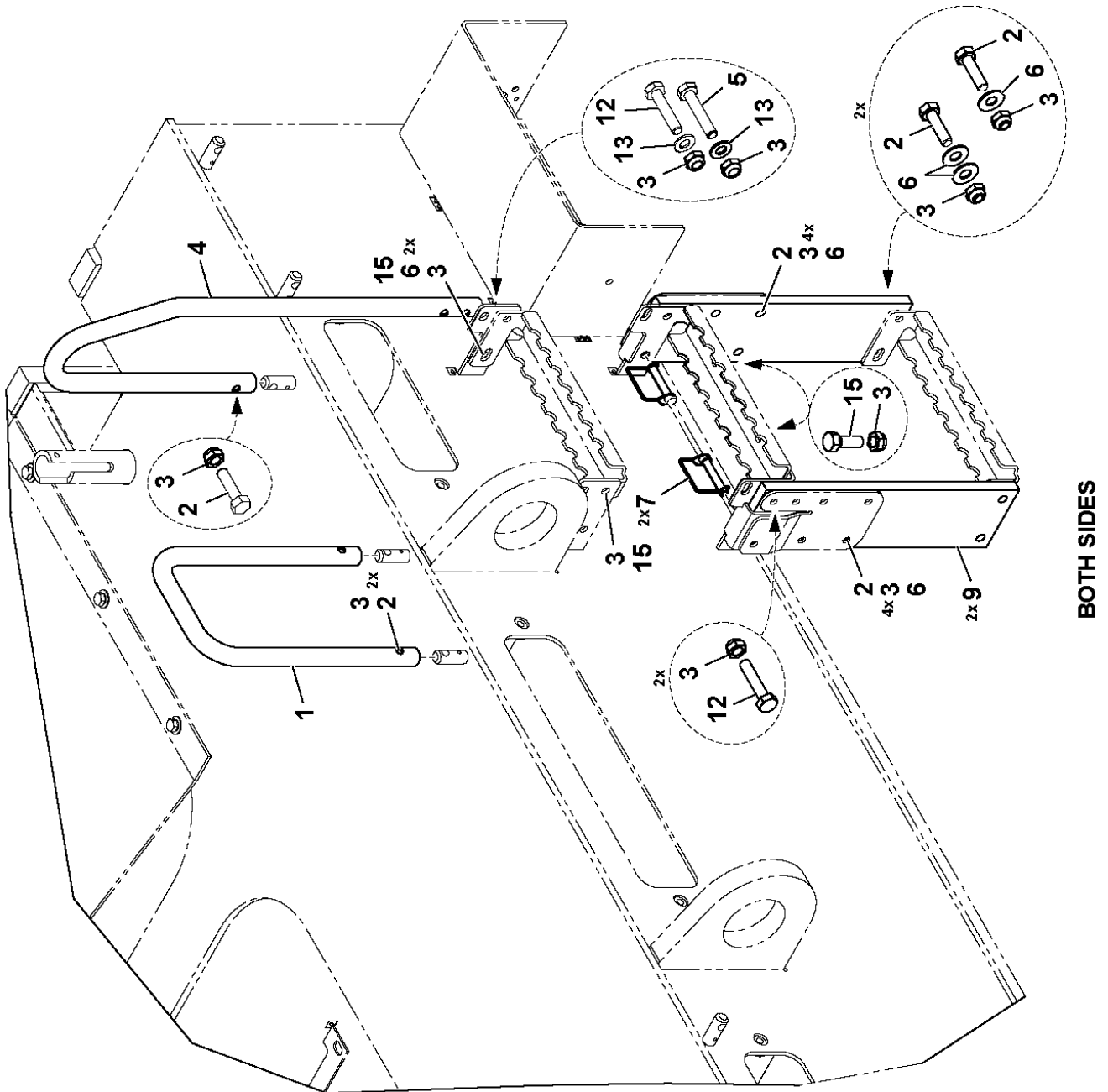


Manitowoc Cranes

Description				Assembly No.
MIRROR INSTALLATION - REAR VIEW				2159100686
				Revision: #
Item	FN	Part	Qty	Description
1	#	7628000025	1	MIRROR, 8" CONVEX INCLUDES MOUNTING HARDWARE
2	#	7184001014	1	BRACKET, MIRROR ARM INCLUDES MOUNTING HARDWARE
3		7950180141	1	WASHER, FLAT 1/2"

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Manitowoc Cranes



Manitowoc Cranes

Description

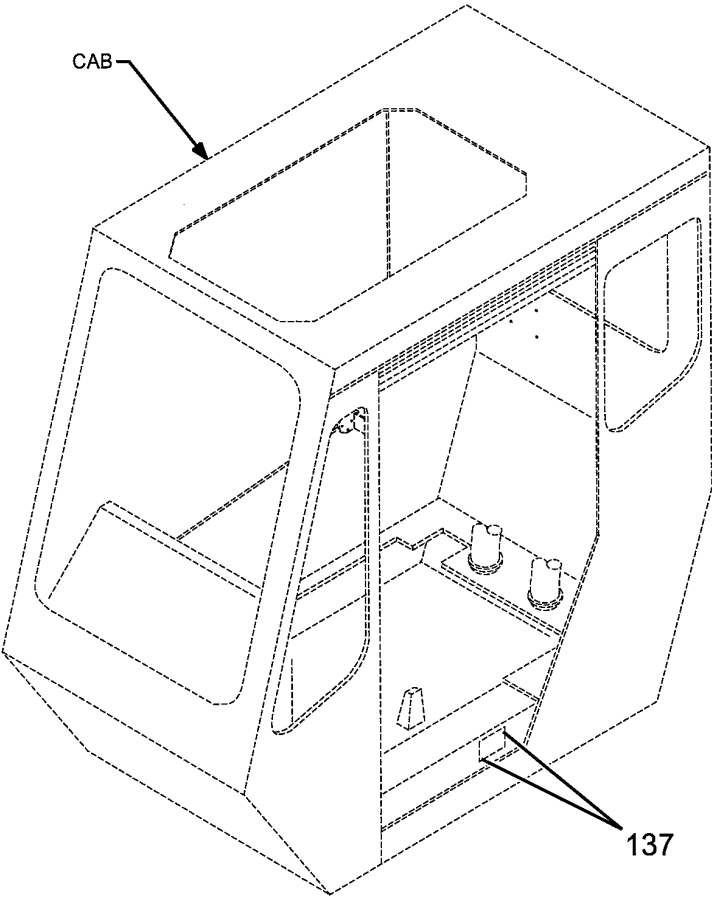
STEP INSTALLATION

Assembly No.

80025010

Revision: **A**

Item	FN	Part	Qty	Description
1		4159110364	2	HANDLE, GRAB
2		7126191550	30	CAP SCREW, M10 X 40MM HEX HEAD
3		7661191103	48	LOCKNUT
4		4159110343	2	HANDLE, GRAB
5		7126191850	2	CAP SCREW, M10 X 55MM HEX HEAD
6		7950160161	32	WASHER, FLAT WIDE 3/8
7		7689001756	4	PIN
9		7418100011	4	EXTENSION, STEP
12		7126191750	6	CAP SCREW, M10 X 50MM HEX HEAD
13		7951190014	4	FLAT WASHER, 10MM I.D.
15		7126191350	10	CAP SCREW, M10X30 HEX HEAD



Manitowoc Cranes

Description

HARDWARE KIT - DECAL

Assembly No.

6376100272

Revision: **A**

Item	FN	Part	Qty	Description
137		7760000011	4	RIVET, POP

Manitowoc Cranes

Notes

Manitowoc Cranes

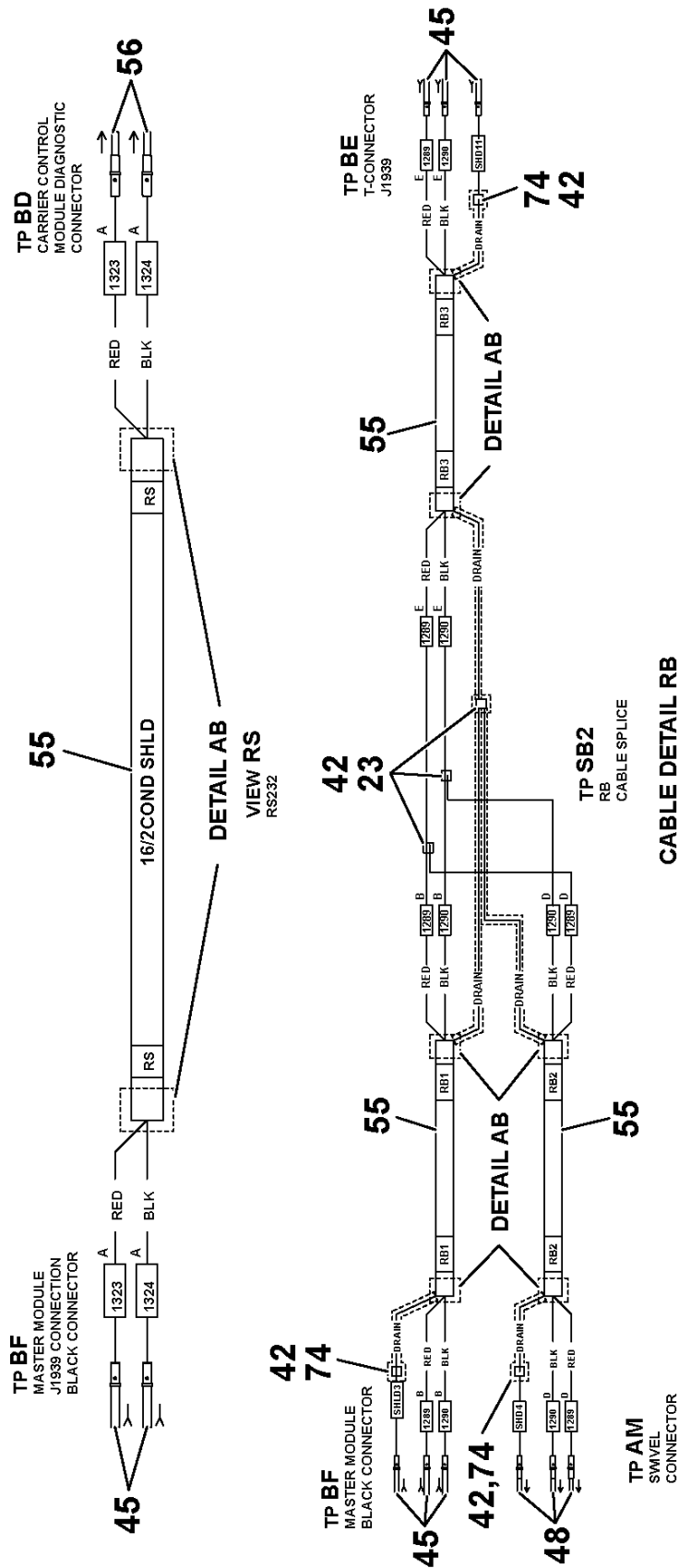
Description ESI-CARRIER				Assembly No. 80039367 Revision: A
Item	FN	Part	Qty	Description
1	+	80038641	1	HARNESS ASSEMBLY-CARRIER
2	+	6679100157	1	PANEL ASSEMBLY - ENGINE RELAYS (COMPLETE ASSEMBLY)
3		7025000836	1	ALARM, BACK-UP INCLUDES THE FOLLOWING PARTS
		7172000546	1	BOOT
		7689000704	2	PIN, 16 - 14 GA
4		7850000237	100	TIE, CABLE (BLACK) 7 5/16" LONG
5		7126151153	2	CAP SCREW, M6X20 HEX HEAD
6		7951150210	2	LOCKWASHER, 6MM I.D.
7	#	7661150003	2	NUT, HEX
8		7950140161	2	WASHER, 1/4" I.D. FLAT WIDE
9		7111040410	4	SCREW, MACHINE 7/64" - 40 N.C. X 1/2" GRADE 1
10		7950040141	4	WASHER, 7/64" I.D.
11		7950040050	4	LOCKWASHER, 7/64" I.D.
12		7660041100	4	NUT, HEX 7/64" - 40 N.C. GRADE 1
13		7246002555	1	CABLE ASSY
14		7300000408	1	CLAMP, TUBING
15		7300000405	1	CLAMP, TUBING
16		7126151153	3	CAP SCREW, M6X20 HEX HEAD
17		7950140161	3	WASHER, 1/4" I.D. FLAT WIDE
18		7951150210	3	LOCKWASHER, 6MM I.D.
19		7659190019	3	NUT, RETAINING M6
20		7115161050	2	CAP SCREW, 3/8" - 16 N.C. X 1 1/4" GRADE 5
21		7660160000	2	NUT, HEX 3/8" - 16 N.C.
22		7950160350	4	WASHER, LOCK 3/8" I.D.
23		7300000406	1	CLAMP, TUBING

+ SEE FURTHER BREAKDOWN THIS GROUP

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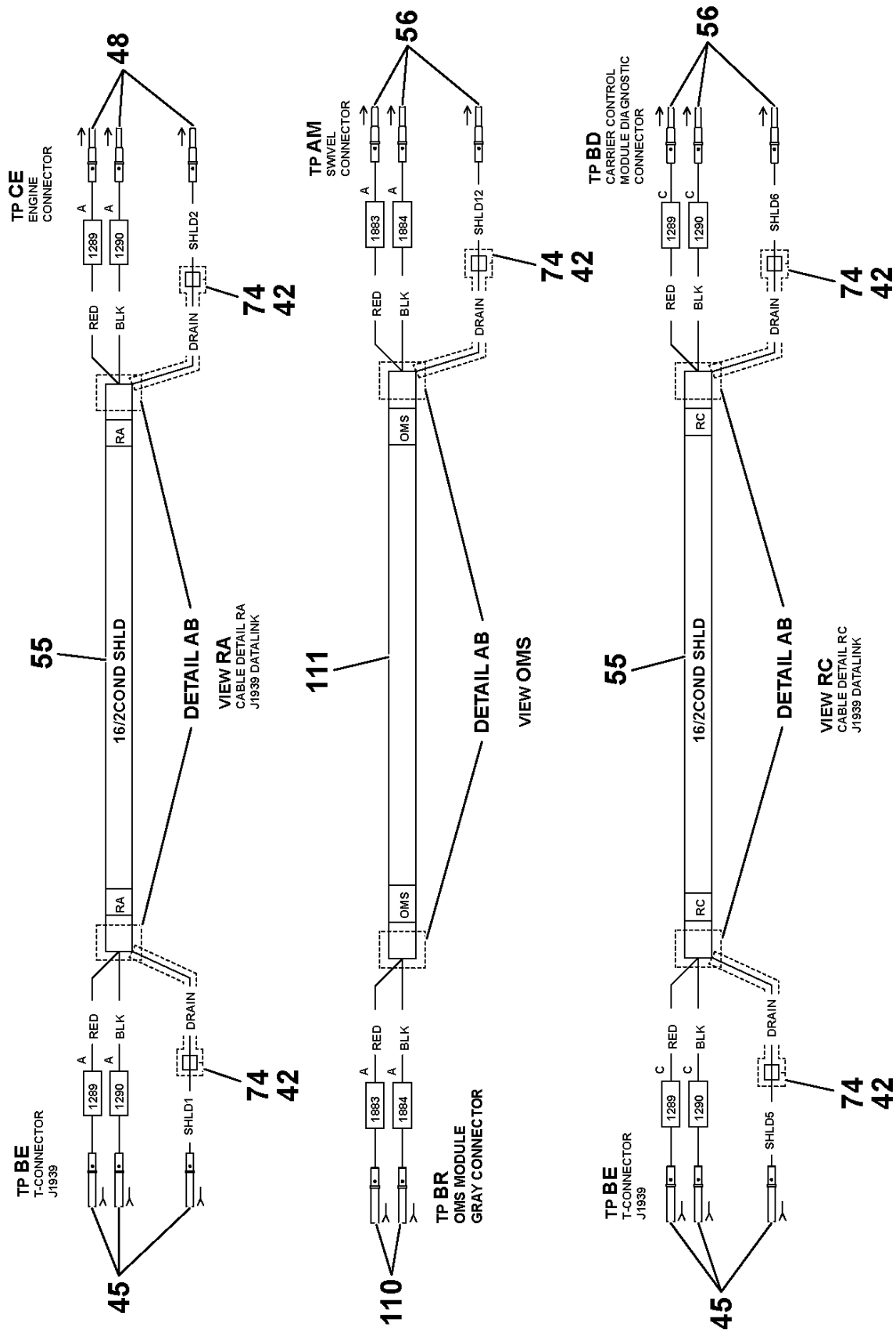
Manitowoc Cranes

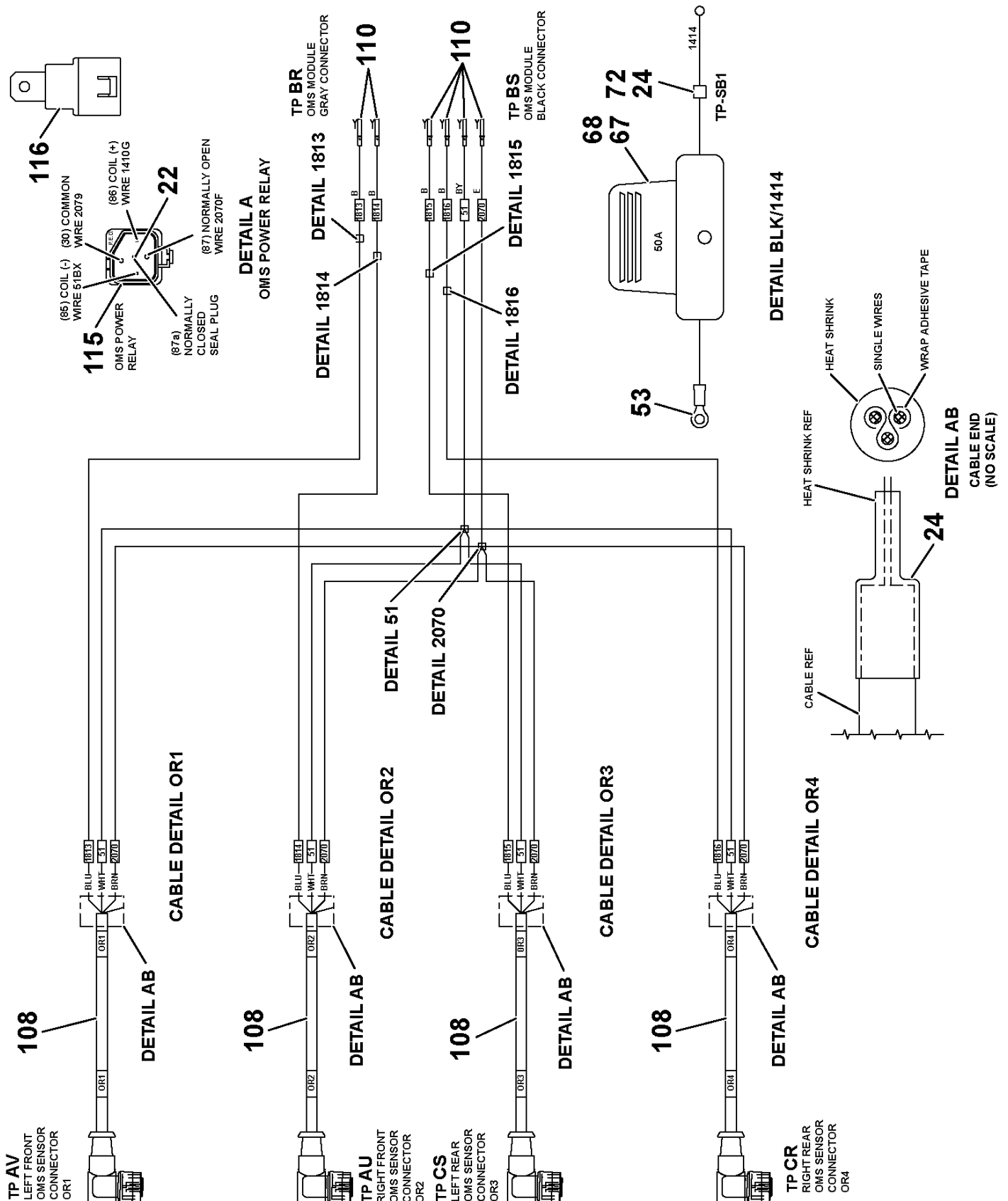
Notes



WIRE NUMBER LABELS FOR USE ON CABLE ASSYS

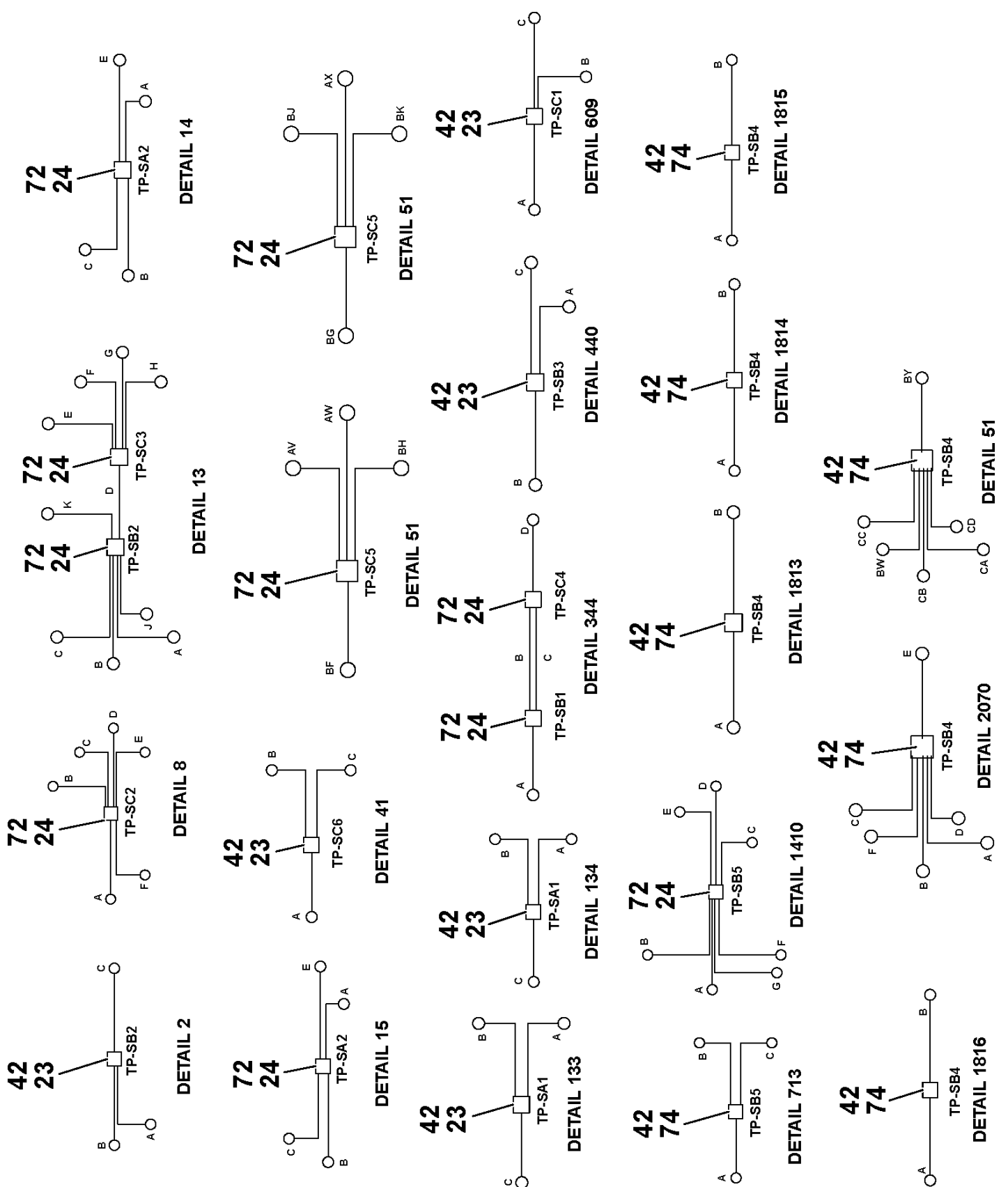
WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQ'D
1289A	RED	10	5	RA	BE	USE INSUL	CE	USE INSUL	2
1289B	RED	10	5	RB	BF	USE INSUL	SB2	USE INSUL	2
1289C	RED	10	5	RC	BE	USE INSUL	BD	USE INSUL	2
1289D	RED	10	5	RB	AM	USE INSUL	SB2	USE INSUL	2
1289E	RED	10	5	RB	BE	USE INSUL	SB2	USE INSUL	2
1290A	BLK	10	5	RA	BE	USE INSUL	CE	USE INSUL	2
1290B	BLK	10	5	RB	BF	USE INSUL	SB2	USE INSUL	2
1290C	BLK	10	5	RC	BE	USE INSUL	BD	USE INSUL	2
1290D	BLK	10	5	RB	AM	USE INSUL	SB2	USE INSUL	2
1290E	BLK	10	5	RB	BE	USE INSUL	SB2	USE INSUL	2
1323A	RED	10	5	RS	BF	USE INSUL	BD	USE INSUL	2
1324A	BLK	10	5	RS	BF	USE INSUL	BD	USE INSUL	2





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TP BH
CONTROL MODULE
CONNECTOR



Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
1638	WHT GXL	18	26	BS	110	—	BT	110	—
1639	↑	18	26	BS	110	—	BT	110	—
1640		18	26	BS	110	—	BT	110	—
1813B		18	5	BR	110	—	SB4	STRIP	SEE DETAIL
1814B		18	6	BR	110	—	SB4	STRIP	SEE DETAIL
1815B		18	7	BS	110	—	SB4	STRIP	SEE DETAIL
1816B		18	8	BS	110	—	SB4	STRIP	SEE DETAIL
2069A		14	8	BA	STRIP	NOTE 5	BA	92	—
2070E		16	10	SB4	STRIP	SEE DETAIL	BR	110	—
2070F		16	71	SB4	STRIP	SEE DETAIL	BU	STRIP	SEE DETAIL
2079		14	15	BA	STRIP	NOTE 5	BU	STRIP	SEE DETAIL
SHLD1		16	4	BE	STRIP	SEE CABLE RA	BE	STRIP	SEE CABLE RA
SHLD2		16	4	CE	STRIP	SEE CABLE RA	CE	STRIP	SEE CABLE RA
SHLD3		16	4	BF	STRIP	SEE CABLE RB	BF	STRIP	SEE CABLE RB
SHLD4		16	4	AM	STRIP	SEE CABLE RB	AM	STRIP	SEE CABLE RB
SHLD5		16	4	BE	STRIP	SEE CABLE RC	BE	STRIP	SEE CABLE RC
SHLD6		16	4	BD	STRIP	SEE CABLE RC	BD	STRIP	SEE CABLE RC
SHLD7		16	4	AM	STRIP	SEE CABLE PC1B	AM	STRIP	SEE CABLE PC1B
SHLD8		16	4	BG	STRIP	SEE CABLE PC1C	BG	STRIP	SEE CABLE PC1C
SHLD9		16	4	AM	STRIP	SEE CABLE PC2B	AM	STRIP	SEE CABLE PC2B
SHLD10		16	4	BG	STRIP	SEE CABLE PC2C	BG	STRIP	SEE CABLE PC2C
SHLD11		16	4	BE	STRIP	SEE CABLE RB	BE	STRIP	SEE CABLE RB
SHLD12		16	4	AM	STRIP	SEE CABLE RB	AM	STRIP	SEE CABLE RB
AE7		16	6	AE	49	—	—	SEE NOTE 8	—
AM1		16	8	AM	48	—	—	SEE NOTE 8	—
AM4		16	8	AM	48	—	—	SEE NOTE 8	—
AM5		16	8	AM	48	—	—	SEE NOTE 8	—
BPA		16	8	BP	49	—	—	SEE NOTE 8	—
CD10		16	6	CD	49	—	—	SEE NOTE 8	—
CD11		16	6	CD	49	—	—	SEE NOTE 8	—
CD12		16	6	CD	49	—	—	SEE NOTE 8	—
CE1	↓	12	8	CE	75	—	—	SEE NOTE 8	—
CE2	WHT GXL	16	9	CE	48	—	—	SEE NOTE 8	—
CE3	WHT GXL	16	9	CE	48	—	—	SEE NOTE 8	—
CE4	↑	16	9	CE	48	—	—	SEE NOTE 8	—
CM1		16	7	CM	48	—	—	SEE NOTE 8	—
CN1		16	7	CN	48	—	—	SEE NOTE 8	—
CP6	↓	16	8	CP	49	—	—	SEE NOTE 8	—
CP12	WHT GXL	16	8	CP	49	—	—	SEE NOTE 8	—

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
84	WHT GXL	18	179	BH	49	—	CF	49	—
89A	WHT GXL	16	97	BH	49	—	CE	48	—
133A	▲	16	153	BH	49	—	SA1	STRIP	SEE DETAIL
133B		16	22	AR	49	—	SA1	STRIP	SEE DETAIL
133C		16	77	AB	13,14	—	SA1	STRIP	SEE DETAIL
134A		16	152	BH	49	—	SA1	STRIP	SEE DETAIL
134B		16	21	AS	48	—	SA1	STRIP	SEE DETAIL
134C		16	74	AC	13,14	—	SA1	STRIP	SEE DETAIL
343		18	97	BH	45	—	CE	48	—
344A		12	5	SB1	STRIP	SEE DETAIL	BA	STRIP	NOTE 5
344B		12	63	SB1	STRIP	SEE DETAIL	SC4	STRIP	SEE DETAIL
344C		12	63	SB1	STRIP	SEE DETAIL	SC4	STRIP	SEE DETAIL
344D		12	8	CE	75	—	SC4	STRIP	SEE DETAIL
367		18	97	BH	49	—	CE	48	—
368		18	97	BH	49	—	CE	48	—
371		18	97	BH	49	—	CE	48	—
440A		18	25	BH	45	—	SB3	STRIP	SEE DETAIL
440B		18	95	AF	36,37	—	SB3	STRIP	SEE DETAIL
440C		18	102	CA	36,37	—	SB3	STRIP	SEE DETAIL
504		18	78	BH	49	—	BK	49	—
530		18	90	BP	49	—	BH	49	—
609A		18	87	BH	49	—	SC1	STRIP	SEE DETAIL
609B		18	10	CE	48	—	SC1	STRIP	SEE DETAIL
609C		18	96	CC	49	—	SC1	STRIP	SEE DETAIL
631		18	98	BH	49	—	BJ	49	—
713A		18	44	BH	45	—	SB5	STRIP	SEE DETAIL
713B		18	29	BL	49	—	SB5	STRIP	SEE DETAIL
713C		18	29	BL	49	—	SB5	STRIP	SEE DETAIL
787		18	78	BH	49	—	BK	49	—
792		18	105	BH	49	—	AL	49	—
793		18	105	BH	49	—	AL	49	—
842	▼	18	130	BH	45	—	CB	51	—
1253	WHT GXL	16	33	BA	STRIP	NOTE 9	BD	48	—
1274	YEL SXL	6	56	AM	20	—	BC	25	—
1280	WHT GXL	16	81	CE	48	—	BM	45	—
1299	▲	16	81	CE	48	—	BM	45	—
1358A		12	8	BA	STRIP	NOTE 5	BA	41	—
1358B		14	8	BA	STRIP	NOTE 5	BA	92	—
1358C		16	8	BA	STRIP	NOTE 9	BA	92	—
1410A		16	45	BH	49	—	SB5	STRIP	SEE DETAIL
1410B		18	117	AF	36,37	—	SB5	STRIP	SEE DETAIL
1410C		18	31	BK	49	—	SB5	STRIP	SEE DETAIL
1410D		18	85	CB	51	—	SB5	STRIP	SEE DETAIL
1410E		18	80	CA	36,37	—	SB5	STRIP	SEE DETAIL
1410F		18	75	BP	49	—	SB5	STRIP	SEE DETAIL
1410G		16	21	BU	STRIP	SEE DETAIL	SB5	STRIP	SEE DETAIL
1414		8	59	BN	26	—	SB1	STRIP	SEE DETAIL
1463	▼	14	62	BA	STRIP	NOTE 5	BG	15	—
1478	WHT GXL	18	76	BH	45	—	BK	49	—

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WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
51P	WHT GXL	16	81	AK	49	—	AG	49	—
51S	▲	16	81	AK	49	—	AG	49	—
51T		16	85	AL	49	—	AG	49	—
51V		16	85	AL	49	—	AG	49	—
51W		18	78	AN	50	—	AG	49	—
51Y		14	70	AG	15	—	CP	15	—
51AA		16	89	BF	49	—	CG	28	CRIMP W/51AB
51AB		16	89	BF	49	—	CG	STRIP	CRIMP W/51AA
51AC		16	89	BG	49	—	CG	28	—
51AD		14	90	BH	15	—	CG	27	CRIMP W/51AE
51AE		14	90	BH	15	—	CG	STRIP	CRIMP W/51AD
51AG		18	67	BL	49	—	CP	49	—
51AH		18	74	BK	49	—	CP	49	—
51AK		18	72	BK	49	—	CP	49	—
51AL		18	92	BJ	49	—	CP	49	—
51AM		18	56	CB	51	—	CP	49	—
51AN		16	54	CC	49	—	CD	49	—
51AP		18	28	CF	49	—	CD	49	—
51AR		18	26	CF	49	—	CD	49	—
51AS		18	26	CF	49	—	CD	49	—
51AT		18	28	CF	49	—	CD	49	—
51AU		14	85	CD	15	—	CP	15	—
51AV		16	94	CH	46,47	—	SC5	STRIP	SEE DETAIL
51AW		16	94	CJ	13,14	—	SC5	STRIP	SEE DETAIL
51AX		16	97	CK	13,14	—	SC5	STRIP	SEE DETAIL
51AY		16	71	BB	49	—	AG	49	—
51BF		16	4	CD	49	—	SC5	STRIP	SEE DETAIL
51BG		16	5	CD	49	—	SC5	STRIP	SEE DETAIL
51BH		16	29	CM	48	—	SC5	STRIP	SEE DETAIL
51BJ		16	28	CN	48	—	SC5	STRIP	SEE DETAIL
51BK		16	97	CL	46,47	—	SC5	STRIP	SEE DETAIL
51BN		16	80	CP	49	—	BD	48	—
51BP		16	140	CD	49	—	BL	49	—
51BR		14	14	AG	15	—	AH	STRIP	CRIMP W/51BS
51BS		14	14	AG	15	—	AH	27	CRIMP W/51BR
51BT		14	16	CP	15	—	CG	STRIP	CRIMP W/51BV
51BV		14	16	CP	15	—	CG	27	CRIMP W/51BT
51BW		16	102	SB4	STRIP	SEE DETAIL	CG	STRIP	CRIMP W/51BX
51BX		16	66	BU	STRIP	SEE DETAIL	CG	27	CRIMP W/51BW
51BY		18	9	SB4	STRIP	SEE DETAIL	BR	110	—
75		18	161	AP	49	—	BH	49	—
76		18	161	AP	49	—	BH	49	—
77		18	181	BH	49	—	CF	49	—
78		18	181	BH	49	—	CF	49	—
79A		16	101	AK	49	—	BH	49	—
80A	▼	16	101	AK	49	—	BH	49	—
81A	WHT GXL	18	159	AP	49	—	BH	49	—
82	WHT GXL	18	159	AP	49	—	BH	49	—
83	WHT GXL	18	179	BH	49	—	CF	49	—

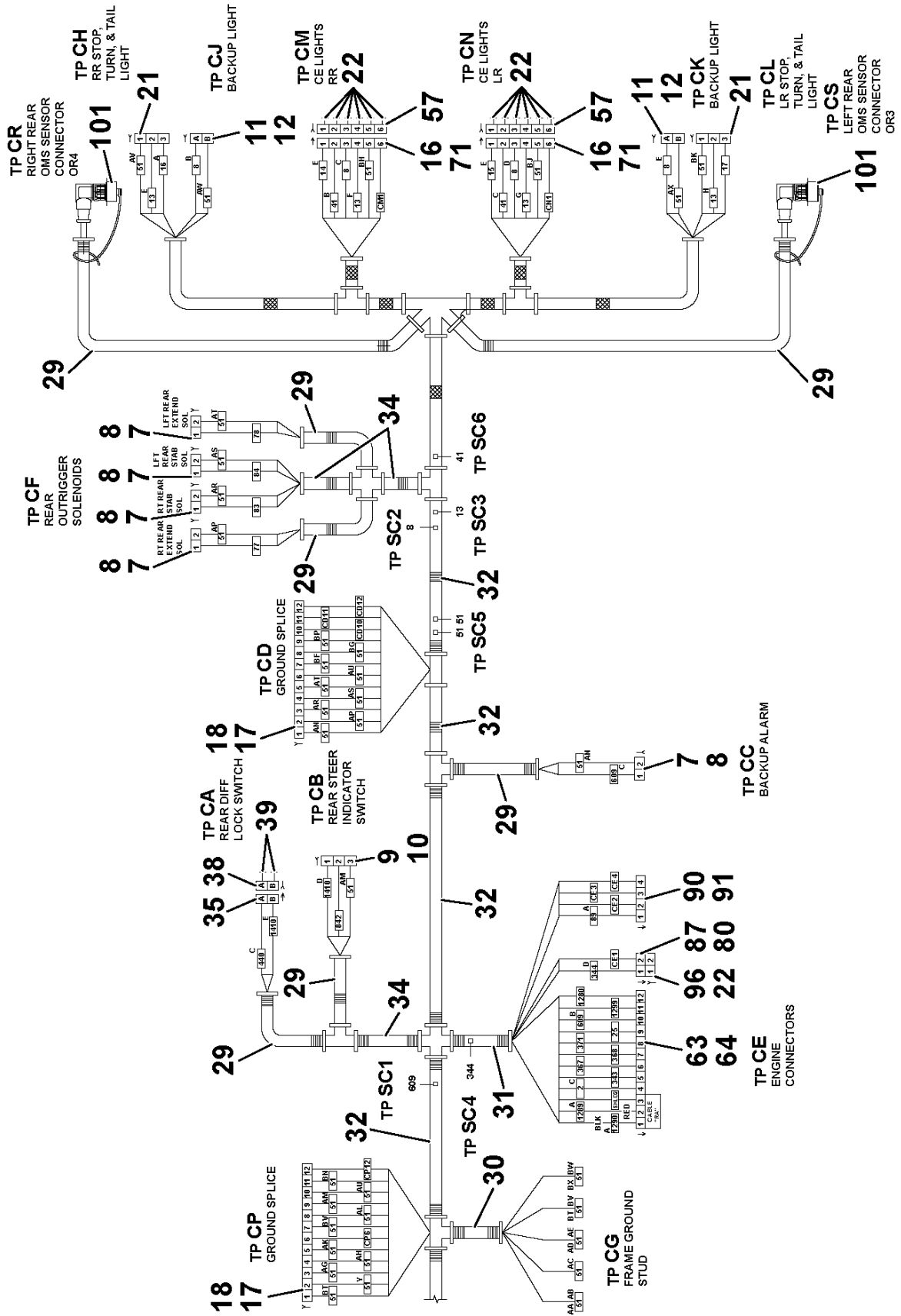
Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
2A	WHT GXL	18	25	BH	45	—	SB2	STRIP	SEE DETAIL
2B	WHT GXL	18	82	SB2	STRIP	SEE DETAIL	AJ	49	—
2C	WHT GXL	18	72	SB2	STRIP	SEE DETAIL	CE	48	—
5	YEL SXL	6	56	AM	20	—	BC	25	—
6A	YEL SXL	6	56	AM	20	—	BC	25	—
8A	WHT GXL	14	164	BH	15	—	SC2	STRIP	SEE DETAIL
8B	↑	16	87	CJ	13,14	—	SC2	STRIP	SEE DETAIL
8C		16	22	CM	48	—	SC2	STRIP	SEE DETAIL
8D		16	22	CN	48	—	SC2	STRIP	SEE DETAIL
8E		16	91	CK	13,14	—	SC2	STRIP	SEE DETAIL
8F		14	164	BH	15	—	SC2	STRIP	SEE DETAIL
13A		14	26	BH	15	—	SB2	STRIP	SEE DETAIL
13B		16	123	AS	48	—	SB2	STRIP	SEE DETAIL
13C		16	123	AR	49	—	SB2	STRIP	SEE DETAIL
13D		14	139	SC3	STRIP	SEE DETAIL	SB2	STRIP	SEE DETAIL
13E		16	86	SC3	STRIP	SEE DETAIL	CH	46,47	—
13F		16	21	SC3	STRIP	SEE DETAIL	CM	48	—
13G		16	21	SC3	STRIP	SEE DETAIL	CN	48	—
13H		16	90	SC3	STRIP	SEE DETAIL	CL	46,47	—
13J		16	10	AT	15	—	SB2	STRIP	SEE DETAIL
13K		16	61	BB	15	—	SB2	STRIP	SEE DETAIL
14A		14	137	BH	15	—	SA2	STRIP	SEE DETAIL
14B		16	93	AA	46,47	—	SA2	STRIP	SEE DETAIL
14C		16	8	AR	49	—	SA2	STRIP	SEE DETAIL
14E		16	275	CM	48	—	SA2	STRIP	SEE DETAIL
15A		14	136	BH	15	—	SA2	STRIP	SEE DETAIL
15B		16	90	AD	46,47	—	SA2	STRIP	SEE DETAIL
15C		16	9	AS	48	—	SA2	STRIP	SEE DETAIL
15E		16	274	CN	48	—	SA2	STRIP	SEE DETAIL
16A		16	251	BH	15	—	CH	46,47	—
17		16	255	BH	15	—	CL	46,47	—
25		18	97	BH	45	—	CE	48	—
32		18	98	AN	50	—	BH	45	—
41A		16	167	BH	15	—	SC6	STRIP	SEE DETAIL
41B		16	19	CM	48	—	SC6	STRIP	SEE DETAIL
41C		16	19	CN	48	—	SC6	STRIP	SEE DETAIL
51A		16	91	AA	46,47	—	AE	49	—
51B		16	91	AB	13,14	—	AE	49	—
51C		16	87	AC	13,14	—	AE	49	—
51D		16	87	AD	46,47	—	AE	49	—
51E		16	14	AE	49	—	AS	48	—
51F		16	14	AE	49	—	AR	49	—
51G		16	12	AT	49	—	AG	49	—
51H		18	22	AE	49	—	AP	49	—
51J		18	20	AE	49	—	AP	49	—
51K		18	20	AE	49	—	AP	49	—
51L		18	22	AE	49	—	AP	49	—
51M	↓	14	125	AG	15	—	AE	15	—
51N	WHT GXL	18	85	AJ	49	—	AG	49	—

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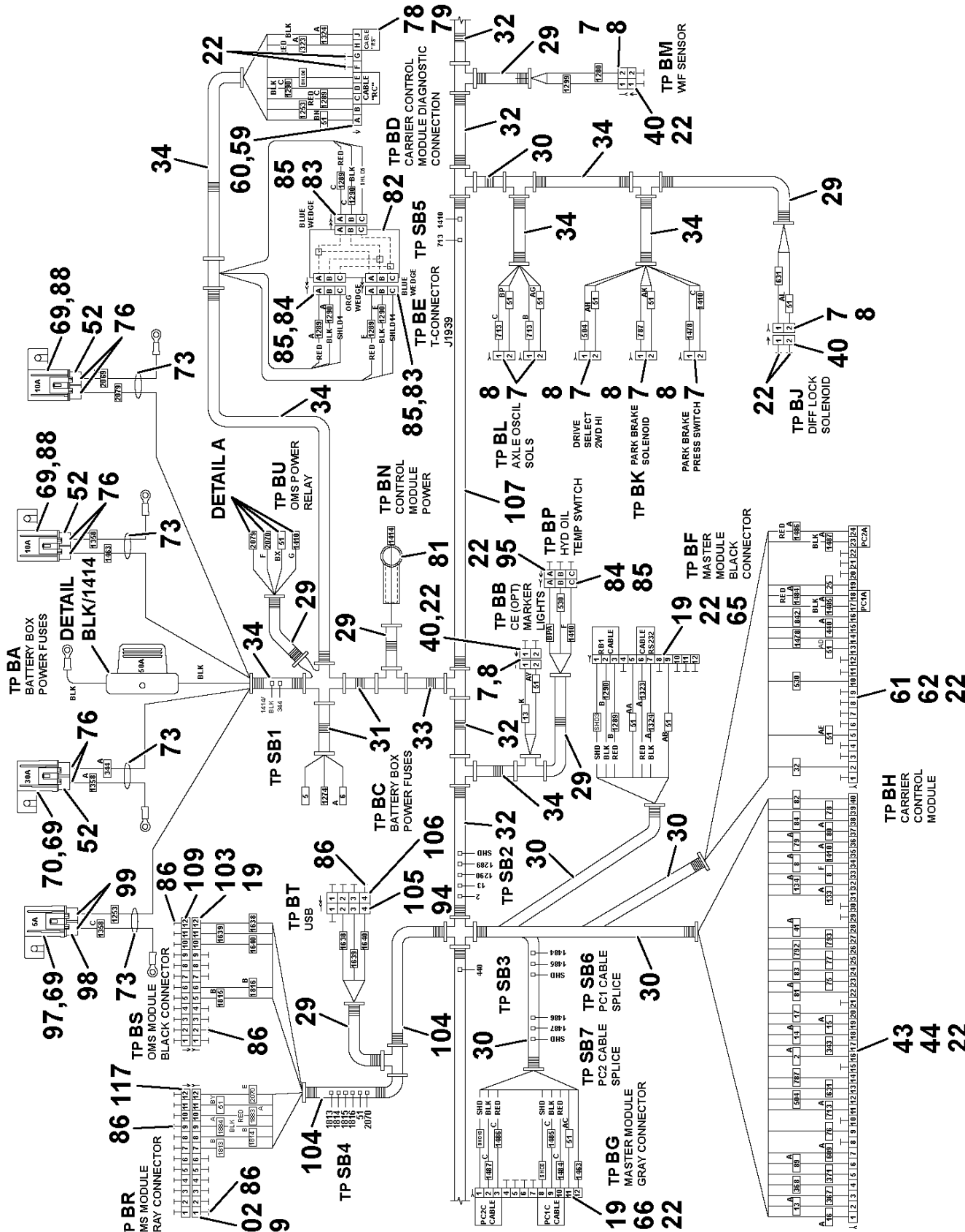


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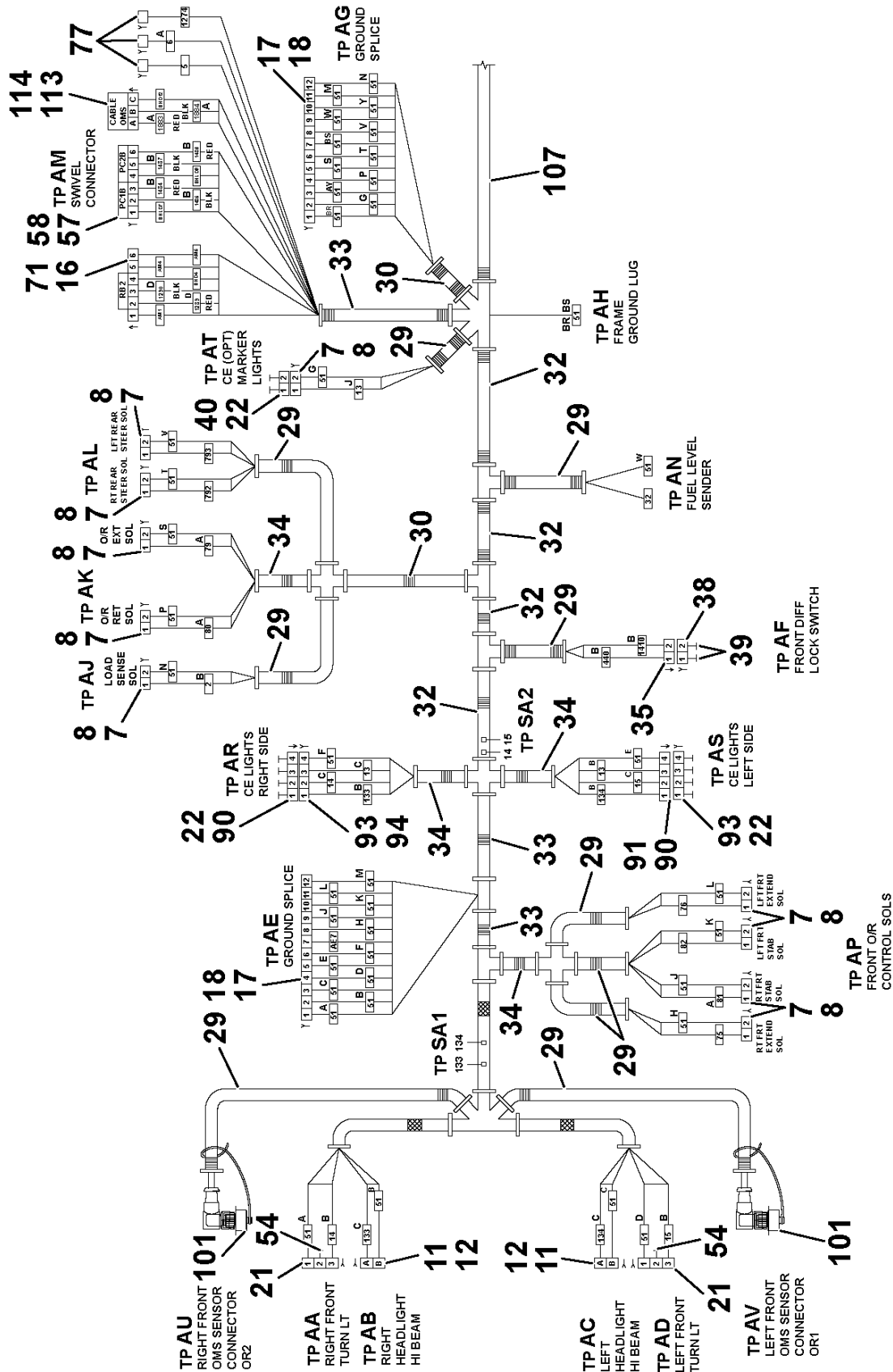
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ITEM NOT SHOWN NBR 13,14,15,20,25,26,27,28,36,
37,41,46,47,49,50,51,92,112

Manitowoc Cranes

Description HARNESS ASSEMBLY-CARRIER				Assembly No. 80038641 Revision: B
Item	FN	Part	Qty	Description
7		7709000844	23	PLUG, 2 SOCKET
8		80008755	23	180DEG BSHELL 227-0205
9		7709100877	1	PLUG
10		7172100002	1	BOOT, PLUG
11		7364100008	4	PLUG, 2 PASS
12		7364100009	4	CONNECTOR, LOCKING 2 PASS
13		7892000843	8	TERMINAL, FEMALE 16 - 20 AWG
14		7892000254	8	TERMINAL, GREEN CABLE SEAL
15		7826000087	23	SOCKET, 16-14 GA
16		7892000986	3	RECEPTACLE, 6 PIN
17		7892001036	4	RECEPTACLE, SPLICE BLOCK
18		7709000846	4	PLUG, 12 SOCKET
19		7172000552	4	BOOT
20		7826000095	3	SOCKET, 4 AWG
21		7364100051	4	PLUG
22		7689000503	63	PLUG, SEALING 16 - 12 AWG
23		7892000195	17	PARALLEL, NON - INSULATED 12 - 10 AWG
24		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
25		7345232101	3	TERMINAL 6 AWG
26		7345242001	1	TERMINAL 8 AWG
27		7345241901	3	TONGUE, INSULATED RING
28		7345241701	3	TONGUE, INSULATED RING
29		8594000019	52	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
30		8594000003	11	FLEXGUARD - .625" I.D. (QUANTITY IN FEET)
31		8594000002	1	FLEXGUARD - .750" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Description HARNESS ASSEMBLY-CARRIER				Assembly No. 80038641 Revision: B
Item	FN	Part	Qty	Description
32		8594000022	21	FLEXGUARD - 1.250" I.D. (QUANTITY IN FEET)
33		8594000001	3	FLEXGUARD - 1.00" I.D. (QUANTITY IN FEET)
34		8594000006	12	FLEXGUARD - .350" I.D. (QUANTITY IN FEET)
35		7364001683	2	CONNECTOR, 2 CONDUCTOR SHROUD
36		7892000252	4	TERMINAL, MALE PIN
37		7892100003	4	TERMINAL, DARK RED CABLE SEAL
38		7364001682	2	CONNECTOR, 2 CONDUCTOR TOWER WITH SEAL
39		7892000257	4	TERMINAL, GREEN CAVITY SEAL
40		7892000949	4	RECEPTACLE, 2 PIN
41		7345231901	1	TERMINAL 12 - 10 AWG
42		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
43		7709000849	1	PLUG 40 SOCKET
44		7172000554	1	BOOT
45		7826100004	38	SOCKET, (16 - 18) 30 SERIES
46		7826100013	10	SOCKET,
47		7364100052	10	SEAL
48		7689001782	36	PIN, 18 - 16 GAGE
49		7826000626	112	SOCKET, 16 - 18 AWG
50		7345211401	2	TERMINAL 22 - 18 AWG
51		7826100016	3	SOCKET, DEUTSCH 22/20 GA NI
52		7892100029	3	2-PASS CONNECTOR/ORANGE SEAL
53		7345232001	1	TERMINAL 8 AWG
54		7364100058	2	SEAL, RED PLUG
55		7246003369	32	CABLE, 16 GA 19 CONDUCTOR SHIELDED

Manitowoc Cranes

Description HARNESS ASSEMBLY-CARRIER				Assembly No. 80038641 Revision: B
Item	FN	Part	Qty	Description
56		7689002053	8	PIN 16 - 18 AWG
57		7709000883	3	PLUG 6 SOCKET
58		7172000565	1	BOOT, CONNECTOR
59		7892001053	1	RECEPTACLE, 9 PIN
60		7258100154	1	CAP, DEUTSCH HDC16 - 9 DUST
61		7709000850	1	PLUG 24 SOCKET
62		7172000553	1	BOOT
63		7892000951	1	RECEPTACLE, 12 PIN
64		7172000551	1	BOOT
65		7709100929	1	PLUG, DTO6-12SB-C015 W/WEDGE
66		7709000846	1	PLUG, 12 SOCKET
67		7482100000	1	FUSE, MAXI HOLDER
68		7482100005	1	FUSE, MAXI 50AMP
69		7892100030	4	CONNECTOR, COVER/SINGLE
70		7482000029	1	FUSE, 30 AMP
71		7172000564	3	BOOT
72		7892000196	15	PARALLEL, NON - INSULATED 8 AWG
73		7850000208	100	CABLE TIE, BLACK
74		7892000194	13	PARALLEL, NON - INSULATED 16 - 14 AWG
75		7689000797	2	PIN 12 AWG
76		7892100033	6	TERMINAL, FEMALE 2.94-3.68
77		7709000838	3	PLUG 1 SOCKET
78		7258100165	1	BACKSHELL, DEUTSCH HD10 SERIES
79		7659190018	1	NUT, DEUTSCH HD10-SER/COMPRESS
80		7172100005	1	BOOT, DTP2P-BT
81		7172000558	1	BOOT, TERMINAL
82		7892100036	1	RECEPTACLE, 3 WAY
83		7709100911	2	PLUG,DT06-3S-CEO6 W/BLUE WEDGE

Manitowoc Cranes

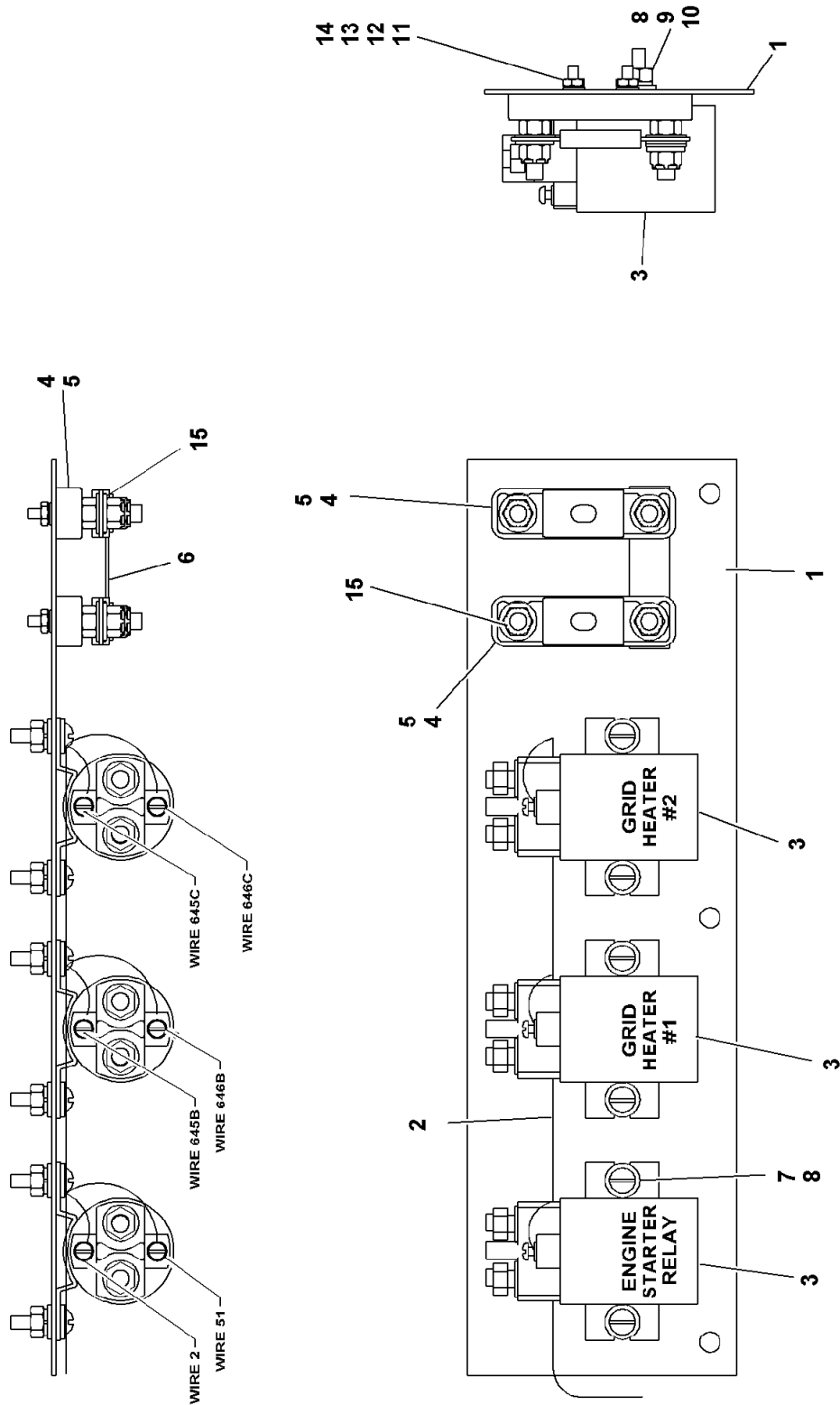
Description HARNESS ASSEMBLY-CARRIER				Assembly No. 80038641 Revision: B
Item	FN	Part	Qty	Description
84		7709000874	2	PLUG 3 SOCKET
85		7172000547	4	BOOT
86		7826000650	40	PLUG, SEALING
87		7892100025	1	DEUTSCH DTP 2-PASS RECEPTACLE
88		7482000033	2	FUSE, 10 AMP
90		7892001051	3	RECEPTACLE, 4 PIN
91		7172000568	2	BOOT, CONNECTOR
92		7345231701	3	TERMINAL 16 - 14 AWG
93		7709000936	2	PLUG, 4 SOCKET
94		7172000567	2	BOOT, CONNECTOR
95		7892000947	1	RECEPTACLE, 3 PIN
96		7709100891	1	PLUG, 2-PASS DEUTSCH DTP
97		7482000035	1	FUSE, 5 AMP
98		7892100028	1	CONNECTOR, 2 - PASS GREEN SEAL
99		7892100034	2	TERMINAL, FEMALE
101		80030502	4	M12 CAP,MALE,PLASTIC,LOOP
102		7709100907	1	PLUG DTM06,12SA W/WM-12S WEDGE
103		7709100908	1	PLUG DTM06-12SB W/WM-12S WEDGE
104		8594000004	4	FLEXGUARD - .500" I.D. (QUANTITY IN FEET)
105		7709100895	1	PLUG, 4 SOCKET
106		7892100039	1	RECEPTACLE, DTM04-4P
107		8594000023	1	FLEXGUARD - 1.625" I.D. (QUANTITY IN FEET)
108		80031257	4	Cable M12 4-SOC Shielded 90DEG
109		7892100141	1	RECEPTACLE-DTM12SB
110		81015148	14	SOCKET 16-18 GA AU DTM
111		7246100321	6	CABLE 18GA
112		7892000809	4	TERMINAL, RELAY WATERPROOF
113		7892000978	1	RECEPTACLE, 3 PIN
114		80008761	1	180DEG BSHELL 233-0305

Manitowoc Cranes

Description				Assembly No.
HARNESS ASSEMBLY-CARRIER				80038641
				Revision: B
Item	FN	Part	Qty	Description
115		7826000617	1	SOCKET, RELAY WATERPROOF
116	#	7750000114	1	RELAY (HOSTILE ENVIRONMENT)
117		7892100140	1	RECEPTACLE, DTM12SA

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Manitowoc Cranes



Manitowoc Cranes

Description

PANEL ASSEMBLY - ENGINE RELAYS (COMPLETE ASSEMBLY)

Assembly No.

6679100157

Revision: **B**

Item	FN	Part	Qty	Description
1	+	4174810060	1	PANEL, RELAY
2		6512100807	1	HARNESS ASSEMBLY - ENGINE RELAY PANEL (COMPLETE ASSEMBLY)
3		7750000793	3	RELAY, 200 AMP
4		7086001082	2	HOLDER, FUSE
5		7482000572	2	FUSE 125A/125V
6		6059000910	1	BAR
7		7111140810	6	SCREW, MACHINE 1/4" - 20 N.C. X 1" GRADE 1
8		7950140141	12	WASHER, FLAT 1/4" PLAIN NARROW
9		7950140050	6	WASHER, LOCK 1/4"
10		7660140000	6	NUT, HEX 1/4" - 20 N.C.
11		7111100807	4	SCREW, MACHINE 3/16" - 24 N.C. X 1" GRADE 1
12		7950100141	4	WASHER, FLAT, #10
13		7950100050	4	WASHER, LOCK #10
14		7660101100	4	NUT, HEX 3/16" - 32 N.F. GRADE 1
15		7950150141	4	WASHER, FLAT 5/16"

+ SEE FURTHER BREAKDOWN THIS GROUP

WIRE CHART									
WIRE NO	COLOR	SAE SIZE	LENGTH	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
			TOT IN						
2	WHITE	16	11	C	5	_____	D	4	_____
51	WHITE	16	13	D	4	_____	C	5	_____
645A	WHITE	16	10	D	4	_____	SA	STRIP	SEE DETAIL
645B	WHITE	16	5	B	5	_____	SA	STRIP	SEE DETAIL
645C	WHITE	16	10	A	5	_____	SA	STRIP	SEE DETAIL
646A	WHITE	16	12	D	4	_____	SB	STRIP	SEE DETAIL
646B	WHITE	16	5	B	5	_____	SB	STRIP	SEE DETAIL
646C	WHITE	16	10	A	5	_____	SB	STRIP	SEE DETAIL

DETAIL 645

DETAIL 646

Manitowoc Cranes

Description

HARNESS ASSEMBLY - ENGINE RELAY PANEL (COMPLETE ASSEMBLY)

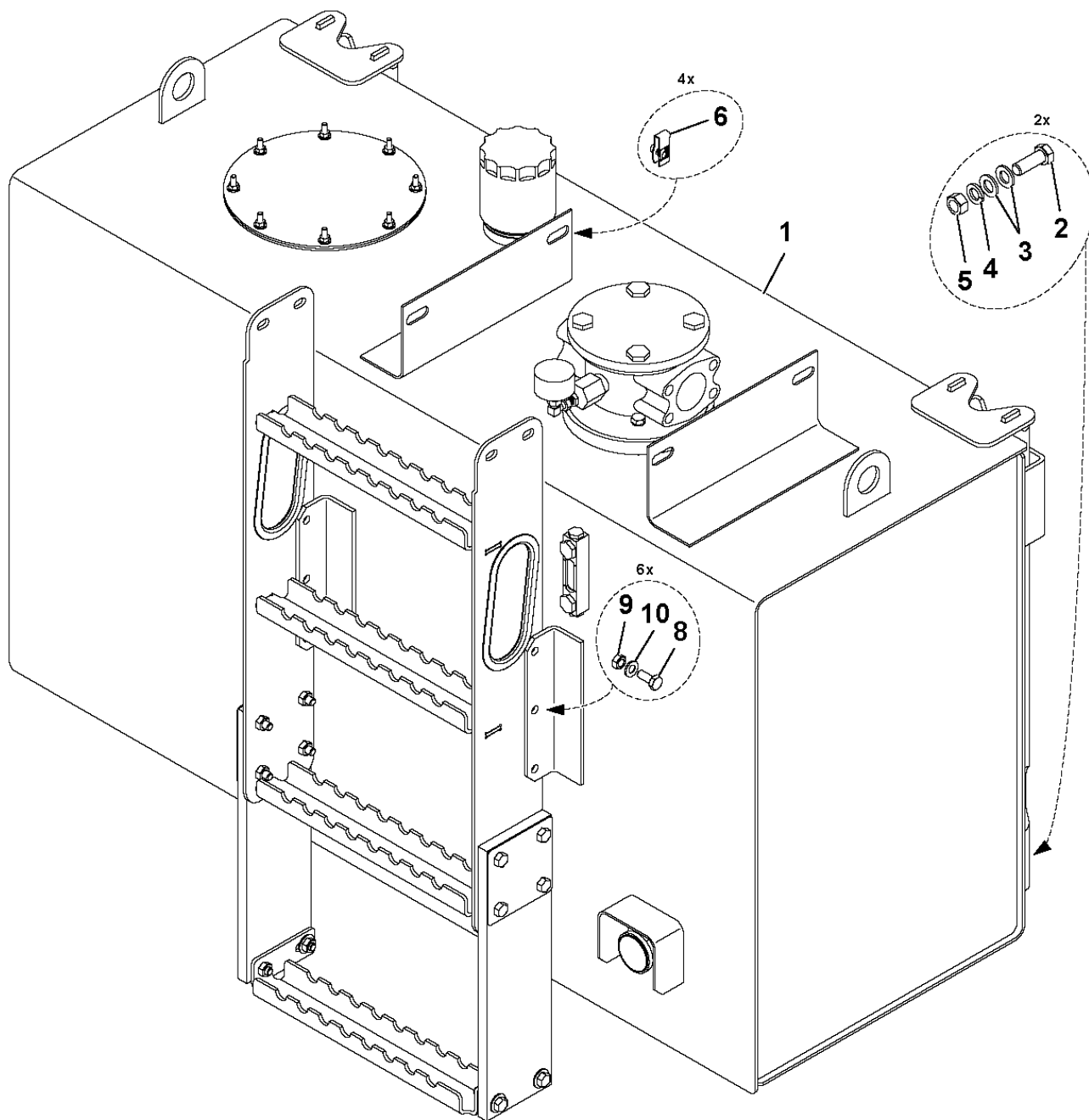
Assembly No.

6512100807

Revision: #

Item	FN	Part	Qty	Description
2		7892001051	1	RECEPTACLE, 4 PIN
3		7172000568	1	BOOT, CONNECTOR
4		7689000704	4	PIN, 16 - 14 GA
5		7345211701	6	TONGUE, INSULATED RING
6		7850000208	8	CABLE TIE, BLACK
7		8594000006	1	FLEXGUARD - .350" I.D. (QUANTITY IN FEET)
8		8594000019	1	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
9		7892000195	2	PARALLEL, NON - INSULATED 12 - 10 AWG
10		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)

Manitowoc Cranes



Manitowoc Cranes

Description

HYDRAULIC TANK INSTALLATION

Assembly No.

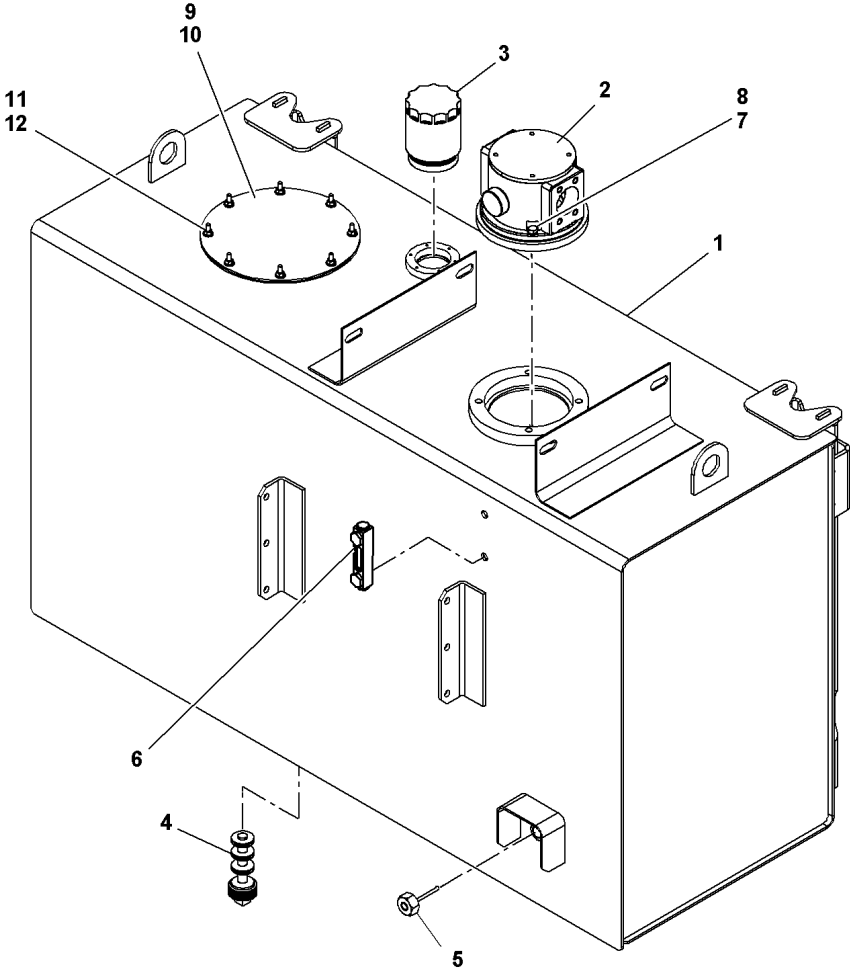
80025189

Revision: #

Item	FN	Part	Qty	Description
1	+	7880100112	1	RESERVOIR ASSEMBLY - HYDRAULIC (COMPLETE ASSEMBLY)
2		7126241653	2	CAP SCREW, M16 X 45MM HEX HEAD
3		7951240014	4	FLATWASHER 16MM I.D.
4		7951240210	2	SPRING WASHER, 16MM I.D.
5		7661240003	2	NUT, HEX 16MM N.C.
6		7659190024	4	RETAINING NUT, M10 X 1.50
8		7126191253	6	CAP SCREW, M10 X 25 HEX HEAD
9		7661191103	6	LOCKNUT
10		7951190014	6	FLAT WASHER, 10MM I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

RESERVOIR ASSEMBLY - HYDRAULIC (COMPLETE ASSEMBLY)

Assembly No.

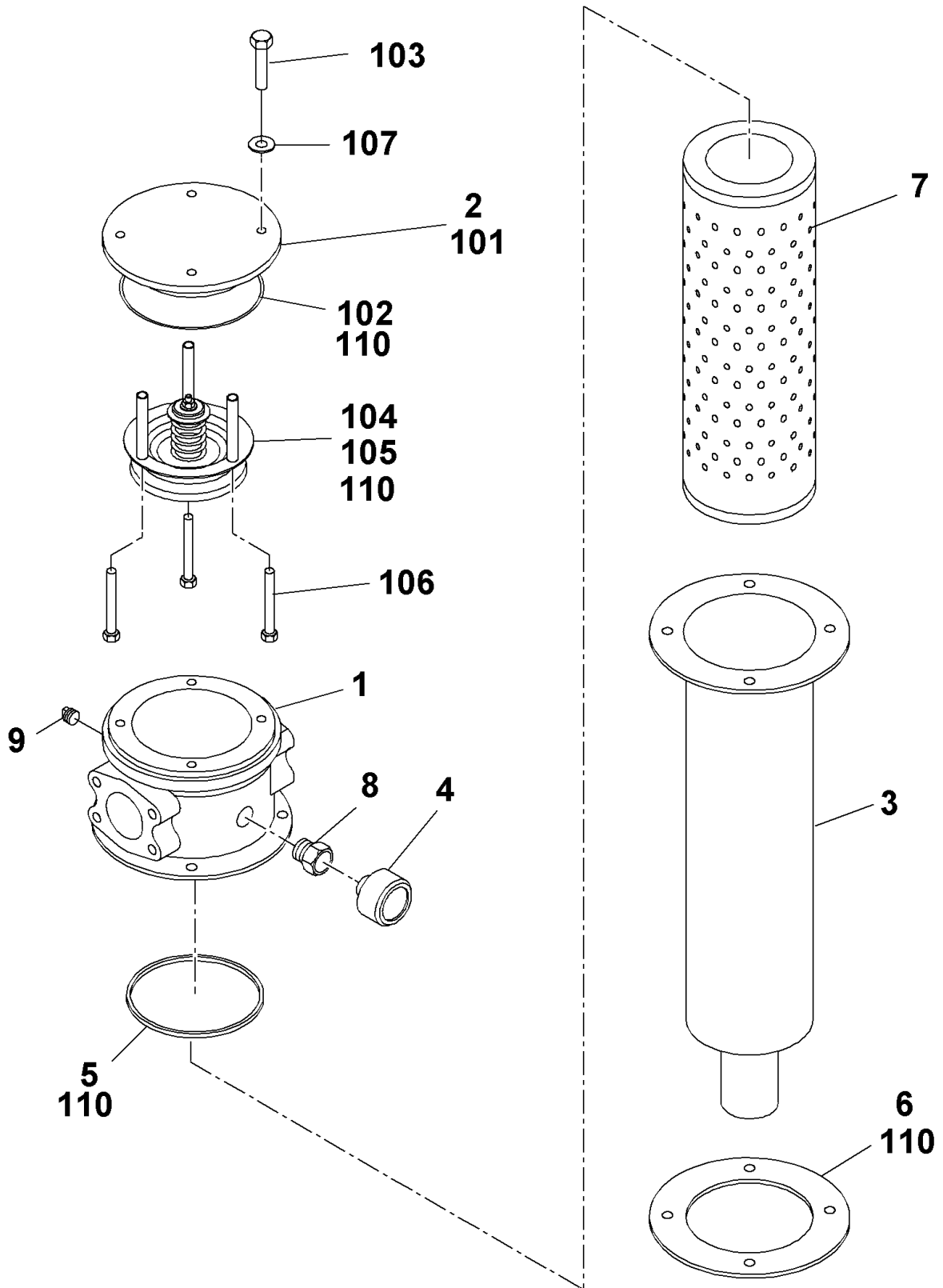
7880100112

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	WELDMENT, TANK
2	+	9437100891	1	FILTER ASSY. HYD. RETURN
3		7258100146	1	CAP, FILL (WITH BREATHER) INCLUDES THE FOLLOWING PARTS
		9258100173	1	BREATHER
		9258100174	1	KIT, STRAINER
4		7709000157	1	PLUG, MAGNETIC
5		7486000836	1	THERMOMETER
6		7486002936	1	GUAGE, OIL LEVEL INCLUDES THE FOLLOWING PARTS
		9752101414	1	KIT, SEAL MOUNTING
7		7126191450	4	CAP SCREW, M10 X 35MM HEX HEAD
8		7951190210	4	LOCK WASHER, 10MM
9		9880100223	1	COVER
10		9880100222	1	GASKET
11		7950140141	8	WASHER, FLAT 1/4" PLAIN NARROW
12		7660140000	8	NUT, HEX 1/4" - 20 N.C.

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

FILTER ASSY. HYD. RETURN

Assembly No.

9437100891

Revision:

Item	FN	Part	Qty	Description
1		9437100842	1	HEAD, FILTER
2		9437100763	1	CAP ASSEMBLY INCLUDES ITEMS 101 THRU 107
3		NSS	1	TUBE, BOWL ASSY.
4		9437100456	1	GAUGE
5	*	9437100479	1	O-RING, SQUARE
6	*	9437100480	1	GASKET
7		9437100825	1	ELEMENT
8		9437100894	1	FITTING, ADAPTER
9		9437100895	1	PLUG
101		9437100828	1	CAP
102	*	9437100575	1	O-RING
103		9437100856	4	CAPSCREW
104		9437100476	1	VALVE, BY-PASS
105		9437100765	3	SPACER
106		9437100766	3	CAP SCREW,
107		9437100857	3	WASHER
110	*	9437100452	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT



The drawing or bill of material for this installation was not available when this catalog was created. Please contact Rich Rebok at Richard.rebok@manitowoc.com for Grove products or Galen Burkholder at Galen.burkholder@manitowoc.com for National products to supply us with your serial number and model number along with your mailing information. We will then send you the missing pages either via PDF or a hardcopy to be inserted into your manual.

Regards,
Technical Publications Department
Shady Grove, Pennsylvania
www.cranecare.com

Manitowoc Cranes

Description

HYDRAULIC VALVE INSTALL-CARRIE

Assembly No.

80015153

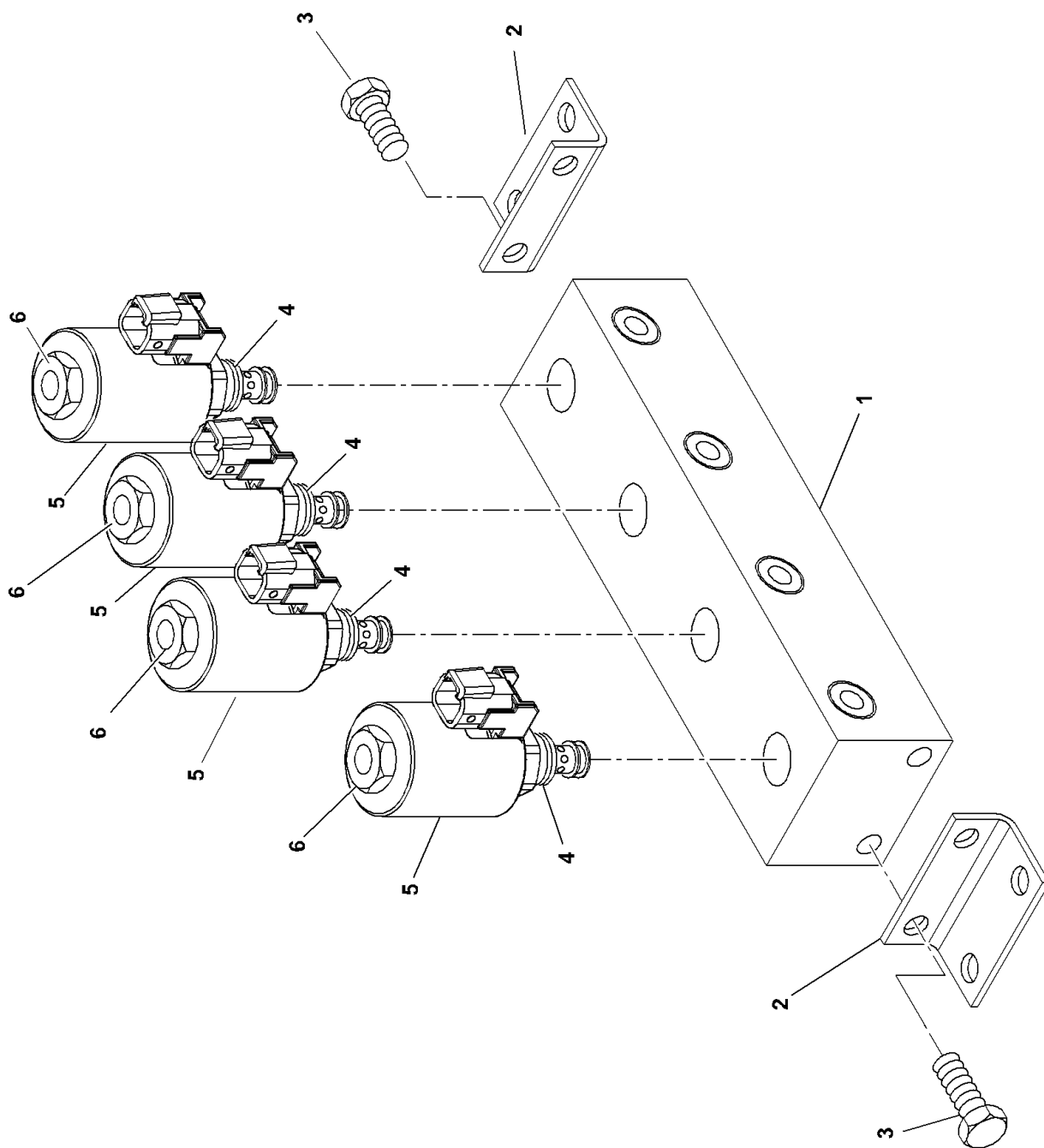
Revision: **A**

Item	FN	Part	Qty	Description
1	+	7926100859	2	VALVE ASSEMBLY - OUTRIGGER CONTROL 4 SECTION (COMPLETE ASSEMBLY)
2		7126191253	4	CAP SCREW, M10 X 25 HEX HEAD
3		7661190003	4	NUT, HEX 10MM
4		7951190014	4	FLAT WASHER, 10MM I.D.
5		7951190210	4	LOCK WASHER, 10MM
6	+	7926100911	1	VALVE ASSEMBLY - PARK BRAKE RANGE SHIFT (COMPLETE ASSEMBLY)
7		7126172150	2	CAP SCREW, HEX HEAD M8X70MM
8		7661170003	2	NUT
9		7951170014	6	WASHER, FLAT #8
10		7951170210	6	WASHER, LOCK 8MM
11	+	7926100924	1	VALVE ASSEMBLY - AXLE LOCKOUT (COMPLETE ASSEMBLY)
13	#	7661150003	2	NUT, HEX
14		7951150014	2	WASHER, 6MM I.D.
15		7951150210	2	LOCKWASHER, 6MM I.D.
16	+	80013636	1	O/R REAR STEER VALVE
17		7126171153	4	CAP SCREW, M8 X 20MM HEX HEAD
18		7126151950	2	CAP SCREW, M6 X 60MM HEX HEAD

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

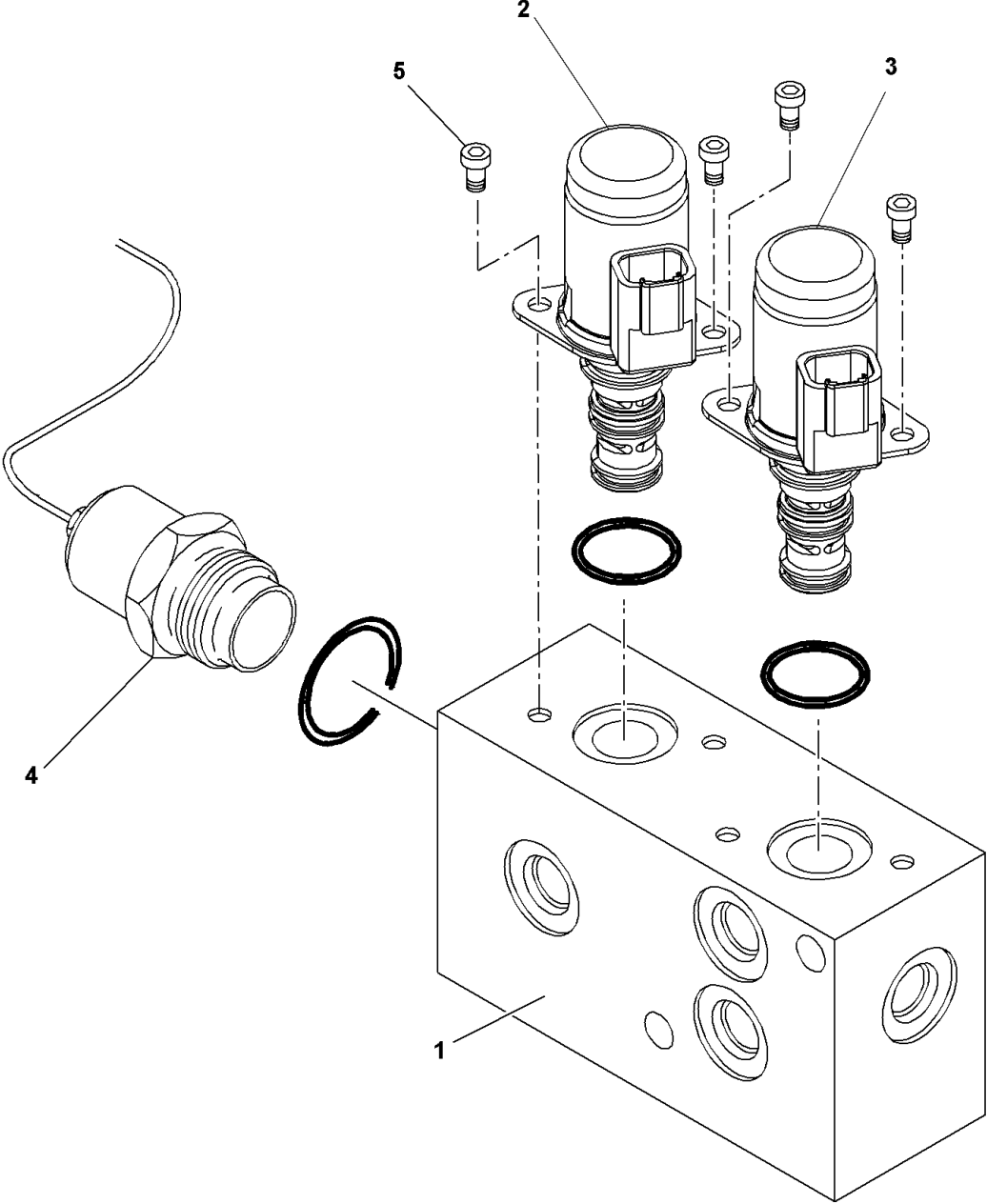
**VALVE ASSEMBLY - OUTRIGGER CONTROL 4 SECTION
(COMPLETE ASSEMBLY)**

Assembly No.

7926100859

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	MANIFOLD, ALUMINUM
2		9926112988	2	BRACKET, MOUNTING
3		7115160650	4	CAP SCREW, 3/8" - 16 N.C. X 3/4" GRADE 5
4		9926112986	4	VALVE, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9752100996	1	KIT, REPAIR
5		9926112987	4	COIL, 12V.
6		9926107745	4	NUT



Manitowoc Cranes

Description

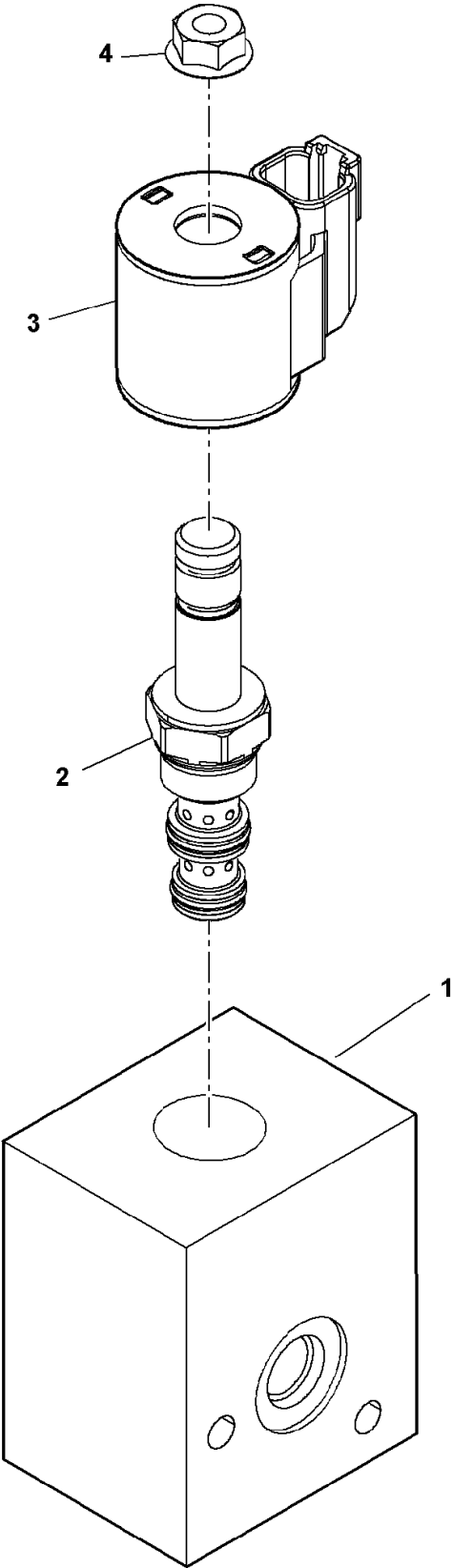
VALVE ASSEMBLY - PARK BRAKE RANGE SHIFT (COMPLETE ASSEMBLY)

Assembly No.

7926100911

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	MANIFOLD, VALVE
2		9926113140	1	VALVE, CART. & COIL ASSY. 12V.
		9926113057	1	INCLUDES THE FOLLOWING PARTS
3		9926113174	1	KIT, SEAL
		9926113176	1	VALVE, CART. & COIL ASSY. 12V.
4		9926113175	1	INCLUDES THE FOLLOWING PARTS
		7755904002	1	KIT, SEAL
5		9926113142	1	SWITCH ASSY. PRESSURE
			1	INCLUDES THE FOLLOWING PARTS
			1	O-RING
			4	SCREW, HEX SOCKET



Manitowoc Cranes

Description

VALVE ASSEMBLY - AXLE LOCKOUT (COMPLETE ASSEMBLY)

Assembly No.

7926100924

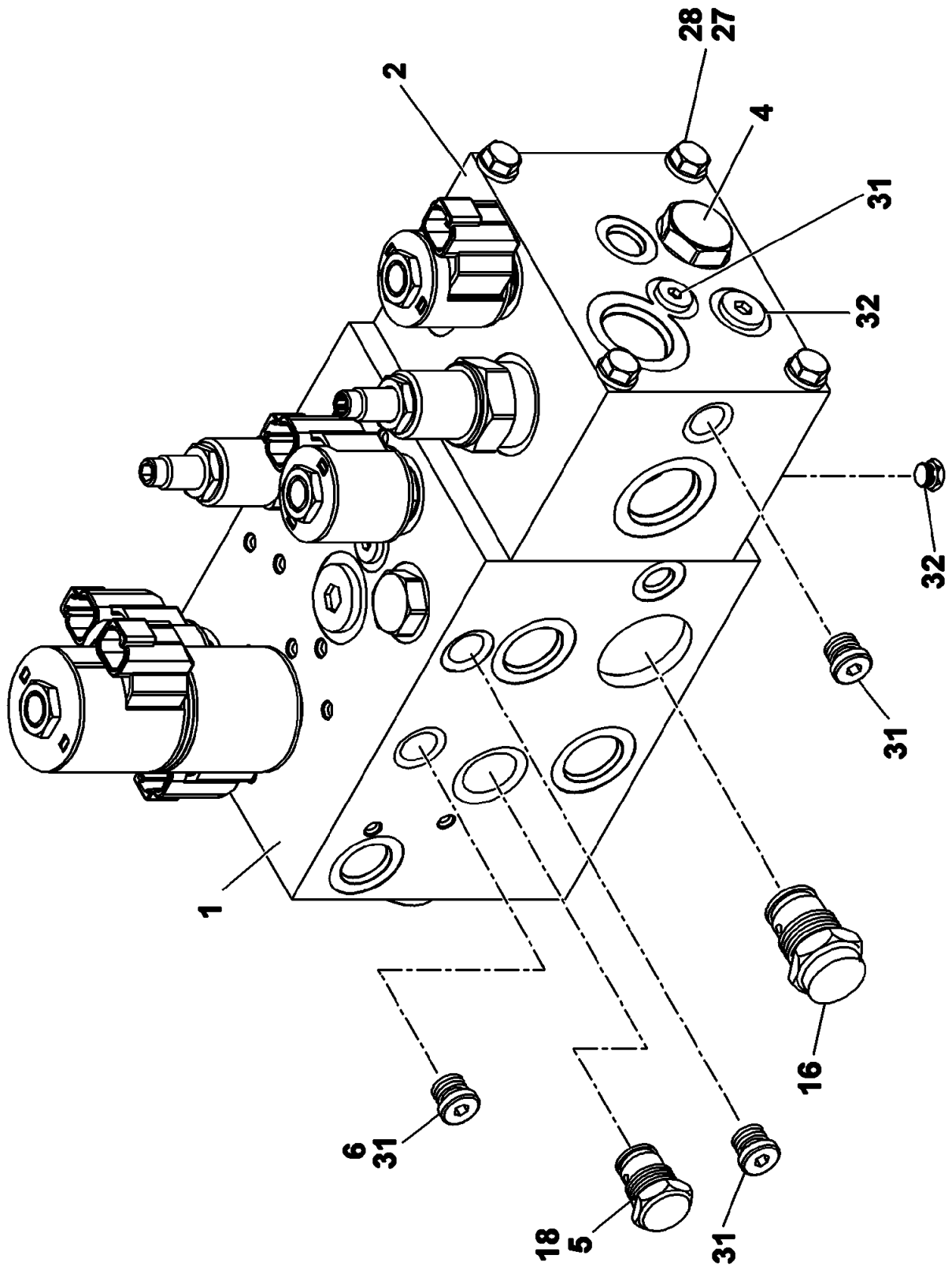
Revision:

Item	FN	Part	Qty	Description
1		NSS	1	BODY, MANIFOLD
2		9926110708	1	CARTRIDGE
				INCLUDES THE FOLLOWING PARTS
		9752100994	1	KIT, REPAIR
3		9926112931	1	COIL, 12V.
4		9926107745	1	NUT

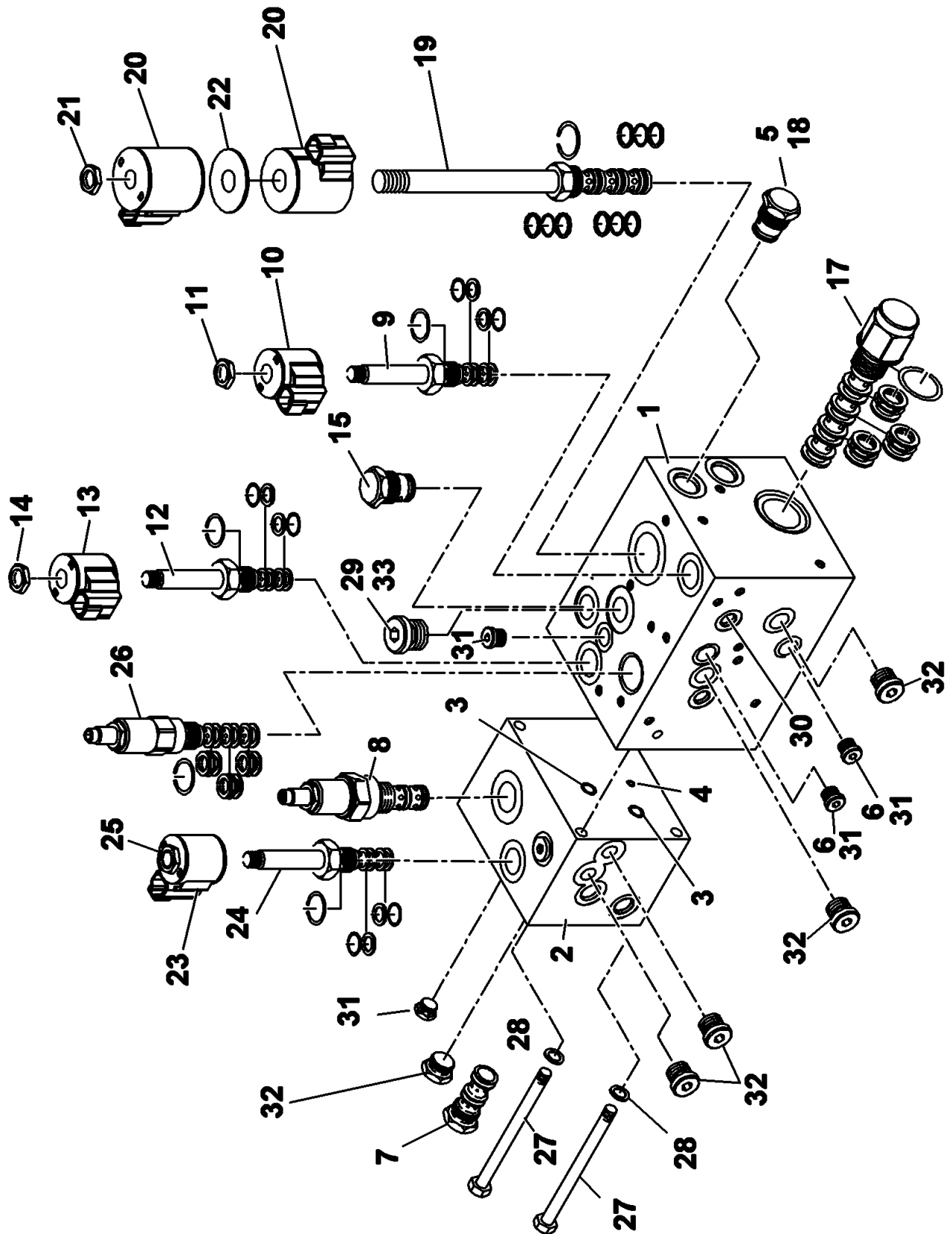
Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description O/R REAR STEER VALVE				Assembly No. 80013636 Revision:
Item	FN	Part	Qty	Description
1		NSS	1	MANIFOLD BLOCK
2		NSS	1	MANIFOLD BLOCK
3		9926113181	2	O-RING
4		9926113182	1	O-RING
5		9926113183	2	PISTON, PILOT
6		9926113184	3	VALVE, CARTRIDGE SHUTTLE INCLUDES THE FOLLOWING PARTS
		9926113185	1	KIT, SEAL
7		9926113169	1	VALVE, SHUTTLE INCLUDES THE FOLLOWING PARTS
		9926113170	1	KIT, SEAL
8		9926113186	1	VALVE,PRESS.REDUCING @2500PSI INCLUDES THE FOLLOWING PARTS
		9926113187	1	KIT, SEAL
9		9926106474	1	VALVE, CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926108423	1	KIT, SEAL
		9926107745	1	NUT
10		9926112931	1	COIL, 12V.
11		9926107745	1	NUT
12		9926110630	1	VALVE INCLUDES THE FOLLOWING PARTS
		9752101039	1	KIT, REPAIR
13		9926112931	1	COIL, 12V.
14		9926107745	1	NUT
15		9926113089	1	VALVE, CHECK CARTRIDGE INCLUDES THE FOLLOWING PARTS
		9926108644	1	KIT, SEAL
16		9926111878	1	VALVE, CHECK INCLUDES THE FOLLOWING PARTS
		9926105593	1	KIT, REPAIR
17		9926112992	1	VALVE, CARTRIDGE DIRECTIONAL INCLUDES THE FOLLOWING PARTS
		9926112997	1	KIT, SEAL
18		9926113193	2	VALVE ASSY. CHECK INCLUDES THE FOLLOWING PARTS
		9752100944	1	KIT, REPAIR
19		9926111720	1	VALVE ASSEMBLY - SOLENOID 12 VOLT

Manitowoc Cranes

Description

O/R REAR STEER VALVE

Assembly No.

80013636

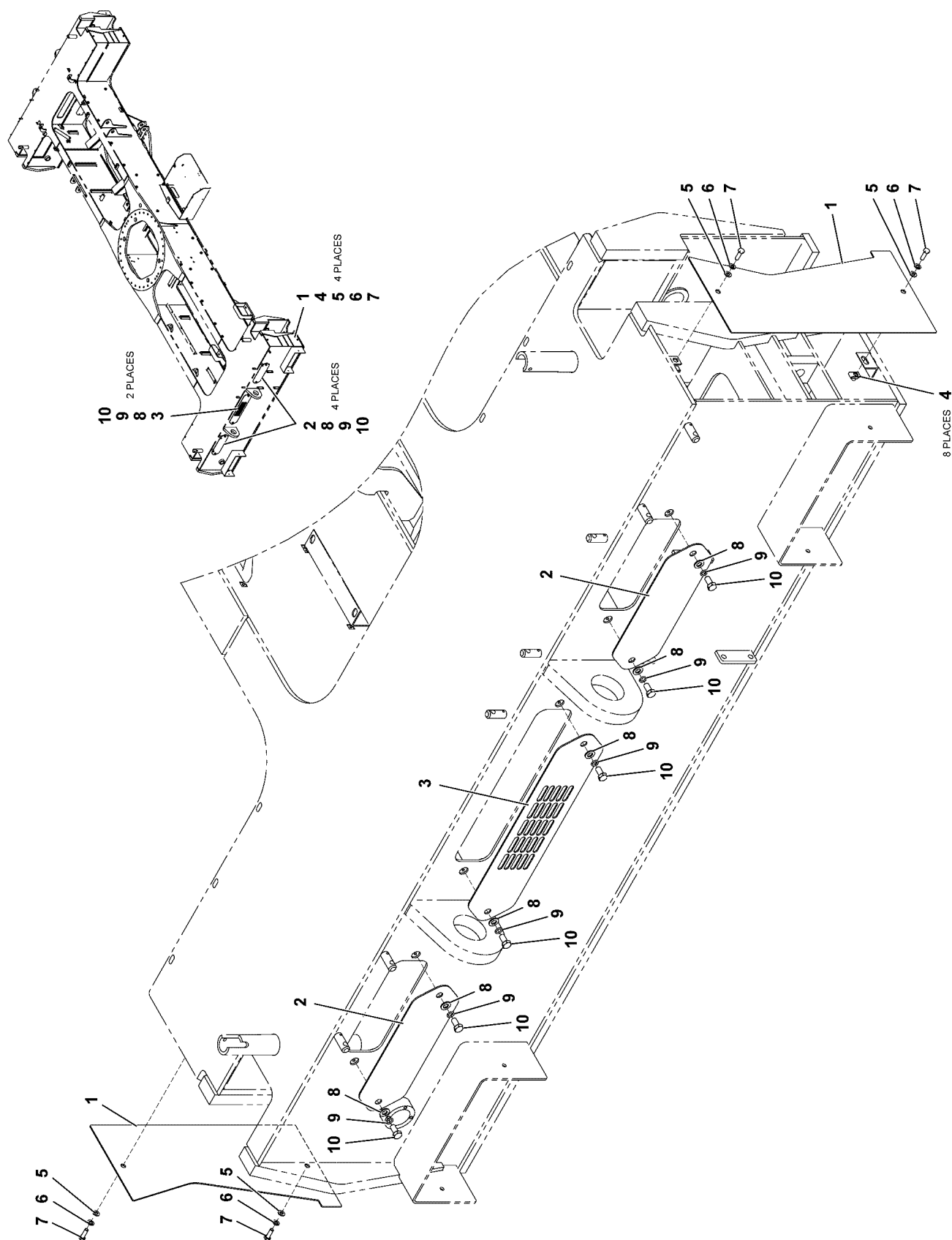
Revision:

Item	FN	Part	Qty	Description
				INCLUDES THE FOLLOWING PARTS
		9926111719	1	KIT, SEAL
20		9926112936	2	COIL, 12V.
21		9926107745	1	NUT
22		90018312	1	SPACER
23		9926113194	1	VALVE ASSY. CARTRIDGE
				INCLUDES THE FOLLOWING PARTS
		9926113195	1	KIT, SEAL
24		9926112931	1	COIL, 12V.
25		9926107745	1	NUT
26		90018313	1	VALVE, CART RELIEF @ 500 PSI
				INCLUDES THE FOLLOWING PARTS
		9926108124	1	KIT, REPAIR
27		9926113196	4	CAPSCREW
28		9926113197	4	WASHER
29		9926113297	1	PLUG, ORIFICE .076
30		9926113296	1	PLUG, ORIFICE .261
31		9926111747	7	PLUG, PORT
				INCLUDES THE FOLLOWING PARTS
		9926111748	1	O-RING
32		9926111396	7	PLUG
33		9926113295	1	PLUG #10
				INCLUDES THE FOLLOWING PARTS
		7755910002	1	O-RING
34		9926113294	2	PLUG

Manitowoc Cranes

Notes

Manitowoc Cranes



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Description

COVER INSTALLATION - OUTRIGGER BOX

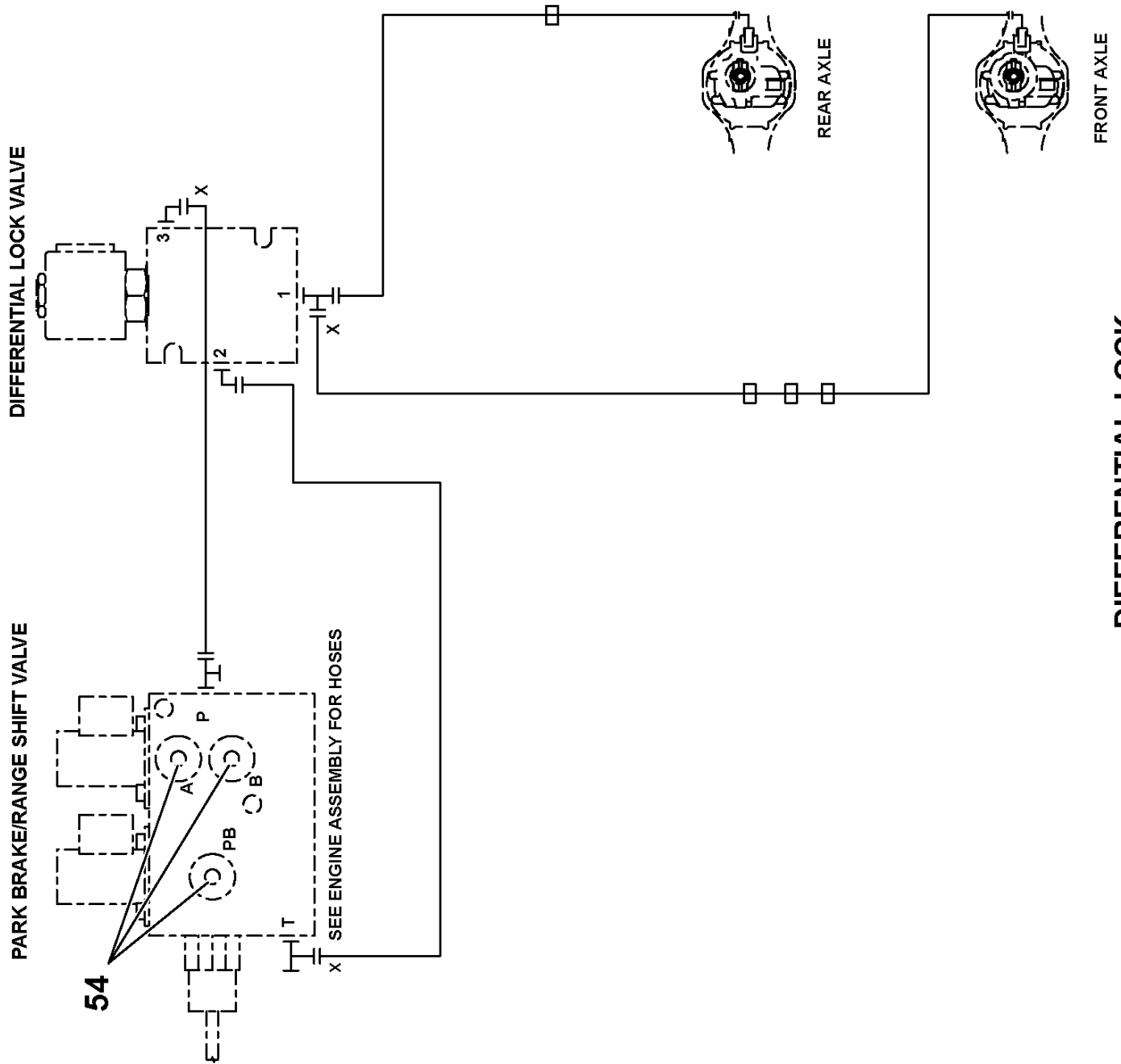
Assembly No.

2159110160

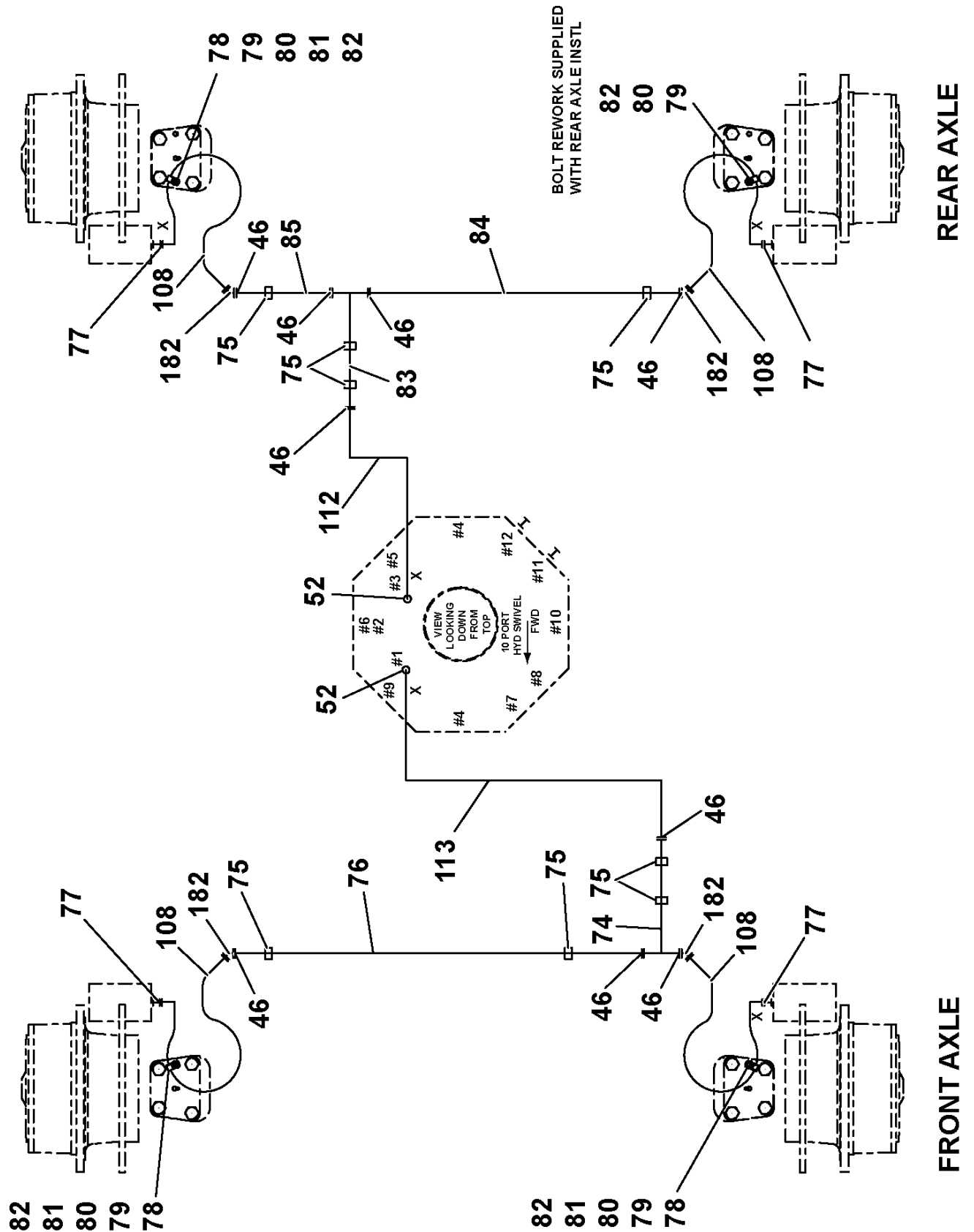
Revision: #

Item	FN	Part	Qty	Description
1		4159110300	4	PLATE, COVER
2		4159110298	4	PLATE, COVER
3		4159110299	2	PLATE, COVER
4		7659190020	8	NUT, RETAINING 8 X 1.25
5		7951170014	8	WASHER, FLAT #8
6		7951170210	8	WASHER, LOCK 8MM
7		7126171253	8	CAP SCREW, M8X25 HEX HEAD
8		7951210014	12	WASHER, FLAT #12
9		7951210210	12	LOCK WASHER, 12MM I.D.
10		7126211253	12	CAP SCREW, M12 X 25MM HEX HEAD

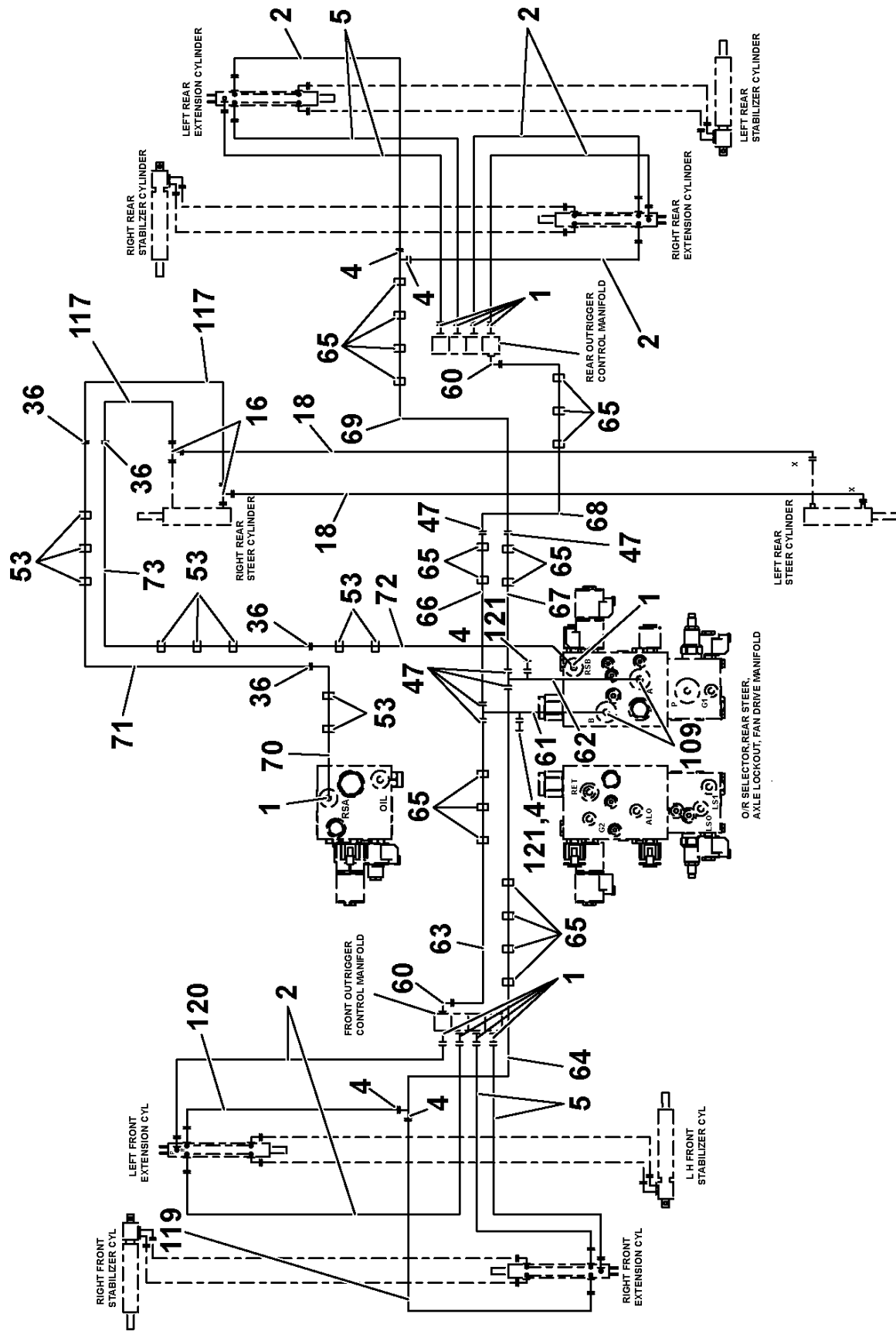
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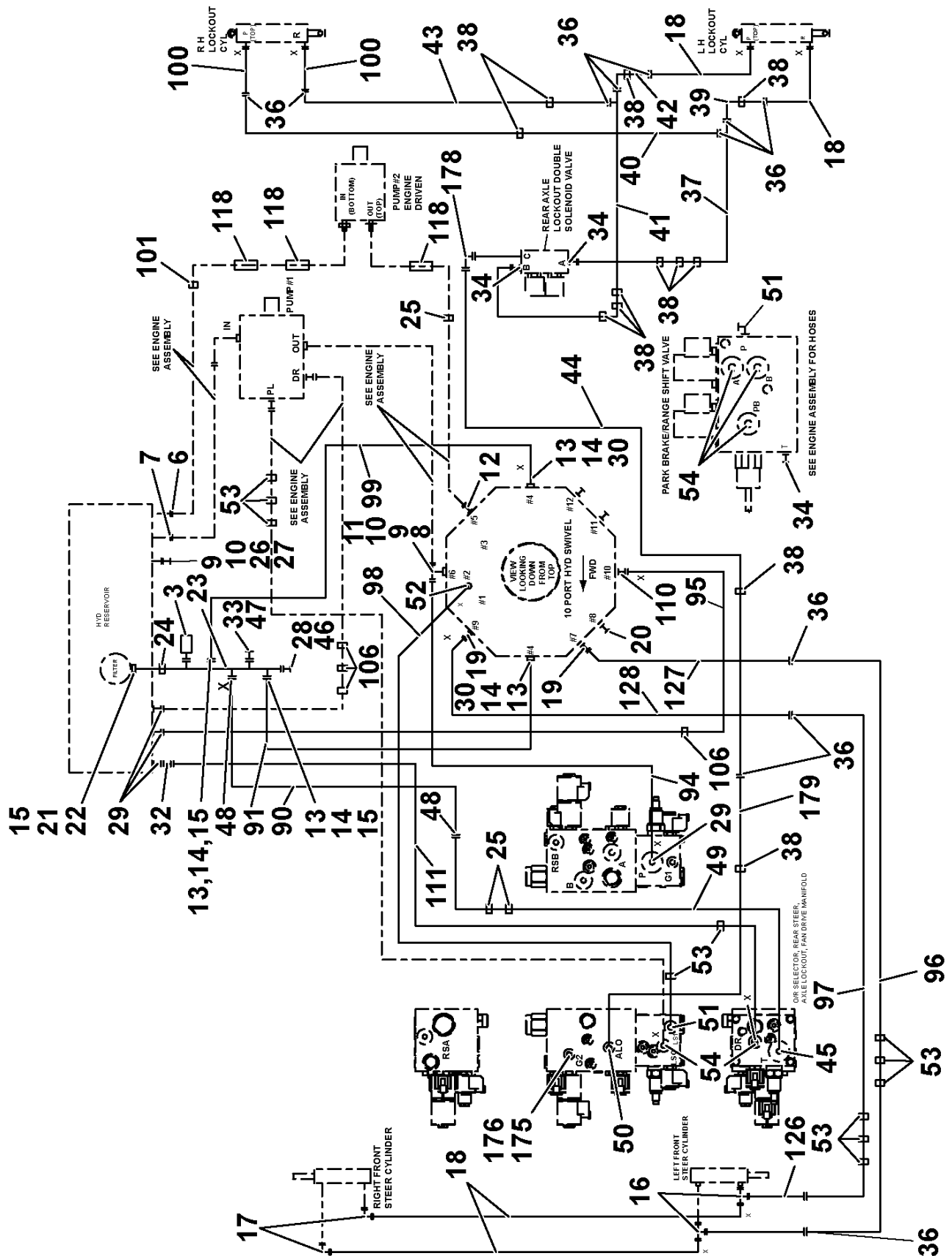
Manitowoc Cranes



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Manitowoc Cranes



Manitowoc Cranes

Description HYDRAULIC LINES INSTALLATION				Assembly No. 80019282 Revision: C
Item	FN	Part	Qty	Description
1		7447080801	10	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
2		7555306000	6	HOSE ASSY, 1/2" I.D. X 60" LONG
3		7872100171	1	SWITCH, 190 TEMPERATURE (N.C.)
4		7755014002	6	O-RING
5		7555307200	4	1/2" I.D. X 72" LONG
6		7300100024	1	CLAMP, T-BOLT 1.75" NOM
7		80011312	1	CLAMP, BENT T-BOLT 3.00" NOM
8		7888100000	1	TEE, SPLIT FLANGE BRANCH
9	#	7450000188	4	SPLIT FLANGE HALF, 1 1/4"
10		7755222002	2	O-RING
11		7126191450	4	CAP SCREW, M10 X 35MM HEX HEAD
12		7447121208	1	ELBOW, 45 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
13	#	7450000102	6	FLANGE, SPLIT
14		7755225002	3	O-RING
15		7115181250	8	CAP SCREW, 1/2" - 13 N.C. X 1 1/2" GRADE 5
16		7447060634	4	TEE, FEMALE RUN INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
17		7447060633	2	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
18		7555202401	6	HOSE ASSY, 3/8 ID X 24" LONG
19		7447060801	2	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755908002	1	O-RING
20		7709000038	1	O-RING PLUG #8 INCLUDES THE FOLLOWING PARTS
		7755908002	1	O-RING
21		7450000103	2	FLANGE, SPLIT

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description HYDRAULIC LINES INSTALLATION				Assembly No. 80019282 Revision: C
Item	FN	Part	Qty	Description
22		7755228002	1	O-RING, 2"
23		7910101465	1	TUBE ASSY, RETURN MANIFOLD
24		7300000408	1	CLAMP, TUBING
25		7300000404	3	CLAMP, 1" TUBING
26		7450000401	1	PLUG
27		7115171250	4	CAP SCREW, 7/16" - 14 N.C. X 1 1/2" GRADE 5
28		7447040416	1	CAP ASSY, FEMALE ORS THREAD
29		7447121201	4	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
30		7126211450	8	CAP SCREW, M12 X 35MM HEX HEAD
32		7447120413	2	REDUCER
33		7447121216	1	CAP, 3/4 ORS
34		7447060601	3	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
36		7755012002	17	O-RING
37		7910101588	1	TUBE ASSY, ALO P2 TO TEE
38		7300000399	12	CLAMP, TUBING 3/8" I.D.
39		7910101509	1	TUBE ASSY, ALO P2 SHORT
40		7910101510	1	TUBE ASSY, ALO P2 LONG
41		7910101587	1	TUBE ASSY, ALO P1 TO TEE
42		7910101507	1	TUBE ASSY, ALO P1 SHORT
43		7910101508	1	TUBE ASSY, ALO P1 LONG
44		80009830	1	TUBE ASSY
45		7447161203	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
46		7755011002	9	O-RING
47		7755018002	7	O-RING
48		7755021002	2	O-RING

Manitowoc Cranes

Description HYDRAULIC LINES INSTALLATION				Assembly No. 80019282 Revision: C
Item	FN	Part	Qty	Description
49		7910101490	1	TUBE ASSY,SEL VALV TO RET MANI
50		7447060401	1	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
51		7447040603	2	FITTING, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
52		7447040401	3	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
53		7300000400	21	CLAMP, TUBING
54		7447040601	5	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
60		7447120803	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755908002	1	O-RING
61		7910101472	1	TUBE ASSY, SEL TO TEE EXT
62		7910101473	1	TUBE ASSY, SEL TO TEE RET
63		7910101474	1	TUBE ASSY, TEE TO STACK FRT
64		7910101475	1	TUBE ASSY, TEE TO HOSE RET FRT
65		7300000402	18	CLAMP, TUBING
66		7910101476	1	TUBE ASSY,TEE TO TUBE EXT REAR
67		7910101478	1	TUBE ASSY,TEE TO TUBE RET REAR
68		7910101477	1	TUBE ASSY, TUBE TO STACK REAR
69		7910101479	1	TUBE ASSY, TUBE TO HOSE RET RE
70		7910101470	1	TUBE ASSY, VALVE TO TUBE RSA
71		7910101471	1	TUBE ASSY, HOSE TO TUBE RSA
72		7910101468	1	TUBE ASSY, VALVE TO TUBE RSB
73		7910101469	1	TUBE ASSY, HOSE TO TUBE RSB
74		7910101571	1	TUBE ASSY,BRAKE HOSE TO TUBE F
75		7300000397	8	CLAMP, TUBING 1/4" I.D.
76		7910101572	1	TUBE ASSY,BRAKE TUBE SHORT FRT

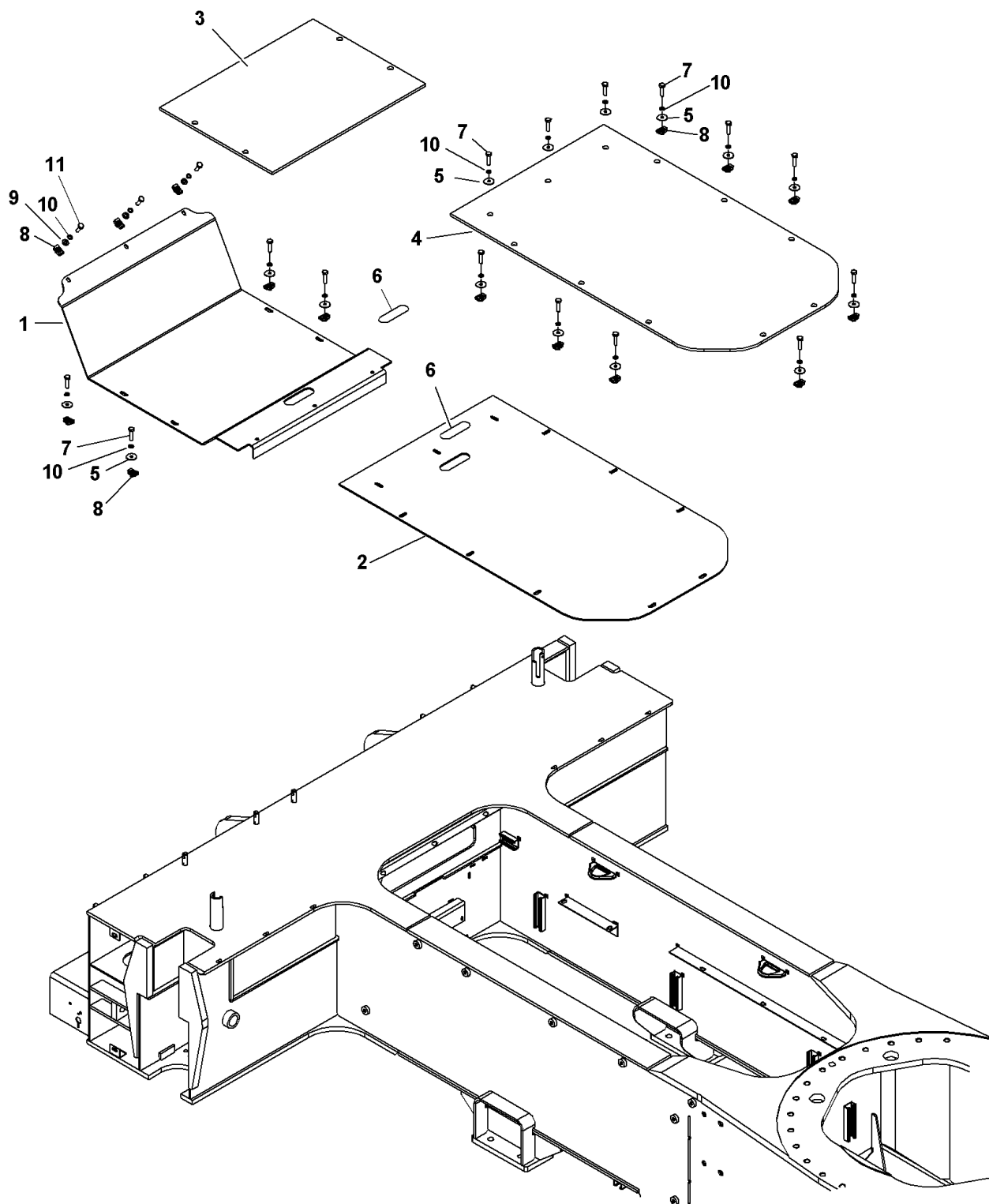
Manitowoc Cranes

Description HYDRAULIC LINES INSTALLATION				Assembly No. 80019282 Revision: C
Item	FN	Part	Qty	Description
77		7447040501	4	ADAPTER, STRAIGHT
78		6099001190	3	BOLT, MODIFIED
79		7300000101	4	CLAMP, TUBING 1/2" I.D.
80		7950140050	4	WASHER, LOCK 1/4"
81		7950180050	3	WASHER, LOCK 1/2" I.D.
82		7660140000	4	NUT, HEX 1/4" - 20 N.C.
83		7910101496	1	TUBE ASSY,BRK TUBE TO TEE REAR
84		7910101570	1	TUBE ASSY,BRAKE TUBE REAR LONG
85		7910101569	1	TUBE ASSY,BRAKE TUBE REAR SHRT
90		7555603591	1	HOSE ASSY, 1.00 DIA
91		7546803793	1	HOSE ASSY
94		7555502761	1	3/4" I.D. HYDR HOSE ASSY STR-9
95		7555507491	1	HOSE ASSY, .75 DIA
96		7910101640	1	TUBE ASSY, FRONT STEER
97		7910101639	1	TUBE ASSY, FRONT STEER
98		7555104623	1	HOSE ASSY, .25 DIA
99		7546802393	1	HOSE ASSY, 1 1/2" I.D.X 23"
100		7555202801	2	HOSE ASSY, 3/8"I.D. X 28" LONG
101		7300000407	1	CLAMP, TUBING 1 3/4" I.D.
106		7300000405	4	CLAMP, TUBING
108		7555104201	4	HOSE ASSY, USE AS REQUIRED 1/4" I.D. X 42" LONG
109		7447121001	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755910002	1	O-RING
110		7447121601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755916002	1	O-RING
111		7555105401	1	HOSE ASSY, USE AS REQUIRED 1/4" I.D. X 54"
112		7555101801	1	HOSE ASSY, USE AS REQUIRED 1/4" I.D. X 18"

Manitowoc Cranes

Description HYDRAULIC LINES INSTALLATION				Assembly No. 80019282 Revision: C
Item	FN	Part	Qty	Description
113		7555102801	1	HOSE ASSY, 1/4"I.D. X 28"LONG
117		7555201802	2	3/8" I.D. X 18"
118		7814100078	3	GUARD, 4 INCH HOSE
119		7555306500	1	HOSE ASSY, 1/2"I.D. X 65" LONG
120		7555304500	1	HOSE ASSY, 1/2"I.D. X 45"LONG
121		7447080816	2	CAP
126		7555202400	2	HOSE ASSY, 3/8"I.D. X 24" LONG
127		7555202000	1	3/8" I.D. X 20"
128		7555202101	1	HOSE ASSY, 3/8"I.D. X 21" LONG
175		7447060403	1	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755904002	1	O-RING
176		7443100140	1	COUPLING, 3/8" TEST PORT INCLUDES THE FOLLOWING PARTS
		9447100041	1	CAP, DUST - DIAGNOSTIC
178		7447060603	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755012002	1	O-RING
		7755906002	1	O-RING
179		7910101672	1	TUBE ASSY SEL AXLE LO P3
182		7447040446	4	ADAPTER - 45 DEGREE

Manitowoc Cranes



Manitowoc Cranes

Description

TRAY INSTALLATION - STORAGE (WITH MAT)

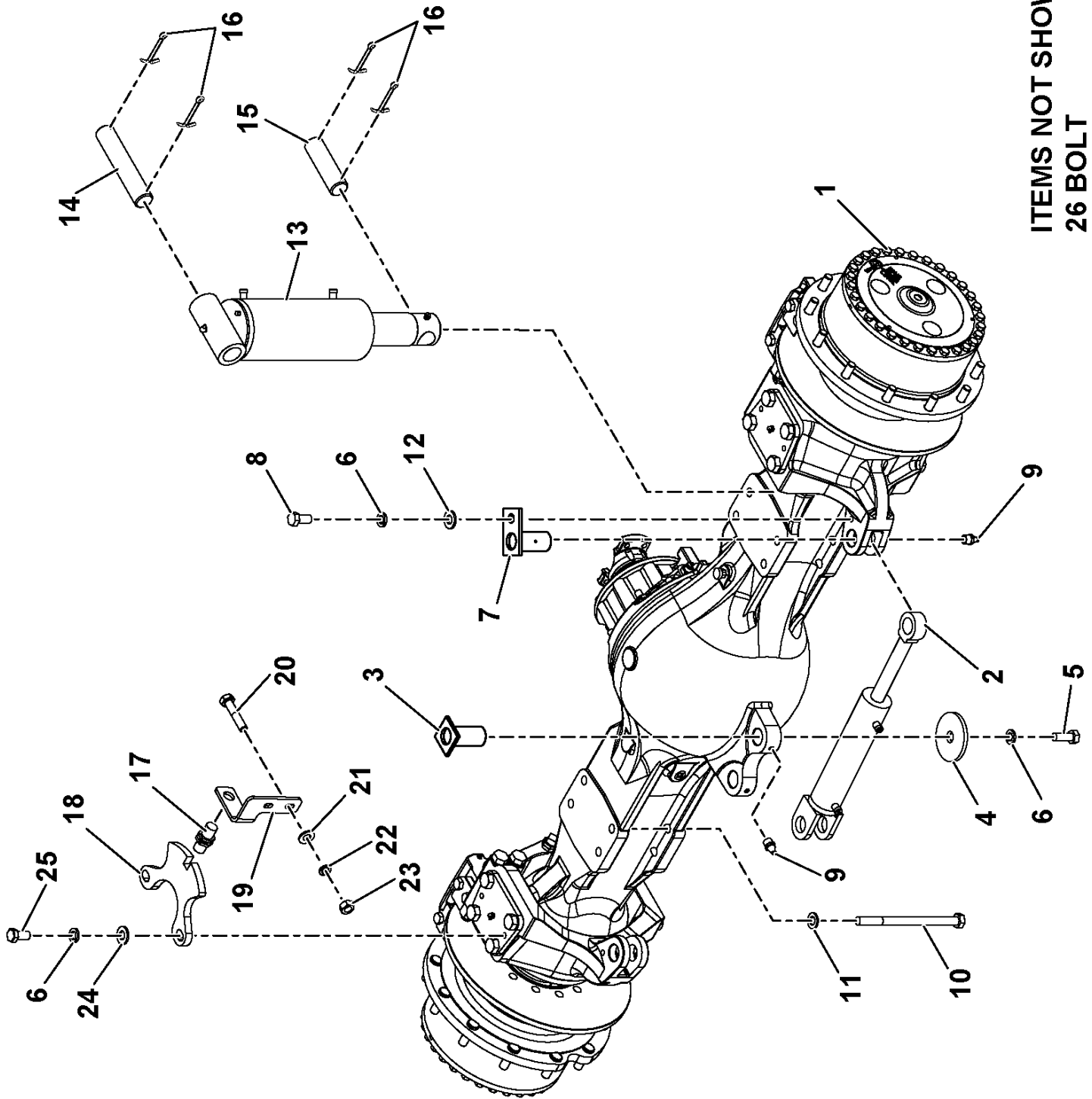
Assembly No.

2159110149

Revision: **E**

Item	FN	Part	Qty	Description
1		2159110150	1	TRAY, FRONT
		7662190100	3	INCLUDES THE FOLLOWING PARTS WELD NUT, M10X1.5
2		2159110151	1	TRAY, REAR
3		7814100084	1	MAT, FRONT STORAGE TRAY
4		7814100085	1	MAT, REAR STORAGE TRAY
5		7950160161	15	WASHER, FLAT WIDE 3/8
7		7126191550	15	CAP SCREW, M10 X 40MM HEX HEAD
8		7659190033	15	NUT, RETAINING
9		7951190014	3	FLAT WASHER, 10MM I.D.
10		7951190210	18	LOCK WASHER, 10MM
11		7126191353	3	CAP SCREW, M10 X 30MM HEX HEAD
12		80016241	15	SPACER, NYLON

Manitowoc Cranes



ITEMS NOT SHOWN NBR
26 BOLT

Manitowoc Cranes

Description				Assembly No.
REAR AXLE INSTALLATION W/O DIFF LOCK				80019049
				Revision: B
Item	FN	Part	Qty	Description
1	+	7049101487	1	AXLE ASSEMBLY - DRIVE/STEER (COMPLETE ASSEMBLY)
2	+	7372100250	2	CYLINDER ASSEMBLY - 2 1/2" STEER (COMPLETE ASSEMBLY)
3		6689100036	2	PIN
4		7949000148	2	WASHER, 5/8" I.D. FLAT
5		7115181050	2	CAP SCREW, 1/2" - 13 N.C. X 1 1/4" GRADE 5
6		7950180050	6	WASHER, LOCK 1/2" I.D.
7		6689100025	2	PIN
8		7105180850	2	CAP SCREW, 1/2" - 20 N.F. X 1" GRADE 5
9		7440000000	4	FITTING, 1/8 STRAIGHT GREASE
10		7127274050	8	CAP SCREW, M20X280 -10.9 HH
11		7949000236	8	FLAT WASHER, 3/4"
12		7950180141	2	WASHER, FLAT 1/2"
13	+	7372100255	2	CYLINDER ASSEMBLY - 5" LOCKOUT (COMPLETE ASSEMBLY)
14		6689100142	2	PIN, LOCK OUT CYLINDER
15		6689100141	2	PIN, LOCK OUT CYLINDER
16		7690144010	8	PIN, COTTER
17		80017319	1	SWITCH ASSY, PROXIMITY NORMALLY OPEN (MODIFIED)
		80017317	1	INCLUDES THE FOLLOWING PARTS SWITCH, PROXIMITY NORMALLY OPEN
		7892100010	1	RECEPTACLE, DTM-3P
		7689100033	3	PIN
		7172100003	1	BOOT-DTM3P-RECP
		8594000019	1	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
18		80017852	1	PLATE SENSOR
19		80017851	1	BRACKET
20		7126171450	2	CAP SCREW, M8X35-8.8 HEX HEAD
21		7951170014	2	WASHER, FLAT #8
22		7951170210	2	WASHER, LOCK 8MM
23		7661170003	2	NUT

+ SEE FURTHER BREAKDOWN THIS GROUP

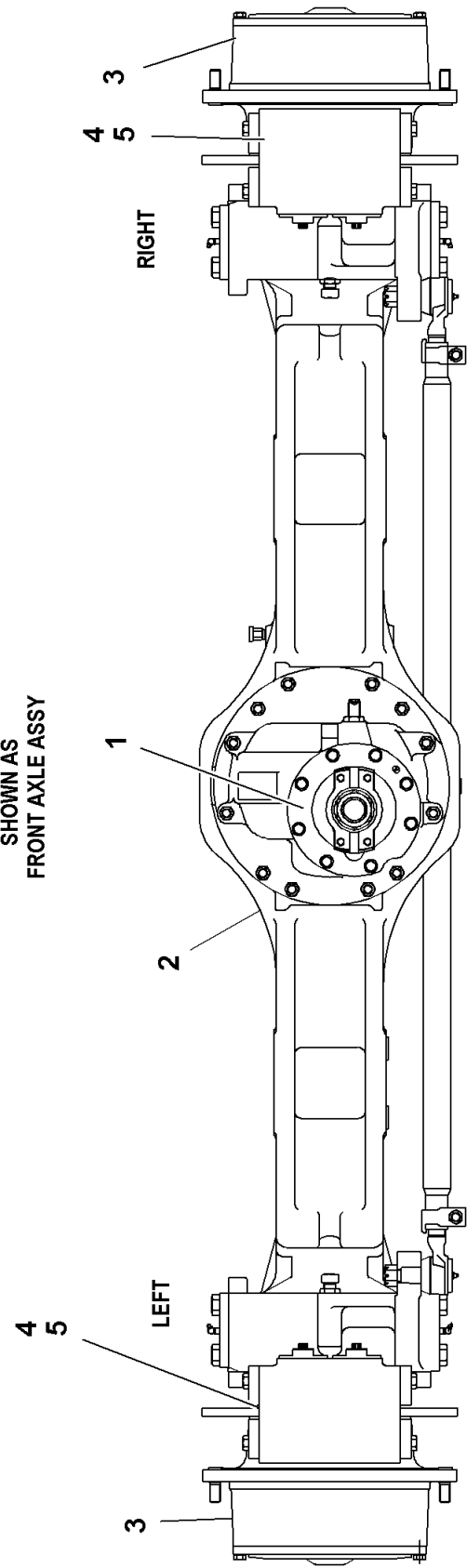
Manitowoc Cranes

Description				Assembly No.
REAR AXLE INSTALLATION W/O DIFF LOCK				80019049
				Revision: B
Item	FN	Part	Qty	Description
24		7950180141	2	WASHER, FLAT 1/2"
25		7115180850	1	CAP SCREW, 1/2"-13 UNC X 1"
26		80019087	1	BOLT

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

AXLE ASSEMBLY - DRIVE/STEER (COMPLETE ASSEMBLY)

Assembly No.

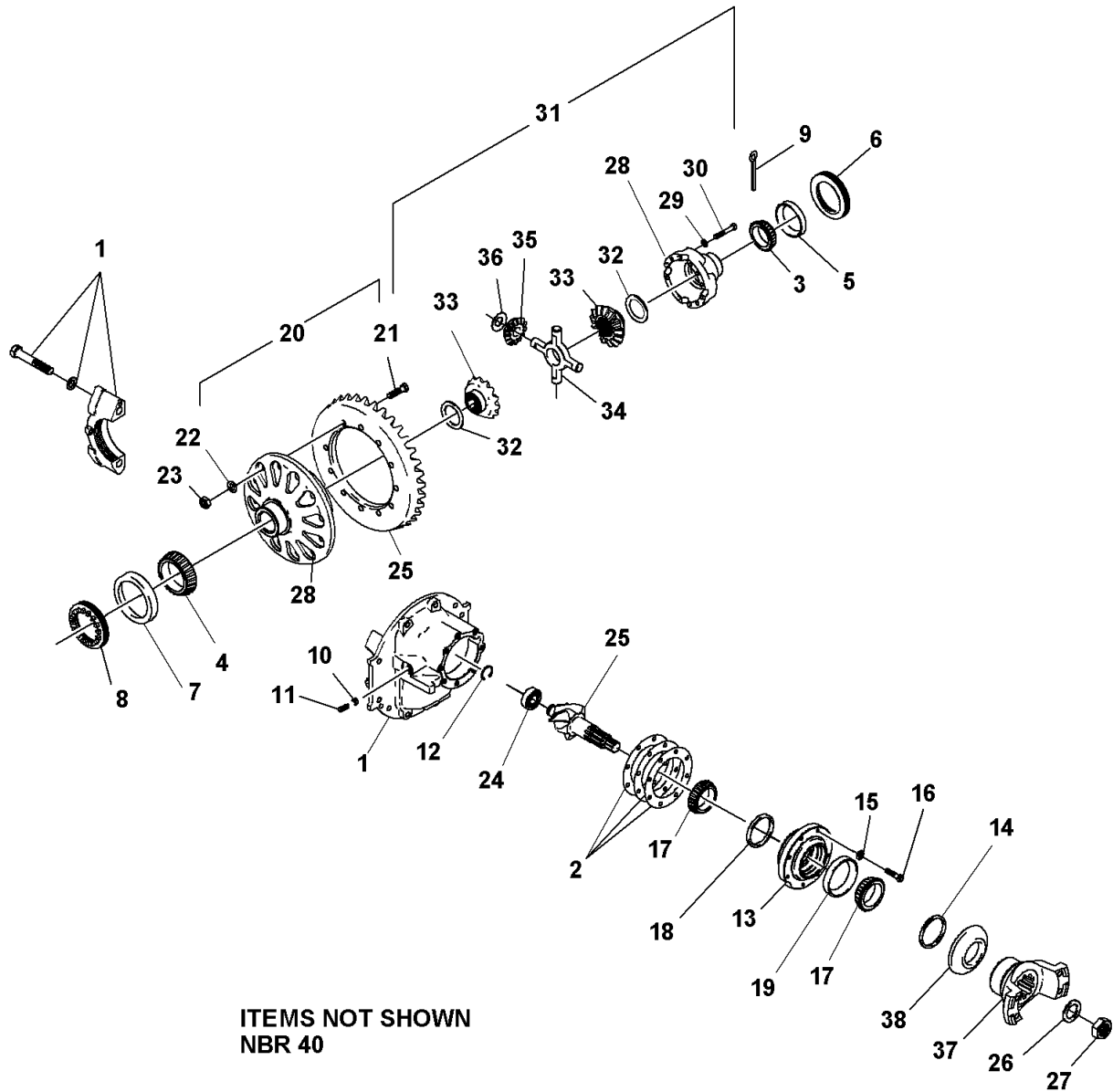
7049101487

Revision:

Item	FN	Part	Qty	Description
1	+	9049112776	1	DIFF. CARRIER GROUP
2	+	9049112778	1	HOUSING GROUP
3	+	9049112780	1	HUB & SHAFT GROUP
4	+	9049112516	1	BRAKE GROUP
5	+	9049112523	1	BRAKE ASSEMBLY, GROUP

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description DIFF. CARRIER GROUP				Assembly No. 9049112776 Revision:
Item	FN	Part	Qty	Description
1		9049112762	1	HOUSING, DIFF. W/CAP ASSY.
2		9049112763	1	KIT, SHIM
3		9049112264	1	CONE, BEARING
4		9049112264	1	CONE, BEARING
5		9049112263	1	CUP, BEARING
6		9049108971	1	RING, ADJUSTING
7		9049112263	1	CUP, BEARING
8		9049108971	1	RING, ADJUSTING
9		9049112764	2	SCREW
10		9049109021	1	SCREW, THRUST
11		9049109022	1	NUT, JAM
12		9049101600	1	RING, RETAINING
13		9049112639	1	CAGE ASSY. PINION INCLUDES THE FOLLOWING PARTS
		9049100895	1	OUTER
		9049100535	1	CUP, BEARING
		9049112786	1	SEAL, OIL
14		9049112786	1	SEAL, OIL
15		9049111037	8	WASHER,
16		9049108332	8	CAP SCREW,
17		9049109690	1	CONE, BEARING
18		9049108952	1	KIT, SPACER
19		9049108948	1	CONE, BEARING
20		9049108966	1	KIT, HARDWARE INCLUDES 21 THRU 23
21		9049108967	12	CAP SCREW,
22		9049101705	12	WASHER, LOCK
23		9049111517	12	NUT
24		9049104578	1	BEARING
25		9049111750	1	GEAR ASSEMBLY, BEVEL 5.57:1
26		9049104393	1	FLATWASHER
27		9049111513	1	LOCKNUT
28		9049112766	1	CASE ASSY. DIFF. INCLUDES BOTH CASE HALFS AND ITEMS 29 AND 30

Manitowoc Cranes

Description

DIFF. CARRIER GROUP

Assembly No.

9049112776

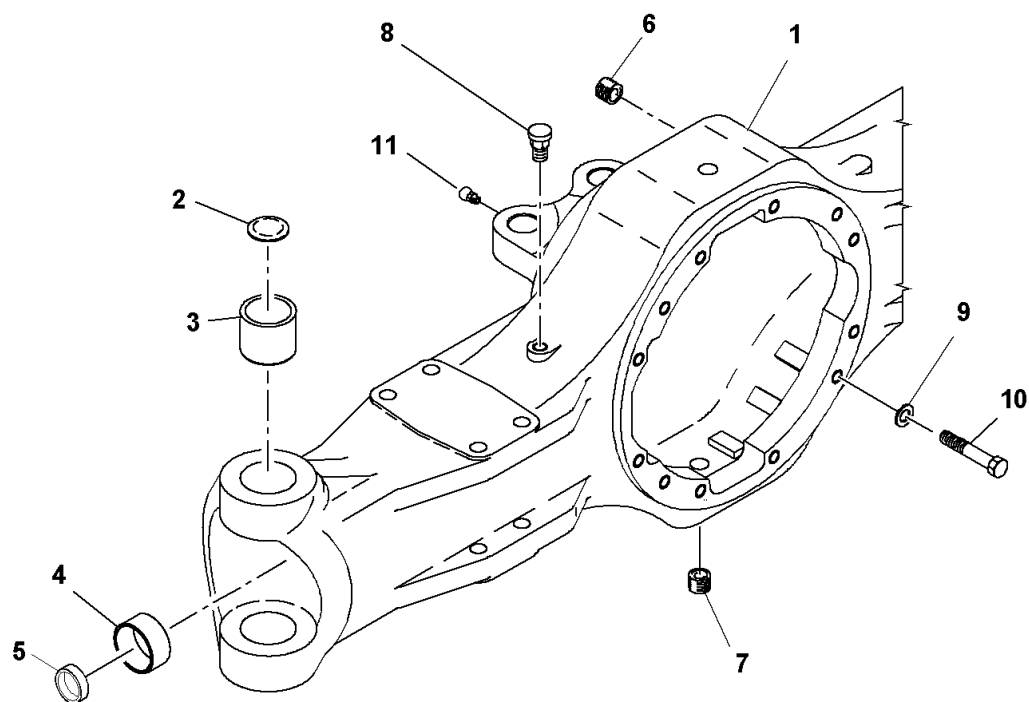
Revision:

Item	FN	Part	Qty	Description
29		9049111037	16	WASHER,
30		9049111509	16	SCREW,
31		9049112767	1	KIT, DIFF INCLUDES ITEMS 32 THRU 36
32		9049112768	2	WASHER, THRUST
33		9049109699	2	GEAR, SIDE
34		9049109751	1	SPIDER
35		9049108965	4	PINION
36		9049112769	4	WASHER, THRUST
37		9049112432	1	YOKE ASSY. INCLUDES ITEM 38
38		9049112096	1	DEFLECTOR
40		9049112777	1	DIFF.CARRIER ASSY.@ 5.57 RATIO INCLUDES ITEMS 1 THRU 36

Manitowoc Cranes

Notes

Manitowoc Cranes



STEER END
STYLE BOTH ENDS

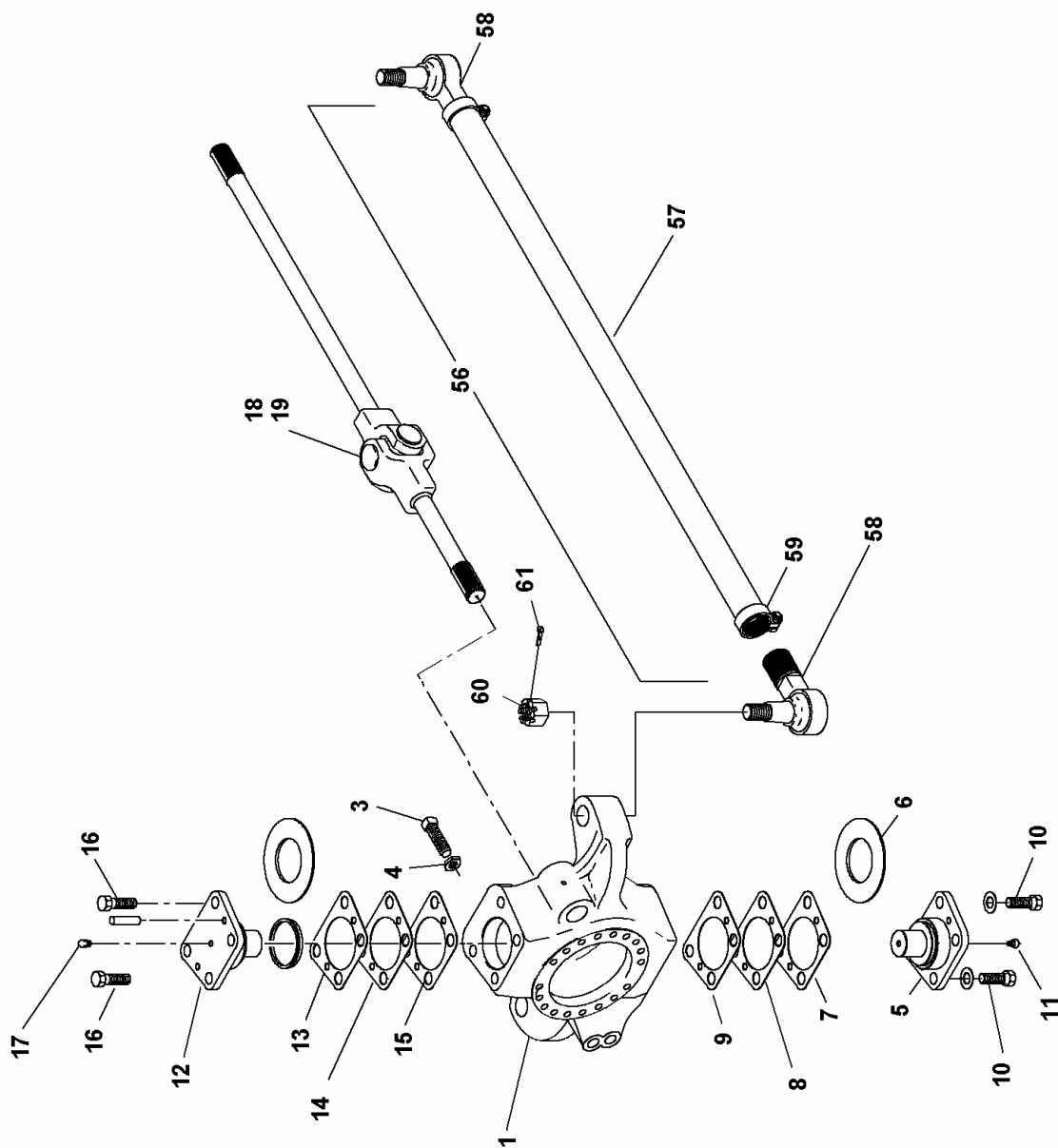
Manitowoc Cranes

Description HOUSING GROUP				Assembly No. 9049112778 Revision:
Item	FN	Part	Qty	Description
1		9049112779	1	HOUSING, ASSY. AXLE INCLUDES ITEMS 2 THRU 7
2		9049102254	4	PLUG, EXPANSION
3		9049102253	4	BUSHING
4		9049112682	2	BUSHING
5		9049112781	2	SEAL
6		9049112771	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		9049112889	1	O-RING
7		9049112771	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		9049112889	1	O-RING
8		9049112686	1	BREATHER
9		9049101705	16	WASHER, LOCK
10		9049110385	12	SCREW,
10		9049111473	4	SCREW,
11		7440000000	2	FITTING, 1/8 STRAIGHT GREASE

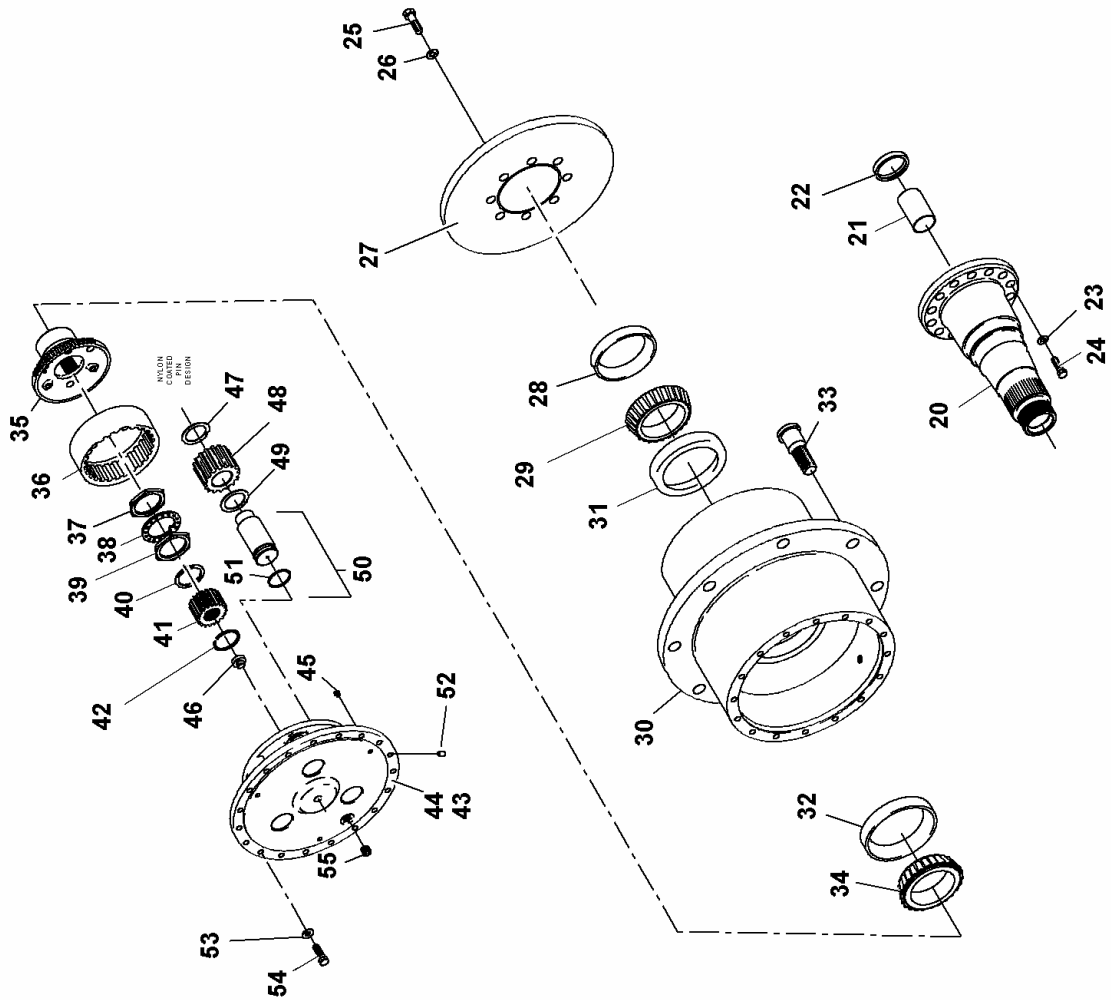
Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description HUB & SHAFT GROUP				Assembly No. 9049112780 Revision:
Item	FN	Part	Qty	Description
1		9049110932	1	KNUCKLE, STEERING -RIGHT HAND KNUCKLE ON THIS ASSY. PARTS LIST WAS WORKED AS A FRONT AXLE
1		9049107133	1	KNUCKLE ASSY. STEERING -LEFT HAND KNUCKLE ON THIS ASSY. PARTS LIST WAS WORKED AS A FRONT AXLE
3		9049106456	2	SCREW, STOP
4		9049101497	4	NUT, JAM
5		9049107137	2	CAP LOWER
6		9049101673	2	WASHER, THRUST
7		9049107134	6	SHIM, .003" ITEMS 7 THRU 9 ARE TO BE USED AS REQUIRED
8		9049107135	4	SHIM, .005"
9		9049107136	2	SHIM, .020"
10		9049103595	8	CAP SCREW,
11		9049103562	2	FITTING, GREASE
12		9049107138	2	CAP UPPER
13		9049107134	6	SHIM, .003" ITEMS 13 THRU 15 ARE TO BE USED AS REQUIRED
14		9049107135	4	SHIM, .005"
15		9049107136	2	SHIM, .020"
16		9049103595	8	CAP SCREW,
17		9049103562	2	FITTING, GREASE
18		9049111754	1	AXLE SHAFT ASSY. 44.34" LG
		9049109733	1	INCLUDES THE FOLLOWING PARTS BEARING ASSEMBLY, U JOINT
19		9049111756	1	AXLE SHAFT ASSY. 48.69" LG
		9049109733	1	INCLUDES THE FOLLOWING PARTS BEARING ASSEMBLY, U JOINT

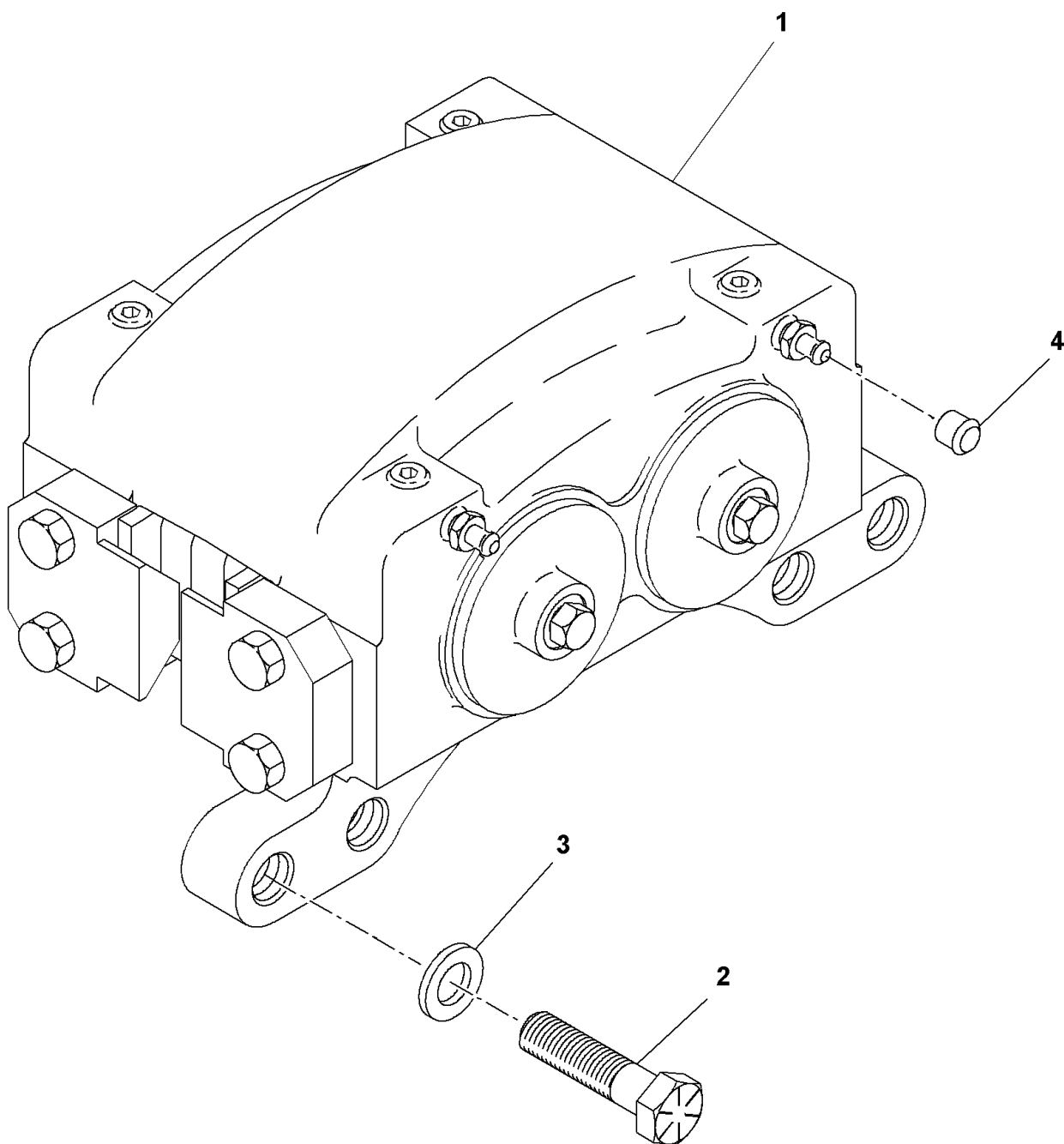
Manitowoc Cranes

Description HUB & SHAFT GROUP				Assembly No. 9049112780 Revision:
Item	FN	Part	Qty	Description
20		9049112782	2	SPINDLE ASSY.
21		9049112682	2	BUSHING
22		9049112781	2	SEAL
23		9049106450	36	WASHER, HARDENED
24		9049111753	36	CAP SCREW,
25		9049103927	24	CAP SCREW,
26		9049103739	24	WASHER, HARDENED
27		9049107129	2	DISC, BRAKE
28		9049112685	2	SEAL
29		9049101693	2	CONE, BEARING
30		9049107128	2	WHEEL HUB
31		9049101695	2	CUP, BEARING
32		9049101696	2	CUP, BEARING
33		9049101687	24	STUD
34		9049101694	2	CONE, BEARING
35		9049105562	2	HUB
36		9049103392	2	GEAR
37		9049112240	2	NUT
38		9049101704	2	WASHER, LOCK
39		9049101703	2	NUT, WHEEL BEARING
40		9049105580	2	THRUSTWASHER
41		9049101844	2	GEAR-20T
42		9274100125	2	RING, SNAP
43		9049107127	2	SPIDER ASSEMBLY
44		9049106034	2	SPIDER, W/ THRUST WASHERS
45		9049103565	6	BUTTON, THRUST
46		9049106791	2	BUTTON, THRUST
47		9049101847	6	WASHER, THRUST
48		9049101846	6	GEAR, PINION
49		9049101848	6	WASHER, THRUST
50		9049106490	6	SHAFT ASSEMBLY, PINION
51		9049106322	6	O-RING
52		9049105399	6	SET SCREW
53		9049101980	60	FLATWASHER

Manitowoc Cranes

<u>Description</u> HUB & SHAFT GROUP				<u>Assembly No.</u> 9049112780 Revision:
Item	FN	Part	Qty	Description
54		9049106579	60	CAP SCREW,
55		9049101920	2	PLUG, DRAIN (MAGNETIC)
56		9049109724	1	TIE ROD ASSEMBLY INCLUDES ITEMS 57 THRU 59
57		9049109725	1	CLAMP AND TIE ROD ASSEMBLY
58		9049109727	1	END, TIE ROD LEFT HAND THREAD
59		9049109726	1	END, TIE ROD RIGHT HAND THREAD
60		9049103033	2	NUT
61		9049109511	2	PIN, COTTER-END YOKE NUT

Manitowoc Cranes



Manitowoc Cranes

Description

BRAKE GROUP

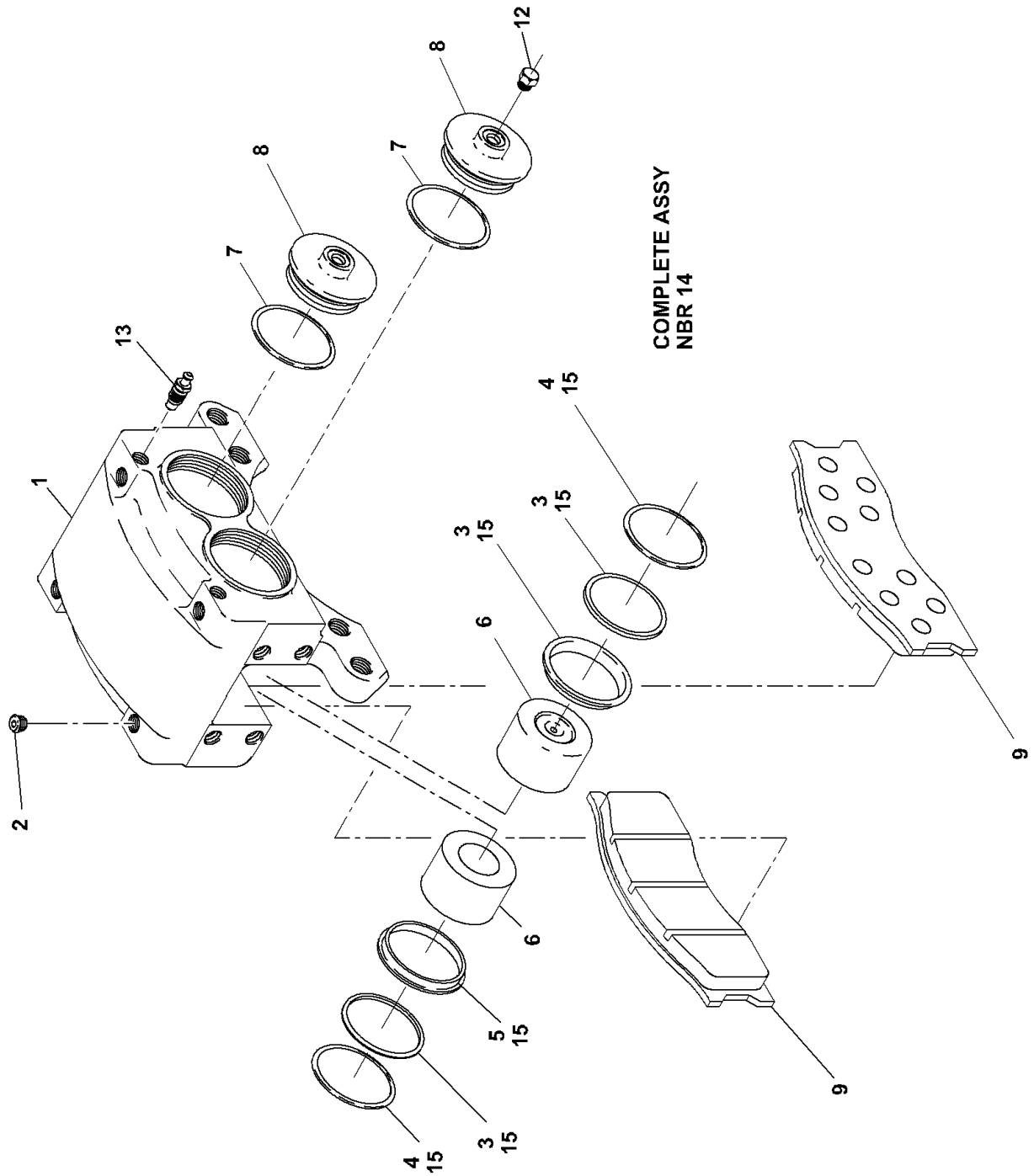
Assembly No.

9049112516

Revision:

Item	FN	Part	Qty	Description
1		9049112522	2	BRAKE ASSEMBLY, DISC
2		9049107142	8	CAP SCREW,
3		9049102985	8	WASHER,
4		9049112382	4	CAP

Manitowoc Cranes

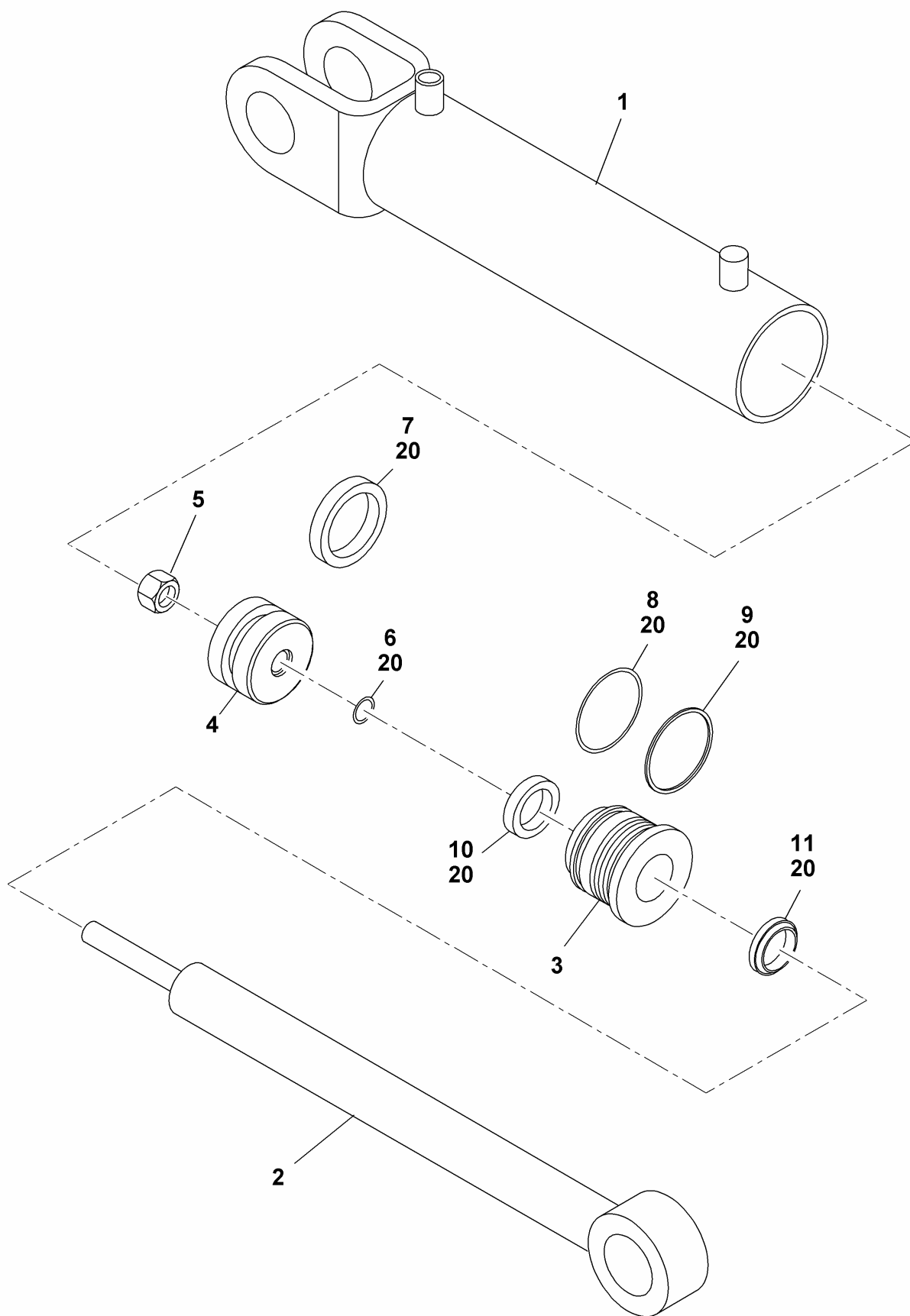


Manitowoc Cranes

Description BRAKE ASSEMBLY, GROUP				Assembly No. 9049112523 Revision:
Item	FN	Part	Qty	Description
1		NSS	1	HOUSING
2		9049107402	4	PLUG
3	*	NSS	4	BACK-UP RING
4	*	NSS	4	O-RING
5	*	NSS	4	DUST SEAL
6		9049107148	4	PISTON
7	*	NSS	2	O-RING
8		9049107152	2	HEAD CYL
9		9049109243	1	KIT, LINING PER BRAKE
10		9049110945	4	PLATE
11		9049109048	8	CAP SCREW,
12		9049107157	1	PLUG
13		9049100638	2	SCREW, BLEEDER
14		9049112522	1	BRAKE ASSEMBLY, DISC INCLUDES ITEMS 1 THRU 13
15	*	9049111761	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

CYLINDER ASSEMBLY - 2 1/2" STEER (COMPLETE ASSEMBLY)

Assembly No.

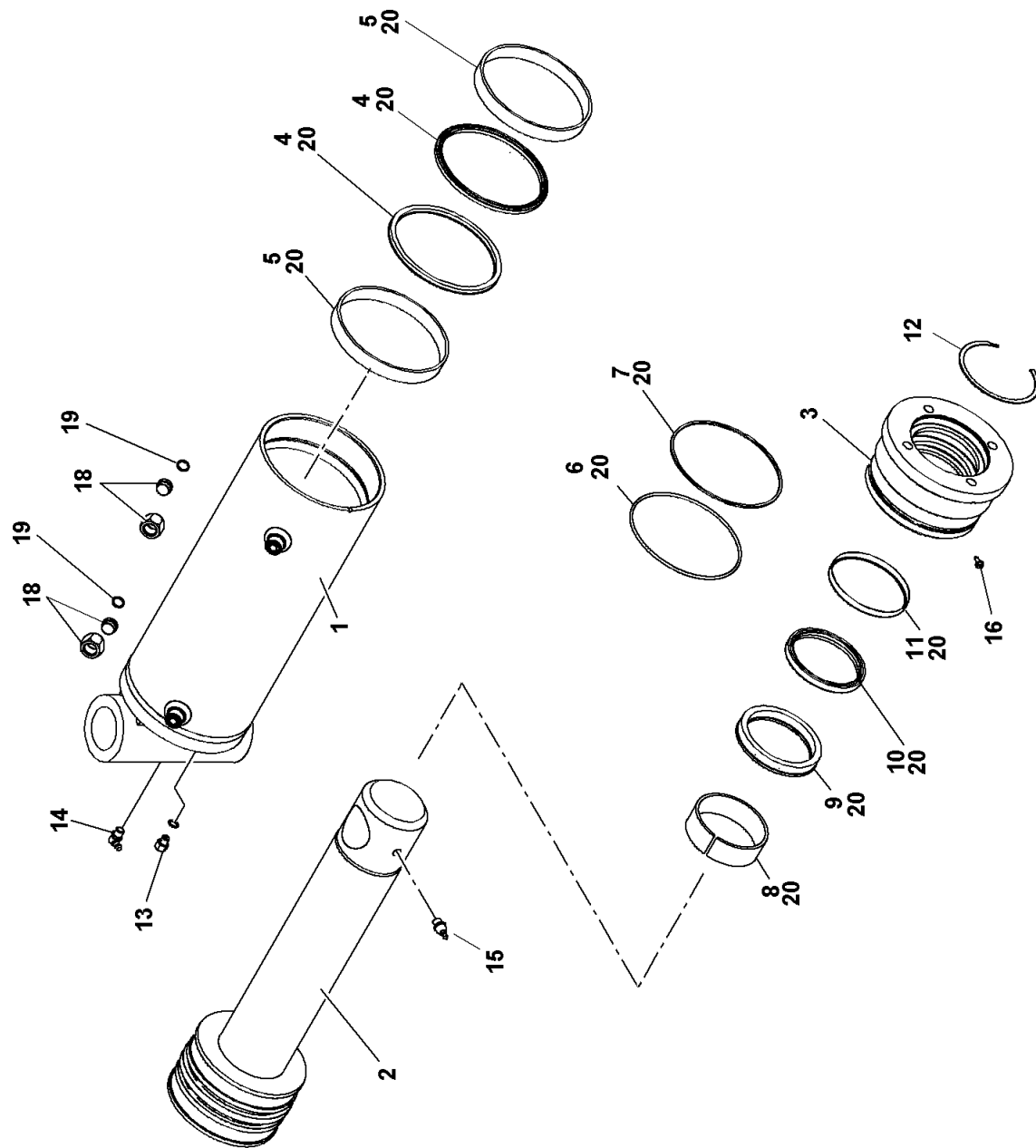
7372100250

Revision:

Item	FN	Part	Qty	Description
1		9372103533	1	BARREL ASSY.
2		9372103534	1	ROD ASSY.
3		9372103535	1	GLAND, ROD
4		9372103536	1	PISTON
5		9372103538	1	NUT
6	*	NSS	1	O-RING
7	*	NSS	1	RING, SEAL PISTON
8	*	NSS	1	O-RING
9	*	NSS	1	RING, BACK-UP
10	*	NSS	1	RING, SEAL ROD
11	*	NSS	1	RING, WIPER
20	*	9372103537	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

CYLINDER ASSEMBLY - 5" LOCKOUT (COMPLETE ASSEMBLY)

Assembly No.

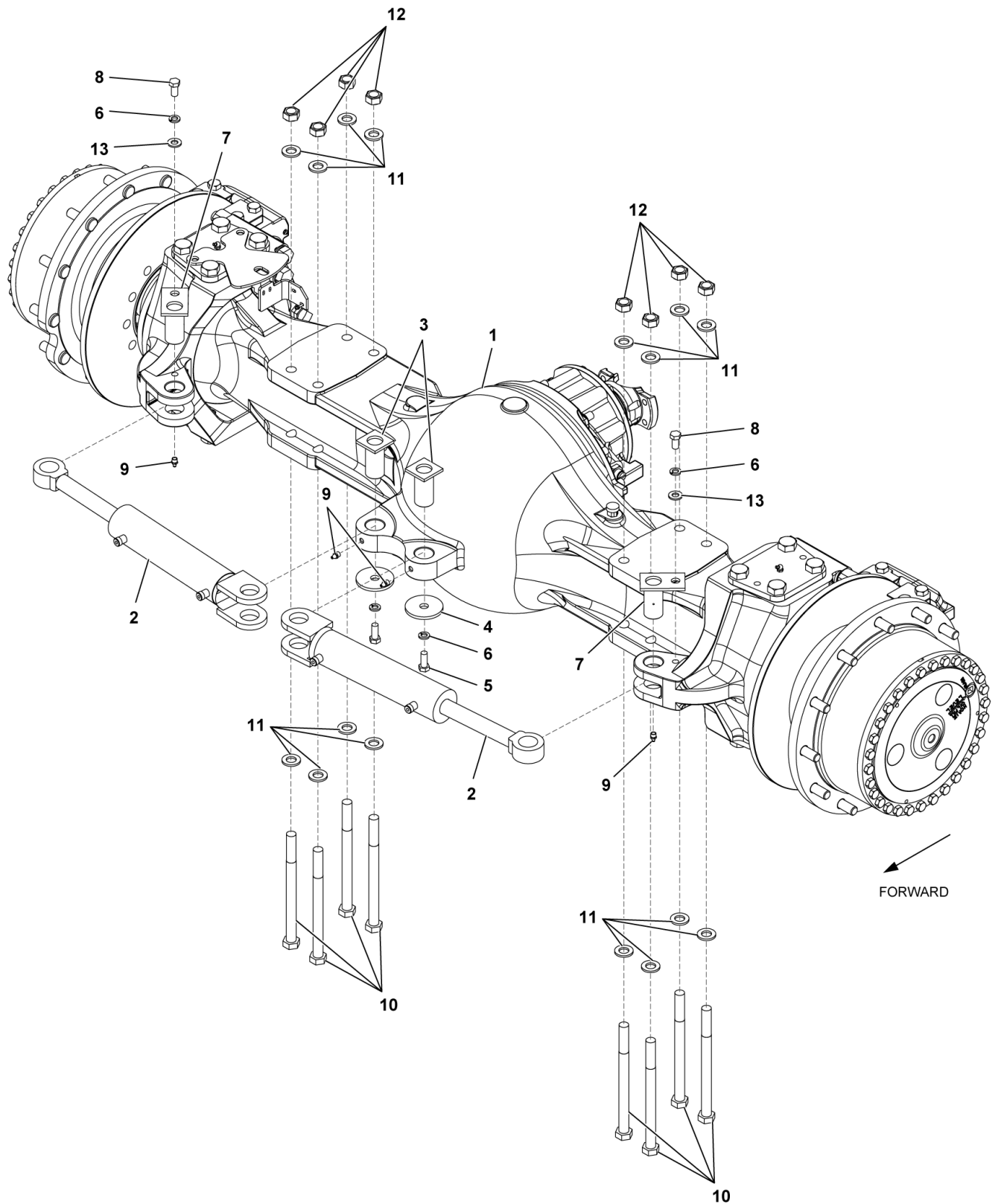
7372100255

Revision:

Item	FN	Part	Qty	Description
1		9372103588	1	BARREL ASSY.
2		9372103589	1	ROD ASSY.
3		9372103582	1	HEAD ASSY.
4	*	NSS	2	RING, LIP SEAL
5	*	NSS	2	RING, WEAR
6	*	NSS	1	O-RING
7	*	NSS	1	RING, BACK-UP
8	*	NSS	1	RING, WEAR
9	*	NSS	1	RING, BUFFER
10	*	NSS	1	RING, LIP SEAL
11	*	NSS	1	RING, WIPER
12		9372103583	1	RING, RETAINER
13		9372103584	1	PLUG, BLEEDER
14		7440000401	1	FITTING, 90 DEGREE GREASE 1/8" N.P.T.
15		7440000200	1	FITTING, 45 DEGREE GREASE 1/8" N.P.T.
16		9372103585	1	SCREW
19		7755012002	2	O-RING
20	*	9372103587	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



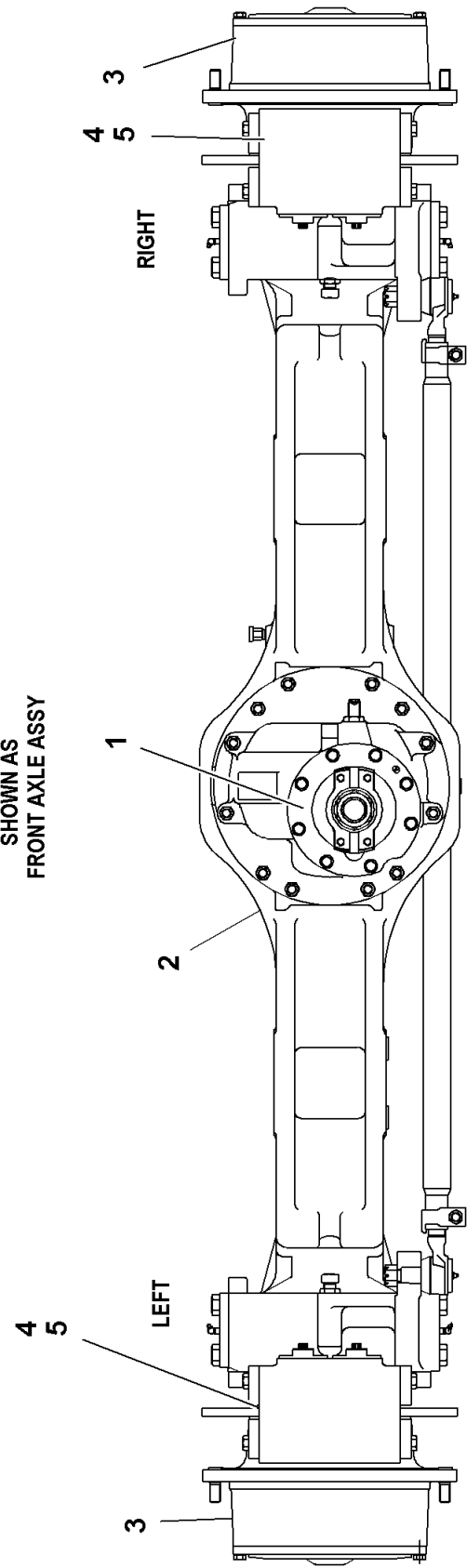
Manitowoc Cranes

Description AXLE INSTALLATION - FRONT				Assembly No. 2159510006 Revision: B
Item	FN	Part	Qty	Description
1	+	7049101487	1	AXLE ASSEMBLY - DRIVE/STEER (COMPLETE ASSEMBLY)
2	+=	7372100077	2	CYLINDER ASSEMBLY - 2 1/2" STEER (ALSO USED AS A CAB TILT CYLINDER) (COMPLETE ASSEMBLY)
2	+=	7372100250	2	CYLINDER ASSEMBLY - 2 1/2" STEER (COMPLETE ASSEMBLY)
3		80018328	2	PIN - 1.50" DIA
4		80023974	2	DOCK WASHER
5		7115181050	2	CAP SCREW, 1/2" - 13 N.C. X 1 1/4" GRADE 5
6		7950180050	4	WASHER, LOCK 1/2" I.D.
7		80018332	2	PIN - 1.50" DIA
8		7105180850	2	CAP SCREW, 1/2" - 20 N.F. X 1" GRADE 5
9		7440000000	4	FITTING, 1/8 STRAIGHT GREASE
10		7127273950	8	SCREW, M20X260 HEX HEAD CAP
11		7949000236	16	FLAT WASHER, 3/4"
12		7661270004	8	NUT
13		7950180141	2	WASHER, FLAT 1/2"

+ SEE FURTHER BREAKDOWN THIS GROUP

= REFER TO MCI FOR APPLICABLE NUMBER

Manitowoc Cranes



Manitowoc Cranes

Description

AXLE ASSEMBLY - DRIVE/STEER (COMPLETE ASSEMBLY)

Assembly No.

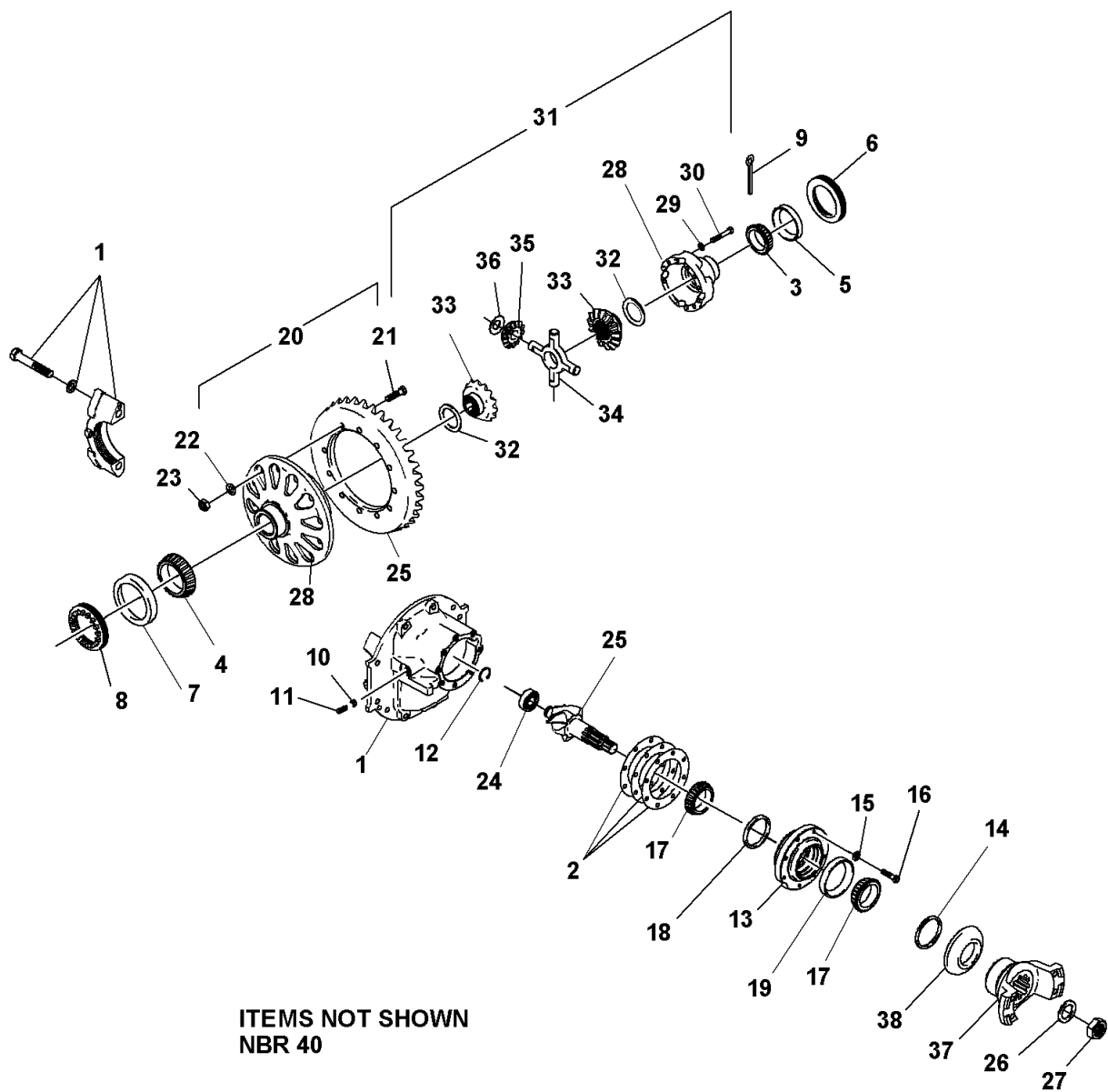
7049101487

Revision:

Item	FN	Part	Qty	Description
1	+	9049112776	1	DIFF. CARRIER GROUP
2	+	9049112778	1	HOUSING GROUP
3	+	9049112780	1	HUB & SHAFT GROUP
4	+	9049112516	1	BRAKE GROUP
5	+	9049112523	1	BRAKE ASSEMBLY, GROUP

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description DIFF. CARRIER GROUP				Assembly No. 9049112776 Revision:
Item	FN	Part	Qty	Description
1		9049112762	1	HOUSING, DIFF. W/CAP ASSY.
2		9049112763	1	KIT, SHIM
3		9049112264	1	CONE, BEARING
4		9049112264	1	CONE, BEARING
5		9049112263	1	CUP, BEARING
6		9049108971	1	RING, ADJUSTING
7		9049112263	1	CUP, BEARING
8		9049108971	1	RING, ADJUSTING
9		9049112764	2	SCREW
10		9049109021	1	SCREW, THRUST
11		9049109022	1	NUT, JAM
12		9049101600	1	RING, RETAINING
13		9049112639	1	CAGE ASSY. PINION INCLUDES THE FOLLOWING PARTS
		9049100895	1	OUTER
		9049100535	1	CUP, BEARING
		9049112786	1	SEAL, OIL
14		9049112786	1	SEAL, OIL
15		9049111037	8	WASHER,
16		9049108332	8	CAP SCREW,
17		9049109690	1	CONE, BEARING
18		9049108952	1	KIT, SPACER
19		9049108948	1	CONE, BEARING
20		9049108966	1	KIT, HARDWARE INCLUDES 21 THRU 23
21		9049108967	12	CAP SCREW,
22		9049101705	12	WASHER, LOCK
23		9049111517	12	NUT
24		9049104578	1	BEARING
25		9049111750	1	GEAR ASSEMBLY, BEVEL 5.57:1
26		9049104393	1	FLATWASHER
27		9049111513	1	LOCKNUT
28		9049112766	1	CASE ASSY. DIFF. INCLUDES BOTH CASE HALFS AND ITEMS 29 AND 30

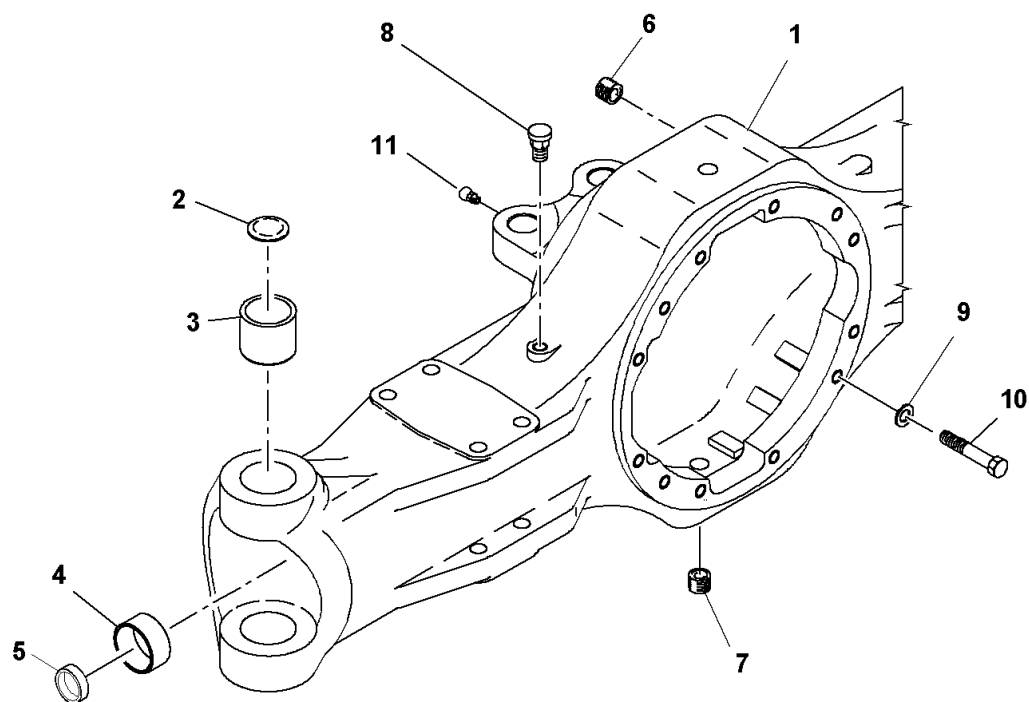
Manitowoc Cranes

Description DIFF. CARRIER GROUP				Assembly No. 9049112776 Revision:
Item	FN	Part	Qty	Description
29		9049111037	16	WASHER,
30		9049111509	16	SCREW,
31		9049112767	1	KIT, DIFF INCLUDES ITEMS 32 THRU 36
32		9049112768	2	WASHER, THRUST
33		9049109699	2	GEAR, SIDE
34		9049109751	1	SPIDER
35		9049108965	4	PINION
36		9049112769	4	WASHER, THRUST
37		9049112432	1	YOKE ASSY. INCLUDES ITEM 38
38		9049112096	1	DEFLECTOR
40		9049112777	1	DIFF.CARRIER ASSY.@ 5.57 RATIO INCLUDES ITEMS 1 THRU 36

Manitowoc Cranes

Notes

Manitowoc Cranes



STEER END
STYLE BOTH ENDS

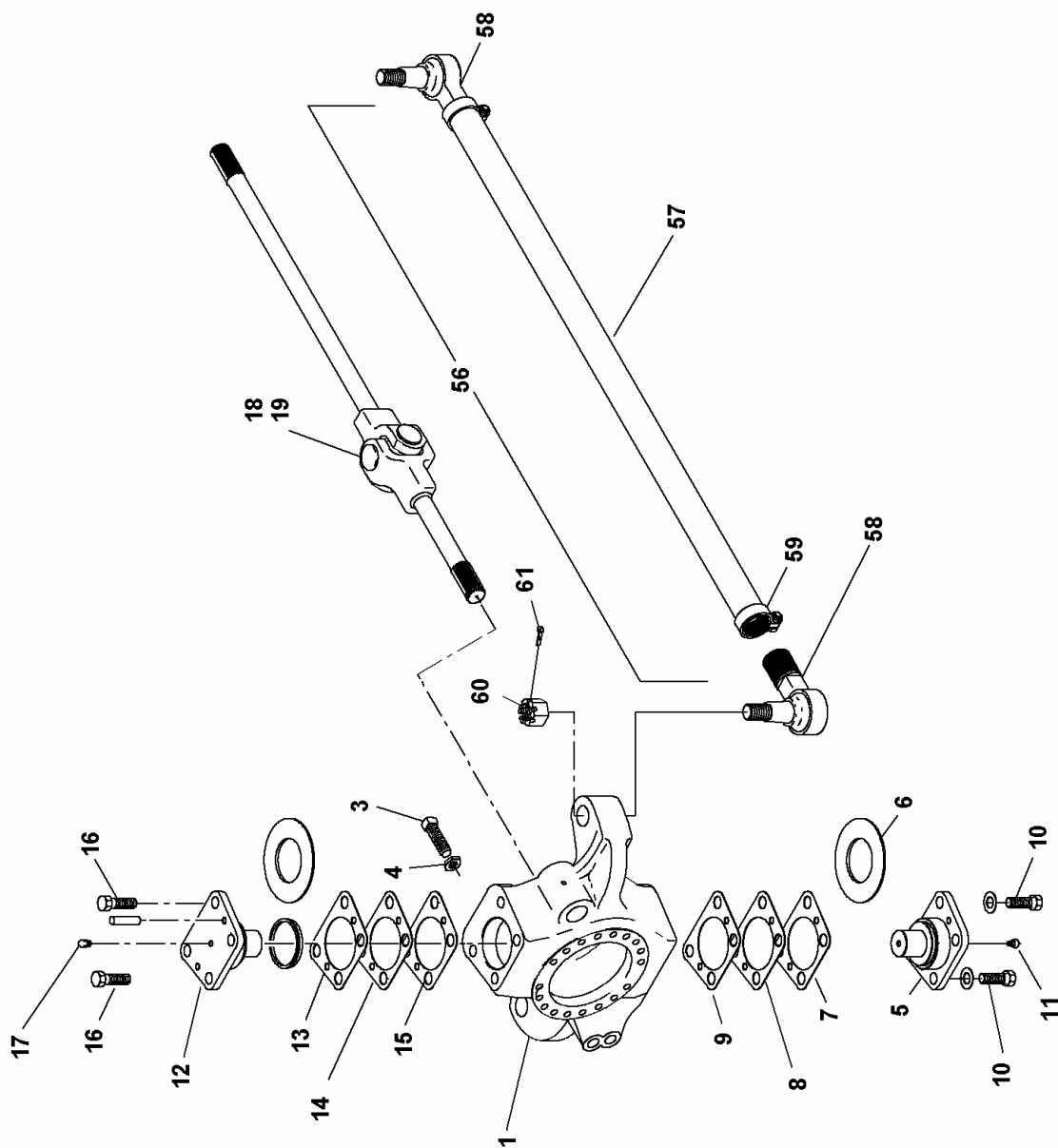
Manitowoc Cranes

Description HOUSING GROUP				Assembly No. 9049112778 Revision:
Item	FN	Part	Qty	Description
1		9049112779	1	HOUSING, ASSY. AXLE INCLUDES ITEMS 2 THRU 7
2		9049102254	4	PLUG, EXPANSION
3		9049102253	4	BUSHING
4		9049112682	2	BUSHING
5		9049112781	2	SEAL
6		9049112771	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		9049112889	1	O-RING
7		9049112771	1	PLUG ASSY. INCLUDES THE FOLLOWING PARTS
		9049112889	1	O-RING
8		9049112686	1	BREATHER
9		9049101705	16	WASHER, LOCK
10		9049110385	12	SCREW,
10		9049111473	4	SCREW,
11		7440000000	2	FITTING, 1/8 STRAIGHT GREASE

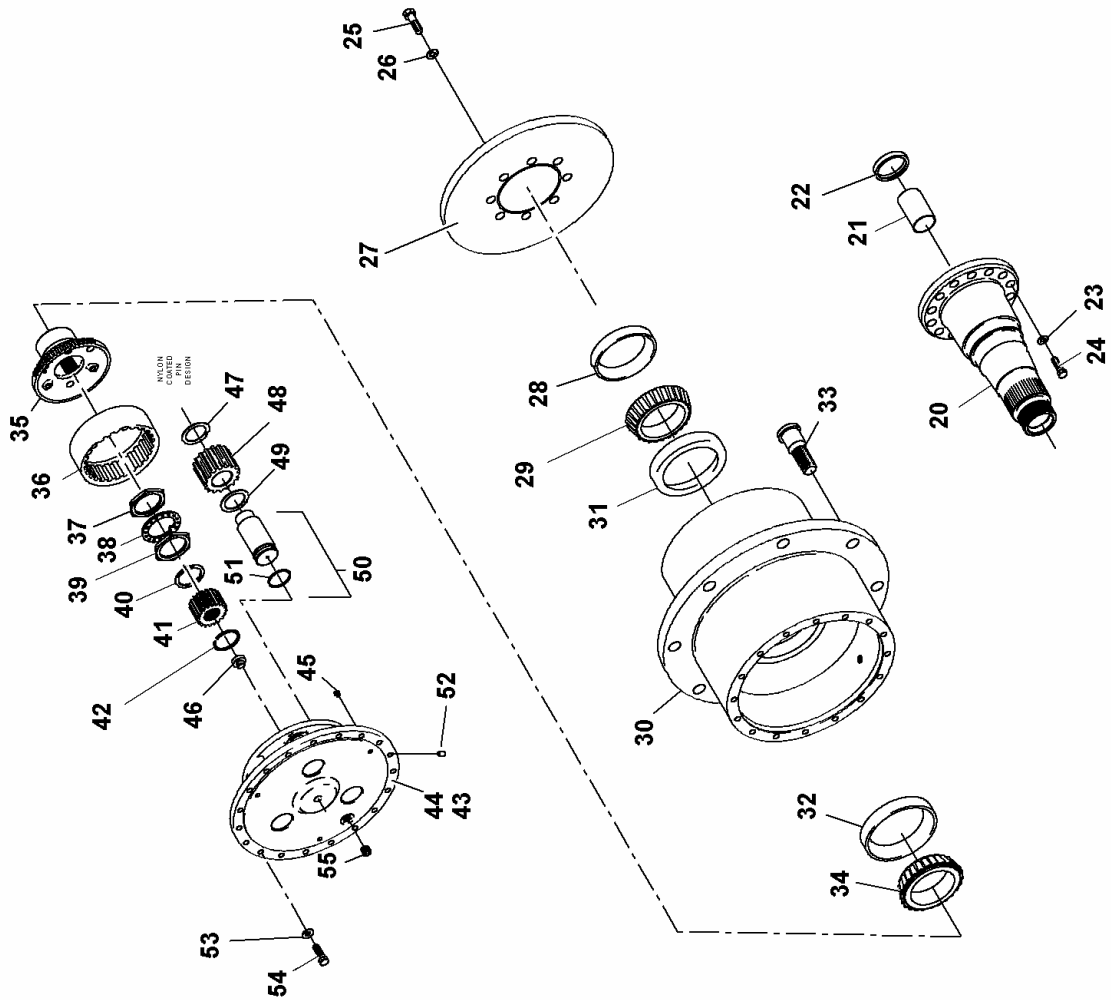
Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description HUB & SHAFT GROUP				Assembly No. 9049112780 Revision:
Item	FN	Part	Qty	Description
1		9049110932	1	KNUCKLE, STEERING -RIGHT HAND KNUCKLE ON THIS ASSY. PARTS LIST WAS WORKED AS A FRONT AXLE
1		9049107133	1	KNUCKLE ASSY. STEERING -LEFT HAND KNUCKLE ON THIS ASSY. PARTS LIST WAS WORKED AS A FRONT AXLE
3		9049106456	2	SCREW, STOP
4		9049101497	4	NUT, JAM
5		9049107137	2	CAP LOWER
6		9049101673	2	WASHER, THRUST
7		9049107134	6	SHIM, .003" ITEMS 7 THRU 9 ARE TO BE USED AS REQUIRED
8		9049107135	4	SHIM, .005"
9		9049107136	2	SHIM, .020"
10		9049103595	8	CAP SCREW,
11		9049103562	2	FITTING, GREASE
12		9049107138	2	CAP UPPER
13		9049107134	6	SHIM, .003" ITEMS 13 THRU 15 ARE TO BE USED AS REQUIRED
14		9049107135	4	SHIM, .005"
15		9049107136	2	SHIM, .020"
16		9049103595	8	CAP SCREW,
17		9049103562	2	FITTING, GREASE
18		9049111754	1	AXLE SHAFT ASSY. 44.34" LG
		9049109733	1	INCLUDES THE FOLLOWING PARTS BEARING ASSEMBLY, U JOINT
19		9049111756	1	AXLE SHAFT ASSY. 48.69" LG
		9049109733	1	INCLUDES THE FOLLOWING PARTS BEARING ASSEMBLY, U JOINT

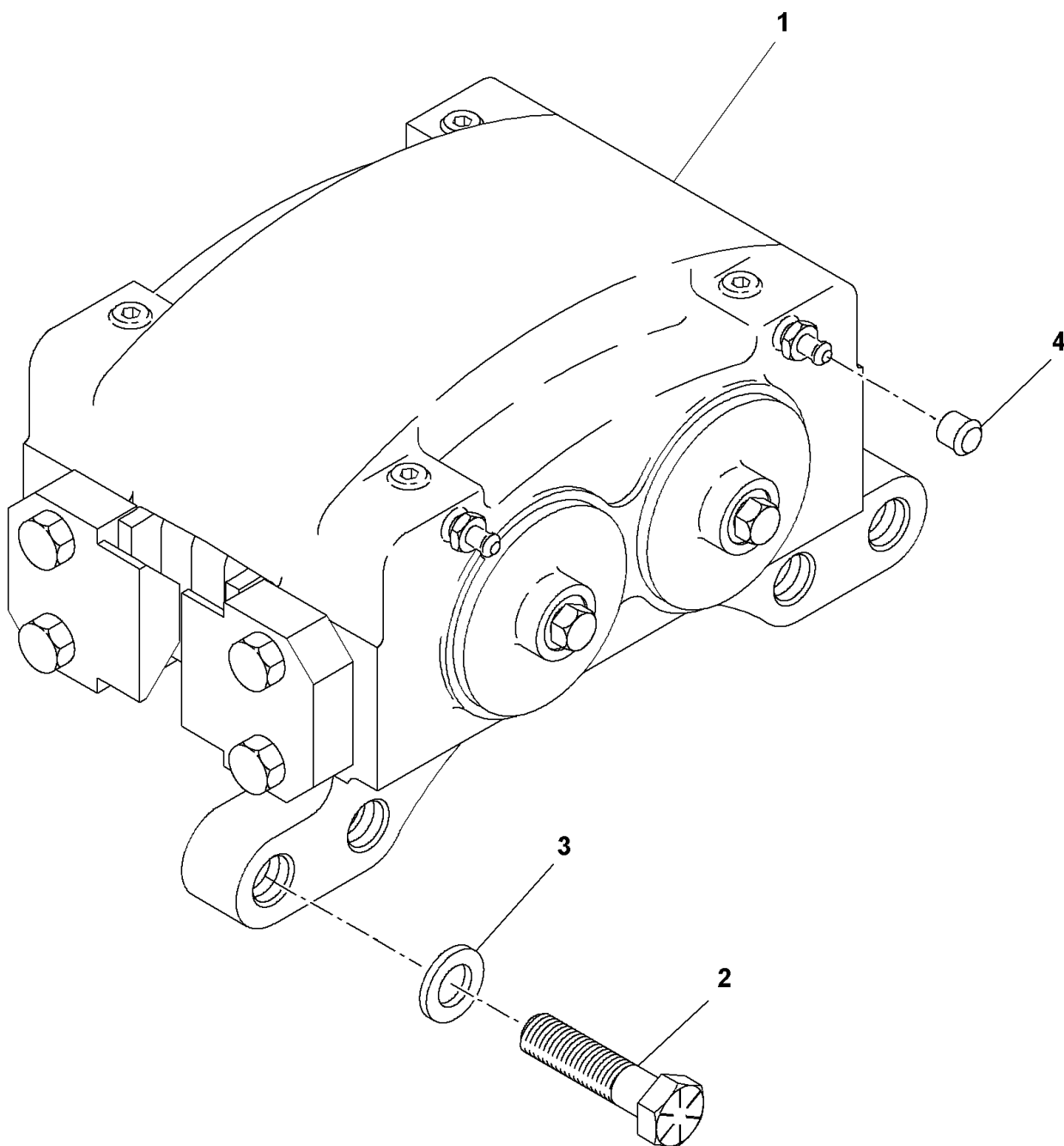
Manitowoc Cranes

Description HUB & SHAFT GROUP				Assembly No. 9049112780 Revision:
Item	FN	Part	Qty	Description
20		9049112782	2	SPINDLE ASSY.
21		9049112682	2	BUSHING
22		9049112781	2	SEAL
23		9049106450	36	WASHER, HARDENED
24		9049111753	36	CAP SCREW,
25		9049103927	24	CAP SCREW,
26		9049103739	24	WASHER, HARDENED
27		9049107129	2	DISC, BRAKE
28		9049112685	2	SEAL
29		9049101693	2	CONE, BEARING
30		9049107128	2	WHEEL HUB
31		9049101695	2	CUP, BEARING
32		9049101696	2	CUP, BEARING
33		9049101687	24	STUD
34		9049101694	2	CONE, BEARING
35		9049105562	2	HUB
36		9049103392	2	GEAR
37		9049112240	2	NUT
38		9049101704	2	WASHER, LOCK
39		9049101703	2	NUT, WHEEL BEARING
40		9049105580	2	THRUSTWASHER
41		9049101844	2	GEAR-20T
42		9274100125	2	RING, SNAP
43		9049107127	2	SPIDER ASSEMBLY
44		9049106034	2	SPIDER, W/ THRUST WASHERS
45		9049103565	6	BUTTON, THRUST
46		9049106791	2	BUTTON, THRUST
47		9049101847	6	WASHER, THRUST
48		9049101846	6	GEAR, PINION
49		9049101848	6	WASHER, THRUST
50		9049106490	6	SHAFT ASSEMBLY, PINION
51		9049106322	6	O-RING
52		9049105399	6	SET SCREW
53		9049101980	60	FLATWASHER

Manitowoc Cranes

<u>Description</u> HUB & SHAFT GROUP				<u>Assembly No.</u> 9049112780 Revision:
Item	FN	Part	Qty	Description
54		9049106579	60	CAP SCREW,
55		9049101920	2	PLUG, DRAIN (MAGNETIC)
56		9049109724	1	TIE ROD ASSEMBLY INCLUDES ITEMS 57 THRU 59
57		9049109725	1	CLAMP AND TIE ROD ASSEMBLY
58		9049109727	1	END, TIE ROD LEFT HAND THREAD
59		9049109726	1	END, TIE ROD RIGHT HAND THREAD
60		9049103033	2	NUT
61		9049109511	2	PIN, COTTER-END YOKE NUT

Manitowoc Cranes



Manitowoc Cranes

Description

BRAKE GROUP

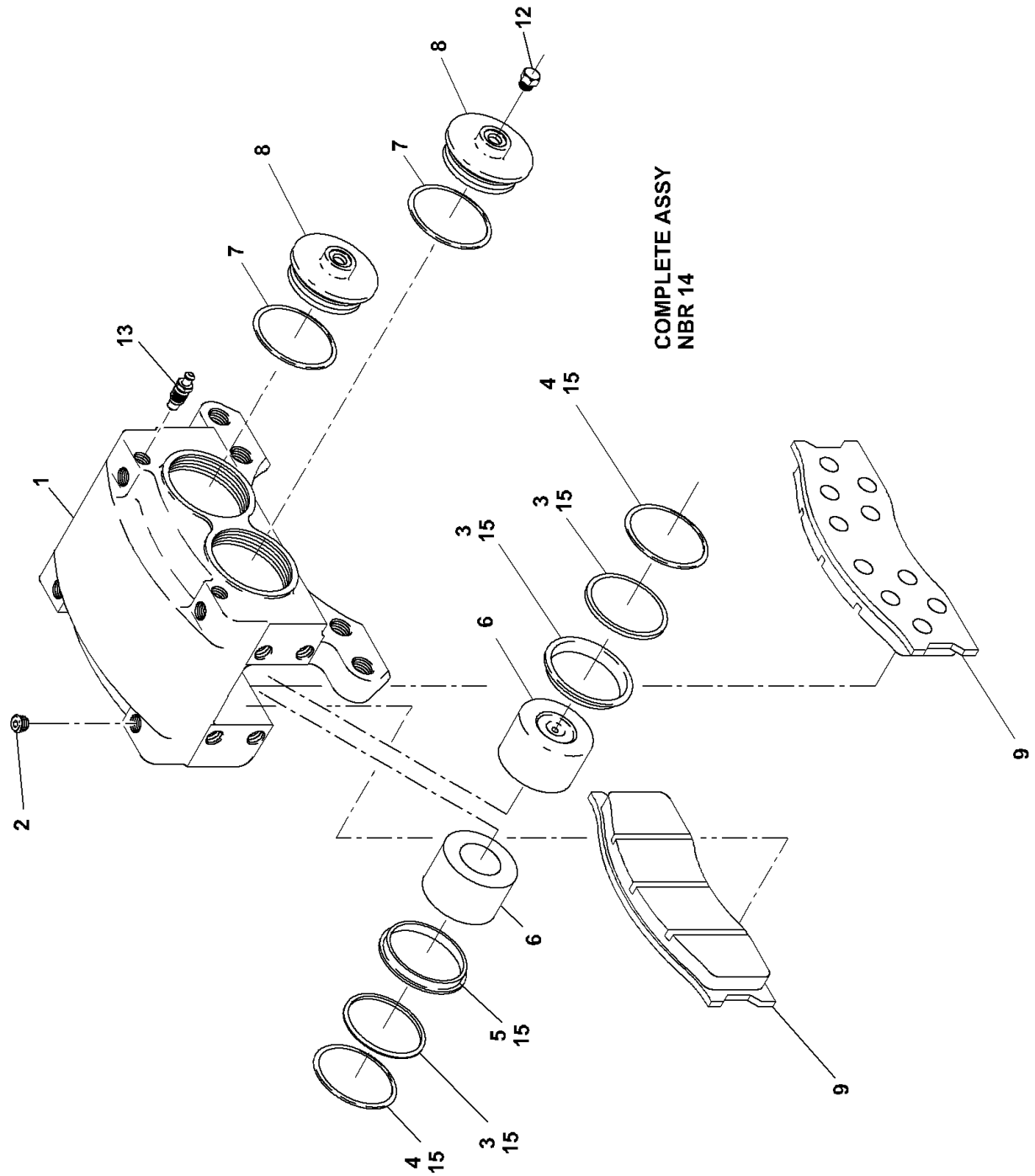
Assembly No.

9049112516

Revision:

Item	FN	Part	Qty	Description
1		9049112522	2	BRAKE ASSEMBLY, DISC
2		9049107142	8	CAP SCREW,
3		9049102985	8	WASHER,
4		9049112382	4	CAP

Manitowoc Cranes



Manitowoc Cranes

Description

BRAKE ASSEMBLY, GROUP

Assembly No.

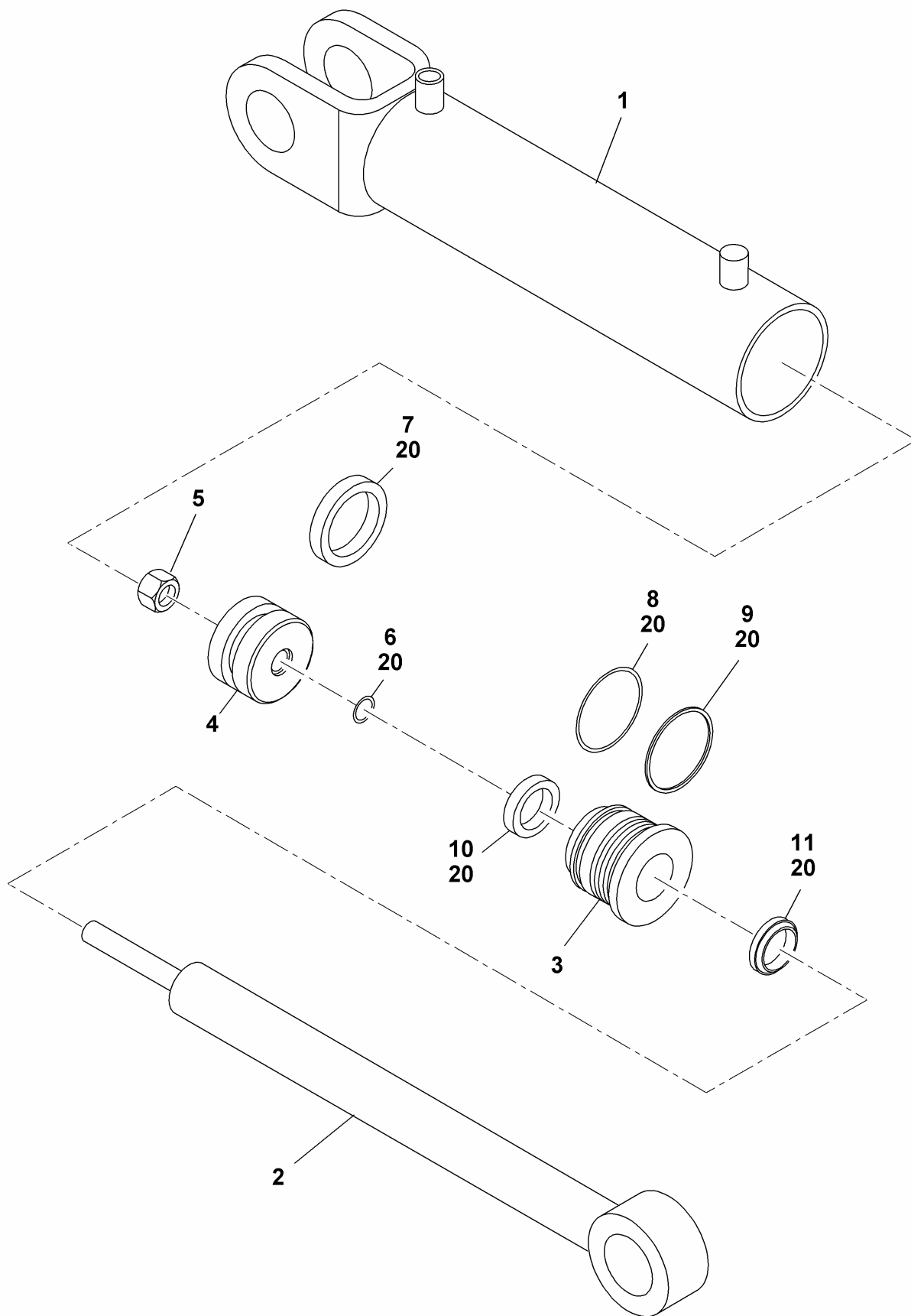
9049112523

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOUSING
2		9049107402	4	PLUG
3	*	NSS	4	BACK-UP RING
4	*	NSS	4	O-RING
5	*	NSS	4	DUST SEAL
6		9049107148	4	PISTON
7	*	NSS	2	O-RING
8		9049107152	2	HEAD CYL
9		9049109243	1	KIT, LINING PER BRAKE
10		9049110945	4	PLATE
11		9049109048	8	CAP SCREW,
12		9049107157	1	PLUG
13		9049100638	2	SCREW, BLEEDER
14		9049112522	1	BRAKE ASSEMBLY, DISC INCLUDES ITEMS 1 THRU 13
15	*	9049111761	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



Manitowoc Cranes

Description

CYLINDER ASSEMBLY - 2 1/2" STEER (COMPLETE ASSEMBLY)

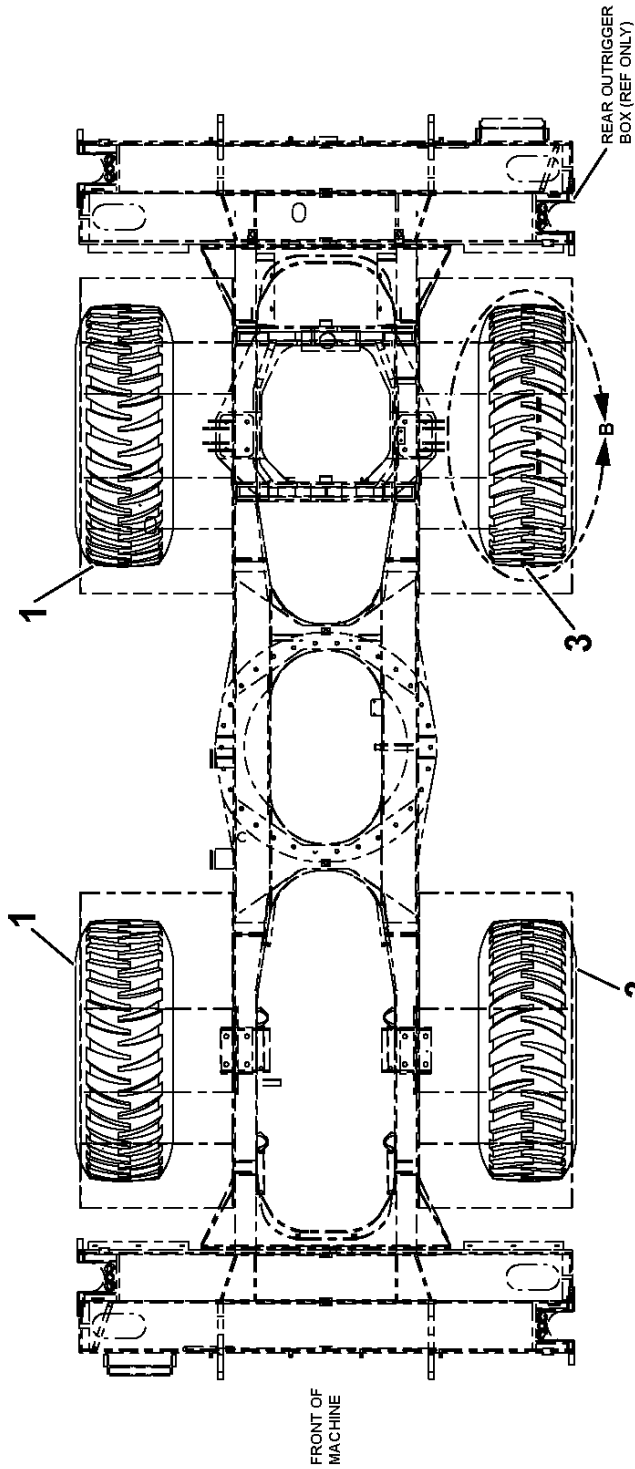
Assembly No.

7372100250

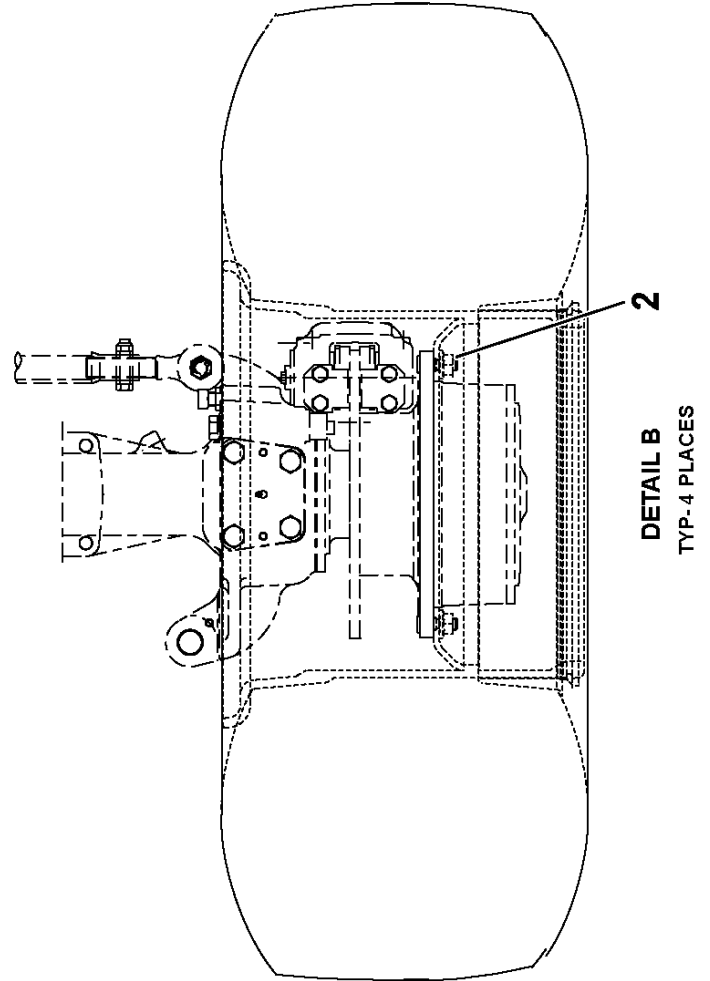
Revision:

Item	FN	Part	Qty	Description
1		9372103533	1	BARREL ASSY.
2		9372103534	1	ROD ASSY.
3		9372103535	1	GLAND, ROD
4		9372103536	1	PISTON
5		9372103538	1	NUT
6	*	NSS	1	O-RING
7	*	NSS	1	RING, SEAL PISTON
8	*	NSS	1	O-RING
9	*	NSS	1	RING, BACK-UP
10	*	NSS	1	RING, SEAL ROD
11	*	NSS	1	RING, WIPER
20	*	9372103537	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT



TOP VIEW
GEOMETRY FOR REF ONLY



Manitowoc Cranes

Description

TIRE & WHEEL INSTALLATION 20.5 X 25 TITAN

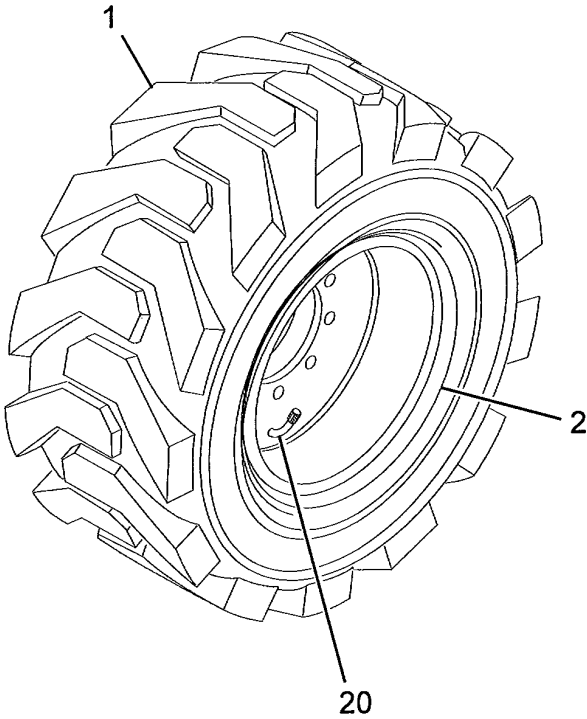
Assembly No.

80030159

Revision: #

Item	FN	Part	Qty	Description
1	+	6970100151	2	TIRE AND WHEEL ASSEMBLY 20.5 X 25 GENERAL
2		80030173	48	WHEEL NUT 3/4-16UNF Flg
3	+	6970100151	2	TIRE AND WHEEL ASSEMBLY 20.5 X 25 GENERAL

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

TIRE AND WHEEL ASSEMBLY 20.5 X 25 GENERAL

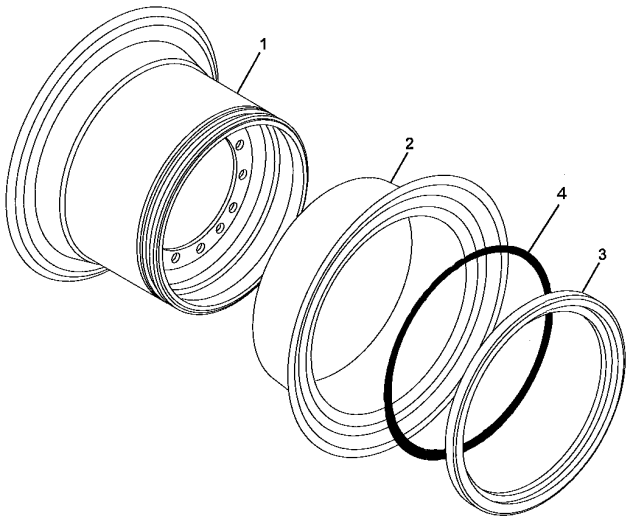
Assembly No.

6970100151

Revision: A

Item	FN	Part	Qty	Description
1		7900000380	1	TIRE, 20.5 X 25-24 PLY GENERAL
2	+	6970100153	1	WHEEL & DISC ASSY

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

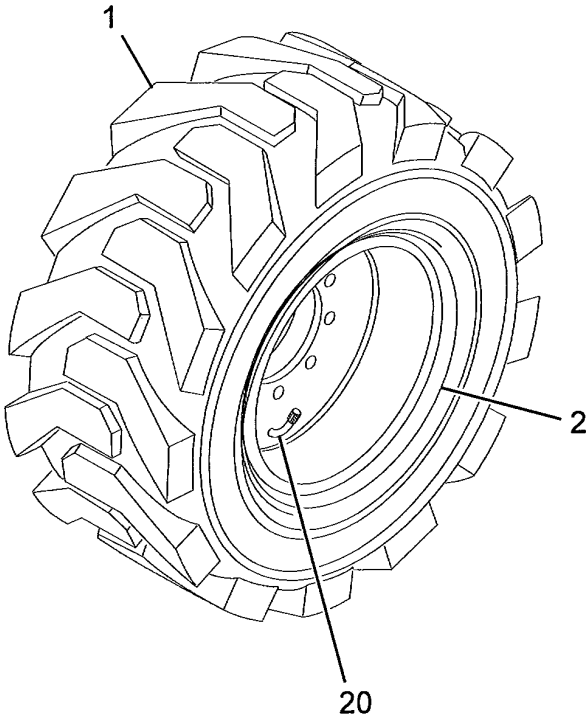
WHEEL & DISC ASSY

Assembly No.

6970100153

Revision: **B**

Item	FN	Part	Qty	Description
1		7970140708	1	WHEEL 17.00 X 25.0
2		7450160006	1	FLANGE 25" X 2.0"
3		7753000368	1	RING, LOCK
4		7754000085	1	O-RING



Manitowoc Cranes

Description

TIRE AND WHEEL ASSEMBLY 20.5 X 25 GENERAL

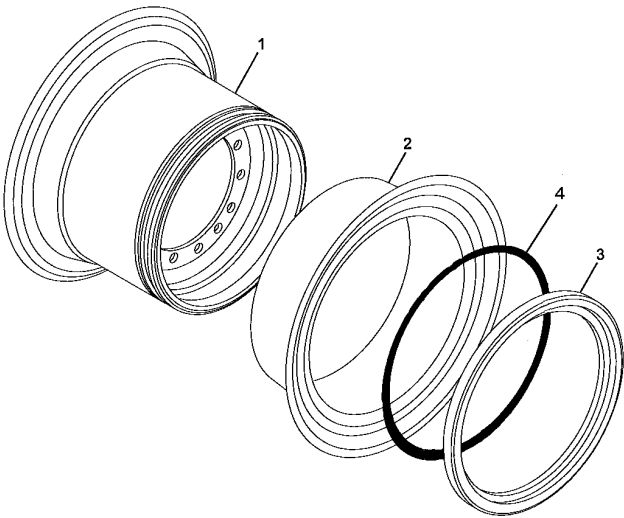
Assembly No.

6970100151

Revision: A

Item	FN	Part	Qty	Description
1		7900000380	1	TIRE, 20.5 X 25-24 PLY GENERAL
2	+	6970100153	1	WHEEL & DISC ASSY

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

WHEEL & DISC ASSY

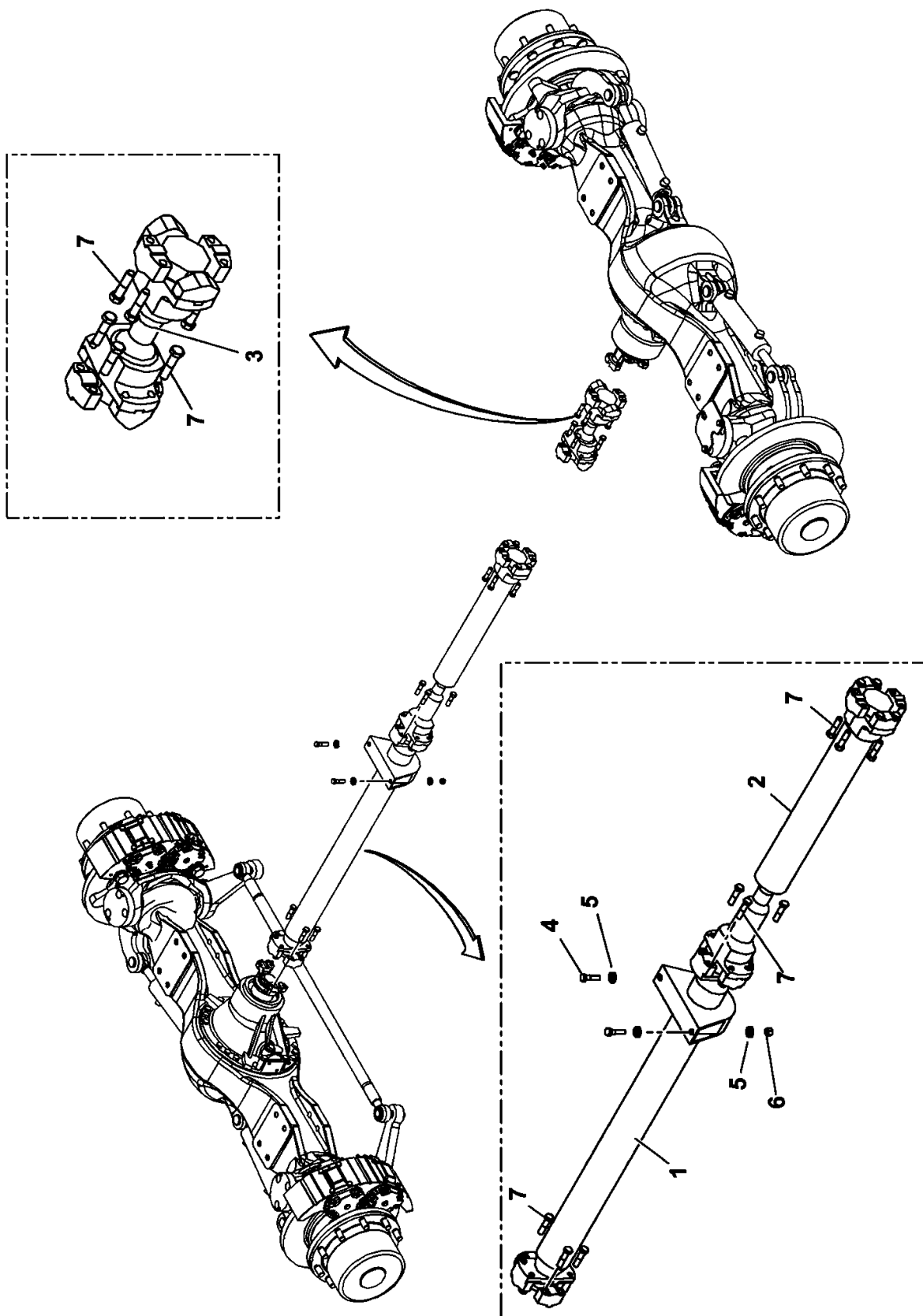
Assembly No.

6970100153

Revision: **B**

Item	FN	Part	Qty	Description
1		7970140708	1	WHEEL 17.00 X 25.0
2		7450160006	1	FLANGE 25" X 2.0"
3		7753000368	1	RING, LOCK
4		7754000085	1	O-RING

Manitowoc Cranes



Manitowoc Cranes

Description

DRIVE LINE INSTALLATION

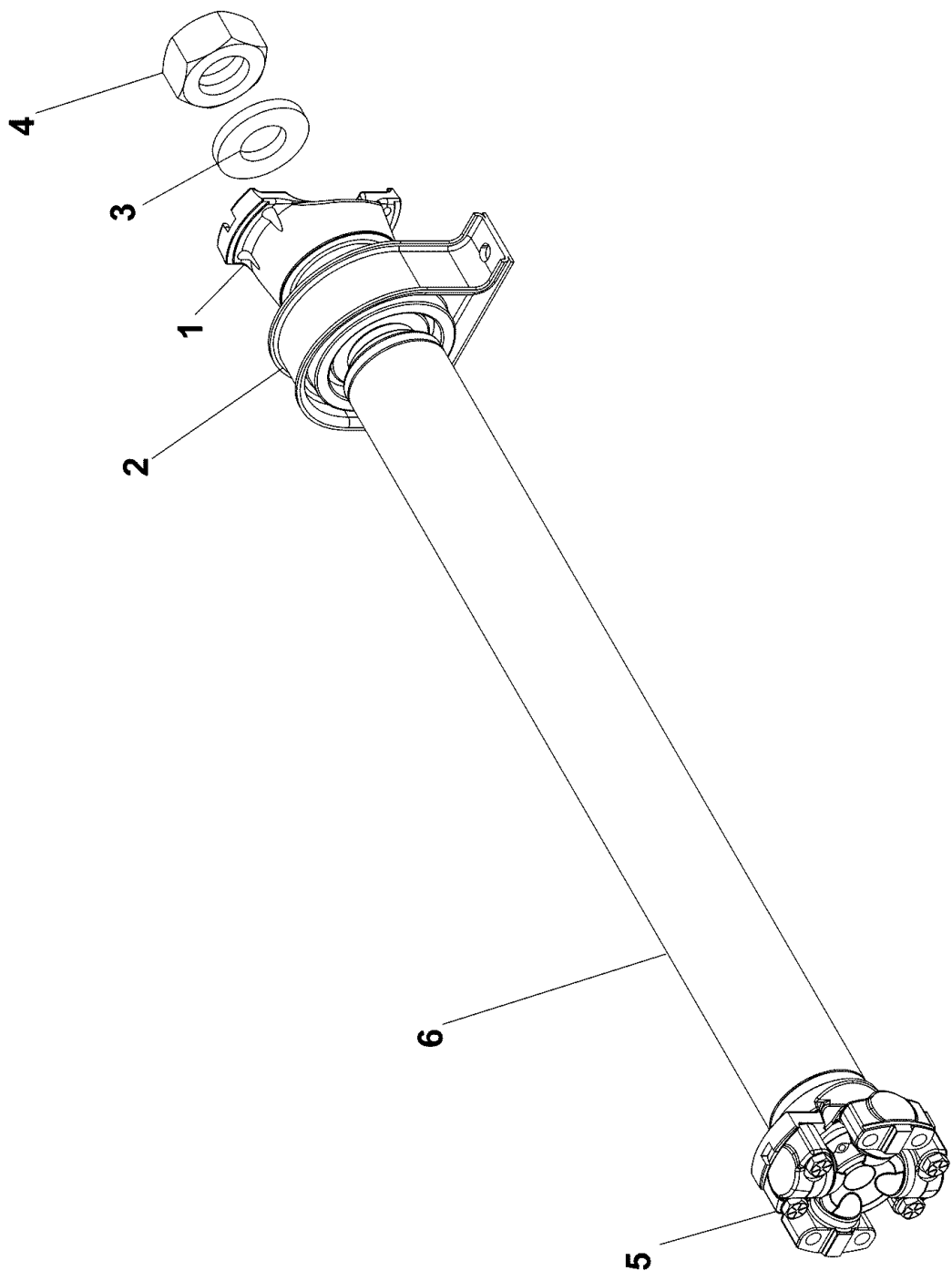
Assembly No.

80011142

Revision: **A**

Item	FN	Part	Qty	Description
1	+	80000554	1	DRIVE LINE ASSEMBLY WITH CENTER BEARING (COMPLETE ASSEMBLY)
2	+	80000556	1	DRIVE LINE ASSEMBLY (COMPLETE ASSEMBLY)
3	+	7364100166	1	DRIVE LINE ASSEMBLY (COMPLETE ASSEMBLY)
4		7126211650	2	CAP SCREW, HEX HEAD
5		7949000235	4	WASHER, 1/2" I.D. FLAT
6		7661210003	2	NUT, HEX 12MM N.C.
7		7108181650	20	BOLT, HEX

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

**DRIVE LINE ASSEMBLY WITH CENTER BEARING
(COMPLETE ASSEMBLY)**

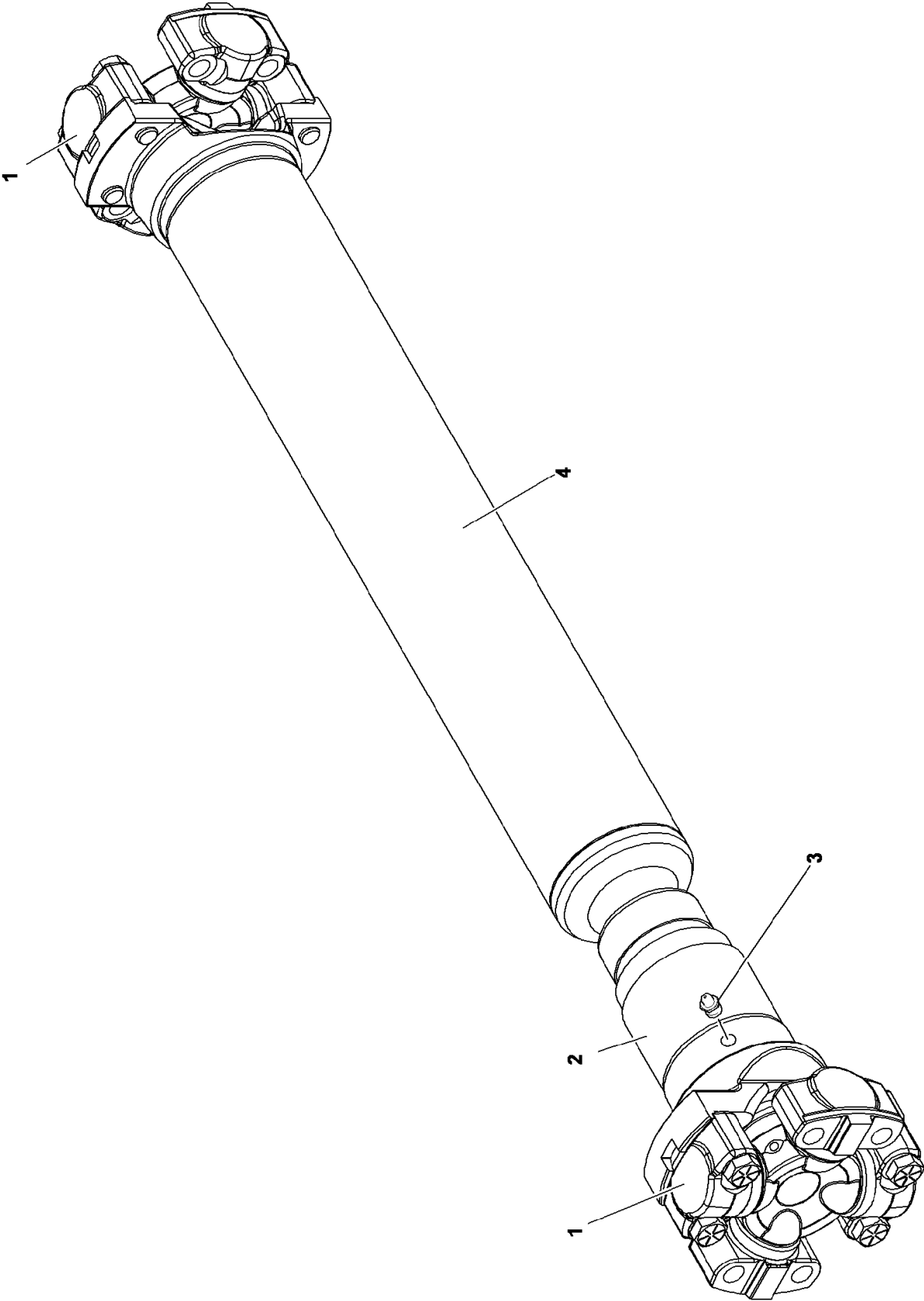
Assembly No.

80000554

Revision:

Item	FN	Part	Qty	Description
1		90012592	1	YOKE ASSY.
2		9364101907	1	BEARING, CENTER
3		9364101903	1	WASHER
4		9364101902	1	LOCKNUT
5		9364101535	1	U-JOINT BEARING WITH HARDWARE
6		NSS	1	TUBE WELDMENT

Manitowoc Cranes



Manitowoc Cranes

Description

DRIVE LINE ASSEMBLY (COMPLETE ASSEMBLY)

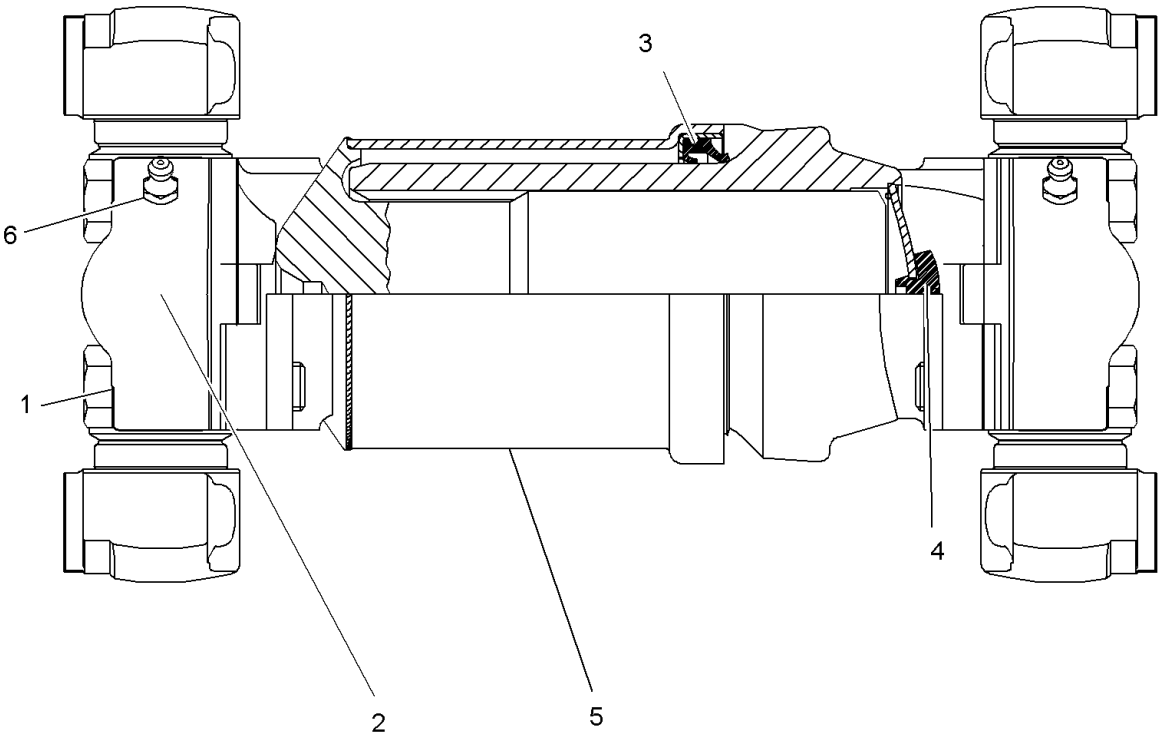
Assembly No.

80000556

Revision:

Item	FN	Part	Qty	Description
1		9364101535	2	U-JOINT BEARING WITH HARDWARE
2		90012594	1	YOKE ASSY. W/ DUST CAP
3		9364101577	1	FITTING, GREASE
4		NSS	1	TUBE WELDMENT

Manitowoc Cranes



Manitowoc Cranes

Description

DRIVE LINE ASSEMBLY (COMPLETE ASSEMBLY)

Assembly No.

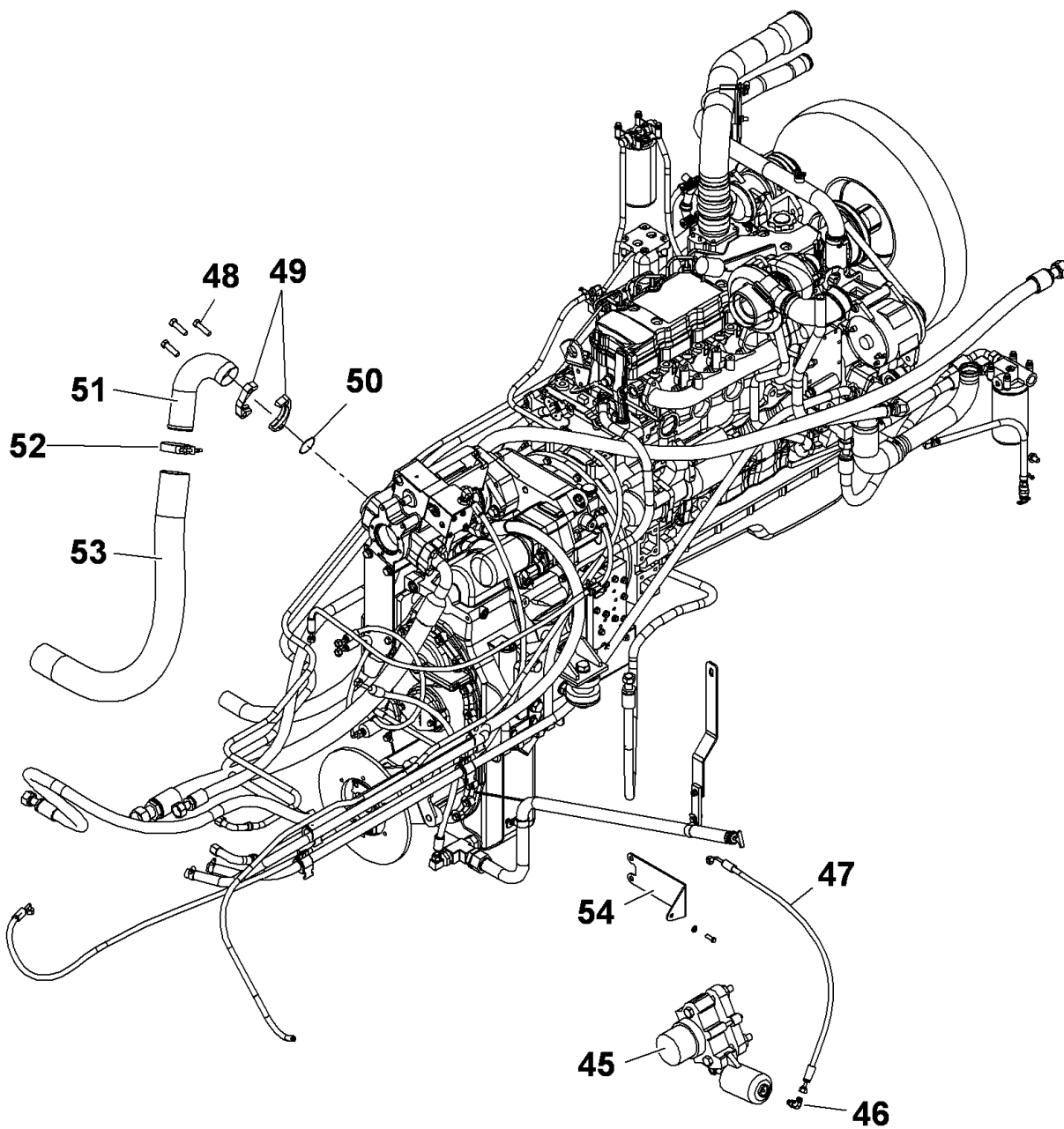
7364100166

Revision:

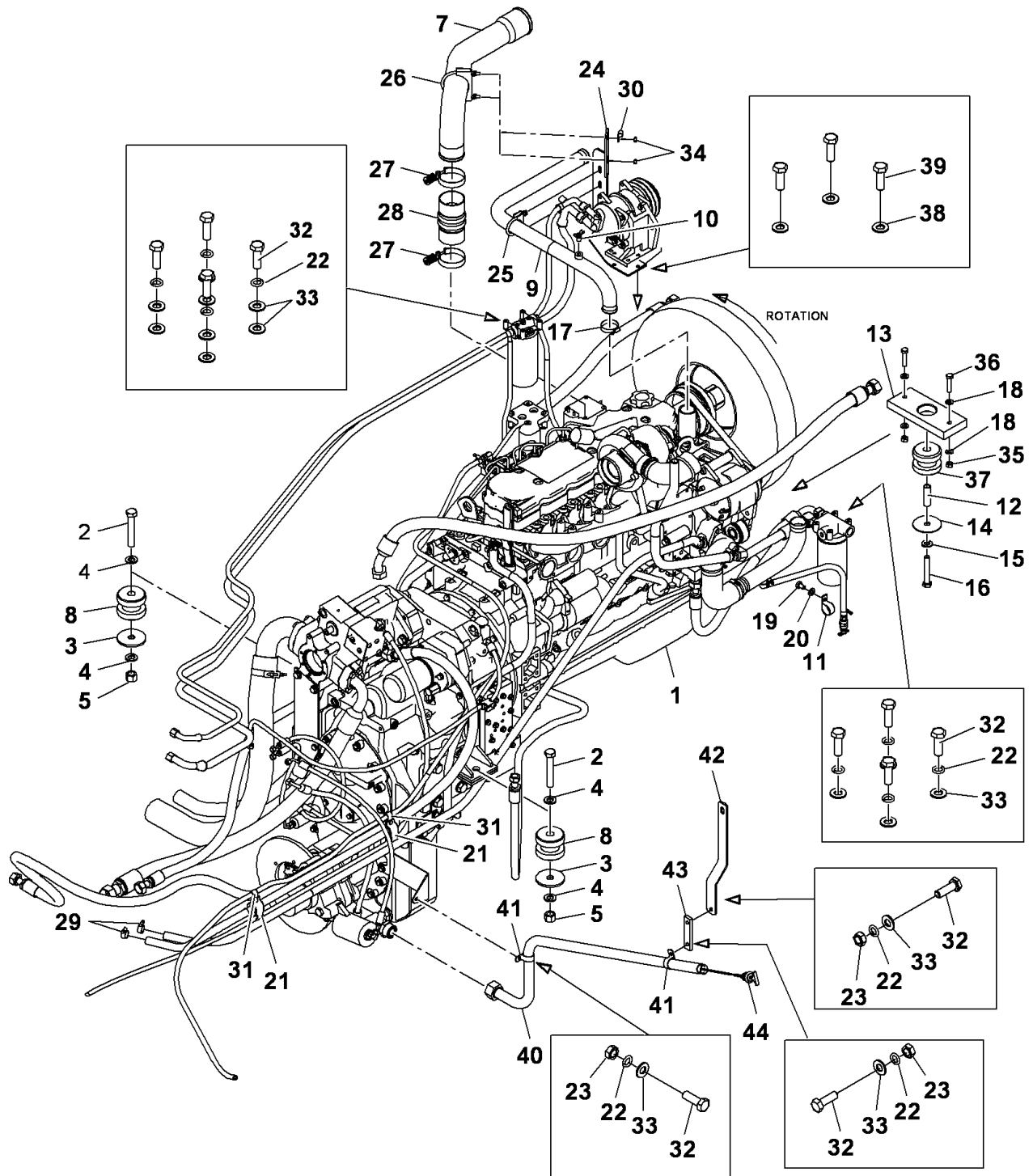
Item	FN	Part	Qty	Description
1		9364101866	8	CAPSCREW
2		9364101867	2	U-JOINT ASSY.
3		9364101868	1	SEAL, SHAFT
4		9364101869	1	VALVE, AIR
5		NSS	1	SHAFT ASSY.
6		9364101870	1	FITTING, GREASE QTY. 1 PER U-JOINT ASSY.

Manitowoc Cranes

Notes



Manitowoc Cranes



ITEM NOT SHOWN
NBR. 6

Manitowoc Cranes

Description ENGINE INSTALLATION				Assembly No. 2159810224 Revision: E
Item	FN	Part	Qty	Description
1	+	2159810225	1	ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)
2		7127272850	2	CAP SCREW, M20X120 HEX HEAD
3		80023971	3	F Washer 21x90x6.4
4		7949000236	4	FLAT WASHER, 3/4"
5		7661271104	2	NUT, M20-10 HEX LOCK
6		7126191750	2	CAP SCREW, M10 X 50MM HEX HEAD
7		7910101859	1	CAC TUBE
8		7638100033	2	MOUNT, 2-PC ISOLATOR
9		80034608	1	RADIATOR TUBE
10		7926000014	1	VALVE-DRAIN COCK
11		7300000243	1	CLAMP, TUBING 3/4" I.D.
12		6199100104	1	BUSHING
13		6705171095	1	PLATE, MOUNT
14		80023972	1	F Washer 18x90x3.0
15		7949000259	1	WASHER, 5/8" I.D.
16		7127242653	1	CAP SCREW, M16X100 HEX HEAD
17		7300000006	1	CLAMP, HOSE
18		7949000235	4	WASHER, 1/2" I.D. FLAT
19		7126211150	1	CAP SCREW, M12 X 20MM HEX HEAD
20		7951210014	1	WASHER, FLAT #12
21		7300000404	4	CLAMP, 1" TUBING
22		7951170210	8	WASHER, LOCK 8MM
23		7661171103	3	NUT, HEX 8MM N.C.
24		80034618	1	CLAMP BRACKET
25		7300001083	1	CLAMP, MUFFLER
26		7300001018	1	ZINC MUFFLER CLAMP
27		7300000461	2	CLAMP, T-BOLT
28		7406000537	1	BELLOWS
29		7300000040	2	CLAMP, HOSE 29/32" I.D.
30		7300000101	1	CLAMP, TUBING 1/2" I.D.
31		7300100014	2	CLAMP, 5/8" TUBING

+ SEE FURTHER BREAKDOWN THIS GROUP

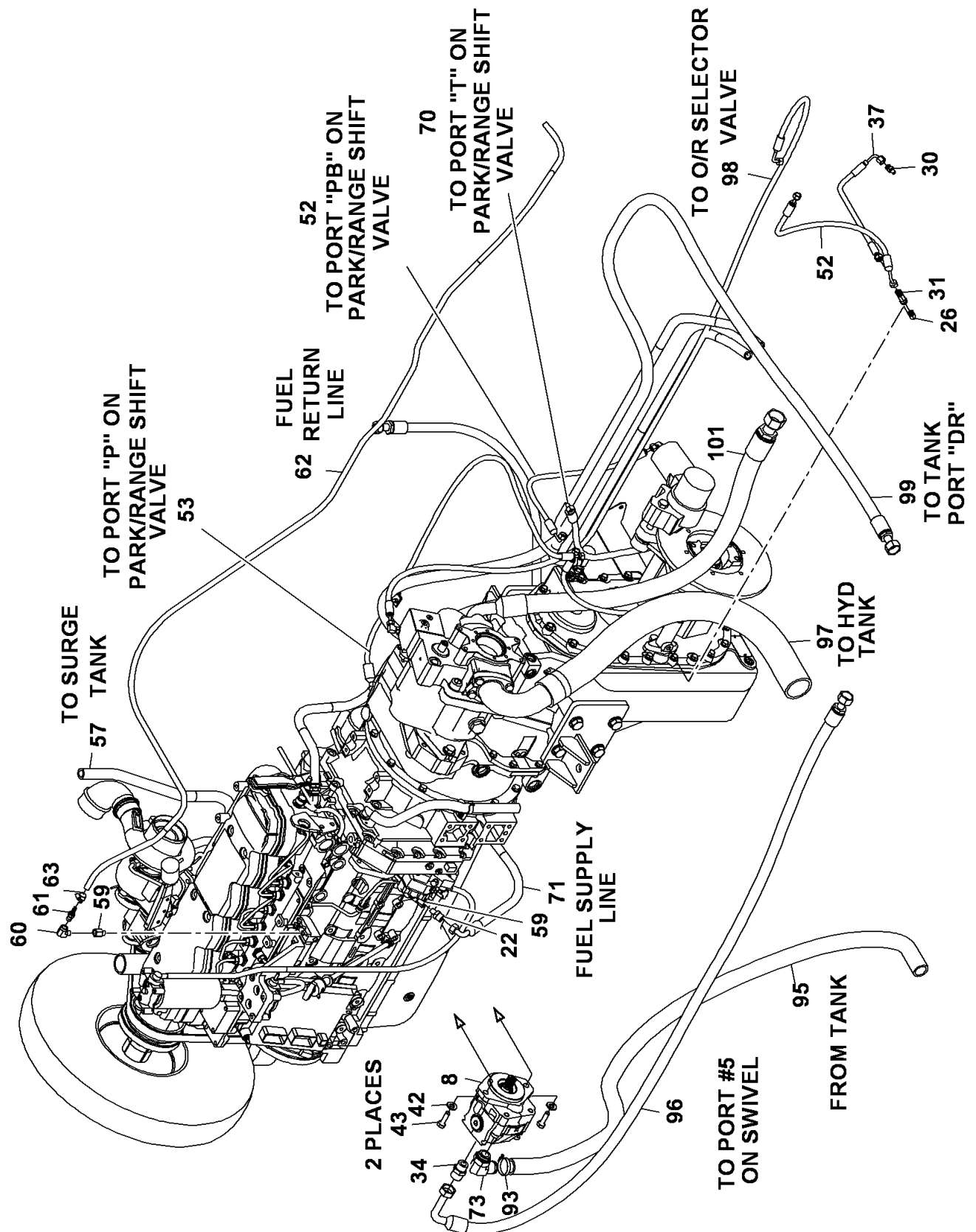
SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description ENGINE INSTALLATION				Assembly No. 2159810224 Revision: E
Item	FN	Part	Qty	Description
32		7126171253	11	CAP SCREW, M8X25 HEX HEAD
33		7951170014	15	WASHER, FLAT #8
34		7660152701	2	LOCKNUT 5/16" - 18 N.C.
35		7661210003	2	NUT, HEX 12MM N.C.
36		7126211853	2	CAP SCREW, M12X55 HEX HEAD
37	#	7638100029	1	MOUNT, 2 PIECE ISOLATOR
38		7949000263	3	WASHER, HARDENED
39		7126191253	3	CAP SCREW, M10 X 25 HEX HEAD
40		7910101627	1	TUBE, DIPSTICK
41		7300000246	2	CLAMP, TUBING 1-1/4" I.D.
42		4159810079	1	BRACKET
43		7418100004	1	STRAP, RUBBER
44		7486100132	1	DIPSTICK
45	+	80022000	1	BRAKE ASSEMBLY-PARKING
46		7447040403	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755904002	1	O-RING
47		7561103003	1	HOSE ASSY, 1/4" I.D. X 30" LONG
48		7115181450	4	CAP SCREW, 1/2" - 13 N.C. X 1 3/4"
49	#	7450000375	2	FLANGE, SPLIT
50		7755232002	1	O-RING
51		7910101464	1	TUBE ASSY, PUMP INLET
52		7300001103	1	CLAMP, T-BOLT
53		7566503700	1	HOSE ASSY
54		4159810078	1	BRACKET

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+ SEE FURTHER BREAKDOWN THIS GROUP



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Manitowoc Cranes

Description

ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)

Assembly No.

2159810225

Revision: **J**

Item	FN	Part	Qty	Description
2	+	80011908	1	TRANSMISSION ASSEMBLY - 3 SPEED 12 VOLT (COMPLETE ASSEMBLY)
3		7029100003	1	ALTERNATOR
5		2159810022	1	MOUNT, TRANSMISSION
6		2159810023	1	MOUNT, TRANSMISSION
7	+	80022000	1	BRAKE ASSEMBLY-PARKING
8	+	7722100101	1	PUMP ASSEMBLY - GEAR (COMPLETE ASSEMBLY)
9	+	7722100100	1	PUMP ASSEMBLY - PISTON (COMPLETE ASSEMBLY)
10		7949000236	8	FLAT WASHER, 3/4"
11		7115221650	8	CAP SCREW, 3/4" - 10 N.C. X 2" GRADE 5
12		7949000263	15	WASHER, HARDENED
13		7126192650	4	CAP SCREW, M10 X 100MM HEX HEAD
14		8596910250	1	HOSE, HEATER 5/8" I.D. - 60.00" (QUANTITY IN FEET)
15		7300000035	2	CLAMP, HOSE 1 13/16" TO 2 3/4"
16		8596902521	1	1.75"ID X 2.13"OD WRAPPED HOSE
17		7300000006	1	CLAMP, HOSE
18		7445121253	1	ELBOW, 90 DEGREE
19		7649000005	1	NIPPLE
21		7649000059	2	NIPPLE, HOSE 5/8 ID TO 1/2 NPT
22		7447080428	1	ADAPTER, STRAIGHT MALE
23		7649000092	1	NIPPLE, HOSE
24		7649000062	1	NIPPLE
25		7126191550	11	CAP SCREW, M10 X 40MM HEX HEAD
26		7447040430	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
27		7445161217	1	REDUCING CONNECTOR
28		7888000045	1	TEE
29		7447040403	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)

Assembly No.

2159810225

Revision: **J**

Item	FN	Part	Qty	Description
30		7755904002	1	O-RING
		7447040428	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
31		7755904002	1	O-RING
		7447040434	1	TEE, MALE RUN INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
32		7755904002	1	O-RING
		7300000167	1	CLAMP, HOSE
33		7300000013	5	CLAMP, HOSE
34		7447121201	1	ADAPTER, STRAIGHT MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
35		7447040601	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755011002	1	O-RING
		7755906002	1	O-RING
37		7561101503	1	HOSE ASSY, 1/4" I.D. X 15" LONG
38		7950160050	8	WASHER, LOCK 3/8" I.D.
39		7108161450	8	CAP SCREW, 3/8" - 24 N.F. X 1 3/4" GRADE 8
40		7445060651	1	UNION, STRAIGHT
41		7926000557	1	VALVE, DRAIN
42		7949000235	4	WASHER, 1/2" I.D. FLAT
43		7126211454	2	CAP SCREW, M12X35 SOCKET HEAD
44		7445120809	2	ADAPTER, 45 DEGREE SWIVEL
45		7949000259	2	WASHER, 5/8" I.D.
46		7118201450	2	CAP SCREW, 5/8" - 11 N.C. X 1 3/4" GRADE 8
47		8596902527	2	HOSE, HEATER 3/8 ID X 11/16 OD
48		7542506663	1	HOSE ASSY, USE AS REQUIRED 7/8" I.D. X 66"
49		7126211253	2	CAP SCREW, M12 X 25MM HEX HEAD
50		8596902528	17	HOSE, 5/8" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Description

ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)

Assembly No.

2159810225

Revision: **J**

Item	FN	Part	Qty	Description
51		8596902528	4	HOSE, 5/8" I.D. (QUANTITY IN FEET)
52		7561103003	2	HOSE ASSY, 1/4"I.D. X 30" LONG
53		7561106003	1	1/4" I.D. X 60"
54		7561102003	1	1/4" I.D. X 20"
55		7649000061	1	NIPPLE, HOSE
56		7910101584	1	TUBE, LOWER RADIATOR
57		8596902529	4	HOSE, HEATER .75"ID X 1.12"OD
59		7013000405	2	ADAPTER
60		7445040453	1	ELBOW, 90 DEGREE
61		7649000042	1	NIPPLE, HOSE
62		8596931250	10	HOSE ASSY, 5/16" -650'REEL
63		7300000121	3	HOSE CLAMP -0.69"MAX
65		7447121003	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755910002	1	O-RING
66		7447121001	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755910002	1	O-RING
67		7447121233	1	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
68		7561503852	1	HOSE ASSY, 3/4"I.D.X 38" LONG
69		7561502452	1	HOSE ASSY, 3/4"I.D. X 24" LONG
70		7561203017	1	3/8" I.D. X 30"
71		7561308432	1	HOSE ASSY, 1/2"I.D. X 84" LONG
73		7013100047	1	ADAPTER,ORB TO HOSE BARB 20-16
74		4159810082	1	SUPPORT, PUMP
75	#	7450000254	2	FLANGE, SPLIT
76		7755222002	1	O-RING
77		7115181450	8	CAP SCREW, 1/2" - 13 N.C. X 1 3/4"
78	#	7450000375	2	FLANGE, SPLIT
79		7755232002	1	O-RING
80		7910101464	1	TUBE ASSY, PUMP INLET

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Manitowoc Cranes

Description

ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)

Assembly No.

2159810225

Revision: **J**

Item	FN	Part	Qty	Description
81	#	6794001567	1	GASKET
83		4159810060	1	PLATE, MOUNTING
84		7437100220	1	STRAINER, MESH
85		7926002329	2	VALVE, SHUT-OFF
86		7445080650	2	BUSHING, REDUCER
87		7300000246	2	CLAMP, TUBING 1-1/4" I.D.
88		7126191250	2	CAP SCREW, M10 X 25MM HEX HEAD
89		7951190210	5	LOCK WASHER, 10MM
90		7661190003	5	NUT, HEX 10MM
91		8596902528	4	HOSE, 5/8" I.D. (QUANTITY IN FEET)
92		7850000237	3	TIE, CABLE (BLACK) 7 5/16" LONG
93		7300100024	1	CLAMP, T-BOLT 1.75" NOM
94		7300100022	1	CLAMP, T-BOLT 3"
95		7566208000	1	HOSE ASSY, 1 1/4" ID
96		7555508503	1	HOSE ASSY, 3/4" ID X 85"
97		7566503700	1	HOSE ASSY
98		7555111021	1	HOSE ASSY, 1/4" ID
99		7555514390	1	HOSE ASSY, 3/4" ID
100		6978100956	1	ELECTRICAL SYSTEM INSTALLATION - ENGINE (NOT AVAILABLE AS ASSEMBLY)
101	+	7543109361	1	HOSE ASSY, 1 1/4" HYDRAULIC
102		7447121208	1	ELBOW, 45 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755018002	1	O-RING
		7755912002	1	O-RING
103		6794100011	1	GASKET, 2 BOLT HOLE
104		6794100012	1	GASKET, 2 BOLT HOLE
105		6794000650	1	GASKET
106		7872100179	1	SWITCH, TEMPERATURE 250 (N.C.)
107		7445160850	1	BUSHING, REDUCER
108		7447060830	1	ELBOW, 90 DEGREE MALE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755906002	1	O-RING

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+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description

ENGINE ASSEMBLY - CUMMINS QSB6.7 (NOT AVAILABLE AS ASSEMBLY)

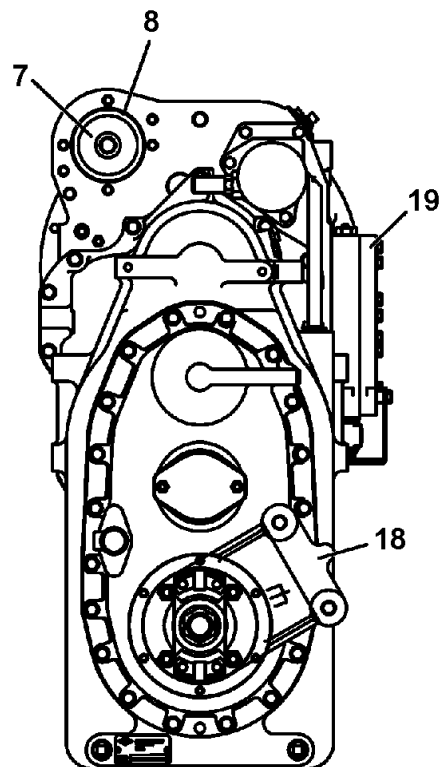
Assembly No.

2159810225

Revision: **J**

Item	FN	Part	Qty	Description
109		7447201628	1	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755025002	1	O-RING
		7755916002	1	O-RING
110		4159810078	1	BRACKET
111		7542508463	1	HOSE ASSY, 7/8" ID HOT ENG OIL
112		7447161201	2	ADAPTER, STRAIGHT INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
113		7447161203	2	ELBOW, 90 DEGREE INCLUDES THE FOLLOWING PARTS
		7755021002	1	O-RING
		7755912002	1	O-RING
114		4159810083	1	SUPPORT, PUMP
115		7126191253	3	CAP SCREW, M10 X 25 HEX HEAD
300		9414101679	1	FILTER,OIL
301		9414101755	1	FILTER, PRIMARY FUEL
302		9414101756	1	FILTER, FUEL/WATER SEPARATOR
303		9414101764	1	BELT, DRIVE
304		9414101731	1	STARTER, 12 VOLT

Manitowoc Cranes



Manitowoc Cranes

Description

**TRANSMISSION ASSEMBLY - 3 SPEED 12 VOLT
(COMPLETE ASSEMBLY)**

Assembly No.

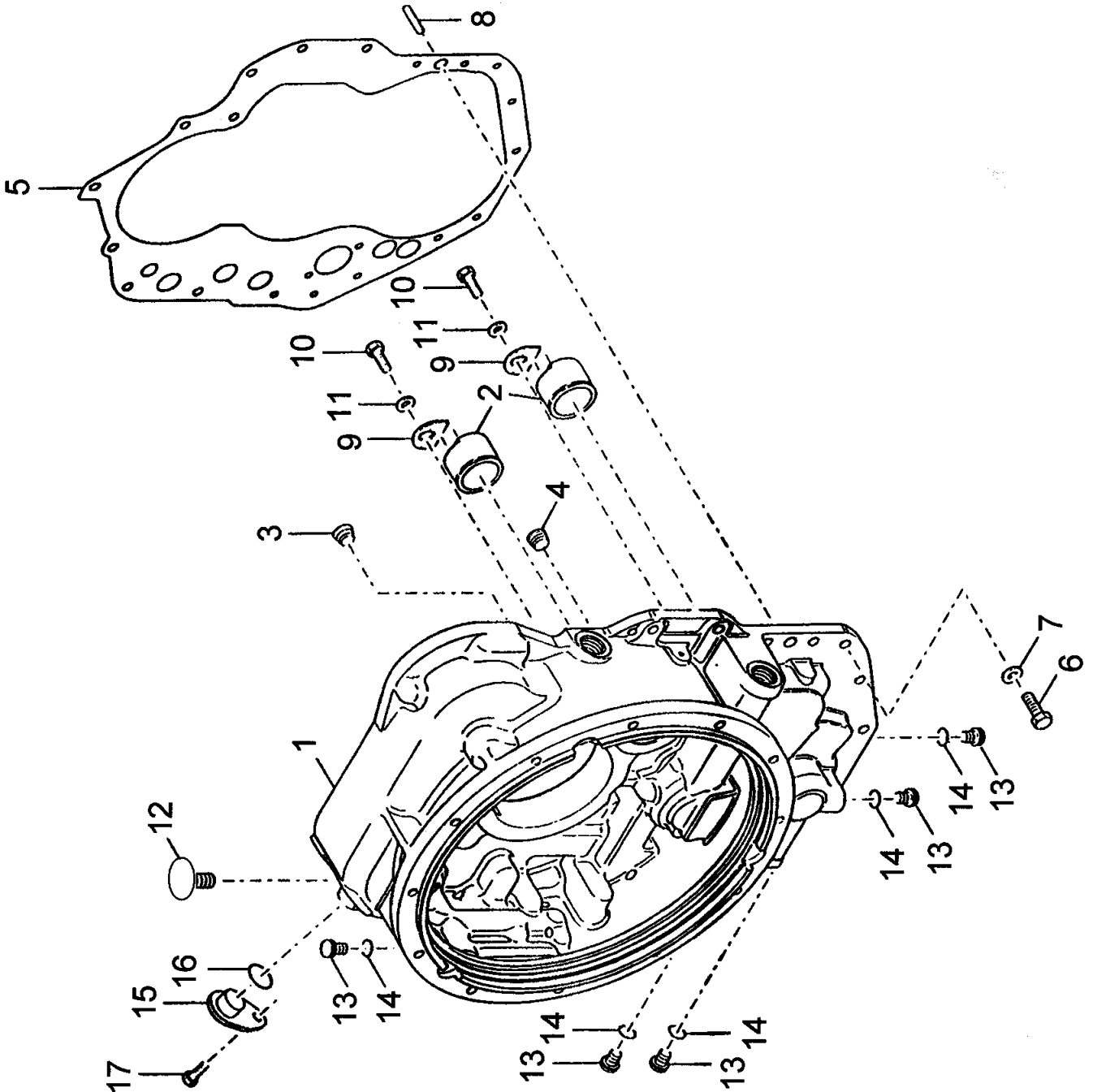
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Revision:

Item	FN	Part	Qty	Description
1	+	9904110609	1	CONVERTER HOUSING GROUP
2	+	9904109807	1	CASE & REAR COVER GROUP
3	+	9904110611	1	TURBINE SHAFT GROUP
4	+	9904110612	1	DRIVE PLATE GROUP
5	+	9904110613	1	TORQUE CONVERTER GROUP
6	+	9904110614	1	GEAR GROUP
7	+	9904110615	1	AUXILIARY PUMP DRIVE GROUP
8	+	9904110616	1	PUMP DRIVE GROUP
9	+	9904110617	1	FORWARD SHAFT GROUP
10	+	9904110618	1	REVERSE & 2ND. SHAFT GROUP
11	+	9904110619	1	REVERSE IDLER GROUP
12	+	9904110620	1	LOW SPEED SHAFT GROUP
13	+	9904110621	1	3RD. SHAFT GROUP
14	+	9904110622	1	IDLER SHAFT GROUP
15	+	90015440	1	OUTPUT SHAFT GROUP
16	+	9904110624	1	HI/LOW RANGE SHIFT CONT. GROUP
17	+	9904110625	1	DISC BRAKE GROUP
18	+	9904110626	1	CHARGE PUMP & FILTER GROUP
19	+	9904110627	1	CONTROL VALVE MOUNTING GROUP
20	+	9904110628	1	CONTROL VALVE ASSY. GROUP
30		9904109671	1	KIT, SEAL SEAL KIT FOR COMPLETE ASSY. NOT SHOWN

+ SEE FURTHER BREAKDOWN THIS GROUP

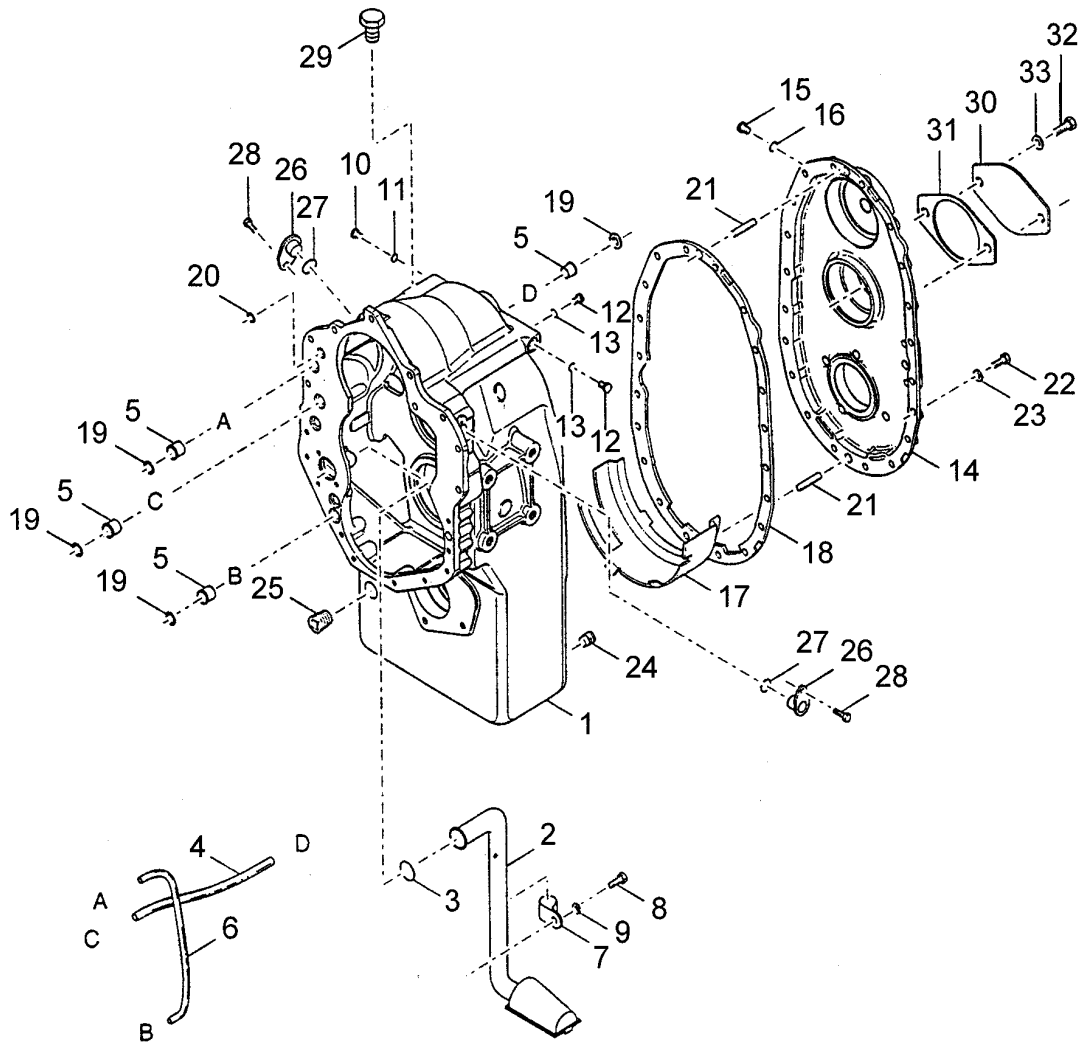
Manitowoc Cranes



Manitowoc Cranes

Description CONVERTER HOUSING GROUP				Assembly No. 9904110609 Revision:
Item	FN	Part	Qty	Description
1		9904109562	1	HOUSING, CONVERTER
2		9904105940	2	SLEEVE
3		9904103913	1	PLUG
4		9904104055	1	PLUG
5		9904109563	1	CASE, GASKET
6		7118171050	18	CAP SCREW,
7		7950170050	18	WASHER, LOCK 7/16" I.D.
8		9904109564	1	PIN, DOWEL
9		9904101298	2	LOCK, PLATE
10		9049101125	2	BOLT, CAP SCREW
11		7950150050	2	WASHER, LOCK 5/16" I.D.
12		9904104050	1	BREATHER
13		9904108396	5	PLUG
14		9904106445	5	O-RING
15		9904109356	1	PLUG
16		9904109357	1	O-RING
17		9904109358	1	CAP SCREW

Manitowoc Cranes



Manitowoc Cranes

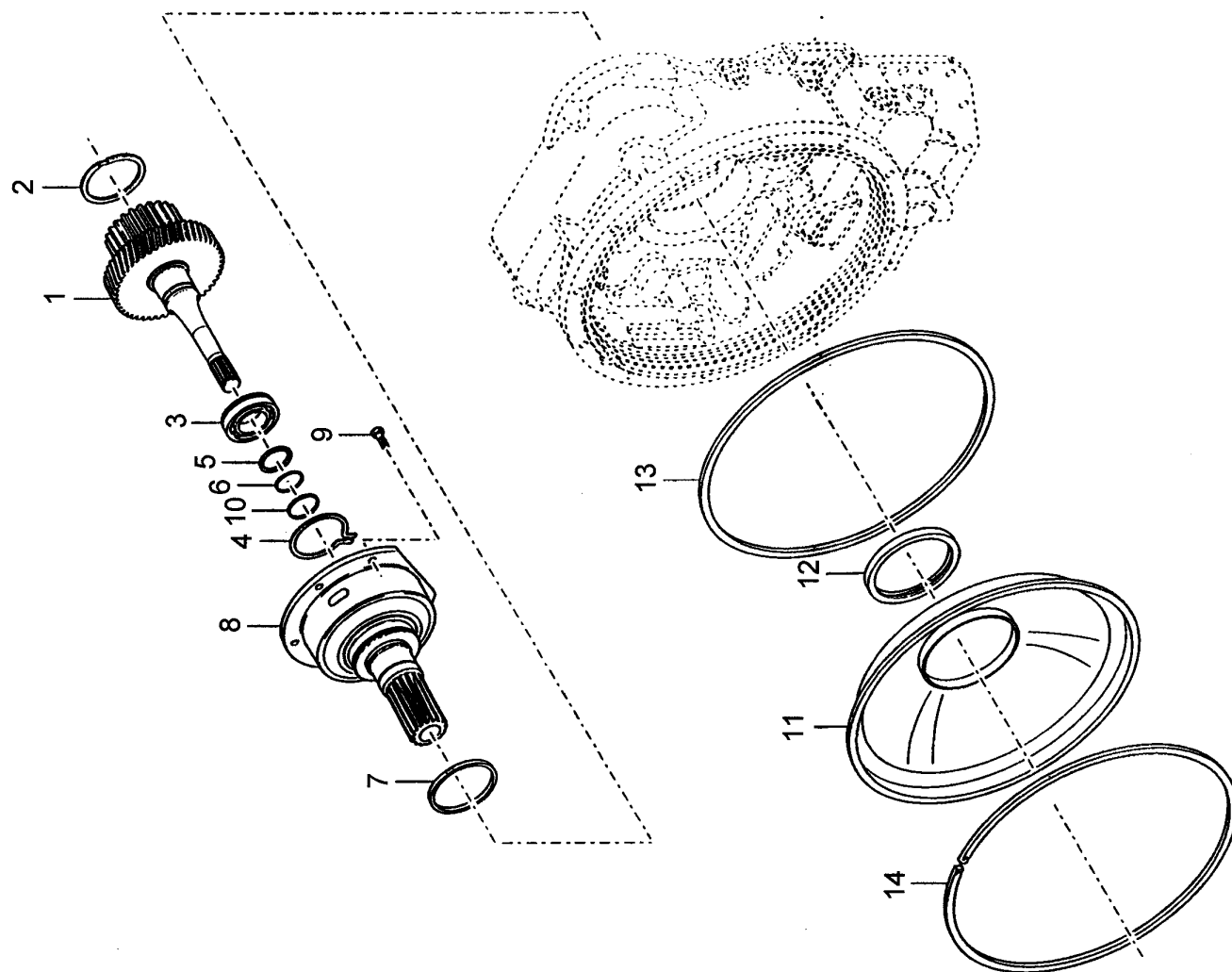
Description				Assembly No.
CASE & REAR COVER GROUP				9904109807
				Revision:
Item	FN	Part	Qty	Description
1		9904109567	1	CASE ASSEMBLY INCLUDES NBR 2 - 9
2		9904109569	1	TUBE ASSEMBLY, SUCTION
3		9904109570	1	O-RING
4		9904103551	1	TUBE
5		9904100993	4	SLEEVE, TUBE
6		9904109568	1	TUBE, THIRD SPEED
7		9904109571	1	CLIP, TUBE
8		9904103916	1	SCREW,
9		7950170050	1	WASHER, LOCK 7/16" I.D.
10		9904108396	1	PLUG
11		9904106445	1	O-RING
12		9904106063	2	PLUG WITH O-RING INCLUDES THE FOLLOWING PARTS
		9904105336	1	O-RING
13		9904105336	2	O-RING
14		9904109565	1	COVER, REAR AND PLUG ASSEMBLY INCLUDES NBR 15
15		9904108396	1	PLUG INCLUDES NBR 16
16		9904106445	1	O-RING
17		9904109572	1	BAFFLE, OIL
18		9904109566	1	CASE, GASKET
19		9904103779	4	O-RING POLYACUL
20		9904103500	1	O-RING
21		9904109564	2	PIN, DOWEL
22		9049101150	20	CAP SCREW,
23		7950170050	20	WASHER, LOCK 7/16" I.D.
24		9904101317	2	PLUG, MAGNETIC
25		9904108964	1	PLUG, DRAIN
26		9904109356	2	PLUG
27		9904109357	2	O-RING
28		9904109358	2	CAP SCREW
29		9049100054	1	PLUG, FILLER
30		9904105442	1	COVER
31		9904105441	1	GASKET

Manitowoc Cranes

Description				Assembly No.
CASE & REAR COVER GROUP				9904109807
				Revision:
Item	FN	Part	Qty	Description
32		9049100263	2	CAPSCREW
33		7950160050	2	WASHER, LOCK 3/8" I.D.

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

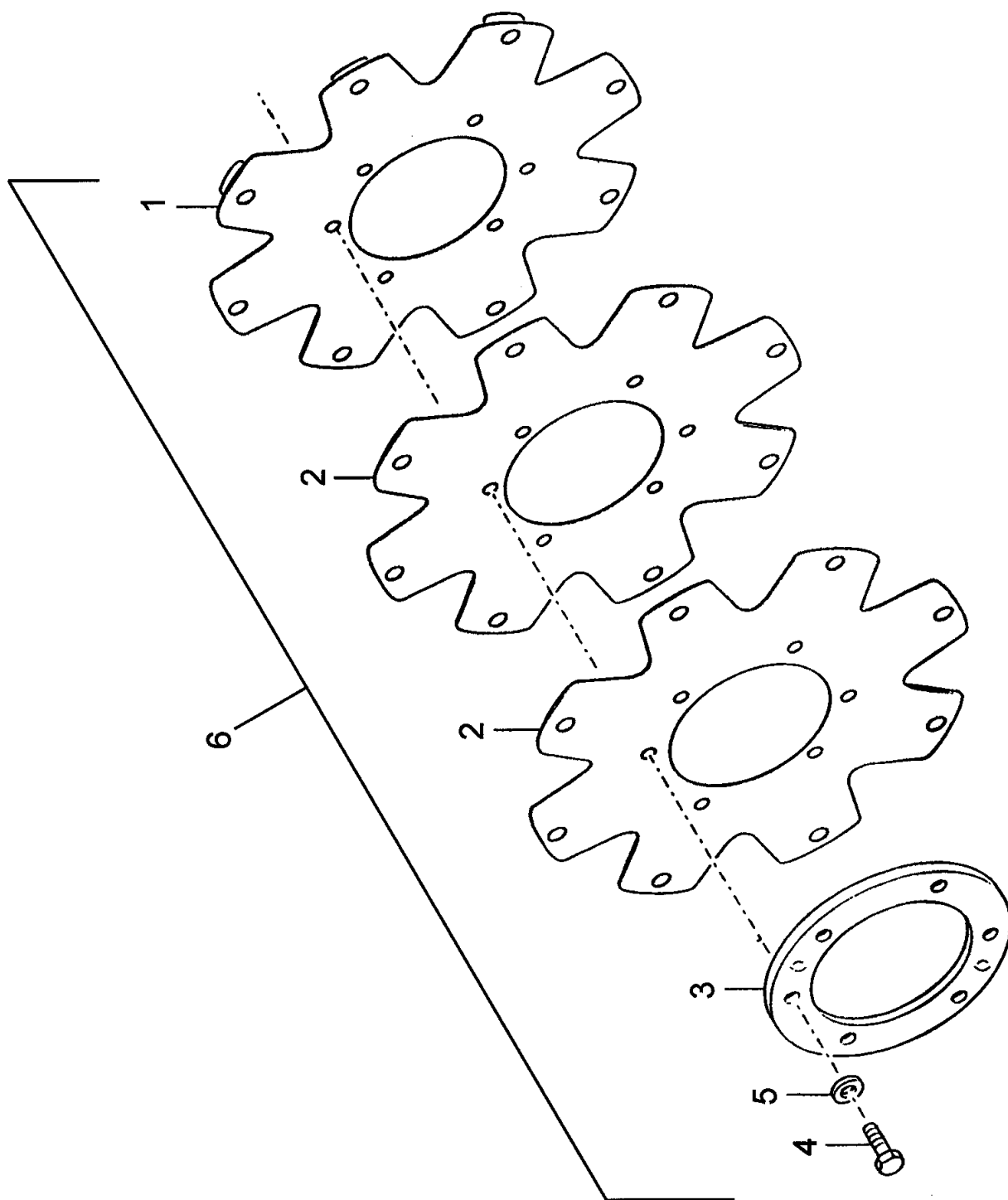
TURBINE SHAFT GROUP

Assembly No.

9904110611

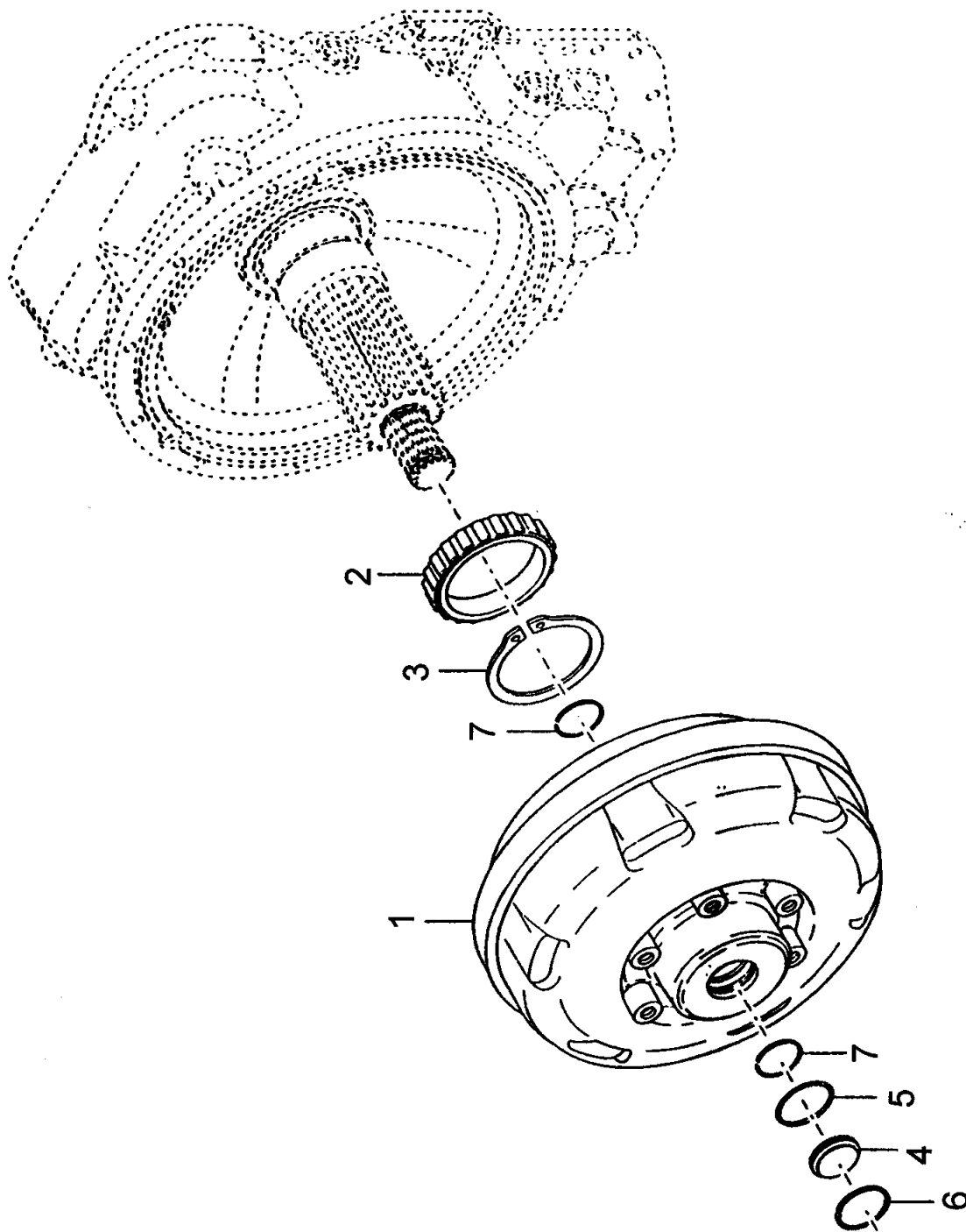
Revision:

Item	FN	Part	Qty	Description
1		9904109573	1	SHAFT & HUB W/ RETAINING RING INCLUDES ITEM 2
2		9904105286	1	RING, SNAP
3		9904109574	1	BEARING, SHAFT
4		9904103906	1	RING, SNAP
5		9904103595	1	WASHER
6		9904103621	1	RING, RETAINING
7		9904109575	1	RING, PISTON
8		9904109576	1	STATOR, SUPPORT
9		9904109704	6	SCREW,
10		9904109646	1	PISTON RING
11		9904105958	1	BAFFLE AND SEAL INCLUDES ITEM 12
12		9904109139	1	SEAL,OIL
13		9904105957	1	RING, SEAL
14		9904106400	1	RING, RETAINING



Manitowoc Cranes

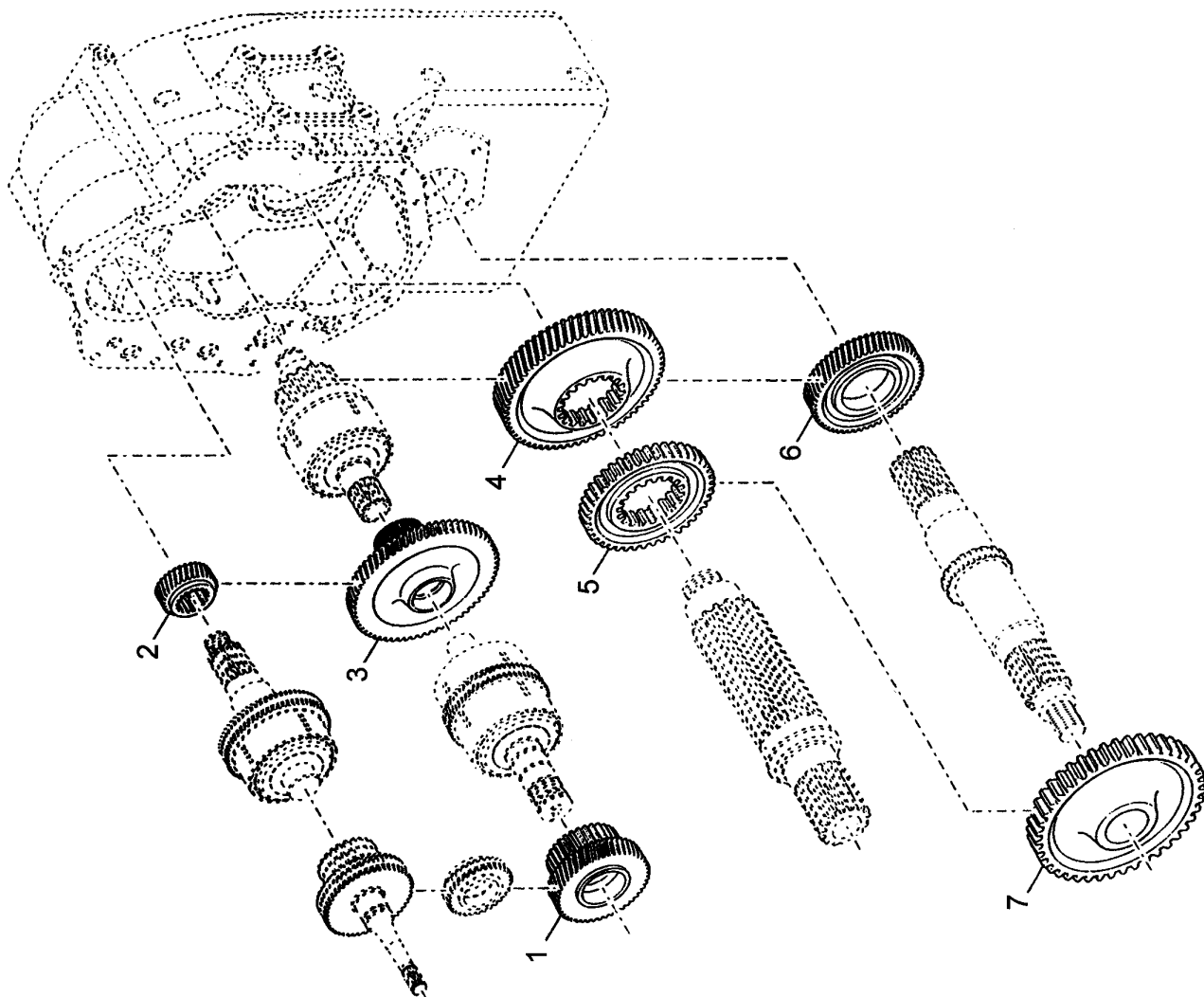
<u>Description</u> DRIVE PLATE GROUP				<u>Assembly No.</u> 9904110612 Revision:
Item	FN	Part	Qty	Description
1		NSS	1	DRIVE PLATE
2		NSS	1	FLEX PLATE
3		9904109579	1	RING, BACKING
4		9904110596	6	CAPSCREW
5		9904109352	6	WASHER, LOCK
6		9904109669	1	KIT,DRIVE PLATE INCLUDES ITEMS 1 THRU 5



Manitowoc Cranes

Description TORQUE CONVERTER GROUP				Assembly No. 9904110613 Revision:
Item	FN	Part	Qty	Description
1		9904109582	1	CONVERTER ASSEMBLY - TORQUE
2		9904104428	1	BEARING
3		9904109583	1	RING, SNAP
4		9904103528	1	PLUG
5		9904109561	1	O-RING
6		9904106408	1	RING, RETAINING
7		9904109581	2	RING, SNAP

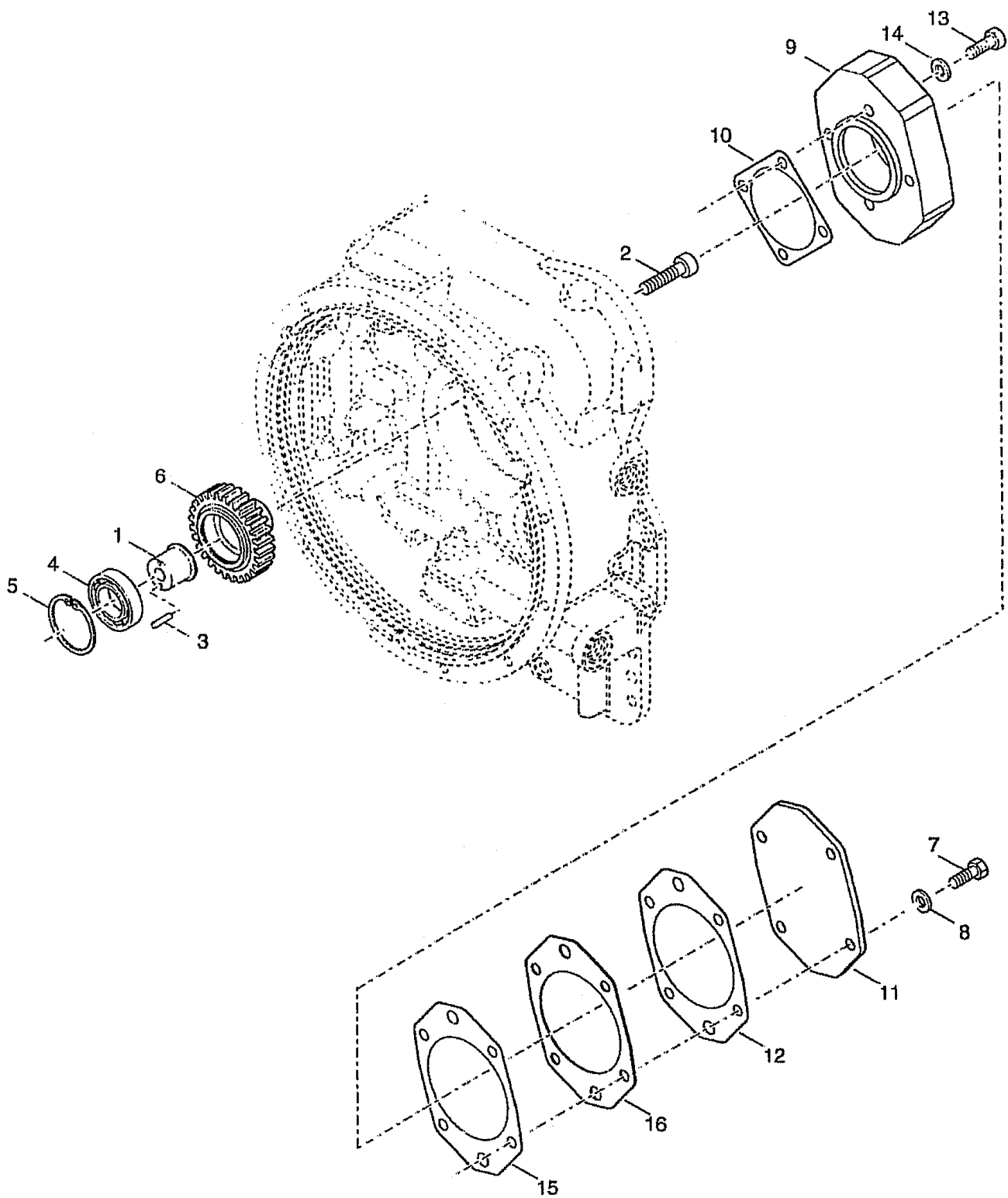
Manitowoc Cranes



Manitowoc Cranes

Description GEAR GROUP				Assembly No. 9904110614 Revision:
Item	FN	Part	Qty	Description
1		9904109649	1	GEAR, REVERSE CLUTCH 43T
2		9904109653	1	DRIVE GEAR
3		9904109651	1	GEAR, LOW CLUTCH 63T
4		9904109652	1	REAR IDLER GEAR
5		9904109815	1	GEAR, IDLER FRONT 21T
6		9904109613	1	GEAR, HIGH RANGE 41T
7		9904109816	1	GEAR, LOW RANGE 42T

Manitowoc Cranes



Manitowoc Cranes

Description

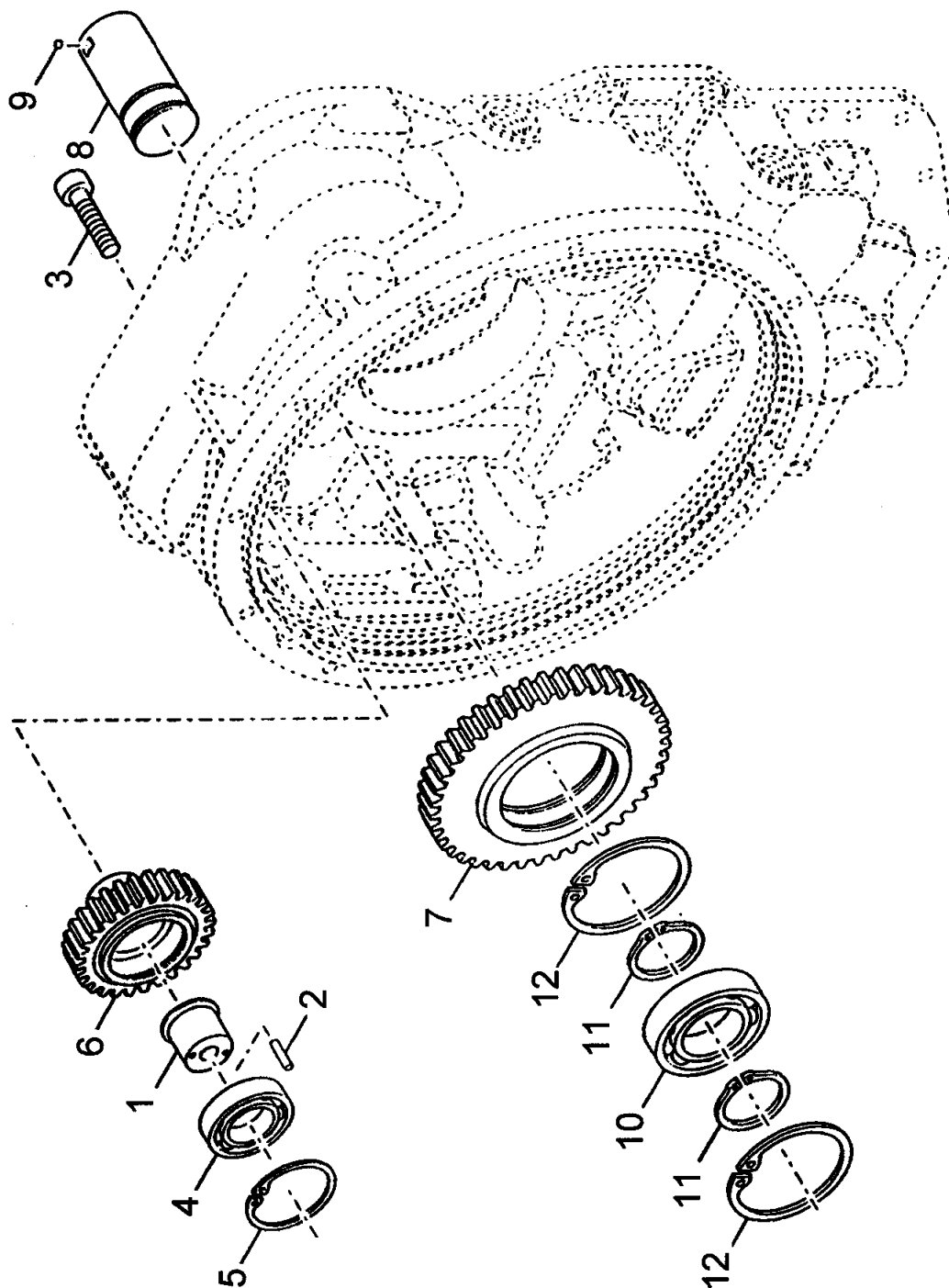
AUXILIARY PUMP DRIVE GROUP

Assembly No.

9904110615

Revision:

Item	FN	Part	Qty	Description
1		9904109585	1	SUPPORT, BEARING
2		9904109584	1	SCREW
3		9904109588	1	PIN
4		9904104432	1	BEARING
5		9904103899	1	RING, RETAINING
6		9904110597	1	GEAR, 37T
7		9904109554	4	CAP SCREW,
8		9049109896	4	WASHER, LOCK
9		9904110598	1	ADAPTER, PUMP MOUNT
10		9904106593	1	GASKET
11		9904110601	1	COVER
12		9904110599	1	GASKET
13		9904110600	4	CAPSCREW
14		9904109676	4	WASHER, LOCK
15		9904110599	1	GASKET
16		9904110602	1	PLATE



Manitowoc Cranes

Description

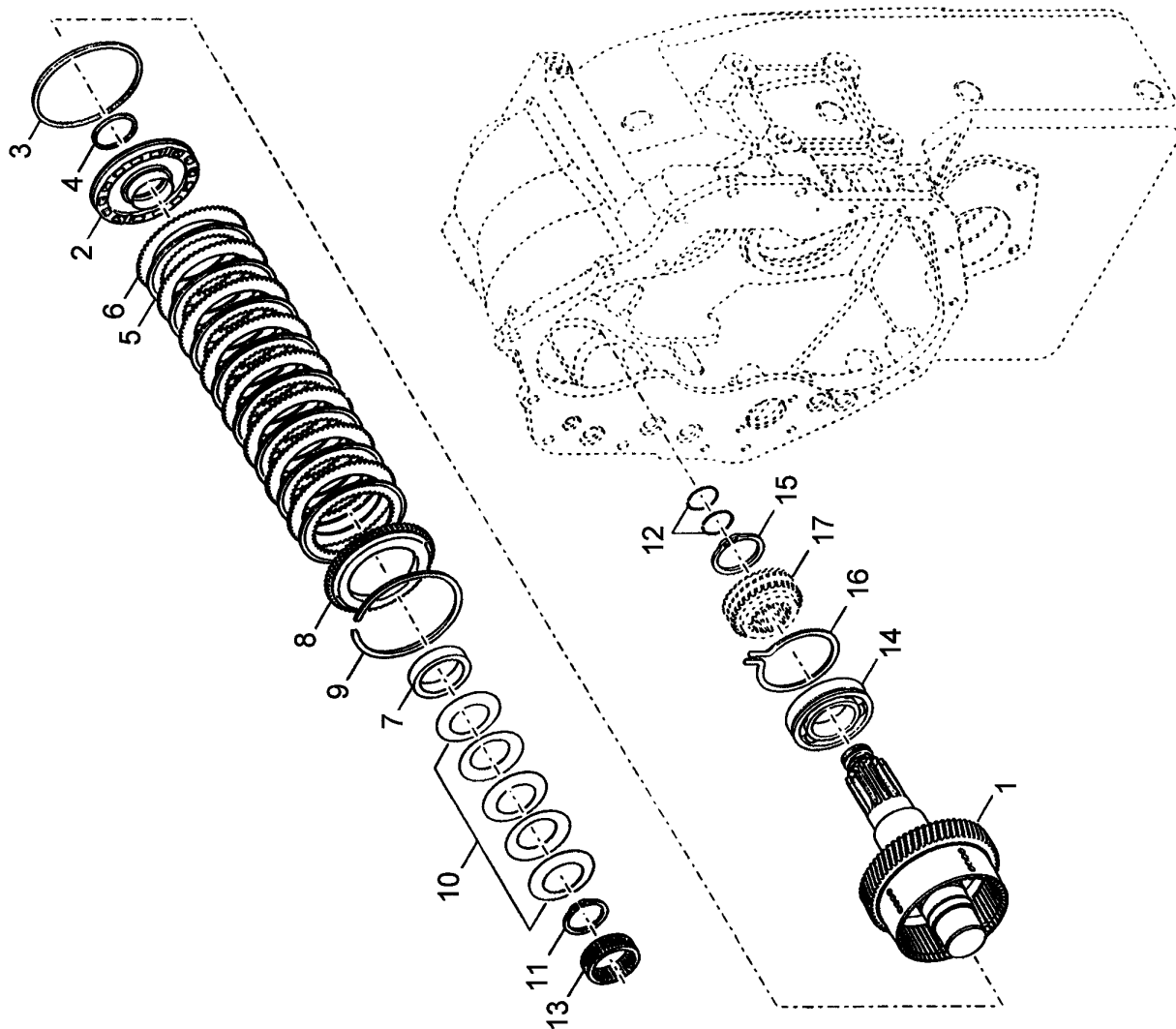
PUMP DRIVE GROUP

Assembly No.

9904110616

Revision:

Item	FN	Part	Qty	Description
1		9904109590	1	GEAR, IDLER
2		9904109588	1	PIN
3		9904109584	1	SCREW
4		9904104432	1	BEARING
5		9904103899	1	RING, RETAINING
6		9904109705	1	GEAR, PUMP DRIVE
7		9904109590	1	GEAR, IDLER
8		9904104424	1	SHAFT
9		9904101025	1	BALL, LOCK
10		9904104423	1	BEARING
11		9904103893	2	RING, LOCATING
12		9904101354	2	RING, SNAP



Manitowoc Cranes

Description

FORWARD SHAFT GROUP

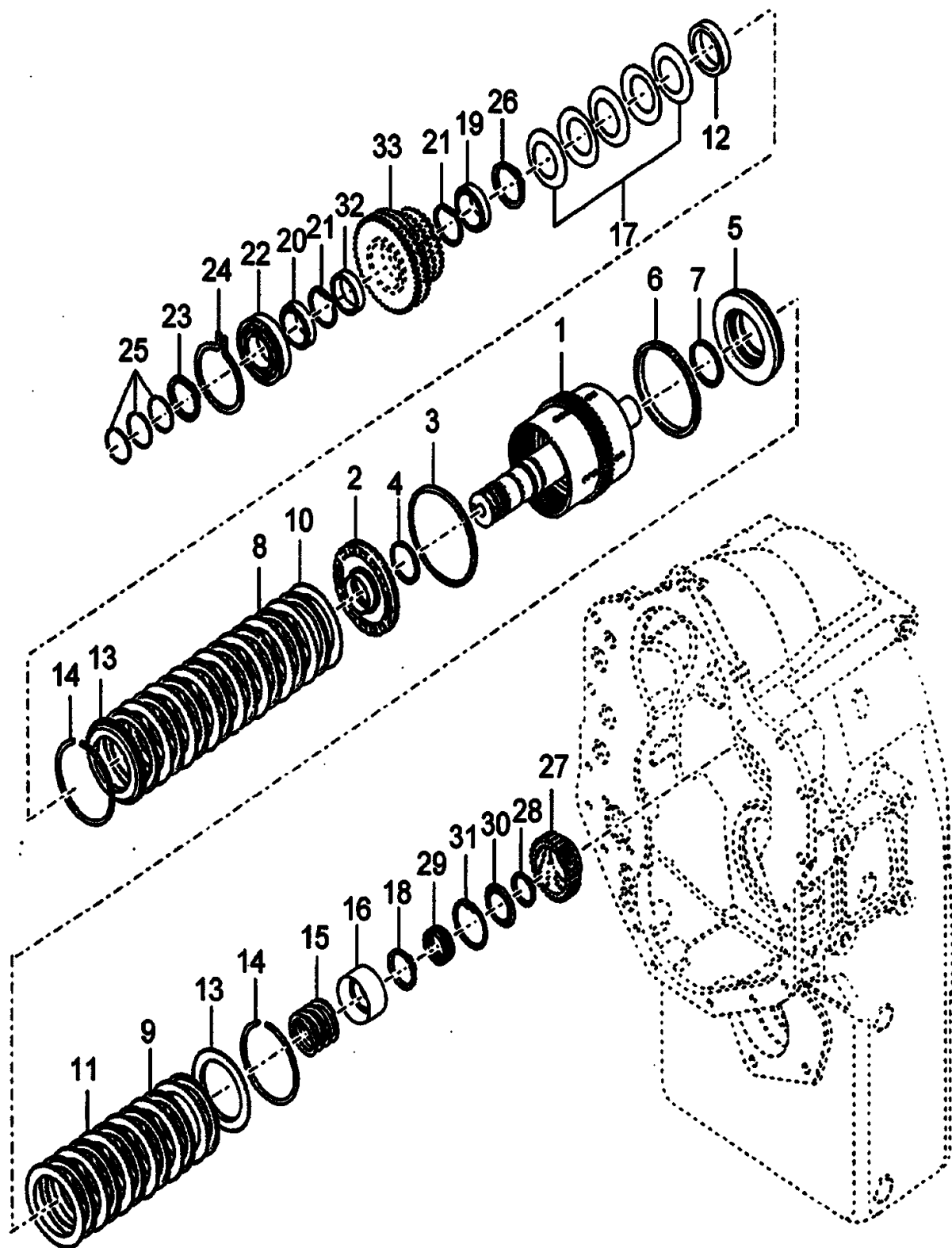
Assembly No.

9904110617

Revision:

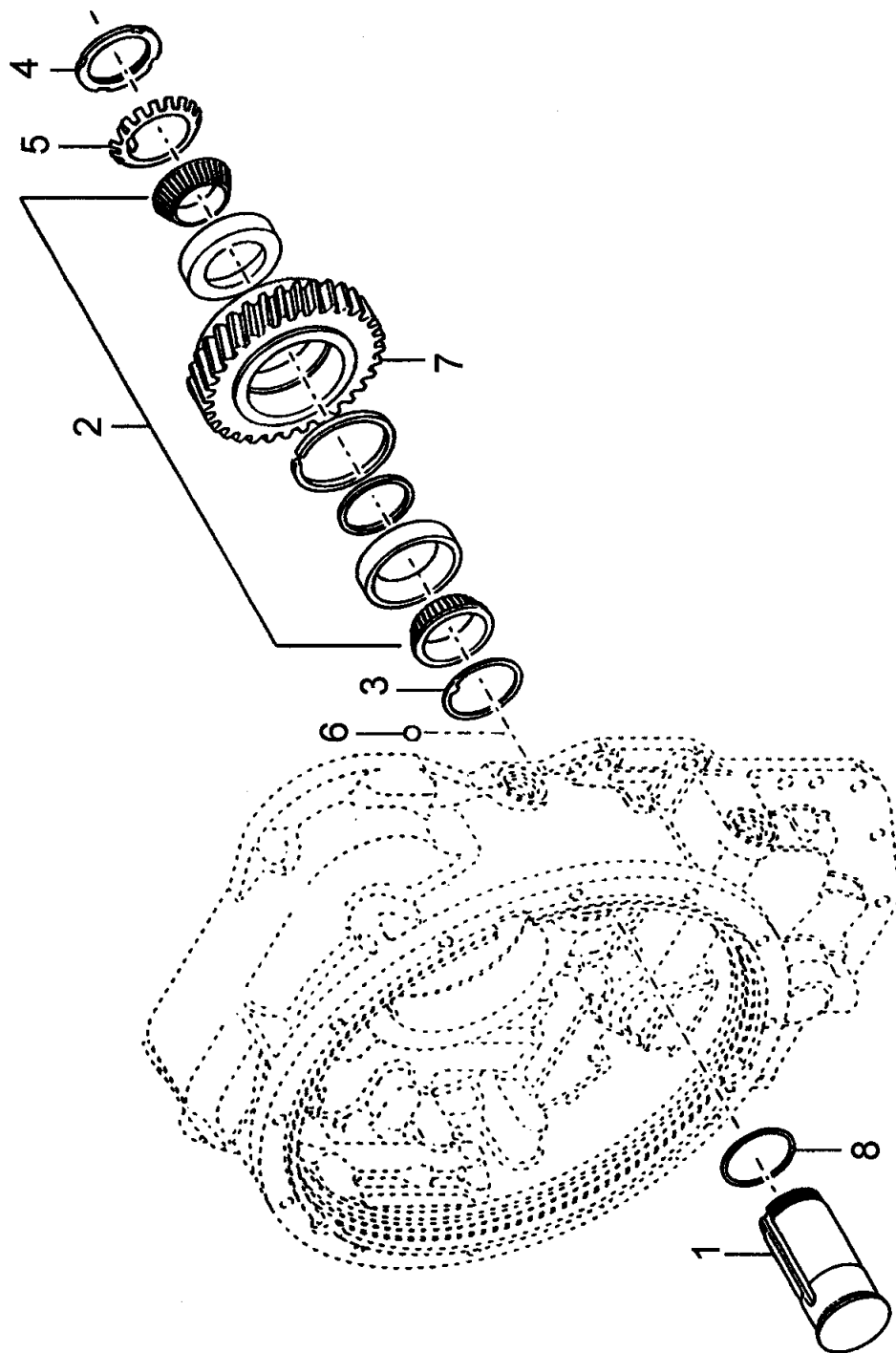
Item	FN	Part	Qty	Description
1		9904110463	1	FWD SHAFT & DRUM ASSY.
2		9904108934	1	PISTON ASSY, CLUTCH
3		9904103637	1	SEAL, PISTON
4		9904103638	1	SEAL, PISTON
5		9904103988	1	DISC, CLUTCH
6		9904103635	8	DISC, CLUTCH
7		9904103982	1	SPACER
8		9904110464	1	PLATE, END
9		9904103632	1	RING, SNAP
10		9904107838	1	SPRING ASSY
11		9904103980	1	RING, SNAP
12		9904110465	2	RING, PISTON
13		9904103575	1	BEARING, PILOT
14		9904109592	1	BEARING
15		9904103983	1	RING, SNAP
16		9904109593	1	RING, RETAINING
17		9904109653	1	DRIVE GEAR

Manitowoc Cranes



Manitowoc Cranes

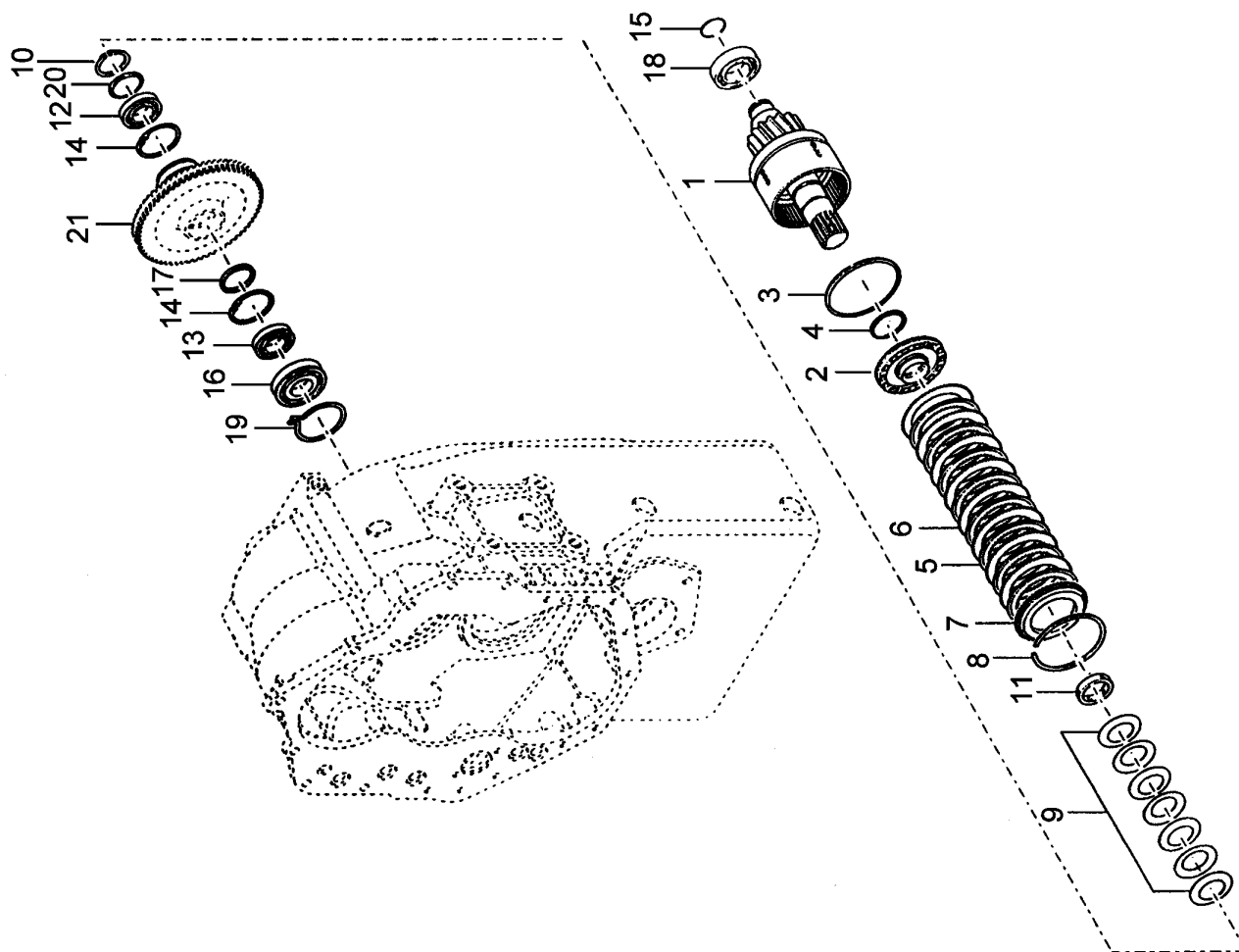
Description REVERSE & 2ND. SHAFT GROUP				Assembly No. 9904110618 Revision:
Item	FN	Part	Qty	Description
1		9904110466	1	REV. & 2ND, SHAFT & DRUM ASSY
2		9904108934	1	PISTON ASSY, CLUTCH INCLUDES ITEMS 3 AND 4
3		9904103637	1	SEAL, PISTON
4		9904103638	1	SEAL, PISTON
5		9904110467	1	PISTON ASSY.
6		9904103637	1	SEAL, PISTON
7		9904103638	1	SEAL, PISTON
8		9904103988	8	DISC, CLUTCH
9		9904103988	6	DISC, CLUTCH
10		9904103635	8	DISC, CLUTCH
11		9904103635	6	DISC, CLUTCH
12		9904103982	1	SPACER
13		9904110464	2	PLATE, END
14		9904103638	2	SEAL, PISTON
15		9904103569	1	SPRING
16		9904103568	1	RETAINER, SPRING
17		9904107838	1	SPRING ASSY
18		9904103567	1	RING, SNAP
19		9904109595	1	BEARING
20		9904109647	1	BEARING
21		9904103563	2	RING, RETAINING
22		9904105994	1	BEARING, FRONT
23		9904108558	1	KEY
24		9904101348	1	RING, SNAP
25		9904110465	3	RING, PISTON
26		9904103980	1	RING, SNAP
27		9904109597	1	HUB, DISC SECOND CLUTCH
28		9904103567	1	RING, SNAP
29		9904109648	1	REAR BEARING
30		9904105981	1	RETAINER, SPRING
31		9904105997	1	RING, RETAINING
32		9904109594	1	SPACER
33		9904109649	1	GEAR, REVERSE CLUTCH 43T



Manitowoc Cranes

<u>Description</u> REVERSE IDLER GROUP				<u>Assembly No.</u> 9904110619 Revision:
Item	FN	Part	Qty	Description
1		9904109598	1	SHAFT, REVERSE IDLER
2		9904104053	1	BEARING ASSEMBLY
3		9904109599	1	WASHER, THRUST
4		9904109601	1	NUT
5		9904109600	1	WASHER, THRUST
6		9904105989	1	BALL, LOCK
7		9904109602	1	GEAR, REVERSE IDLER
8		9904106805	1	O-RING

Manitowoc Cranes



Manitowoc Cranes

Description

LOW SPEED SHAFT GROUP

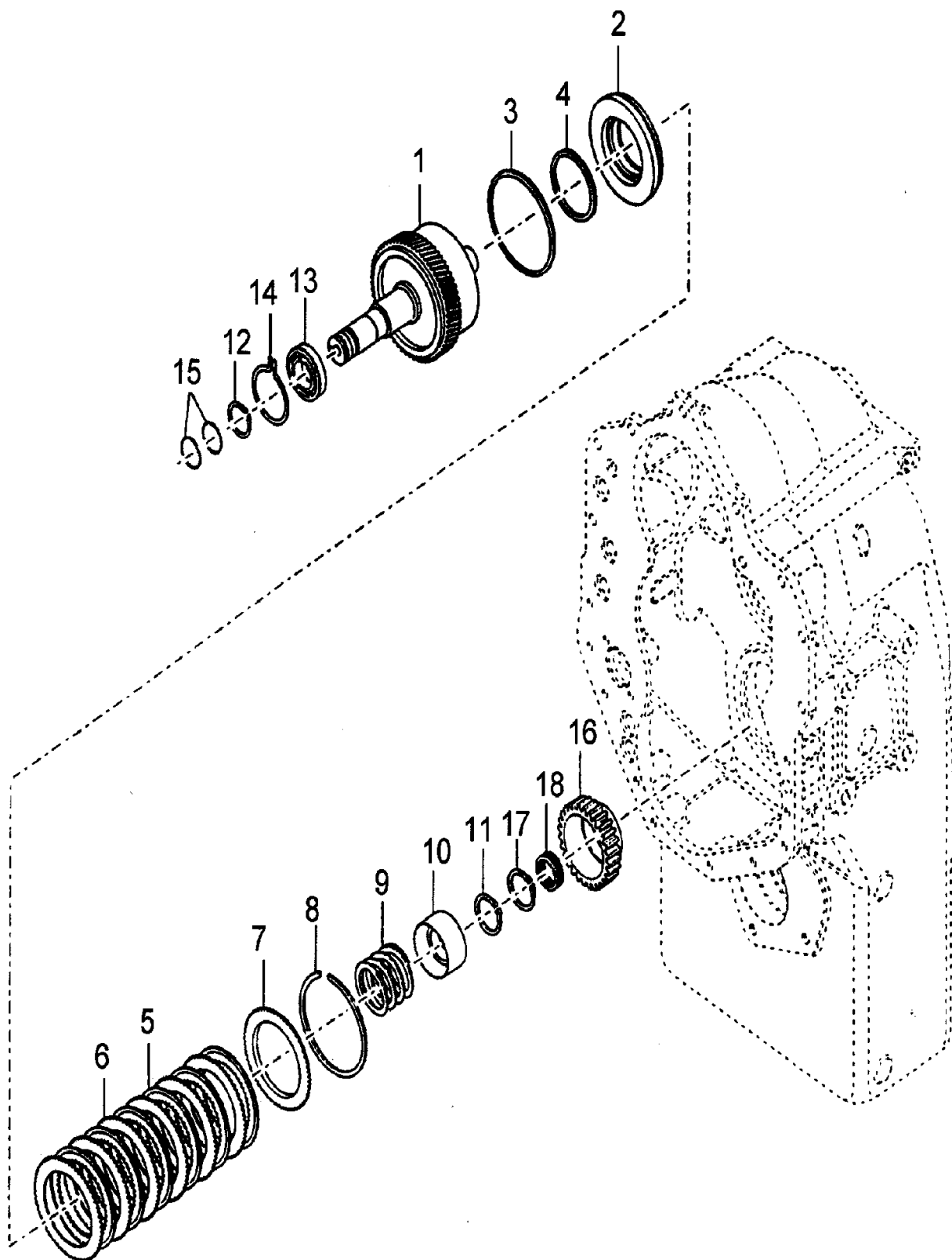
Assembly No.

9904110620

Revision:

Item	FN	Part	Qty	Description
1		9904109603	1	LOW SHAFT,HUB & DRUM W/ VALVE
2		9904108934	1	PISTON ASSY, CLUTCH
3		9904103637	1	SEAL, PISTON
4		9904103638	1	SEAL, PISTON
5		9904103987	8	DISC, CLUTCH
6		9904103635	8	DISC, CLUTCH
7		9904110464	1	PLATE, END
8		9904103632	1	RING, SNAP
9		9904107783	1	SPRING, DISC
10		9904103567	1	RING, SNAP
11		9904109650	1	DISC SPRING SPACER
12		9904101353	1	BEARING, GEAR
13		9904106000	1	BEARING, REAR
14		9904106001	2	RING, SNAP
15		9904108795	1	RING, PISTON
16		9904109574	1	BEARING, SHAFT
17		9904106002	1	SPACER
18		9904109604	1	BEARING
19		9904103906	1	RING, SNAP
20		9904107784	1	RETAINER, SPRING
21		9904109651	1	GEAR, LOW CLUTCH 63T

Manitowoc Cranes



Manitowoc Cranes

Description

3RD. SHAFT GROUP

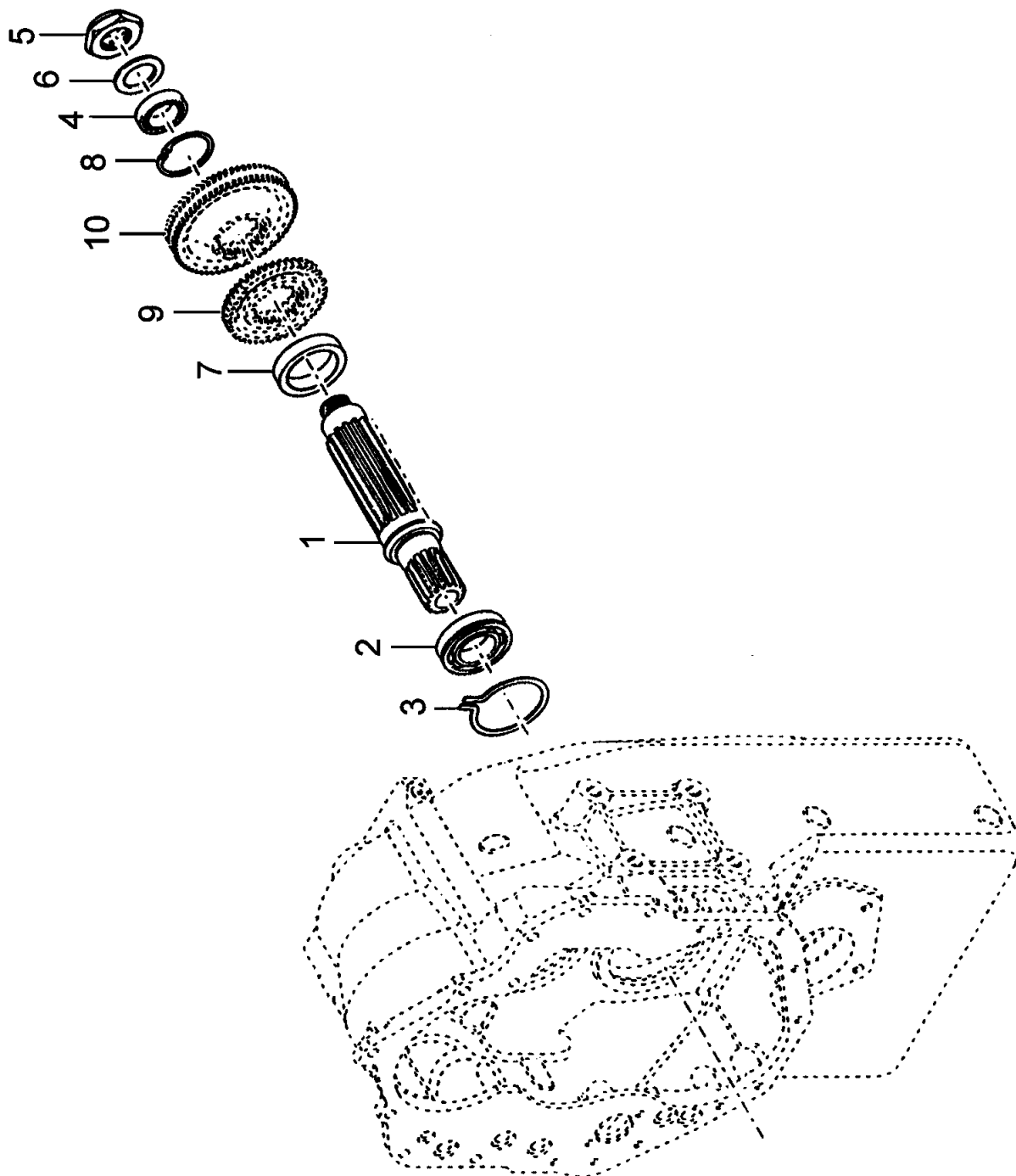
Assembly No.

9904110621

Revision:

Item	FN	Part	Qty	Description
1		9904110468	1	3rd. SHAFT & DRUM ASSY.
2		9904110467	1	PISTON ASSY.
3		9904103637	1	SEAL, PISTON
4		9904103638	1	SEAL, PISTON
5		9904103988	6	DISC, CLUTCH
6		9904103635	6	DISC, CLUTCH
7		9904110464	1	PLATE, END
8		9904103632	1	RING, SNAP
9		9904103569	1	SPRING
10		9904103568	1	RETAINER, SPRING
11		9904103567	1	RING, SNAP
12		9904107558	1	RING, RETAINING FRONT BEARING
13		9904105994	1	BEARING, FRONT
14		9904101348	1	RING, SNAP
15		9904110465	2	RING, PISTON
16		9904108979	1	HUB, CLUTCH DISC
17		9904103570	1	RING
18		9904109648	1	REAR BEARING

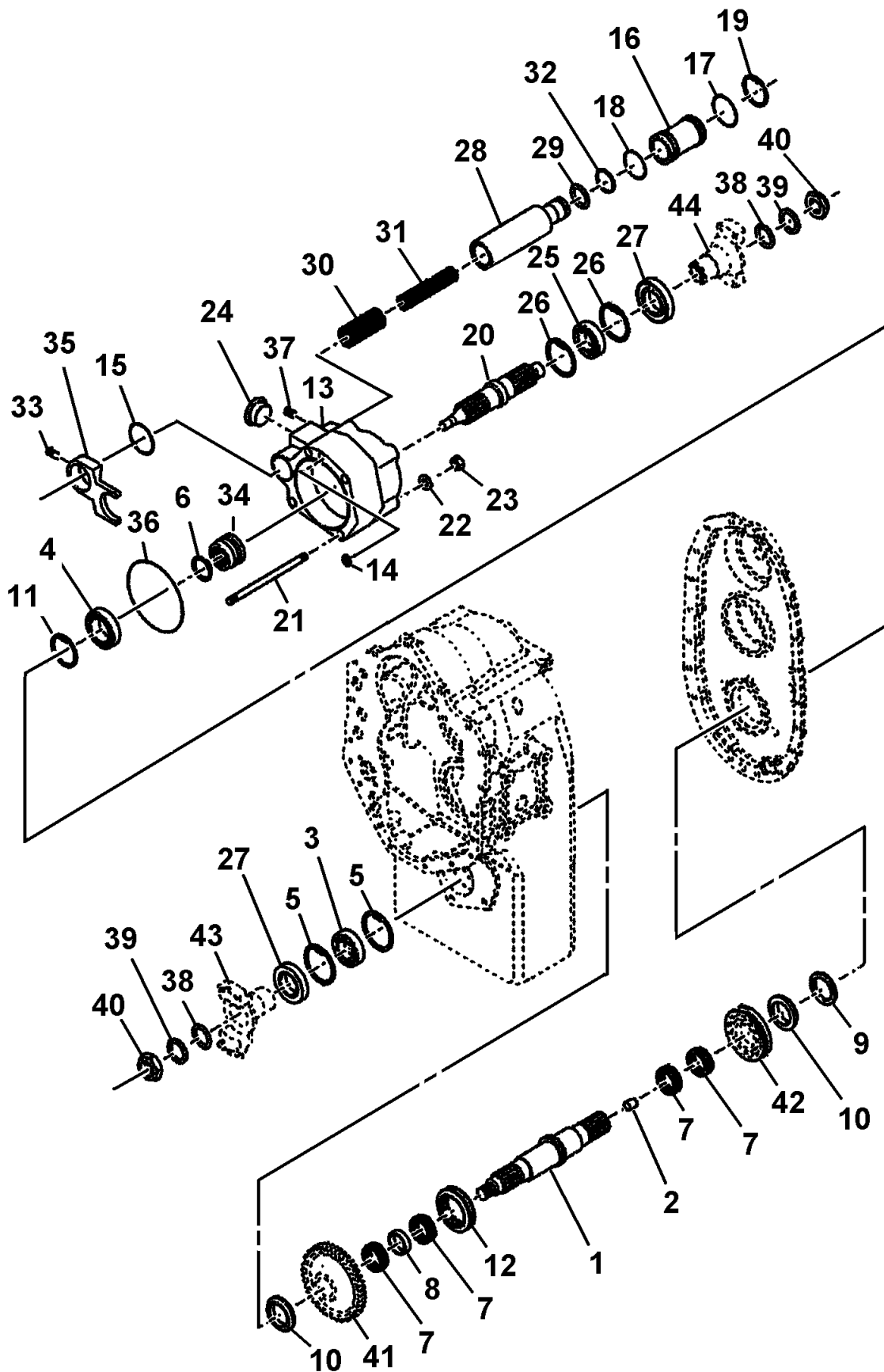
Manitowoc Cranes



Manitowoc Cranes

Description IDLER SHAFT GROUP				Assembly No. 9904110622 Revision:
Item	FN	Part	Qty	Description
1		9904109607	1	SHAFT, IDLER
2		9904109574	1	BEARING, SHAFT
3		9904103906	1	RING, SNAP
4		9904109606	1	BEARING
5		9904102383	1	NUT
6		9904100983	1	WASHER
7		9904103922	1	SPACER
8		9904101209	1	RING, RETAINING
9		9904109815	1	GEAR, IDLER FRONT 21T
10		9904109652	1	REAR IDLER GEAR
11		9904105442	1	COVER ITEM NOT SHOWN
12		9904106364	1	GASKET ITEM NOT SHOWN
13		9049100263	2	CAPSCREW ITEM NOT SHOWN
14		7950160050	2	WASHER, LOCK 3/8" I.D. ITEM NOT SHOWN

Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
OUTPUT SHAFT GROUP				90015440
				Revision:
Item	FN	Part	Qty	Description
1		9904109612	1	OUTPUT SHAFT AND BEARING (INCLUDES ITEM 2)
2		9904100967	1	BUSHING
3		9904106320	1	BEARING
4		9904109608	1	BEARING, REAR
5		9904101022	1	RING, RETAINING
6		9904103621	1	RING, RETAINING
7		9904103612	4	BEARING
8		9904109611	1	SPACER
9		9904103595	1	WASHER
10		9904103610	2	WASHER, THRUST
11		9904109459	1	RING, SNAP
12		9904103615	1	HUB
13		9904105289	1	HOUSING
14		9904103993	1	O-RING
15		9904103994	1	O-RING
16		9904108408	1	PLUG
17		9904109561	1	O-RING
18		9904108409	1	O-RING
19		9904106408	1	RING, RETAINING
20		9904105288	1	SHAFT
21		9904103623	4	STUD
22		7950190050	4	WASHER, LOCK 9/16" I.D.
23		9904103605	4	NUT
24		9904101047	1	PLUG
25		9049101566	1	BEARING
26		9904101022	2	RING, RETAINING
27		90012853	2	SEAL
28		9904108406	1	PISTON
29		9904109481	1	O-RING
30		9904105292	1	SPRING
31		9904105293	1	SPRING
32		9904108407	1	RING
33		9904101044	1	SCREW, LOCK

Manitowoc Cranes

Description

OUTPUT SHAFT GROUP

Assembly No.

90015440

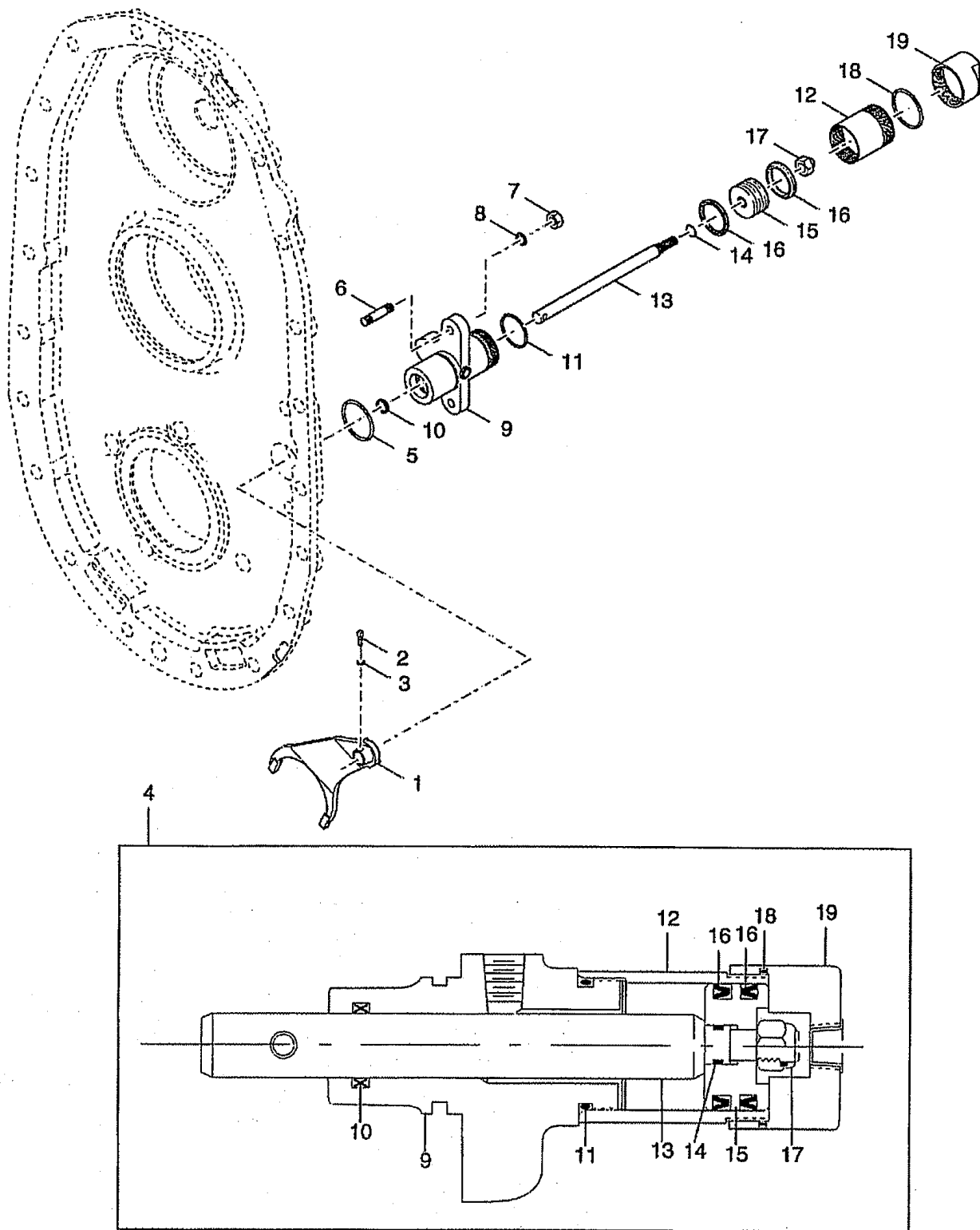
Revision:

Item	FN	Part	Qty	Description
34		9904103626	1	HUB, SHIFT
35		9904105290	1	FORK, SHIFT
36		9904109641	1	O-RING
37		7444020031	1	PLUG, PIPE 1/4" NPT
38		9904103997	2	O-RING
39		9904100983	2	WASHER
40		9904102383	2	NUT
41		9904109816	1	GEAR, LOW RANGE 42T (SEE GEAR GROUP)
42		9904109613	1	GEAR, HIGH RANGE 41T (SEE GEAR GROUP)
43		9904103677	1	FLANGE
44		9904105662	1	FLANGE

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

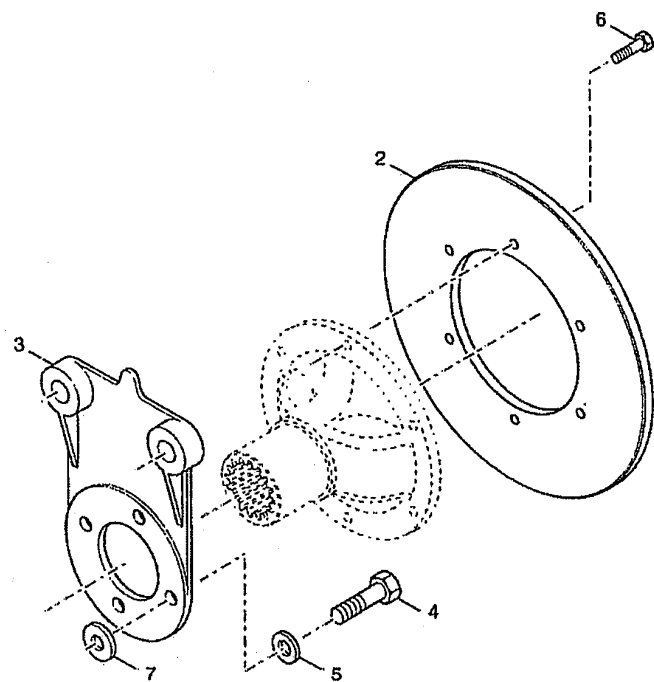
HI/LOW RANGE SHIFT CONT. GROUP

Assembly No.

9904110624

Revision:

Item	FN	Part	Qty	Description
1		9904109622	1	FORK, SHIFT
2		9904109620	1	WASHER, LOCK
3		9904109621	1	SCREW, LOCK
4		9904109623	1	AIRSHIFT CYLINDER INCLUDES ITEMS 9 THRU 19
5		9904103660	1	O-RING
6		9904103986	2	STUD
7		9904109618	2	NUT
8		9904109617	2	WASHER, LOCK
9		9904105306	1	BODY
10		9904105307	1	SEAL
11		9904105299	1	O-RING
12		9904106482	1	TUBE, CYLINDER
13		9904109619	1	ROD, PISTON
14		7755110000	1	O-RING
15		9904109616	1	PISTON
16		9904105302	2	SEAL
17		9904105301	1	NUT
18		9904107179	1	O-RING
19		9904106483	1	CAP, END



Manitowoc Cranes

Description

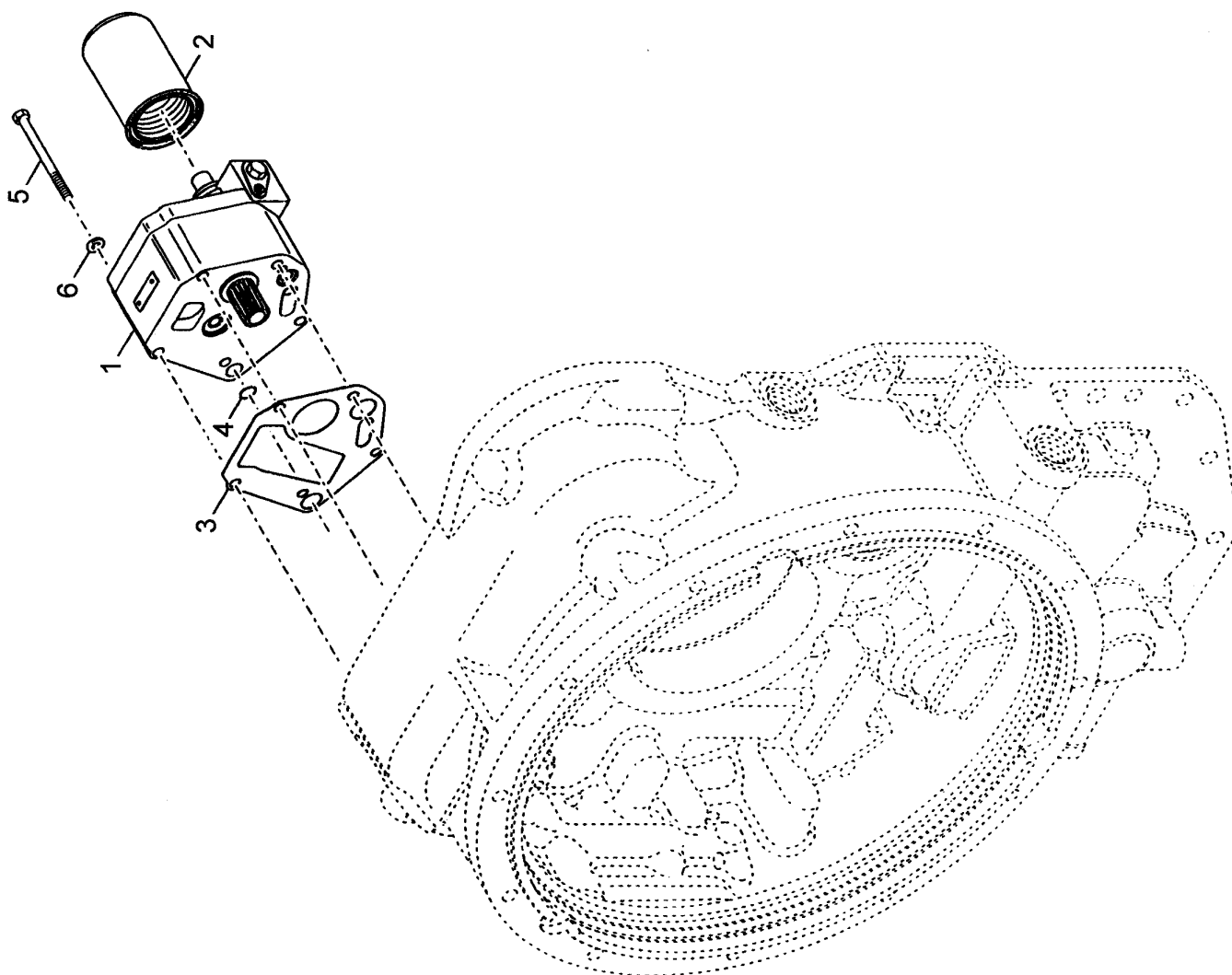
DISC BRAKE GROUP

Assembly No.

9904110625

Revision:

Item	FN	Part	Qty	Description
2		7188000165	1	BRAKE, DISC
3		9904110157	1	BRACKET,PARK BRAKE
4		9049106636	4	CAP SCREW,
5		9904106235	4	WASHER
6		9904109531	6	CAPSCREW, DISC BRAKE



Manitowoc Cranes

Description

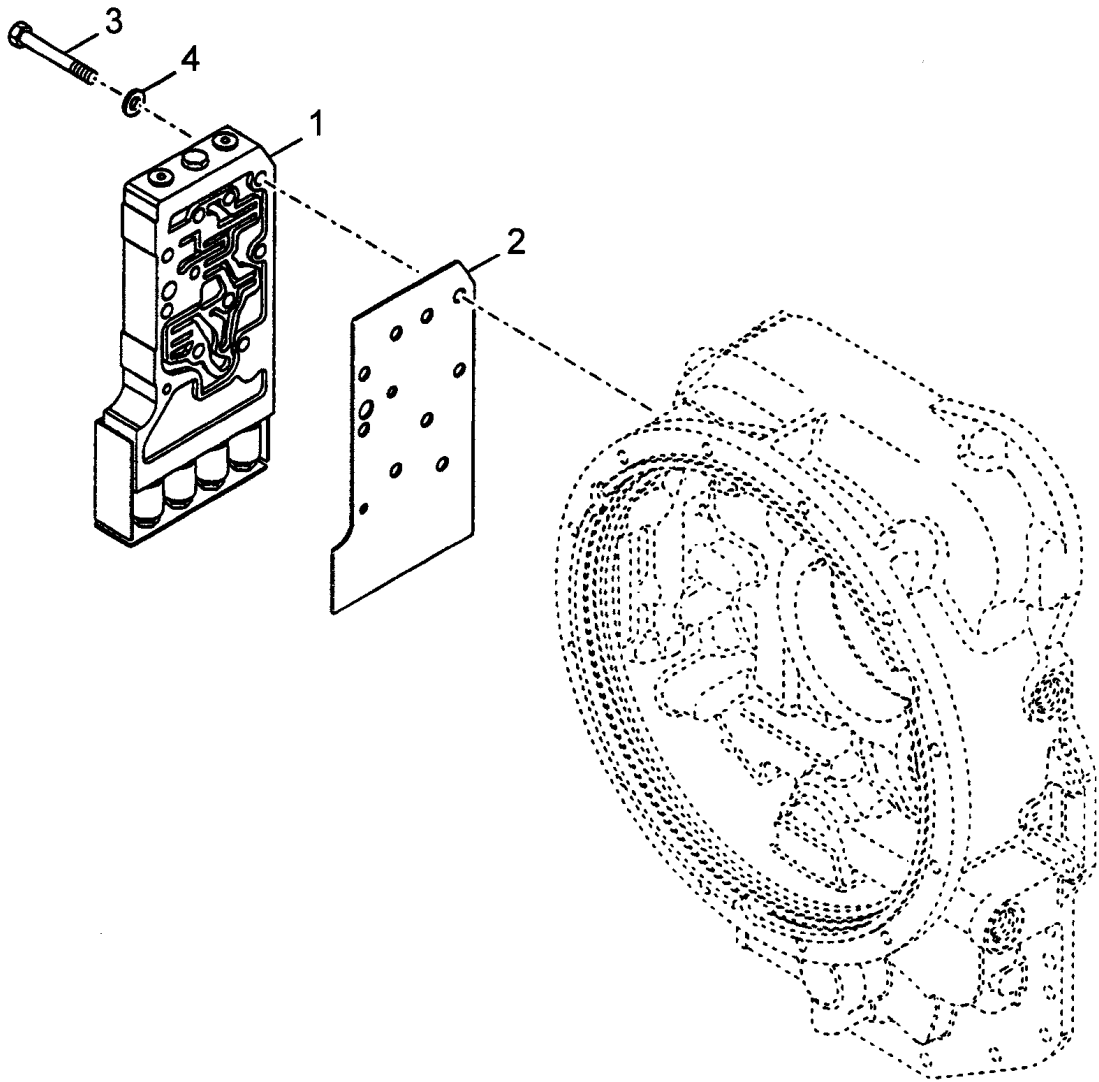
CHARGE PUMP & FILTER GROUP

Assembly No.

9904110626

Revision:

Item	FN	Part	Qty	Description
1		9904110603	1	PUMP ASSY, CHARGE
2		7437000873	1	FILTER, TRANSMISSION FLUID
3		9904103887	1	GASKET
4		9904103500	1	O-RING
5		9904110469	1	CAPSCREW
5		9904104420	4	CAP SCREW,
6		7950170050	5	WASHER, LOCK 7/16" I.D.



Manitowoc Cranes

Description

CONTROL VALVE MOUNTING GROUP

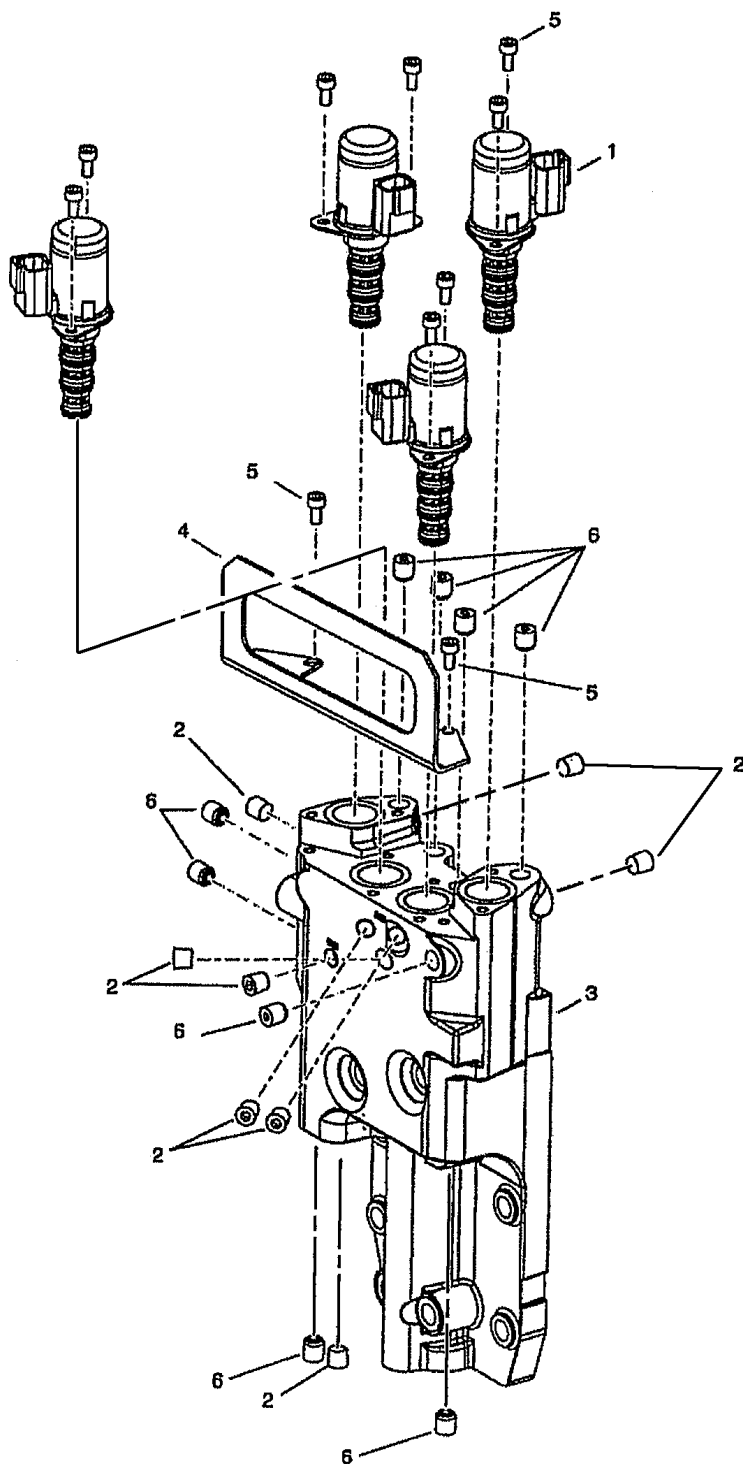
Assembly No.

9904110627

Revision:

Item	FN	Part	Qty	Description
1		9904110604	1	BODY ASSY. VALVE BODY, LESS CART. & COIL ASSY.
2		9904110605	1	GASKET
3		7115161250	4	CAP SCREW, 3/8" - 16 N.C. X 1 1/2" GRADE 5
4		9904100974	3	CAP SCREW
5		9904105328	2	SCREW, VALVE MOUNTING
6		9904109625	9	SCREW LOCKWASHER

Manitowoc Cranes



Manitowoc Cranes

Description

CONTROL VALVE ASSY. GROUP

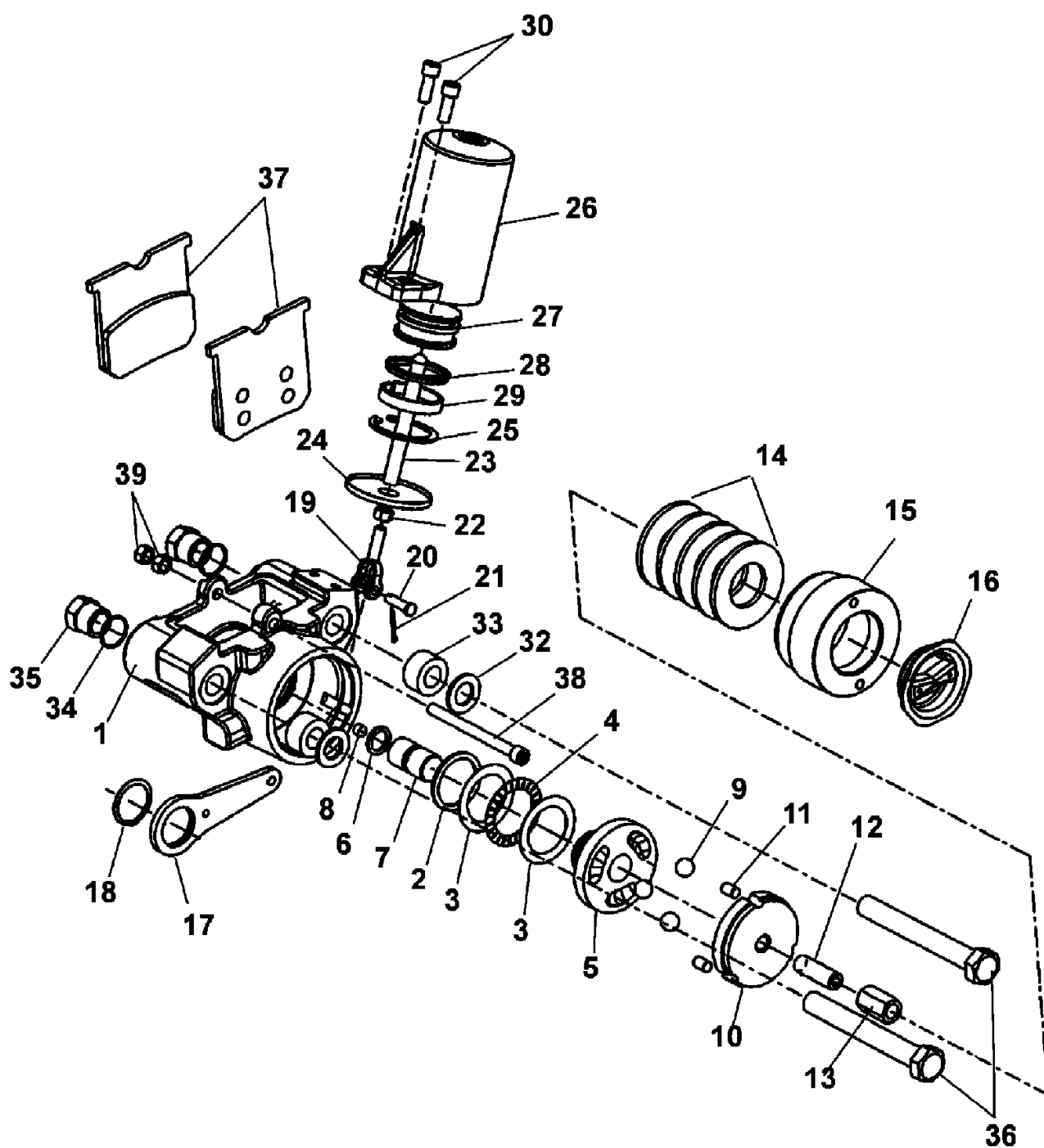
Assembly No.

9904110628

Revision:

Item	FN	Part	Qty	Description
1		9904110606	4	CART.& COIL ASSY. 12V. INCLUDES THE FOLLOWING PARTS
		9904110793	1	O-RING
		9904110794	1	O-RING
		9904110795	1	O-RING
		9904110796	1	O-RING
2		9904104055	8	PLUG
3		9904110604	1	BODY ASSY. VALVE INCLUDES ITEM 6
4		9904110607	1	COVER
5		9904110608	10	CAPSCREW
6		NSS	9	PLUGS, EXPANSION

Manitowoc Cranes



Manitowoc Cranes

Description
BRAKE ASSEMBLY-PARKING

Assembly No.
80022000
Revision:

Item	FN	Part	Qty	Description
1		NSS	1	PLATE, TORQUE
2	@\$	NSS	1	SEAL, O-RING
3	@	NSS	2	WASHER
4	@	NSS	1	BEARING
5		NSS	1	CAM, THRUST SEE ITEM 46 FOR SERVICE
6	@\$	NSS	1	SEAL, O-RING
7	@	NSS	1	PISTON ASSY.
8		NSS	1	MAGNET
9		NSS	3	BEARING, BALL SEE ITEM 46 FOR SERVICE
10		NSS	1	CAM SEE ITEM 46 FOR SERVICE
11		NSS	3	PIN, DOWEL SEE ITEM 46 FOR SERVICE
12	@	NSS	1	SETSCREW
13	@	NSS	1	NUT
14	@-	NSS	5	DISC SPRING
15		NSS	1	HOUSING
16		9188101096	1	PLUG,SCREW TYPE
17	*	NSS	1	LEVER
18	*@	NSS	1	RING, RETAINER
19	*	NSS	1	CLEVIS

@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT
- THIRD REPAIR KIT AND/OR PART OF 3RD KIT

\$ FIFTH REPAIR KIT
* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description BRAKE ASSEMBLY-PARKING				Assembly No. 80022000 Revision:
Item	FN	Part	Qty	Description
20	*	NSS	1	PIN, CLEVIS
21	*	NSS	1	PIN, COTTER
22	*	NSS	1	NUT, JAM
23	*	NSS	1	ROD
24	*\$	NSS	1	EXCLUDER, ROD
25	*	NSS	1	RING, RETAINER
26	*	NSS	1	HOUSING, CYLINDER
27	*	NSS	1	PISTON
28	*\$	NSS	1	SEAL
29	*\$	NSS	1	RING,
30	*	NSS	2	CAPSCREW
32	@	NSS	2	WASHER, FLAT
33	@<	NSS	2	SPRING, URETHANE
34	@\$	NSS	2	SEAL, O-RING
35		9188101097	2	NUT,JAM
36		9188101020	2	CAP SCREW,
37	&	NSS	2	LINING & CARRIER ASSY.
38	&	NSS	1	CAPSCREW
39	&	NSS	2	NUT
40	*	9188101094	1	KIT, HYD.CYLINDER SERVICE
41	@	90011883	1	KIT, OVERHAUL
42	-	90011882	1	KIT, DICS SPRING

* REPAIR KIT AND/OR PART OF KIT
 @ SECOND REPAIR KIT AND/OR PART OF 2ND KIT
 & SIXTH REPAIR KIT

\$ FIFTH REPAIR KIT
 < FOURTH REPAIR KIT AND/OR PART OF 4TH KIT
 - THIRD REPAIR KIT AND/OR PART OF 3RD KIT

Manitowoc Cranes

Description

BRAKE ASSEMBLY-PARKING

Assembly No.

80022000

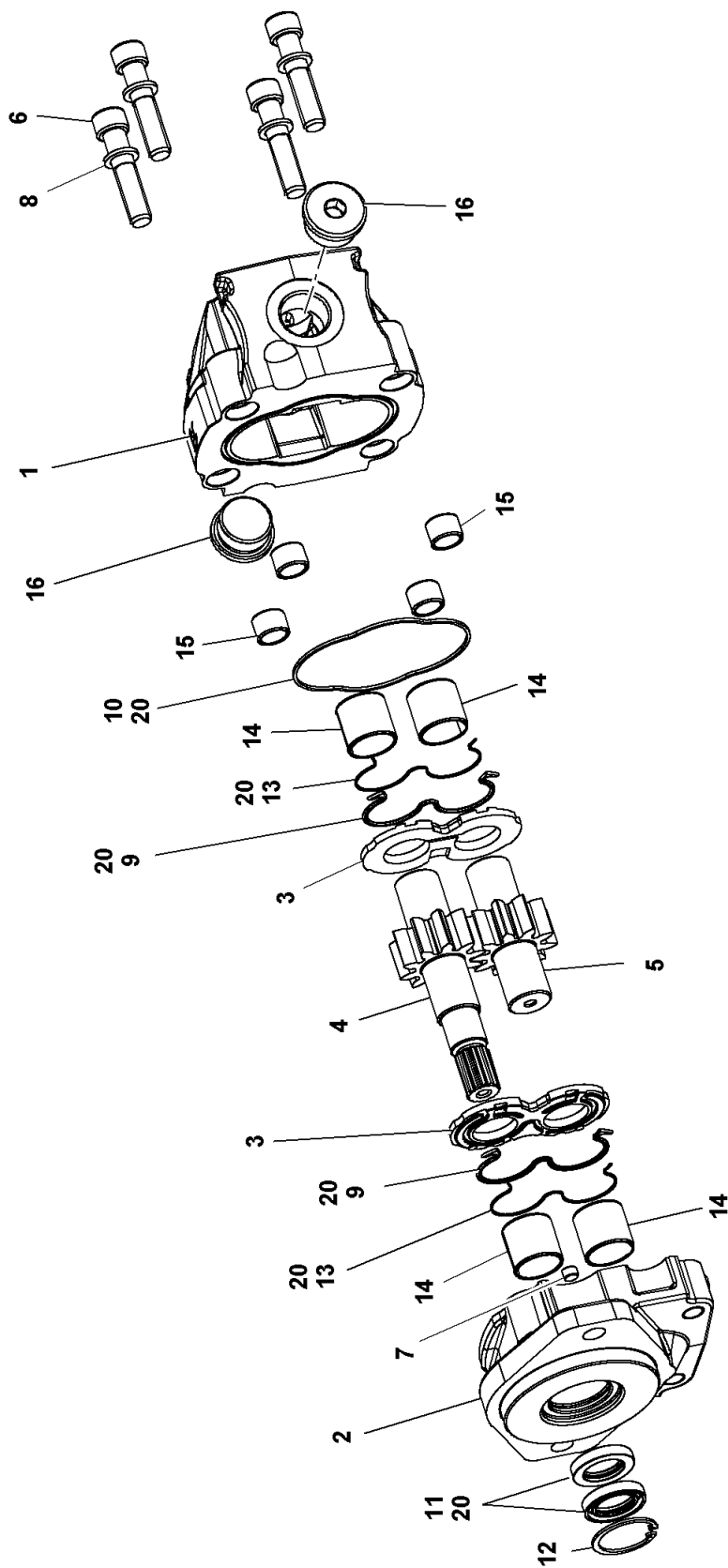
Revision:

Item	FN	Part	Qty	Description
43	<	9188101043	1	KIT, SPRING
44	\$	9188101078	1	KIT,SEAL
45	&	9188101041	1	KIT, LINING
46		90017521	1	KIT, CAM OVERHAUL INCLUDES ITEMS 5, 9 THRU 11

< FOURTH REPAIR KIT AND/OR PART OF 4TH KIT
& SIXTH REPAIR KIT

\$ FIFTH REPAIR KIT

Manitowoc Cranes



Manitowoc Cranes

Description

PUMP ASSEMBLY - GEAR (COMPLETE ASSEMBLY)

Assembly No.

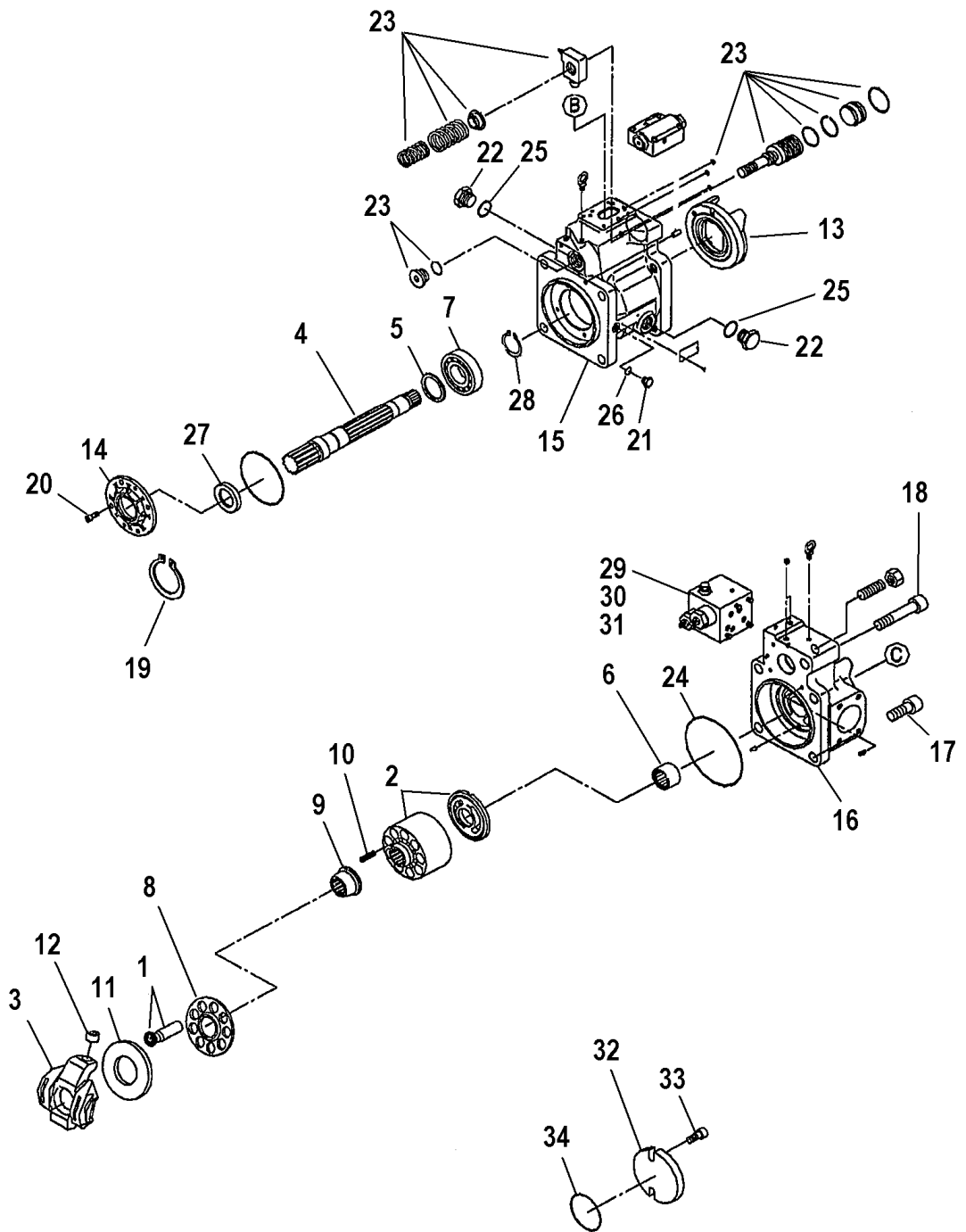
7722100101

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	HOUSING, GEAR
2		9722105433	1	COVER, FRONT
3		9722105434	2	PLATE, THRUST
4		9722105468	1	GEAR, DRIVE SHAFT
5		9722105469	1	GEAR, DRIVEN
6		9722105435	4	CAPSCREW
7		9722105436	1	SCREW, GRUB
8		9722105437	4	WASHER
9	*	NSS	2	SEAL
10	*	NSS	1	SEAL, SECTION
11	*	NSS	2	SEAL, SHAFT
12		9722105441	1	RING, RETAINER
13	*	NSS	2	SEAL
14		9722105443	4	BEARING
15		9722105444	4	BUSHING
16		9722105514	2	PLUG
20	*	9722105445	1	KIT, SEAL

* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes



NBR 40 KIT ROTARY

NBR 41 KIT SWASH PLATE

NBR 50 KIT SEAL

Manitowoc Cranes

Description

PUMP ASSEMBLY - PISTON (COMPLETE ASSEMBLY)

Assembly No.

7722100100

Revision:

Item	FN	Part	Qty	Description
1		NSS	1	PISTON ASSY. GROUP
2		NSS	1	CYLINDER ASSY.
3		NSS	1	SWASHPLATE ASSY.
4		9722105546	1	SHAFT ASSY.
5		9722105547	1	BEARING
6		9722105548	1	BEARING
7		9722105549	2	SPACER
8		NSS	1	SET PLATE
9		NSS	1	BUSHING
10		NSS	9	SPRING
11		NSS	1	SHOE PLATE
12		NSS	1	BUSHING
13		NSS	1	SWASHPLATE SUPPORT
14		9722105550	1	COVER
15		NSS	1	HOUSING, PUMP CASE
16		NSS	1	HOUSING, END COVER
17		9722105551	4	CAPSCREW
18		9722105552	1	CAPSCREW
19		9722105553	1	RING, RETAINER
20		9722105554	4	CAPSCREW
21		9722105555	1	PLUG, BLEEDER
22		9722105556	2	PLUG
23		NSS	1	SERVO PISTON ASSY.
24		9722105567	1	O-RING
25		9722105568	2	O-RING

Manitowoc Cranes

Description

PUMP ASSEMBLY - PISTON (COMPLETE ASSEMBLY)

Assembly No.

7722100100

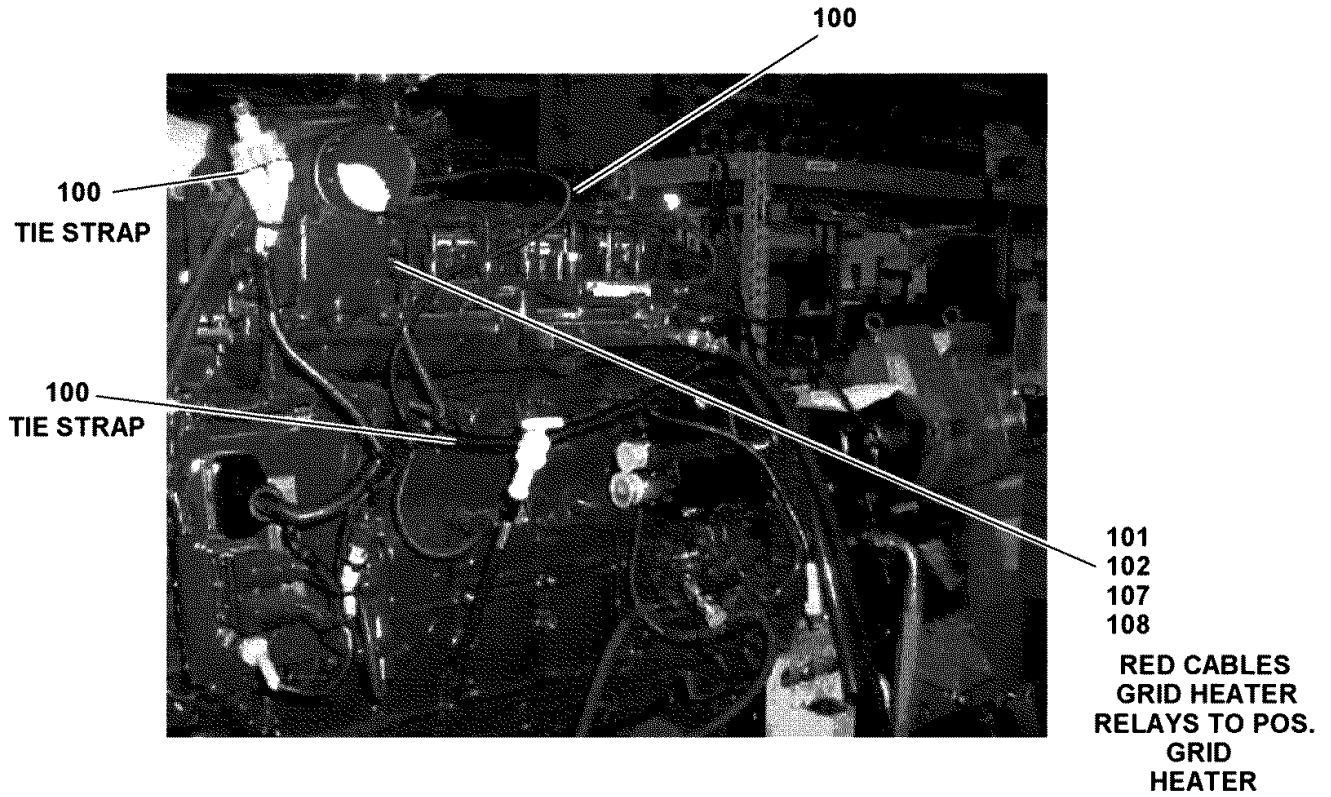
Revision:

Item	FN	Part	Qty	Description
26		9722105569	1	O-RING
27		9722105557	1	SEAL, SHAFT
28		9722105570	1	RING, RETAINER
29		9722105558	1	REGULATOR ASSY.
30		9722105559	4	CAPSCREW
31		9722105560	7	O-RING
32		9722105561	1	PLATE, COVER
33		9722105562	2	CAPSCREW
34		9722105563	1	O-RING
40		9722105564	1	KIT, ROTARY GROUP INCLUDES ITEMS 1, 2, 8 THRU 11
41		9722105565	1	KIT, SWASH PLATE GROUP INCLUDES ITEMS 3 AND 13
50		9722105566	1	KIT, SEAL

Manitowoc Cranes

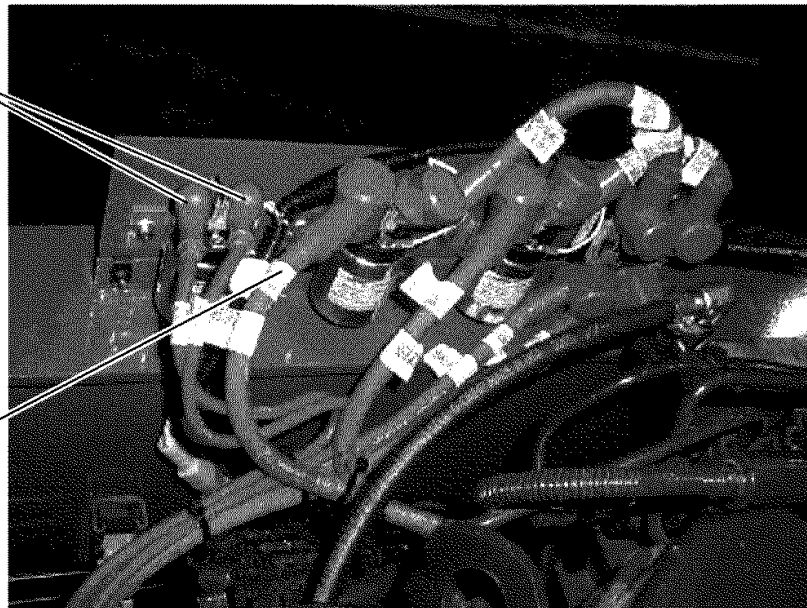
Notes

Manitowoc Cranes



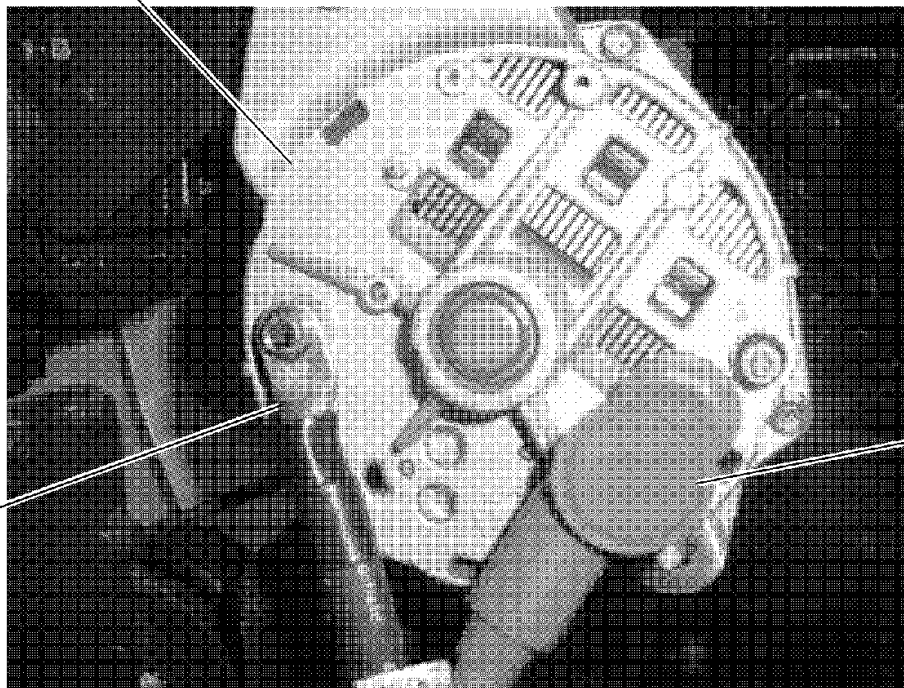
101
CABLES TO "S"
POST AND STARTER
POS POST

101
I/O CABLES FROM
RELAYS TO
GRID HEATER
POS POSTS



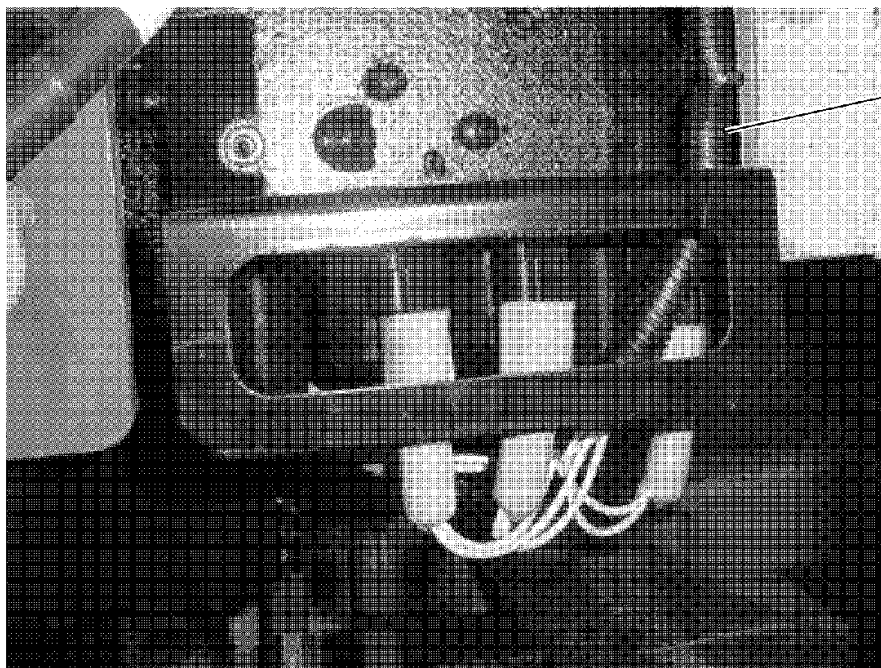
Manitowoc Cranes

ENGINE ALTERNATOR



101
ENGINE
GROUND
ALERNATOR
NEG
POST

101
STARTER
POSITIVE
POS.
ALTERNATOR
POS.
POST



100
ENGINE
HARNESS

Manitowoc Cranes



Manitowoc Cranes

Description

**ELECTRICAL SYSTEM INSTALLATION - ENGINE
(NOT AVAILABLE AS ASSEMBLY)**

Assembly No.

6978100956

Revision: #

Item	FN	Part	Qty	Description
100	+	6512100819	1	HARNESS ASSEMBLY - ENGINE (COMPLETE ASSEMBLY)
101	+	7246100345	1	KIT - CABLE (ENGINE) (COMPLETE ASSEMBLY)
102		7951150210	3	LOCKWASHER, 6MM I.D.
103	#	7950180350	2	LOCK WASHER, 1/2" I.D.
104		7126211353	1	CAP SCREW, M12 X 30 HEX HEAD
105		7850000208	10	CABLE TIE, BLACK
106		7300000247	2	CLAMP, 1 1/4" TUBING
107	#	7661150003	3	NUT, HEX
108		7951150014	3	WASHER, 6MM I.D.
109		7126191250	2	CAP SCREW, M10 X 25MM HEX HEAD
110		7951190014	2	FLAT WASHER, 10MM I.D.
111		7951190210	2	LOCK WASHER, 10MM

+ SEE FURTHER BREAKDOWN THIS GROUP

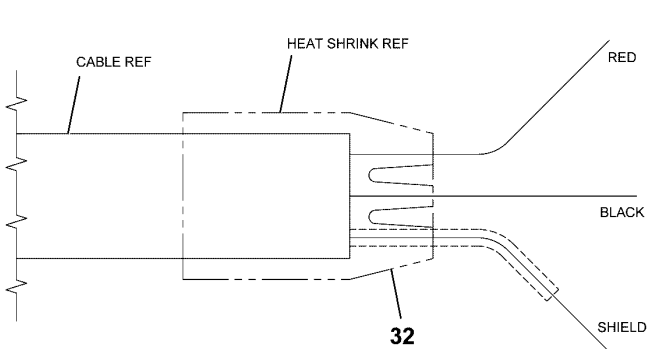
SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH TOT IN	TP	B/M ITEM NO	REMARKS	TP	B/M ITEM NO	REMARKS
2A	WHITE	16	53	F	17	_____	K	17	_____
25		16	65	K	17	_____	J	17	_____
51A		16	44	G	STRIP	SEE DETAIL	H	17	_____
51B		16	44	G	STRIP	SEE DETAIL	H	17	_____
51C		16	44	G	STRIP	SEE DETAIL	H	17	_____
51D		16	44	G	STRIP	SEE DETAIL	H	17	_____
51F		16	53	F	17	_____	G	STRIP	SEE DETAIL
89A		18	73	B	17	_____	K	17	_____
343A		16	60	K	16	_____	SB	STRIP	SEE DETAIL
343B		18	8	A	15	_____	SB	STRIP	SEE DETAIL
343C		18	81	J	17	_____	SB	STRIP	SEE DETAIL
344		12	73	K	14	_____	C	14	_____
345		12	73	G	20	_____	C	14	_____
367		16	44	K	17	_____	H	17	_____
368		16	44	K	17	_____	H	17	_____
371		16	44	K	17	_____	H	17	_____
609		16	44	K	17	_____	H	17	_____
645		18	45	F	17	_____	A	15	_____
646		18	45	F	17	_____	A	15	_____
695		18	45	A	15	_____	B	25,30	_____
697		18	45	A	15	_____	B	25,30	_____
1280		16	67	K	16	_____	E	16	_____
1299		16	67	K	16	_____	E	16	_____
SHLD1		16	3	K	STRIP	SEE CABLE 1939A	K	STRIP	SEE CABLE 1939A
SHLD2		16	3	D	STRIP	SEE CABLE 1939A	D	STRIP	SEE CABLE 1939A
SHLD3		16	3	D	STRIP	SEE CABLE 1939B	D	STRIP	SEE CABLE 1939B
SHLD4	WHITE	18	3	A	STRIP	SEE CABLE 1939B	A	STRIP	SEE CABLE 1939B

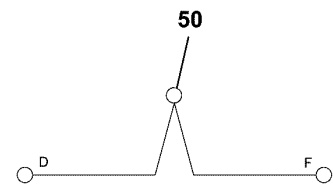
A1	WHITE	18	6	A	15	_____	_____	SEE NOTE 5	_____
A2		18	6	A	15	_____	_____	SEE NOTE 5	_____
A3		18	6	A	15	_____	_____	SEE NOTE 5	_____
A4		18	6	A	15	_____	_____	SEE NOTE 5	_____
A5		18	6	A	15	_____	_____	SEE NOTE 5	_____
A6		18	6	A	15	_____	_____	SEE NOTE 5	_____
A7		18	6	A	15	_____	_____	SEE NOTE 5	_____
A8		18	6	A	15	_____	_____	SEE NOTE 5	_____
A9		18	6	A	15	_____	_____	SEE NOTE 5	_____
A10		18	6	A	15	_____	_____	SEE NOTE 5	_____
A41		18	6	A	15	_____	_____	SEE NOTE 5	_____
A43		18	6	A	15	_____	_____	SEE NOTE 5	_____
A44		18	6	A	15	_____	_____	SEE NOTE 5	_____
A45		18	6	A	15	_____	_____	SEE NOTE 5	_____
A48		18	6	A	15	_____	_____	SEE NOTE 5	_____
A49		18	6	A	15	_____	_____	SEE NOTE 5	_____
A50		18	6	A	15	_____	_____	SEE NOTE 5	_____
B2		16	6	B	17	_____	_____	SEE NOTE 5	_____
C2		14	10	C	14	_____	_____	SEE NOTE 5	_____
C4		14	10	C	14	_____	_____	SEE NOTE 5	_____
JA		18	6	J	17	_____	_____	SEE NOTE 5	_____
K2		14	10	K	14	_____	_____	SEE NOTE 5	_____
K3		16	6	K	17	_____	_____	SEE NOTE 5	_____
K4		16	6	K	17	_____	_____	SEE NOTE 5	_____
K5	WHITE	16	6	K	17	_____	_____	SEE NOTE 5	_____

Manitowoc Cranes

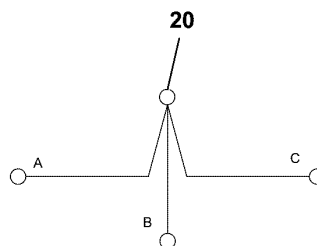


DETAIL AA

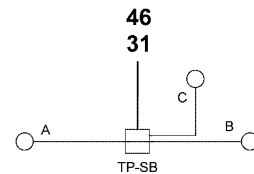
CABLE ENDS
TYP-BOTH ENDS



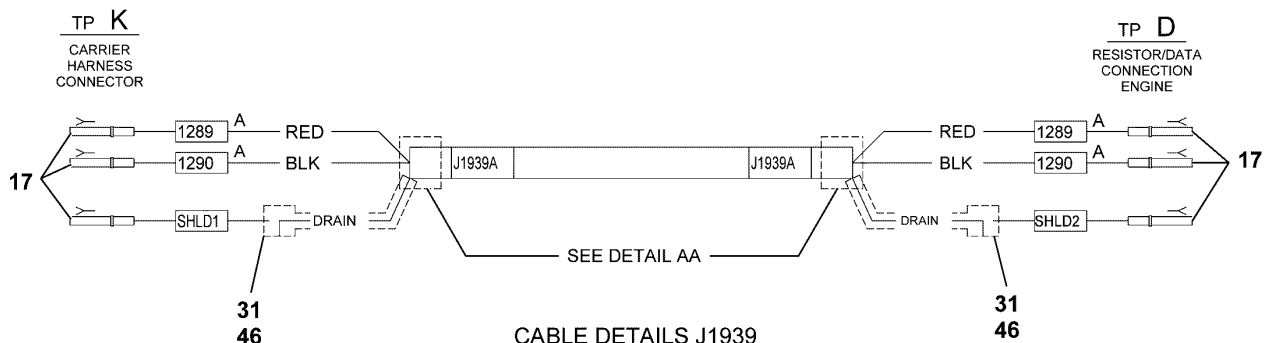
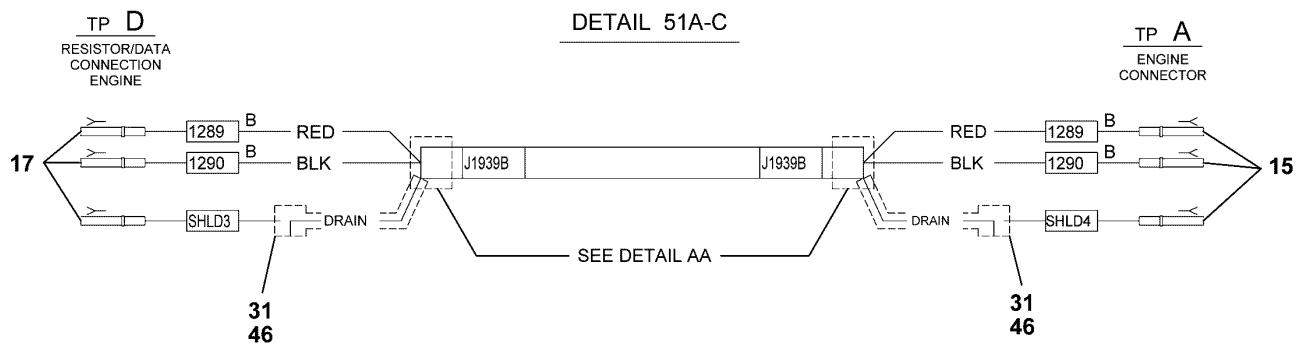
DETAIL 51D-F



DETAIL 51A-C



DETAIL 343



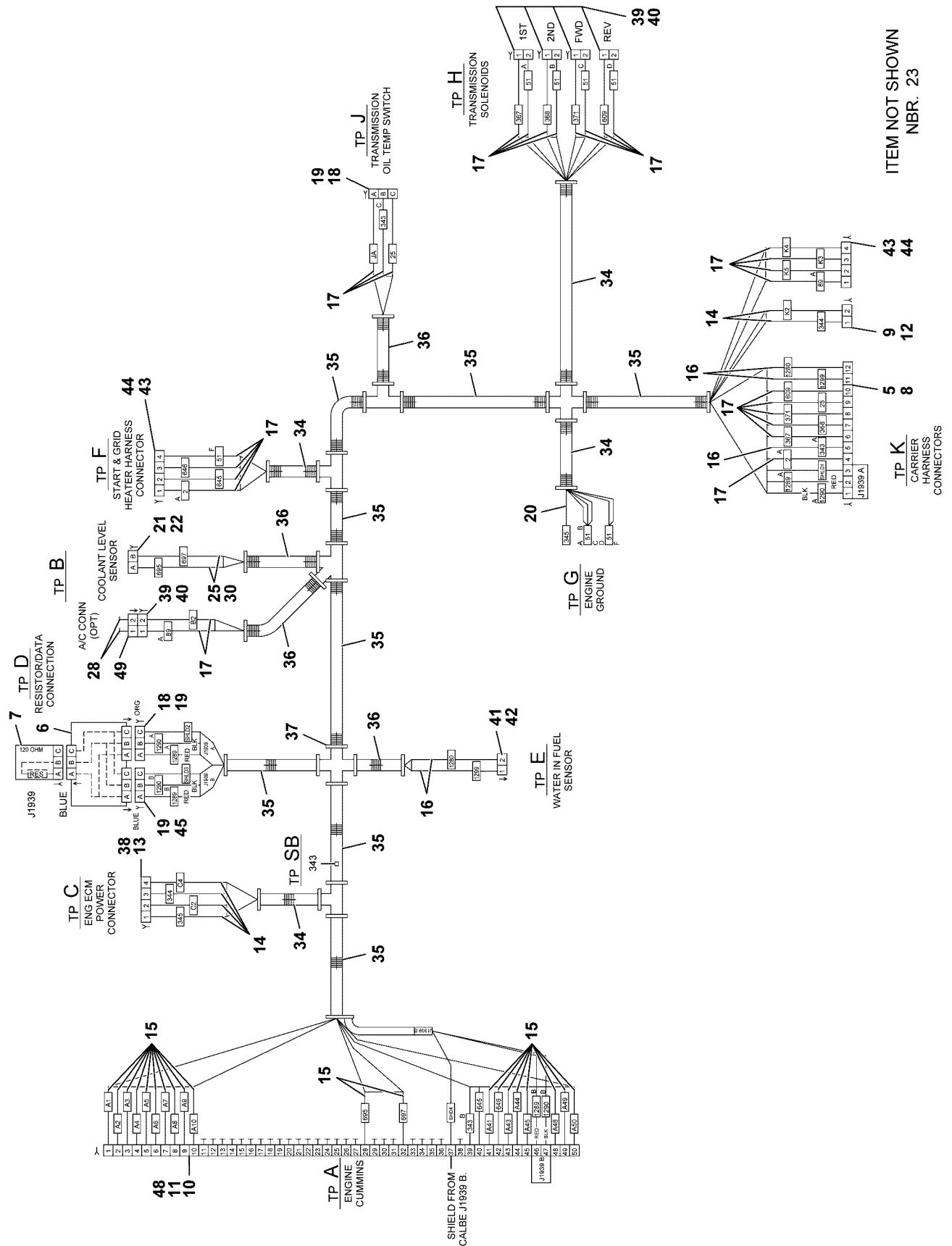
CABLE DETAILS J1939

WIRE NUMBER LABELS FOR USE ON CABLE ASSYS									
WIRE NO	CONDUCTOR COLOR	SAE SIZE	LENGTH TOT IN	CABLE ASSY	TP	REMARKS	TP	REMARKS	LABLES REQ'D
1289A	RED	10	5	J1939A	K	USE INSUL	D	USE INSUL	2
1289B	RED	10	5	J1939B	A	USE INSUL	D	USE INSUL	2
1290A	BLK	10	5	J1939A	K	USE INSUL	D	USE INSUL	2
1290B	BLK	10	5	J1939B	A	USE INSUL	D	USE INSUL	2

6512100819

(SHEET 2 OF 3)

Manitowoc Cranes



ITEM NOT SHOWN
NBR. 23

TP K
CARRIER
HARNESS
CONNECTORS

Manitowoc Cranes

Description

HARNESS ASSEMBLY - ENGINE (COMPLETE ASSEMBLY)

Assembly No.

6512100819

Revision: **F**

Item	FN	Part	Qty	Description
5		7709000846	1	PLUG, 12 SOCKET
6		7892100036	1	RECEPTACLE, 3 WAY
7		7709100902	1	PLUG, 3 PIN
8		7172000552	1	BOOT
9		7172100004	1	BOOT, DTP2S-BT
10		7709100890	1	PLUG, DEUTSCH DRC26-50S-04
11		7172000554	1	BOOT
12		7709100891	1	PLUG, 2-PASS DEUTSCH DTP
13		7172100006	1	BOOT, DTP4S - BT
14		7826000092	6	SOCKET, (12) 12-14GA
15		7826000651	25	SOCKET, 20 GA AU-PLATE
16		7689000704	7	PIN, 16 - 14 GA
17		7826100004	35	SOCKET, (16 - 18) 30 SERIES
18		7709000874	3	PLUG 3 SOCKET
19		7172000547	4	BOOT
20		7345261901	2	TERMINAL 12 - 10 AWG
21		7364002517	1	CONNECTOR
22		7364002518	1	CONNECTOR
23		7345001744	2	TERMINAL, FEMALE 16 - 14 AWG
25		7892100003	2	TERMINAL, DARK RED CABLE SEAL
28		7689000503	2	PLUG, SEALING 16 - 12 AWG
30		7892000843	2	TERMINAL, FEMALE 16 - 20 AWG
31		8594100256	1	TUBING, HEAT SHRINK 1/4" I.D. LINER, MELTABLE (QUANTITY IN FEET)
32		8594100257	1	TUBING, HEAT SHRINK 1/2" I.D. LINER, MELTABLE (QUANTITY IN FEET)
34		8594000006	5	FLEXGUARD - .350" I.D. (QUANTITY IN FEET)
35		8594000003	6	FLEXGUARD - .625" I.D. (QUANTITY IN FEET)

Manitowoc Cranes

Description

HARNESS ASSEMBLY - ENGINE (COMPLETE ASSEMBLY)

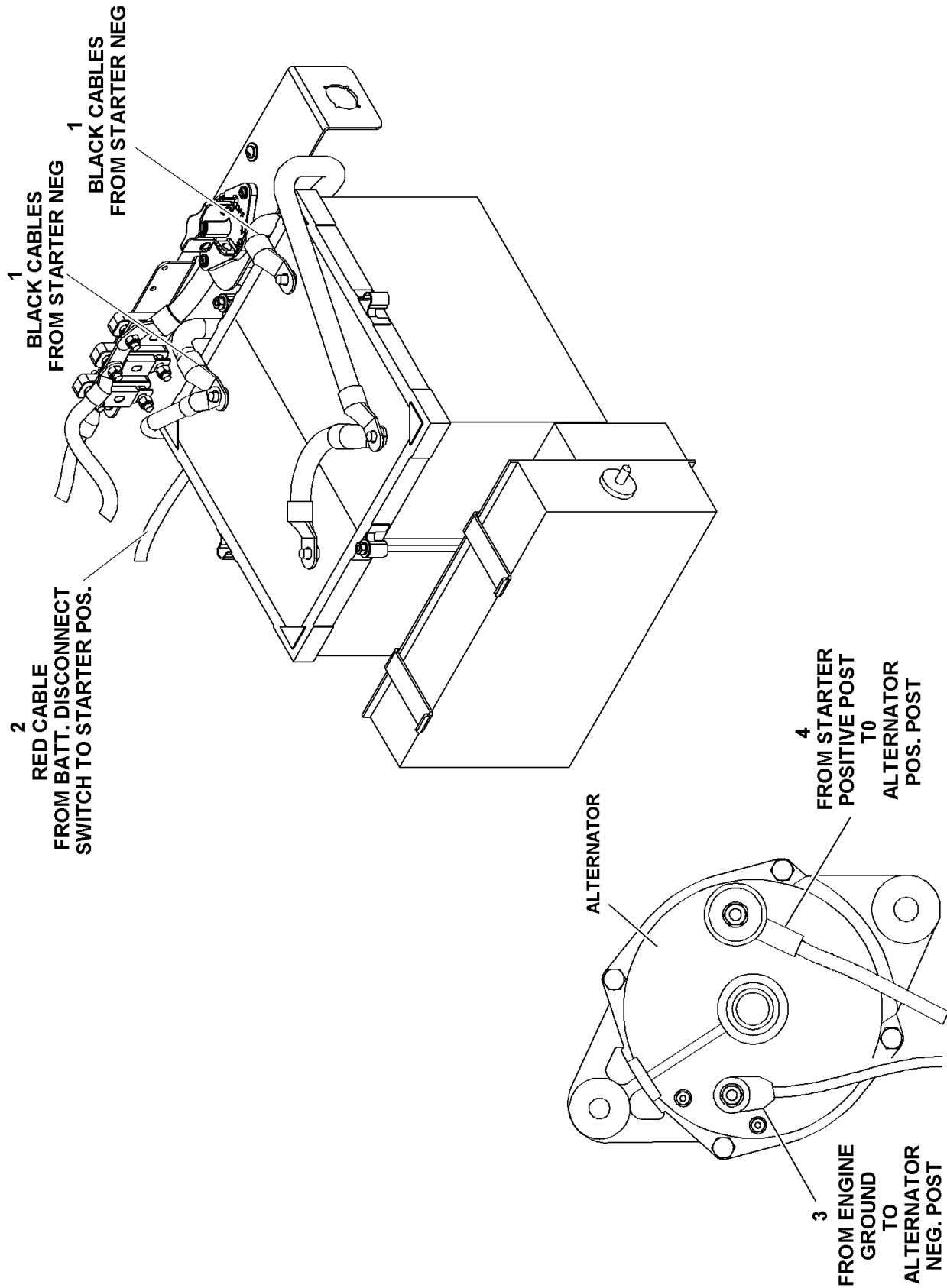
Assembly No.

6512100819

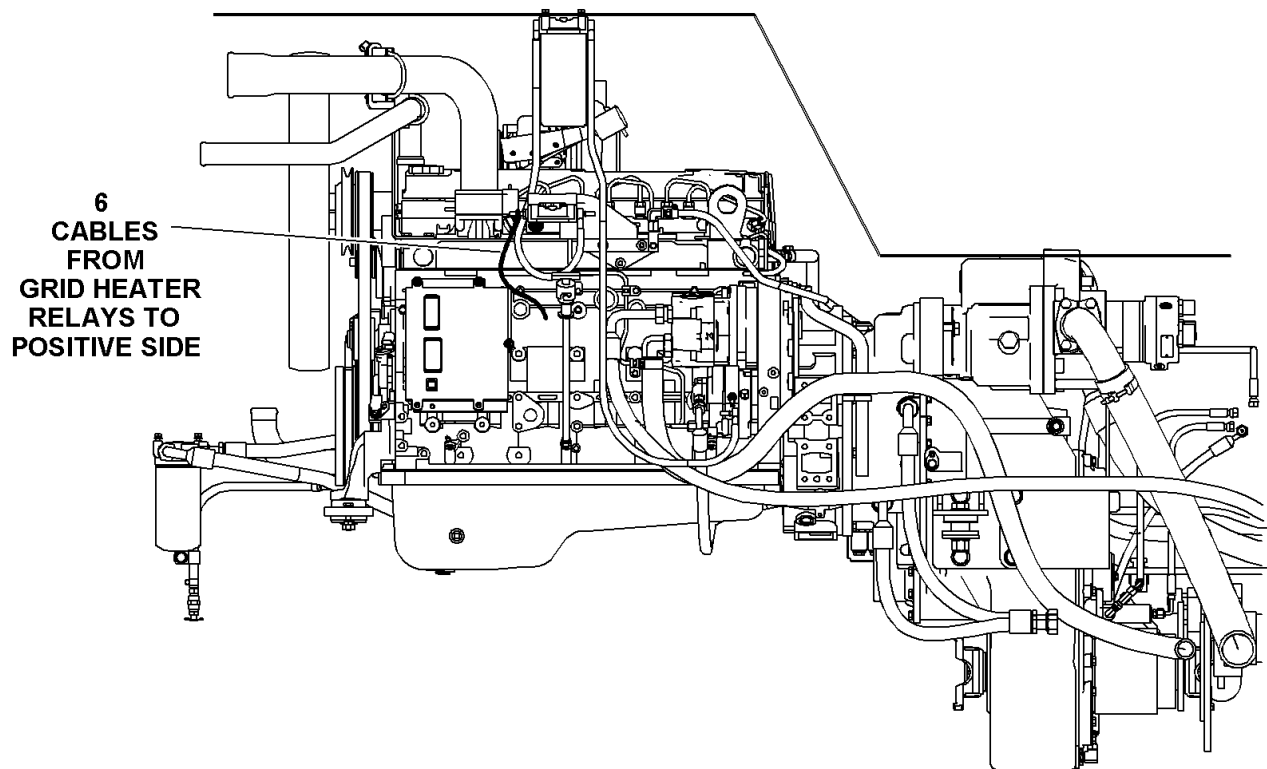
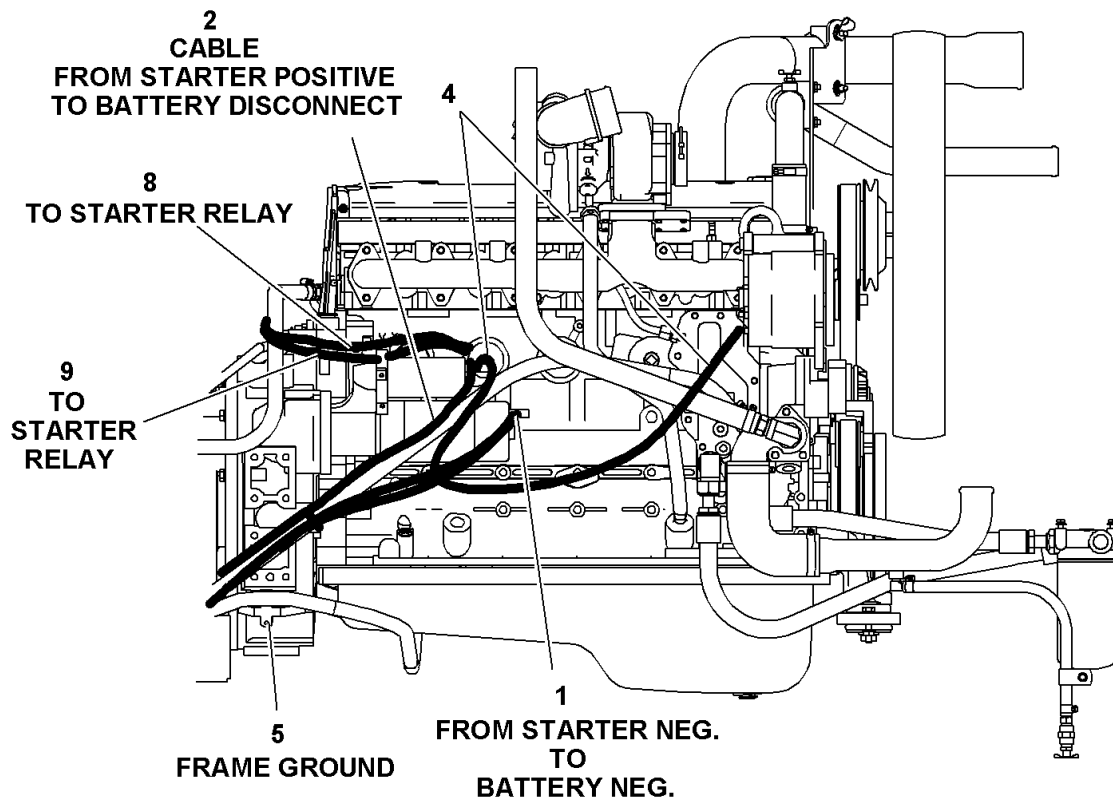
Revision: **F**

Item	FN	Part	Qty	Description
36		8594000019	7	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
37		7850000208	40	CABLE TIE, BLACK
38		7709100870	1	PLUG, 4 PASS
39		7709000844	2	PLUG, 2 SOCKET
40		7172000545	2	BOOT, DT2S CONNECTOR
41		7892000949	3	RECEPTACLE, 2 PIN
42		7172000546	1	BOOT
43		7709000936	2	PLUG, 4 SOCKET
44		7172000567	2	BOOT, CONNECTOR
45		7709100911	1	PLUG,DT06-3S-CEO6 W/BLOCK WEDGE
46		7892000194	5	PARALLEL, NON - INSULATED 16 - 14 AWG
48		7826000650	25	PLUG, SEALING
49		7892000949	1	RECEPTACLE, 2 PIN
50		7345261701	1	16 - 14 AWG TERMINAL, ELECTRICAL

Manitowoc Cranes



Manitowoc Cranes



Manitowoc Cranes

Description

KIT - CABLE (ENGINE) (COMPLETE ASSEMBLY)

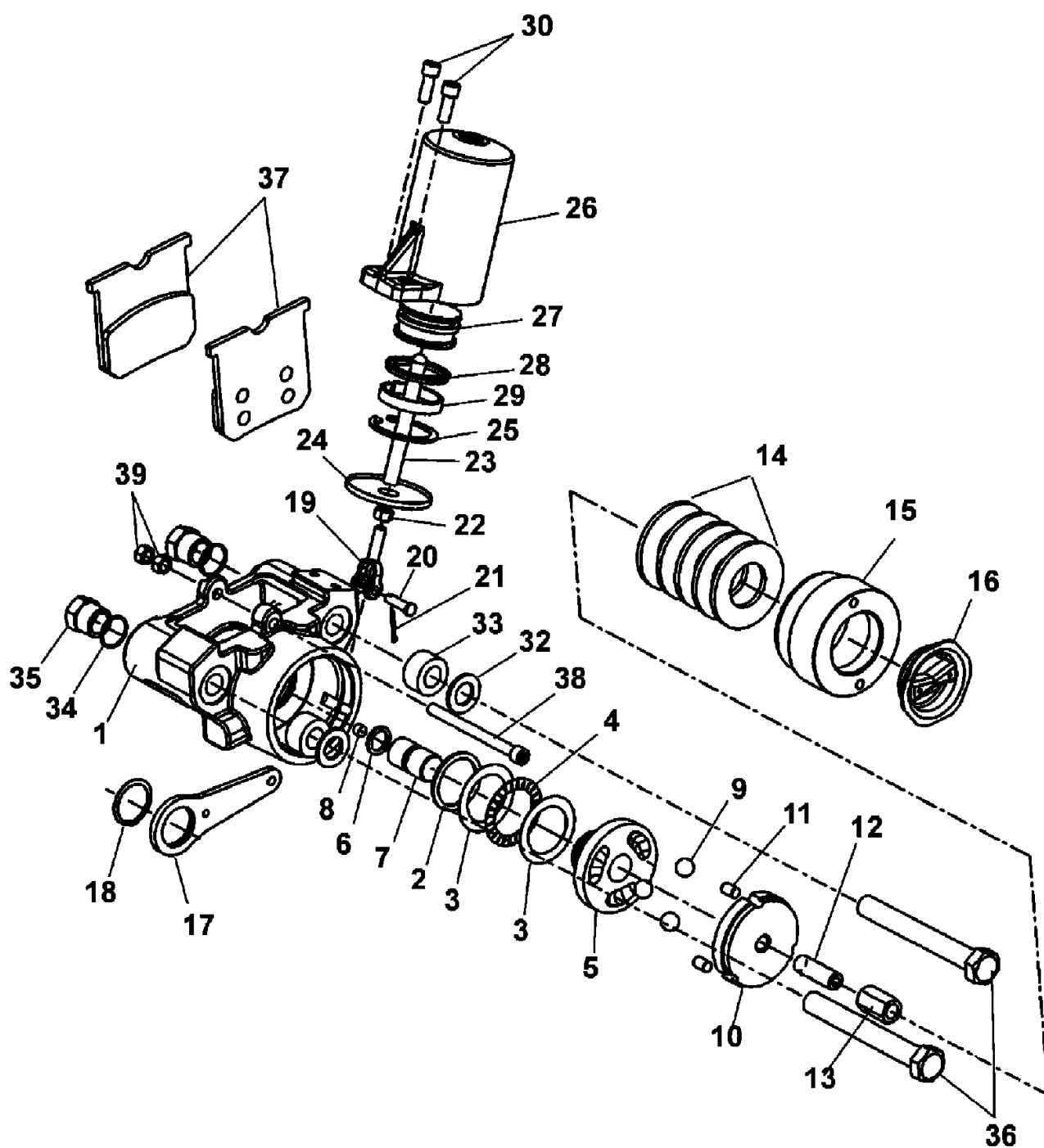
Assembly No.

7246100345

Revision:

Item	FN	Part	Qty	Description
1		7246100342	2	CBL-BLK 4/0 90" BAT-/START- INCLUDES THE FOLLOWING PARTS
		9246100185	1	BOOT, BLACK
2		7246100343	1	CBL-RED 4/0 84"BAT DISC/START+ INCLUDES THE FOLLOWING PARTS
		9246100177	2	BOOT, RED
3		7246100186	1	CABLE-BLK 60"ENG GND TO ALT -
4		7246100145	1	CABLE-RED 1/0 42" (STR TO ALT) INCLUDES THE FOLLOWING PARTS
		9246100159	2	BOOT, SWIVEL (RED)
5		7246100028	1	CABLE, BLACK
6		7246100198	2	CABLE-RED 1/0 36" (RLY/GRDHTR) INCLUDES THE FOLLOWING PARTS
		9246100159	2	BOOT, SWIVEL (RED)
8		7246100276	1	CABLE-RED 6GA 48" STRTR/RELAY
9		7246100220	1	CABLE-RED 6GA 48" STRTR/RELAY INCLUDES THE FOLLOWING PARTS
		9246100168	1	BOOT, RED

Manitowoc Cranes



Manitowoc Cranes

Description BRAKE ASSEMBLY-PARKING				Assembly No. 80022000 Revision:
Item	FN	Part	Qty	Description
1		NSS	1	PLATE, TORQUE
2	@\$	NSS	1	SEAL, O-RING
3	@	NSS	2	WASHER
4	@	NSS	1	BEARING
5		NSS	1	CAM, THRUST SEE ITEM 46 FOR SERVICE
6	@\$	NSS	1	SEAL, O-RING
7	@	NSS	1	PISTON ASSY.
8		NSS	1	MAGNET
9		NSS	3	BEARING, BALL SEE ITEM 46 FOR SERVICE
10		NSS	1	CAM SEE ITEM 46 FOR SERVICE
11		NSS	3	PIN, DOWEL SEE ITEM 46 FOR SERVICE
12	@	NSS	1	SETSCREW
13	@	NSS	1	NUT
14	@-	NSS	5	DISC SPRING
15		NSS	1	HOUSING
16		9188101096	1	PLUG,SCREW TYPE
17	*	NSS	1	LEVER
18	*@	NSS	1	RING, RETAINER
19	*	NSS	1	CLEVIS

@ SECOND REPAIR KIT AND/OR PART OF 2ND KIT
- THIRD REPAIR KIT AND/OR PART OF 3RD KIT

\$ FIFTH REPAIR KIT
* REPAIR KIT AND/OR PART OF KIT

Manitowoc Cranes

Description BRAKE ASSEMBLY-PARKING				Assembly No. 80022000 Revision:
Item	FN	Part	Qty	Description
20	*	NSS	1	PIN, CLEVIS
21	*	NSS	1	PIN, COTTER
22	*	NSS	1	NUT, JAM
23	*	NSS	1	ROD
24	*\$	NSS	1	EXCLUDER, ROD
25	*	NSS	1	RING, RETAINER
26	*	NSS	1	HOUSING, CYLINDER
27	*	NSS	1	PISTON
28	*\$	NSS	1	SEAL
29	*\$	NSS	1	RING,
30	*	NSS	2	CAPSCREW
32	@	NSS	2	WASHER, FLAT
33	@<	NSS	2	SPRING, URETHANE
34	@\$	NSS	2	SEAL, O-RING
35		9188101097	2	NUT,JAM
36		9188101020	2	CAP SCREW,
37	&	NSS	2	LINING & CARRIER ASSY.
38	&	NSS	1	CAPSCREW
39	&	NSS	2	NUT
40	*	9188101094	1	KIT, HYD.CYLINDER SERVICE
41	@	90011883	1	KIT, OVERHAUL
42	-	90011882	1	KIT, DICS SPRING

* REPAIR KIT AND/OR PART OF KIT
 @ SECOND REPAIR KIT AND/OR PART OF 2ND KIT
 & SIXTH REPAIR KIT

\$ FIFTH REPAIR KIT
 < FOURTH REPAIR KIT AND/OR PART OF 4TH KIT
 - THIRD REPAIR KIT AND/OR PART OF 3RD KIT

Manitowoc Cranes

Description

BRAKE ASSEMBLY-PARKING

Assembly No.

80022000

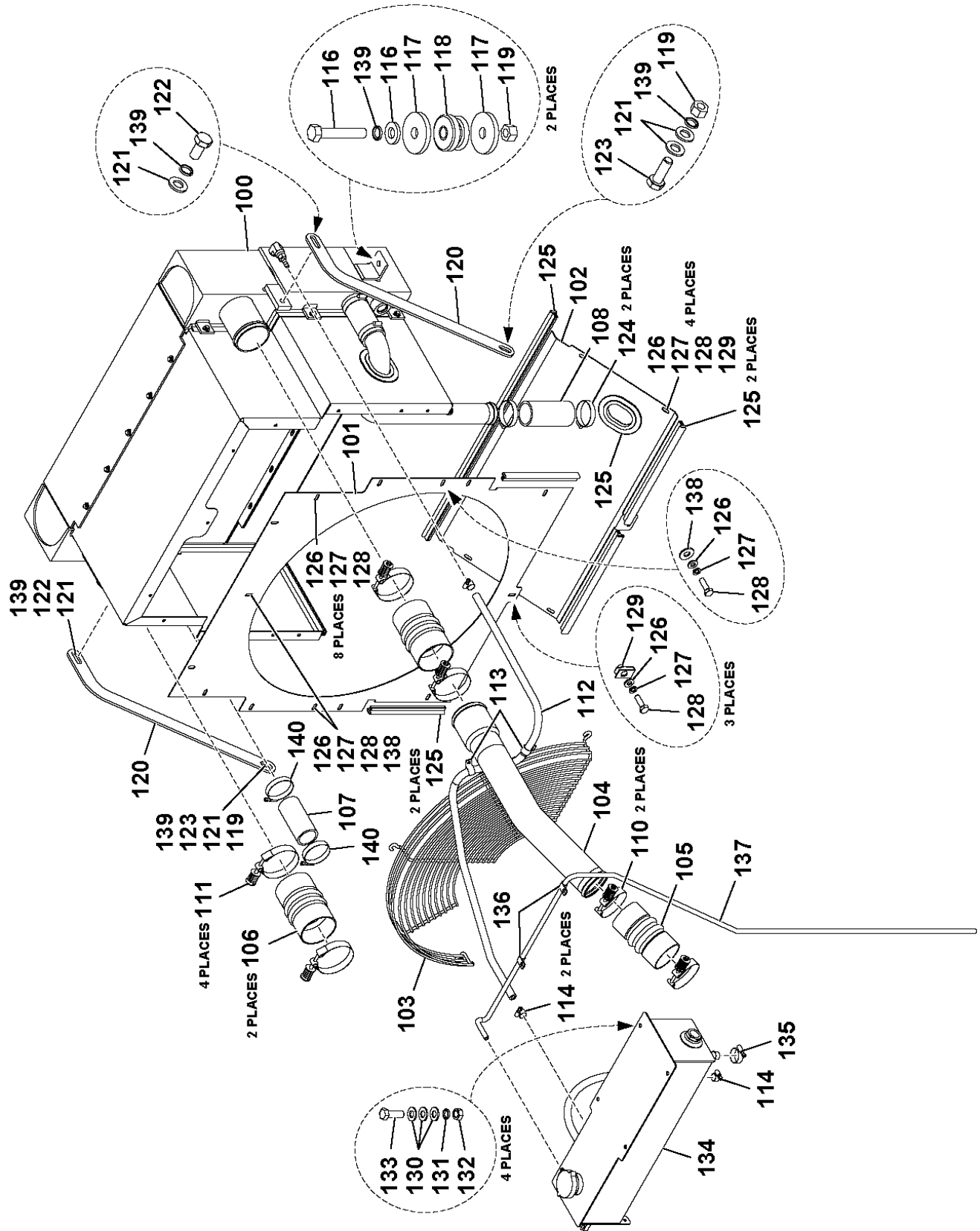
Revision:

Item	FN	Part	Qty	Description
43	<	9188101043	1	KIT, SPRING
44	\$	9188101078	1	KIT,SEAL
45	&	9188101041	1	KIT, LINING
46		90017521	1	KIT, CAM OVERHAUL INCLUDES ITEMS 5, 9 THRU 11

< FOURTH REPAIR KIT AND/OR PART OF 4TH KIT
& SIXTH REPAIR KIT

\$ FIFTH REPAIR KIT

Manitowoc Cranes



Manitowoc Cranes

Description RADIATOR INSTALLATION				Assembly No. 80014219 Revision: #
Item	FN	Part	Qty	Description
100	+	2159810147	1	RADIATOR ASSEMBLY (NOT AVAILABLE AS ASSEMBLY)
101		4159810075	1	SHROUD BACK PLATE
102		4159810074	1	SHROUD BOTTOM PLATE
103		80012114	1	FAN GUARD
104		7910101599	1	TUBE, CHARGE AIR COOL
105		7406000537	1	BELLOWS
106		7406001053	2	BELLOWS
107		8596902521	1	1.75"ID X 2.13"OD WRAPPED HOSE
108		8596902522	1	2.00"ID X 2.39"OD WRAPPED HOSE
110		7300000461	2	CLAMP, T-BOLT
111		7300001000	4	CLAMP
112		8596902527	5	HOSE, HEATER 3/8 ID X 11/16 OD
113		7300000195	2	CLAMP, TUBING 3/4" I.D.
114		7300000121	3	HOSE CLAMP -0.69"MAX
115		7949000235	2	WASHER, 1/2" I.D. FLAT
116		7126212150	2	CAP SCREW, M12 X 70MM HEX HEAD
117		6949000036	4	WASHER, HARDENED ROUND 1/2" I.D.
118	#	7638000044	2	SHOCK, MOUNTING
119		7661210003	4	NUT, HEX 12MM N.C.
120		4159810077	2	STRAP, MOUNTING
121		7951210014	6	WASHER, FLAT #12
122		7126211250	2	CAP SCREW, M12 X 25 HEX HEAD
123		7126211450	2	CAP SCREW, M12 X 35MM HEX HEAD
124		7300000035	2	CLAMP, HOSE 1 13/16" TO 2 3/4"
125		8246964300	7	MOULDING (QUANTITY IN FEET)
126		7951150014	18	WASHER, 6MM I.D.
127		7951150210	18	LOCKWASHER, 6MM I.D.
128		7126151153	18	CAP SCREW, M6X20 HEX HEAD
129		7659190019	7	NUT, RETAINING M6
130		7951170014	12	WASHER, FLAT #8
131		7951170210	4	WASHER, LOCK 8MM

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description

RADIATOR INSTALLATION

Assembly No.

80014219

Revision: #

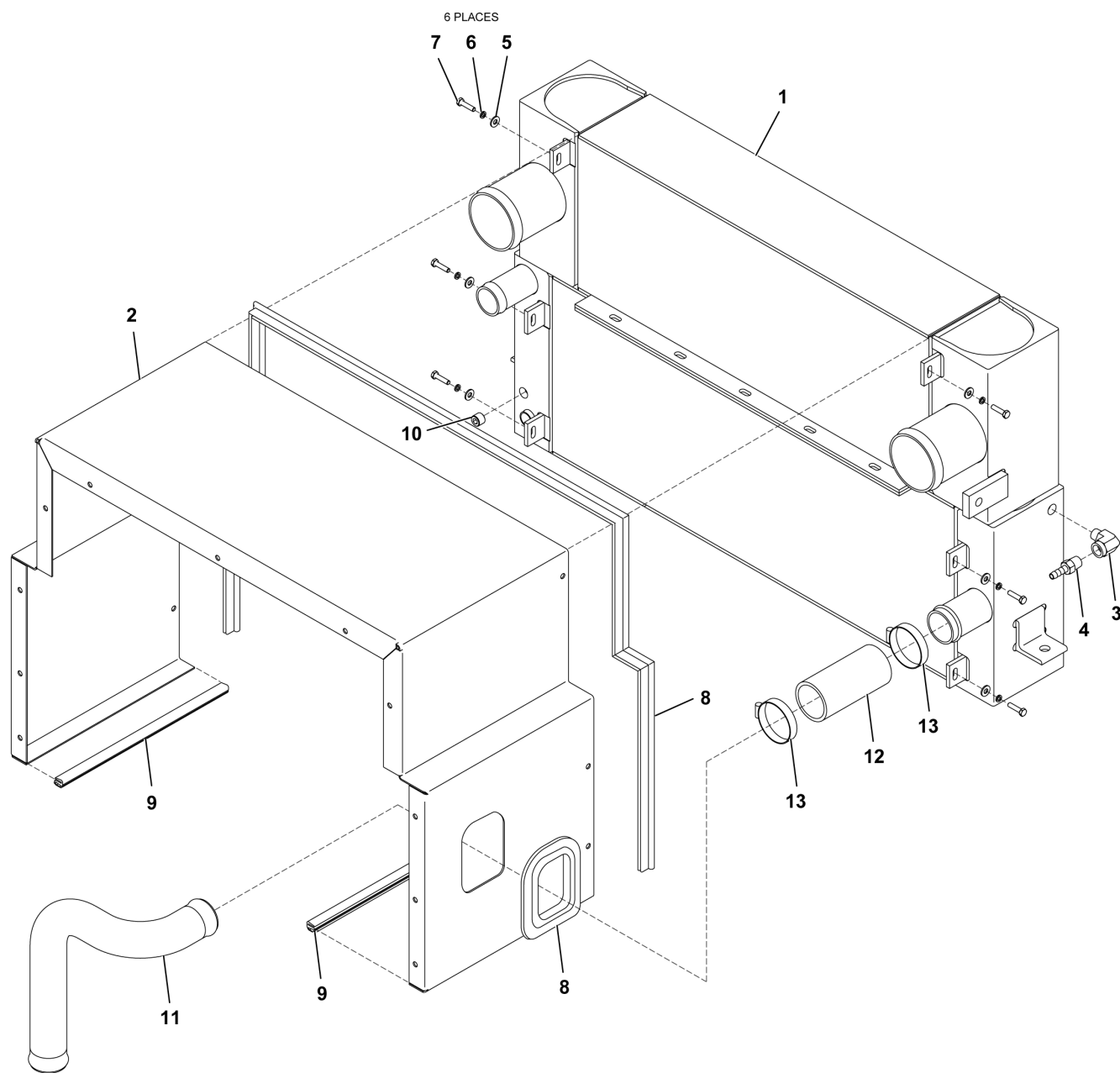
Item	FN	Part	Qty	Description
132		7661170003	4	NUT
133		7126171253	4	CAP SCREW, M8X25 HEX HEAD
134	+	2159810114	1	TANK ASSEMBLY - SURGE (NOT AVAILABLE AS ASSEMBLY)
135		7300000167	1	CLAMP, HOSE
136		7300000101	2	CLAMP, TUBING 1/2" I.D.
137		8596902531	6	TUBE, RUBBER 5/16 ID X 50'LONG
138		7950140161	3	WASHER, 1/4" I.D. FLAT WIDE
139		7951210210	6	LOCK WASHER, 12MM I.D.
140		7300000006	2	CLAMP, HOSE

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

RADIATOR ASSEMBLY (NOT AVAILABLE AS ASSEMBLY)

Assembly No.

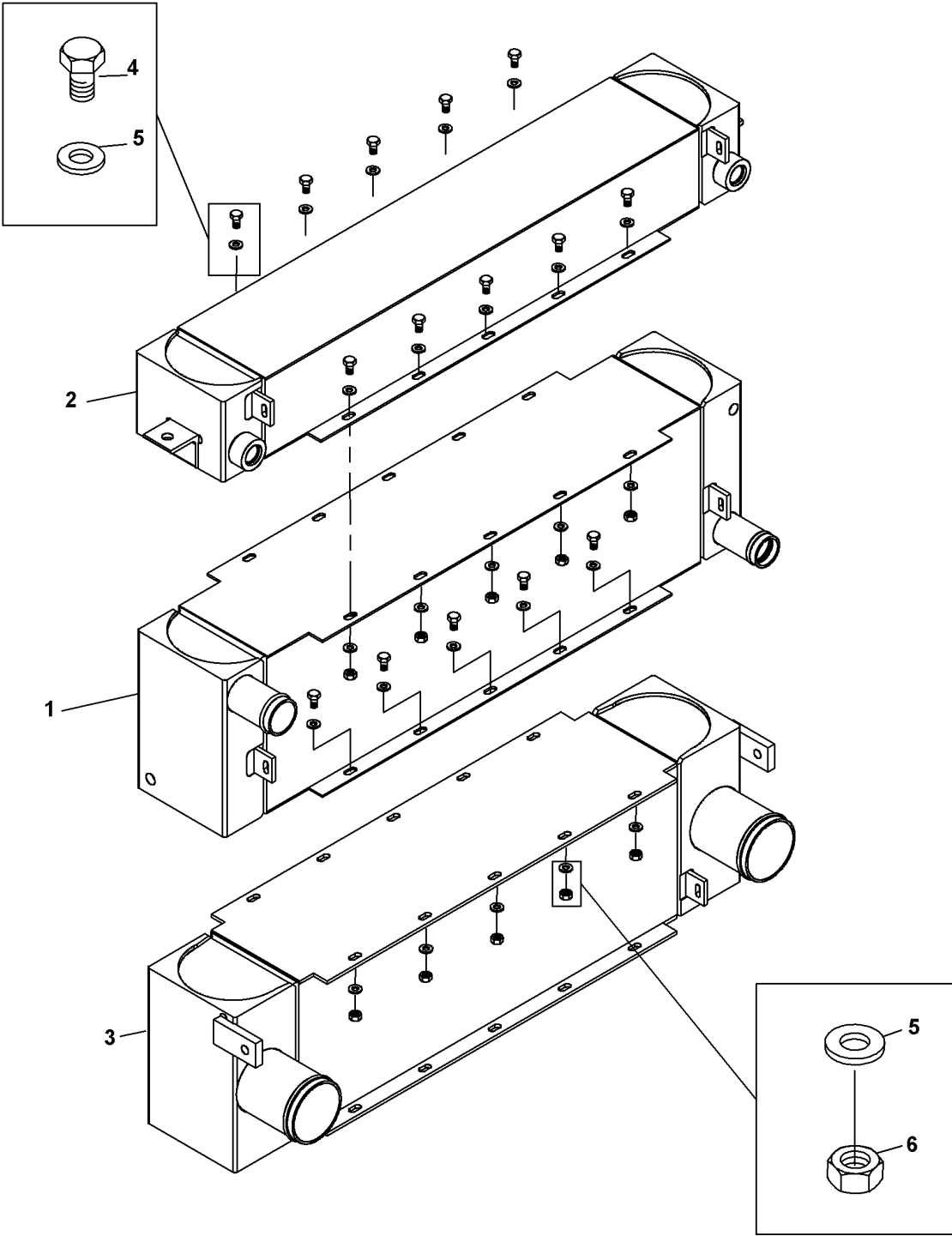
2159810147

Revision: **A**

Item	FN	Part	Qty	Description
1	+	7726191194	1	COOLER ASSEMBLY - RADIATOR/CHARGE AIR (COMPLETE ASSEMBLY)
2		2159810148	1	SHROUD
		7662150100	22	INCLUDES THE FOLLOWING PARTS WELD NUT, M6X1.0
3		7445060653	1	ELBOW, 90 DEGREE
4		7649000062	1	NIPPLE
5		7950140141	11	WASHER, FLAT 1/4" PLAIN NARROW
6		7951150210	11	LOCKWASHER, 6MM I.D.
7		7126151253	11	CAP SCREW, M6 X 25MM
8		8246964300	6	MOULDING (QUANTITY IN FEET)
9		8637062018	2	MOULDING (QUANTITY IN FEET)
10		7444030031	1	PLUG, PIPE
11		7910101600	1	TUBE, RADIATOR
12		8596902522	1	2.00"ID X 2.39"OD WRAPPED HOSE
13		7300000035	2	CLAMP, HOSE 1 13/16" TO 2 3/4"

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

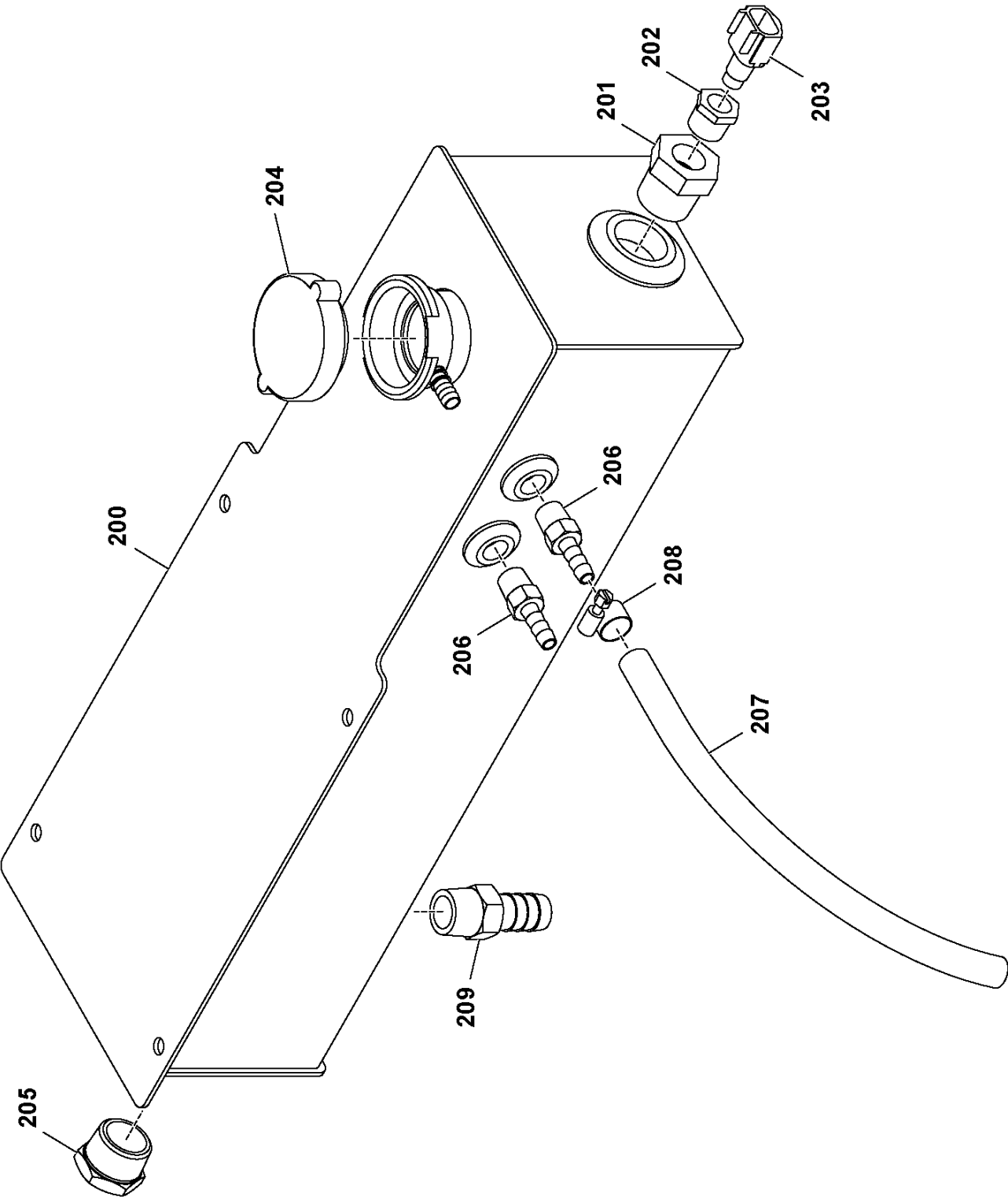
COOLER ASSEMBLY - RADIATOR/CHARGE AIR (COMPLETE ASSEMBLY)

Assembly No.

7726191194

Revision:

Item	FN	Part	Qty	Description
1		9726100338	1	RADIATOR ASSY.
2		9726100337	1	COOLER ASSY. TRANS. OIL
3		9726100339	1	COOLER ASSY. AIR CHARGE
4		9726100326	20	CAPSCREW
5		9726100169	40	FLATWASHER 8MM I.D.
6		9726100327	20	NUT



Manitowoc Cranes

Description

TANK ASSEMBLY - SURGE (NOT AVAILABLE AS ASSEMBLY)

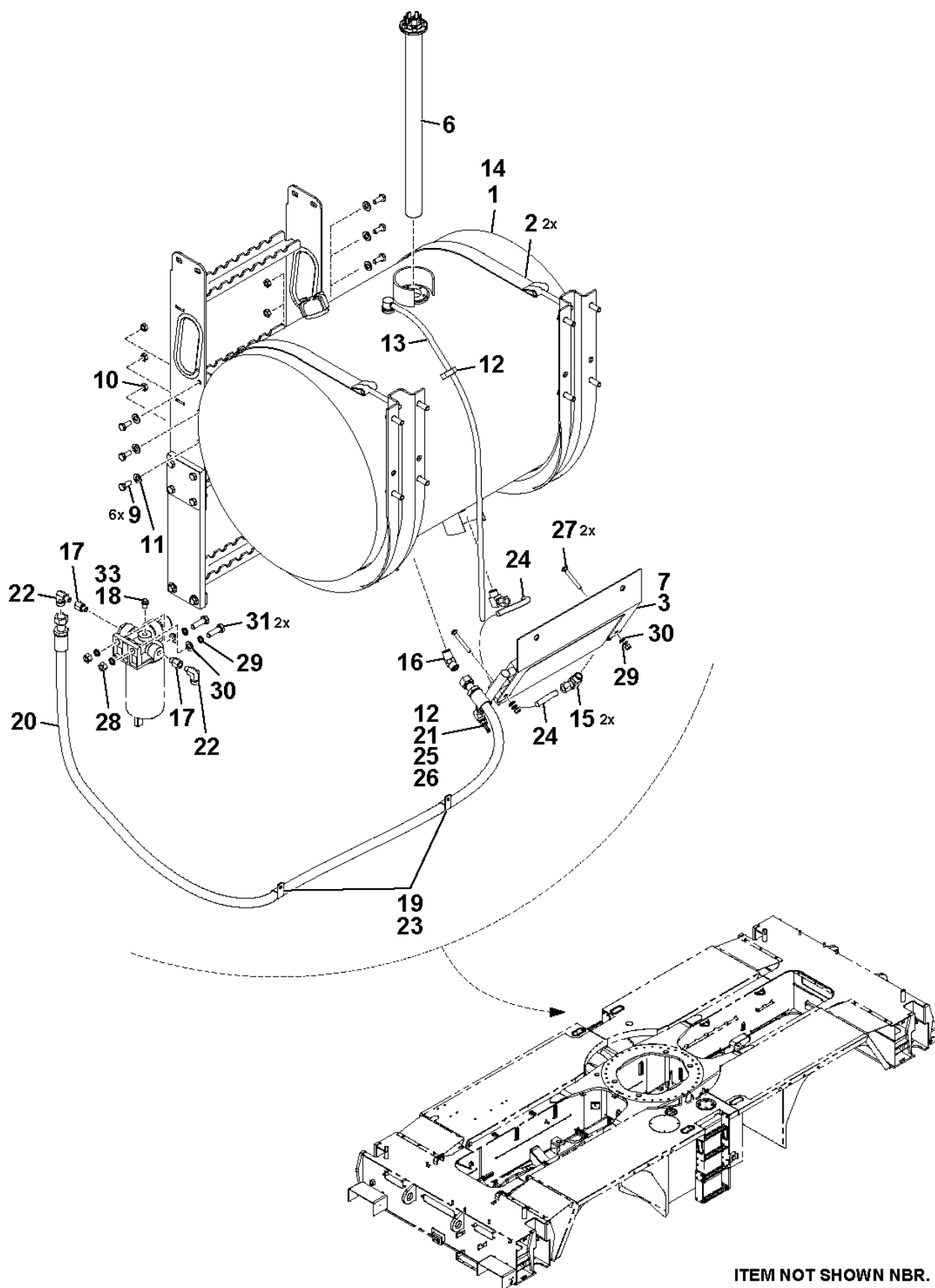
Assembly No.

2159810114

Revision: **B**

Item	FN	Part	Qty	Description
200		2159810180	1	SURGE TANK
201		7445160850	1	BUSHING, REDUCER
202		7445080450	1	BUSHING, REDUCER
203		7352100036	1	SENSOR-COOLANT LEVEL
204		7258001468	1	RADIATOR CAP
205		7486002666	1	GAUGE, WINDOW
206		7649000062	2	NIPPLE
207		8596902527	2	HOSE, HEATER 3/8 ID X 11/16 OD
208		7300000121	1	HOSE CLAMP -0.69"MAX
209		7649000005	1	NIPPLE

Manitowoc Cranes



ITEM NOT SHOWN NBR. 5

Manitowoc Cranes

Description				Assembly No.
FUEL TANK INSTALLATION				80025193
				Revision: A
Item	FN	Part	Qty	Description
1	+	7880100116	1	TANK ASSEMBLY - 58 GALLON FUEL (COMPLETE ASSEMBLY)
2	#	7880000092	2	KIT, JAY BRACKET
3	#	7726000128	1	COOLER, OIL
5		8637059004	3	MOULDING (QUANTITY IN FEET)
6		7352000878	1	SENDER, FUEL LEVEL INCLUDES THE FOLLOWING PARTS
		9352100751	1	KIT, GASKET AND HARDWARE
7	+	7576001743	1	MOUNTING KIT - OIL COOLER
8	+	80025188	1	LADDER ASSEMBLY
9		7126191253	6	CAP SCREW, M10 X 25 HEX HEAD
10		7661191103	6	LOCKNUT
11		7951190014	6	FLAT WASHER, 10MM I.D.
12		7300000121	2	HOSE CLAMP -0.69"MAX
13		8596902512	4	HOSE ASSY, 1/4" I.D. X 25'
14		7444040021	1	PLUG, PIPE 1/2" N.P.T.
15		7446080836	2	ELBOW, 90 DEGREE MALE
16		7447080829	1	ELBOW, 45 DEGREE INCLUDES THE FOLLOWING PARTS
		7755014002	1	O-RING
		7755908002	1	O-RING
17		7013000405	2	ADAPTER
18		80018055	1	PLUG - M12 X 1.5
19		7660152701	2	LOCKNUT 5/16" - 18 N.C.
20		7561308430	1	HOSE ASSY, 1/2" ID STR-STR HYD
21		7445040453	1	ELBOW, 90 DEGREE
22		7447080430	2	ELBOW, MALE ORS THD TO MALE N
23		7300100015	2	CLAMP, 7/8" TUBING
24		7916080182	1	1/2 X 18" NYLON FUEL TUBE
25		7445080450	1	BUSHING, REDUCER
26		7649000042	1	NIPPLE, HOSE
27		7126211253	2	CAP SCREW, M12 X 25MM HEX HEAD
28		7661210003	2	NUT, HEX 12MM N.C.
29		7951210210	12	LOCK WASHER, 12MM I.D.

+ SEE FURTHER BREAKDOWN THIS GROUP

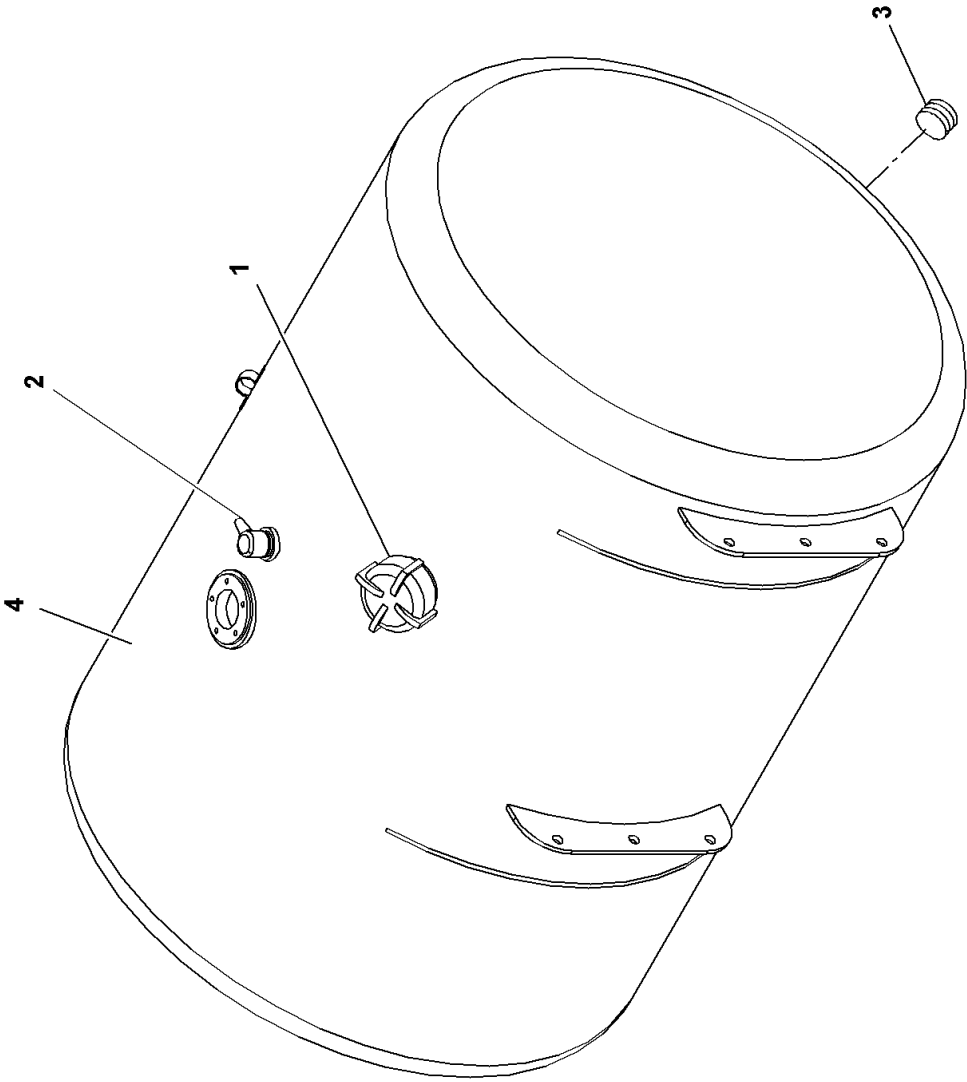
SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description				Assembly No.
FUEL TANK INSTALLATION				80025193
				Revision: A
Item	FN	Part	Qty	Description
30		7951210014	14	WASHER, FLAT #12
31		7126211550	10	CAP SCREW, M12 X 40
33		7949180045	1	WASHER, COPPER

Manitowoc Cranes

Notes



Manitowoc Cranes

Description

TANK ASSEMBLY - 58 GALLON FUEL (COMPLETE ASSEMBLY)

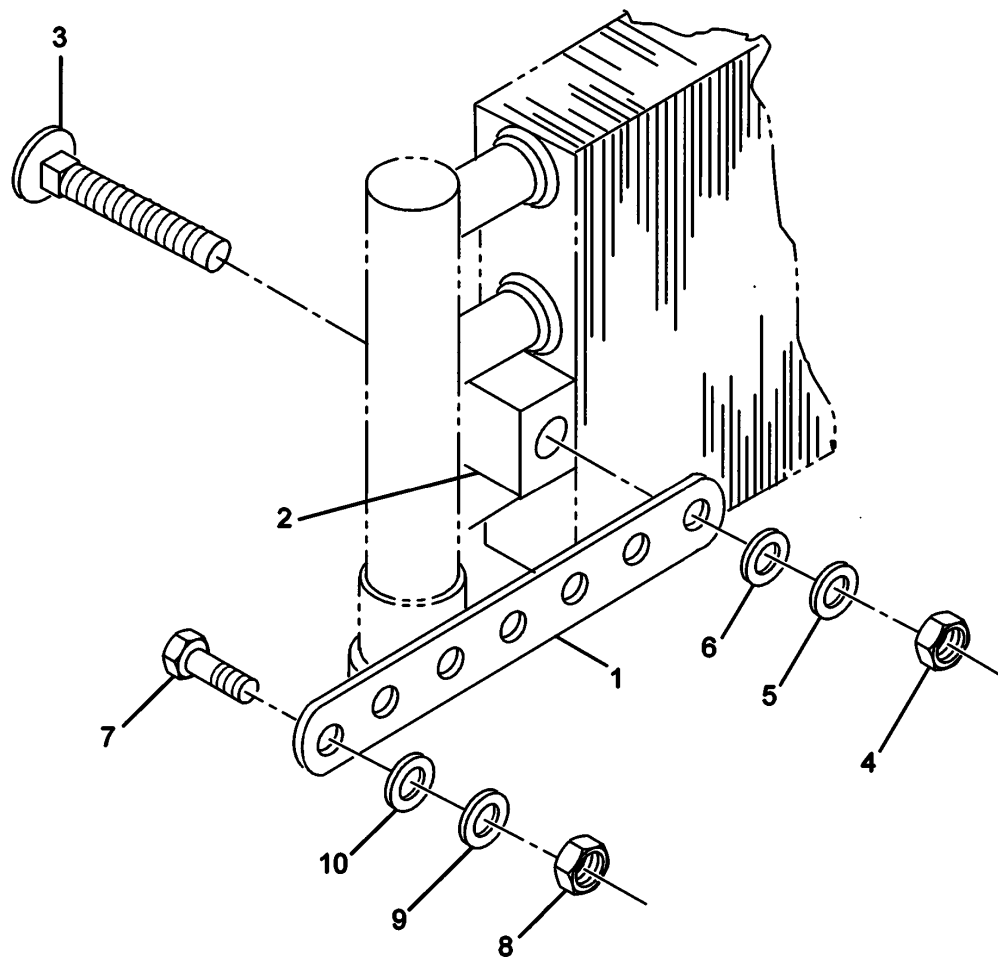
Assembly No.

7880100116

Revision:

Item	FN	Part	Qty	Description
1		9880100202	1	CAP ASSY.
2		9880100073	1	VENT
3		9880100081	2	PLUG, MAGNETIC
4		NSS	1	WELDMENT, TANK

Manitowoc Cranes



Manitowoc Cranes

Description

MOUNTING KIT - OIL COOLER

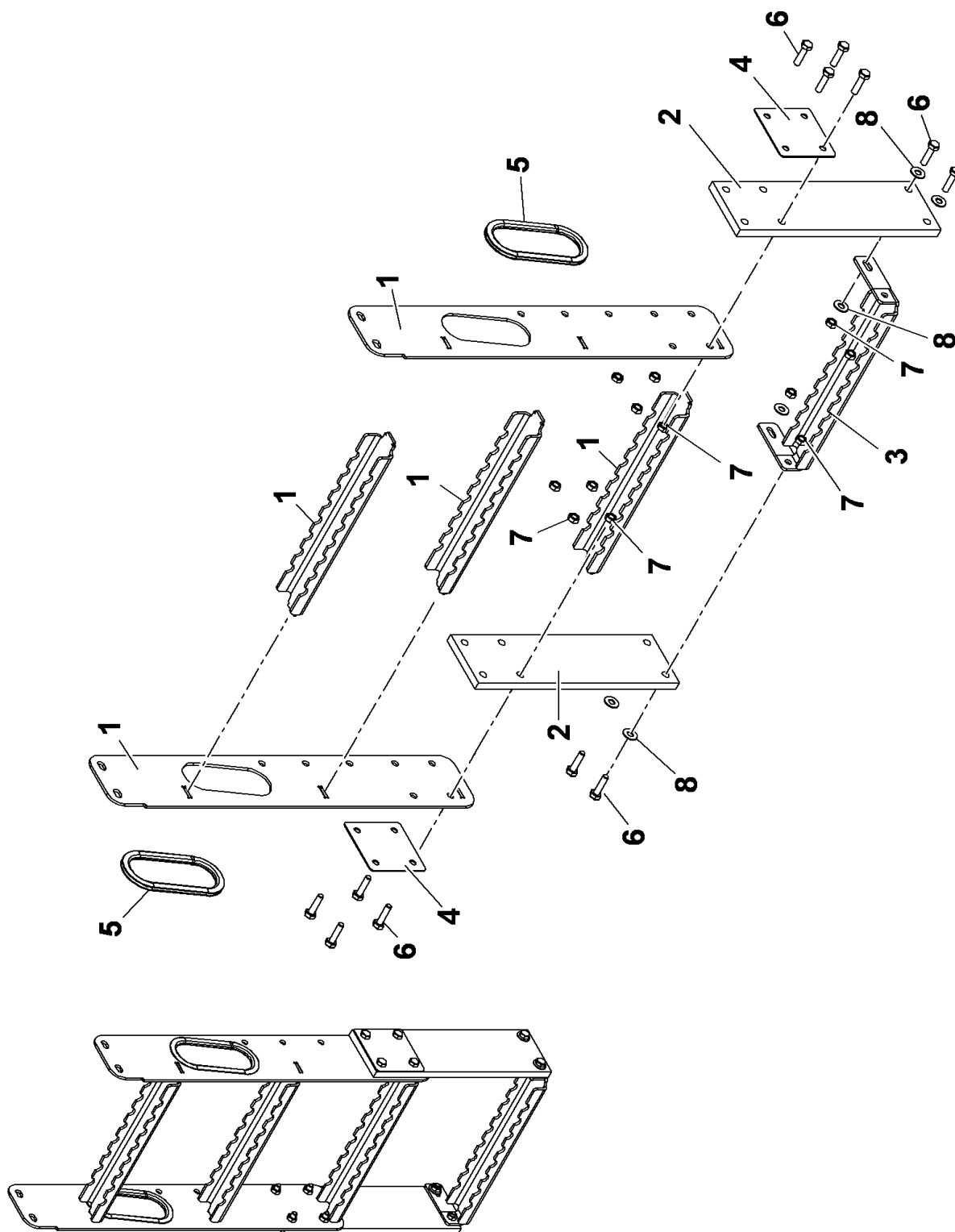
Assembly No.

7576001743

Revision:

Item	FN	Part	Qty	Description
1		9576101028	2	STRAP
2		9576101029	2	BUSHING
3		7115152050	2	CAP SCREW, 5/16" - 18 N.C. X 2 1/2" GRADE 5
4		7660150008	2	NUT, HEX 5/16" - 18 N.C. GRADE 8
5		7950150050	2	WASHER, LOCK 5/16" I.D.
6		7950150141	2	WASHER, FLAT 5/16"
7		7115140650	2	CAP SCREW, 1/4" - 20 N.C. X 3/4" GRADE 5
8		7660140008	2	NUT, HEX 1/4" - 20 N.C.
9		7950140050	2	WASHER, LOCK 1/4"
10		7950140141	2	WASHER, FLAT 1/4" PLAIN NARROW

Manitowoc Cranes



Manitowoc Cranes

Description

LADDER ASSEMBLY

Assembly No.

80025188

Revision: **A**

Item	FN	Part	Qty	Description
1		80025187	1	LADDER
2		7418100008	2	EXTENSION, STEP
3		80022993	1	STEP
4		4159110071	2	PLATE
5		9637100001	1	MOULDING 10 FEET (MUST CUT TO LENGTH NEEDED)
6		7126191550	12	CAP SCREW, M10 X 40MM HEX HEAD
7		7661191103	12	LOCKNUT
8		7950160161	6	WASHER, FLAT WIDE 3/8

[illegible]

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Manitowoc Cranes

Description				Assembly No.
BATTERY INSTALLATION				2159810190
				Revision: B
Item	FN	Part	Qty	Description
1		7064000070	2	BATTERY, 12 VOLT
2		4159810086	1	BRACKET, POWER FUSES
3		7482000555	3	FUSE, 100 AMP
4		7086001082	3	HOLDER, FUSE
5		6059100001	1	BAR, BUSS
6		7300000393	1	BATTERY, HOLD-DOWN
7		6865147860	2	STUD
8		7950160050	4	WASHER, LOCK 3/8" I.D.
9		7660160200	4	NUT, HEX JAM 3/8" - 16 N.C.
10		7950140161	8	WASHER, 1/4" I.D. FLAT WIDE
11		7950140050	6	WASHER, LOCK 1/4"
12		7660140000	6	NUT, HEX 1/4" - 20 N.C.
13		7111140810	2	SCREW, MACHINE 1/4" - 20 N.C. X 1" GRADE 1
14		7111100807	6	SCREW, MACHINE 3/16" - 24 N.C. X 1" GRADE 1
15		7660101100	8	NUT, HEX 3/16" - 32 N.F. GRADE 1
16		7950100050	8	WASHER, LOCK #10
17		7950100141	10	WASHER, FLAT, #10
18	+	7246100441	1	KIT - CABLE (BATTERIES) RT535
19		7429000542	2	FASTENER, NUT 1/4" - 20 N.C.
20		8496980002	5	MOULDING (QUANTITY IN FEET)
21		7850000237	2	TIE, CABLE (BLACK) 7 5/16" LONG
22	#	7352100069	1	MODULE, MASTER CONTROL
23		7872100142	1	DISCONNECT SWITCH
24	#	7352100067	1	MODULE, CARRIER CONTROL
25		7111100811	2	SCREW, MACHINE 3/16" - 24 N.C. X 1" GRADE 1

+ SEE FURTHER BREAKDOWN THIS GROUP

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes

Description

BATTERY INSTALLATION

Assembly No.

2159810190

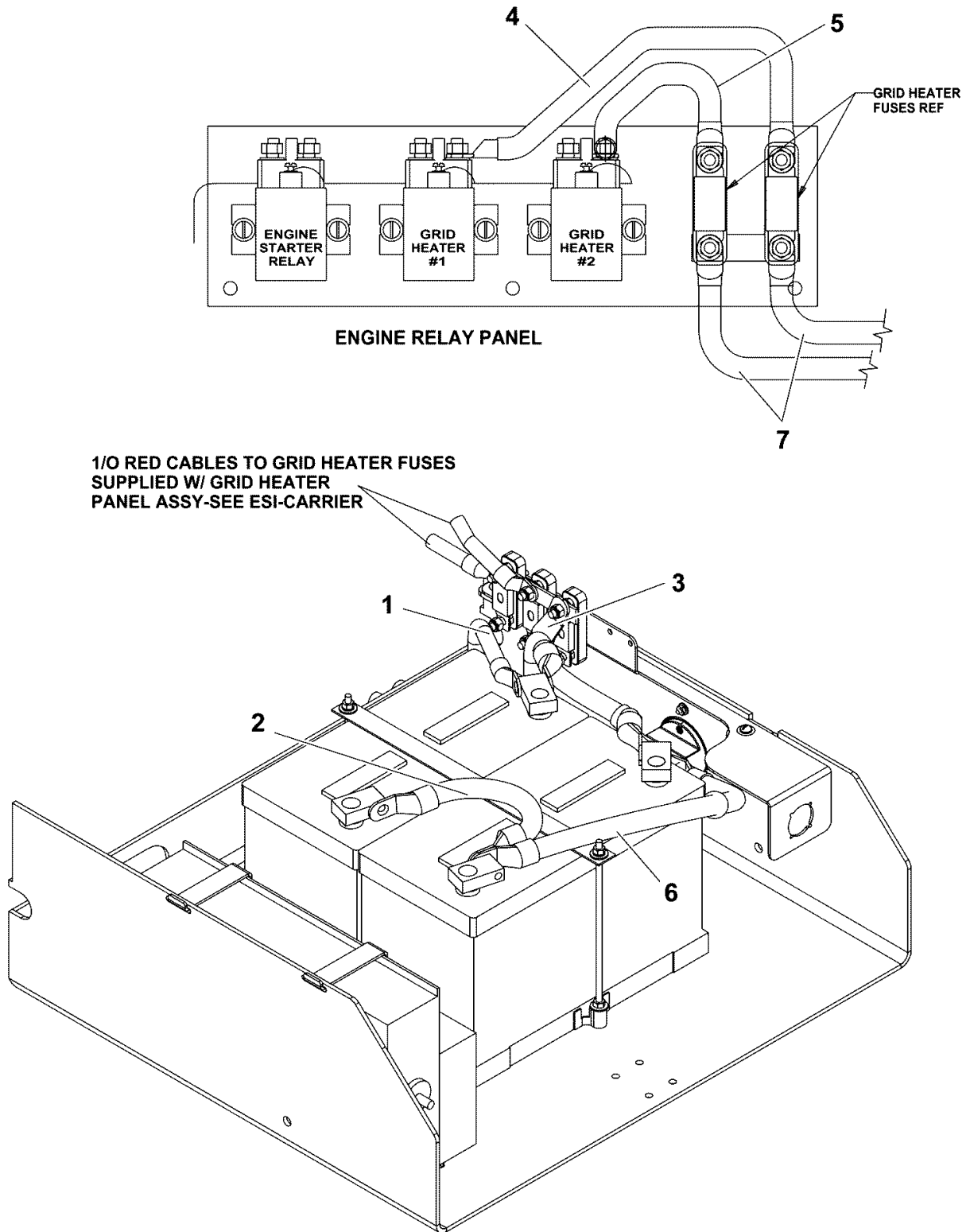
Revision: **B**

Item	FN	Part	Qty	Description
26		4159110253	1	STRAP, MOUNTING
27		4159110254	1	STRAP, MOUNTING
28		7115150650	2	CAP SCREW, 5/16" - 18 N.C. X 3/4" GRADE 5
29		7950150141	2	WASHER, FLAT 5/16"
30		7950150050	2	WASHER, LOCK 5/16" I.D.
31		80018360	1	PAD, TRAY

Manitowoc Cranes

Notes

Manitowoc Cranes



Manitowoc Cranes

Description

KIT - CABLE (BATTERIES) RT535

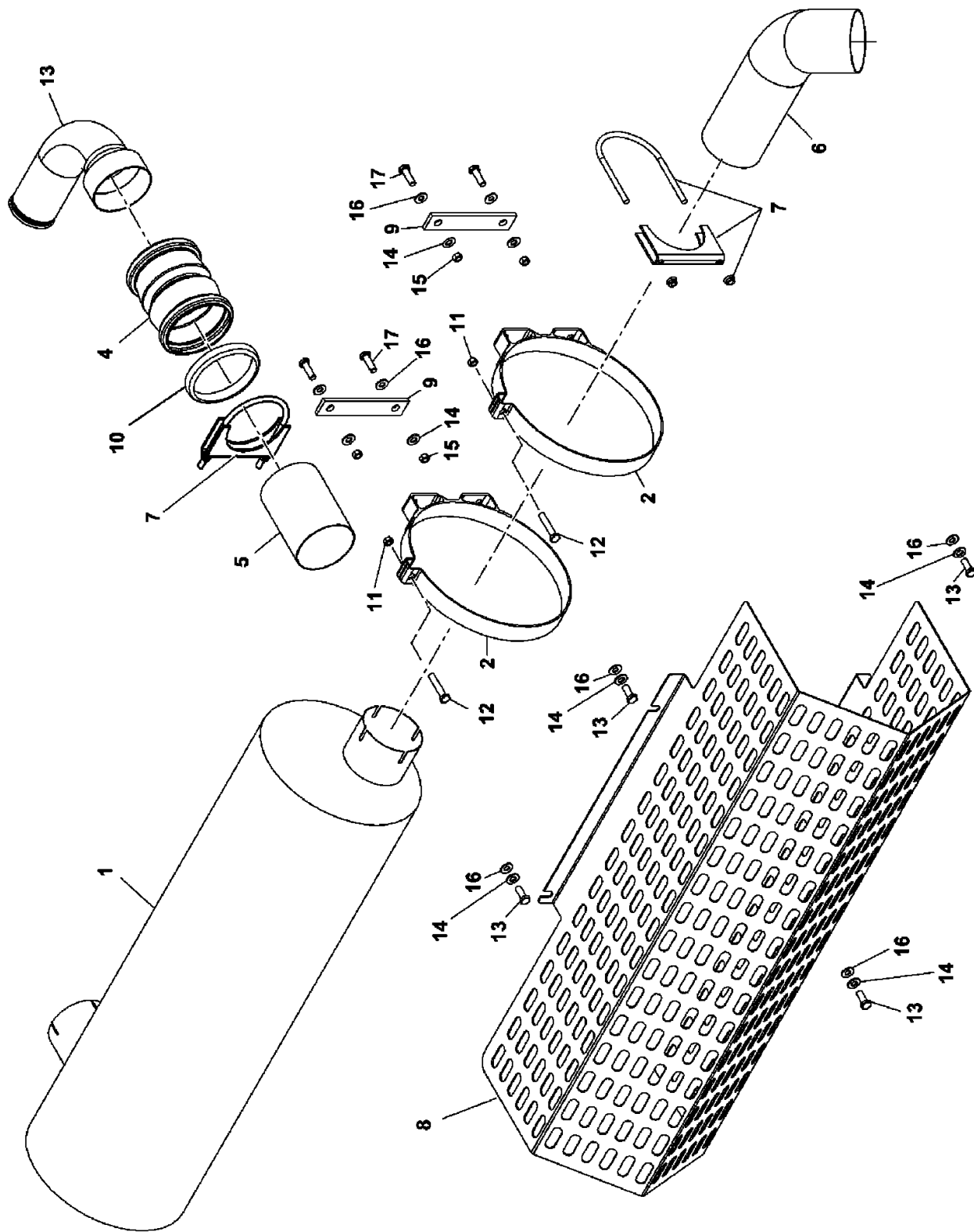
Assembly No.

7246100441

Revision:

Item	FN	Part	Qty	Description
1		7246100031	1	CABLE ASSY 2/0 BLK (66" LG)
2		7246100114	1	CABLE ASSY-4/0 RED (9.0")LG
		9246100177	2	INCLUDES THE FOLLOWING PARTS BOOT, RED
3		7246100227	1	CABLE-RED 4/0 10" DISCSW/FUSE
		9246100177	1	INCLUDES THE FOLLOWING PARTS BOOT, RED
4		7246100156	1	CABLE-RED 1/0 12" FUSE/RELAY
		9246100159	2	INCLUDES THE FOLLOWING PARTS BOOT, SWIVEL (RED)
5		7246100157	1	CABLE-RED 1/0 8" FUSE TO RELAY
		9246100159	2	INCLUDES THE FOLLOWING PARTS BOOT, SWIVEL (RED)
6		7246100453	1	CABLE, RED 4/0 32" BAT+/ BAT
		9246100177	1	INCLUDES THE FOLLOWING PARTS BOOT, RED
7		7246100347	2	CABLE-RED 1/0 96" FUSE/FUSE

Manitowoc Cranes



Manitowoc Cranes

Description

SYSTEM INSTALLATION - EXHAUST

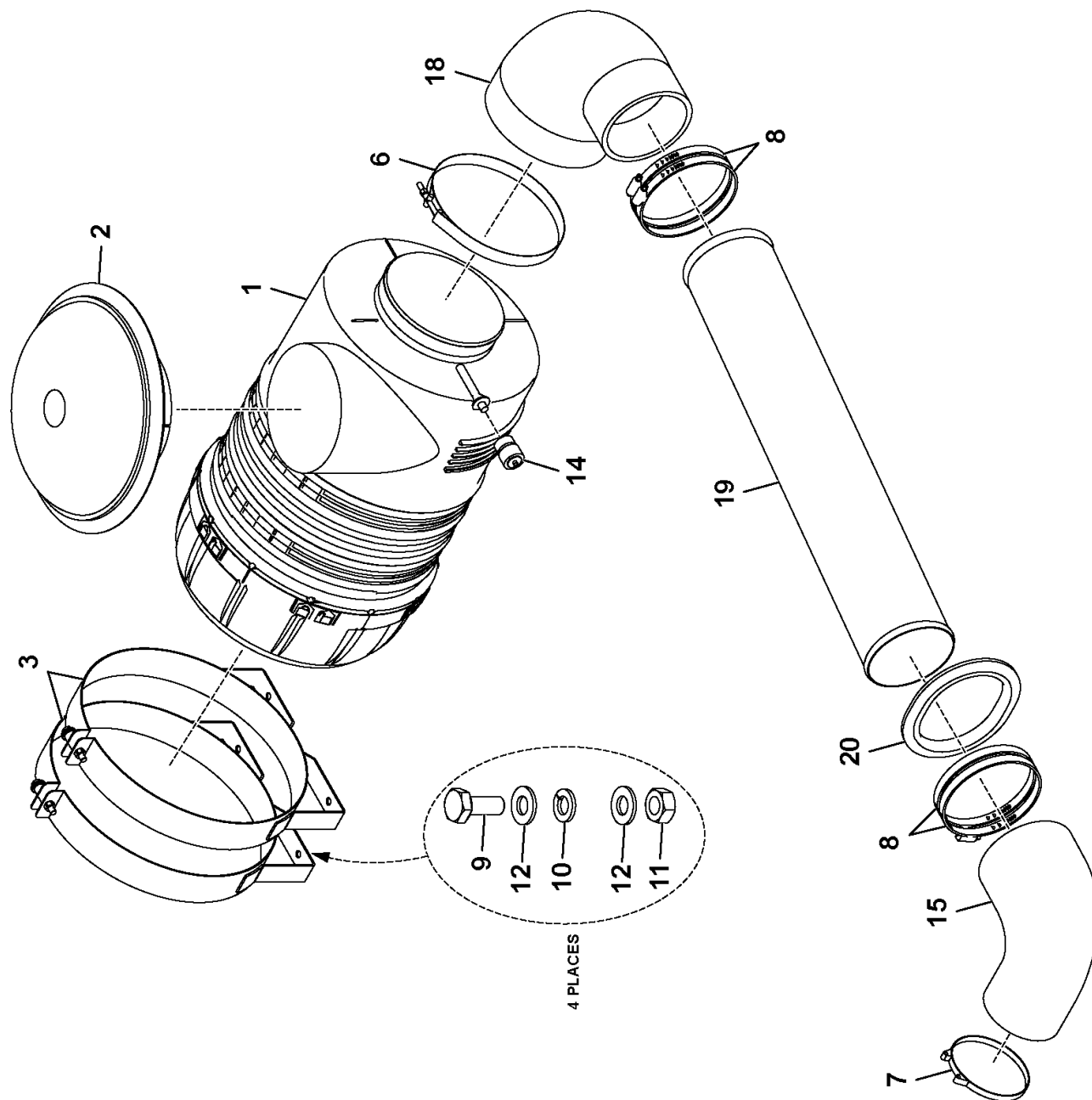
Assembly No.

2159810115

Revision: **D**

Item	FN	Part	Qty	Description
1		80015981	1	MUFFLER
2		7056000620	2	BAND, MOUNTING
3		7910101450	1	TUBE, EXHAUST
4		7364002995	1	COUPLER, FLEX
				INCLUDES THE FOLLOWING PARTS
		9364101388	1	GASKET
		9364101404	1	CLAMP
		9364101403	1	RETAINER
5		6910100085	1	TUBE, STRAIGHT
6		80024299	1	TAILPIPE
7		7300000231	2	MUFFLER CLAMP
8		6814100042	1	GUARD, MUFFLER
9		6705100115	2	PLATE
10		7300000018	1	CLAMP 4 1/2"
11		7661171103	2	NUT, HEX 8MM N.C.
12		7126171553	2	CAP SCREW, M8 X 40MM HEX HEAD
13		7126191253	4	CAP SCREW, M10 X 25 HEX HEAD
14		7951190220	8	WASHER, LOCK
15		7661190003	4	NUT, HEX 10MM
16		7951190014	8	FLAT WASHER, 10MM I.D.
17		7126191353	4	CAP SCREW, M10 X 30MM HEX HEAD

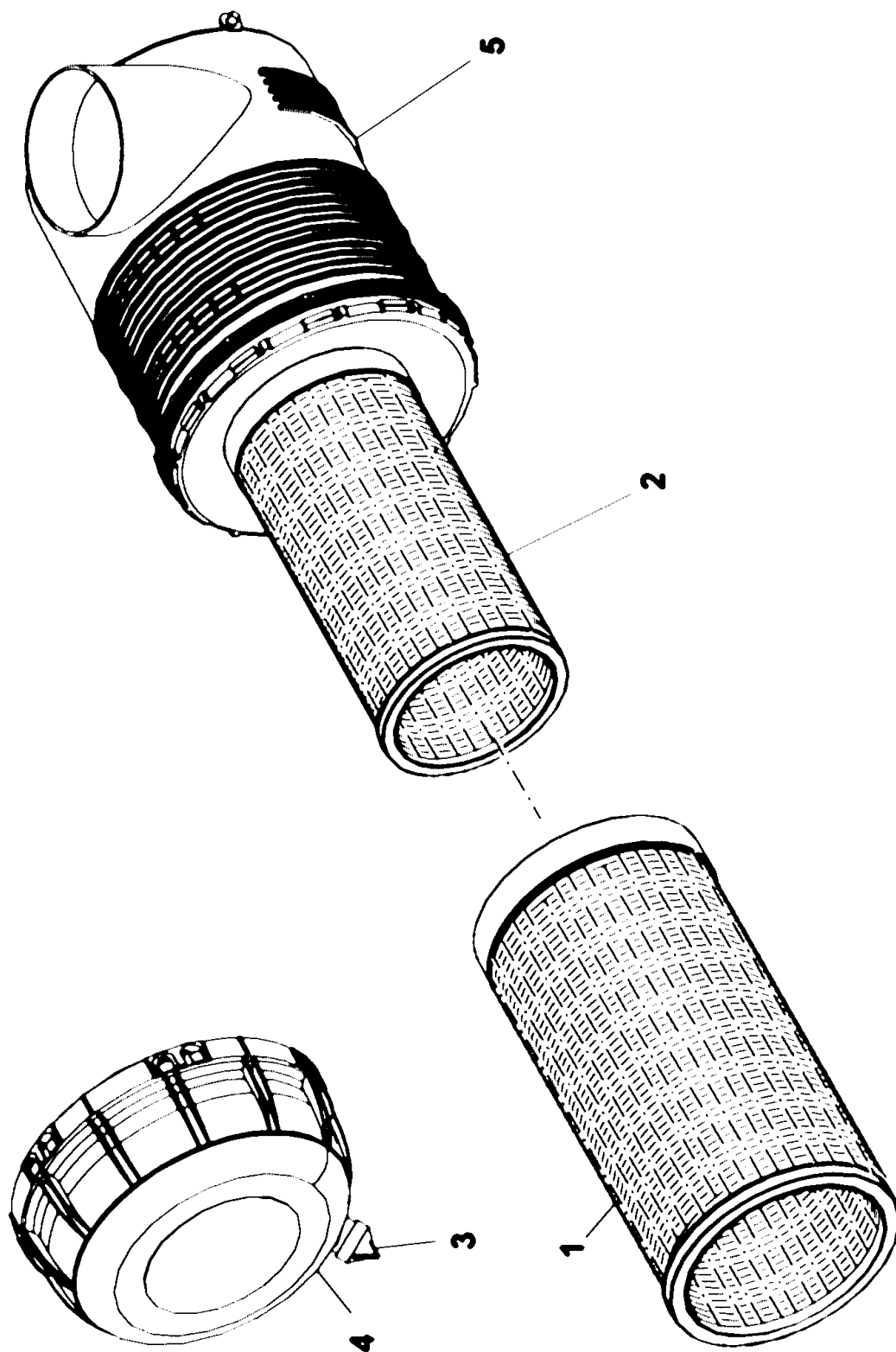
Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.	
AIR CLEANER INSTALLATION				80009949	
				Revision: #	
Item	FN	Part	Qty	Description	
1	+	7304100012	1	CLEANER ASSEMBLY - AIR (COMPLETE ASSEMBLY)	
2		7535100006	1	HOOD, INLET	
3		7056100011	2	BAND, MOUNTING	
6		7300100026	1	CLAMP, T-BOLT 7.75 NOM	
7		7300000223	1	CLAMP, T-BOLT	
8		7300000206	4	CLAMP, HOSE	
9		7126191253	4	CAP SCREW, M10 X 25 HEX HEAD	
10		7951190220	4	WASHER, LOCK	
11		7661190003	4	NUT, HEX 10MM	
12		7951190014	8	FLAT WASHER, 10MM I.D.	
14		7486000629	1	INDICATOR, SERVICE	
15		7013000156	1	ELBOW	
18		80010098	1	90 DEG REDUCING ELBOW	
19		7910101222	1	TUBE, INTAKE 28"	
20		8246964300	2	MOULDING (QUANTITY IN FEET)	

+ SEE FURTHER BREAKDOWN THIS GROUP



Manitowoc Cranes

Description

CLEANER ASSEMBLY - AIR (COMPLETE ASSEMBLY)

Assembly No.

7304100012

Revision:

Item	FN	Part	Qty	Description
1		90001159	1	ELEMENT, PRIMARY
2		90001160	1	ELEMENT, SECONDARY
3		90001162	1	VALVE, DUST EJECTION
4		90001163	1	COVER ASSY.
5		NSS	1	HOUSING

Manitowoc Cranes

Notes

Manitowoc Cranes

Description

FENDERS KIT-HOIST ACCESS

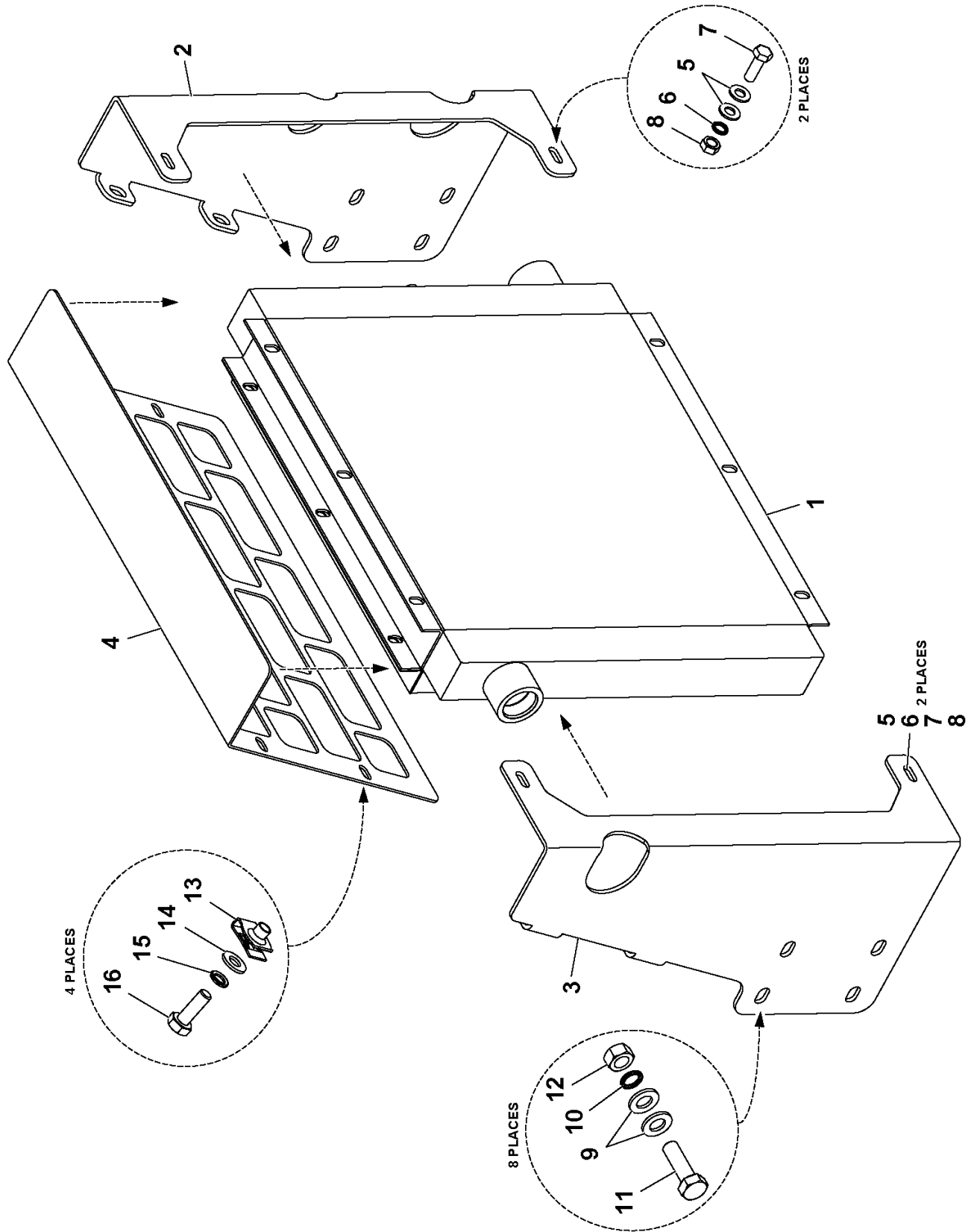
Assembly No.

80010096

Revision: #

Item	FN	Part	Qty	Description
1		2159110174	1	FENDER, RIGHT HAND REAR INCLUDES THE FOLLOWING PARTS
		7662170100	3	WELD NUT, M8X1.25
2		2159110175	1	FRONT FENDER - LEFT HAND
3		2159110176	1	FENDER, RIGHT HAND FRONT INCLUDES THE FOLLOWING PARTS
		7662170100	3	WELD NUT, M8X1.25
4		80010000	1	REAR FENDER - LEFT HAND

Manitowoc Cranes



Manitowoc Cranes

Description

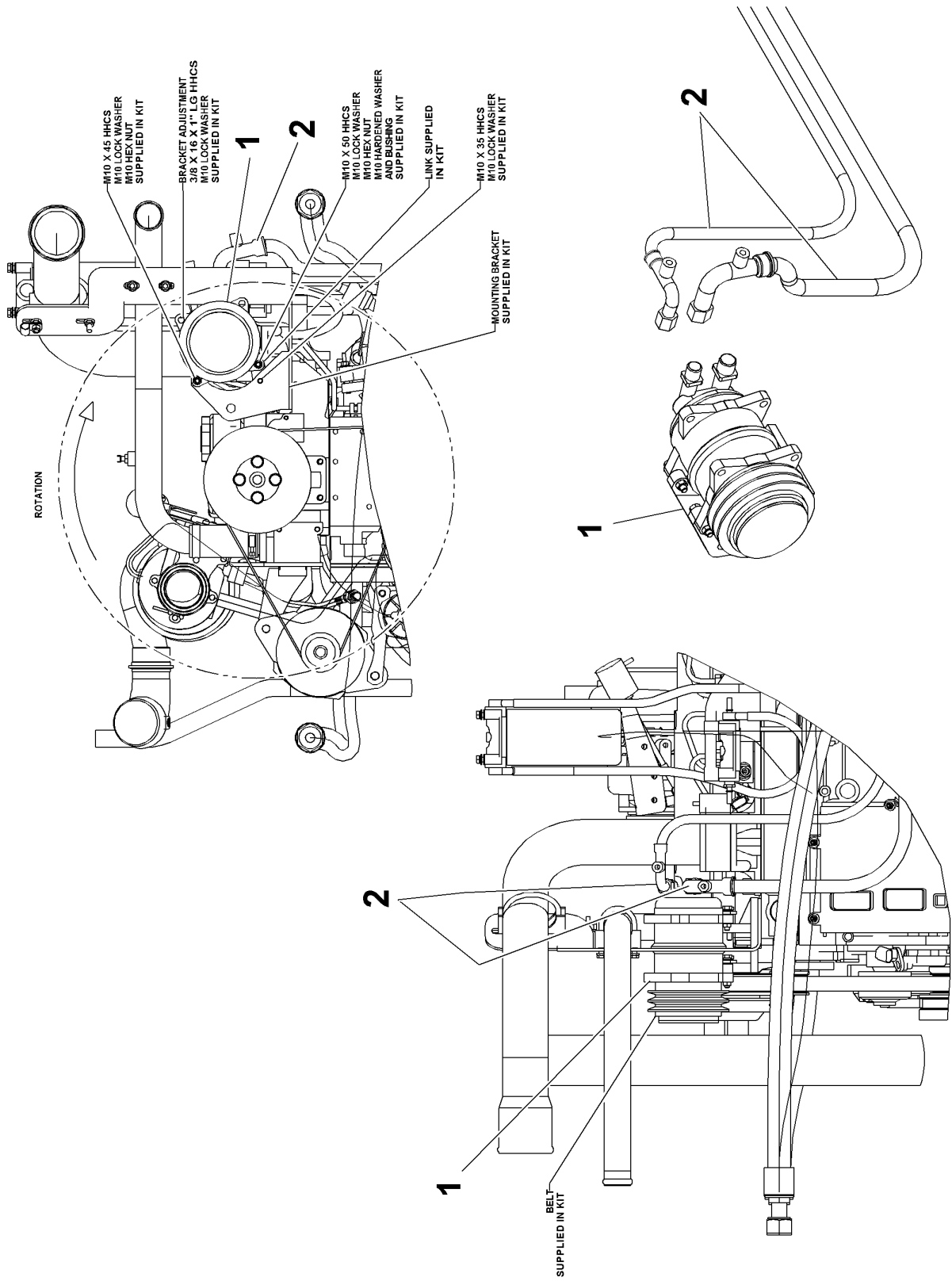
OIL COOLER INSTALLATION - HYDRAULIC

Assembly No.

80013440

Revision: #

Item	FN	Part	Qty	Description
1		80010553	1	HYDRAULIC COOLER
2		4159210194	1	MOUNTING BRACKET
3		4159210195	1	MOUNTING BRACKET
4		4159210193	1	PLATE - SHIELD
5		7951170014	8	WASHER, FLAT #8
6		7951170210	4	WASHER, LOCK 8MM
7		7126171253	4	CAP SCREW, M8X25 HEX HEAD
8		7661170003	4	NUT
9		7951210014	16	WASHER, FLAT #12
10		7951210210	8	LOCK WASHER, 12MM I.D.
11		7126211550	8	CAP SCREW, M12 X 40
12		7661210003	8	NUT, HEX 12MM N.C.
13		7659190033	4	NUT, RETAINING
14		7951190014	4	FLAT WASHER, 10MM I.D.
15		7951190210	4	LOCK WASHER, 10MM
16		7126191353	4	CAP SCREW, M10 X 30MM HEX HEAD



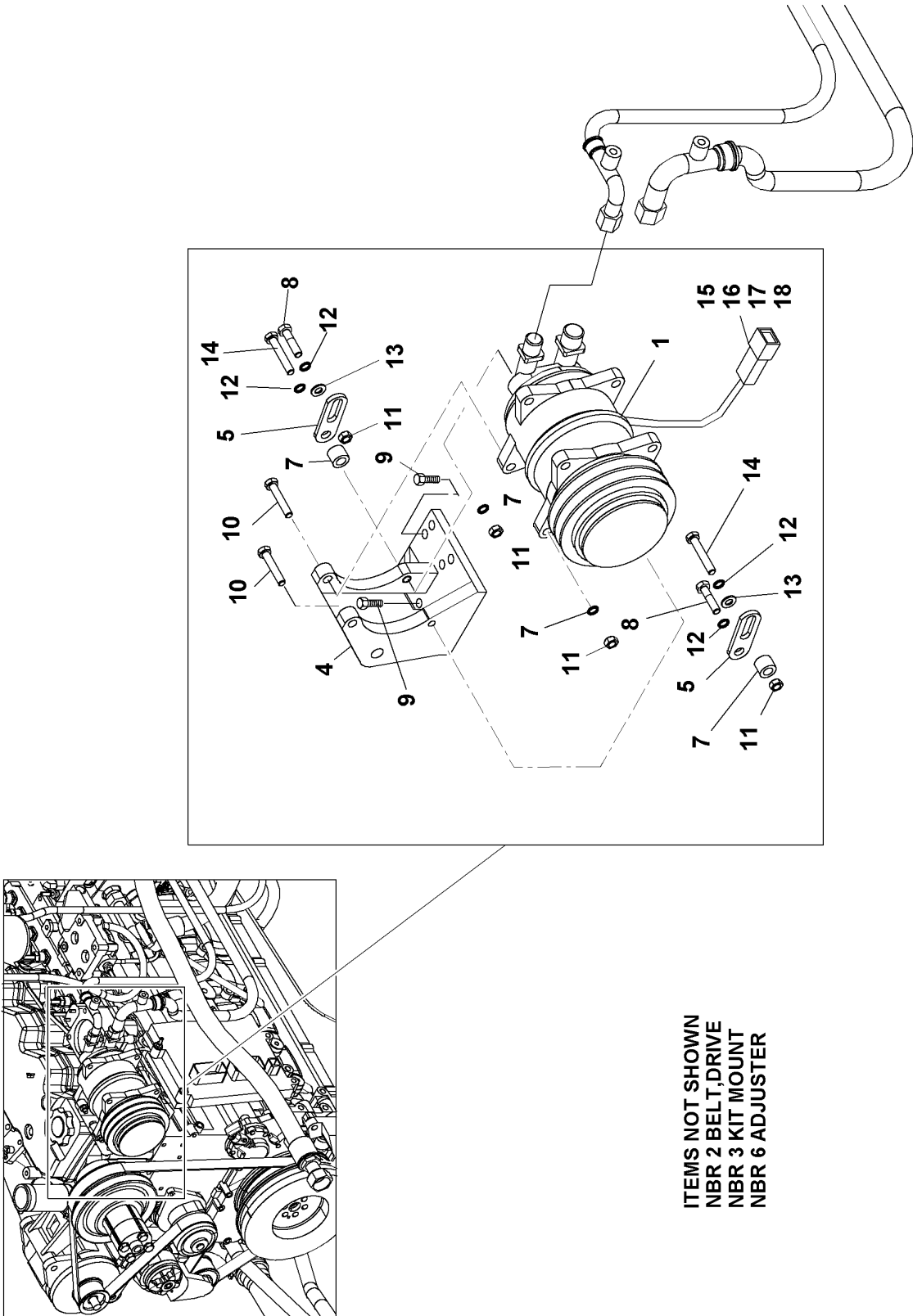
Manitowoc Cranes

Description	Assembly No.
COMPRESSOR INSTALLATION- AIR CONDITIONER	2159810172
	Revision: A

Item	FN	Part	Qty	Description
1	+	7576134474	1	KIT - CUMMINS AIR CONDITIONER COMPRESSOR 12 VOLT (COMPLETE ASSEMBLY)
2	+	7576134451	1	KIT - CARRIER A/C HOSE
3		7300000404	2	CLAMP, 1" TUBING

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

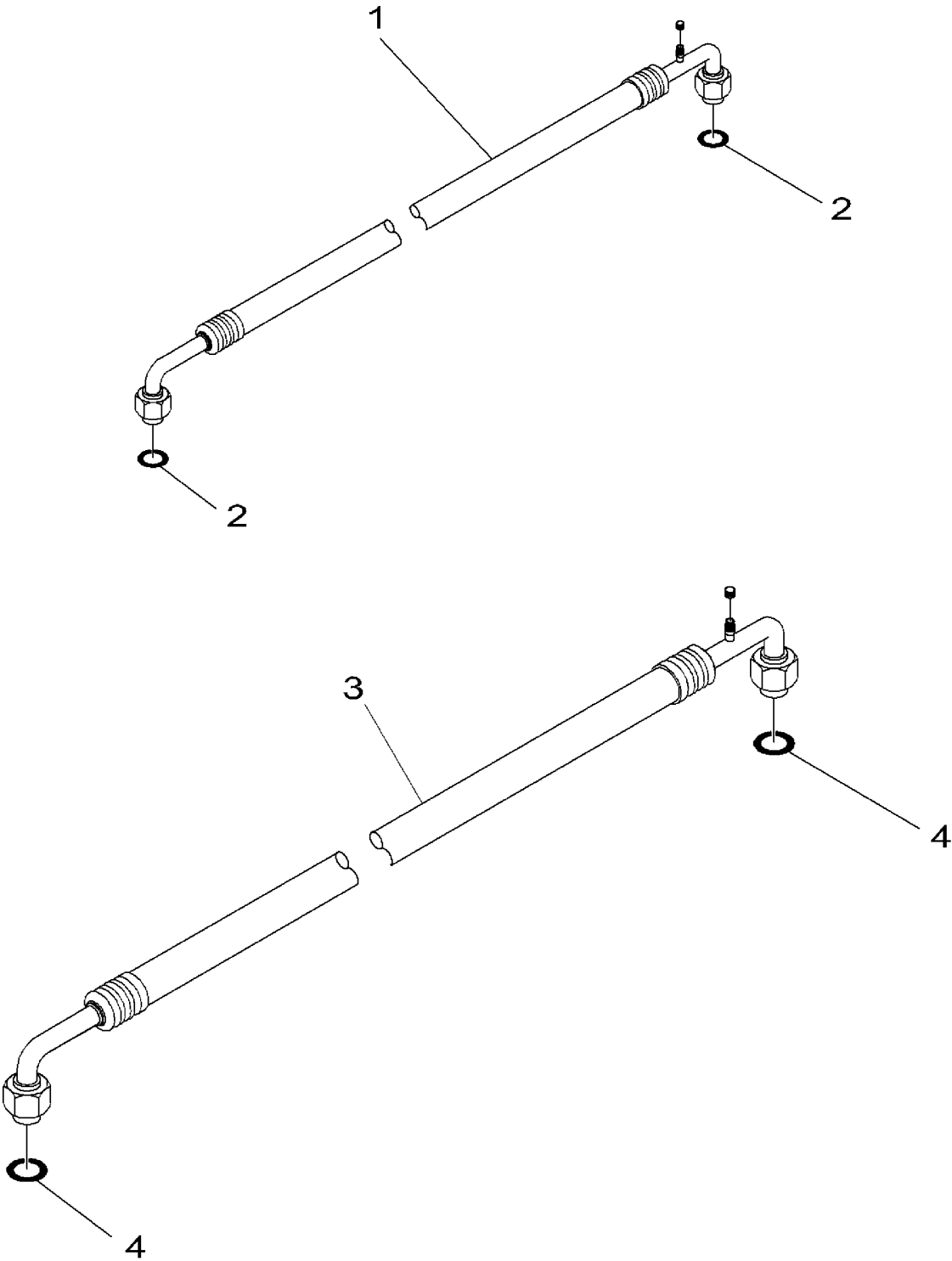
**KIT - CUMMINS AIR CONDITIONER COMPRESSOR 12 VOLT
(COMPLETE ASSEMBLY)**

Assembly No.

7576134474

Revision:

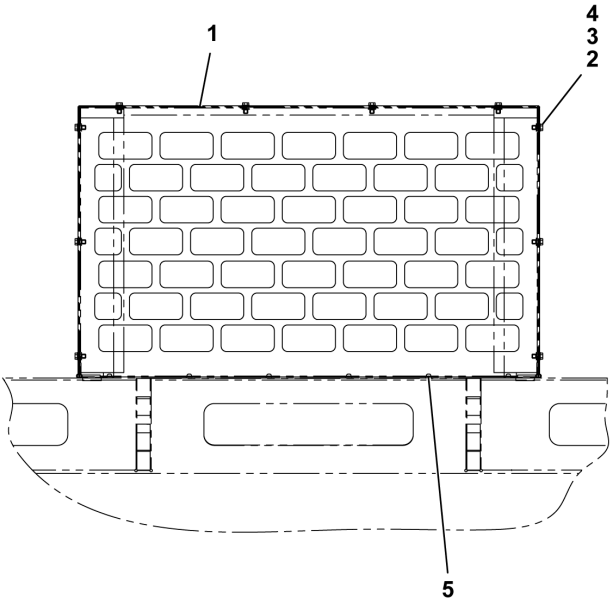
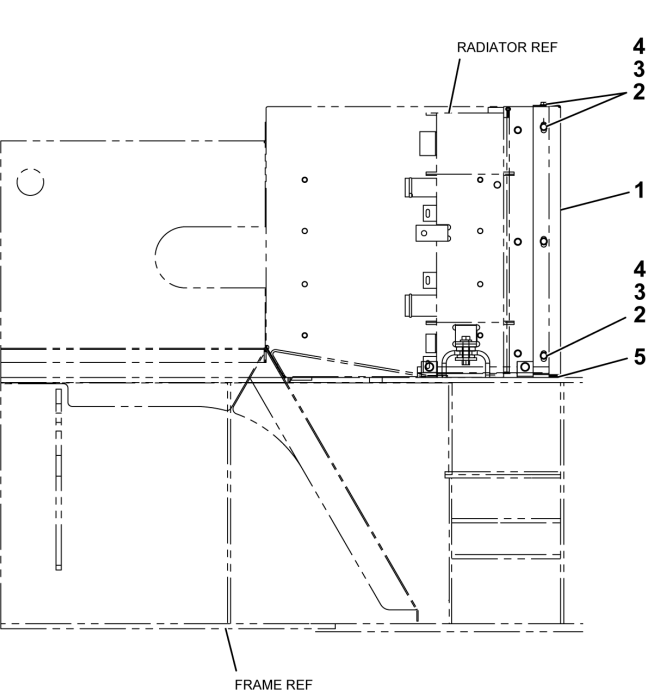
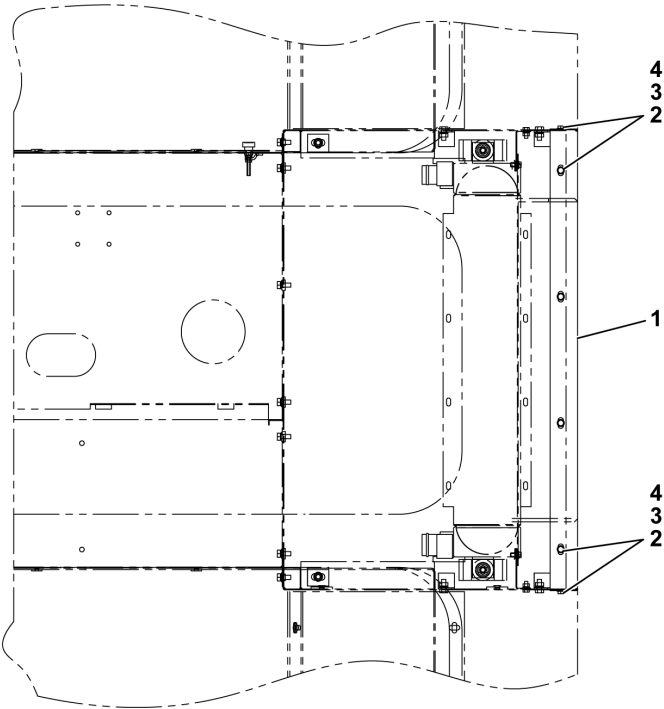
Item	FN	Part	Qty	Description
1		9576101205	1	COMPRESSOR ASSY. 12V. INCLUDES THE FOLLOWING PARTS
		9515102889	1	CLUTCH ASSY. 12V./PULLEY& COIL
		9515102890	1	COIL 12V.
2		9576101424	1	BELT, DRIVE
3		9576101420	1	KIT, COMPRESSOR MOUNT INCLUDES ITEM 2, AND 4 THRU 13
4		9576101407	1	MOUNT, COMPRESSOR
5		9576101421	2	ARM, ADJUSTING
6		9576101422	1	ADJUSTER
7		9576101423	2	SPACER
8		7118160850	1	CAP SCREW, 3/8" - 16 N.C. X 1" GRADE 8
9		7126191450	5	CAP SCREW, M10 X 35MM HEX HEAD
10		7126191650	4	HHCS M10x45 -8.8 ISO 4014
11		7661190003	4	NUT, HEX 10MM
12		9515102320	10	LOCK WASHER, 10MM I.D.
13		7951190014	2	FLAT WASHER, 10MM I.D.
14		7126191750	2	CAP SCREW, M10 X 50MM HEX HEAD
15		7892000836	1	RECEPTACLE, 2 PIN
16		7689000704	2	PIN, 16 - 14 GA
17		7172000546	1	BOOT
18		7689000503	1	PLUG, SEALING 16 - 12 AWG



Manitowoc Cranes

Description				Assembly No.
KIT - CARRIER A/C HOSE				7576134451
				Revision:
Item	FN	Part	Qty	Description
1		9576101202	1	HOSE ASSY. #8
2		9515102844	2	O-RING #8
3		9576101203	1	HOSE ASSY. #10
4		9576101194	2	O-RING #10

Manitowoc Cranes



Manitowoc Cranes

Description

GRILL INSTALLATION - ENGINE HOOD

Assembly No.

2159810143

Revision: #

Item	FN	Part	Qty	Description
1		4159810068	1	GRILL, ENGINE HOOD
2		7126171150	10	CAP SCREW, M8 X 20MM HEX HEAD
3		7951170014	10	WASHER, FLAT #8
4		7659190020	10	NUT, RETAINING 8 X 1.25
5		7195000032	6	BUMPER, RUBBER

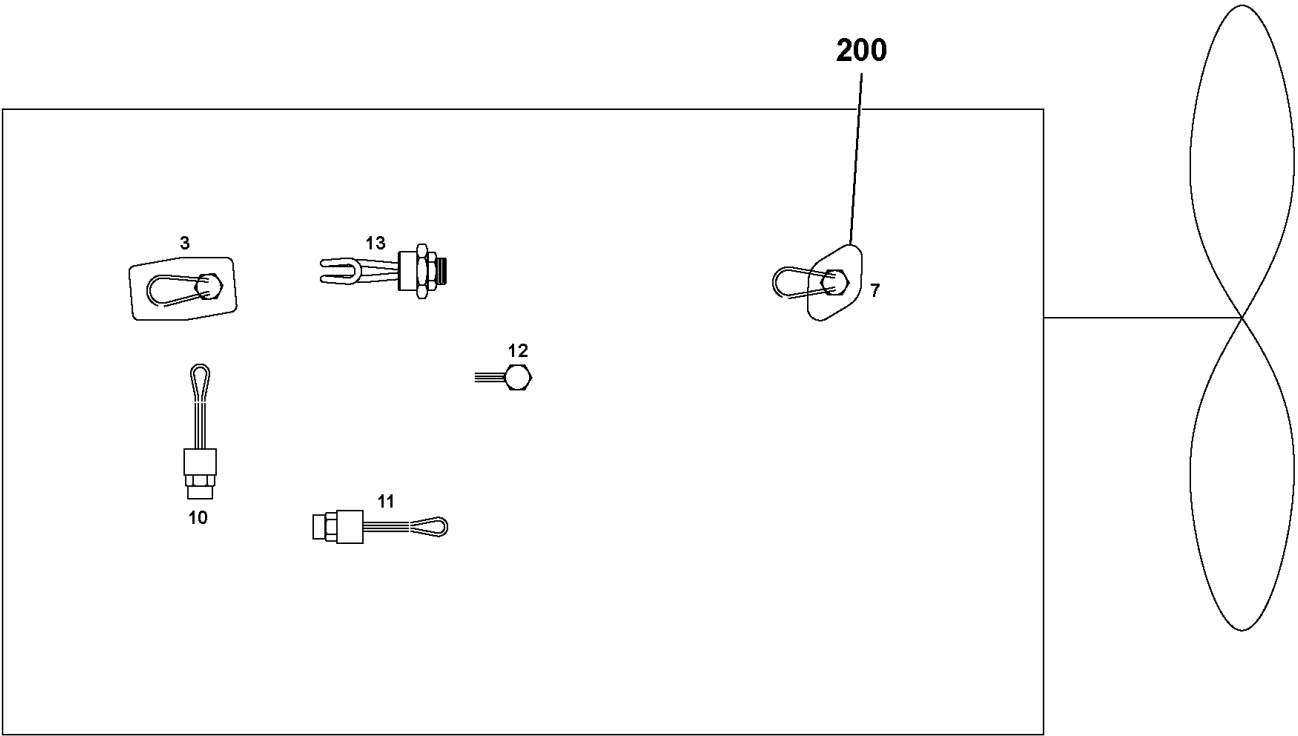


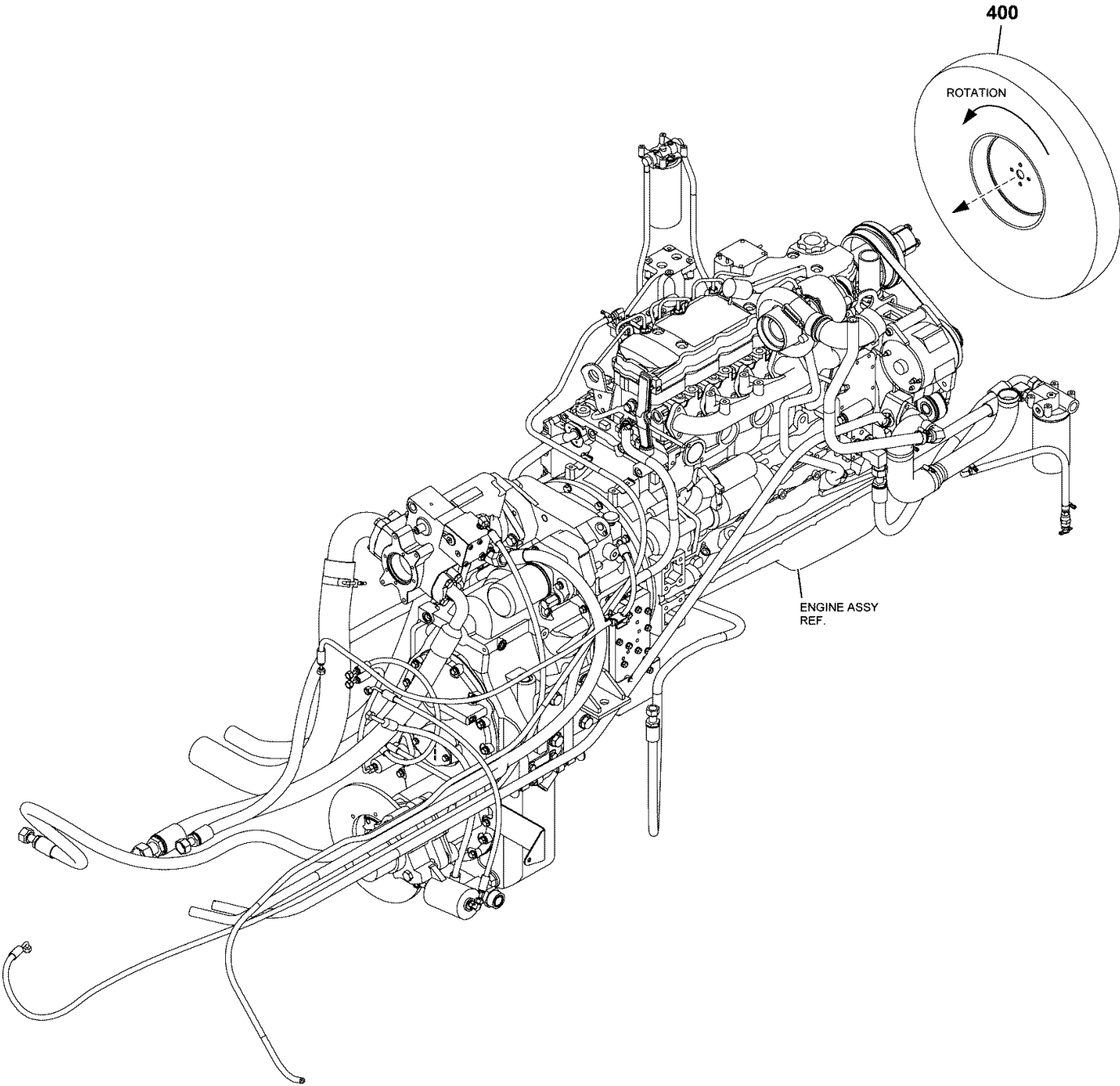
FIGURE 1
R.H. SIDE
SHOWN FOR CLARITY

Manitowoc Cranes

Description BLOCK HEATER ASSEMBLY - 120V				Assembly No. 80001526 Revision: #
Item	FN	Part	Qty	Description
200	#	7515000877	1	HEATER, 750W 120V ENGINE BLOCK

SERVICED AS AN ASSEMBLY ONLY

Manitowoc Cranes



Manitowoc Cranes

Description

FAN INSTALLATION - NON CE

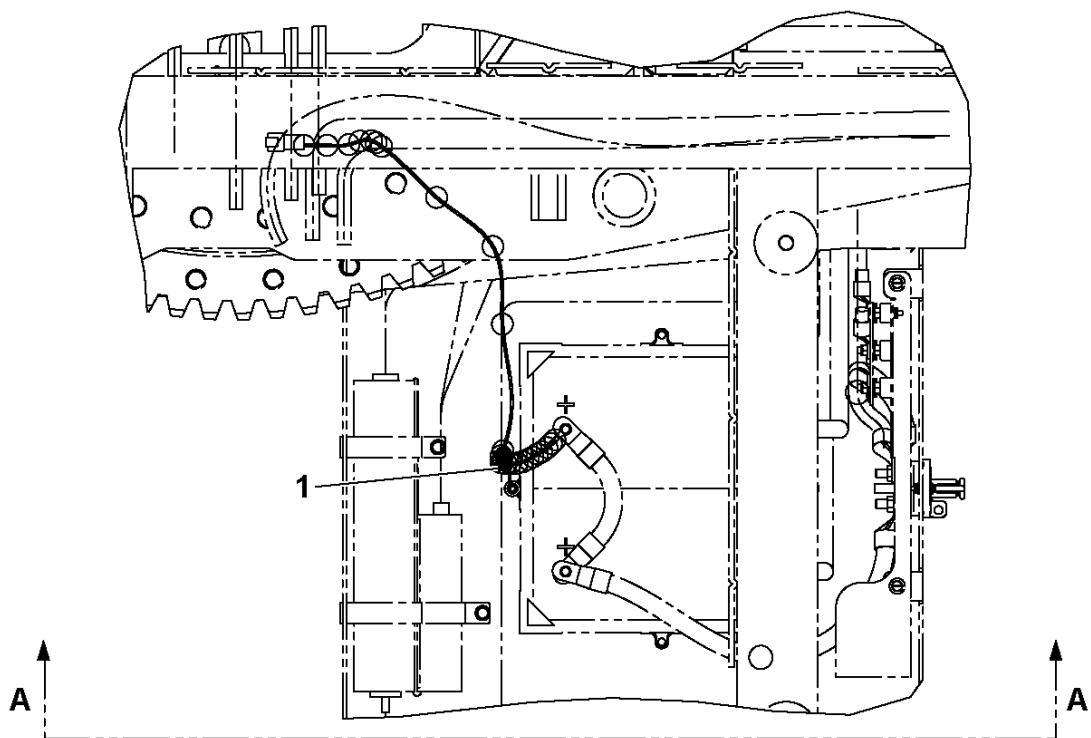
Assembly No.

80004881

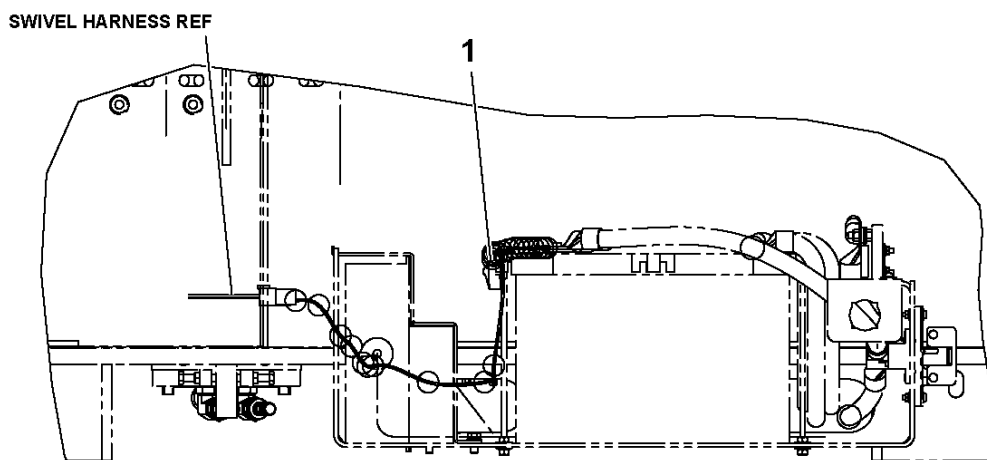
Revision: #

Item	FN	Part	Qty	Description
400		7425100007	1	FAN, 9 BLADE CLOCK WISE SUCKER

Manitowoc Cranes



TOP VIEW OF BATTERY COMPARTMENT
CAB REMOVED FOR CLARITY



VIEW A-A

ITEM NOT SHOWN NBR. 2

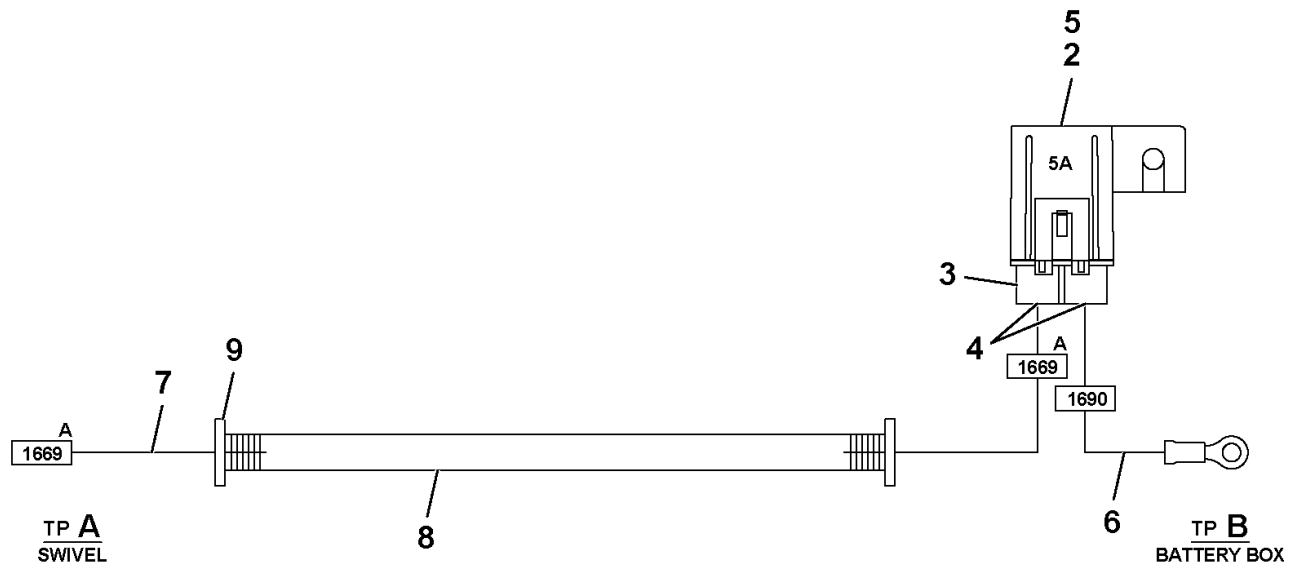
Manitowoc Cranes

Description				Assembly No.
CARRIER CRANESTAR INSTALLATION				80016355
				Revision: #
Item	FN	Part	Qty	Description
1	+	80016125	1	HARNESS ASSEMBLY-CARRIER
2		7850000208	15	CABLE TIE, BLACK

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

WIRE NO	COLOR	SAE SIZE	LENGTH INCHES	TP	B/M ITEM #	REMARKS	TP	B/M ITEM NO	REMARKS
1669A	WHITE	16	55	A	7	———	B	STRIP	NOTE 1
1690A	WHITE	16	8	B	6	———	B	STRIP	NOTE 1



Manitowoc Cranes

Description HARNESS ASSEMBLY-CARRIER				Assembly No. 80016125 Revision: #
Item	FN	Part	Qty	Description
2		7892100030	1	CONNECTOR, COVER/SINGLE
3		7892100028	1	CONNECTOR, 2 - PASS GREEN SEAL
4		7892100034	2	TERMINAL, FEMALE
5		7482000035	1	FUSE, 5 AMP
6		7345241701	1	TONGUE, INSULATED RING
7		7689001782	1	PIN, 18 - 16 GAGE
8		8594000019	4	FLEXGUARD, 1/4" I.D. (QUANTITY IN FEET)
9		7850000208	10	CABLE TIE, BLACK

Manitowoc Cranes

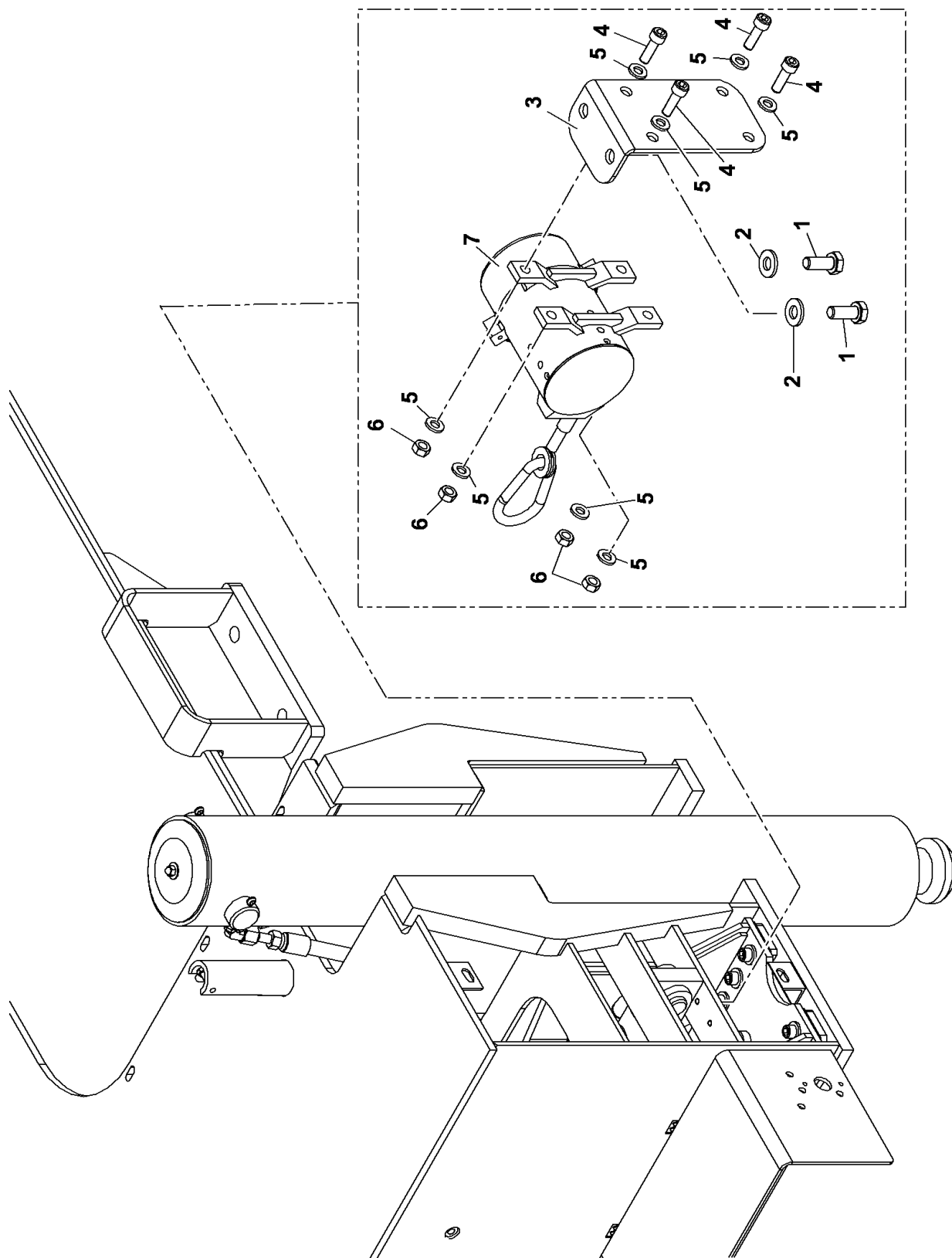
Notes

Manitowoc Cranes

Description				Assembly No.
RT500 SERIES OMS INSTALLATION				80039248
				Revision: B
Item	FN	Part	Qty	Description
1	+	80038231	4	STRING POT INSTALLATION
2	+	80039285	1	OMS MODULE INSTALLATION-RT SERIES

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

STRING POT INSTALLATION

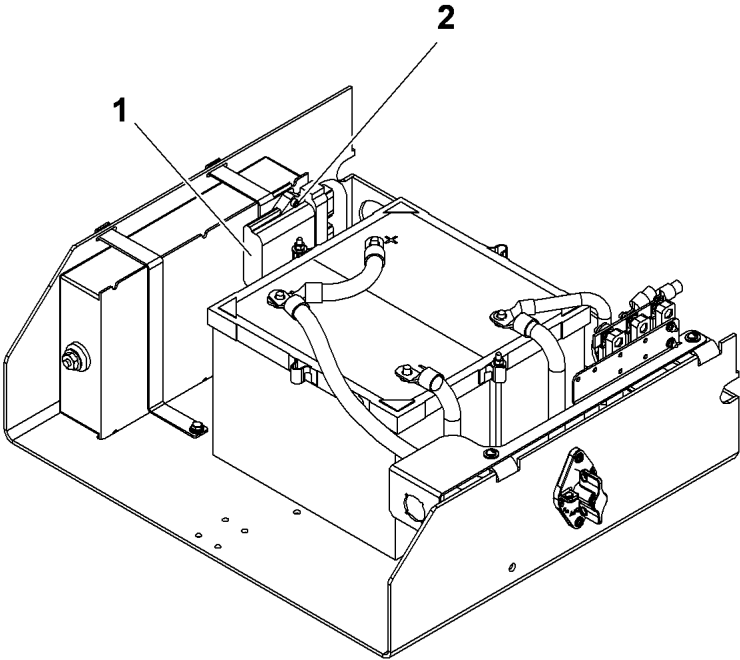
Assembly No.

80038231

Revision: **A**

Item	FN	Part	Qty	Description
1		7126171153	2	CAP SCREW, M8 X 20MM HEX HEAD
2		7950150141	2	WASHER, FLAT 5/16"
3		80035056	1	STRING POTENTIOMETER MOUNT
4		7126151154	4	SHCS M6x20 -8.8 ISO 4762
5		7951150014	8	WASHER, 6MM I.D.
6	#	7661150003	4	NUT, HEX
7		80033282	1	STRING POTENTIOMETER, 110"

SERVICED AS AN ASSEMBLY ONLY



Manitowoc Cranes

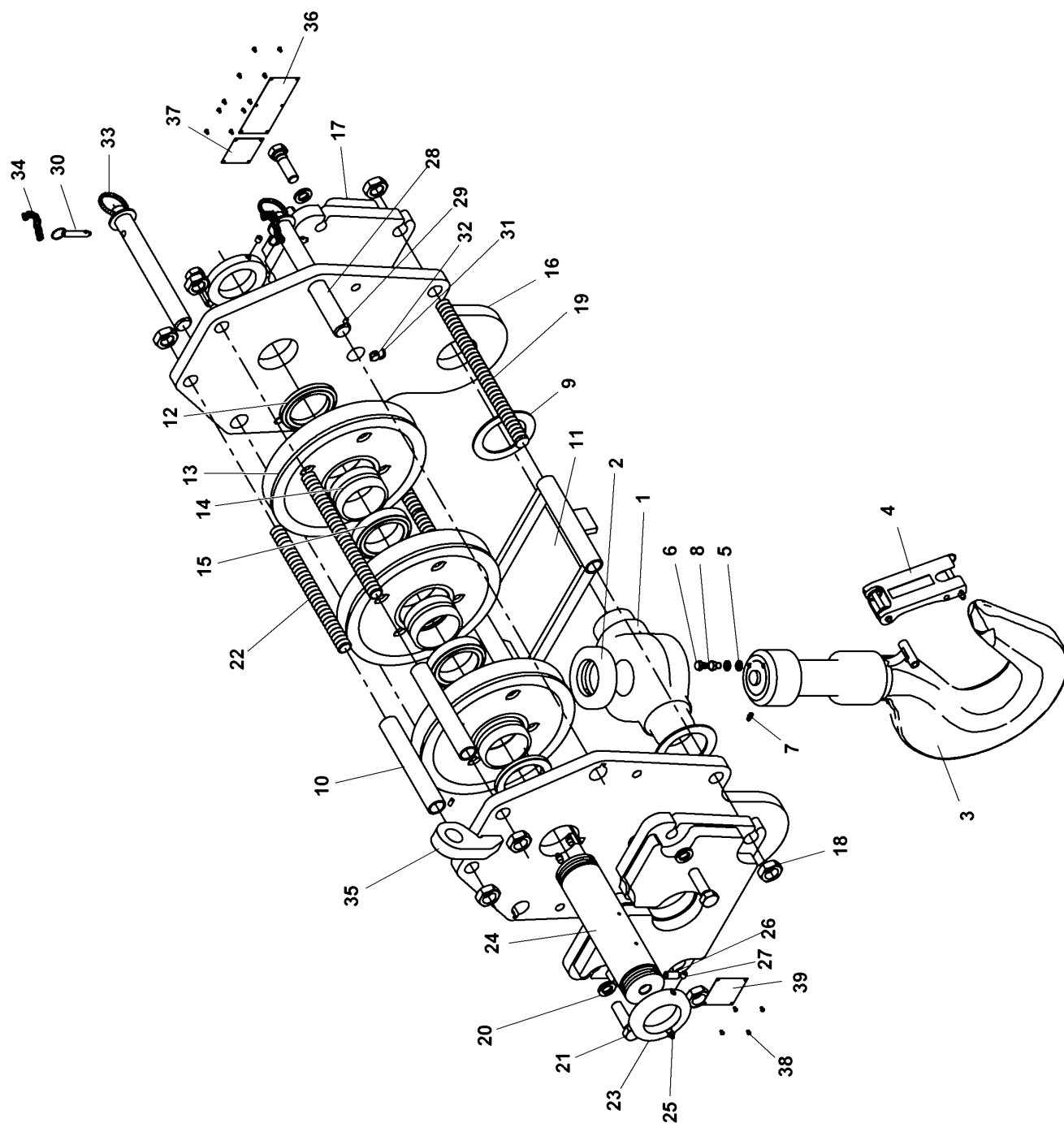
Description

Oms Module Installation-RT Series

Assembly No.
80039285
Revision: A

Item	FN	Part	Qty	Description
1		80026299	1	CONTROL MODULE-MASTER I/O
2		7126151154	2	SHCS M6x20 -8.8 ISO 4762

Manitowoc Cranes



Manitowoc Cranes

Description

**HOOK BLOCK ASSEMBLY - 40 TON 3 SHEAVE
(COMPLETE ASSEMBLY)**

Assembly No.

7086100148

Revision:

Item	FN	Part	Qty	Description
1		9086100539	1	HOUSING, HOOK PIVOT
2		9086100088	1	BEARING
3		9086100495	1	HOOK & NUT
4		9086100788	1	KIT,LATCH
5		9086100804	2	WASHER,
6		9086100805	2	SCREW,
7		7440030000	1	FITTING, STRAIGHT GREASE 1/4" N.P.T.
8		9086100933	1	WIRE, SAFETY
9		9086100538	2	SPACER
10		9086101024	2	SPACER
11		9086101338	1	GUIDE ASSY.
12		9086101339	2	WASHER, THRUST
13		9086101320	3	WHEEL, SHEAVE
14		9086100062	3	BEARING, ROLLER
15		9086101340	2	WASHER, THRUST
16		9086101341	1	PLATE, SIDE SET
17		9086101342	2	PLATE, SIDE WT.
18		9086100061	8	NUT
19		9086101343	2	BOLT, TIE
20		9086100705	4	WASHER, LOCK
21		9086100974	4	CAP SCREW,
22		9086100534	2	BOLT, TIE
23		9086100074	2	NUT
24		9086100533	1	PIN, CENTER
25		9086100151	3	FITTING
26		9086100269	1	PIN, ROLL
27		7785160801	2	SET SCREW 3/8" - 16 N.C. X 1/2"
28		9086101026	3	PIN
29		9086100204	3	PIN, ROLL
30		9086100584	3	PIN, QUICK RELEASE
31		9086100813	1	S-HOOK
32		9086100801	1	CAP SCREW,
33		9086100815	3	RING, SPLIT

Manitowoc Cranes

Description

**HOOK BLOCK ASSEMBLY - 40 TON 3 SHEAVE
(COMPLETE ASSEMBLY)**

Assembly No.

7086100148

Revision:

Item	FN	Part	Qty	Description
34		9086100919	3	CHAIN
35		942481	3	PLATE, DEAD END
36		9086100920	1	CAUTION PLATE
37		9086100137	1	PLATE, CAUTION
38		9086100327	14	DRIVE SCREW
39		9086101217	1	PLATE, NAME / RATING

Manitowoc Cranes

Description

DECAL INSTALLATION RT535E/540E-STANDARD

Assembly No.

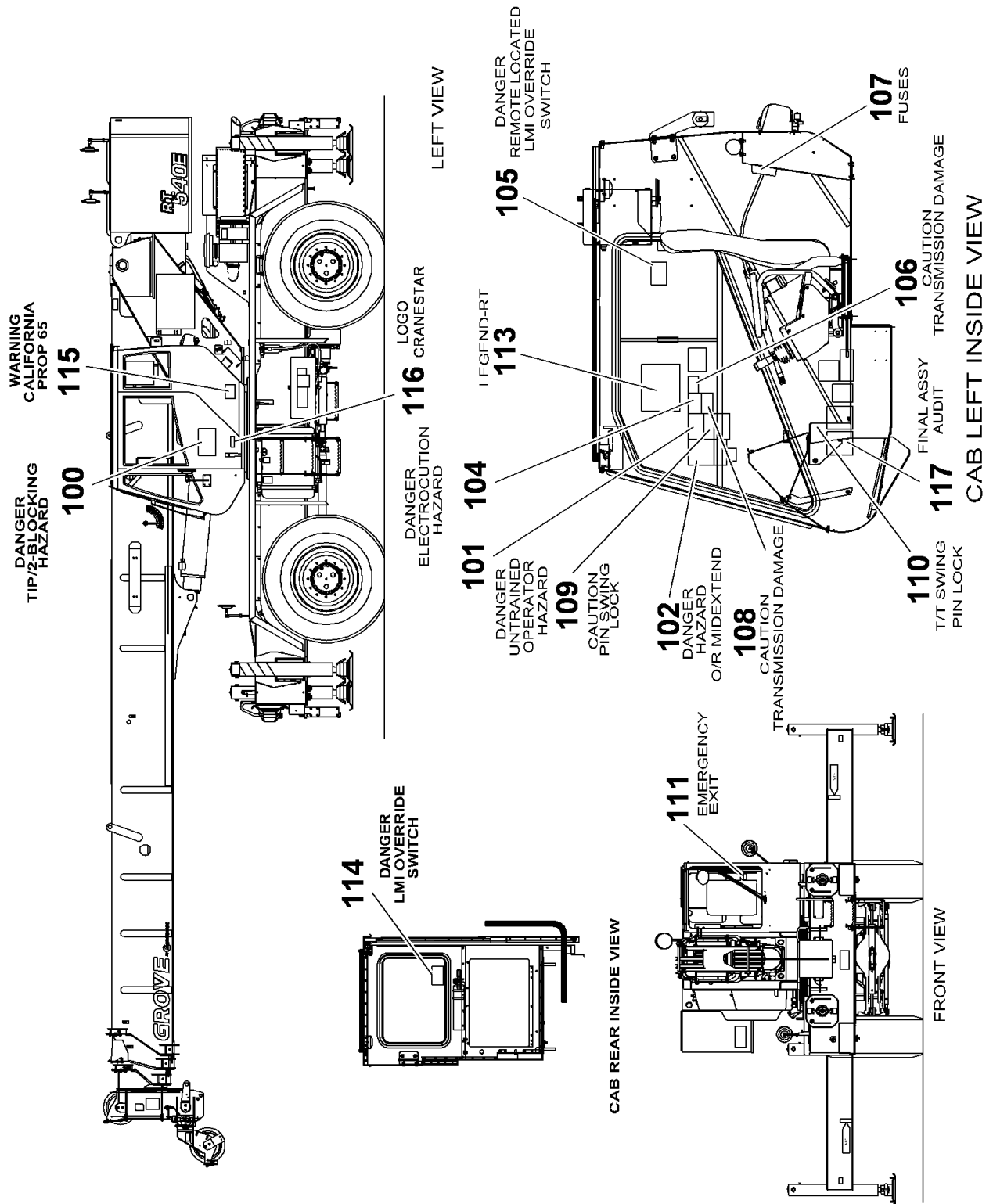
80006891

Revision: **A**

Item	FN	Part	Qty	Description
900	+	80030878	1	DECAL INSTALLATION-RT540E STANDARD CAB
901	+	6376200767	1	DECAL INSTALLATION - RT535E (STANDARD CARRIER)
902	+	6376200776	1	DECAL INSTALLATION - RT535E (STANDARD SUPERSTRUCTURE)
903	+	6376200785	1	DECAL INSTALLATION - RT535E (STANDARD BOOM)

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION-RT540E STANDARD CAB

Assembly No.

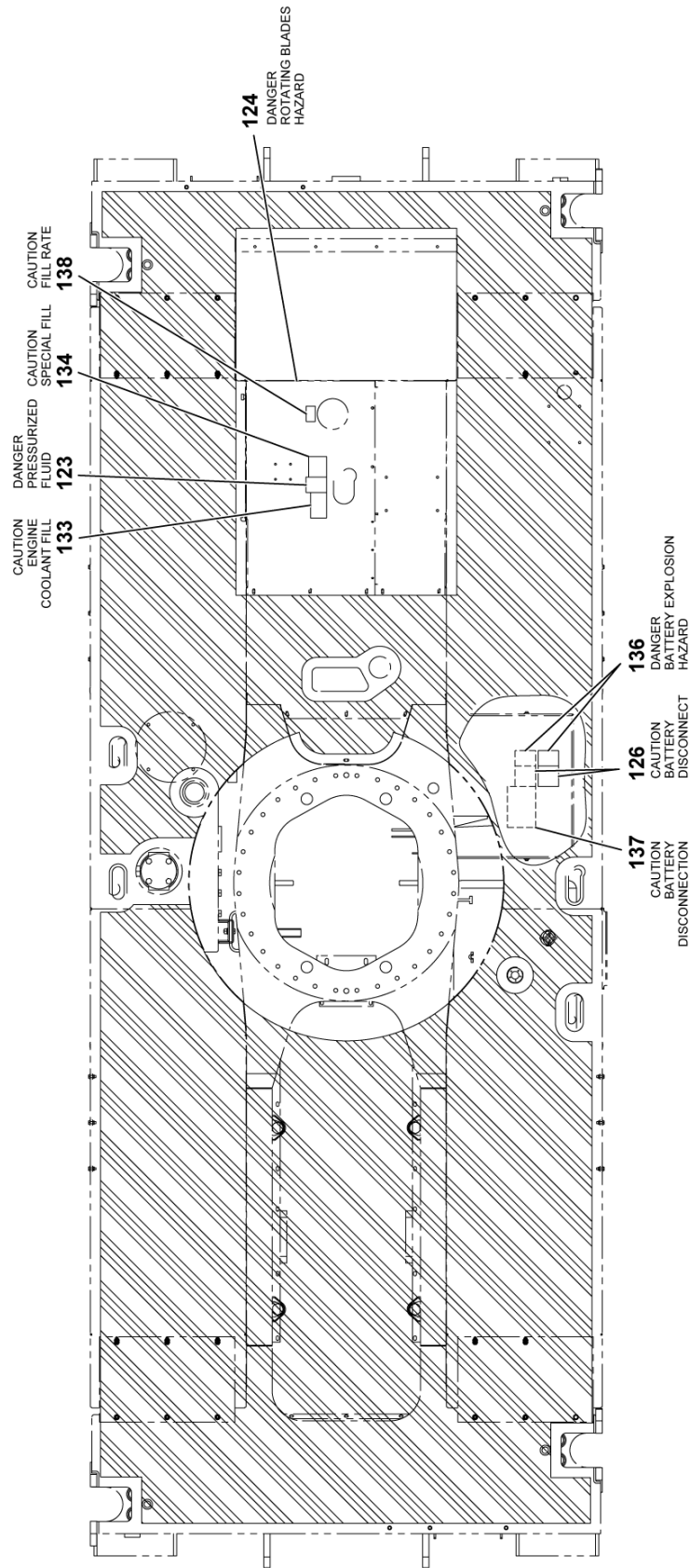
80030878

Revision: #

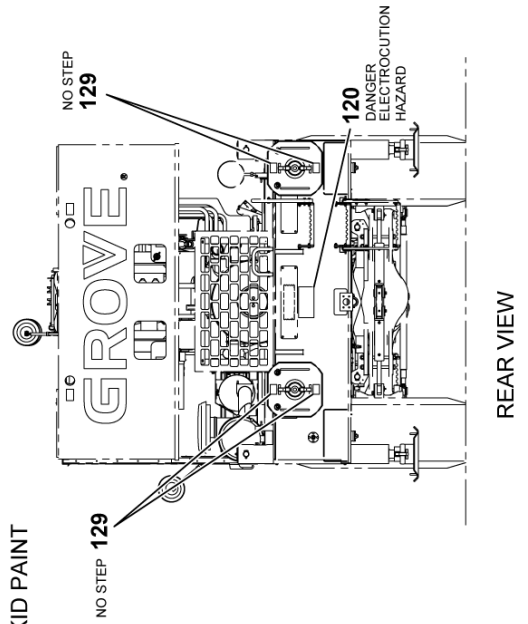
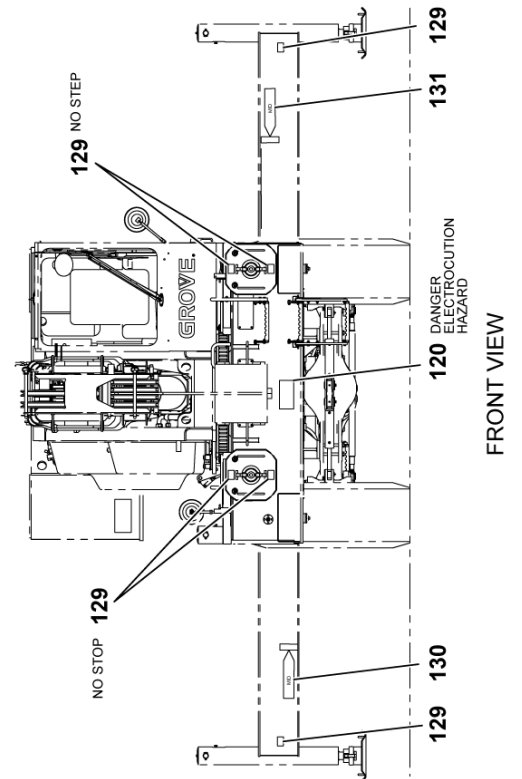
Item	FN	Part	Qty	Description
100		7376100175	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (ENGLISH)
101		7376007255	1	DECAL - DANGER UNTRAINED OPERATOR (ENGLISH)
102		7376007441	1	DECAL - DANGER OUTRIGGER MID EXTENSION (ENGLISH)
103		7376100080	1	DECAL - DANGER SUPERSTRUCTURE SWING (ENGLISH)
104		7376101865	1	DECAL - DANGER ELECTROCUTION HAZARD (ENGLISH)
105		80005871	1	(ENGLISH)
106		7376102092	1	DECAL - CAUTION TRANSMISSION DAMAGE
107		7376102923	1	DECAL - FUSES (ENGLISH) RT535E
108		7376102417	1	DECAL - CAUTION TRANSMISSION DAMAGE (ENGLISH)
109		7376011340	1	DECAL - CAUTION PIN SWING LOCK (ENGLISH)
110		7376101825	1	DECAL - PIN SWING LOCK
111		7376009502	1	DECAL - EMERGENCY EXIT (ENGLISH)
113		7376102925	1	DECAL - SYMBOLIC ID (ENGLISH)
114		80007945	1	DECAL-DANGER LMI OVERRIDE KEY (ENGLISH)
115		81007557	1	DECAL - WARNING CALIFORNIA PROP 65
116		80017200	1	DECAL - CRANESTAR LOGO
117		80000339	1	DECAL - GROVE FINAL ASSEMBLY AUDIT (ENGLISH)

Manitowoc Cranes

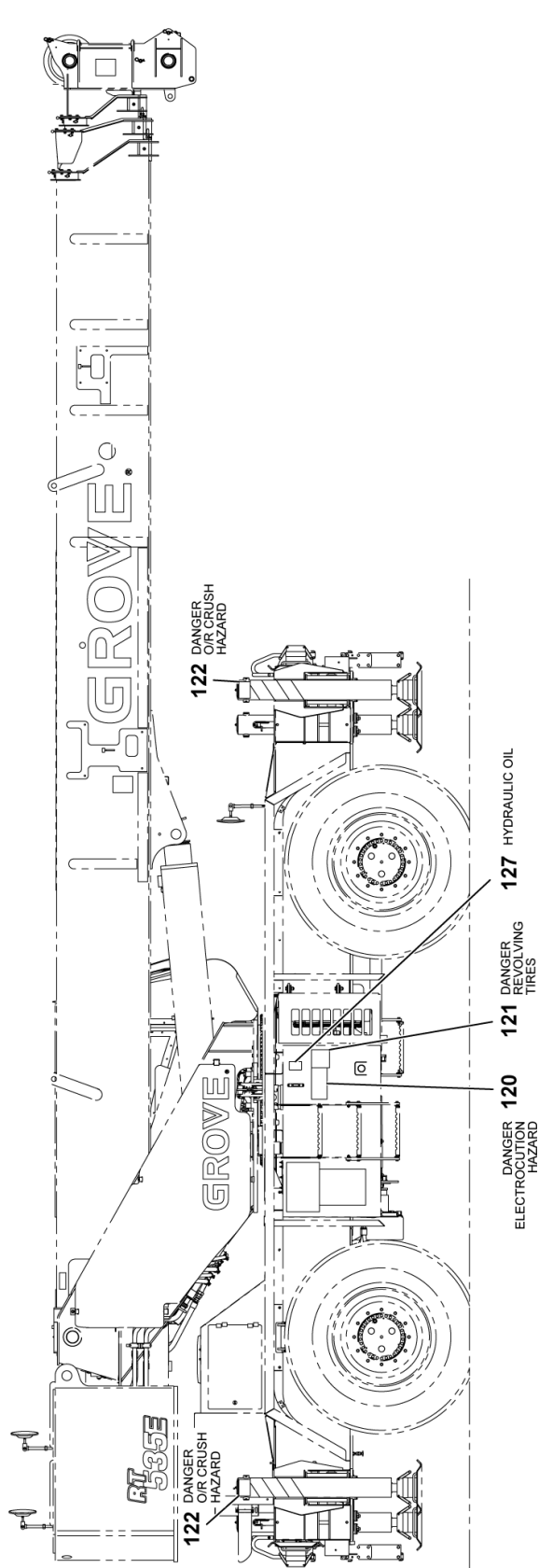
Notes



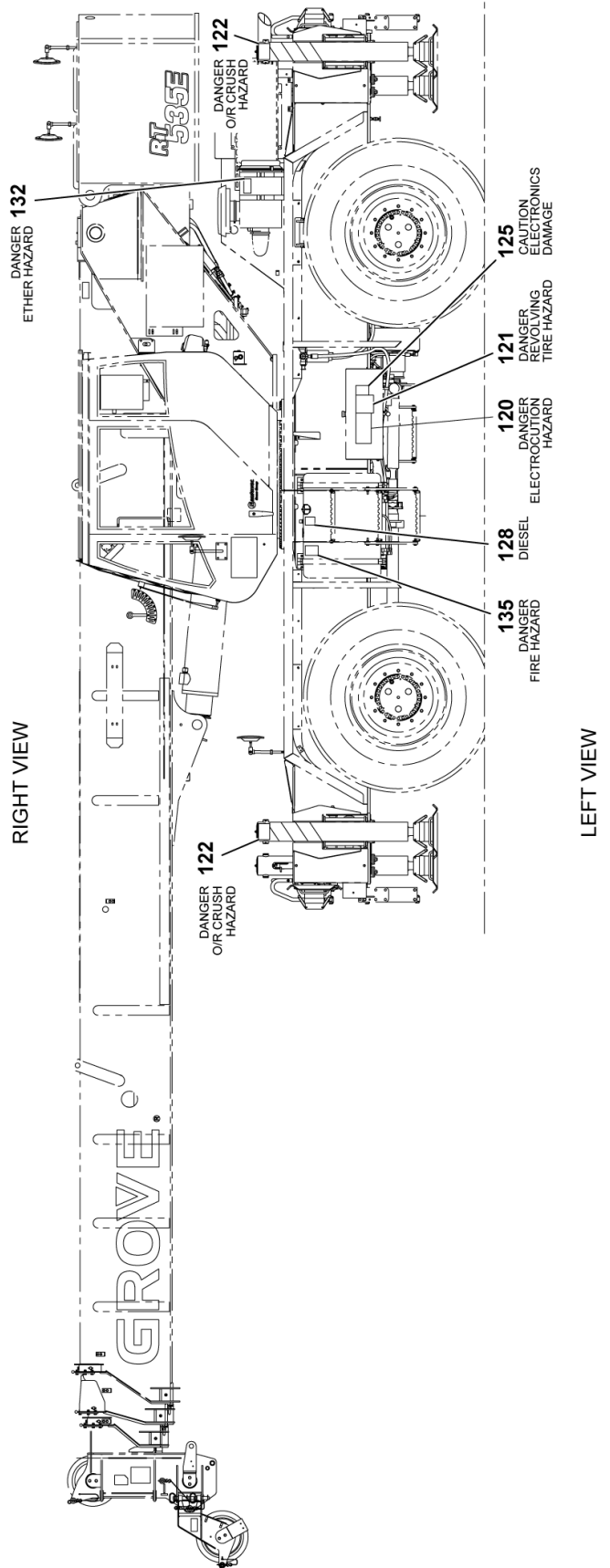
TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



RIGHT VIEW



LEFT VIEW

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535E (STANDARD CARRIER)

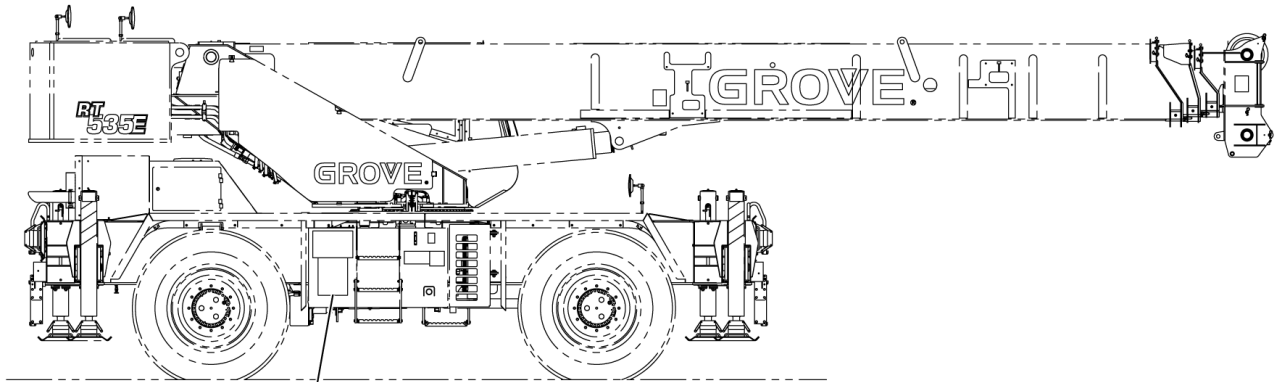
Assembly No.

6376200767

Revision: **A**

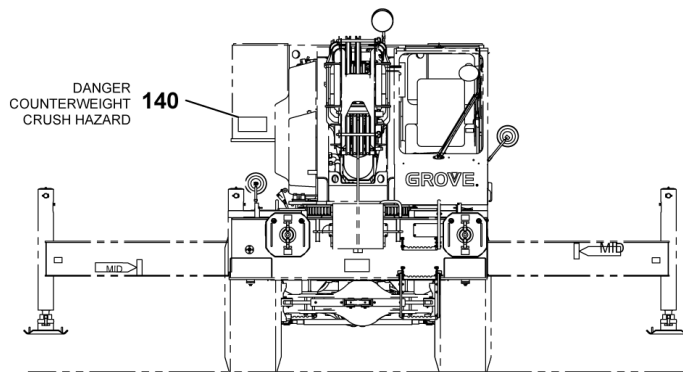
Item	FN	Part	Qty	Description
120		7376009555	4	DECAL - DANGER ELECTROCUTION HAZARD (ENGLISH)
121		7376007446	2	DECAL - DANGER REVOLVING TIRES (ENGLISH)
122		7376011087	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (ENGLISH)
123		7376102517	1	DECAL-DANGER PRESSURIZED FLUID
124		7376011364	1	DECAL - FAN DANGER ROTATING BLADES
125		7376102349	1	DECAL - CAUTION ELECTRONICS DAMAGE
126		7376101954	2	DECAL - CAUTION BATTERY DISCONNECT (ENGLISH)
127		7376011335	1	DECAL - HYDRAULIC OIL
128		7376011062	1	DECAL - DIESEL
129		7376010998	16	DECAL - NO STEP
130		7376009372	4	DECAL - MID-EXTEND OUTRIGGERS > (ENGLISH)
131		7376009373	4	DECAL - MID-EXTEND OUTRIGGERS < (ENGLISH)
132		7376101881	1	DECAL - DANGER ETHER HAZARD (ENGLISH)
133		7376102516	1	DECAL - CAUTION ENGINE COOLANT FILL
134		7376102424	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (ENGLISH)
135		7376102532	1	DECAL - DANGER FIRE HAZARD
136		7376102554	2	DECAL - DANGER BATTERY EXPLOSION HAZARD
137		7376102805	1	DECAL - CAUTION BATTERY CONNECTION (ENGLISH)
138		7376102956	1	DECAL - CAUTION MAXIMUM FILL RATE (ENGLISH)

Manitowoc Cranes



HAND SIGNALS 143

RIGHT VIEW

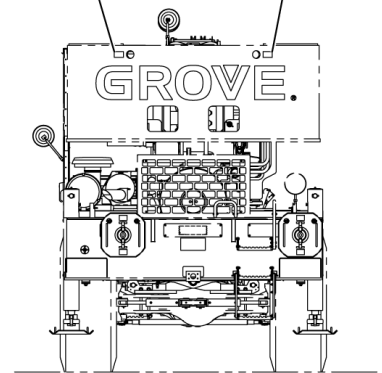


DANGER
COUNTERWEIGHT
CRUSH HAZARD 140

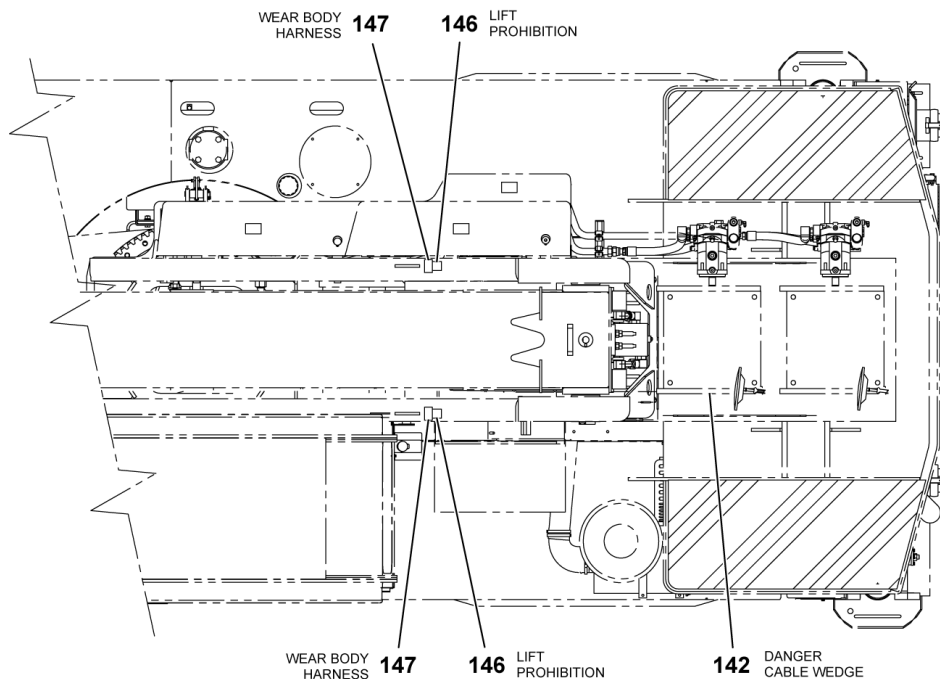
FRONT VIEW

DANGER
CWT LIFT HAZARD 141

141 DANGER
CWT LIFT HAZARD



REAR VIEW



WEAR BODY
HARNESS 147

146 LIFT
PROHIBITION

WEAR BODY
HARNESS 147

146 LIFT
PROHIBITION

142 DANGER
CABLE WEDGE

SUPERSTRUCTURE TOP VIEW

ITEM NOT SHOWN
NBR. 144

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535E (STANDARD SUPERSTRUCTURE)

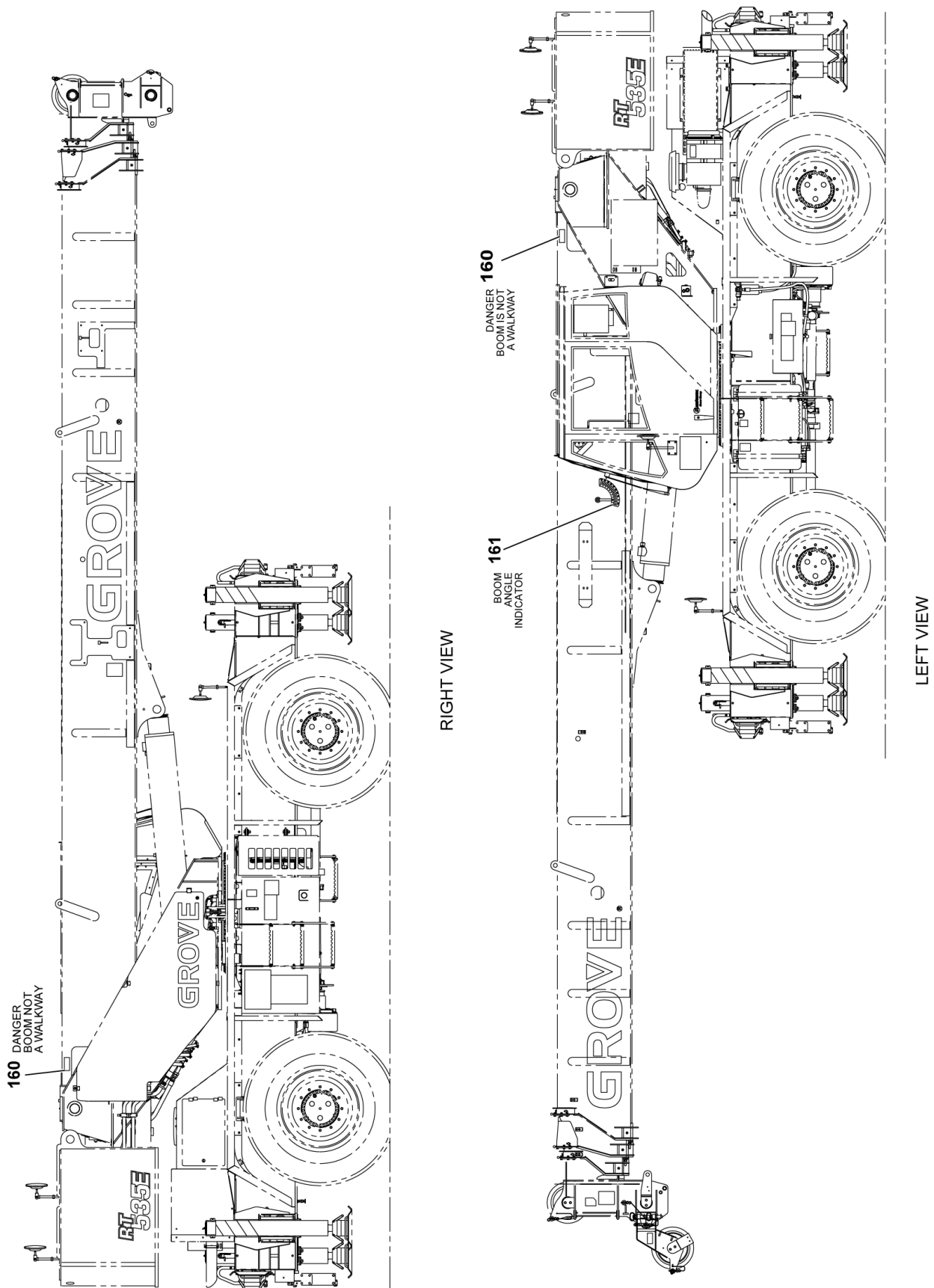
Assembly No.

6376200776

Revision: #

Item	FN	Part	Qty	Description
140		7376007213	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (ENGLISH)
141		7376100089	4	DECAL - DANGER COUNTERWEIGHT LIFT (ENGLISH)
142		7376100079	1	DECAL-DANGER CABLE WEDGE
143		7376101492	1	DECAL - HAND SIGNALS (ENGLISH)
144		7376102552	1	DECAL - DANGER PRESSURIZED OIL LEAK (ENGLISH)
146		7376102910	2	DECAL - LIFT POINT PROHIBITION
147		7376991722	2	DECAL - WEAR BODY HARNESS

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION - RT535E (STANDARD BOOM)

Assembly No.

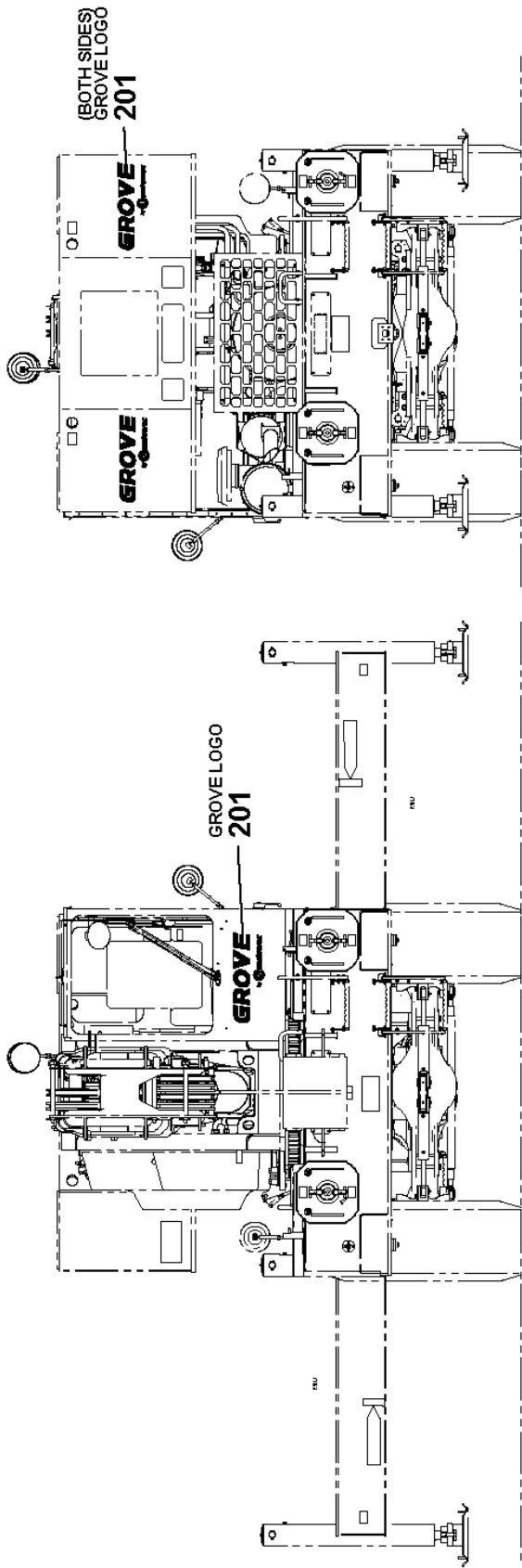
6376200785

Revision: #

Item	FN	Part	Qty	Description
160		7376007250	2	DECAL - DANGER BOOM NOT WALKWAY (ENGLISH)
161		7376001935	1	DECAL - BOOM ANGLE

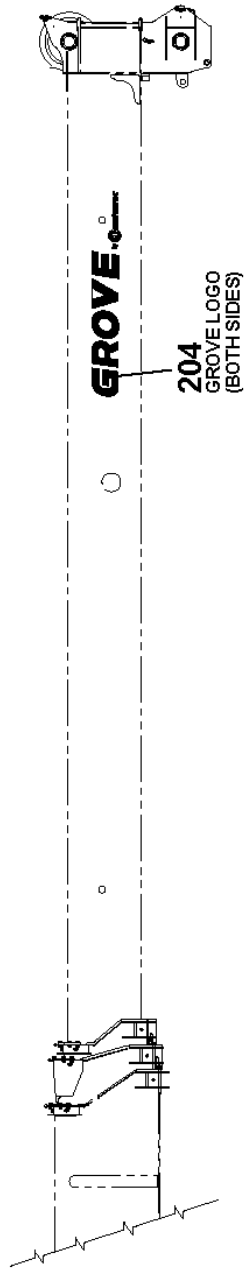
Manitowoc Cranes

Notes



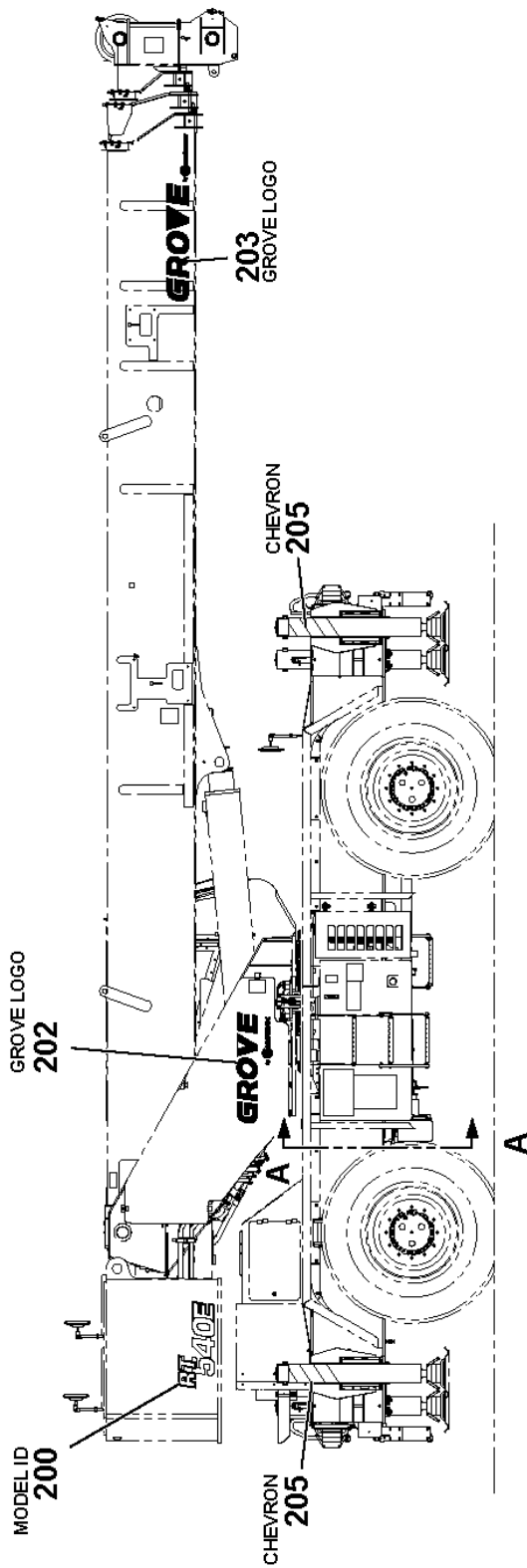
REAR VIEW

FRONT VIEW

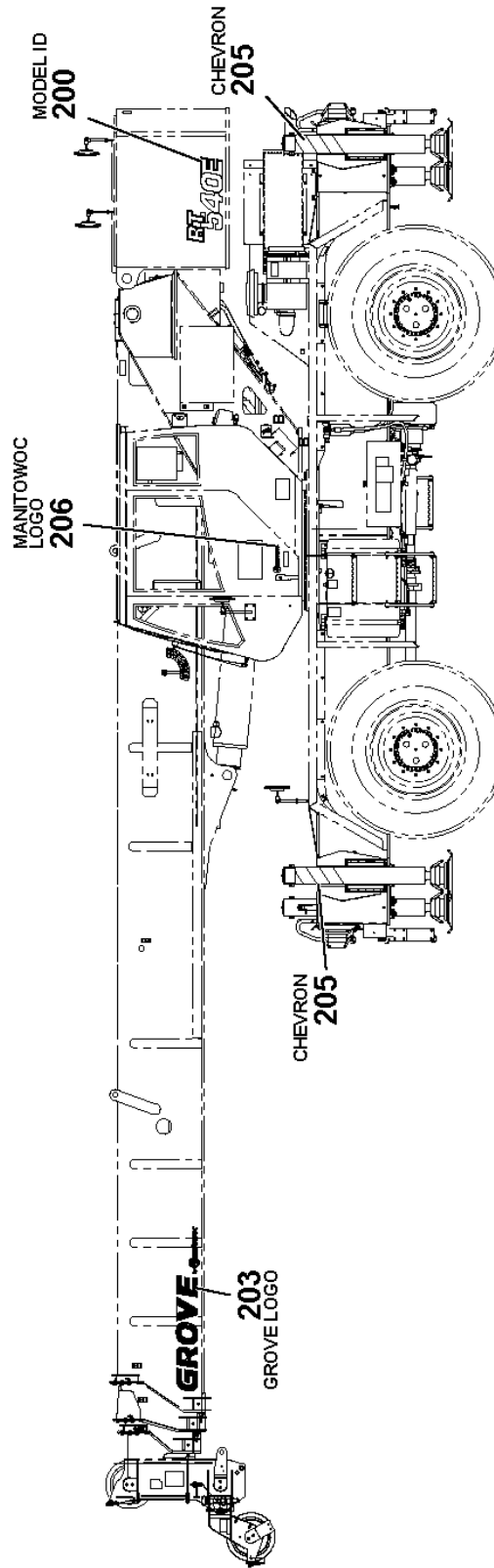


BOOM FLY SECTION RIGHT VIEW

Manitowoc Cranes



RIGHT VIEW



LEFT VIEW

Manitowoc Cranes

Description

DECAL INSTALLATION-RT540E NOMENCLATURE

Assembly No.

80028004

Revision: #

Item	FN	Part	Qty	Description
200		7376102912	2	DECAL - RT540E
201		7376247045	3	DECAL-GROVE-4.5" GRAY
202		7376247065	1	DECAL-GROVE-6.5" GRAY
203		7376246070	2	DECAL-GROVE-7" GRAY
204		7376226070	2	DECAL - GROVE - 7" WHITE
205		7376101141	4	DECAL - CHEVRON OUTRIGGER JACK
206		7376202030	1	DECAL - MANITOWOC CRANE GROUP LOGO 3" GRAY/RED



The drawing or bill of material for this installation was not available when this catalog was created. Please contact Rich Rebok at Richard.rebok@manitowoc.com for Grove products or Galen Burkholder at Galen.burkholder@manitowoc.com for National products to supply us with your serial number and model number along with your mailing information. We will then send you the missing pages either via PDF or a hardcopy to be inserted into your manual.

Regards,
Technical Publications Department
Shady Grove, Pennsylvania
www.cranecare.com

Manitowoc Cranes

Description				Assembly No.
DECAL INSTALL - 6376100600				RT540E DECA001
				Revision: A
Item	FN	Part	Qty	Description
1	+	80006891	1	DECAL INSTALLATION RT535E/540E-STANDARD
2	+	80028004	1	DECAL INSTALLATION-RT540E NOMENCLATURE
10	+	6376100600	1	DECAL INSTALLATION - RT540E

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Notes

Manitowoc Cranes

Description DECAL INSTALLATION - RT540E				Assembly No. 6376100600 Revision: AC
Item	FN	Part	Qty	Description
110	+	80006891	1	DECAL INSTALLATION RT535E/540E-STANDARD
112	+	80030877	1	DECAL INSTALLATION-RT530E/540E FOREIGN STANDARD
203	+	80028004	1	DECAL INSTALLATION-RT540E NOMENCLATURE
301		6884000005	4	STRIPING, REFLECTIVE
412	+	80006903	1	DECAL INSTALLATION - RT535/540E (GERMAN)
413	+	80006904	1	DECAL INSTALLATION - RT535/540E (DANISH)
414	+	80006905	1	DECAL INSTALLATION - RT535/540E (SPANISH)
415	+	80006906	1	DECAL INSTALLATION-RT535/RT540E (FRENCH)
416	+	80006907	1	DECAL INSTALLATION - RT535/540E (ITALIAN)
417	+	80006908	1	DECAL INSTALLATION - RT540E/RT535 (DUTCH)
418	+	80006909	1	DECAL INSTALLATION - RT535/540E (NORWEGIAN)
419	+	80006910	1	DECAL INSTALLATION - RT535/540E (POLISH)
420		80006911	1	DECAL INSTALLATION - RT535/540E (PORTUGUESE - CONTINENTAL)
421	+	80006912	1	DECAL INSTALLATION - RT535/540E (PORTUGUESE - BRAZILIAN)
422	+	80006913	1	DECAL INSTALLATION - RT540E (RUSSIAN)
501		7679100089	1	PANEL - NAME PLEATE - CRANE (USE WITHOUT CE CONFORMITY)
502		7679100090	1	PANEL - NAMEPLATE CRANE (USE WITH CE CONFORMITY)
602	+	80028169	1	DECAL-PATENT-CRANE
801		7376102601	1	DECAL - SWING & TELE DUAL (USE WITHOUT AUXILIARY HOIST)
802		7376102603	1	DECAL - SWING & AUX HOIST DUAL (USE WITH AUXILIARY HOIST)
903		80019489	1	DECAL-TELE PEDAL
904		80019493	1	DECAL-TELE PEDAL-(GERMAN)
905		80019490	1	DECAL-TELE PEDAL-(DANISH)

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes

Description DECAL INSTALLATION - RT540E				Assembly No. 6376100600 Revision: AC
Item	FN	Part	Qty	Description
906		80019491	1	DECAL-TELE PEDAL-ES
907		80019492	1	DECAL-TELE PEDAL-(FRENCH)
908		80019494	1	DECAL-TELE PEDAL-(ITALIAN)
909		80019495	1	DECAL-TELE PEDAL-(DUTCH)
910		80019496	1	DECAL-TELE PEDAL-(NORWEGIAN)
911		80019497	1	DECAL-TELE PEDAL-(POLISH)
912		80019498	1	DECAL-TELE PEDAL
913		80019499	1	DECAL-TELE PEDAL
914		80019500	1	DECAL-TELE PEDAL-RU
1001		7376100079	1	DECAL-DANGER CABLE WEDGE (USE WITH AUXILIARY HOIST AND ENGLISH LANGUAGE UNITS)
1101		7376011341	1	DECAL - CAUTION 360 DEGREE SWING LOCK (USE WITH 360 DEGREE SWING LOCK AND ENGLISH LANGUAGE UNITS)
1102		7376101836	1	DECAL - CAUTION 360 DEGREE SWING LOCK (SYMBOLIC) (USE WITH 360 DEGREE SWING LOCK AND NON-ENGLISH LANGUAGE UNITS)
1301		7376007378	2	DECAL - DANGER AUXILIARY BOOM NOSE (ENGLISH) (USE WITH AUXILIARY BOOM NOSE AND ENGLISH LANGUAGE UNITS)
1401		7376101873	3	DECAL - DANGER BOOM EXTENSION HAZARD (ENGLISH) (USE WITH BOOM EXTENSION AND ENGLISH LANGUAGE UNITS)
1502		7376226050	2	DECAL - GROVE 5" WHITE
1601		7376102901	1	DECAL - BOOM EXTENSION DATA (ENGLISH) (USE WITH ANY BOOM EXTENSION AND ENGLISH LANGUAGE UNITS)
1602		7376102902	1	DECAL - TELESCOPE BOOM EXTENSION DATA (SYMBOLIC) (USE WITH TELESCOPIC BOOM EXTENSION AND NON-ENGLISH LANGUAGE UNITS)

Manitowoc Cranes

Description DECAL INSTALLATION - RT540E				Assembly No. 6376100600 Revision: AC
Item	FN	Part	Qty	Description
1603		7376102903	1	DECAL - FLY BOOM EXTENSION DATA (ENGLISH) (USE WITH FIXED BOOM EXTENSION AND NON-ENGLISH LANGUAGE UNITS)
1701		7376102904	1	DECAL - TRANSPORTATION AND LIFTING DATA FLY BOOM EXTENSION (SYMBOLIC) (USE WITH TELESCOPIC BOOM EXTENSION AND ENGLISH LANGUAGE UNITS)
1702		7376102905	1	DECAL - TRANSPORTATION AND LIFTING DATA FIXED BOOM EXTENSION (SYMBOLIC) (USE WITH TELESCOPIC BOOM EXTENSION AND NON-ENGLISH LANGUAGE UNITS)
1801		7376102794	1	DECAL - TRANSPORTATION AND LIFTING DATA RT535E/RT540E (ENGLISH) (USE WITH ENGLISH LANGUAGE UNITS)
2102		80006277	1	DECAL, 105 DB
2203		80012674	1	DECAL-SYNTHETIC GEAR OIL-RU
2204		80012674	2	DECAL-SYNTHETIC GEAR OIL-RU
2302		80012677	1	DECAL-SYNTHETIC GREASE-RU
2401		7376102599	1	DECAL-MAIN HOIST & LIFT -DUAL (ENGLISH)
2601		7376102055	1	DECAL - QUALITY
2701		80017201	1	DECAL - CRANESTAR MONITORING
2702		80017203	1	DECAL-CRANESTAR MONITORING-DE
2703		80017204	1	DECAL-CRANESTAR MONITORING-DK
2704		80017205	1	DECAL-CRANESTAR MONITORING-ES
2705		80017206	1	DECAL-CRANESTAR MONITORING-FR
2706		80017207	1	DECAL-CRANESTAR MONITORING-IT
2707		80017208	1	DECAL-CRANESTAR MONITORING-NL
2708		80017209	1	DECAL-CRANESTAR MONITORING-NO
2709		80017210	1	DECAL-CRANESTAR MONITORING-PL
2710		80017211	1	DECAL-CRANESTAR MONITORING-PC

Manitowoc Cranes

Description DECAL INSTALLATION - RT540E				Assembly No. 6376100600 Revision: AC
Item	FN	Part	Qty	Description
2711		80017212	1	DECAL-CRANESTAR MONITORING-PT
2712		80017213	1	DECAL-CRANESTAR MONITORING-RU
2801		7376007239	2	DECAL - AUXILIARY BOOM NOSE (ENGLISH)
2802		7376102240	2	DECAL - AUXILIARY BOOM NOSE (GERMAN)
2803		7376102241	2	DECAL - AUXILIARY BOOM NOSE (DANISH)
2804		7376102242	2	DECAL - AUXILIARY BOOM NOSE (SPANISH)
2805		7376101768	2	DECAL - AUXILIARY BOOM NOSE (FRENCH)
2806		7376102483	2	DECAL - AUXILIARY BOOM NOSE (ITALIAN)
2807		7376102243	2	DECAL - AUXILIARY BOOM NOSE (DUTCH)
2808		7376102244	2	DECAL - AUXILIARY BOOM NOSE (NORWEGIAN)
2809		7376102245	2	DECAL - AUXILIARY BOOM NOSE (POLISH)
2810		7376102736	2	DECAL - AUXILIARY BOOM NOSE (PORTUGUESE - CONTINENTAL)
2811		7376102246	2	DECAL - AUXILIARY BOOM NOSE (PORTUGUESE - BRAZILIAN)
2812		7376102919	2	DECAL-AUX BOOM NOSE
2901		80022386	1	DECAL-DATA RECORDER
2902		80022387	1	DECAL-DATA RECORDER-DE
2903		80022388	1	DECAL-DATA RECORDER-DK
2904		80022389	1	DECAL-DATA RECORDER-ES
2905		80022390	1	DECAL-DATA RECORDER-FR
2906		80022391	1	DECAL-DATA RECORDER-IT
2907		80022392	1	DECAL-DATA RECORDER-NL
2908		80022393	1	DECAL-DATA RECORDER-NO
2909		80022394	1	DECAL-DATA RECORDER-PL
2910		80022395	1	DECAL-DATA RECORDER-PC
2911		80022396	1	DECAL-DATA RECORDER-PT
2912		80022397	1	DECAL-DATA RECORDER-RU

Manitowoc Cranes

Description

DECAL INSTALLATION - RT540E

Assembly No.

6376100600

Revision: **AC**

Item	FN	Part	Qty	Description
3001		80020640	2	DECAL-DANGER-LMI OVERRIDE SW
3002		80020641	2	DECAL-DANGR-LMI OVERRIDE SW-DE
3003		80020644	2	DECAL-DANGR-LMI OVERRIDE SW-DK
3004		80020645	2	DECAL-DANGR-LMI OVERRIDE SW-ES
3005		80020646	2	DECAL-DANGR-LMI OVERRIDE SW-FR
3006		80020647	2	DECAL-DANGR-LMI OVERRIDE SW-IT
3007		80020648	2	DECAL-DANGR-LMI OVERRIDE SW-NL
3008		80020649	2	DECAL-DANGR-LMI OVERRIDE SW-NO
3009		80020650	2	DECAL-DANGR-LMI OVERRIDE SW-PL
3010		80020651	2	DECAL-DANGR-LMI OVERRIDE SW-PC
3011		80020652	2	DECAL-DANGR-LMI OVERRIDE SW-PT
3012		80020653	2	DECAL-DANGR-LMI OVERRIDE SW-RU

Manitowoc Cranes

Notes

Manitowoc Cranes

Description

DECAL INSTALLATION RT535E/540E-STANDARD

Assembly No.

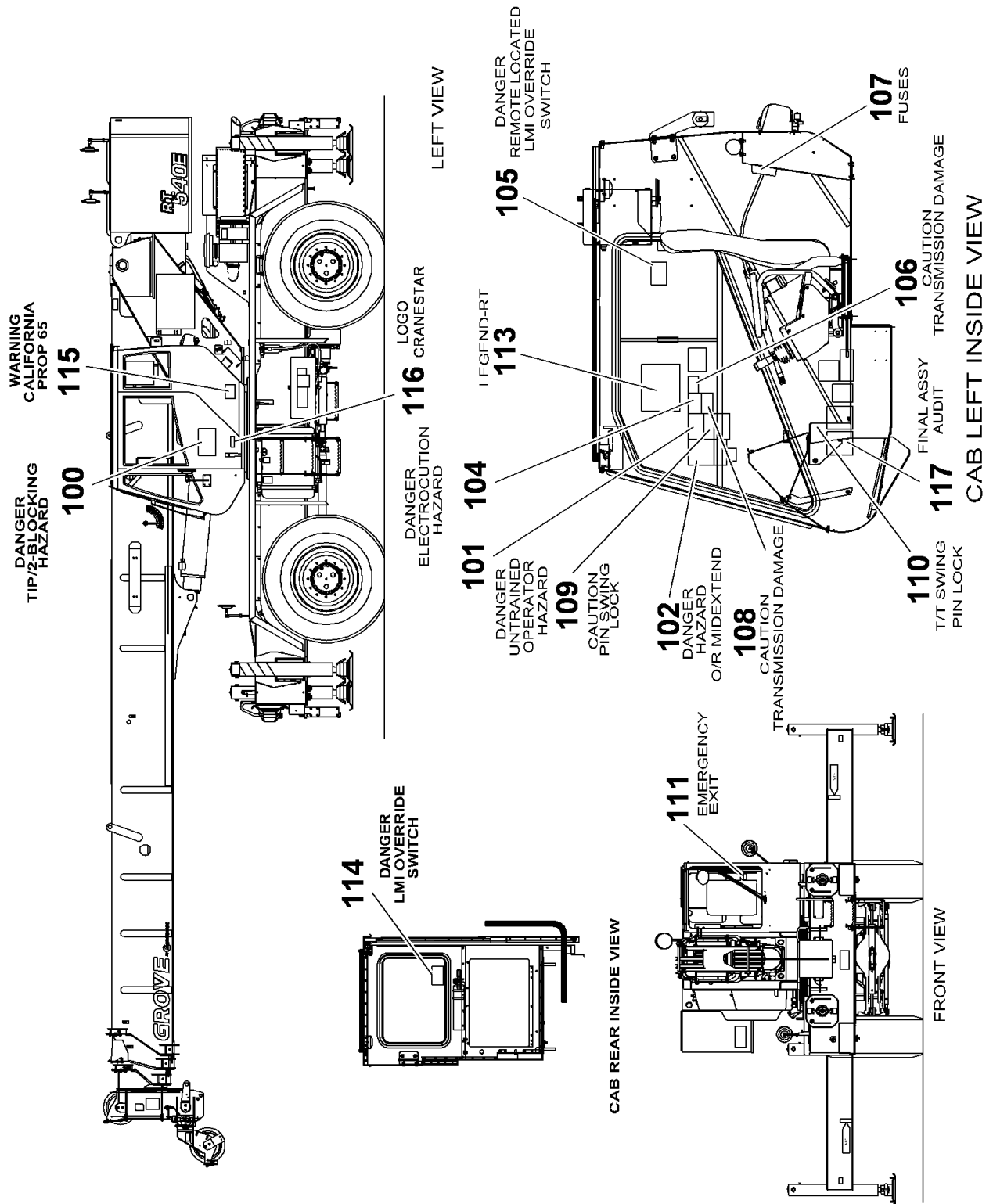
80006891

Revision: **A**

Item	FN	Part	Qty	Description
900	+	80030878	1	DECAL INSTALLATION-RT540E STANDARD CAB
901	+	6376200767	1	DECAL INSTALLATION - RT535E (STANDARD CARRIER)
902	+	6376200776	1	DECAL INSTALLATION - RT535E (STANDARD SUPERSTRUCTURE)
903	+	6376200785	1	DECAL INSTALLATION - RT535E (STANDARD BOOM)

+ SEE FURTHER BREAKDOWN THIS GROUP

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION-RT540E STANDARD CAB

Assembly No.

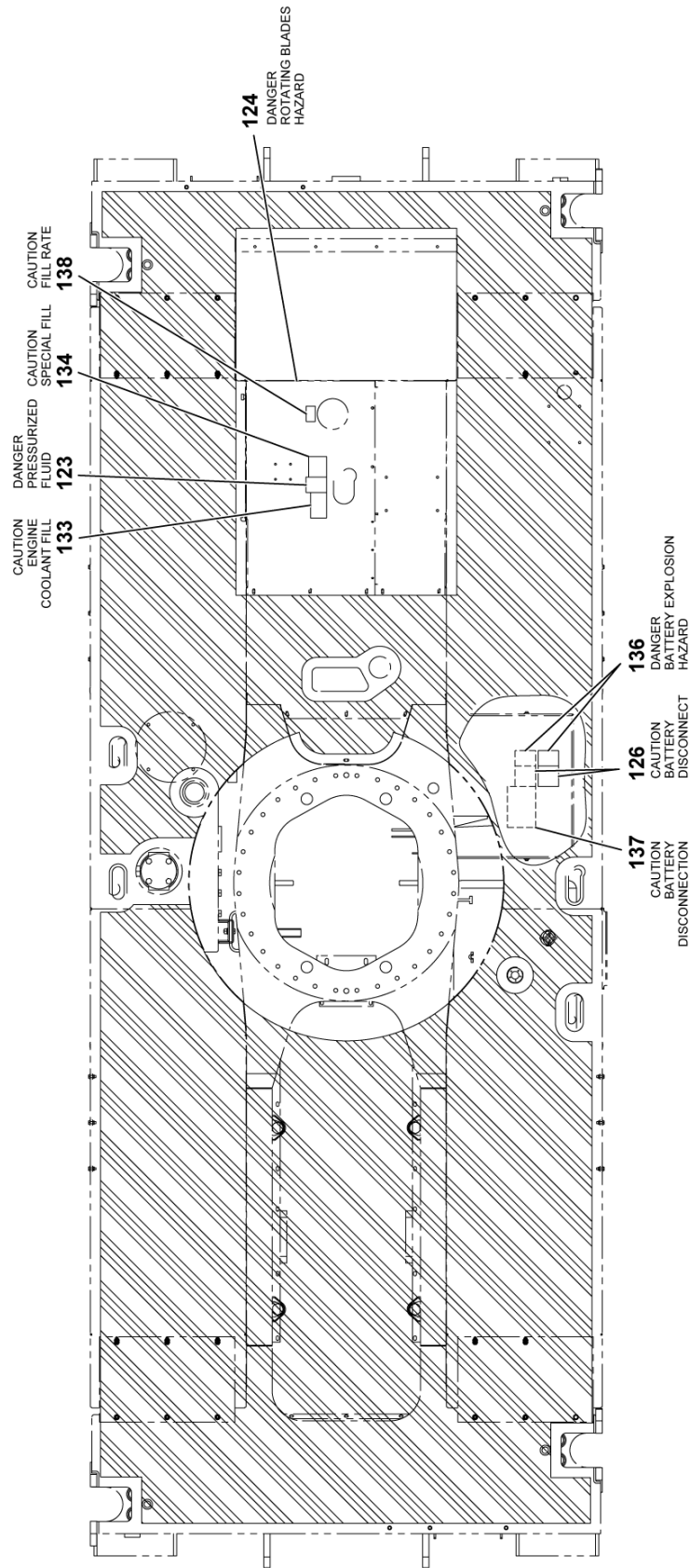
80030878

Revision: #

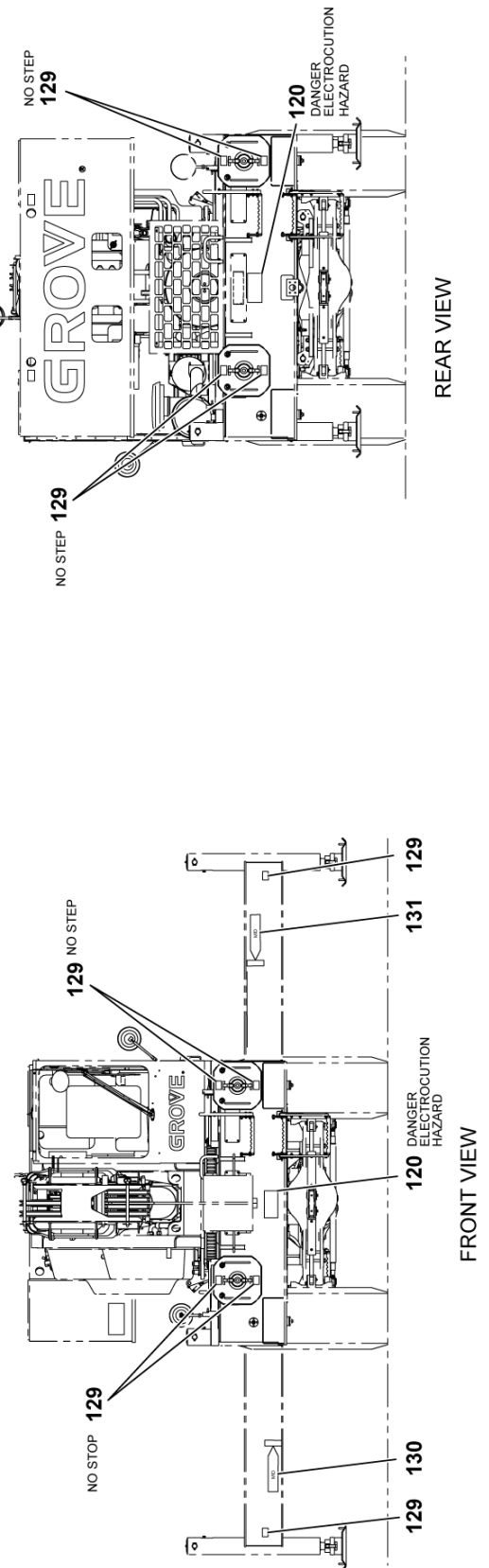
Item	FN	Part	Qty	Description
100		7376100175	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (ENGLISH)
101		7376007255	1	DECAL - DANGER UNTRAINED OPERATOR (ENGLISH)
102		7376007441	1	DECAL - DANGER OUTRIGGER MID EXTENSION (ENGLISH)
103		7376100080	1	DECAL - DANGER SUPERSTRUCTURE SWING (ENGLISH)
104		7376101865	1	DECAL - DANGER ELECTROCUTION HAZARD (ENGLISH)
105		80005871	1	(ENGLISH)
106		7376102092	1	DECAL - CAUTION TRANSMISSION DAMAGE
107		7376102923	1	DECAL - FUSES (ENGLISH) RT535E
108		7376102417	1	DECAL - CAUTION TRANSMISSION DAMAGE (ENGLISH)
109		7376011340	1	DECAL - CAUTION PIN SWING LOCK (ENGLISH)
110		7376101825	1	DECAL - PIN SWING LOCK
111		7376009502	1	DECAL - EMERGENCY EXIT (ENGLISH)
113		7376102925	1	DECAL - SYMBOLIC ID (ENGLISH)
114		80007945	1	DECAL-DANGER LMI OVERRIDE KEY (ENGLISH)
115		81007557	1	DECAL - WARNING CALIFORNIA PROP 65
116		80017200	1	DECAL - CRANESTAR LOGO
117		80000339	1	DECAL - GROVE FINAL ASSEMBLY AUDIT (ENGLISH)

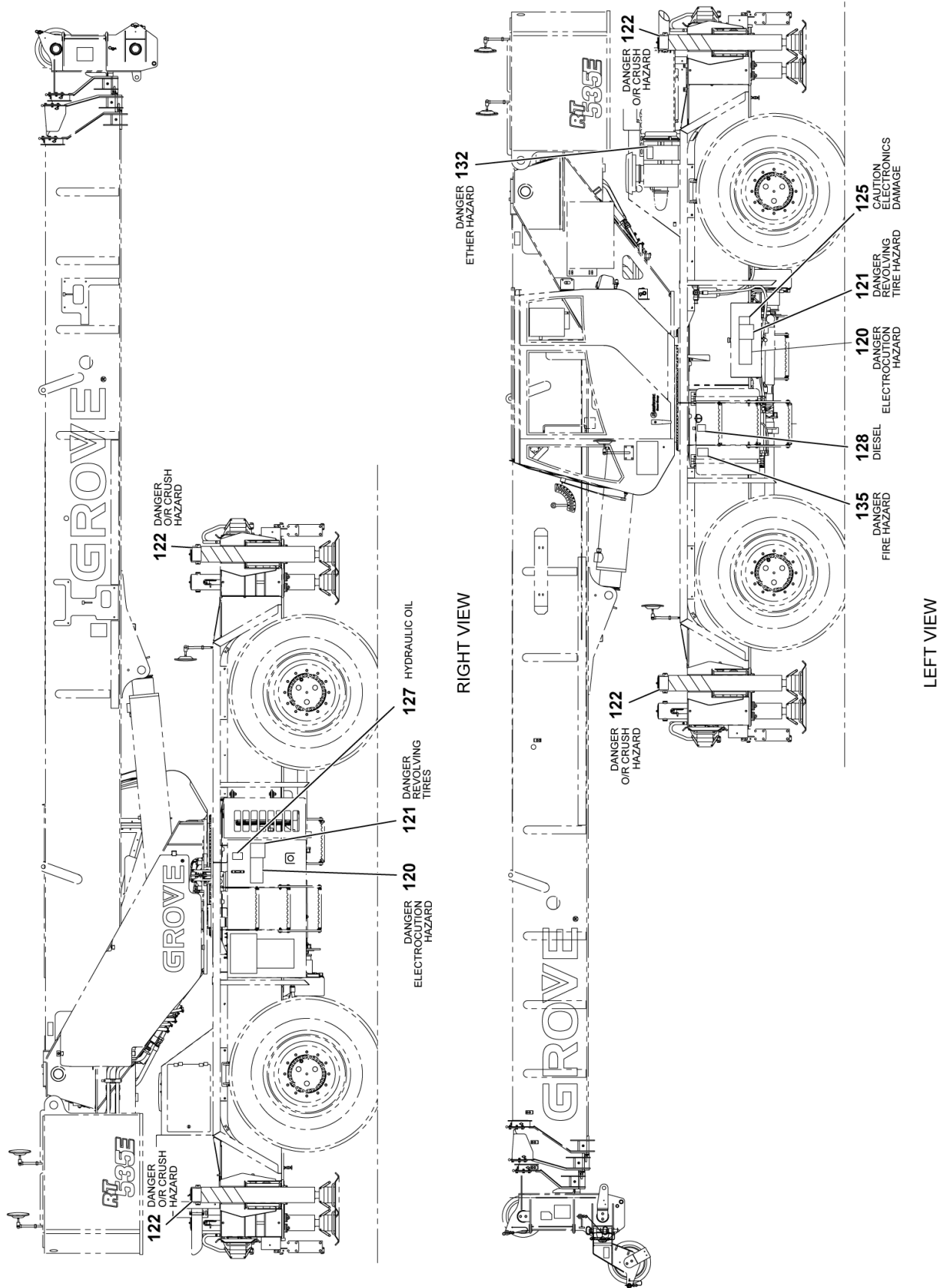
Manitowoc Cranes

Notes



TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT





Manitowoc Cranes

Description

DECAL INSTALLATION - RT535E (STANDARD CARRIER)

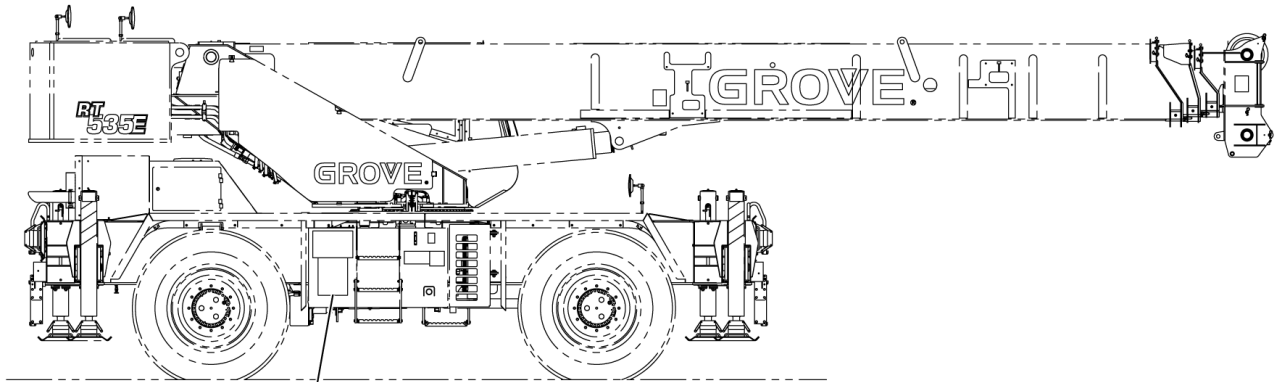
Assembly No.

6376200767

Revision: **A**

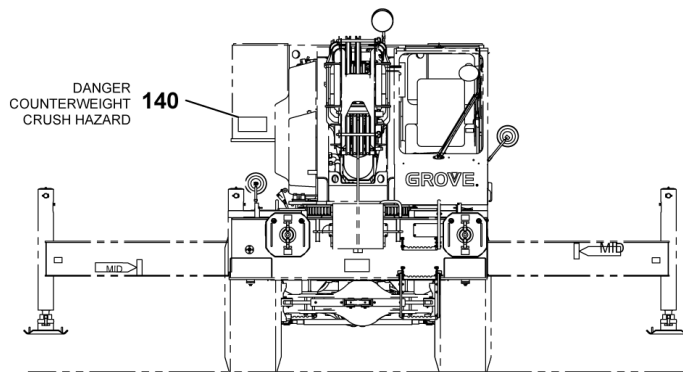
Item	FN	Part	Qty	Description
120		7376009555	4	DECAL - DANGER ELECTROCUTION HAZARD (ENGLISH)
121		7376007446	2	DECAL - DANGER REVOLVING TIRES (ENGLISH)
122		7376011087	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (ENGLISH)
123		7376102517	1	DECAL-DANGER PRESSURIZED FLUID
124		7376011364	1	DECAL - FAN DANGER ROTATING BLADES
125		7376102349	1	DECAL - CAUTION ELECTRONICS DAMAGE
126		7376101954	2	DECAL - CAUTION BATTERY DISCONNECT (ENGLISH)
127		7376011335	1	DECAL - HYDRAULIC OIL
128		7376011062	1	DECAL - DIESEL
129		7376010998	16	DECAL - NO STEP
130		7376009372	4	DECAL - MID-EXTEND OUTRIGGERS > (ENGLISH)
131		7376009373	4	DECAL - MID-EXTEND OUTRIGGERS < (ENGLISH)
132		7376101881	1	DECAL - DANGER ETHER HAZARD (ENGLISH)
133		7376102516	1	DECAL - CAUTION ENGINE COOLANT FILL
134		7376102424	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (ENGLISH)
135		7376102532	1	DECAL - DANGER FIRE HAZARD
136		7376102554	2	DECAL - DANGER BATTERY EXPLOSION HAZARD
137		7376102805	1	DECAL - CAUTION BATTERY CONNECTION (ENGLISH)
138		7376102956	1	DECAL - CAUTION MAXIMUM FILL RATE (ENGLISH)

Manitowoc Cranes



HAND SIGNALS 143

RIGHT VIEW

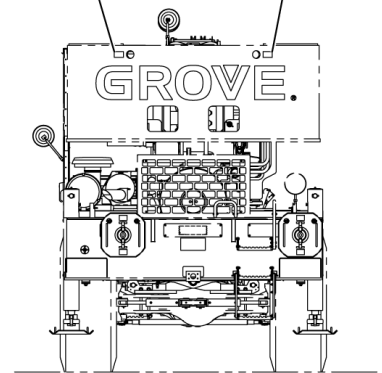


DANGER
COUNTERWEIGHT
CRUSH HAZARD 140

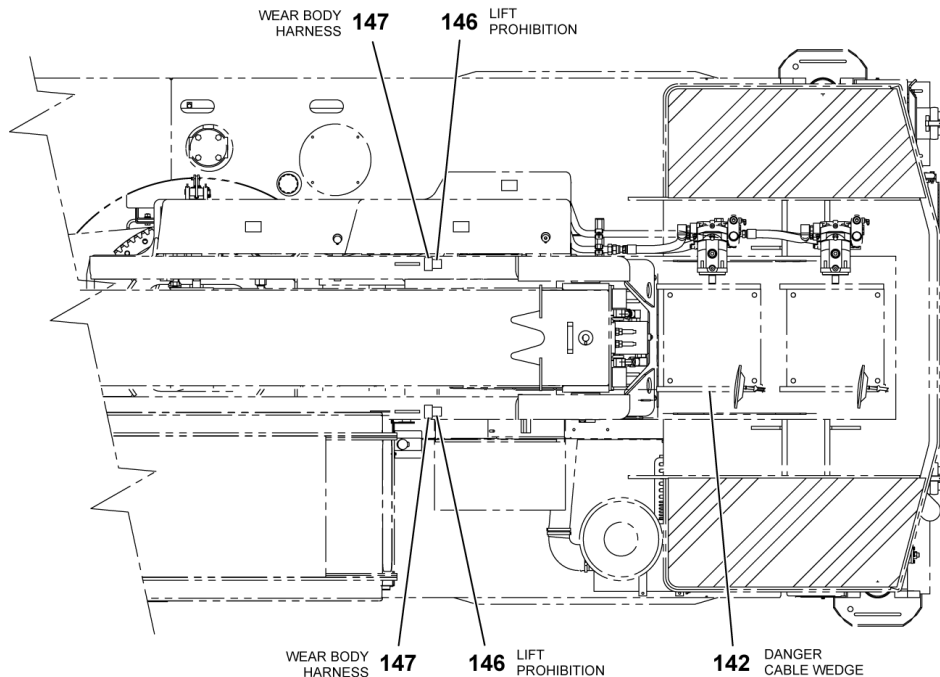
FRONT VIEW

DANGER
CWT LIFT HAZARD 141

141 DANGER
CWT LIFT HAZARD



REAR VIEW



WEAR BODY
HARNESS 147

146 LIFT
PROHIBITION

WEAR BODY
HARNESS 147

146 LIFT
PROHIBITION

142 DANGER
CABLE WEDGE

SUPERSTRUCTURE TOP VIEW

ITEM NOT SHOWN
NBR. 144

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535E (STANDARD SUPERSTRUCTURE)

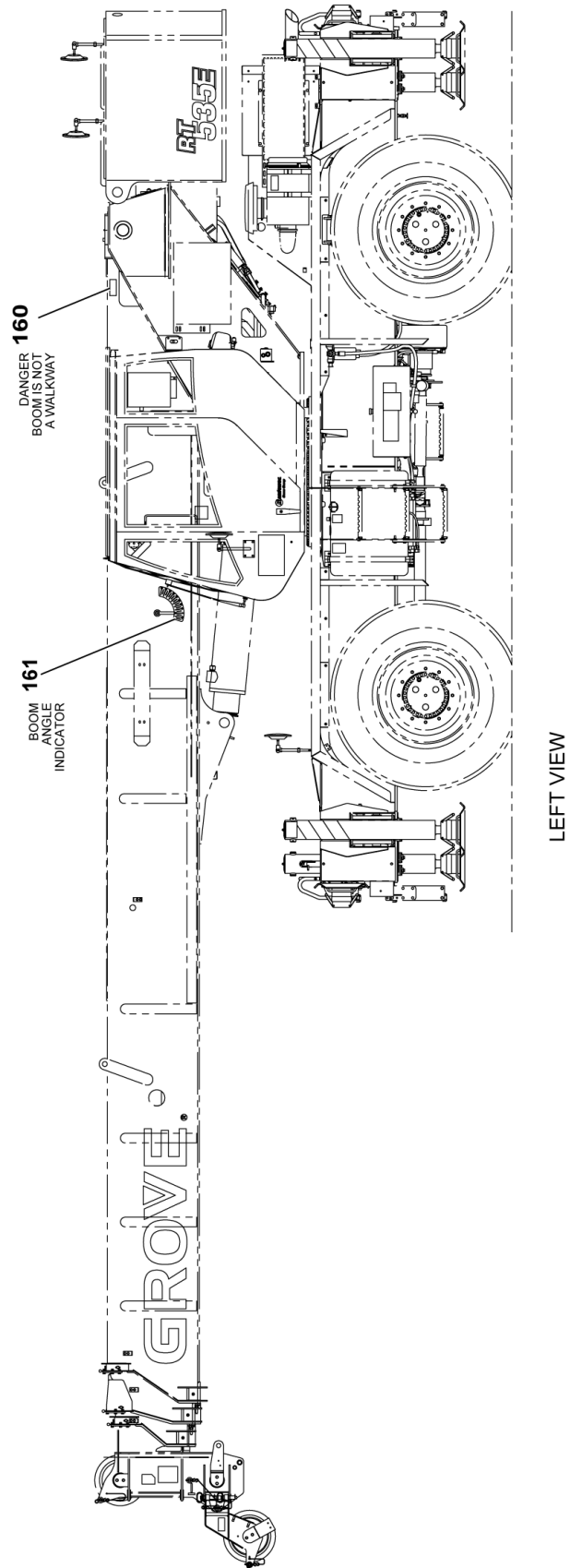
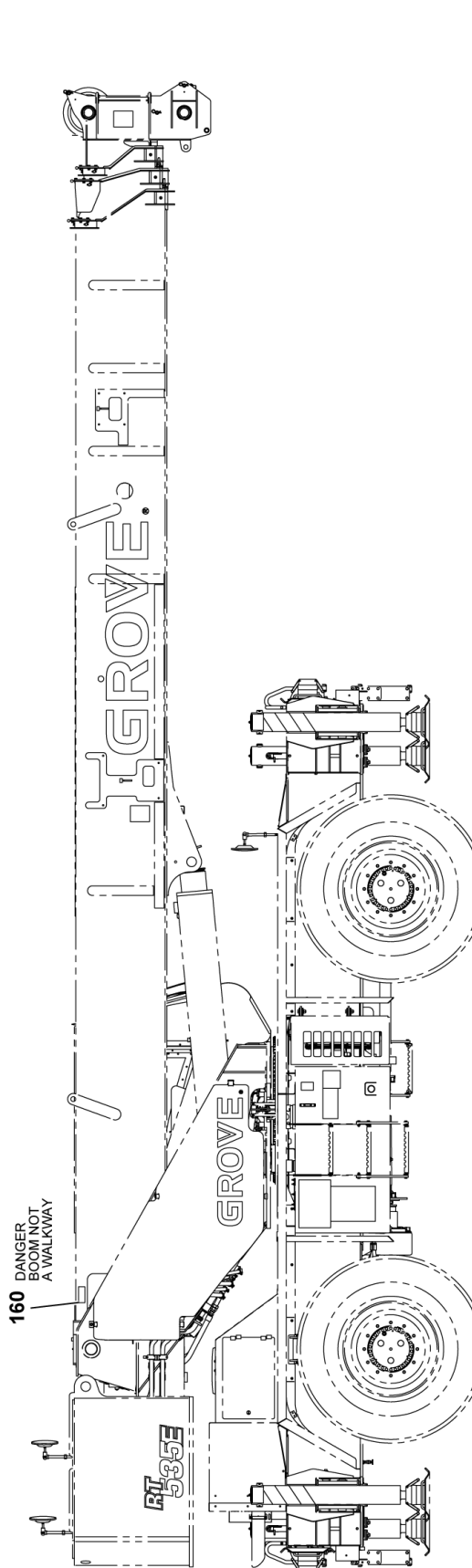
Assembly No.

6376200776

Revision: #

Item	FN	Part	Qty	Description
140		7376007213	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (ENGLISH)
141		7376100089	4	DECAL - DANGER COUNTERWEIGHT LIFT (ENGLISH)
142		7376100079	1	DECAL-DANGER CABLE WEDGE
143		7376101492	1	DECAL - HAND SIGNALS (ENGLISH)
144		7376102552	1	DECAL - DANGER PRESSURIZED OIL LEAK (ENGLISH)
146		7376102910	2	DECAL - LIFT POINT PROHIBITION
147		7376991722	2	DECAL - WEAR BODY HARNESS

Manitowoc Cranes



Manitowoc Cranes

Description

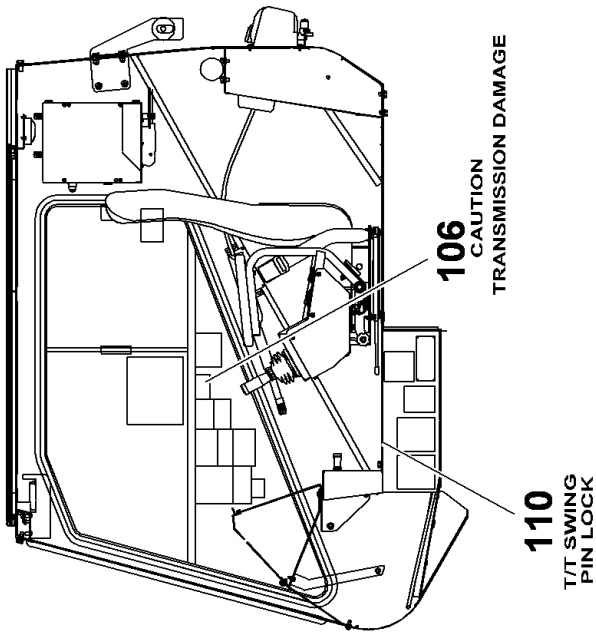
DECAL INSTALLATION - RT535E (STANDARD BOOM)

Assembly No.

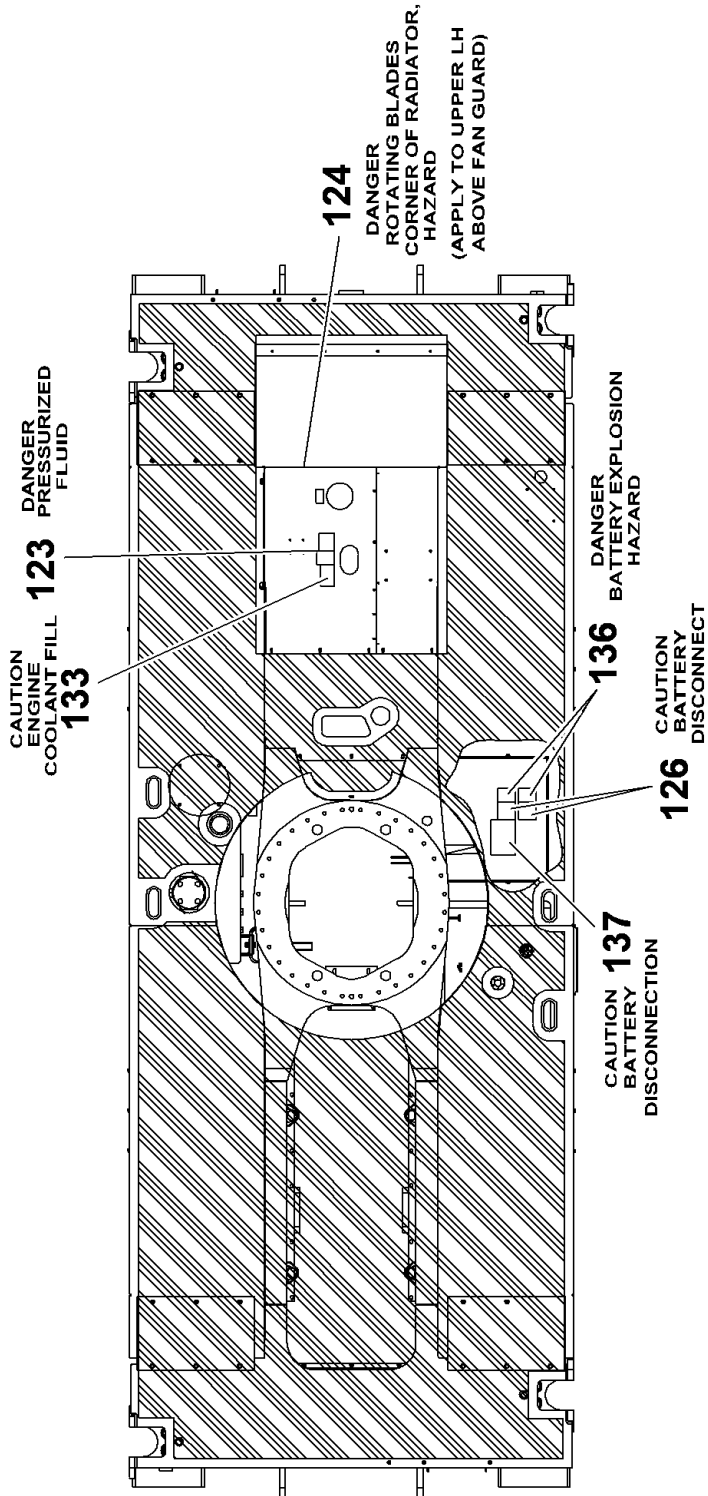
6376200785

Revision: #

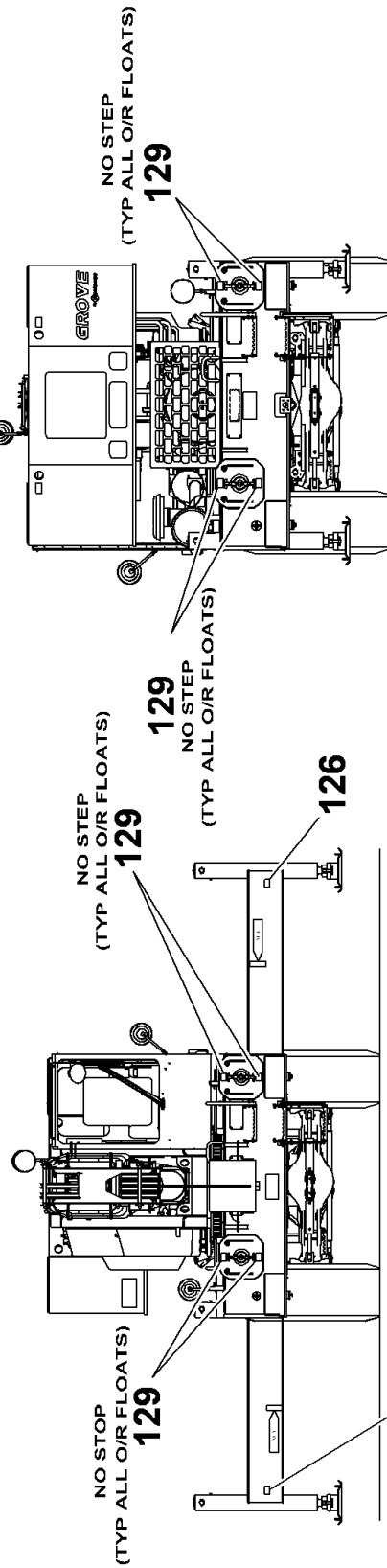
Item	FN	Part	Qty	Description
160		7376007250	2	DECAL - DANGER BOOM NOT WALKWAY (ENGLISH)
161		7376001935	1	DECAL - BOOM ANGLE



CAB LEFT INSIDE VIEW



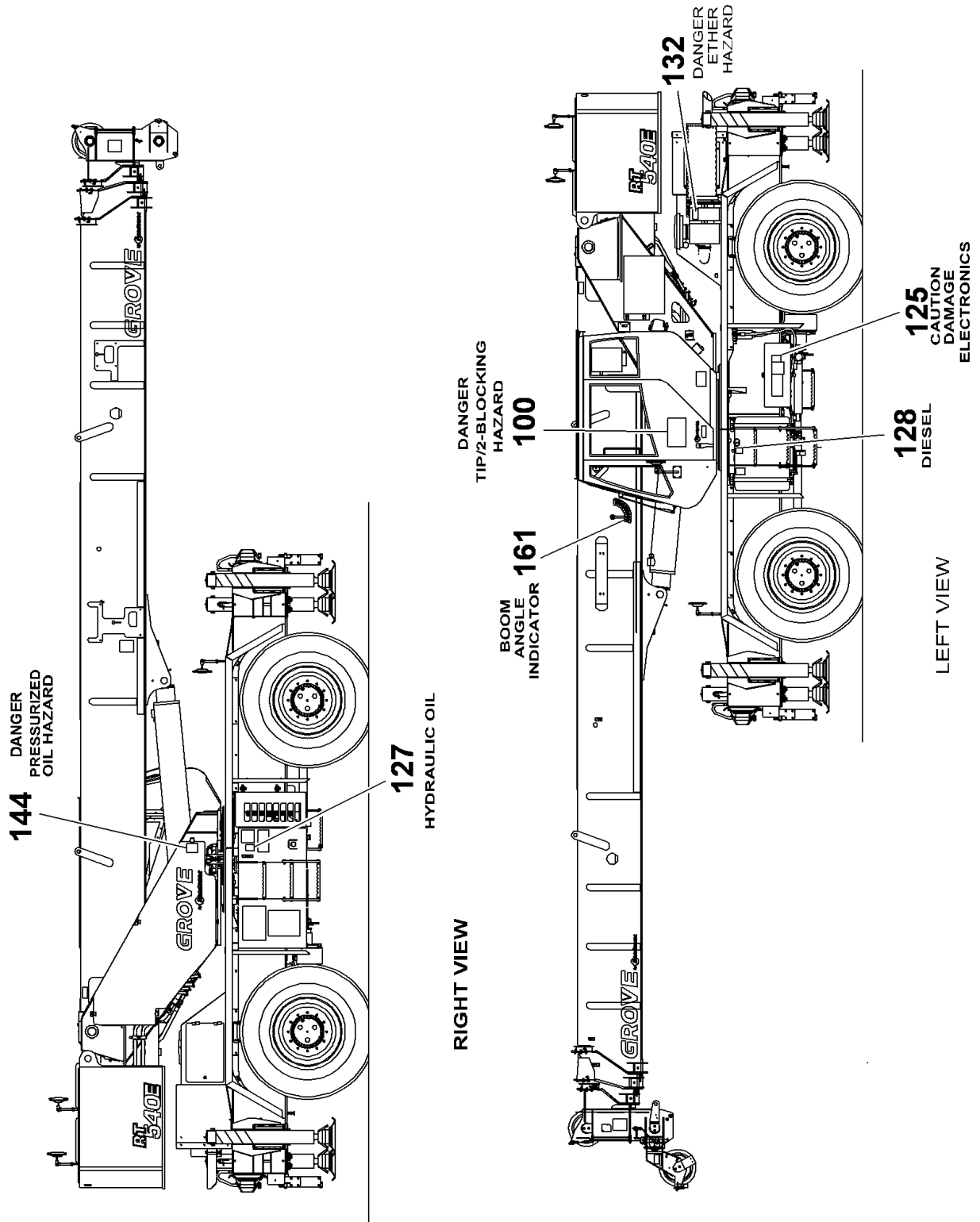
TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



REAR VIEW

FRONT VIEW

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION-RT530E/540E FOREIGN STANDARD

Assembly No.

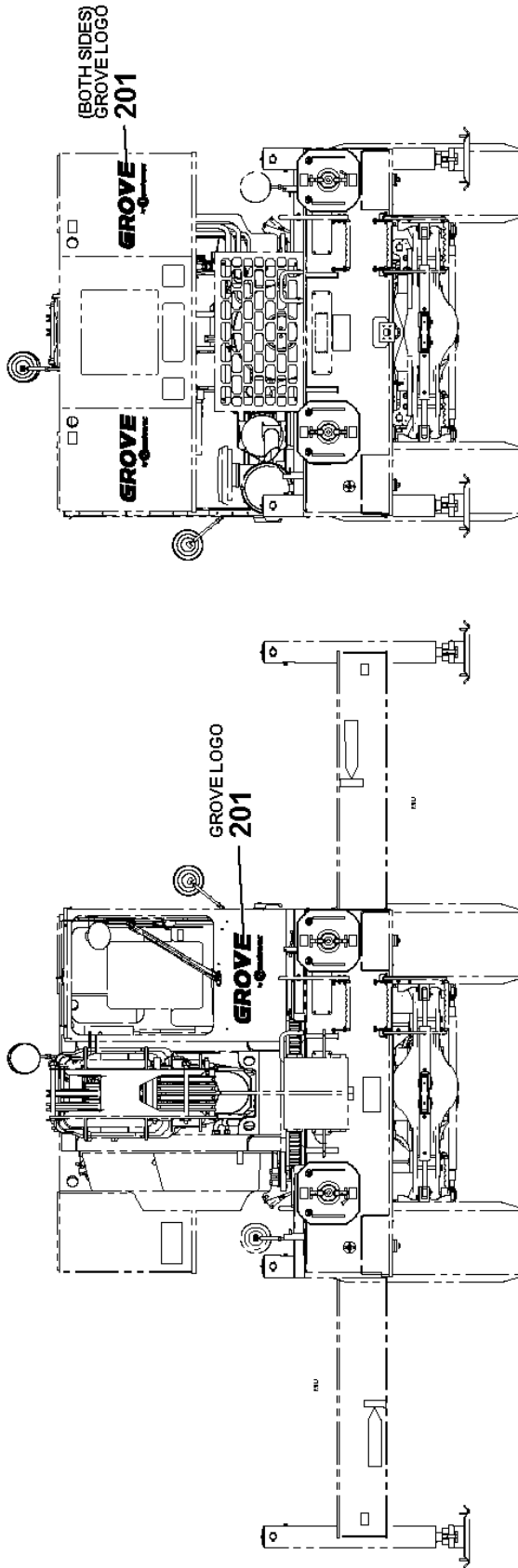
80030877

Revision: #

Item	FN	Part	Qty	Description
106		7376102093	1	DECAL - CAUTION TRANSMISSION DAMAGE (SYMBOLIC)
110		7376101826	1	DECAL - PIN SWING LOCK (SYMBOLIC)
123		7376102529	1	DECAL - DANGER PRESSURIZED FLUID (SYMBOLIC)
124		7376011416	1	DECAL - ROTATING BLADES
125		7376102350	1	DECAL - CAUTION ELECTRONICS DAMAGE (SYMBOLIC)
126		7376102053	2	DECAL - CAUTION BATTERY DISCONNECT (SYMBOLIC)
127		7376991546	1	DECAL - HYDRAULIC OIL
128		7376991544	1	DECAL - DIESEL
129		7376991542	20	DECAL - NO STEP
132		7376102544	1	DECAL - DANGER ETHER HAZARD (SYMBOLIC)
133		7376102530	1	DECAL - CAUTION ENGINE COOLANT FILL (SYMBOLIC)
135		7376102533	1	DECAL - DANGER FIRE HAZARD (SYMBOLIC)
136		7376102555	2	DECAL - DANGER BATTERY EXPLOSION HAZARD (SYMBOLIC)
137		7376102806	1	DECAL - CAUTION BATTERY CONNECTION (SYMBOLIC)
144		7376102553	1	DECAL - DANGER PRESSURIZED OIL LEAK (SYMBOLIC)
146		7376102910	2	DECAL - LIFT POINT PROHIBITION
147		7376991722	2	DECAL - WEAR BODY HARNESS
161		7376001935	1	DECAL - BOOM ANGLE

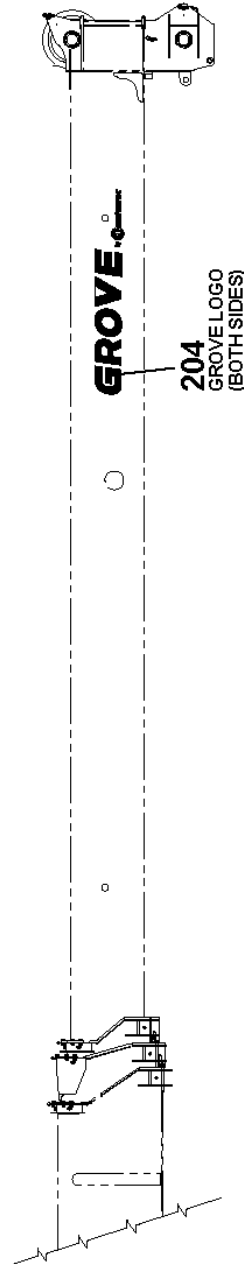
Manitowoc Cranes

Notes



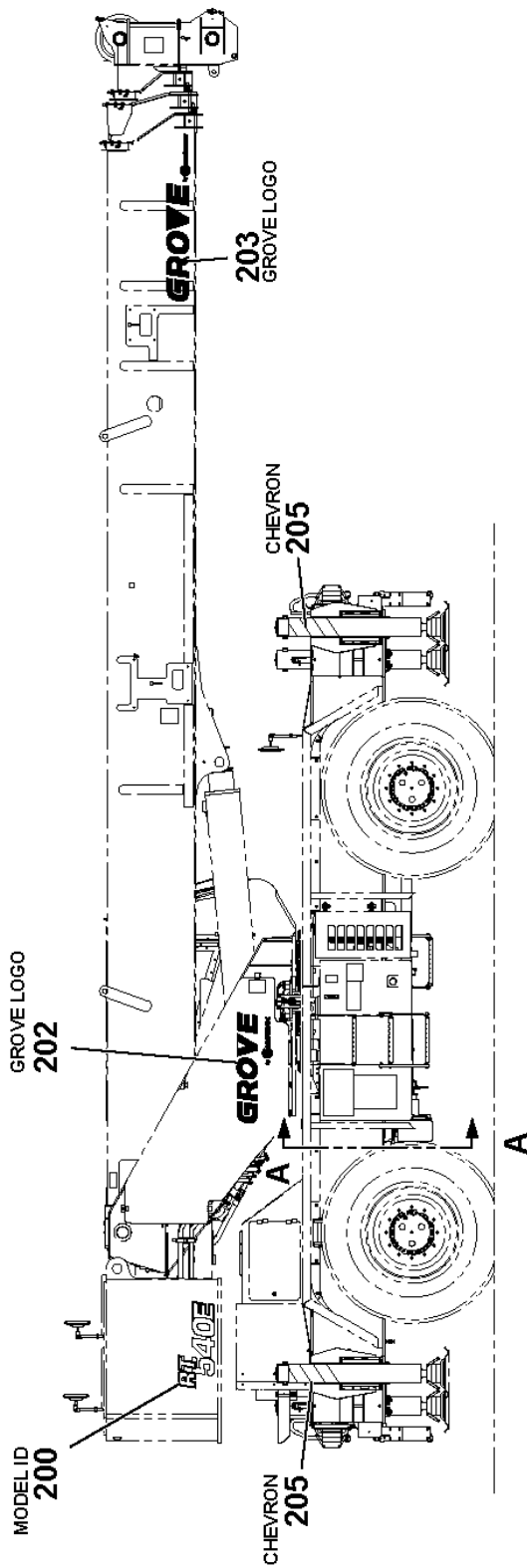
REAR VIEW

FRONT VIEW

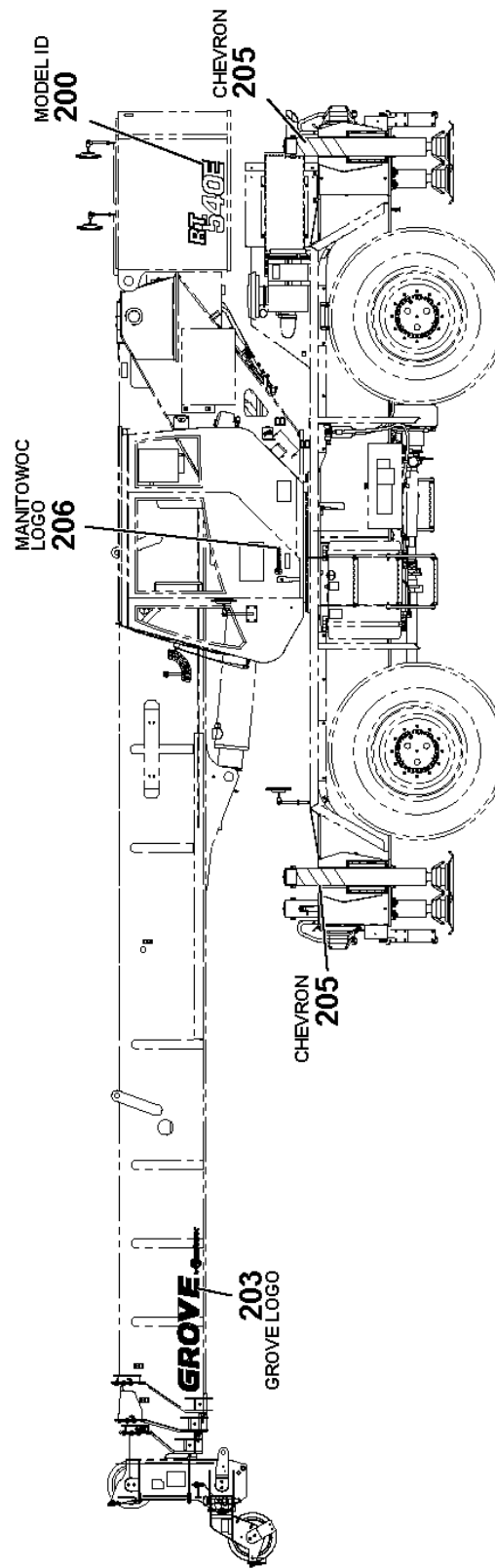


BOOM FLY SECTION RIGHT VIEW

Manitowoc Cranes



RIGHT VIEW



LEFT VIEW

Manitowoc Cranes

Description

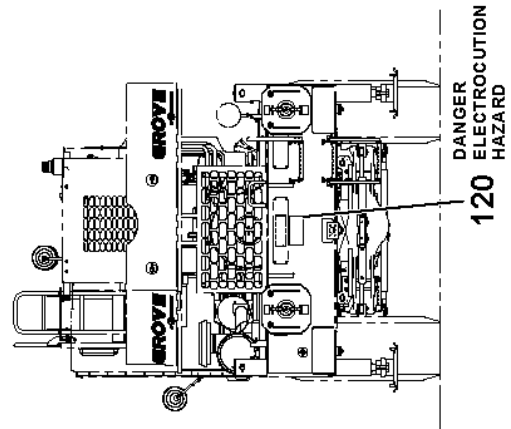
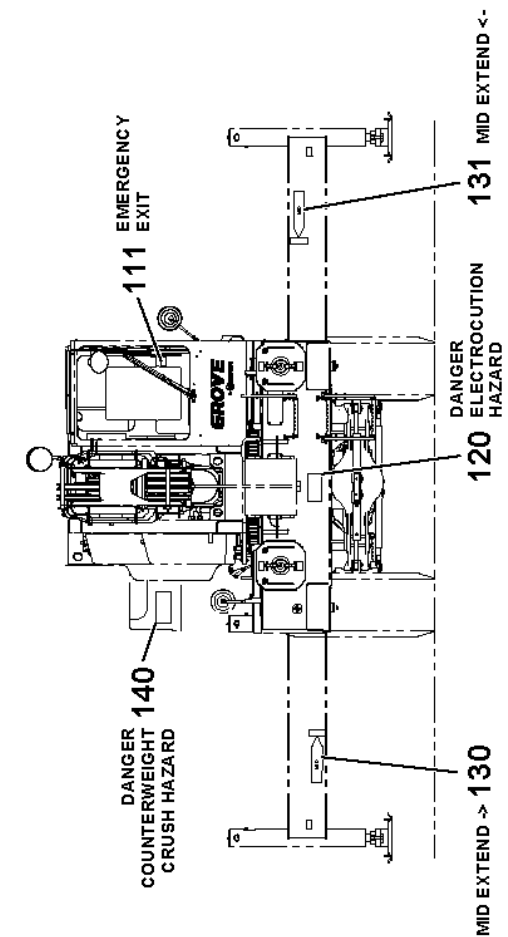
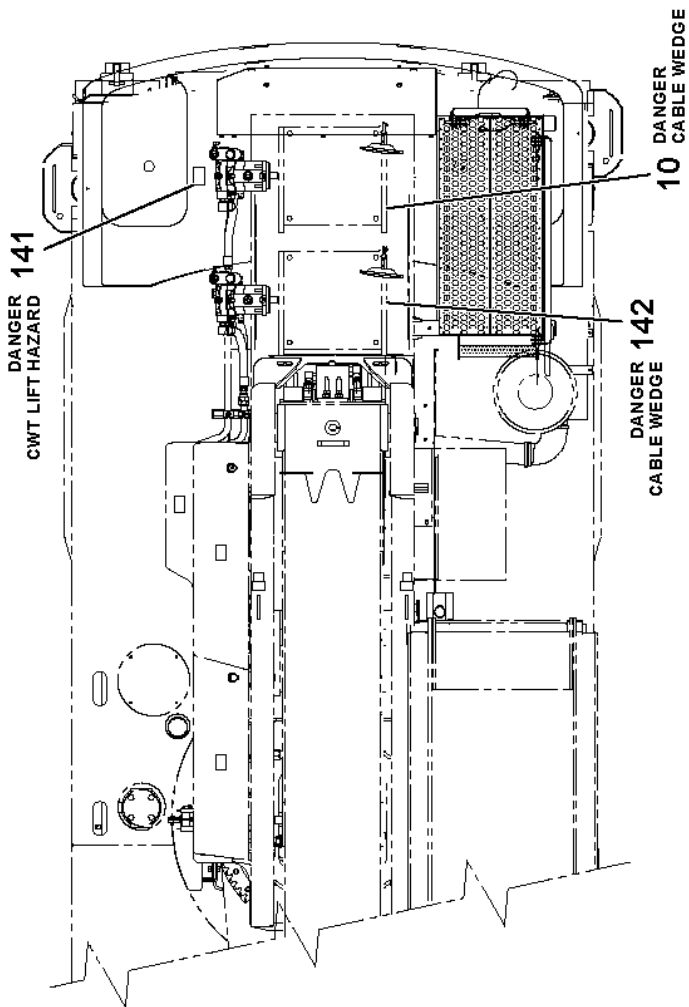
DECAL INSTALLATION-RT540E NOMENCLATURE

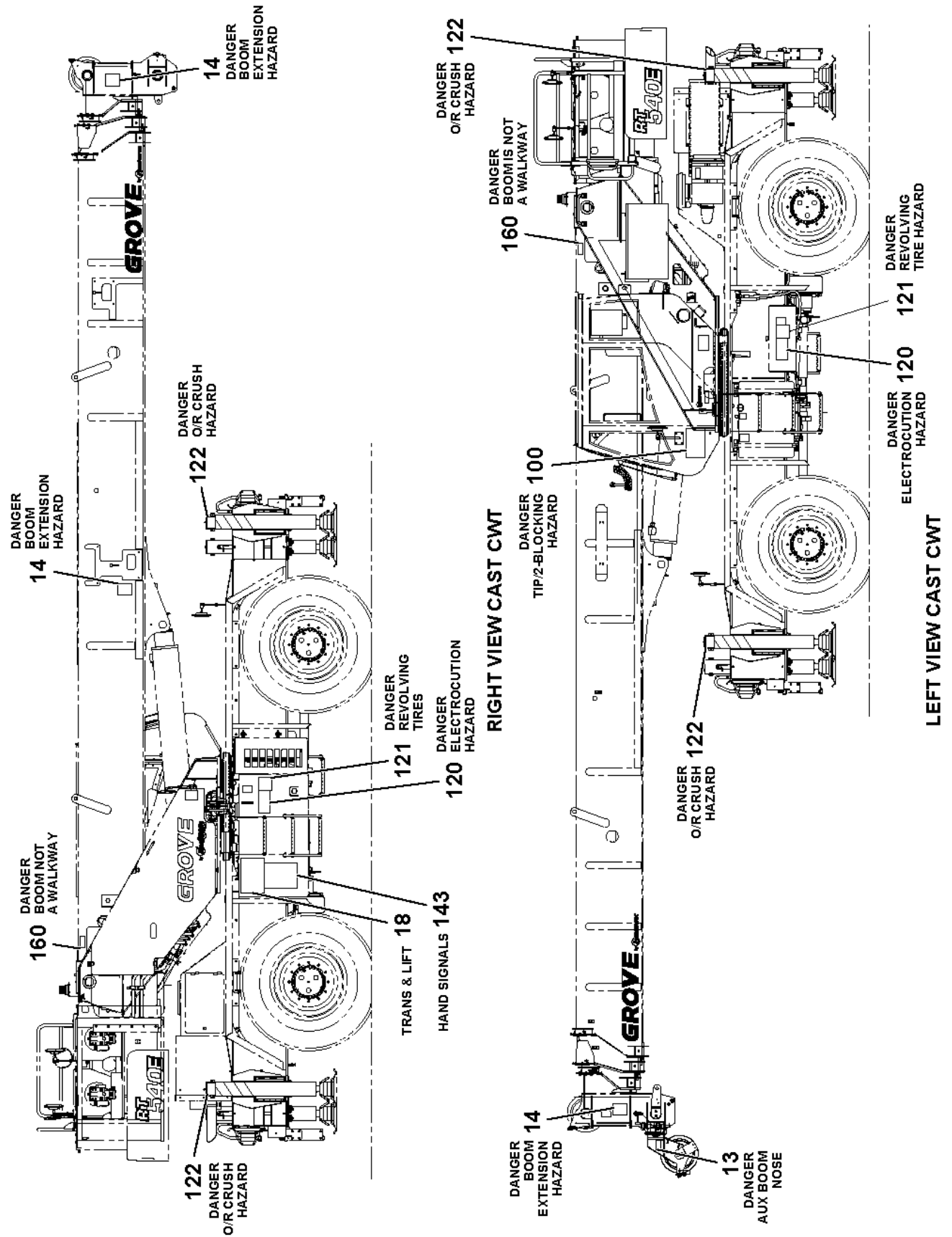
Assembly No.

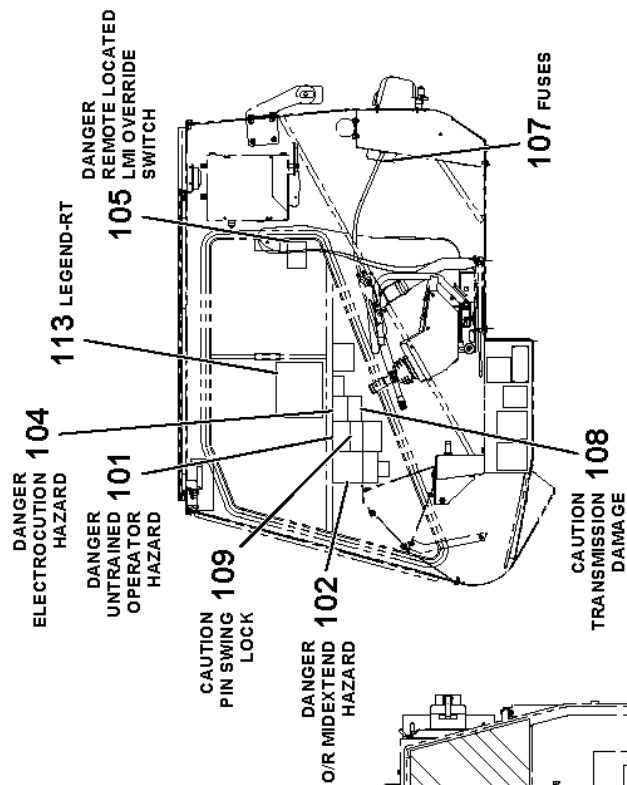
80028004

Revision: #

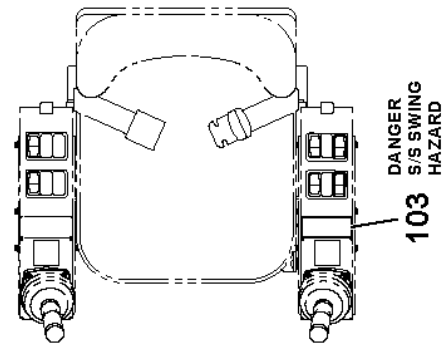
Item	FN	Part	Qty	Description
200		7376102912	2	DECAL - RT540E
201		7376247045	3	DECAL-GROVE-4.5" GRAY
202		7376247065	1	DECAL-GROVE-6.5" GRAY
203		7376246070	2	DECAL-GROVE-7" GRAY
204		7376226070	2	DECAL - GROVE - 7" WHITE
205		7376101141	4	DECAL - CHEVRON OUTRIGGER JACK
206		7376202030	1	DECAL - MANITOWOC CRANE GROUP LOGO 3" GRAY/RED



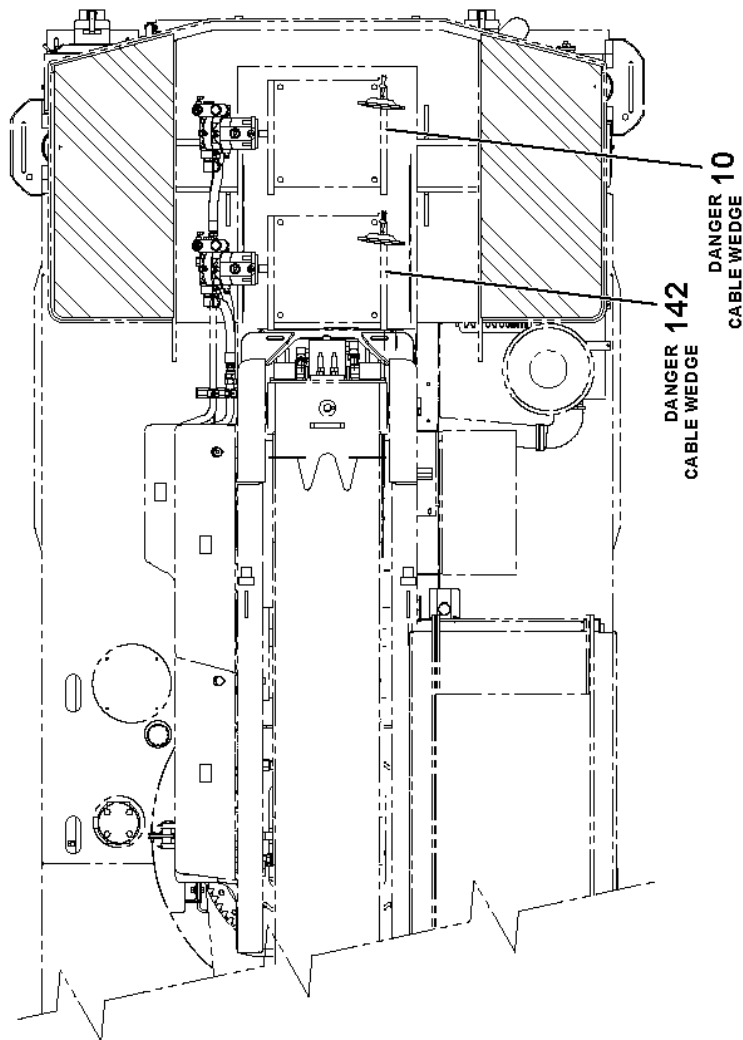




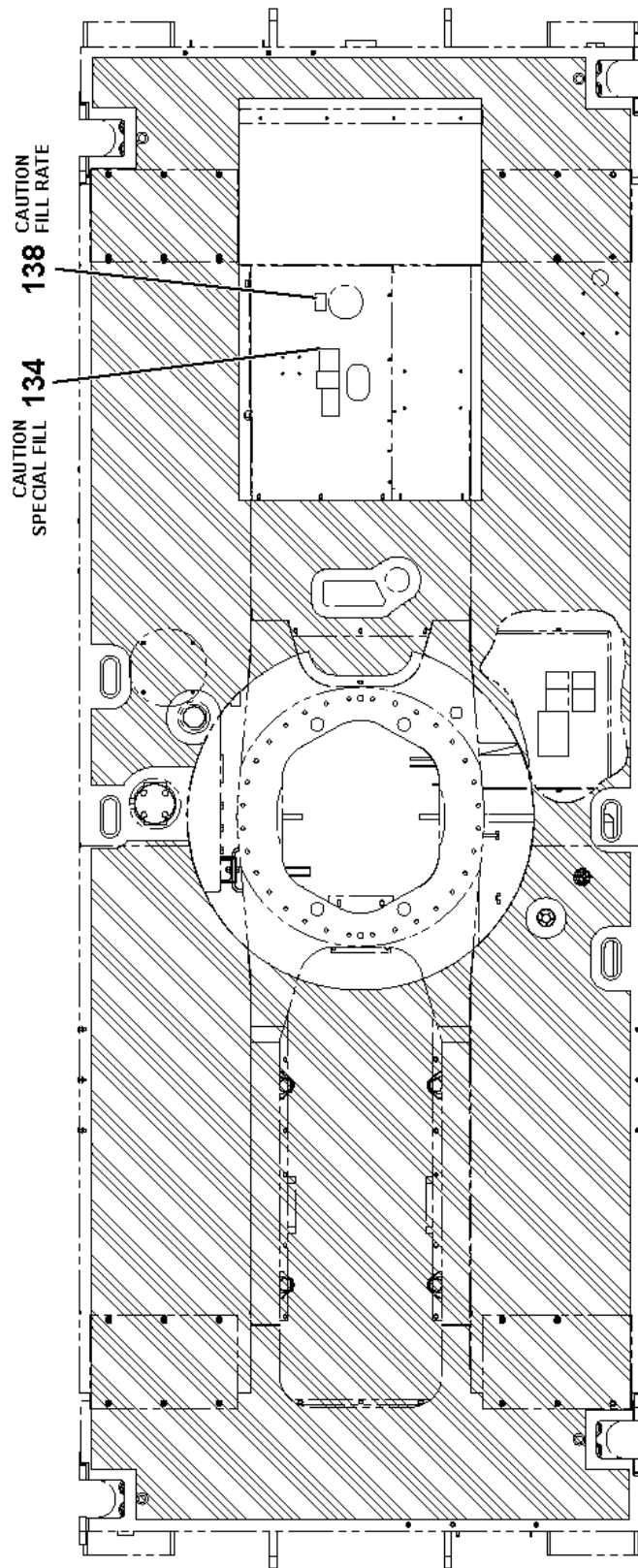
CAB LEFT INSIDE VIEW



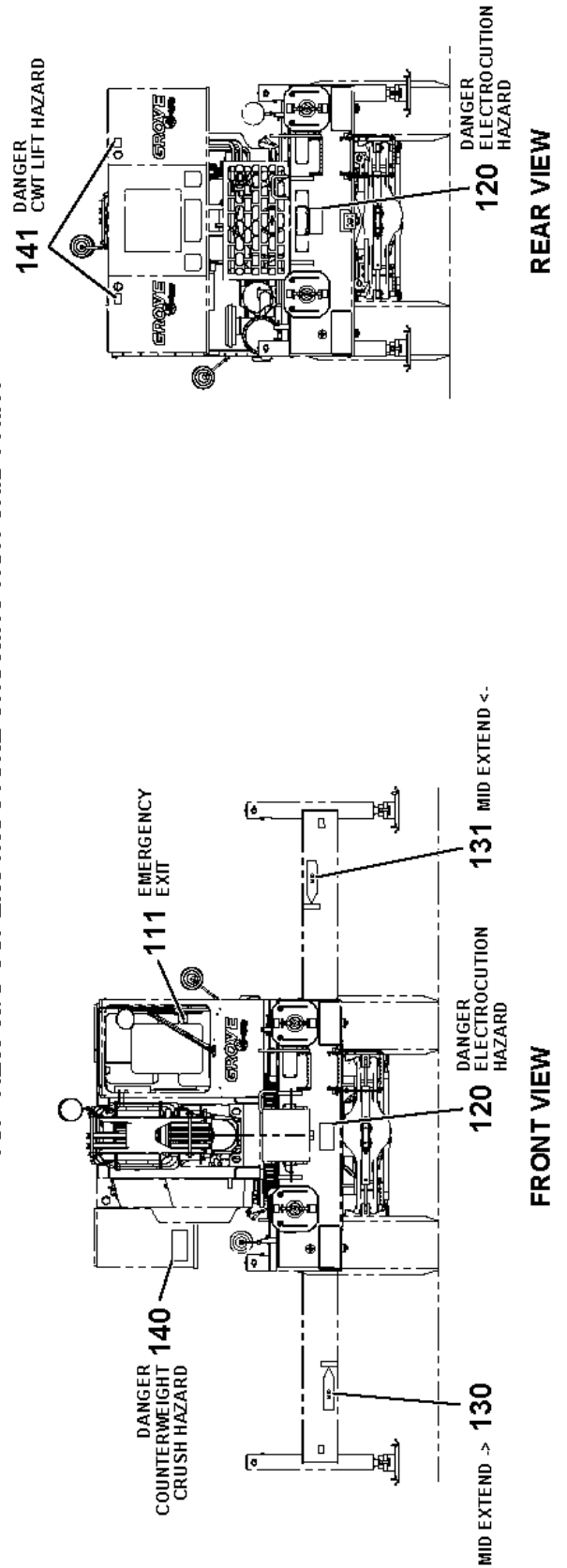
OPERATOR'S SEAT TOP VIEW



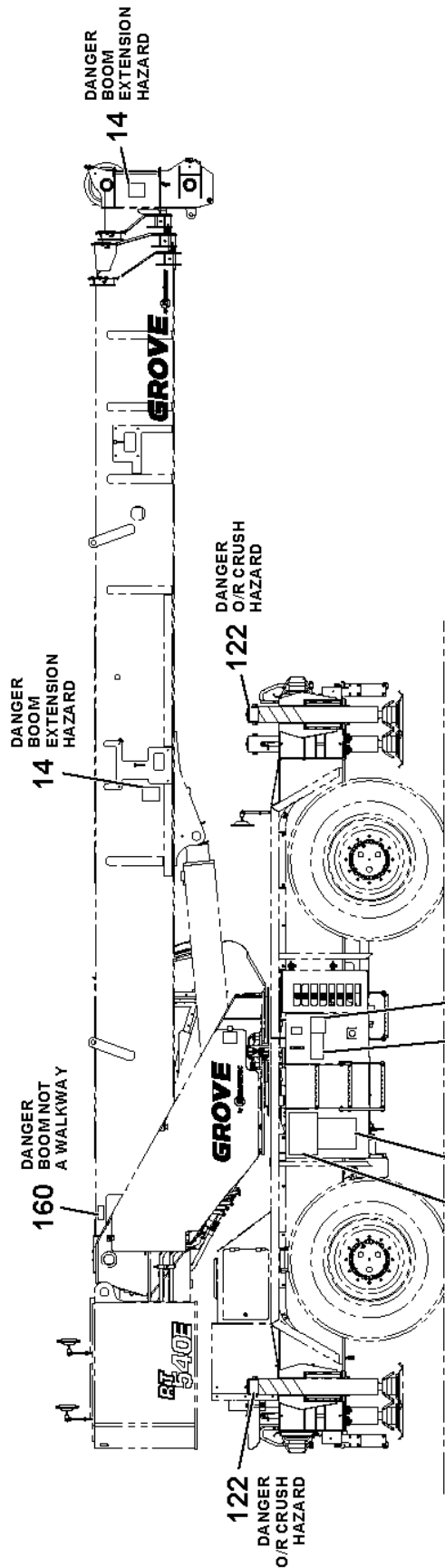
SUPERSTRUCTURE TOP VIEW



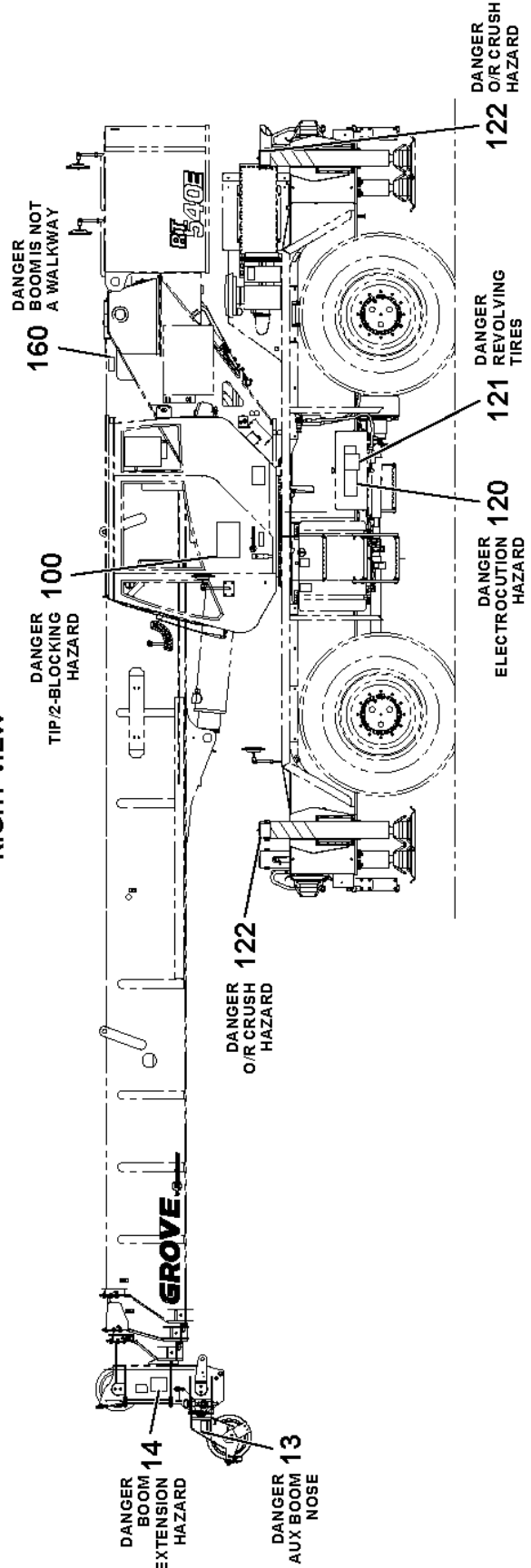
TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



RIGHT VIEW



LEFT VIEW

ITEM NOT SHOWN
NBR. 163

Manitowoc Cranes

Description				Assembly No.
DECAL INSTALLATION - RT535/540E (GERMAN)				80006903
				Revision: A
Item	FN	Part	Qty	Description
10		7376100556	1	DECAL - DANGER CABLE WEDGE (GERMAN)
13		7376100388	2	DECAL - DANGER AUXILIARY BOOM NOSE (GERMAN)
14		7376101874	3	DECAL - DANGER BOOM EXTENSION HAZARD (GERMAN)
18		7376102795	1	DECAL - TRANSPORTATION AND LIFTING DATA (GERMAN)
100		7376100612	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (GERMAN)
101		7376007166	1	DECAL - DANGER UNTRAINED OPERATOR (GERMAN)
102		7376100396	1	DECAL - DANGER OUTRIGGER MID EXTENSION (GERMAN)
103		7376100564	1	DECAL - DANGER SUPERSTRUCTURE SWING (GERMAN)
104		7376101866	1	DECAL - DANGER ELECTROCUTION HAZARD (GERMAN)
105		80005873	1	DECAL-DGR-REM LMI OVRDE KEY (GERMAN)
107		7376102808	1	DECAL - FUSES (GERMAN)
108		7376102418	1	DECAL - CAUTION TRANSMISSION DAMAGE (GERMAN)
109		7376100484	1	DECAL - CAUTION PIN SWING LOCK (GERMAN)
111		7376100436	1	DECAL - EMERGENCY EXIT (GERMAN)
113		7376102926	1	DECAL - SYMBOL ID (GERMAN)
120		7376100636	4	DECAL - DANGER ELECTROCUTION HAZARD (GERMAN)
121		7376100404	2	DECAL - DANGER REVOLVING TIRES (GERMAN)
122		7376100452	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (GERMAN)
130		7376100420	4	DECAL - MID-EXTEND OUTRIGGERS > (GERMAN)
131		7376100428	4	DECAL - MID-EXTEND OUTRIGGERS < (GERMAN)
134		7376102581	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (GERMAN)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (GERMAN)

Assembly No.

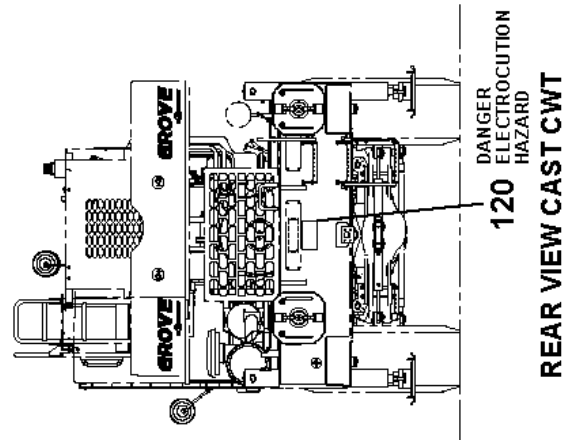
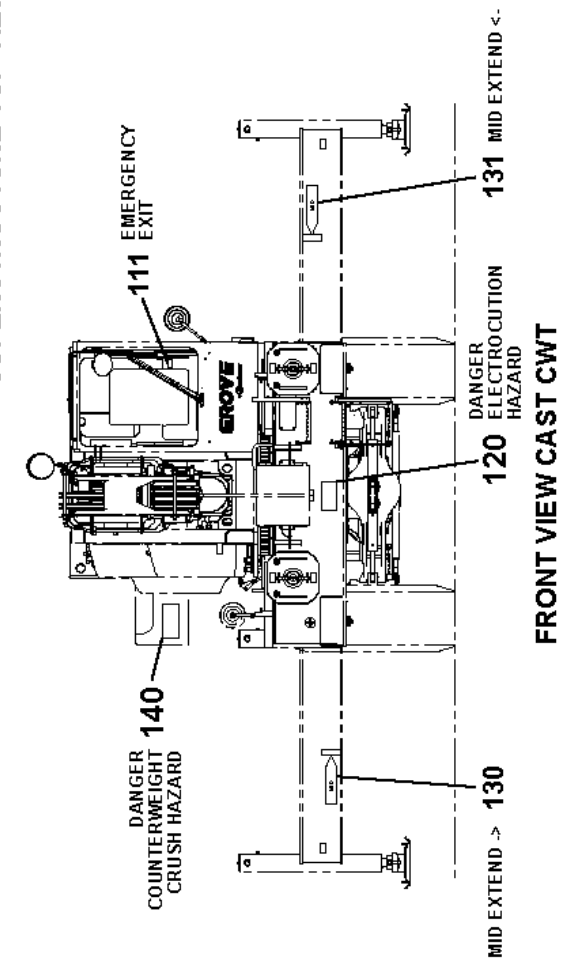
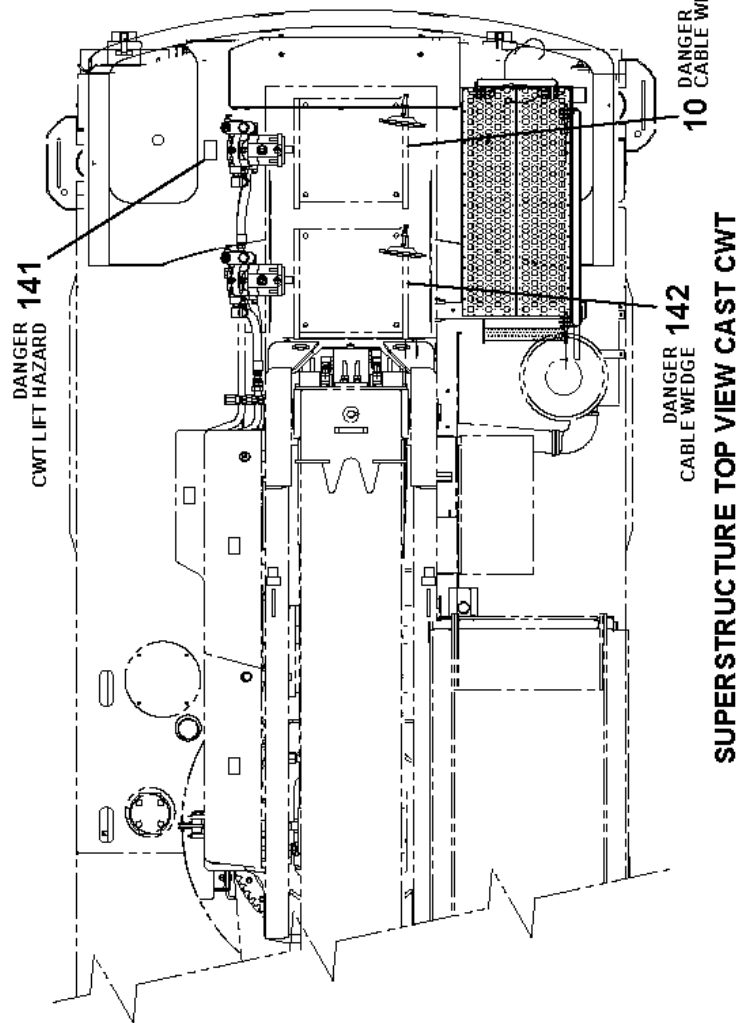
80006903

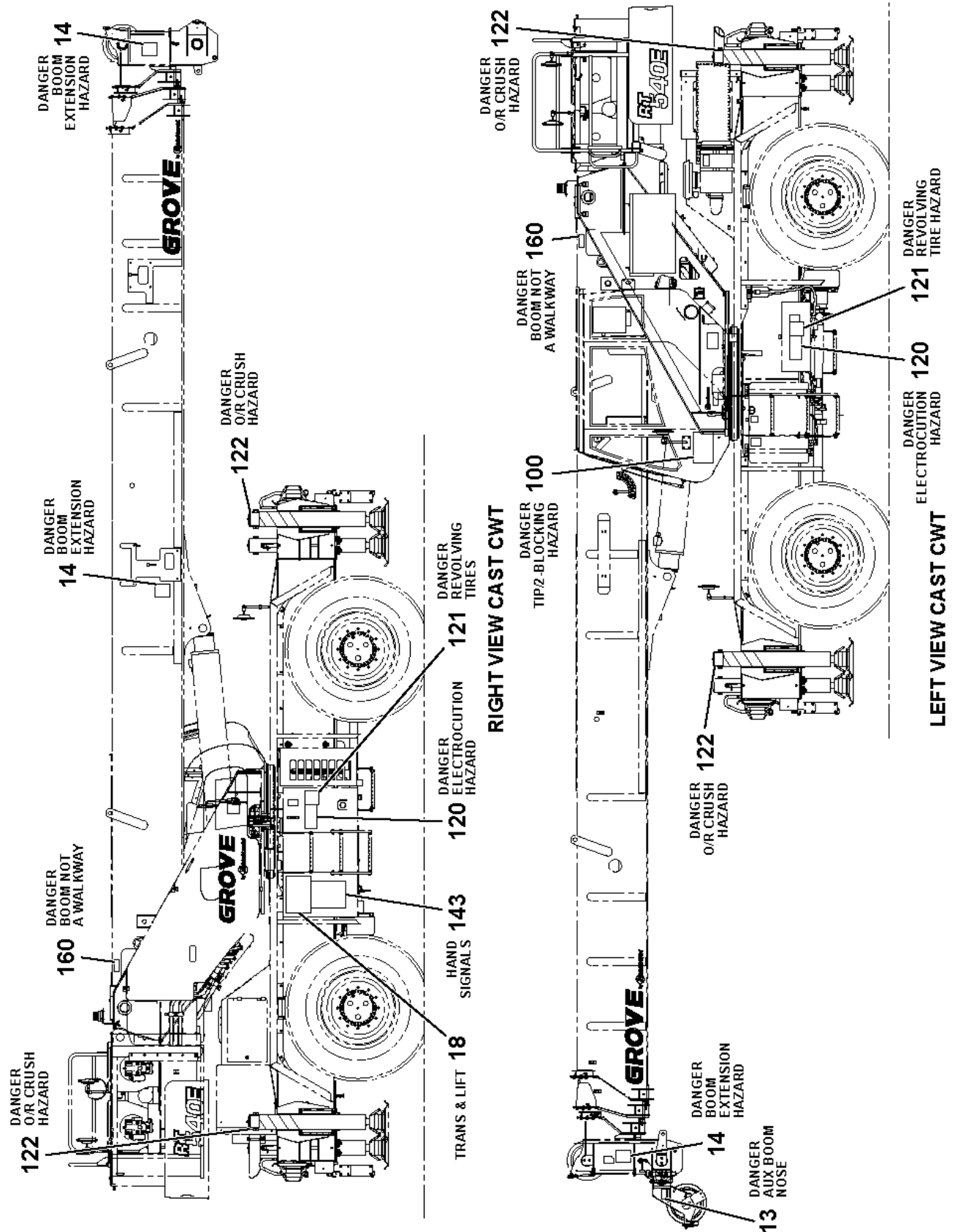
Revision: **A**

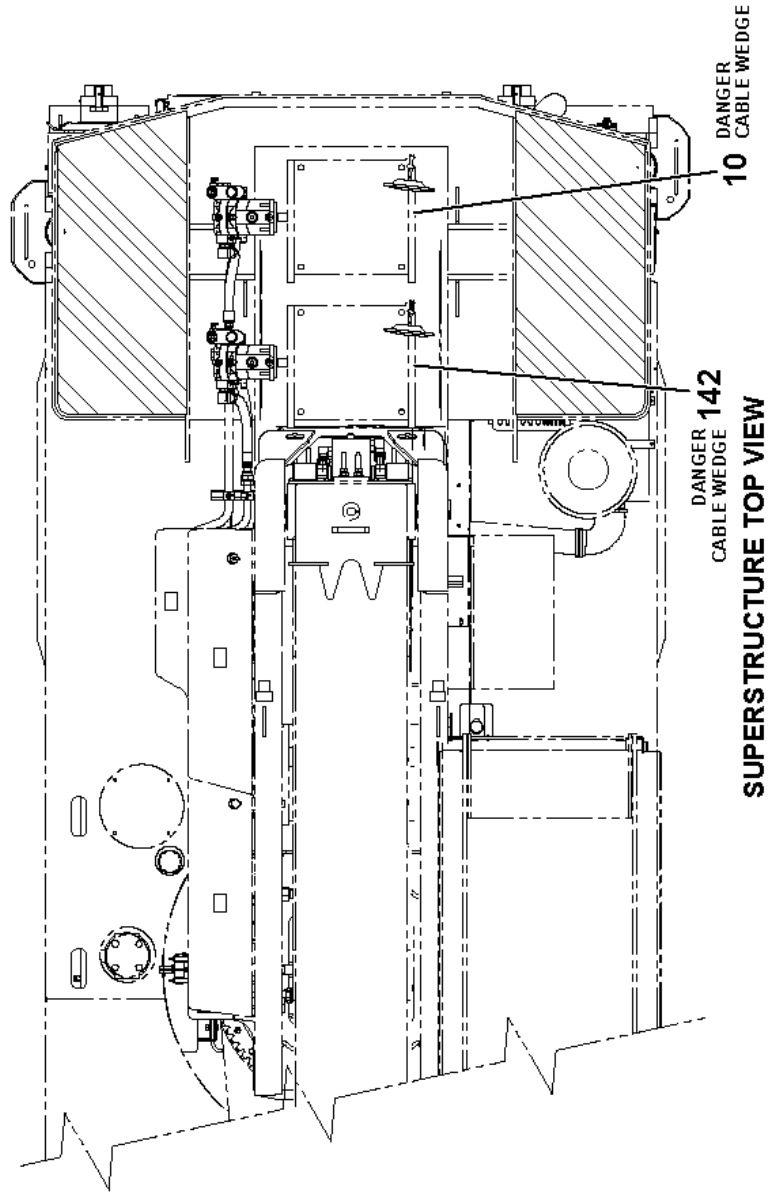
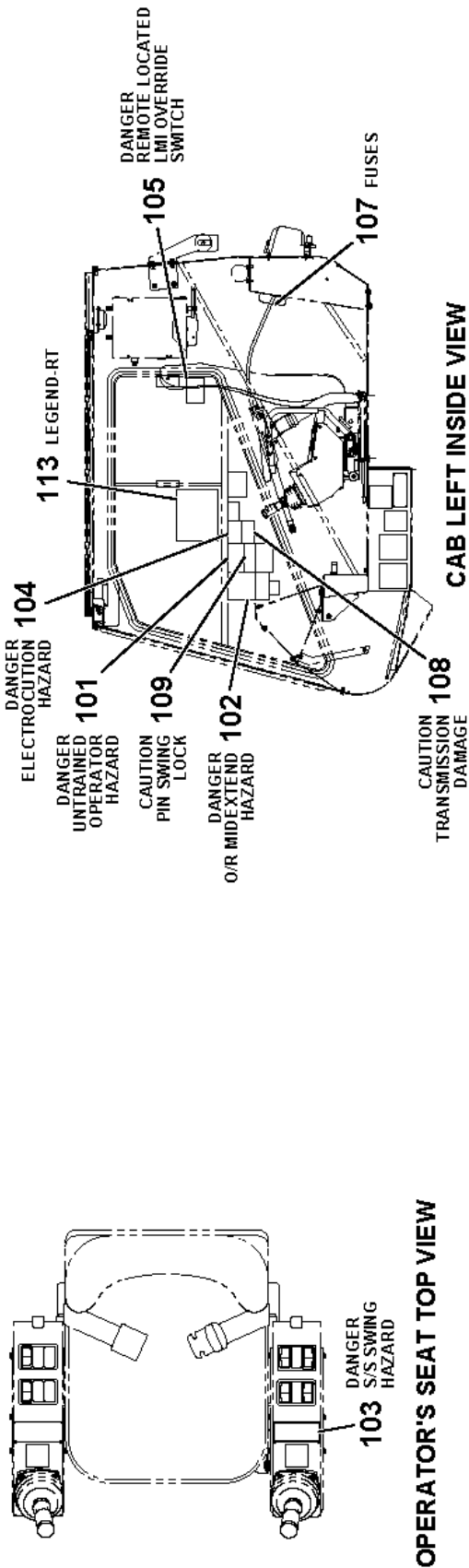
Item	FN	Part	Qty	Description
138		7376102957	1	DECAL - CAUTION MAXIMUM FILL RATE (GERMAN)
140		7376100350	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (GERMAN)
141		7376100588	4	DECAL - DANGER COUNTERWEIGHT LIFT (GERMAN)
142		7376100556	1	DECAL - DANGER CABLE WEDGE (GERMAN)
143		7376101560	1	DECAL - HAND SIGNALS (GERMAN)
160		7376100362	2	DECAL - DANGER BOOM NOT WALKWAY (GERMAN)
163		80005884	1	DECAL-DNGR-LMI OVERRIDE KEY (GERMAN)

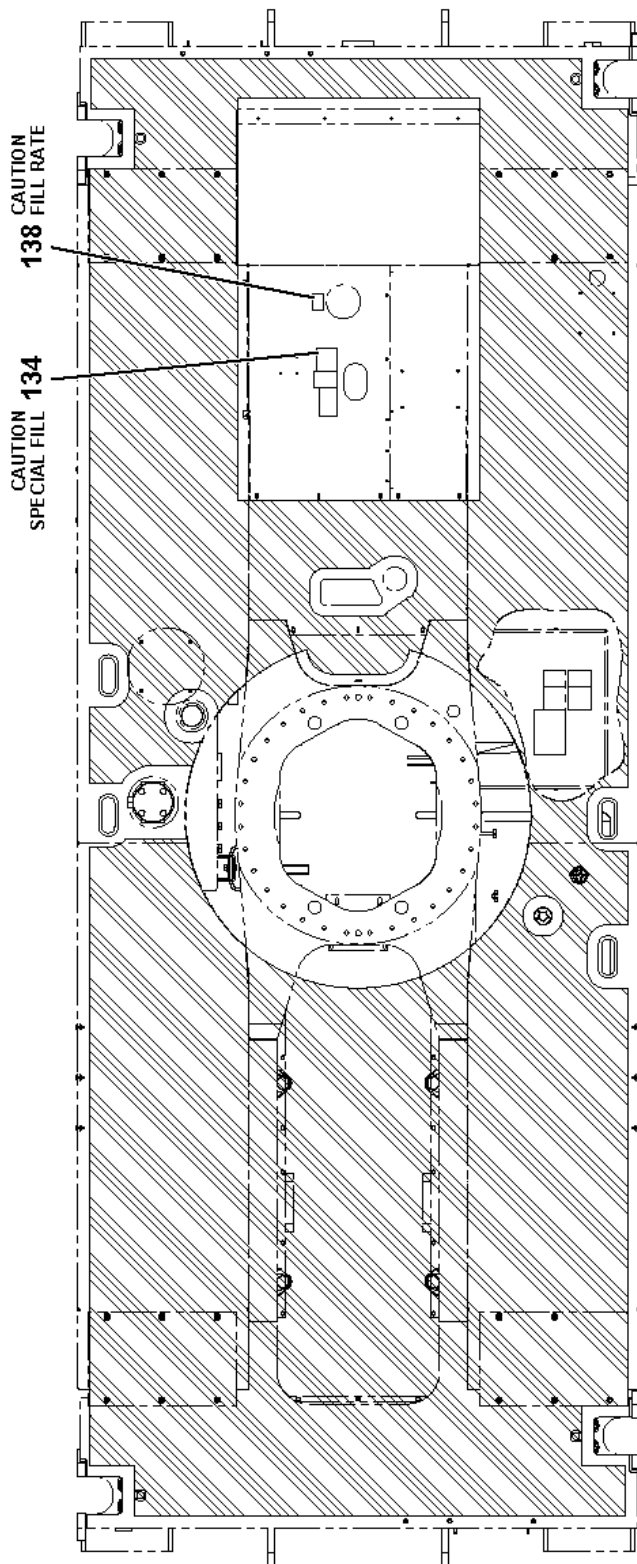
Manitowoc Cranes

Notes

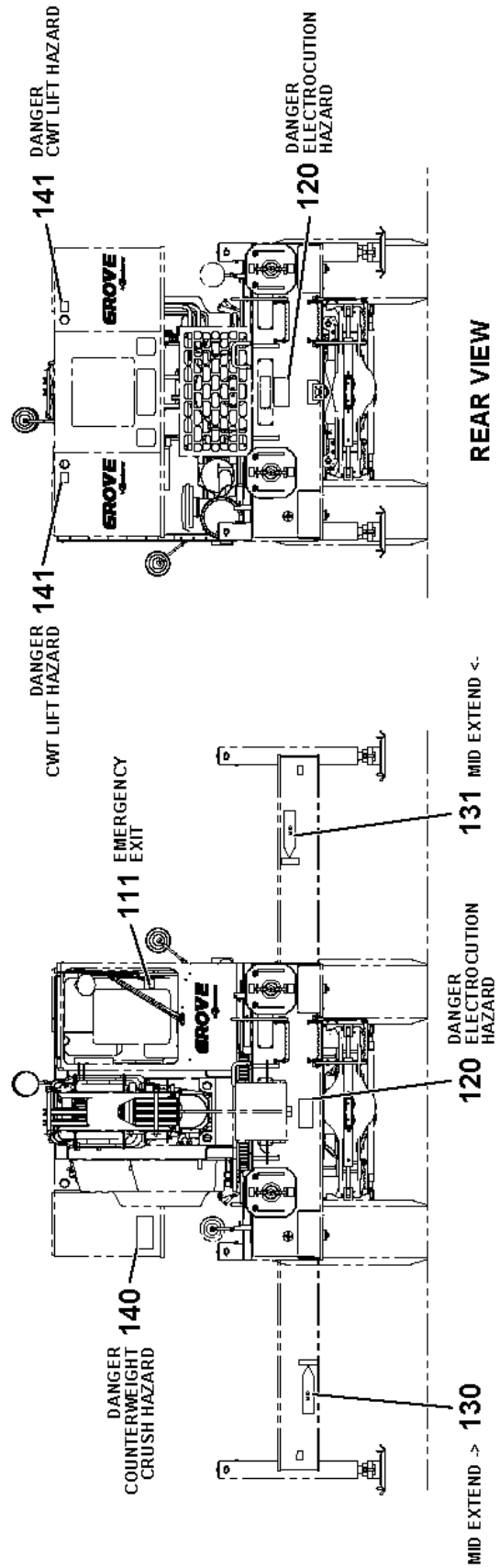




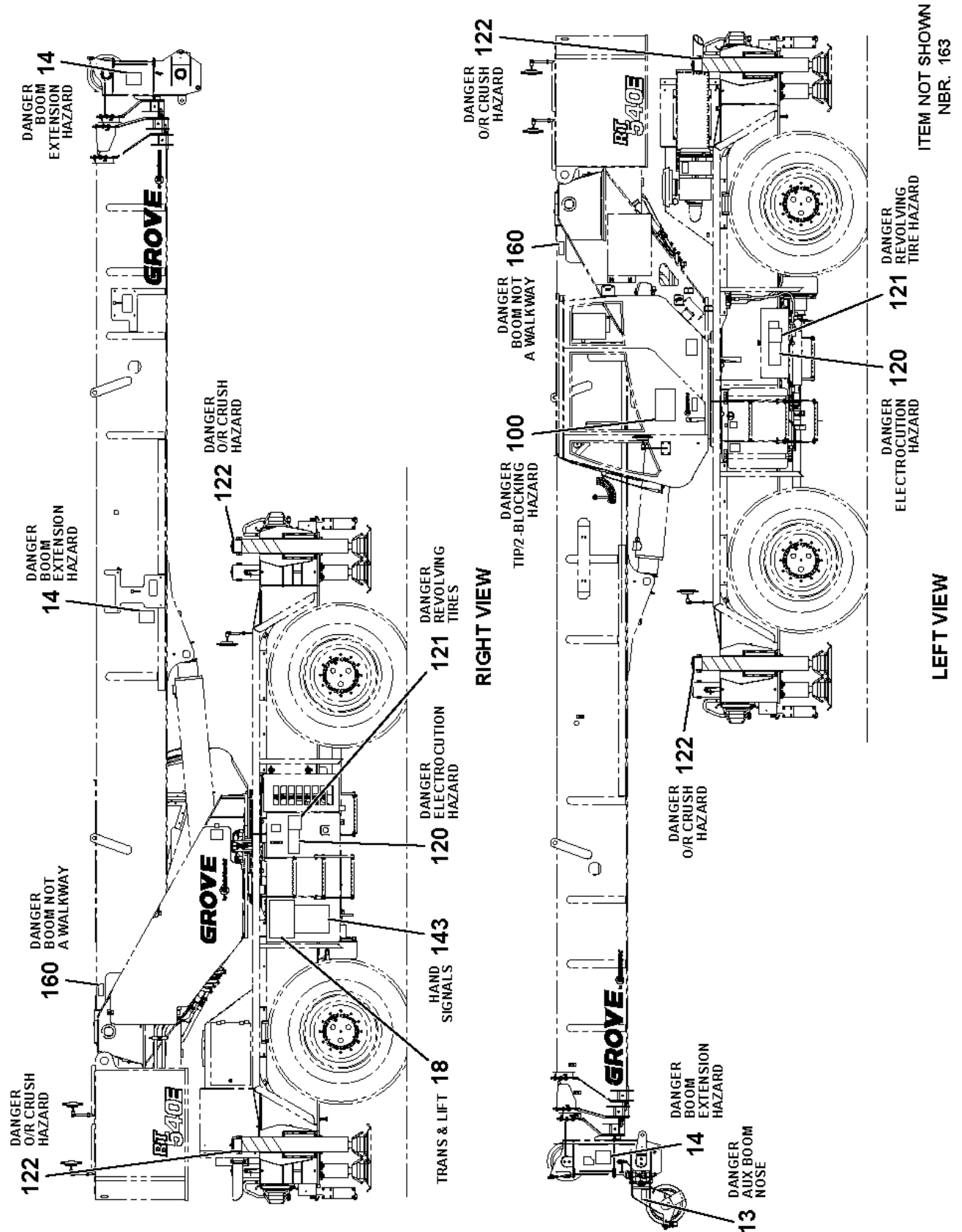




TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (DANISH)

Assembly No.

80006904

Revision: **A**

Item	FN	Part	Qty	Description
10		7376100553	1	DECAL - DANGER CABLE WEDGE (DANISH)
13		7376100385	2	DECAL - DANGER AUXILIARY BOOM NOSE (DANISH)
14		7376101905	3	DECAL - DANGER BOOM EXTENSION HAZARD (DANISH)
18		7376102796	1	DECAL - TRANSPORTATION AND LIFTING DATA (DANISH)
100		7376100609	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (DANISH)
101		7376102770	1	DECAL - DANGER UNTRAINED OPERATOR (DANISH)
102		7376100393	1	DECAL - DANGER OUTRIGGER MID EXTENSION (DANISH)
103		7376100561	1	DECAL - DANGER SUPERSTRUCTURE SWING (DANISH)
104		7376101894	1	DECAL - DANGER ELECTROCUTION HAZARD (DANISH)
105		80005874	1	DECAL-DGR-REM LMI OVRDE KEY (DANISH)
107		7376102809	1	DECAL - FUSES (DANISH)
108		7376102557	1	DECAL - CAUTION TRANSMISSION DAMAGE (DANISH)
109		7376100481	1	DECAL - CAUTION PIN SWING LOCK (DANISH)
111		7376100433	1	DECAL - EMERGENCY EXIT (DANISH)
113		7376102927	1	DECAL - SYMBOL ID (DANISH)
120		7376100355	4	DECAL - DANGER ELECTROCUTION HAZARD (DANISH)
121		7376100401	2	DECAL - DANGER REVOLVING TIRES (DANISH)
122		7376100449	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (DANISH)
130		7376100417	4	DECAL - MID-EXTEND OUTRIGGERS > (DANISH)
131		7376100425	4	DECAL - MID-EXTEND OUTRIGGERS < (DANISH)
134		7376102582	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (DANISH)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (DANISH)

Assembly No.

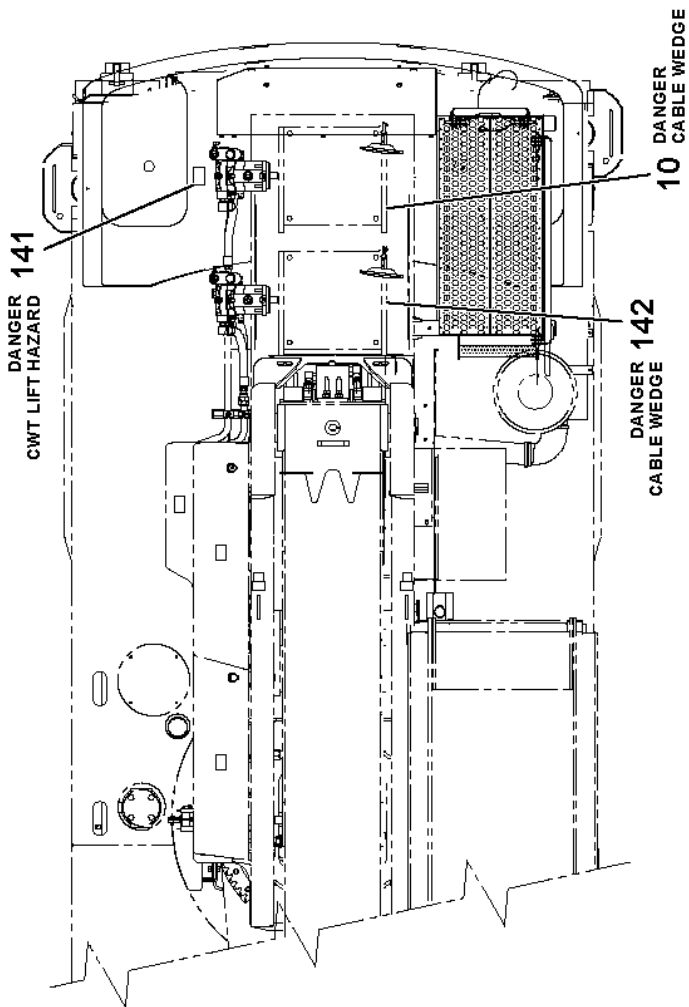
80006904

Revision: **A**

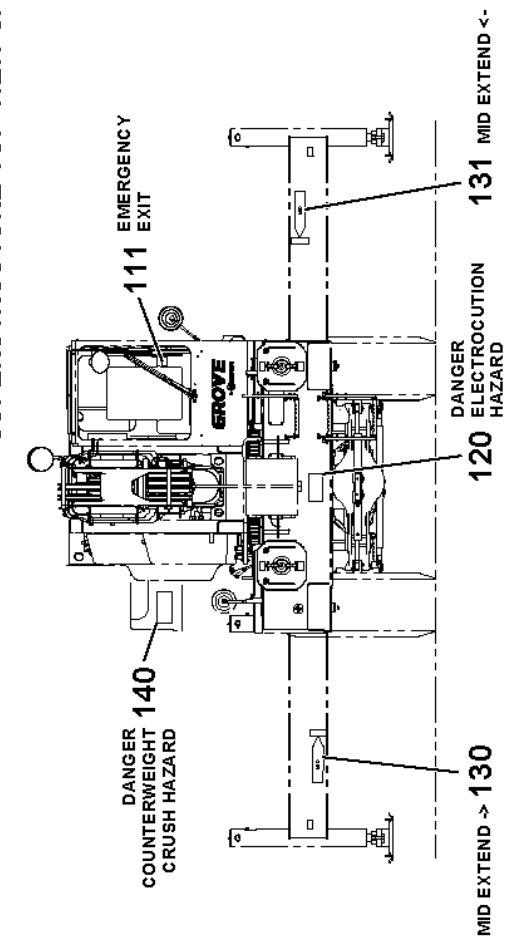
Item	FN	Part	Qty	Description
138		7376102958	1	DECAL - CAUTION MAXIMUM FILL RATE (DANISH)
140		7376100348	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (DANISH)
141		7376100585	4	DECAL - DANGER COUNTERWEIGHT LIFT (DANISH)
142		7376100553	1	DECAL - DANGER CABLE WEDGE (DANISH)
143		7376101561	1	DECAL - HAND SIGNALS (DANISH)
160		7376100359	2	DECAL - DANGER BOOM NOT WALKWAY (DANISH)
163		80005885	1	DECAL-DNGR-LMI OVERRIDE KEY (DANISH)

Manitowoc Cranes

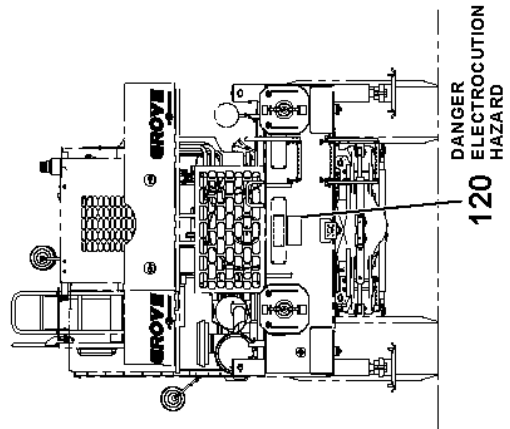
Notes



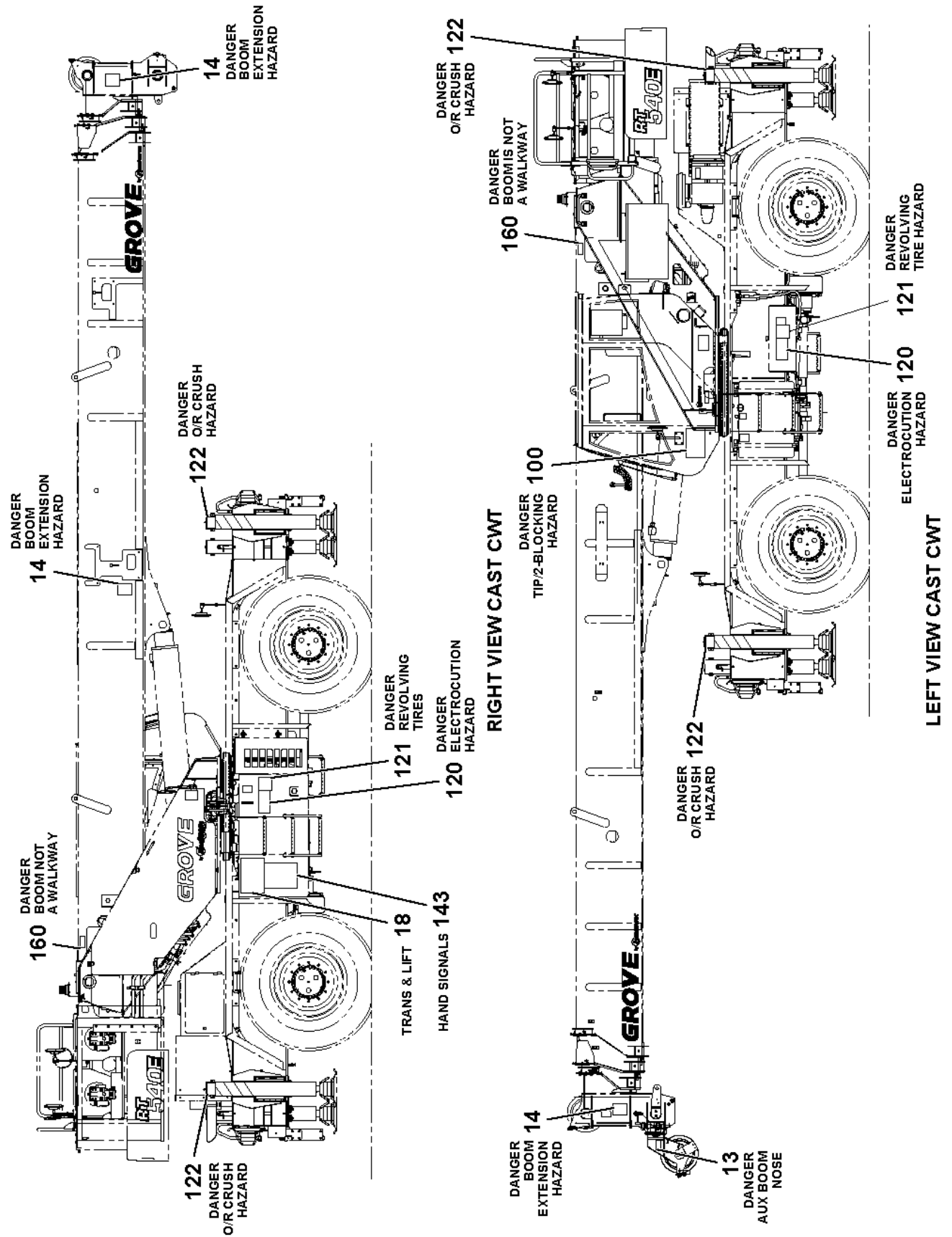
SUPERSTRUCTURE TOP VIEW CAST CWT

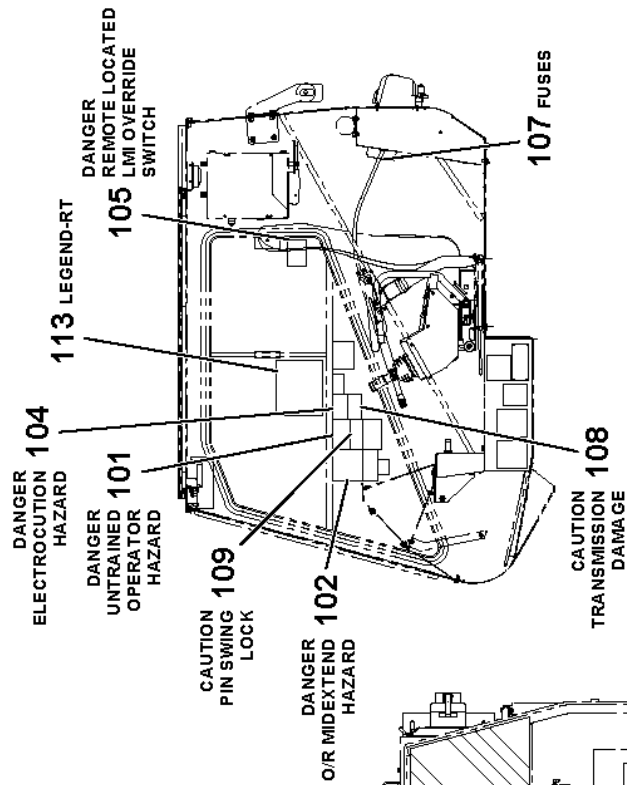


FRONT VIEW CAST CWT

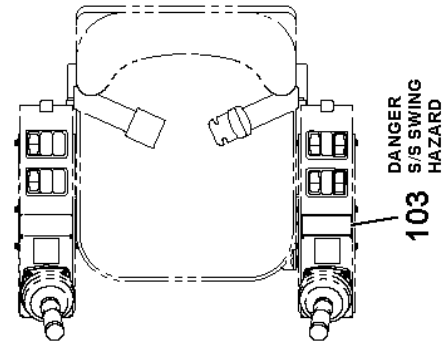


REAR VIEW CAST CWT

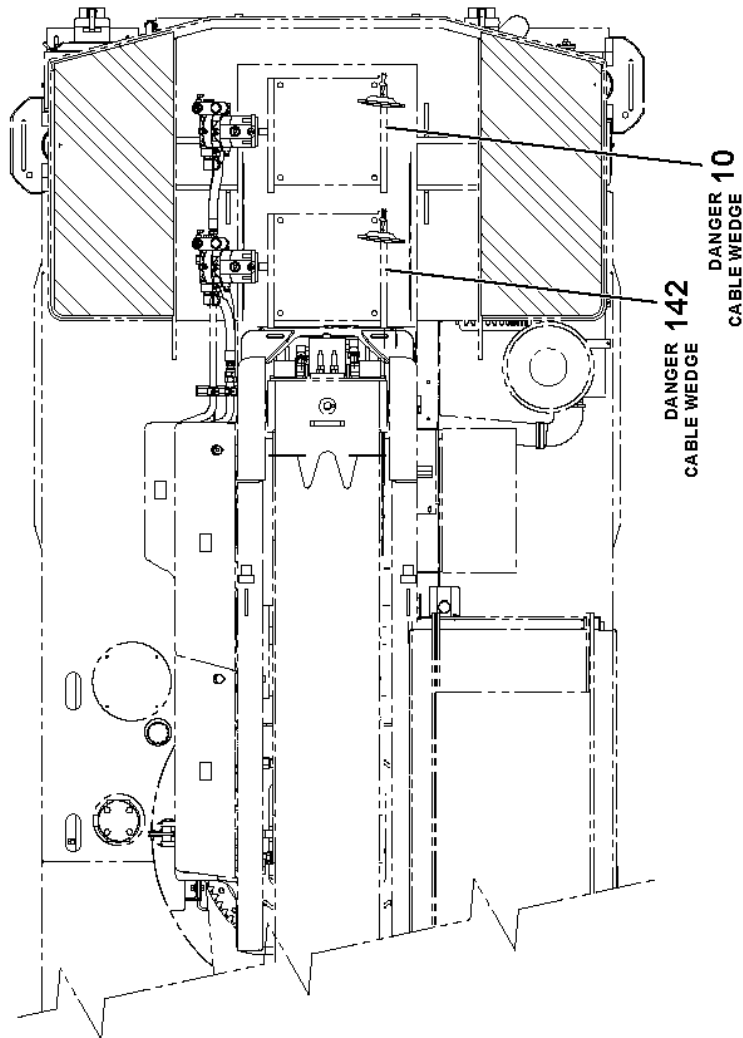




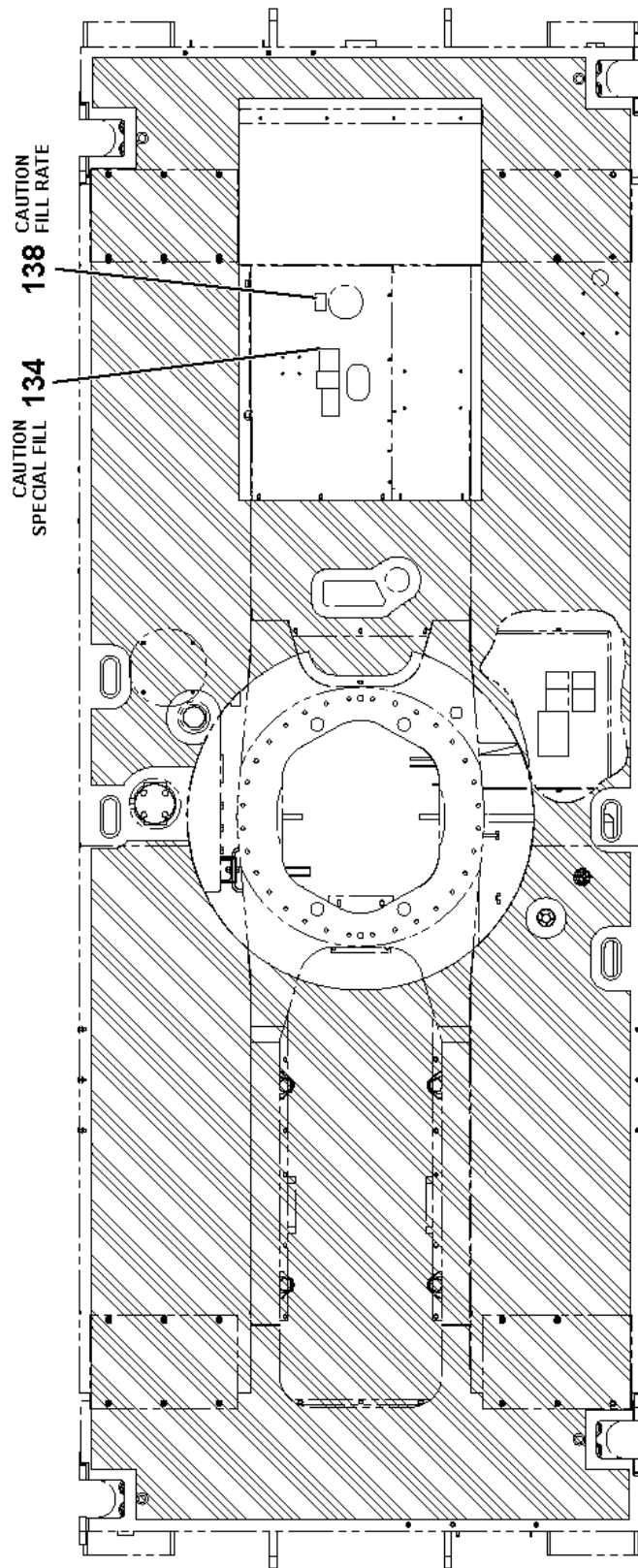
CAB LEFT INSIDE VIEW



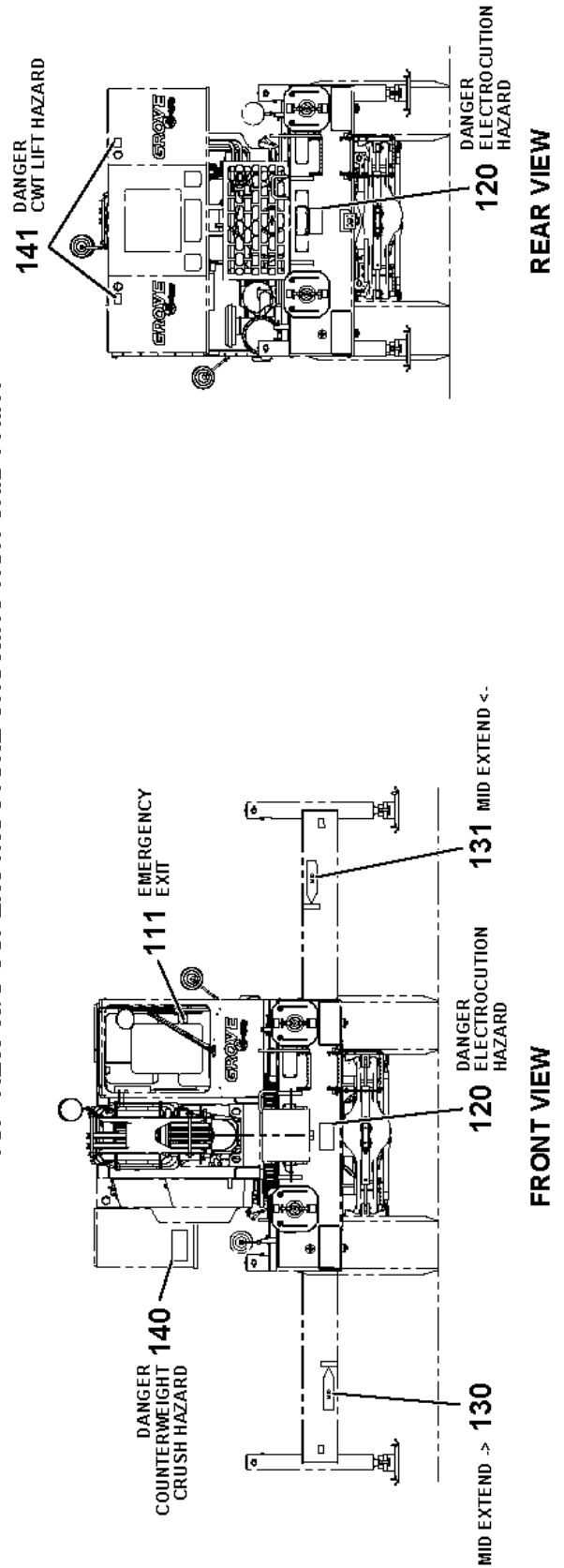
OPERATOR'S SEAT TOP VIEW



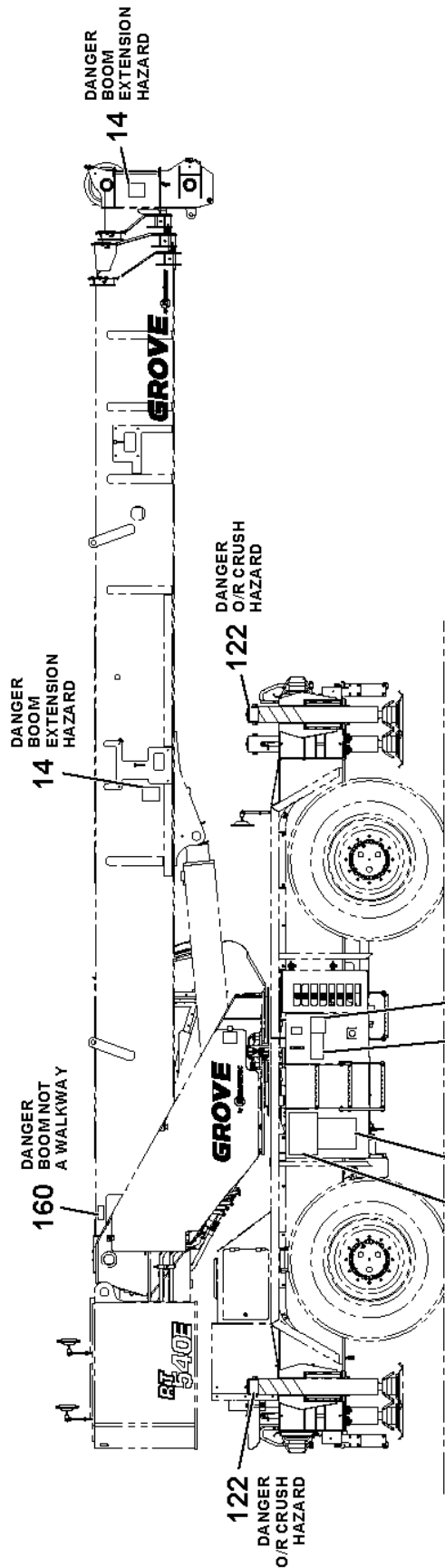
SUPERSTRUCTURE TOP VIEW



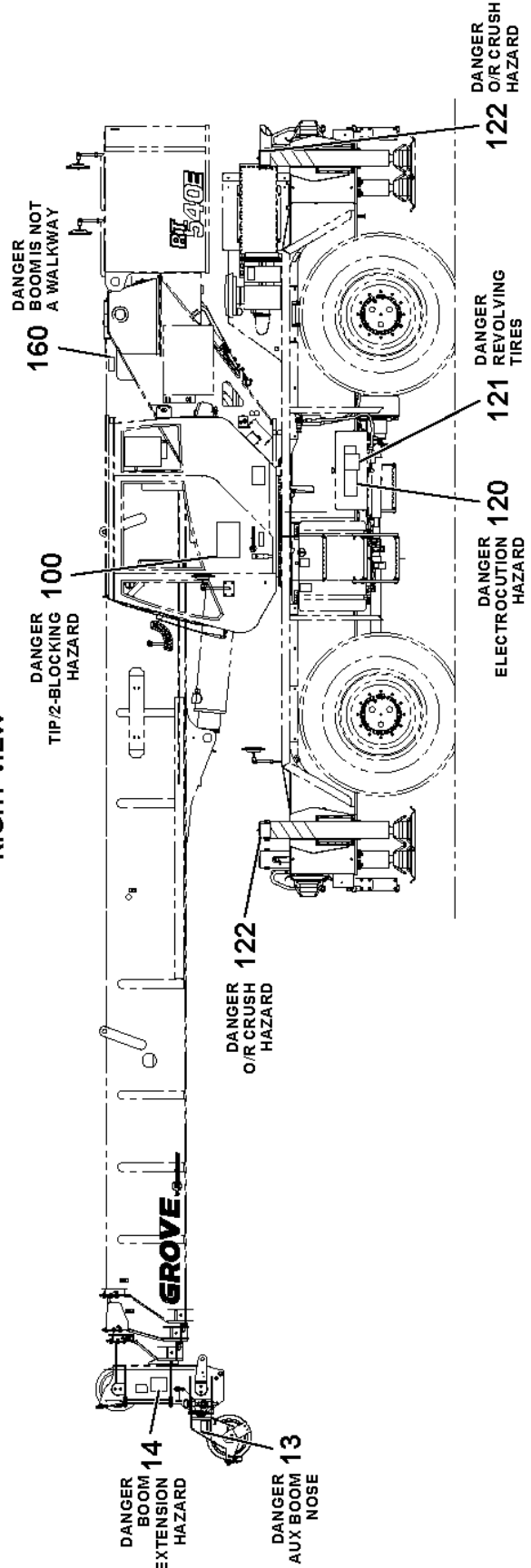
TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



RIGHT VIEW



LEFT VIEW

ITEM NOT SHOWN
NBR. 163

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (SPANISH)

Assembly No.

80006905

Revision: **A**

Item	FN	Part	Qty	Description
10		7376100554	1	DECAL - DANGER CABLE WEDGE (SPANISH)
13		7376100386	2	DECAL - DANGER AUXILIARY BOOM NOSE (SPANISH)
14		7376101875	3	DECAL - DANGER BOOM EXTENSION HAZARD (SPANISH)
18		7376102797	1	DECAL - TRANSPORTATION AND LIFTING DATA (SPANISH)
100		7376100610	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (SPANISH)
101		7376100442	1	DECAL - DANGER QUALIFIED OPERATOR (SPANISH)
102		7376100394	1	DECAL - DANGER OUTRIGGER MID EXTENSION (SPANISH)
103		7376100562	1	DECAL - DANGER SUPERSTRUCTURE SWING (SPANISH)
104		7376101867	1	DECAL - DANGER ELECTROCUTION HAZARD (SPANISH)
105		80005875	1	DECAL-DANGER REMOVE LMI OVERRIDE KEY (SPANISH)
107		7376102810	1	DECAL - FUSES (SPANISH)
108		7376102558	1	DECAL - CAUTION TRANSMISSION DAMAGE (SPANISH)
109		7376100482	1	DECAL - CAUTION PIN SWING LOCK (SPANISH)
111		7376100434	1	DECAL - EMERGENCY EXIT (SPANISH)
113		7376102928	1	DECAL - SYMBOL ID (SPANISH)
120		7376100634	4	DECAL - DANGER ELECTROCUTION HAZARD (SPANISH)
121		7376100402	2	DECAL - DANGER REVOLVING TIRES (SPANISH)
122		7376100450	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (SPANISH)
130		7376100418	4	DECAL - MID-EXTEND OUTRIGGERS > (SPANISH)
131		7376100426	4	DECAL - MID-EXTEND OUTRIGGERS < (SPANISH)
134		7376102534	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (SPANISH)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (SPANISH)

Assembly No.

80006905

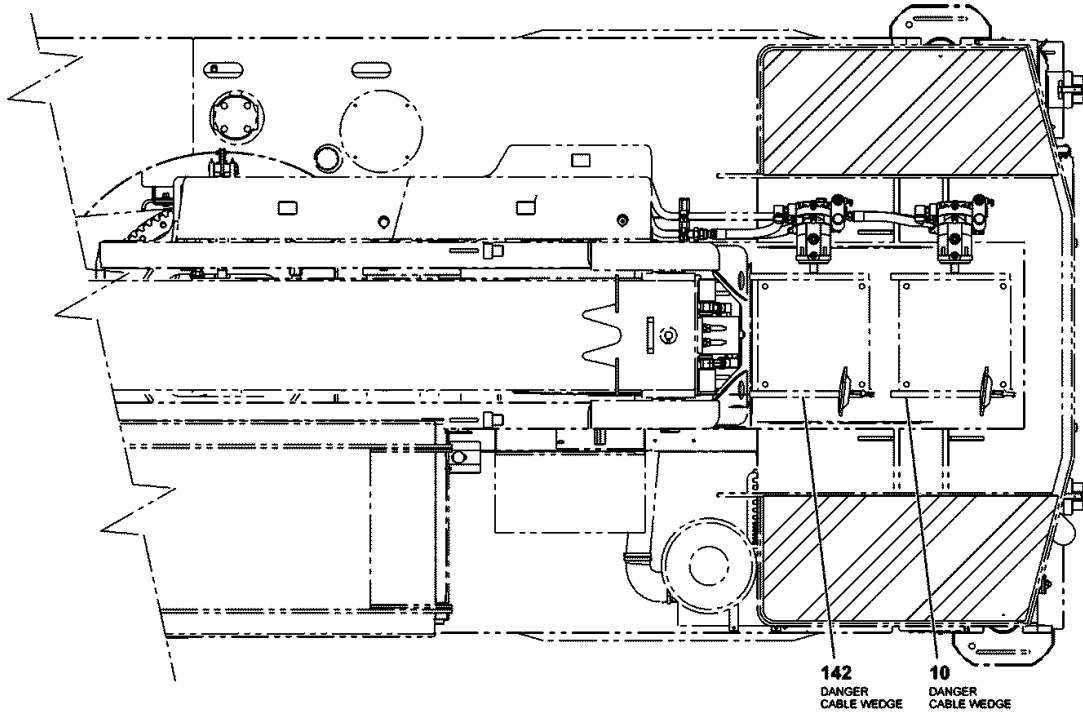
Revision: **A**

Item	FN	Part	Qty	Description
138		7376102959	1	DECAL - CAUTION MAXIMUM FILL RATE (SPANISH)
140		7376100349	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (SPANISH)
141		7376100586	4	DECAL - DANGER COUNTERWEIGHT LIFT (SPANISH)
142		7376100554	1	DECAL - DANGER CABLE WEDGE (SPANISH)
143		7376101562	1	DECAL - HAND SIGNALS (SPANISH)
160		7376100360	2	DECAL - DANGER BOOM NOT WALKWAY (SPANISH)
163		80005886	1	DECAL-DANGER REMOVE LMI OVERRIDE KEY (SPANISH)

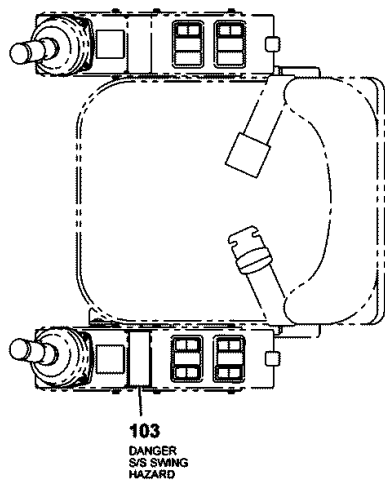
Manitowoc Cranes

Notes

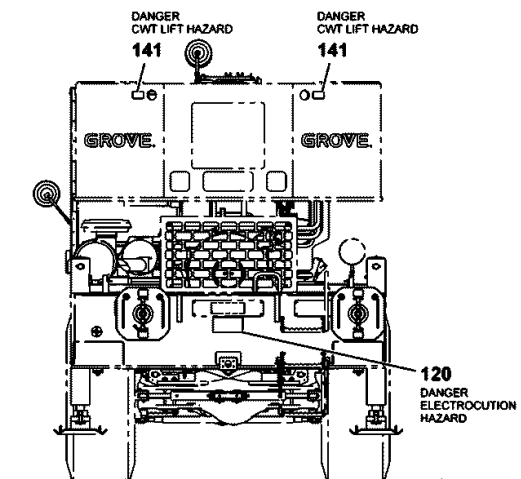
Manitowoc Cranes



SUPERSTRUCTURE TOP VIEW

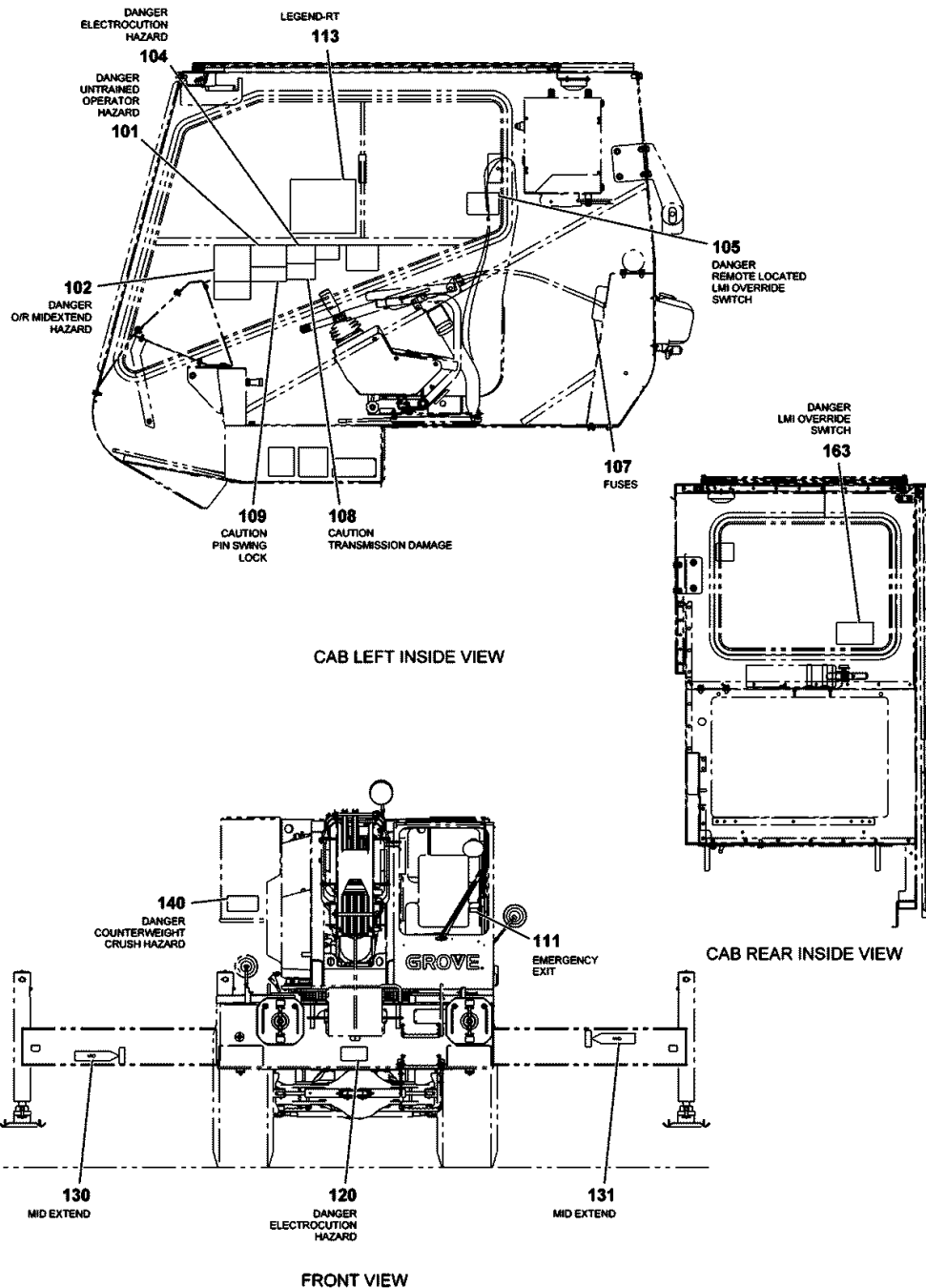


OPERATOR'S SEAT TOP VIEW



REAR VIEW

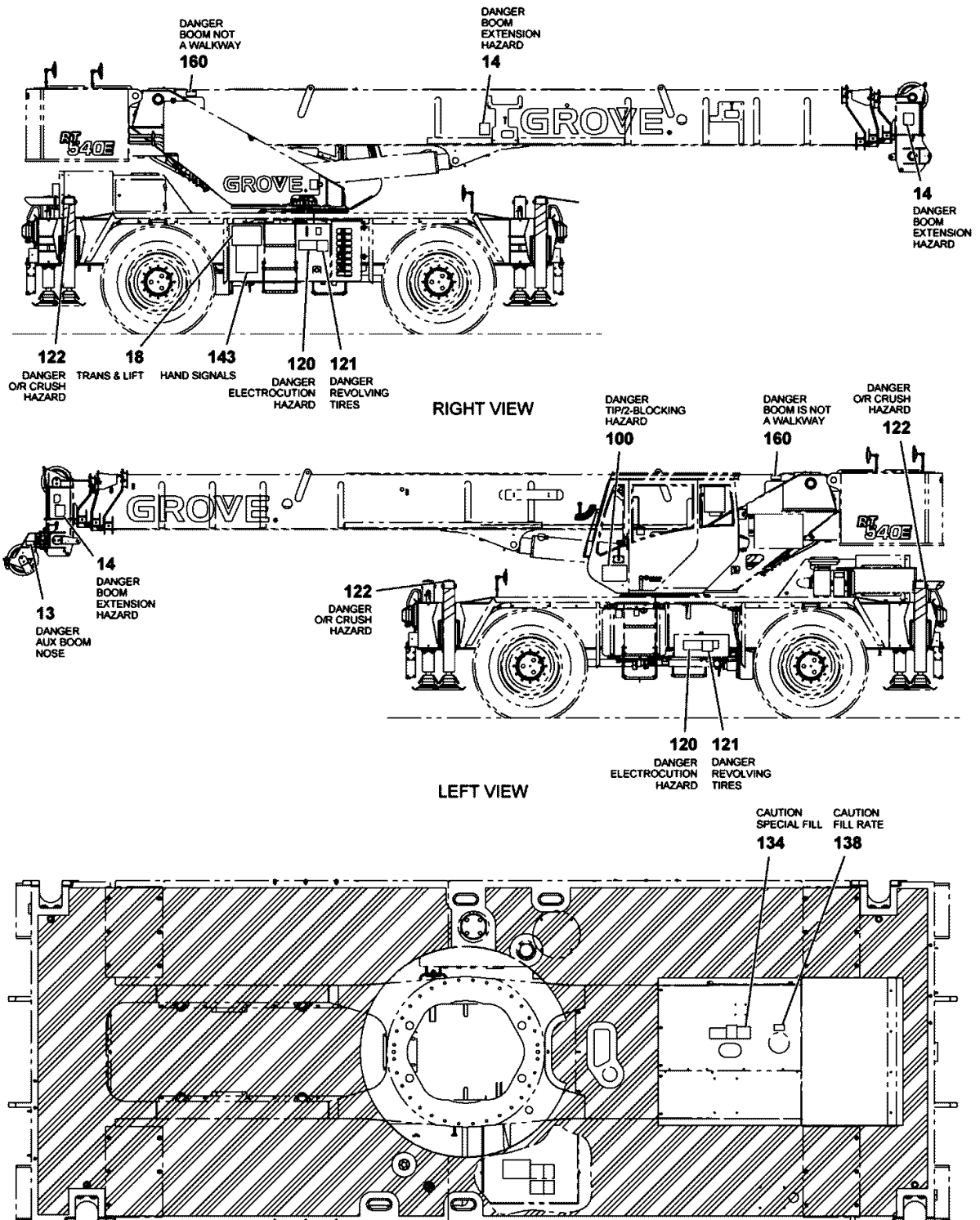
Manitowoc Cranes



80006906

(SHEET 2 OF 3)

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION-RT535/RT540E (FRENCH)

Assembly No.

80006906

Revision: **A**

Item	FN	Part	Qty	Description
10		7376100555	1	DECAL - DANGER CABLE WEDGE (FRENCH)
13		7376100387	2	DECAL - DANGER AUXILIARY BOOM NOSE (FRENCH)
14		7376101876	3	DECAL - DANGER BOOM EXTENSION HAZARD (FRENCH)
18		7376102798	1	DECAL - TRANSPORTATION AND LIFTING DATA (FRENCH)
100		7376100611	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (FRENCH)
101		7376007167	1	DECAL - DANGER UNTRAINED OPERATOR (FRENCH)
102		7376100395	1	DECAL - DANGER OUTRIGGER MID EXTENSION (FRENCH)
103		7376100563	1	DECAL - DANGER SUPERSTRUCTURE SWING (FRENCH)
104		7376101868	1	DECAL - DANGER ELECTROCUTION HAZARD (FRENCH)
105		80005876	1	DECAL-DANGER REMOVE LMI OVERRIDE KEY
107		7376102811	1	DECAL - FUSES (FRENCH)
108		7376102545	1	DECAL - CAUTION TRANSMISSION DAMAGE (FRENCH)
109		7376100483	1	DECAL - CAUTION PIN SWING LOCK (FRENCH)
111		7376100435	1	DECAL - EMERGENCY EXIT (FRENCH)
113		7376102929	1	DECAL - SYMBOL ID (FRENCH)
120		7376100635	4	DECAL - DANGER ELECTROCUTION HAZARD (FRENCH)
121		7376100403	2	DECAL - DANGER REVOLVING TIRES (FRENCH)
122		7376100451	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (FRENCH)
130		7376100419	4	DECAL - MID-EXTEND OUTRIGGERS > (FRENCH)
131		7376100427	4	DECAL - MID-EXTEND OUTRIGGERS < (FRENCH)
134		7376102583	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (FRENCH)

Manitowoc Cranes

Description

DECAL INSTALLATION-RT535/RT540E (FRENCH)

Assembly No.

80006906

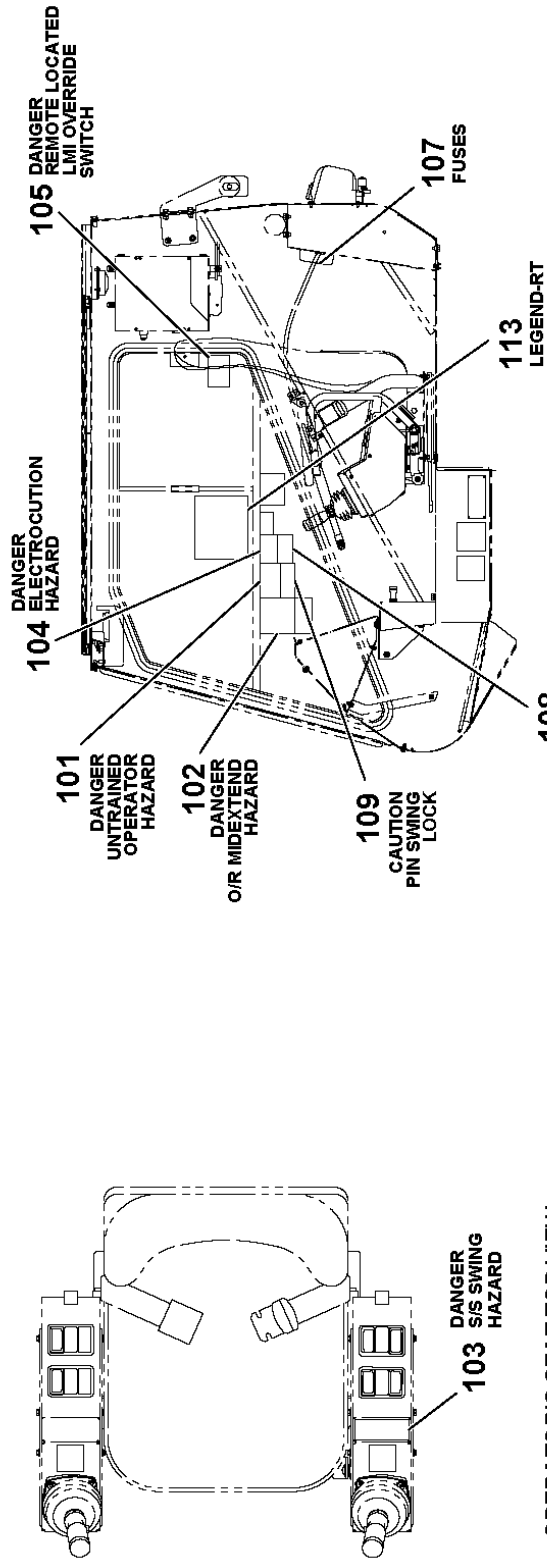
Revision: **A**

Item	FN	Part	Qty	Description
138		7376102960	1	DECAL - CAUTION MAXIMUM FILL RATE (FRENCH)
140		7376009932	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (FRENCH)
141		7376100587	4	DECAL - DANGER COUNTERWEIGHT LIFT (FRENCH)
142		7376100555	1	DECAL - DANGER CABLE WEDGE (FRENCH)
143		7376101563	1	DECAL - HAND SIGNALS (FRENCH)
160		7376100361	2	DECAL - DANGER BOOM NOT WALKWAY (FRENCH)
163		80005887	1	DECAL-DANGER LMI OVERRIDE KEY

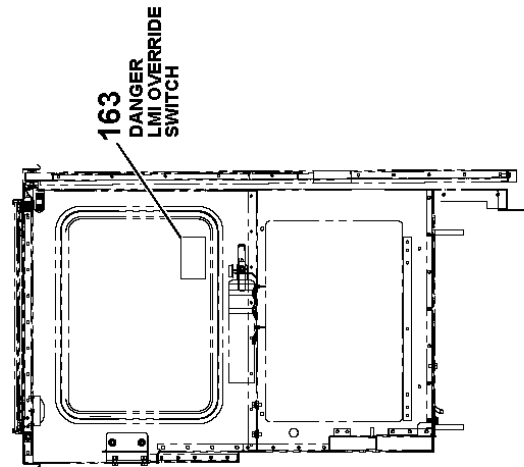
Manitowoc Cranes

Notes

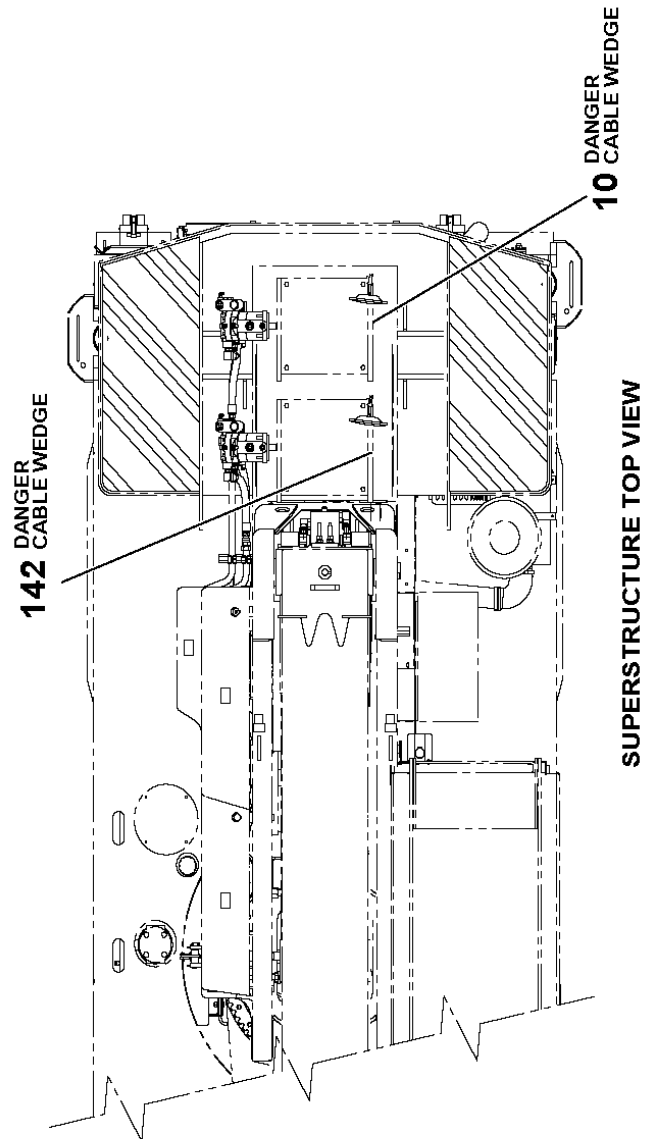
Manitowoc Cranes



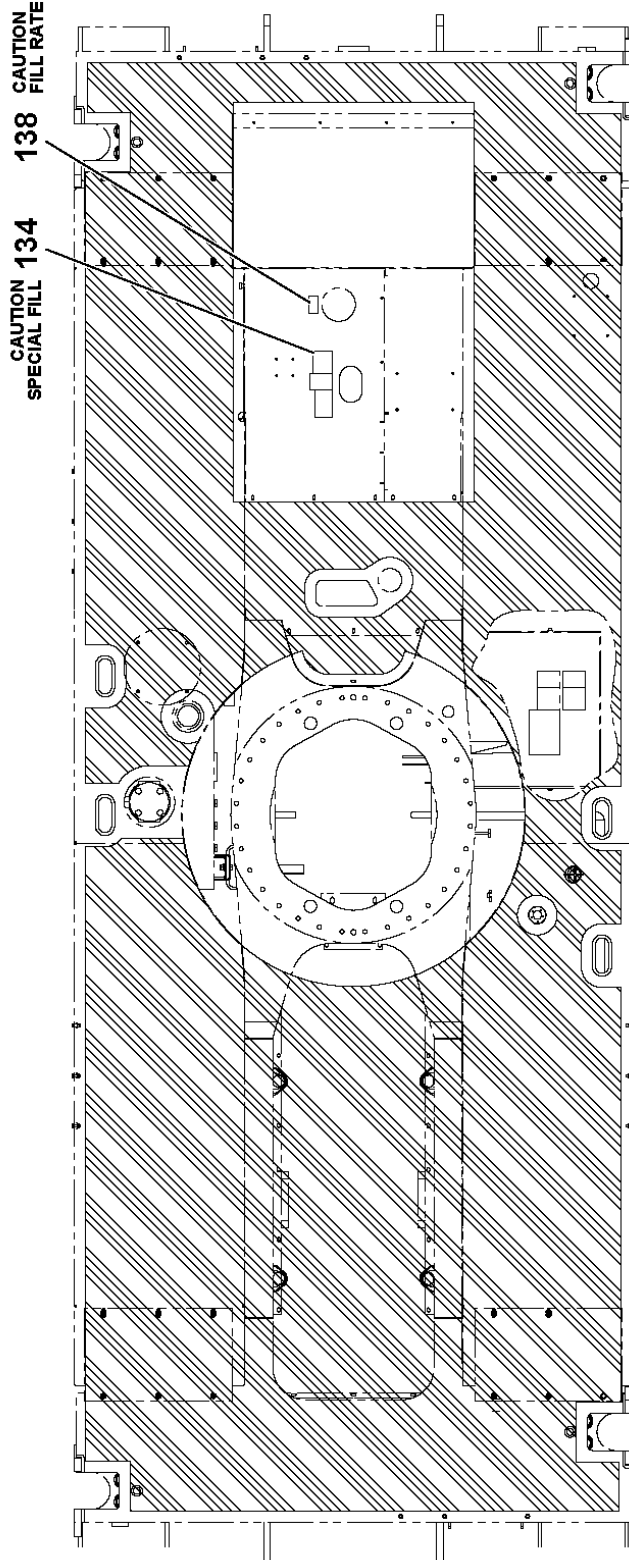
OPERATOR'S SEAT TOP VIEW



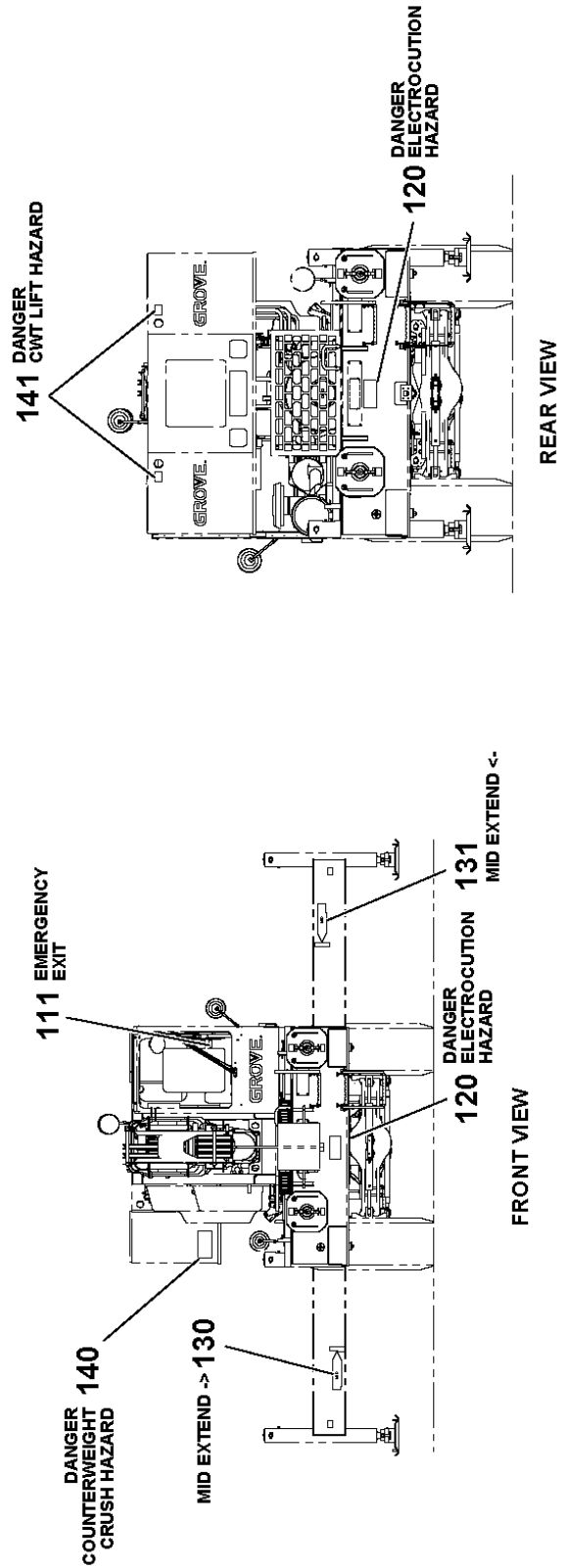
CAB REAR INSIDE VIEW



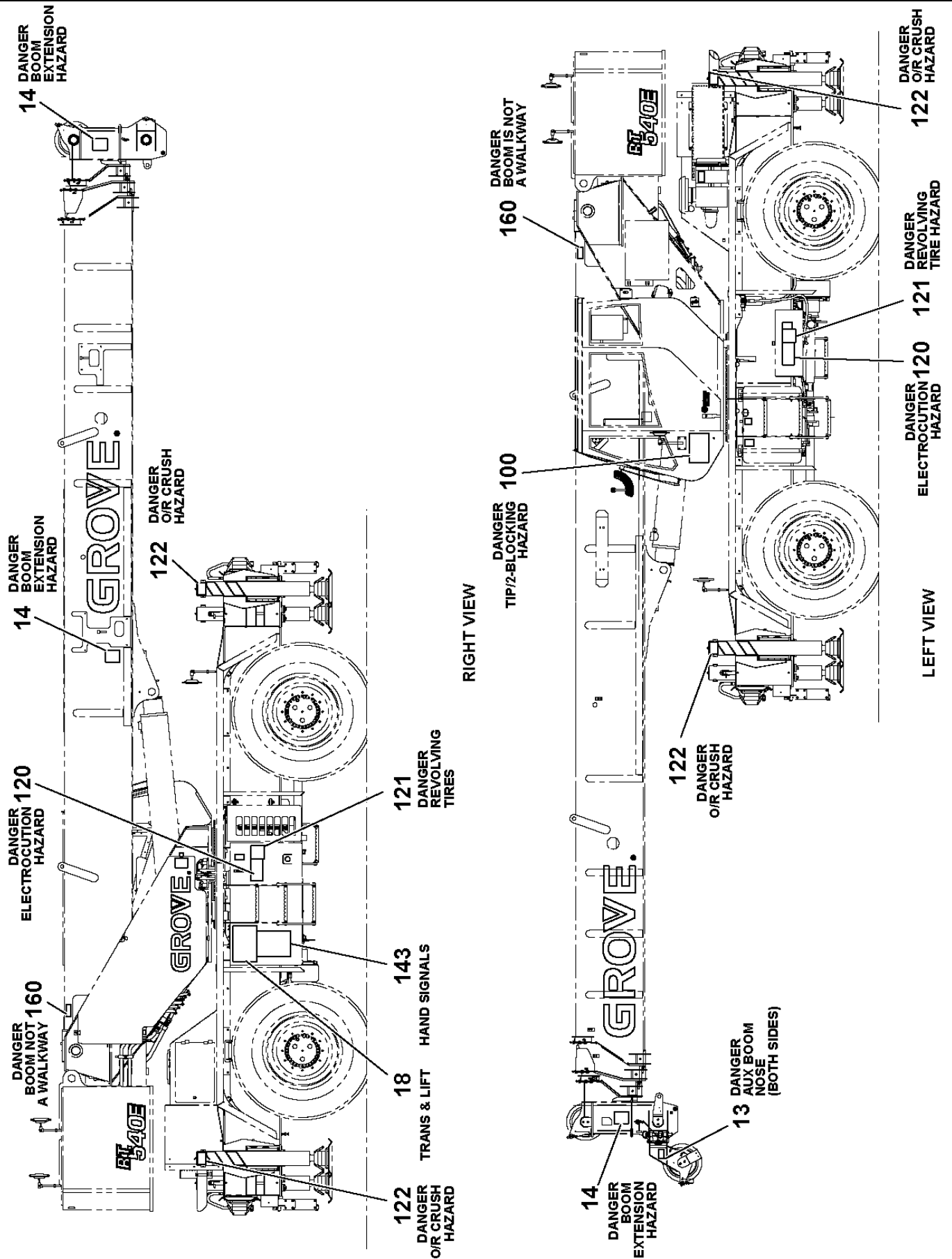
SUPERSTRUCTURE TOP VIEW



TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



80006907

(SHEET 1 OF 3)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (ITALIAN)

Assembly No.

80006907

Revision: **A**

Item	FN	Part	Qty	Description
10		7376102100	1	DECAL - DANGER CABLE WEDGE (ITALIAN)
13		7376102099	2	DECAL - DANGER AUXILIARY BOOM NOSE (ITALIAN)
14		7376102097	3	DECAL - DANGER BOOM EXTENSION HAZARD (ITALIAN)
18		7376102799	1	DECAL - TRANSPORTATION AND LIFTING DATA (ITALIAN)
100		7376102119	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (ITALIAN)
101		7376102611	1	DECAL - DANGER UNTRAINED OPERATOR (ITALIAN)
102		7376102103	1	DECAL - DANGER OUTRIGGER MID EXTENSION (ITALIAN)
103		7376102105	1	DECAL - DANGER SUPERSTRUCTURE SWING (ITALIAN)
104		7376102116	1	DECAL - DANGER ELECTROCUTION HAZARD (ITALIAN)
105		80005877	1	DECAL-DGR-REM LMI OVRDE KEY-IT (ITALIAN)
107		7376102812	1	DECAL - FUSES (ITALIAN)
108		7376102546	1	DECAL - CAUTION TRANSMISSION DAMAGE (ITALIAN)
109		7376102111	1	DECAL - CAUTION PIN SWING LOCK (ITALIAN)
111		7376102113	1	DECAL - EMERGENCY EXIT (ITALIAN)
113		7376102930	1	DECAL - SYMBOL ID (ITALIAN)
120		7376102118	4	DECAL - DANGER ELECTROCUTION HAZARD (ITALIAN)
121		7376102102	2	DECAL - DANGER REVOLVING TIRES (ITALIAN)
122		7376102104	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (ITALIAN)
130		7376102114	4	DECAL - MID-EXTEND OUTRIGGERS > (ITALIAN)
131		7376102115	4	DECAL - MID-EXTEND OUTRIGGERS < (ITALIAN)
134		7376102584	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (ITALIAN)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (ITALIAN)

Assembly No.

80006907

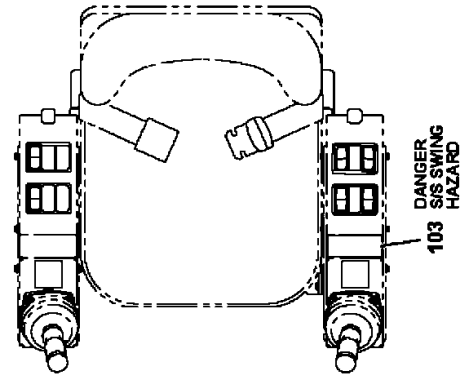
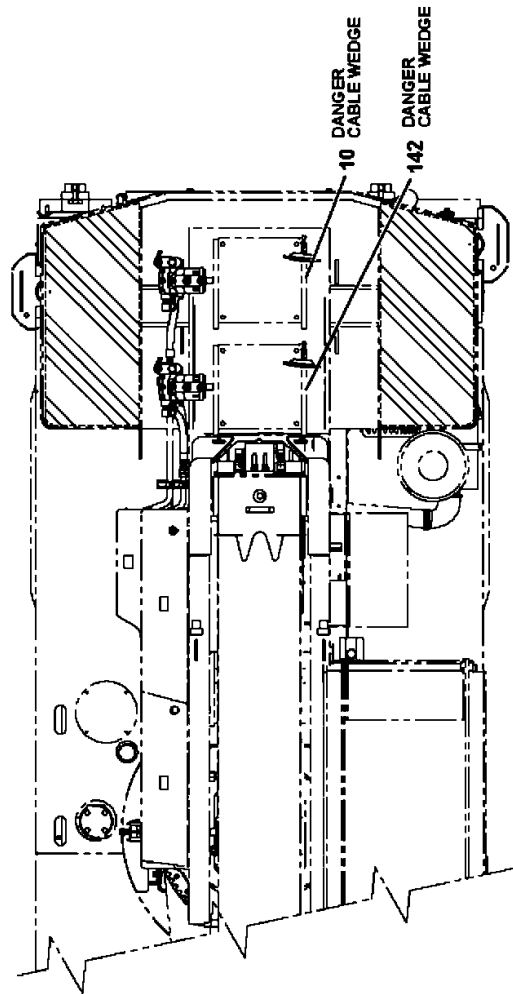
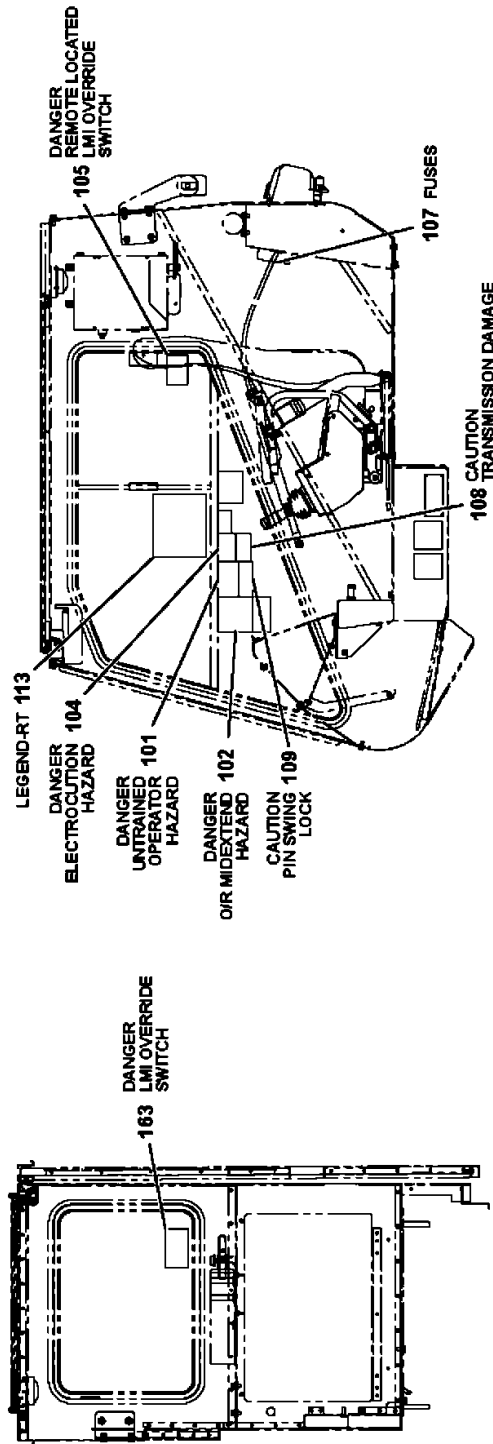
Revision: **A**

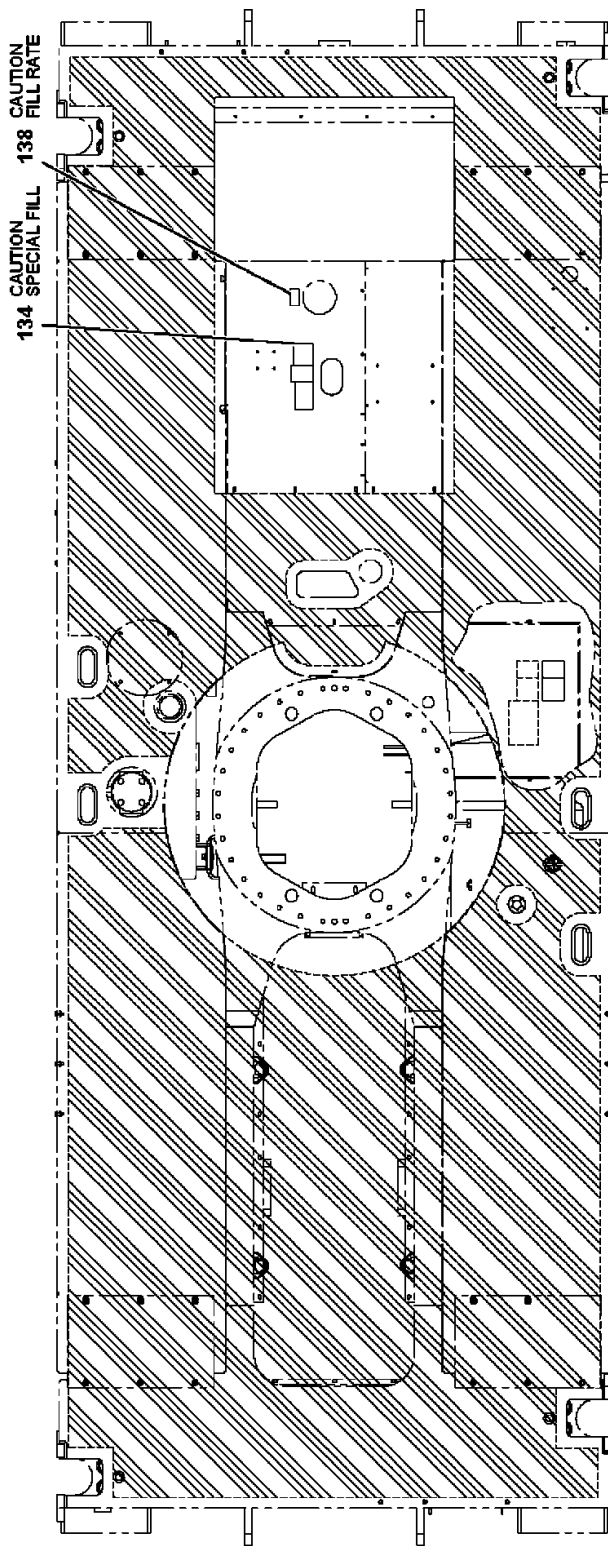
Item	FN	Part	Qty	Description
138		7376102961	1	DECAL - CAUTION MAXIMUM FILL RATE (ITALIAN)
140		7376102101	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (ITALIAN)
141		7376102108	4	DECAL - DANGER COUNTERWEIGHT LIFT (ITALIAN)
142		7376102100	1	DECAL - DANGER CABLE WEDGE (ITALIAN)
143		7376102112	1	DECAL - HAND SIGNALS (ITALIAN)
160		7376102106	2	DECAL - DANGER BOOM NOT WALKWAY (ITALIAN)
163		80005888	1	DECAL-DNGR-LMI OVERRIDE KEY-IT (ITALIAN)

Manitowoc Cranes

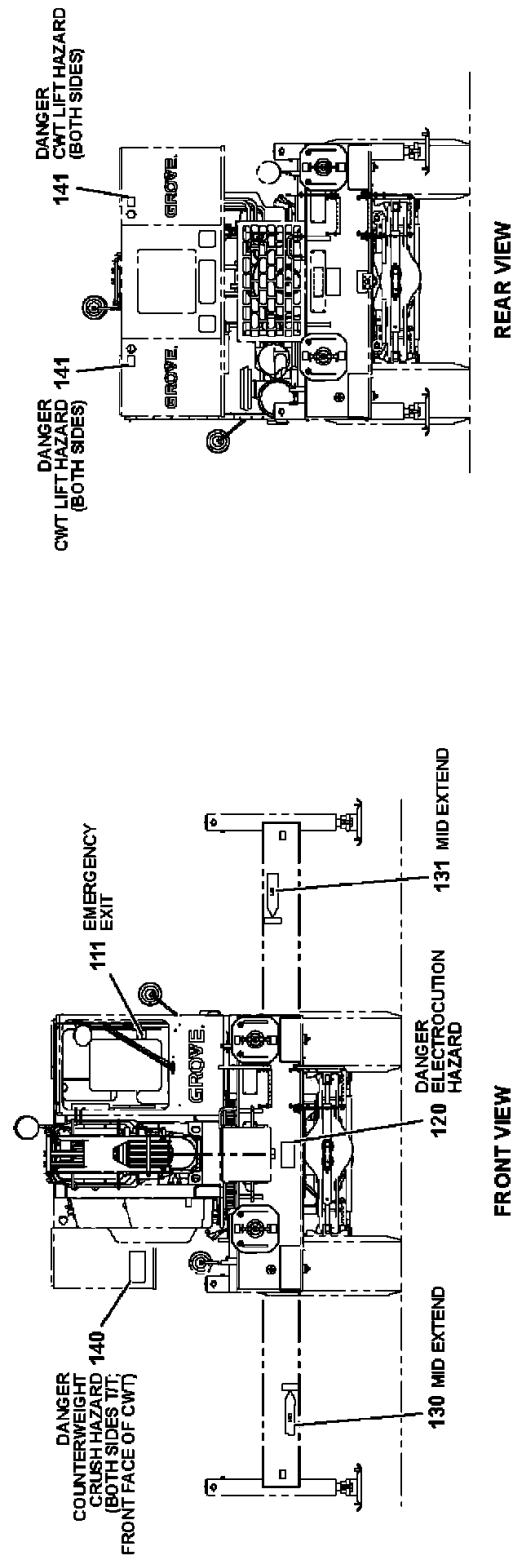
Notes

Manitowoc Cranes





TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



The image contains two technical drawings of a Grove RT40E crane, labeled 'RIGHT VIEW' and 'LEFT VIEW'. Both views show the crane's boom, chassis, and wheels. Safety hazard callouts are present throughout both views, including:

- RIGHT VIEW Callouts:**
 - 122 O/R CRUSH HAZARD (at the boom base)
 - 160 BOOM NOT A WALKWAY (on the boom)
 - 14 DANGER BOOM EXTENSION HAZARD (at the boom tip)
 - 122 O/R CRUSH HAZARD (at the rear of the chassis)
 - 121 REVOLVING TIRES (on the rear wheels)
 - 120 DANGER ELECTROCUTION HAZARD (near the rear wheels)
 - TRANS & LIFT 18 HAND SIGNALS 143 (pointing to the operator's area)
- LEFT VIEW Callouts:**
 - 122 O/R CRUSH HAZARD (at the boom base)
 - 100 DANGER TIP/2-BLOCKING HAZARD (on the boom)
 - 160 BOOM NOT A WALKWAY (on the boom)
 - 14 DANGER BOOM EXTENSION HAZARD (at the boom tip)
 - 122 O/R CRUSH HAZARD (at the rear of the chassis)
 - 121 REVOLVING TIRES (on the rear wheels)
 - 120 DANGER ELECTROCUTION HAZARD (near the rear wheels)
 - 13 DANGER AUX BOOM NOSE (BOTH SIDES) (at the front of the chassis)
 - 14 DANGER BOOM EXTENSION HAZARD (at the boom tip)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT540E/RT535 (DUTCH)

Assembly No.

80006908

Revision: **A**

Item	FN	Part	Qty	Description
10		7376100557	1	DECAL - DANGER CABLE WEDGE (DUTCH)
13		7376100389	2	DECAL - DANGER AUXILIARY BOOM NOSE (DUTCH)
14		7376101906	3	DECAL - DANGER BOOM EXTENSION HAZARD (DUTCH)
18		7376102800	1	DECAL - TRANSPORTATION AND LIFTING DATA (DUTCH)
100		7376100613	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (DUTCH)
101		7376007165	1	DECAL - DANGER UNTRAINED OPERATOR (DUTCH)
102		7376100397	1	DECAL - DANGER OUTRIGGER MID EXTENSION (DUTCH)
103		7376100565	1	DECAL - DANGER SUPERSTRUCTURE SWING (DUTCH)
104		7376101895	1	DECAL - DANGER ELECTROCUTION HAZARD (DUTCH)
105		80005878	1	DECAL-DANGER REMOTE LOCATED LMI OVERRIDE SWITCH (DUTCH)
107		7376102813	1	DECAL - FUSES (DUTCH) (ITALIAN)
108		7376102547	1	DECAL - CAUTION TRANSMISSION DAMAGE (DUTCH)
109		7376100485	1	DECAL - CAUTION PIN SWING LOCK (DUTCH)
111		7376100437	1	DECAL - EMERGENCY EXIT (DUTCH)
113		7376102931	1	DECAL - SYMBOL ID (DUTCH)
120		7376100637	4	DECAL - DANGER ELECTROCUTION HAZARD (DUTCH)
121		7376100405	2	DECAL - DANGER REVOLVING TIRES (DUTCH)
122		7376100453	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (DUTCH)
130		7376100421	4	DECAL - MID-EXTEND OUTRIGGERS > (DUTCH)
131		7376100429	4	DECAL - MID-EXTEND OUTRIGGERS < (DUTCH)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT540E/RT535 (DUTCH)

Assembly No.

80006908

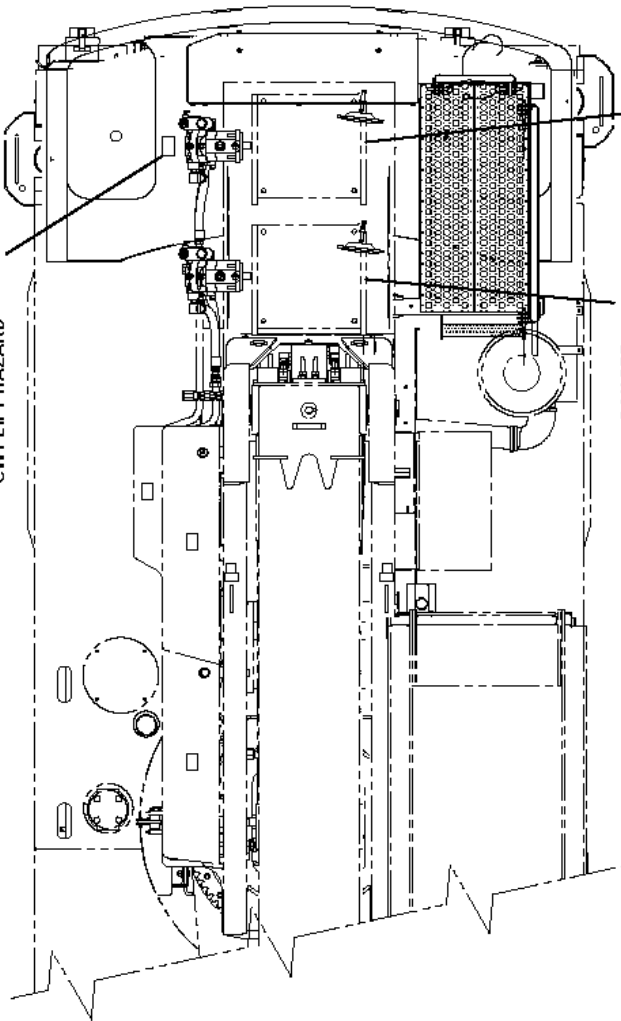
Revision: **A**

Item	FN	Part	Qty	Description
134		7376102585	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (DUTCH)
138		7376102962	1	DECAL - CAUTION MAXIMUM FILL RATE (DUTCH)
140		7376100351	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (DUTCH)
141		7376100589	4	DECAL - DANGER COUNTERWEIGHT LIFT (DUTCH)
142		7376100557	1	DECAL - DANGER CABLE WEDGE (DUTCH)
143		7376101564	1	DECAL - HAND SIGNALS (DUTCH)
160		7376100363	2	DECAL - DANGER BOOM NOT WALKWAY (DUTCH)
163		80005889	1	DECAL-DANGER LMI OVERRIDE SWITCH (DUTCH)

Manitowoc Cranes

Notes

DANGER 141
CWT LIFT HAZARD

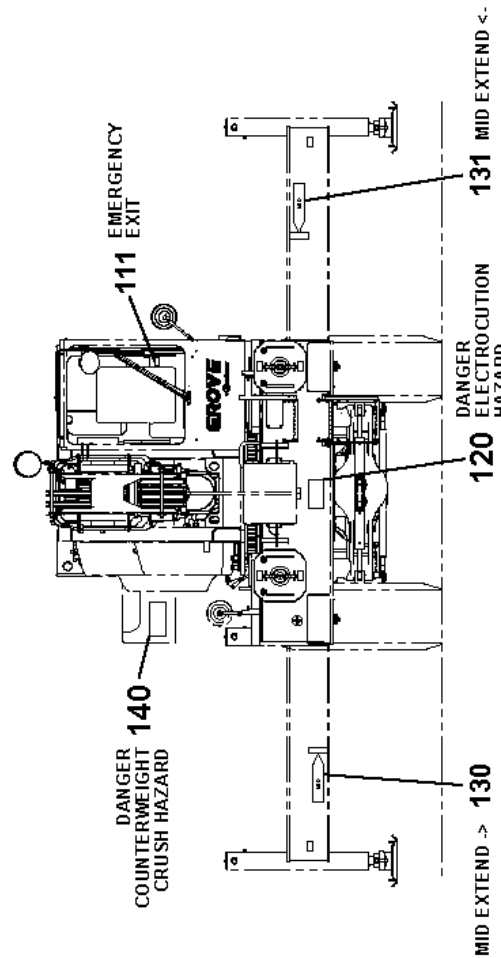


DANGER 142
CABLE WEDGE

10 DANGER
CABLE WEDGE

SUPERSTRUCTURE TOP VIEW CAST CWT

DANGER 140
COUNTERWEIGHT
CRUSH HAZARD



MID EXTEND -> 130

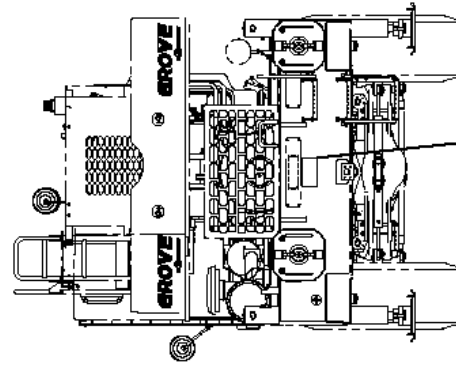
DANGER 120
ELECTROCUTION
HAZARD

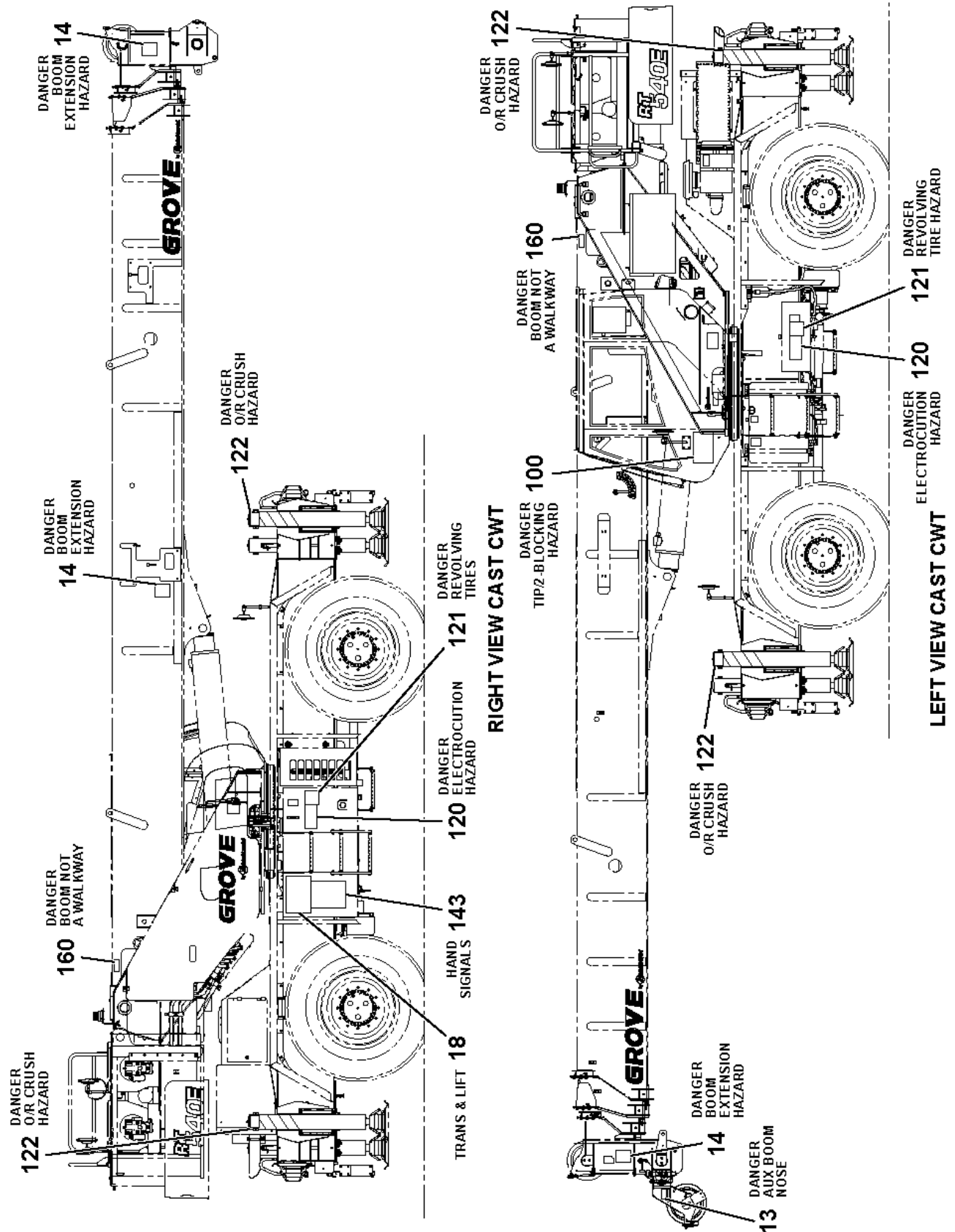
131 MID EXTEND <-

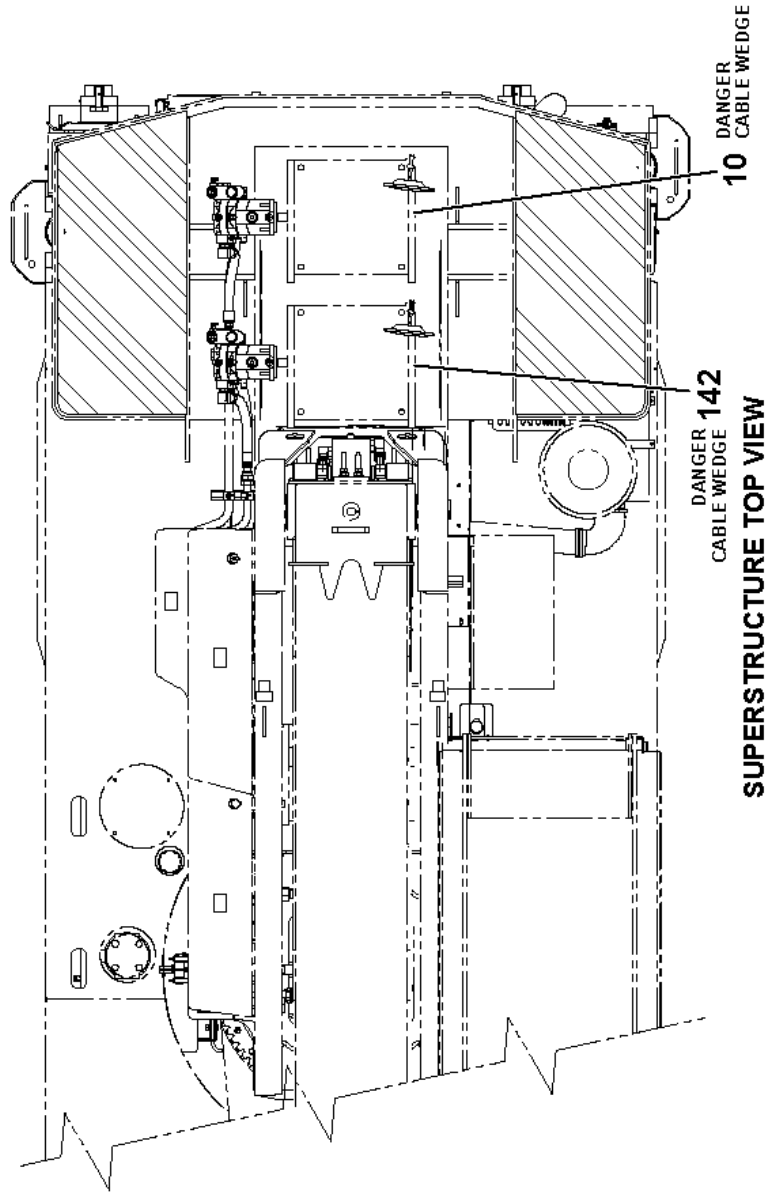
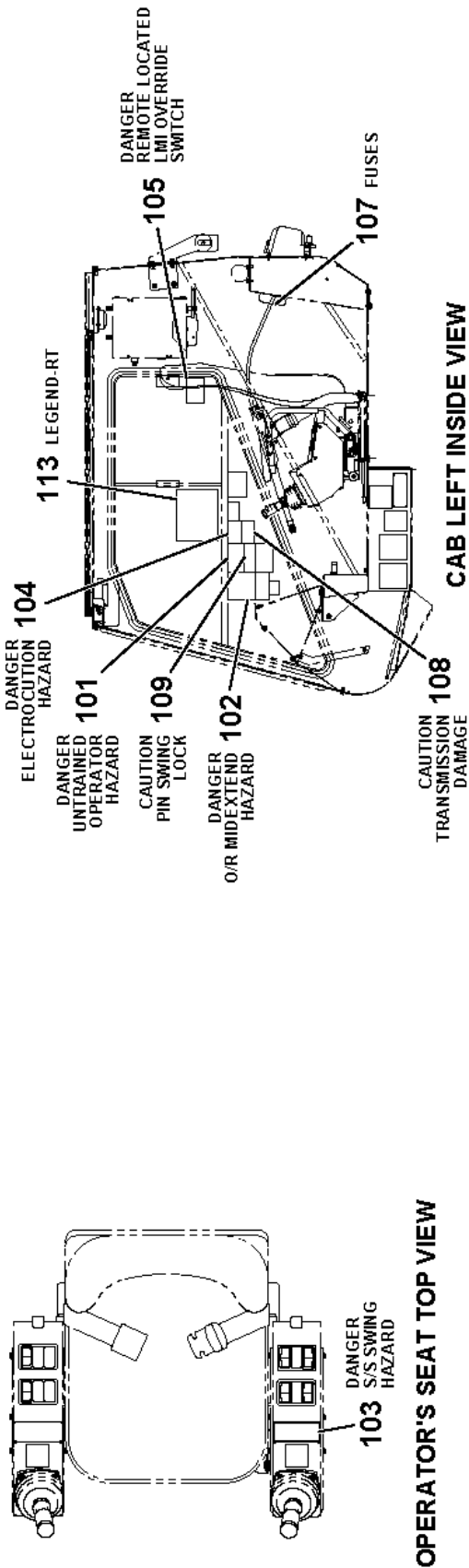
FRONT VIEW CAST CWT

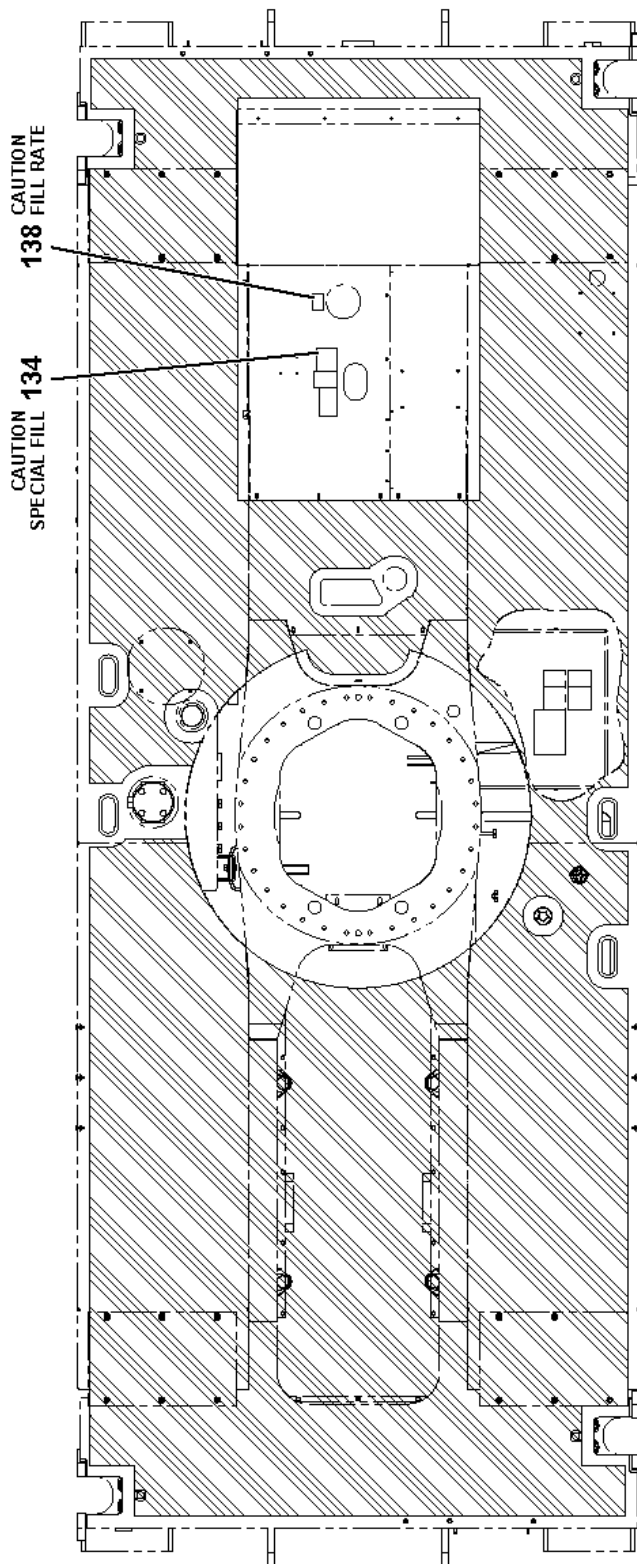
DANGER 120
ELECTROCUTION
HAZARD

REAR VIEW CAST CWT

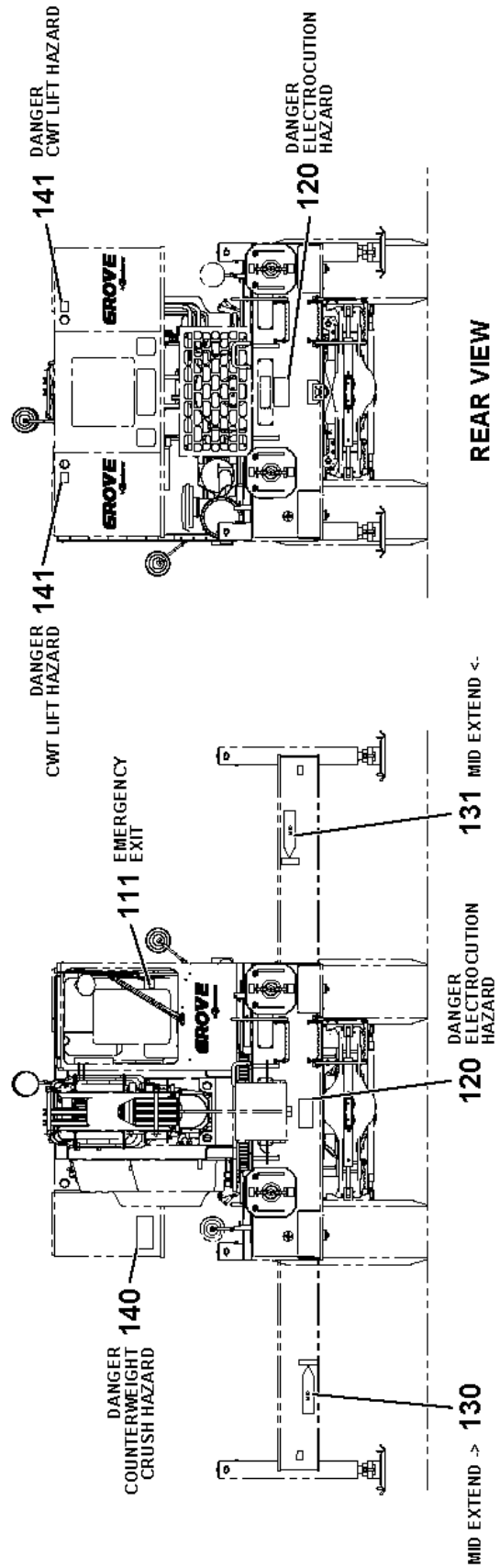




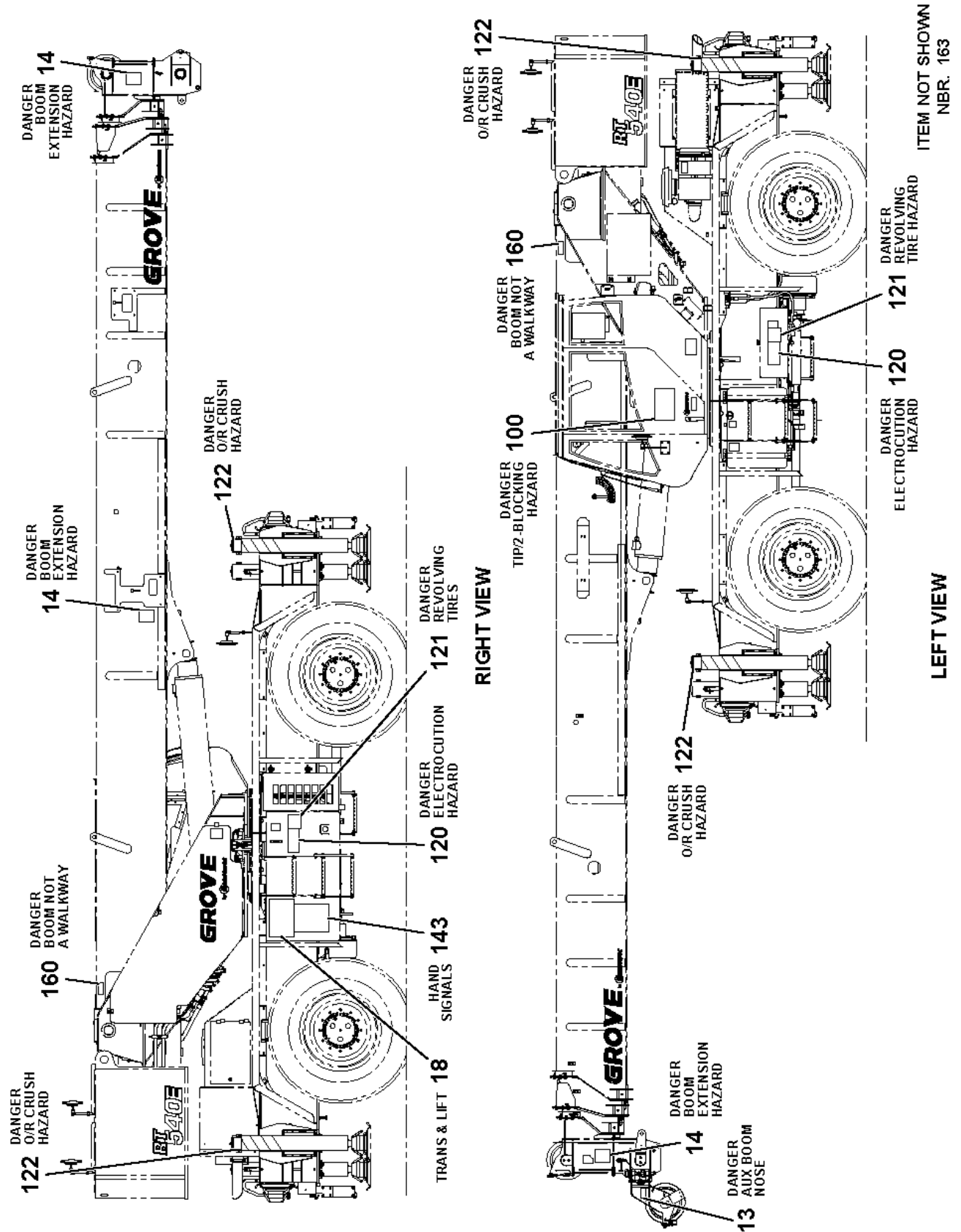




TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
DECAL INSTALLATION - RT535/540E (NORWEGIAN)				80006909
				Revision: A
Item	FN	Part	Qty	Description
10		7376100559	1	DECAL - DANGER CABLE WEDGE (NORWEGIAN)
13		7376100391	2	DECAL - DANGER AUXILIARY BOOM NOSE (NORWEGIAN)
14		7376101907	3	DECAL - DANGER BOOM EXTENSION HAZARD (NORWEGIAN)
18		7376102801	1	DECAL - TRANSPORTATION AND LIFTING DATA (NORWEGIAN)
100		7376100615	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (NORWEGIAN)
101		7376102771	1	DECAL - DANGER UNTRAINED OPERATOR (NORWEGIAN)
102		7376100399	1	DECAL - DANGER OUTRIGGER MID EXTENSION (NORWEGIAN)
103		7376100567	1	DECAL - DANGER SUPERSTRUCTURE SWING (NORWEGIAN)
104		7376101896	1	DECAL - DANGER ELECTROCUTION HAZARD (NORWEGIAN)
105		80005879	1	DECAL-DGR-REM LMI OVRDE KEY (NORWEGIAN)
107		7376102814	1	DECAL - FUSES (NORWEGIAN)
108		7376102548	1	DECAL - CAUTION TRANSMISSION DAMAGE (NORWEGIAN)
109		7376100487	1	DECAL - CAUTION PIN SWING LOCK (NORWEGIAN)
111		7376100439	1	DECAL - EMERGENCY EXIT (NORWEGIAN)
113		7376102932	1	DECAL - SYMBOL ID (NORWEGIAN)
120		7376100357	4	DECAL - DANGER ELECTROCUTION HAZARD (NORWEGIAN)
121		7376100407	2	DECAL - DANGER REVOLVING TIRES (NORWEGIAN)
122		7376100455	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (NORWEGIAN)
130		7376100423	4	DECAL - MID-EXTEND OUTRIGGERS > (NORWEGIAN)
131		7376100431	4	DECAL - MID-EXTEND OUTRIGGERS < (NORWEGIAN)
134		7376102586	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (NORWEGIAN)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (NORWEGIAN)

Assembly No.

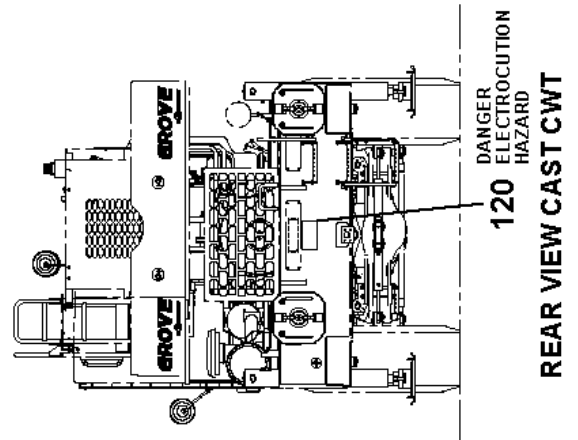
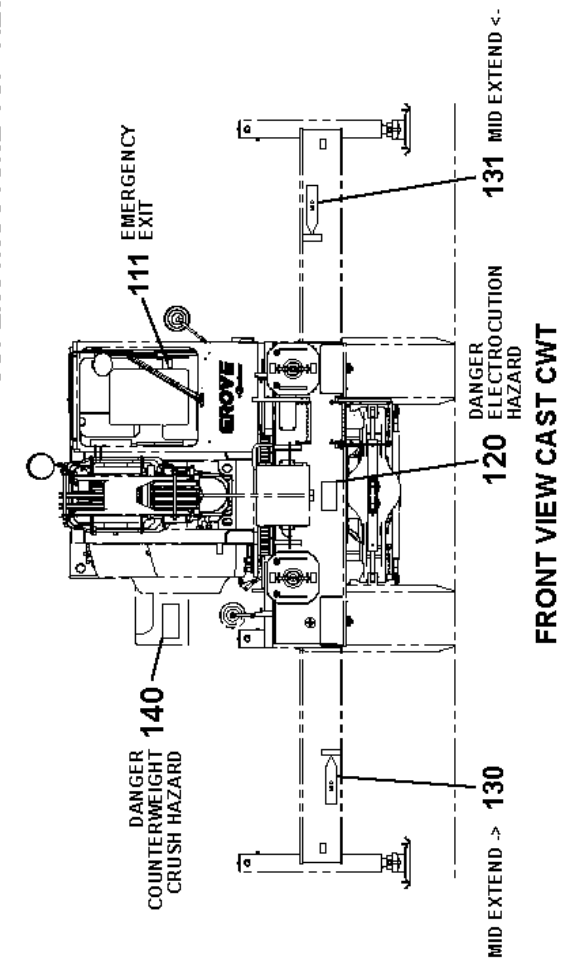
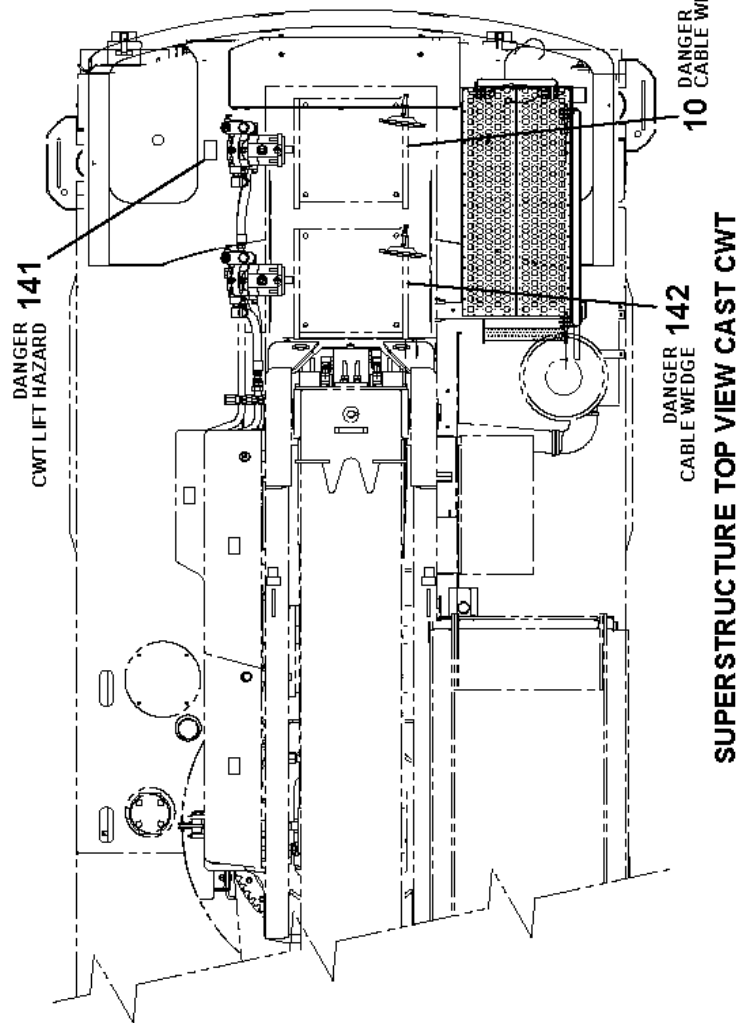
80006909

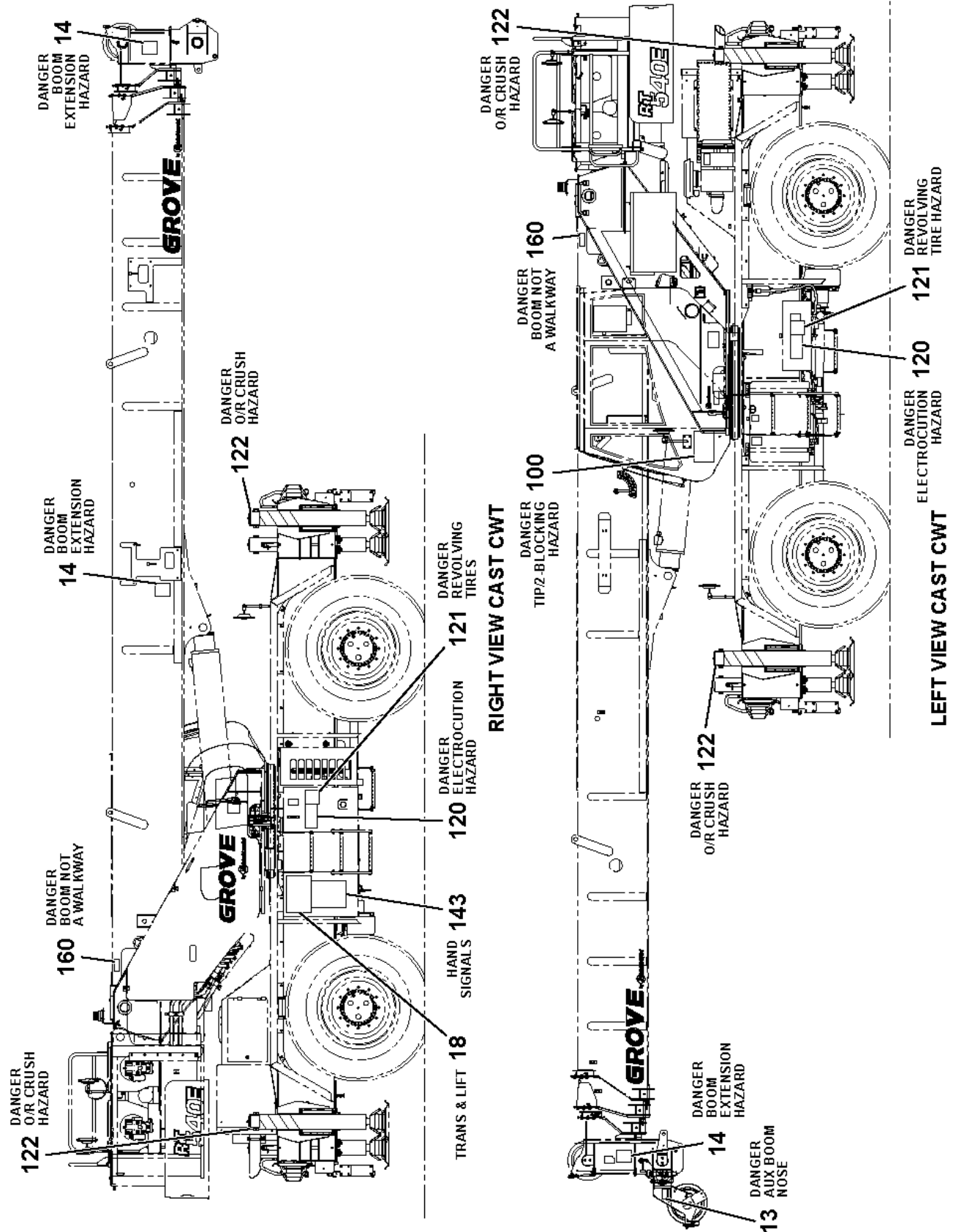
Revision: **A**

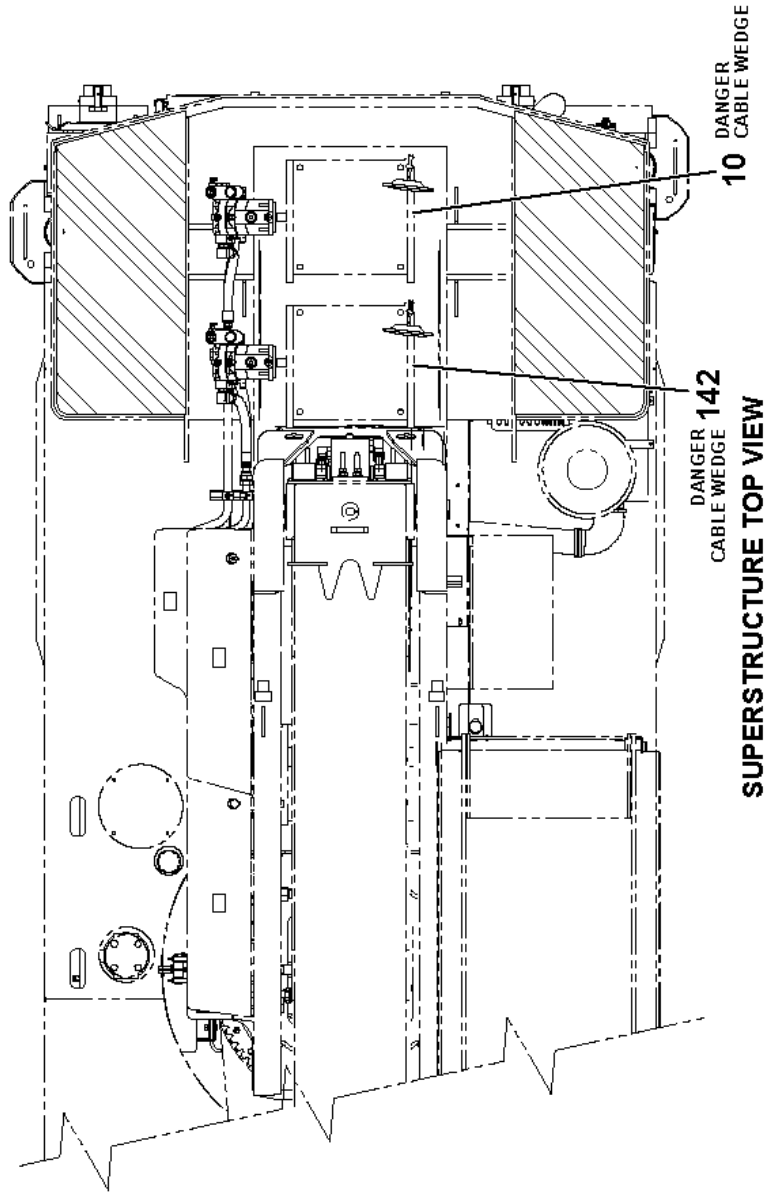
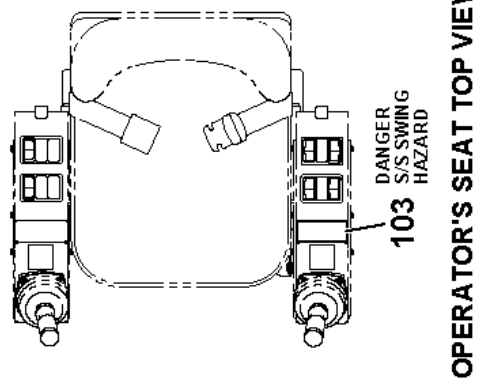
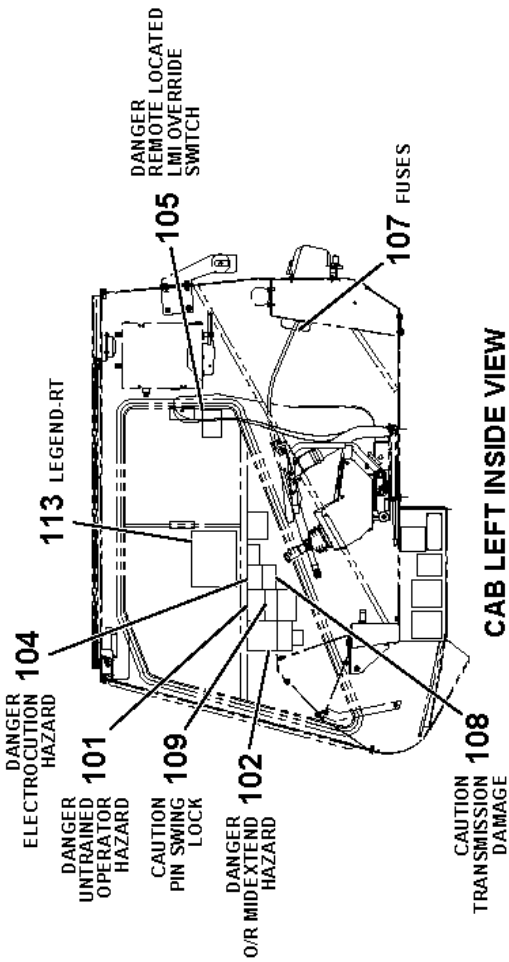
Item	FN	Part	Qty	Description
138		7376102963	1	DECAL - CAUTION MAXIMUM FILL RATE (NORWEGIAN)
140		7376100353	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (NORWEGIAN)
141		7376100591	4	DECAL - DANGER COUNTERWEIGHT LIFT (NORWEGIAN)
142		7376100559	1	DECAL - DANGER CABLE WEDGE (NORWEGIAN)
143		7376101565	1	DECAL - HAND SIGNALS (NORWEGIAN)
160		7376100365	2	DECAL - DANGER BOOM NOT WALKWAY (NORWEGIAN)
163		80005890	1	DECAL-DNGR-LMI OVERRIDE KEY (NORWEGIAN)

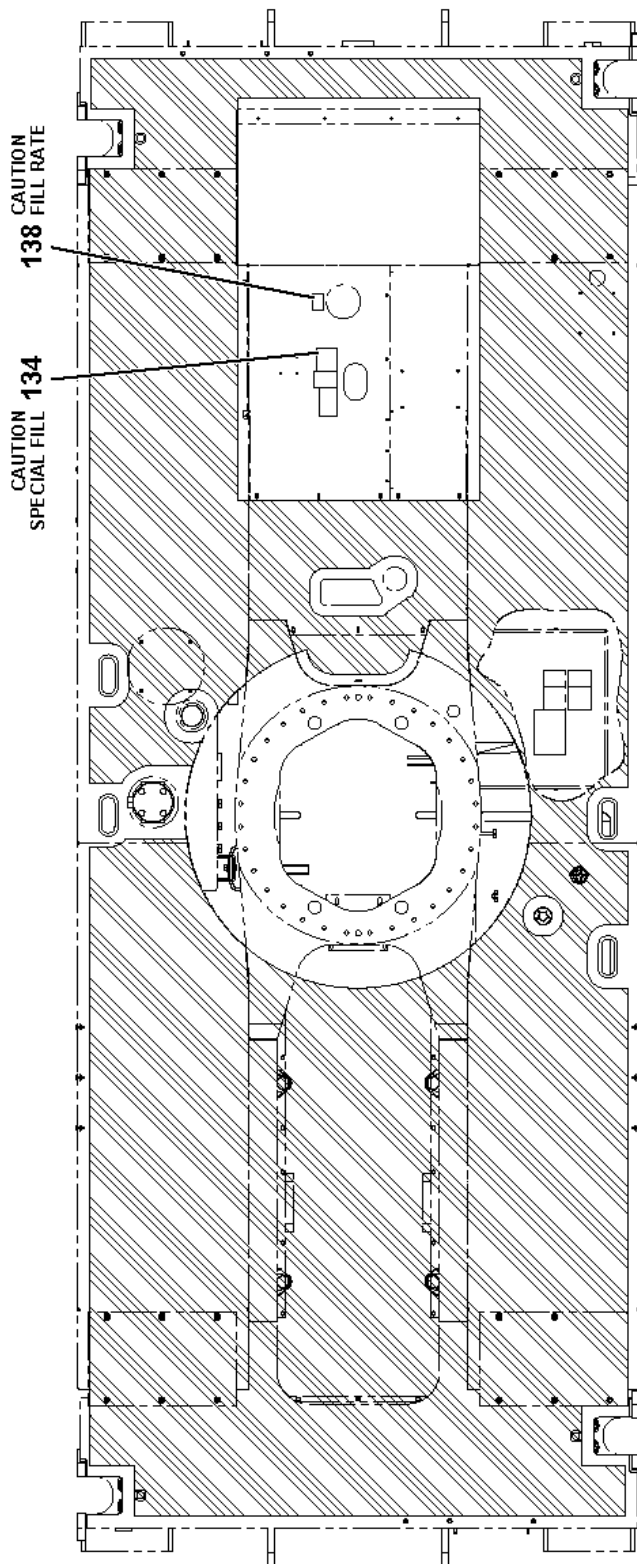
Manitowoc Cranes

Notes

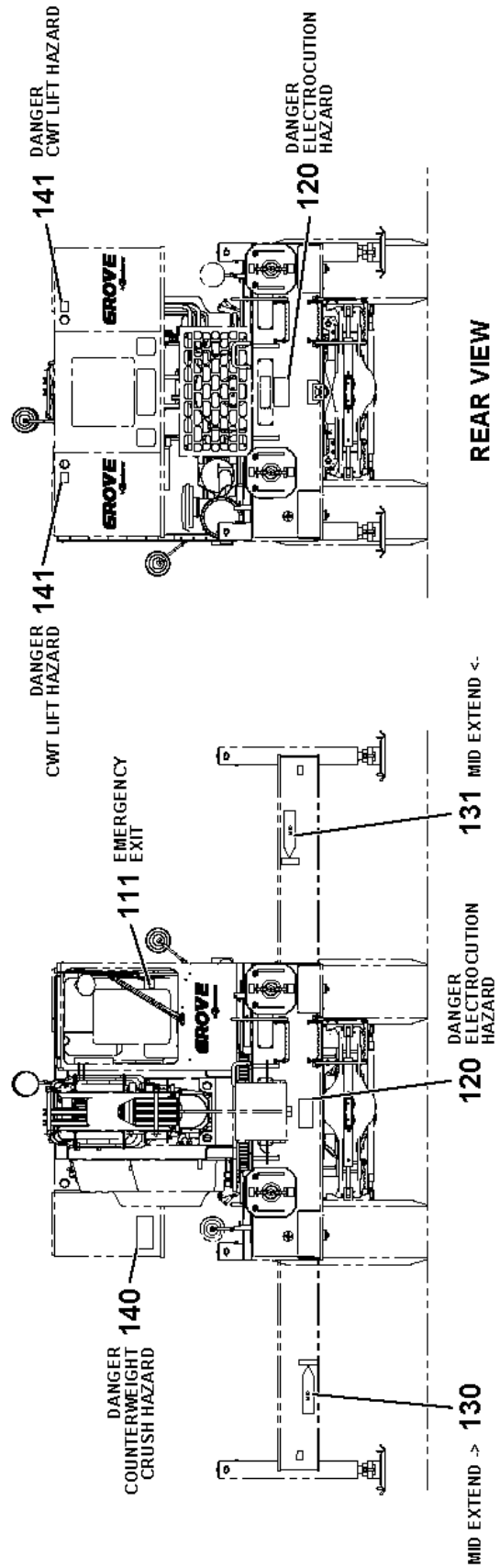




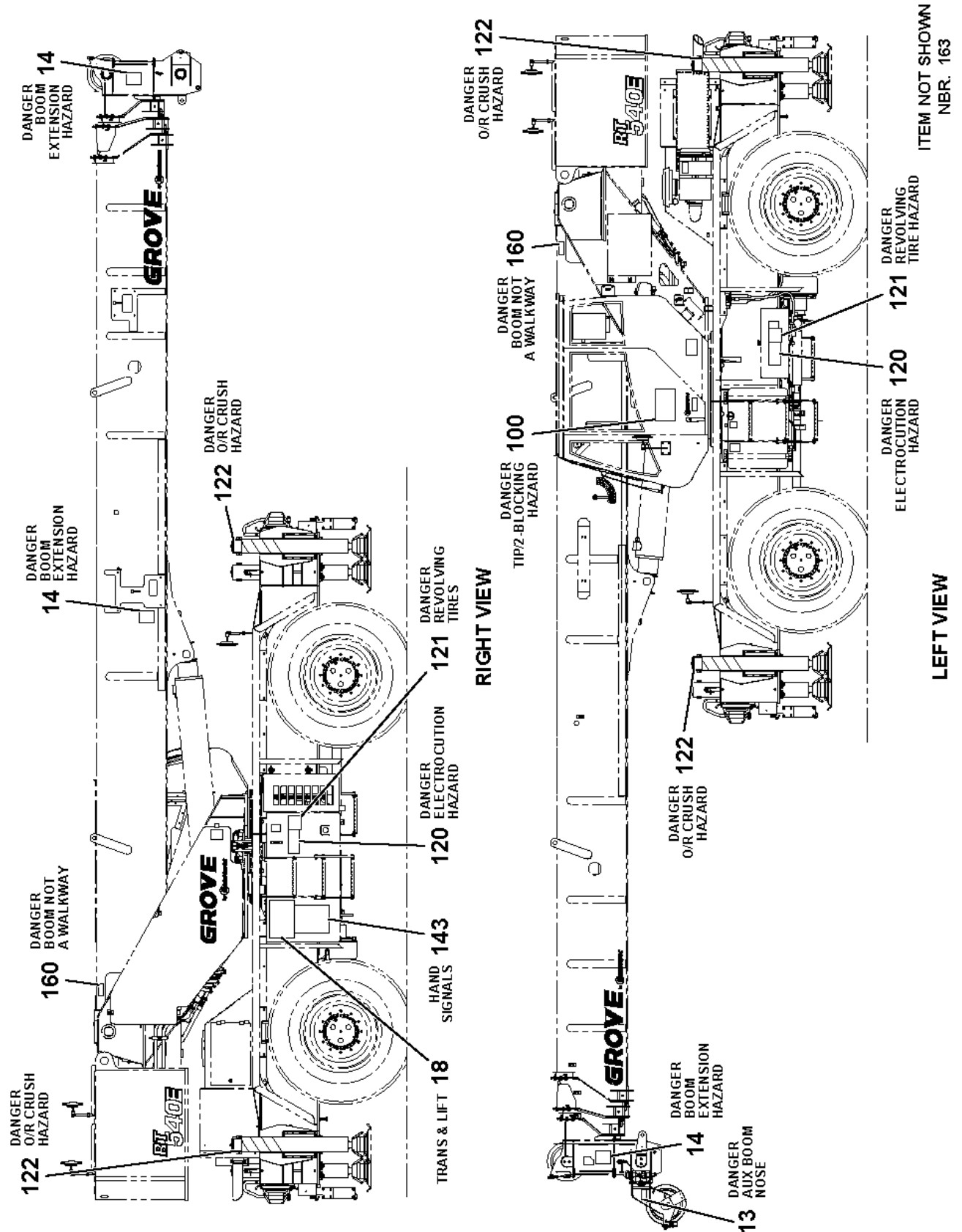




TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (POLISH)

Assembly No.

80006910

Revision: **A**

Item	FN	Part	Qty	Description
10		7376100560	1	DECAL - DANGER CABLE WEDGE (POLISH)
13		7376100392	2	DECAL - DANGER AUXILIARY BOOM NOSE (POLISH)
14		7376101908	3	DECAL - DANGER BOOM EXTENSION HAZARD (POLISH)
18		7376102802	1	DECAL - TRANSPORTATION AND LIFTING DATA (POLISH)
100		7376100616	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (POLISH)
101		7376102772	1	DECAL - DANGER UNTRAINED OPERATOR (POLISH)
102		7376100400	1	DECAL - DANGER OUTRIGGER MID EXTENSION (POLISH)
103		7376100568	1	DECAL - DANGER SUPERSTRUCTURE SWING (POLISH)
104		7376101897	1	DECAL - DANGER ELECTROCUTION HAZARD (POLISH)
105		80005880	1	DECAL-DGR-REM LMI OVRDE KEY (POLISH)
107		7376102815	1	DECAL - FUSES (POLISH)
108		7376102549	1	DECAL - CAUTION TRANSMISSION DAMAGE (POLISH)
109		7376100488	1	DECAL - CAUTION PIN SWING LOCK (POLISH)
111		7376100440	1	DECAL - EMERGENCY EXIT (POLISH)
113		7376102933	1	DECAL - SYMBOL ID (POLISH)
120		7376100358	4	DECAL - DANGER ELECTROCUTION HAZARD (POLISH)
121		7376100408	2	DECAL - DANGER REVOLVING TIRES (POLISH)
122		7376100456	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (POLISH)
130		7376100424	4	DECAL - MID-EXTEND OUTRIGGERS > (POLISH)
131		7376100432	4	DECAL - MID-EXTEND OUTRIGGERS < (POLISH)
134		7376102587	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (POLISH)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (POLISH)

Assembly No.

80006910

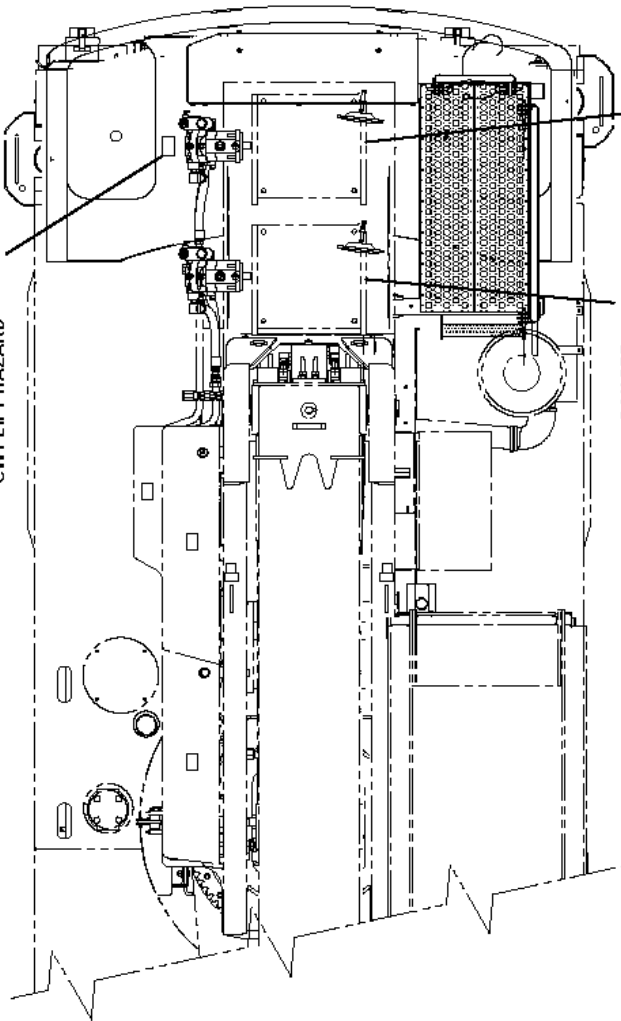
Revision: **A**

Item	FN	Part	Qty	Description
138		7376102964	1	DECAL - CAUTION MAXIMUM FILL RATE (POLISH)
140		7376100354	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (POLISH)
141		7376100592	4	DECAL - DANGER COUNTERWEIGHT LIFT (POLISH)
142		7376100560	1	DECAL - DANGER CABLE WEDGE (POLISH)
143		7376101566	1	DECAL - HAND SIGNALS (POLISH)
160		7376100366	2	DECAL - DANGER BOOM NOT WALKWAY (POLISH)
163		80005891	1	DECAL-DNGR-LMI OVERRIDE KEY (POLISH)

Manitowoc Cranes

Notes

DANGER 141
CWT LIFT HAZARD

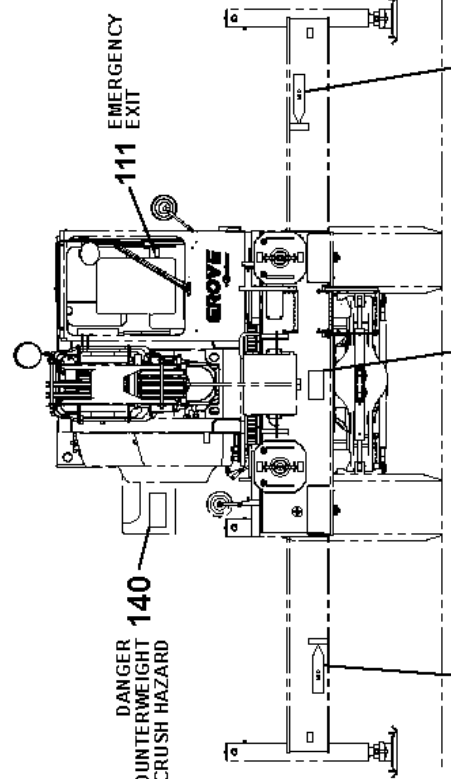


DANGER 142
CABLE WEDGE

10 DANGER
CABLE WEDGE

SUPERSTRUCTURE TOP VIEW CAST CWT

DANGER 140
COUNTERWEIGHT
CRUSH HAZARD

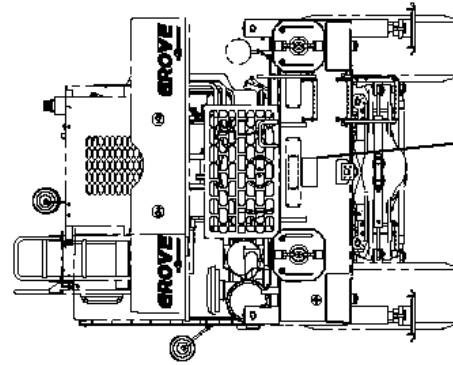


MID EXTEND -> 130

DANGER 120
ELECTROCUTION
HAZARD

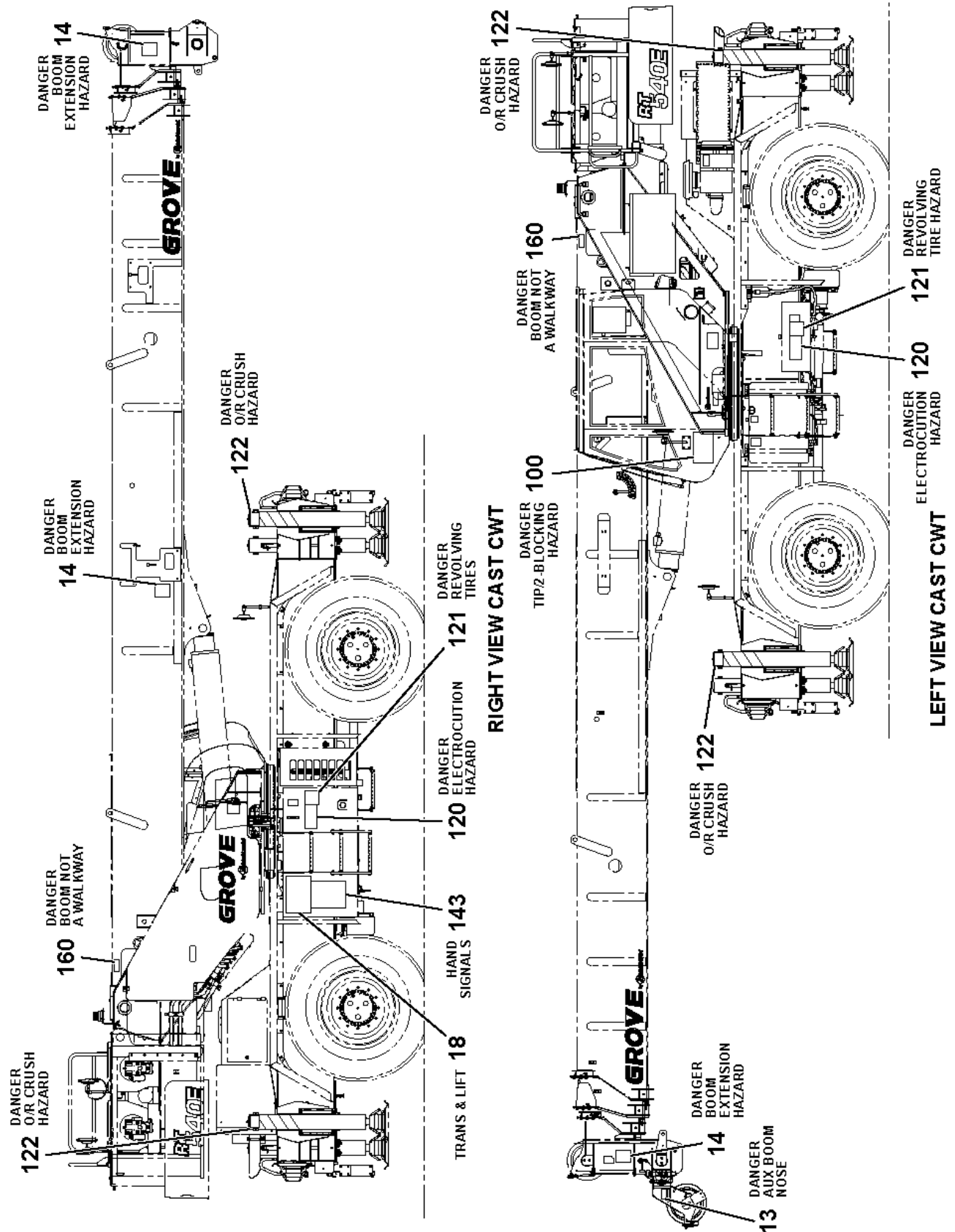
131 MID EXTEND <-

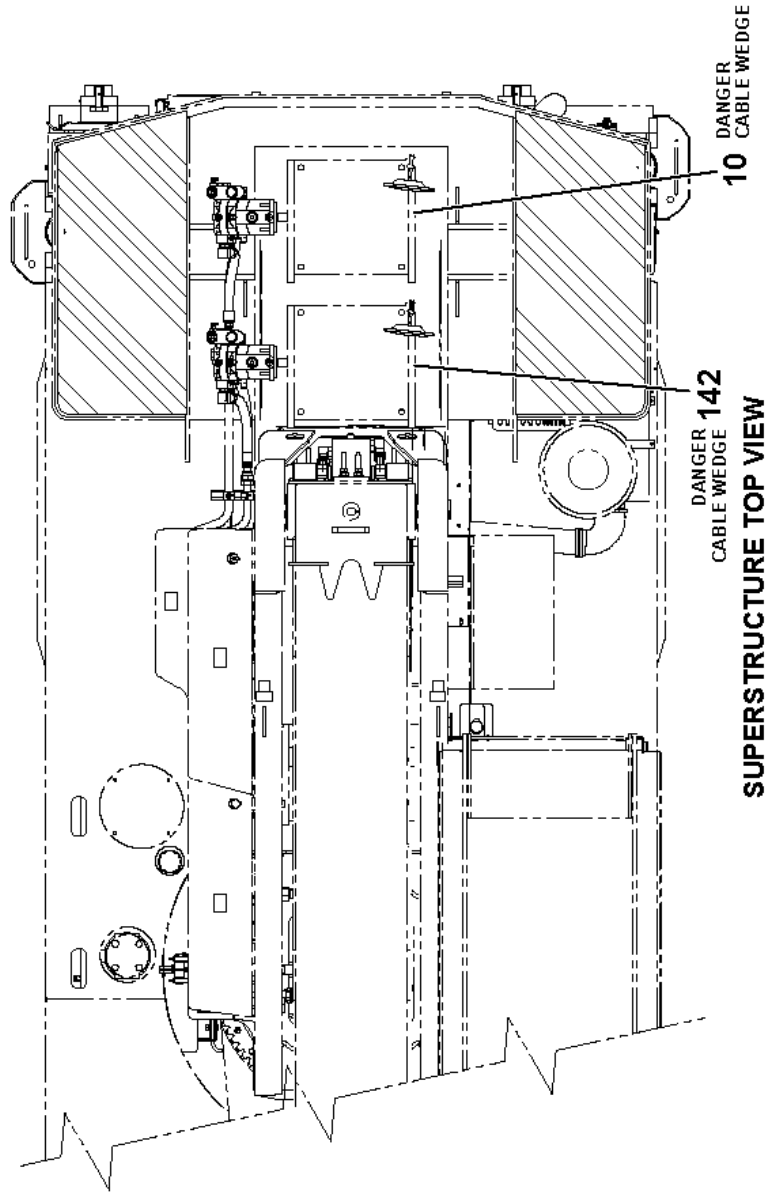
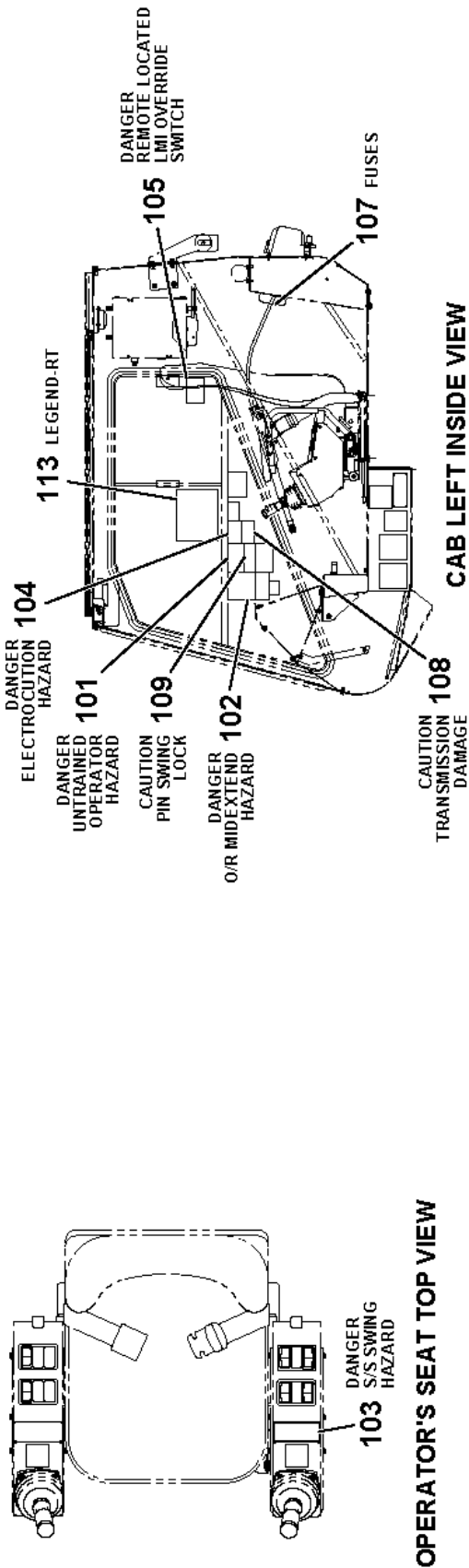
FRONT VIEW CAST CWT

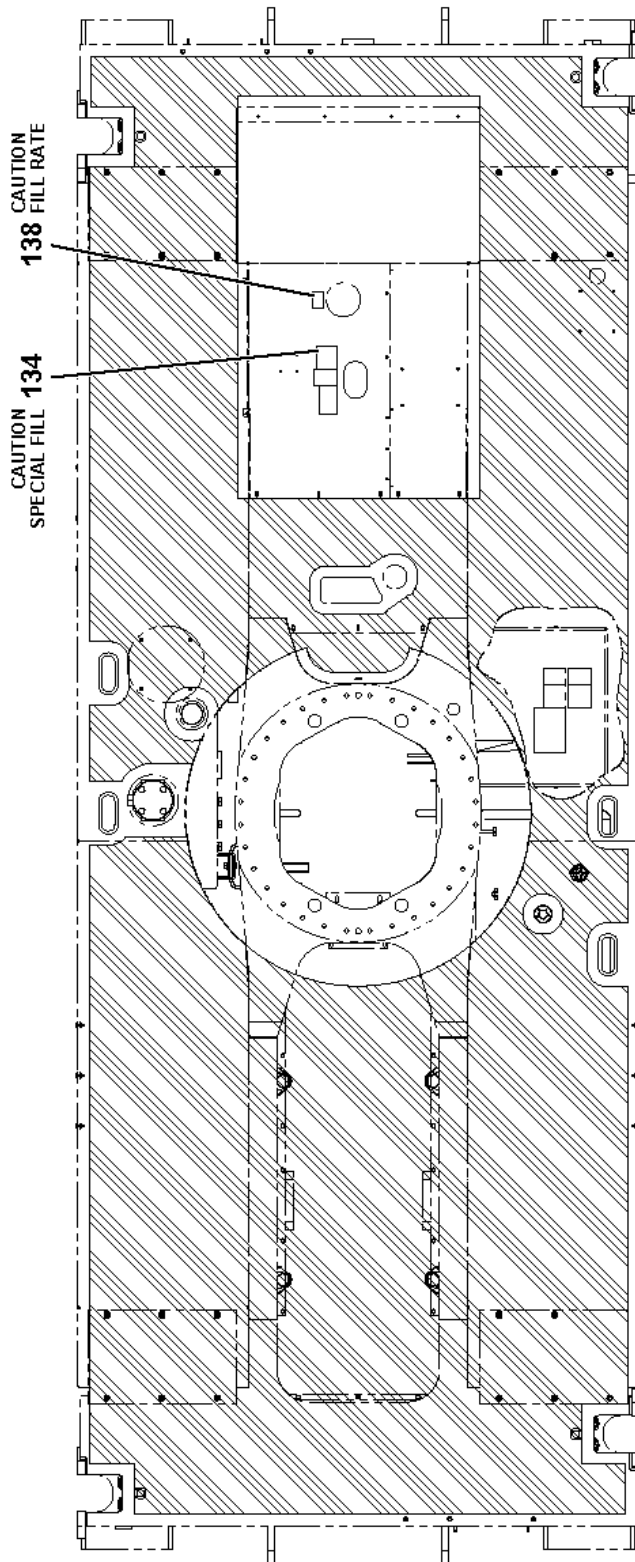


DANGER 120
ELECTROCUTION
HAZARD

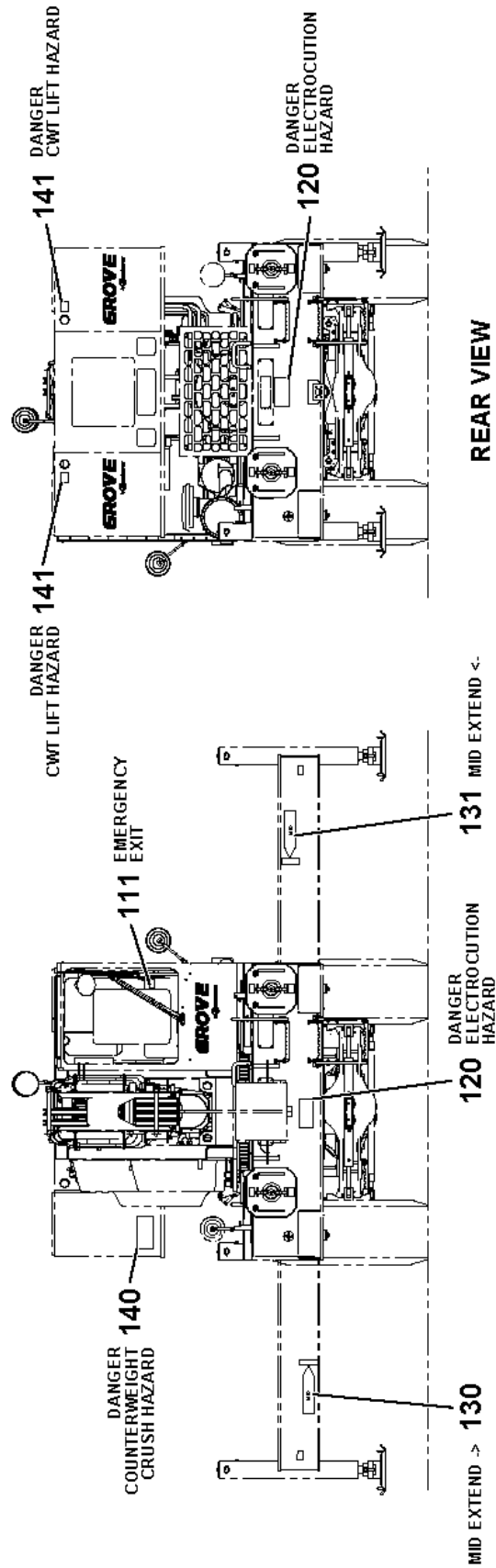
REAR VIEW CAST CWT



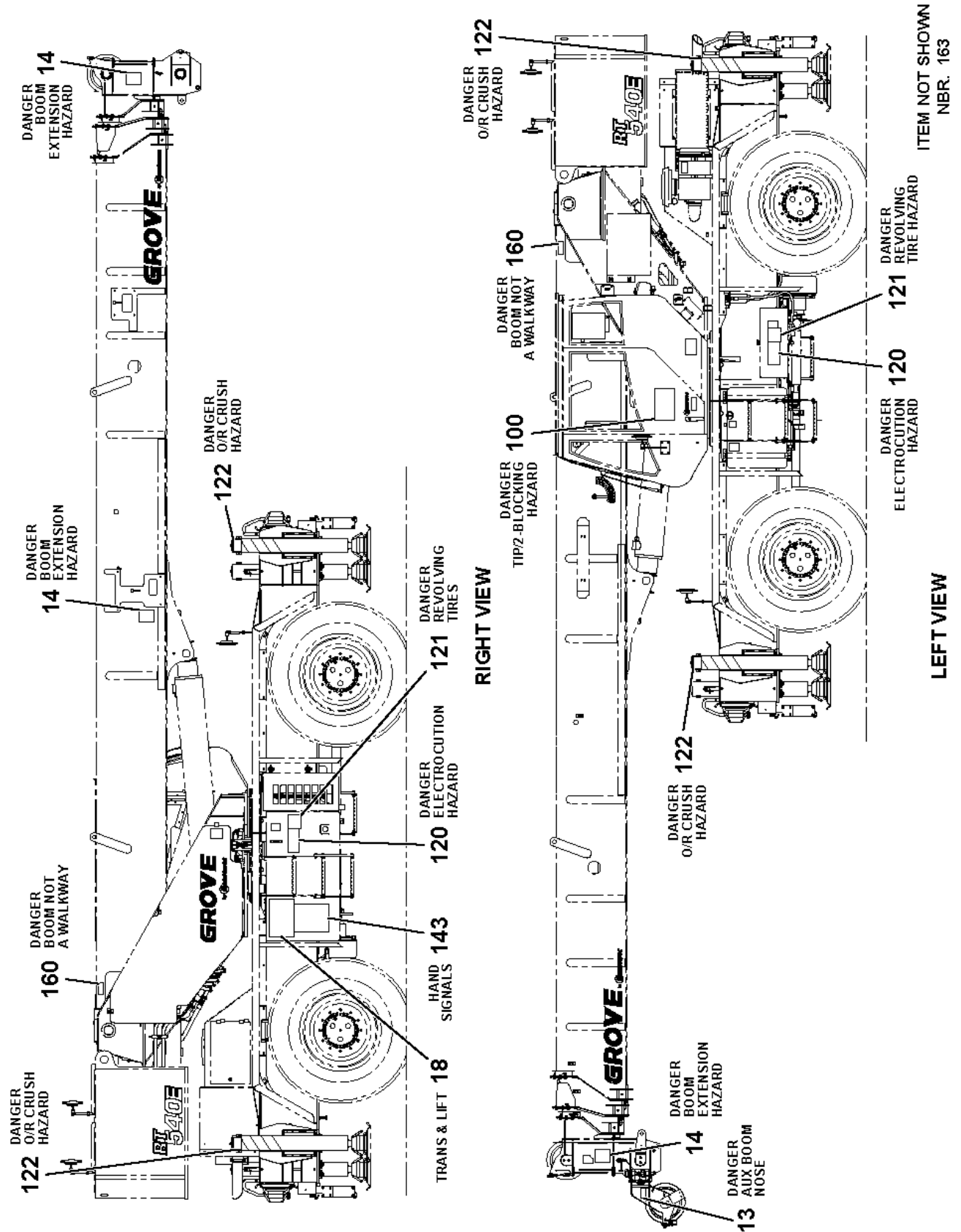




TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



Manitowoc Cranes



Manitowoc Cranes

Description				Assembly No.
DECAL INSTALLATION - RT535/540E (PORTUGUESE - CONTINENTAL)				80006911
				Revision: A
Item	FN	Part	Qty	Description
10		7376102751	1	DECAL - DANGER CABLE WEDGE (PORTUGUESE - CONTINENTAL)
13		7376102740	2	DECAL - DANGER AUXILIARY BOOM NOSE (PORTUGUESE - CONTINENTAL)
14		7376102761	3	DECAL - DANGER BOOM EXTENSION HAZARD (PORTUGUESE - CONTINENTAL)
18		7376102804	1	DECAL - TRANSPORTATION AND LIFTING DATA (PORTUGUESE - BRAZILIAN)
100		7376102754	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (PORTUGUESE - CONTINENTAL)
101		7376102739	1	DECAL - DANGER UNTRAINED OPERATOR (PORTUGUESE - CONTINENTAL)
102		7376102741	1	DECAL - DANGER OUTRIGGER MID EXTENSION (PORTUGUESE - CONTINENTAL)
103		7376102752	1	DECAL - DANGER SUPERSTRUCTURE SWING (PORTUGUESE - CONTINENTAL)
104		7376102760	1	DECAL - DANGER ELECTROCUTION HAZARD (PORTUGUESE - CONTINENTAL)
105		80005881	1	DECAL-DGR-REM LMI OVRDE KEY (PORTUGUESE - CONTINENTAL)
107		7376102816	1	DECAL - FUSES (PORTUGUESE - CONTINENTAL)
108		7376102765	1	DECAL - CAUTION TRANSMISSION DAMAGE (PORTUGUESE - CONTINENTAL)
109		7376102750	1	DECAL - CAUTION PIN SWING LOCK (PORTUGUESE - CONTINENTAL)
111		7376102747	1	DECAL - EMERGENCY EXIT (PORTUGUESE - CONTINENTAL)
113		7376102934	1	DECAL - SYMBOL ID (PORTUGUESE - CONTINENTAL)
120		7376102737	4	DECAL - DANGER ELECTROCUTION HAZARD (PORTUGUESE - CONTINENTAL)
121		7376102742	2	DECAL - DANGER REVOLVING TIRES (PORTUGUESE - CONTINENTAL)
122		7376102749	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (PORTUGUESE - CONTINENTAL)
130		7376102744	4	DECAL - MID-EXTEND OUTRIGGERS > (PORTUGUESE - CONTINENTAL)
131		7376102745	4	DECAL - MID-EXTEND OUTRIGGERS < (PORTUGUESE - CONTINENTAL)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (PORTUGUESE - CONTINENTAL)

Assembly No.

80006911

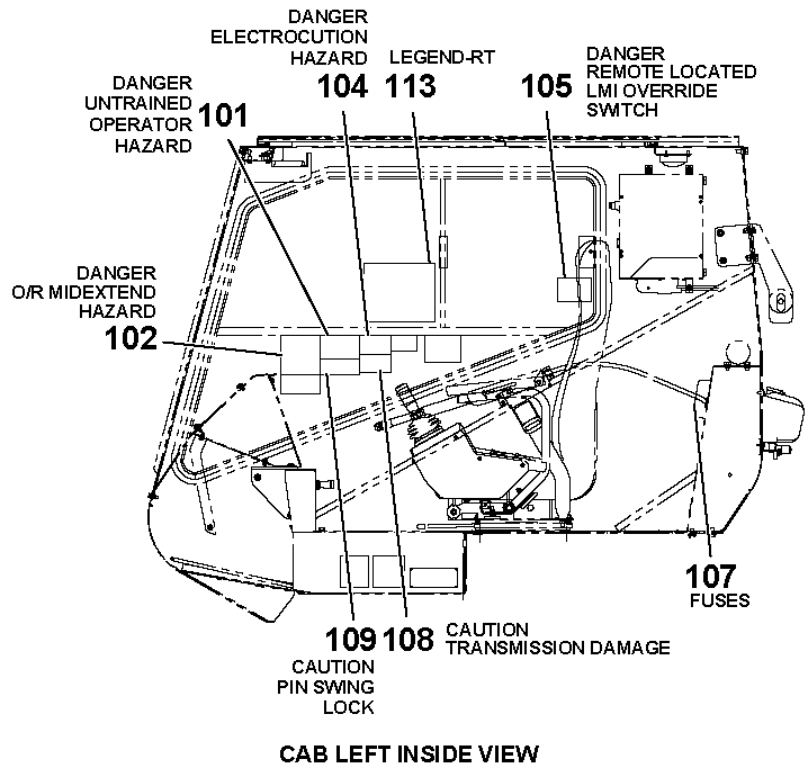
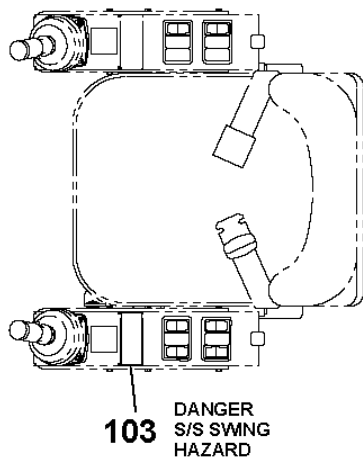
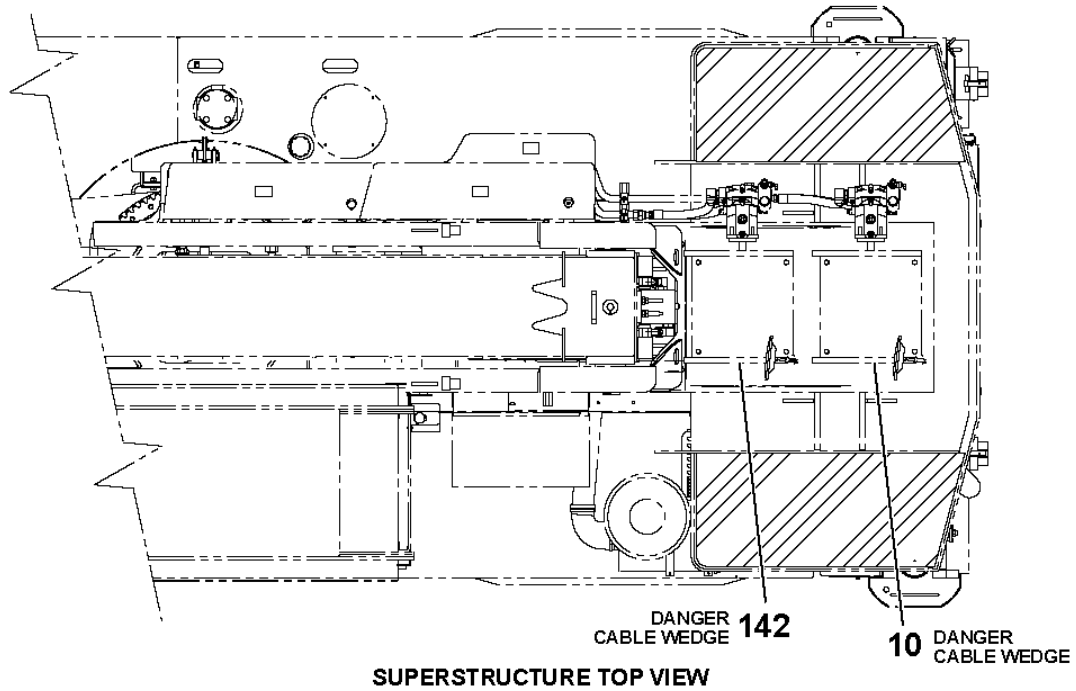
Revision: **A**

Item	FN	Part	Qty	Description
134		7376102766	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (PORTUGUESE - CONTINENTAL)
138		7376102965	1	DECAL - CAUTION MAXIMUM FILL RATE (PORTUGUESE - CONTINENTAL)
140		7376102735	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (PORTUGUESE - CONTINENTAL)
141		7376102753	4	DECAL - DANGER COUNTERWEIGHT LIFT (PORTUGUESE - CONTINENTAL)
142		7376102751	1	DECAL - DANGER CABLE WEDGE (PORTUGUESE - CONTINENTAL)
143		7376102757	1	DECAL - HAND SIGNALS (PORTUGUESE - CONTINENTAL)
160		7376102738	2	DECAL - DANGER BOOM NOT WALKWAY (PORTUGUESE - CONTINENTAL)
163		80005892	1	DECAL-DNGR-LMI OVERRIDE KEY (PORTUGUESE - CONTINENTAL)

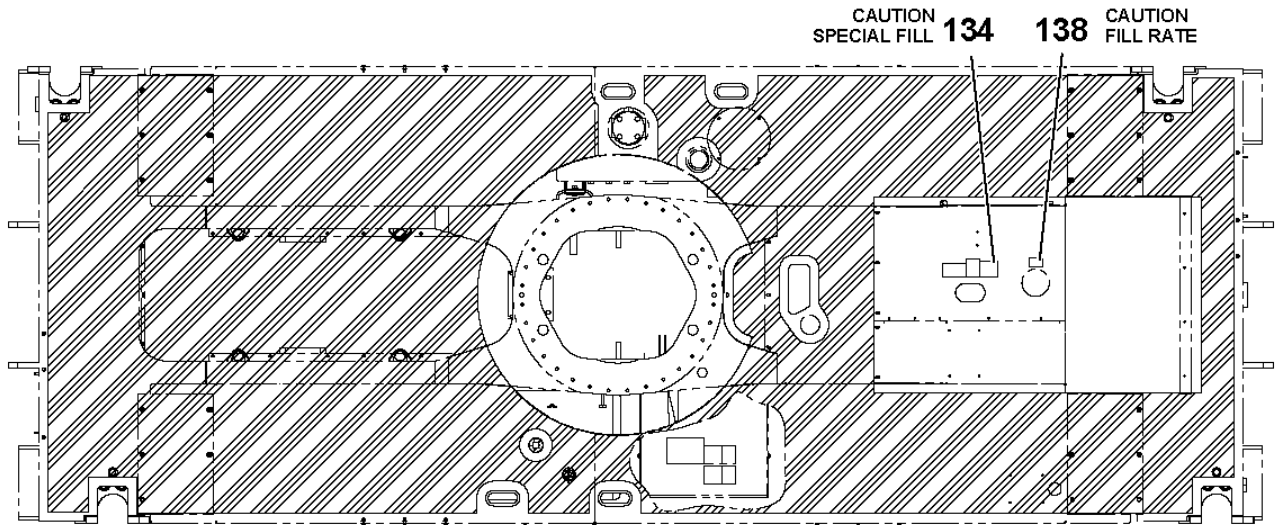
Manitowoc Cranes

Notes

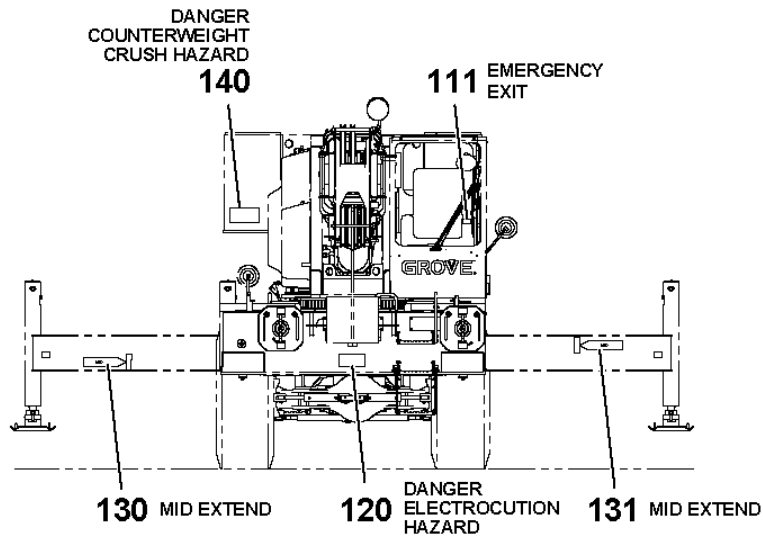
Manitowoc Cranes



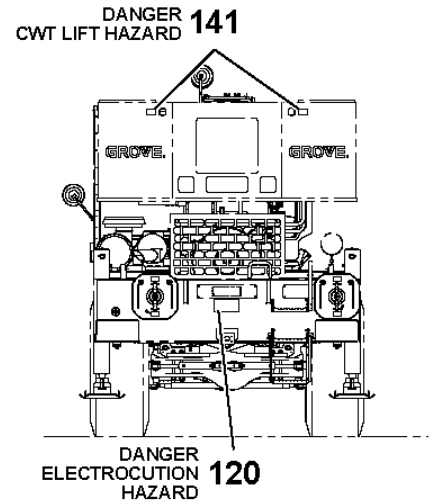
Manitowoc Cranes



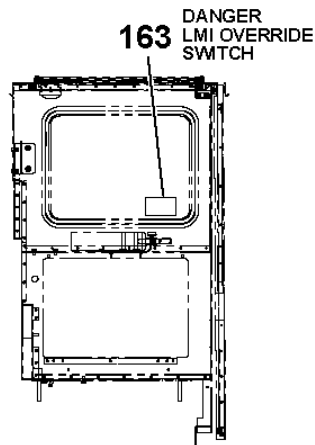
TOP VIEW
W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT



FRONT VIEW



REAR VIEW

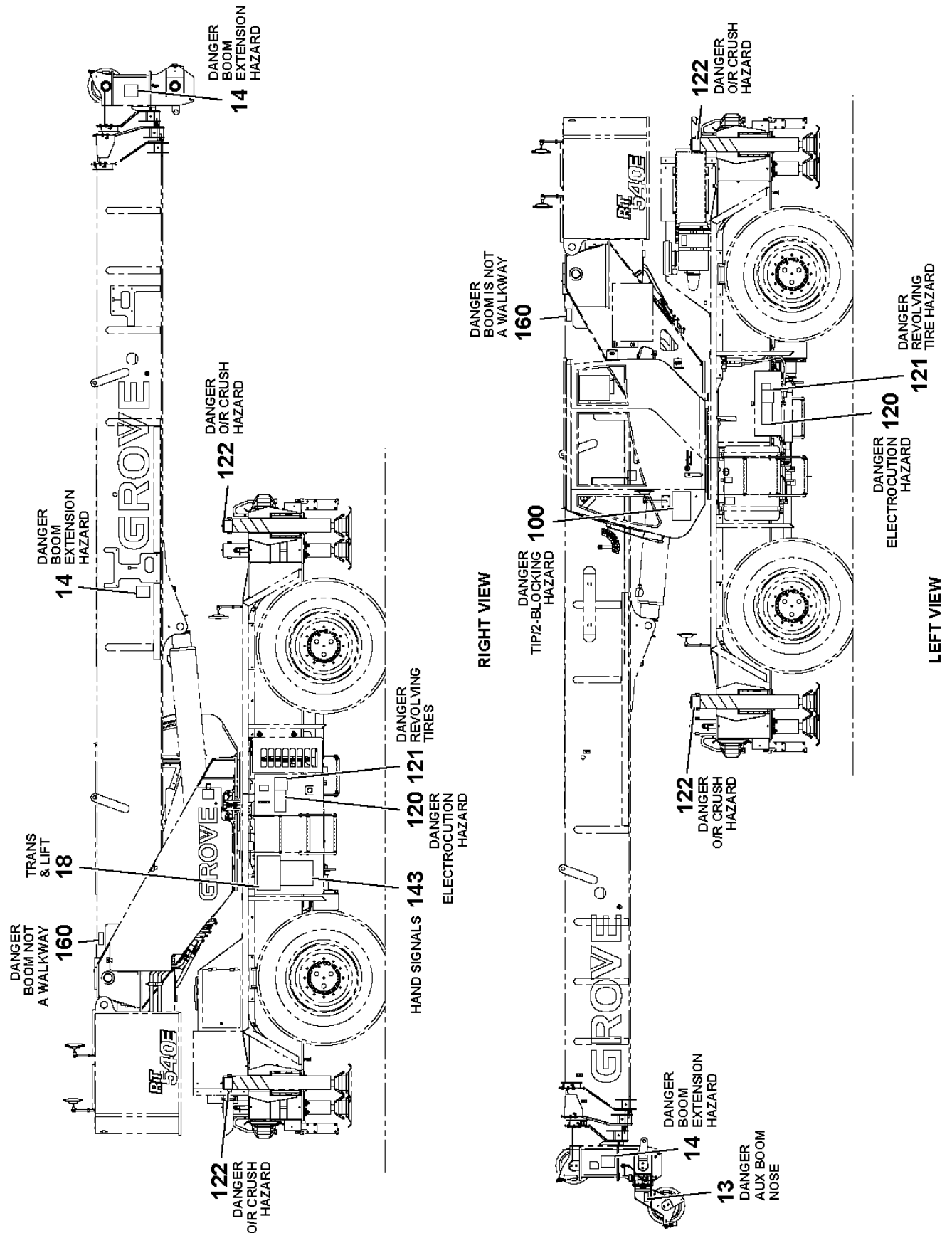


CAB REAR INSIDE VIEW

80006912

(SHEET 2 OF 3)

Manitowoc Cranes



80006912

(SHEET 1 OF 3)

Manitowoc Cranes

Description				Assembly No.
DECAL INSTALLATION - RT535/540E (PORTUGUESE - BRAZILIAN)				80006912
				Revision: A
Item	FN	Part	Qty	Description
10		7376100558	1	DECAL - DANGER CABLE WEDGE (PORTUGUESE - BRAZILIAN)
13		7376100390	2	DECAL - DANGER AUXILIARY BOOM NOSE (PORTUGUESE - BRAZILIAN)
14		7376101909	3	DECAL - DANGER BOOM EXTENSION HAZARD (PORTUGUESE - BRAZILIAN)
18		7376102803	1	DECAL - TRANSPORTATION AND LIFTING DATA (PORTUGUESE - CONTINENTAL)
100		7376100614	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (PORTUGUESE - BRAZILIAN)
101		7376102773	1	DECAL - DANGER UNTRAINED OPERATOR (PORTUGUESE - BRAZILIAN)
102		7376100398	1	DECAL - DANGER OUTRIGGER MID EXTENSION (PORTUGUESE - BRAZILIAN)
103		7376100566	1	DECAL - DANGER SUPERSTRUCTURE SWING (PORTUGUESE - BRAZILIAN)
104		7376101898	1	DECAL - DANGER ELECTROCUTION HAZARD (PORTUGUESE - BRAZILIAN)
105		80005882	1	DECAL-DGR-REM LMI OVRDE KEY
107		7376102817	1	DECAL - FUSES (PORTUGUESE - BRAZILIAN)
108		7376102550	1	DECAL - CAUTION TRANSMISSION DAMAGE (PORTUGUESE - BRAZILIAN)
109		7376100486	1	DECAL - CAUTION PIN SWING LOCK (PORTUGUESE - BRAZILIAN)
111		7376100438	1	DECAL - EMERGENCY EXIT (PORTUGUESE - BRAZILIAN)
113		7376102935	1	DECAL - SYMBOL ID (PORTUGUESE - BRAZILIAN)
120		7376100356	4	DECAL - DANGER ELECTROCUTION HAZARD (PORTUGUESE - BRAZILIAN)
121		7376100406	2	DECAL - DANGER REVOLVING TIRES (PORTUGUESE - BRAZILIAN)
122		7376100454	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (PORTUGUESE - BRAZILIAN)
130		7376100422	4	DECAL - MID-EXTEND OUTRIGGERS > (PORTUGUESE - BRAZILIAN)
131		7376100430	4	DECAL - MID-EXTEND OUTRIGGERS < (PORTUGUESE - BRAZILIAN)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT535/540E (PORTUGUESE - BRAZILIAN)

Assembly No.

80006912

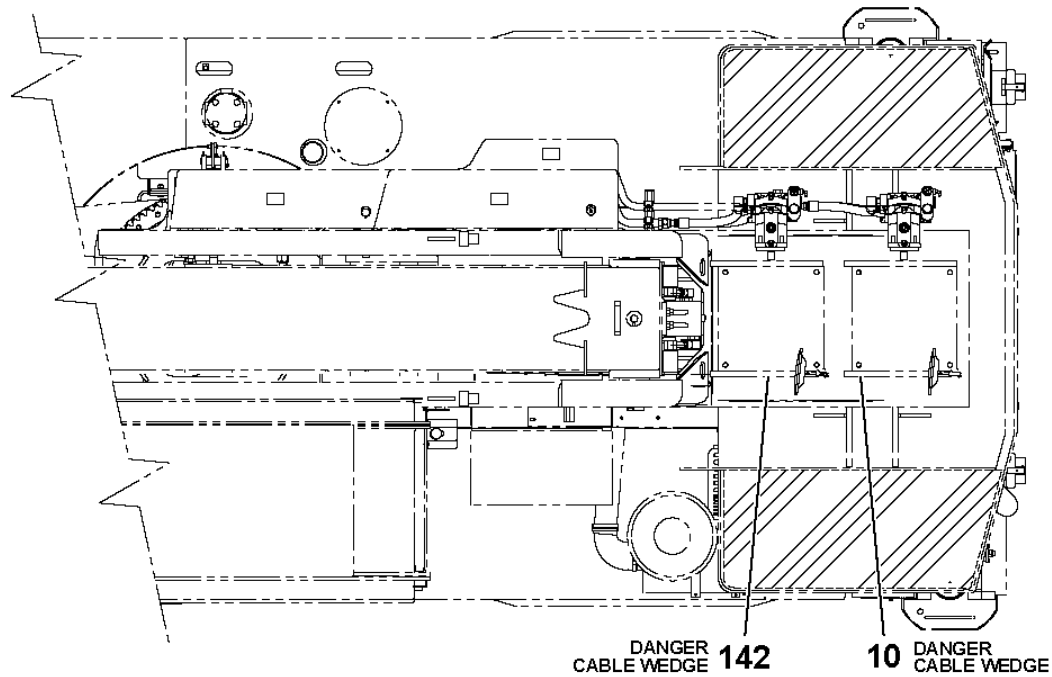
Revision: **A**

Item	FN	Part	Qty	Description
134		7376102588	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (PORTUGUESE - BRAZILIAN)
138		7376102966	1	DECAL - CAUTION MAXIMUM FILL RATE (PORTUGUESE - BRAZILIAN)
140		7376100352	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (PORTUGUESE - BRAZILIAN)
141		7376100590	4	DECAL - DANGER COUNTERWEIGHT LIFT (PORTUGUESE - BRAZILIAN)
142		7376100558	1	DECAL - DANGER CABLE WEDGE (PORTUGUESE - BRAZILIAN)
143		7376101567	1	DECAL - HAND SIGNALS (PORTUGUESE - BRAZILIAN)
160		7376100364	2	DECAL - DANGER BOOM NOT WALKWAY (PORTUGUESE - BRAZILIAN)
163		80005893	1	DECAL-DNGR-LMI OVERRIDE KEY

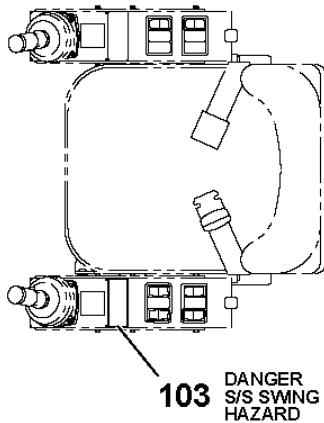
Manitowoc Cranes

Notes

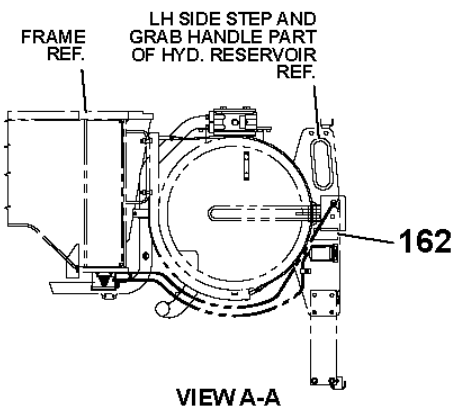
Manitowoc Cranes



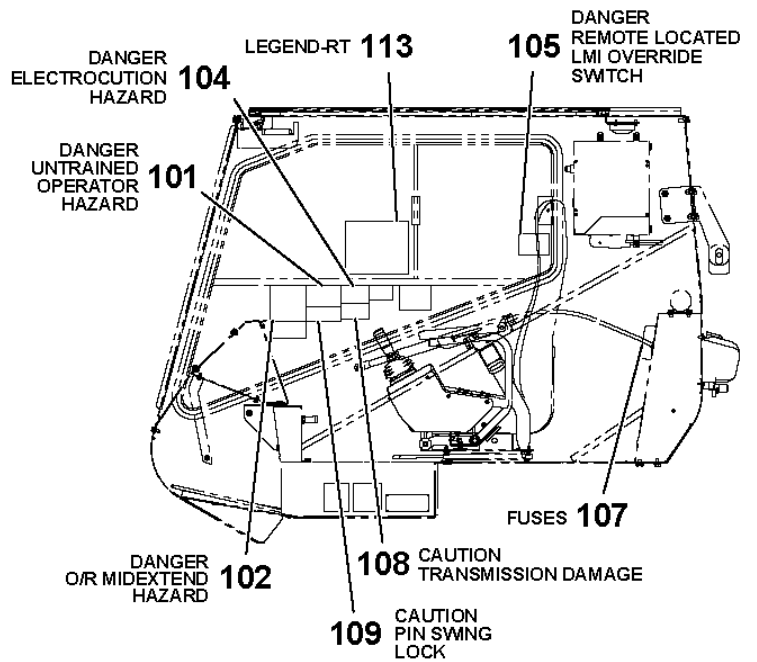
SUPERSTRUCTURE TOP VIEW



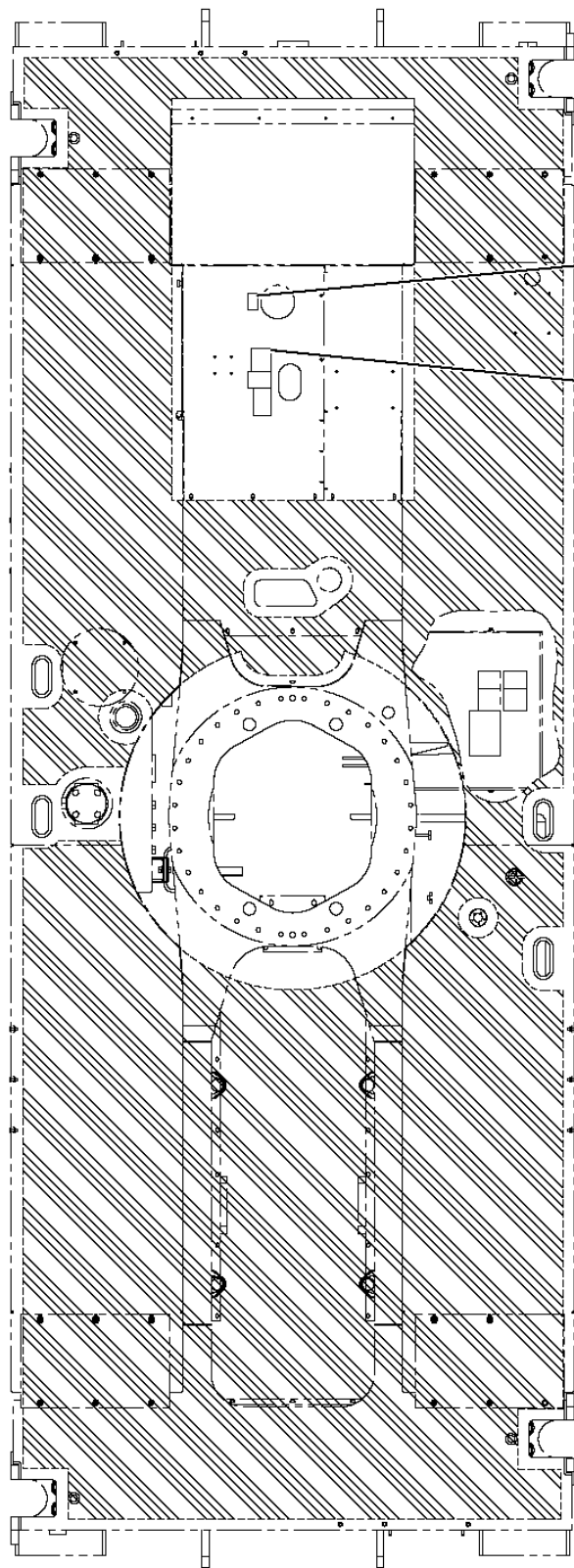
OPERATOR'S SEAT TOP VIEW



VIEW A-A



CAB LEFT INSIDE VIEW



CAUTION SPECIAL FILL 134

CAUTION FILL RATE 138

TOP VIEW W/O SUPERSTRUCTURE SHOWING NON-SKID PAINT

DANGER CWT LIFT HAZARD (BOTH SIDES) 141

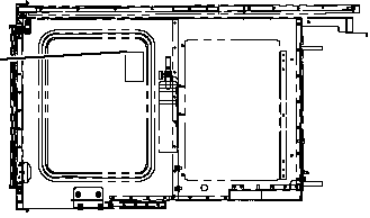
DANGER CWT LIFT HAZARD (BOTH SIDES) 141

EMERGENCY EXIT 111

MID EXTEND 131

DANGER COUNTERWEIGHT CRUSH HAZARD 140

DANGER LMI OVERRIDE SWITCH 163



DANGER ELECTROCUTION HAZARD 120

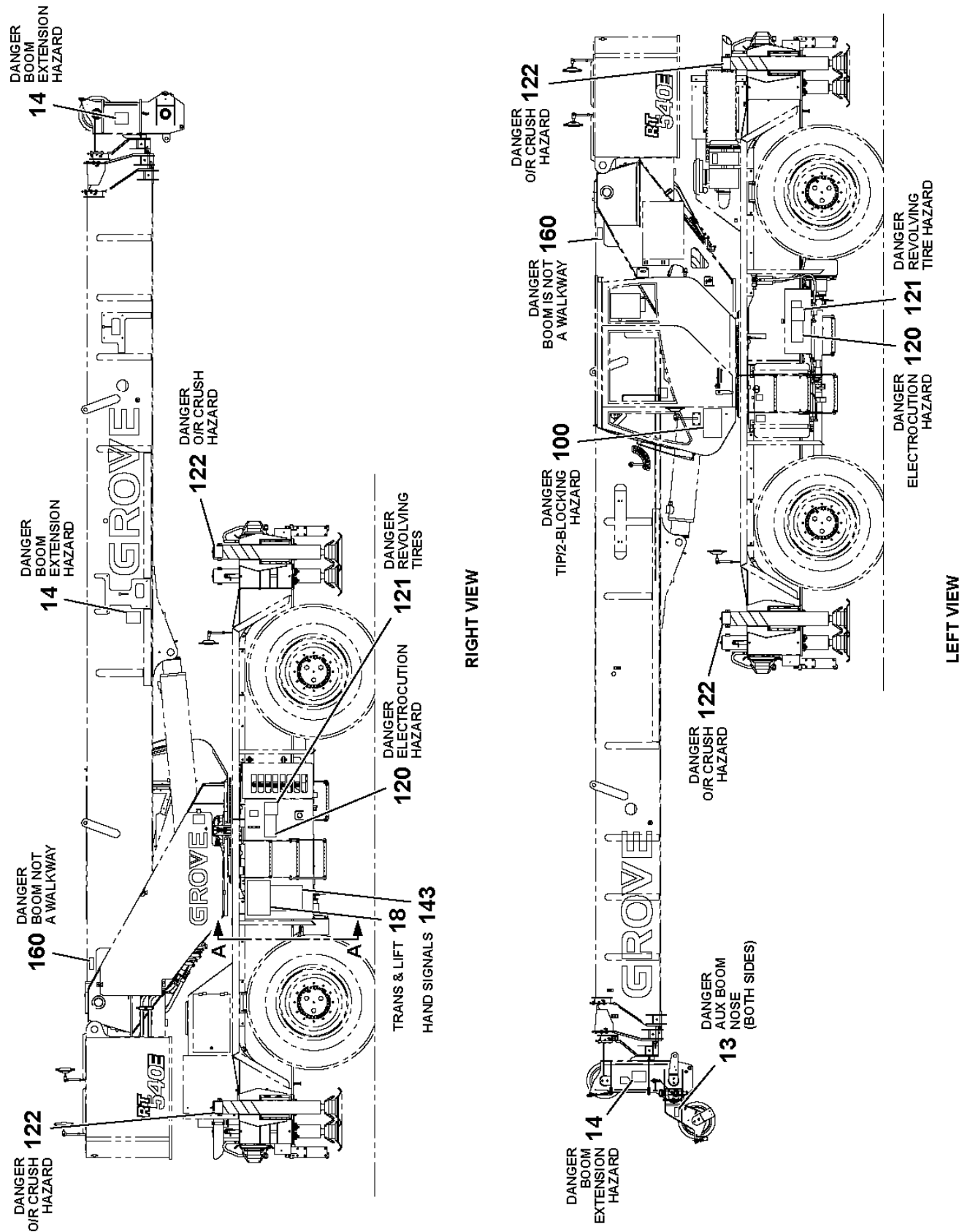
DANGER ELECTROCUTION HAZARD 120

FRONT VIEW

REAR VIEW

CAB REAR INSIDE VIEW

Manitowoc Cranes



Manitowoc Cranes

Description

DECAL INSTALLATION - RT540E (RUSSIAN)

Assembly No.

80006913

Revision: **A**

Item	FN	Part	Qty	Description
10		7376102444	1	DECAL - DANGER CABLE WEDGE (RUSSIAN)
13		7376102445	2	DECAL - DANGER AUXILIARY BOOM NOSE (RUSSIAN)
14		7376102443	3	DECAL - DANGER BOOM EXTENSION HAZARD (RUSSIAN)
18		7376103116	1	DECAL - TRANSPORTATION AND LIFTING DATA RT540E (RUSSIAN)
100		7376102447	1	DECAL - DANGER TIPPING/2 BLOCKING HAZARD (RUSSIAN)
101		7376103061	1	DECAL - DANGER UNTRAINED OPERATOR (RUSSIAN)
102		7376102449	1	DECAL - DANGER OUTRIGGER MID EXTENSION (RUSSIAN)
103		7376102450	1	DECAL - DANGER SUPERSTRUCTURE SWING (RUSSIAN)
104		7376102451	1	DECAL - DANGER ELECTROCUTION HAZARD (RUSSIAN)
105		80005883	1	DECAL-DGR-REM LMI OVRDE KEY (RUSSIAN)
107		7376103062	1	DECAL - FUSES(RUSSIAN) RT535E
108		7376102551	1	DECAL - CAUTION TRANSMISSION DAMAGE (RUSSIAN)
109		7376102454	1	DECAL - CAUTION PIN SWING LOCK (RUSSIAN)
111		7376102455	1	DECAL - EMERGENCY EXIT (RUSSIAN)
113		7376103063	1	DECAL - SYMBOL ID (RUSSIAN)
120		7376102457	4	DECAL - DANGER ELECTROCUTION HAZARD (RUSSIAN)
121		7376102458	2	DECAL - DANGER REVOLVING TIRES (RUSSIAN)
122		7376102459	4	DECAL - DANGER OUTRIGGER CRUSHING HAZARD (RUSSIAN)
130		7376102461	4	DECAL - MID-EXTEND OUTRIGGERS > (RUSSIAN)
131		7376102462	4	DECAL - MID-EXTEND OUTRIGGERS < (RUSSIAN)

Manitowoc Cranes

Description

DECAL INSTALLATION - RT540E (RUSSIAN)

Assembly No.

80006913

Revision: **A**

Item	FN	Part	Qty	Description
134		7376102589	1	DECAL - CAUTION SPECIAL FILL REQUIREMENT (RUSSIAN)
138		7376103064	1	DECAL - FILL RATE (RUSSIAN)
140		7376102463	2	DECAL - DANGER COUNTERWEIGHT CRUSHING HAZARD (RUSSIAN)
141		7376102464	4	DECAL - DANGER COUNTERWEIGHT LIFT (RUSSIAN)
142		7376102444	1	DECAL - DANGER CABLE WEDGE (RUSSIAN)
143		7376102465	1	DECAL - HAND SIGNALS (RUSSIAN)
160		7376102466	2	DECAL - DANGER BOOM NOT WALKWAY (RUSSIAN)
162		7376103070	1	DECAL - CAUTION 240 VOLT ONLY 50 AMP (RUSSIAN)
163		80005894	1	DECAL-DNGR-LMI OVERRIDE KEY (RUSSIAN)

Manitowoc Cranes

Alphabetical Index		Appendix A
Description	Part	Page
(ENGLISH)	80005871	705, 729
1" I.D. HYDR HOSE ASSY STR-45	7555603062	137
1.00 ACOUSTIC FOAM	80019606	263
	80019607	263
	80019608	263
	80019609	263
	80019610	263
	80019611	263
	80019612	263
1.75"ID X 2.13"OD WRAPPED HOSE	8596902521	565, 643
1/2 X 18" NYLON FUEL TUBE	7916080182	653
1/2" I.D. X 72" LONG	7555307200	485
1/4" I.D. X 20"	7561102003	567
1/4" I.D. X 60"	7561106003	567
16 - 14 AWG	7345261701	634
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7242000021	1	1	3	10	PLUG, 1" BUTTON	67, 409
7242100005	1	1	2	38	PLUG, L SERIES LH1 PANEL	248, 269
7246003057	0	0	1	2	CABLE ASSY, BRAKE	303
7246100338	0	0	1	10	CABLE ASSY, EXTEND	5
7246100415	0	0	1	4	CABLE, 8MM DIA RETARCT	5
7246100416	0	0	1	8	CABLE, 8MM DIA RETRACT	5
7246100417	0	0	1	4	CABLE, 9.5MM DIA SYNCHRO	5
7345001444	1	1	3	19	TERMINAL, FEMALE	205, 259, 283, 291, 299
7345001446	1	1	3	10	TERMINAL, MALE	259, 270, 284, 291
7345001713	1	1	3	3	CONNECTOR, BUTT	321
7345001744	1	1	3	16	TERMINAL, FEMALE	248, 270, 283, 299, 322, 633
7345001746	1	1	3	8	TERMINAL, MALE	248, 283, 322
7345001752	1	1	3	5	TERMINAL	299
7345001944	1	1	3	1	TERMINAL, FEMALE	283
7345211701	1	1	3	10	TONGUE, INSULATED RING	285, 457
7345211901	1	1	3	7	TERMINAL	165, 300
7345212101	1	1	3	2	TERMINAL	299
7345221901	1	1	3	3	TERMINAL	165, 300
7345231701	1	1	3	3	TERMINAL	452
7345231901	1	1	3	3	TERMINAL	299, 450
7345232001	1	1	3	1	TERMINAL	450
7345232101	1	1	3	4	TERMINAL	299, 449
7345241701	1	1	3	6	TONGUE, INSULATED RING	300, 369, 449, 693
7345241901	1	1	3	8	TONGUE, INSULATED RING	205, 449
7345242001	1	1	3	1	TERMINAL	449
7345242101	1	1	3	1	TERMINAL	115
7345261701	1	1	3	1	16 - 14 AWG	634
7345261901	1	1	3	2	TERMINAL	633
7352000878	0	0	1	1	SENDER, FUEL LEVEL	653
7352100036	0	0	1	1	SENSOR-COOLANT LEVEL	651
7364001457	1	1	3	1	TAB, MALE	270
7364001682	1	1	3	6	CONNECTOR, 2 CONDUCTOR	21, 205, 450
7364001683	1	1	3	6	CONNECTOR, 2 CONDUCTOR	19, 205, 207, 450
7364001684	1	1	3	2	CONNECTOR, 3 CONDUCTOR	283
7364001685	1	1	3	1	CONNECTOR, 3 CONDUCTOR	284
7364001846	1	1	3	6	TERMINAL	21, 207
7364001847	1	1	3	4	TERMINAL, FEMALE SLEEVE	21
7364002614	0	0	1	2	JOINT, 90 DEGREE LIVE	5
7364100051	1	1	3	6	PLUG	423, 449

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7364100052	1	1	3	10	SEAL	450
7364100058	1	1	3	4	SEAL, RED PLUG	450
7373000159	1	1	2	1	KIT, SEAL	401
7373100108	1	1	2	2	KIT, CYLINDER SEAL	12
7373100116	1	1	2	2	SEAL KIT - LIFT CYLINDER	160
7406000537	0	0	2	2	BELLOWS	561, 643
7406001053	0	0	2	2	BELLOWS	643
7437000873	4	4	6	1	FILTER, TRANSMISSION FLUID	611
7440000000	0	0	1	58	FITTING, 1/8 STRAIGHT GREASE	7, 15, 65, 73, 77, 81, 103, 160, 493, 503, 519, 527
7440000200	0	0	1	1	FITTING, 45 DEGREE GREASE	517
7440000400	0	0	1	4	FITTING, 90 DEGREE GREASE	6, 395
7440000401	0	0	1	1	FITTING, 90 DEGREE GREASE	517
7440030000	0	0	1	2	FITTING, STRAIGHT GREASE	53, 701
7443100140	0	0	1	20	COUPLING, 3/8" TEST PORT	138, 489
7444020031	1	1	3	1	PLUG, PIPE	604
7445040219	0	0	1	2	ADAPTER, STRAIGHT	209
7445040220	0	0	1	2	ELBOW, 90 DEGREE	209
7445040453	0	0	1	2	ELBOW, 90 DEGREE	567, 653
7445040472	0	0	1	1	ELBOW, 90 DEGREE	136
7445040645	0	0	1	1	ELBOW, 90 DEGREE MALE	136
7445060439	0	0	1	3	ADAPTER, REDUCING FEMALE	136
7445060642	0	0	1	3	NUT	136
7445060651	0	0	1	1	UNION, STRAIGHT	566
7445060653	0	0	1	1	ELBOW, 90 DEGREE	647
7445080450	0	0	1	2	BUSHING, REDUCER	651, 653
7445080650	0	0	1	2	BUSHING, REDUCER	568
7445080803	0	0	1	2	ADAPTER, STRAIGHT	109
7445080804	0	0	1	2	ELBOW, 90 DEGREE	109
7445080808	0	0	1	2	ADAPTER, SWIVEL	109
7445120809	0	0	1	2	ADAPTER, 45 DEGREE SWIVEL	566
7445121253	0	0	1	1	ELBOW, 90 DEGREE	565
7445160850	0	0	1	2	BUSHING, REDUCER	568, 651
7445161217	0	0	1	2	REDUCING CONNECTOR	565
7446080836	0	0	1	2	ELBOW, 90 DEGREE MALE	653
7447040401	0	0	1	4	ADAPTER, STRAIGHT	134, 487
7447040403	0	0	1	5	ELBOW, 90 DEGREE	136, 562, 565
7447040408	0	0	1	1	ELBOW, 45 DEGREE MALE	138
7447040416	0	0	1	2	CAP ASSY, FEMALE ORS THREAD	486
7447040428	0	0	1	2	ADAPTER, STRAIGHT	566
7447040430	0	0	1	1	ELBOW, 90 DEGREE	565
7447040434	0	0	1	1	TEE, MALE RUN	566
7447040446	0	0	1	4	ADAPTER - 45 DEGREE	489

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7447040501	0	0	1	4	ADAPTER, STRAIGHT	488
7447040601	0	0	1	10	ADAPTER, STRAIGHT	134, 487, 566
7447040603	0	0	1	2	FITTING, 90 DEGREE	487
7447060401	0	0	1	5	ADAPTER, STRAIGHT MALE	139, 167, 487
7447060403	0	0	1	5	ELBOW, 90 DEGREE MALE	134, 138, 489
7447060413	0	0	1	2	REDUCER	138
7447060601	0	0	1	28	ADAPTER, STRAIGHT MALE	133, 167, 486
7447060603	0	0	1	2	ELBOW, 90 DEGREE	139, 489
7447060605	0	0	1	1	TEE, RUN	139
7447060617	0	0	1	3	UNION, BULKHEAD	134
7447060633	0	0	1	9	ELBOW, 90 DEGREE MALE	135, 485
7447060634	0	0	1	8	TEE, FEMALE RUN	133, 485
7447060635	0	0	1	3	TEE, BRANCH	135, 136
7447060801	0	0	1	6	ADAPTER, STRAIGHT MALE	135, 167, 485
7447060803	0	0	1	2	ELBOW, 90 DEGREE MALE	134
7447060830	0	0	1	1	ELBOW, 90 DEGREE MALE	568
7447061001	0	0	1	1	ADAPTER, STRAIGHT	136
7447061003	0	0	1	1	FITTING, 90 DEGREE	136
7447080428	0	0	1	2	ADAPTER, STRAIGHT MALE	565
7447080430	0	0	1	4	ELBOW, MALE ORS THD TO MALE N	653
7447080601	0	0	1	1	ADAPTER, STRAIGHT	133
7447080603	0	0	1	1	ELBOW, 90 DEGREE	399
7447080613	0	0	1	1	REDUCER	167
7447080801	0	0	1	14	ADAPTER, STRAIGHT	133, 403, 485
7447080803	0	0	1	3	ELBOW, 90 DEGREE MALE	399
7447080816	0	0	1	2	CAP	489
7447080829	0	0	1	1	ELBOW, 45 DEGREE	653
7447080833	0	0	1	1	ELBOW, 90 DEGREE MALE	134
7447100413	0	0	1	2	REDUCER	139
7447101001	0	0	1	4	ADAPTER, STRAIGHT	136
7447101034	0	0	1	2	TEE	139
7447120413	0	0	1	2	REDUCER	486
7447120803	0	0	1	2	ELBOW, 90 DEGREE	487
7447121001	0	0	1	4	ADAPTER, STRAIGHT	488, 567
7447121003	0	0	1	2	ELBOW, 90 DEGREE	567
7447121201	0	0	1	5	ADAPTER, STRAIGHT MALE	486, 566
7447121203	0	0	1	1	ELBOW, 90 DEGREE	133
7447121208	0	0	1	2	ELBOW, 45 DEGREE MALE	485, 568
7447121216	0	0	1	2	CAP, 3/4 ORS	486
7447121217	0	0	1	1	UNION, BULKHEAD	133
7447121232	0	0	1	2	ELBOW, #12 BULKHEAD UNION 90	133
7447121233	0	0	1	2	ELBOW, 90 DEGREE	133, 567
7447121601	0	0	1	2	ADAPTER, STRAIGHT	133, 488
7447161201	0	0	1	4	ADAPTER, STRAIGHT	137, 569

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7447161203	0	0	1	5	ELBOW, 90 DEGREE	137, 486, 569
7447161601	0	0	1	4	ADAPTER, STRAIGHT	133, 159
7447161603	0	0	1	3	ELBOW, 90 DEGREE MALE	5, 160
7447161638	0	0	1	2	ELBOW, 90 DEGREE LONG	133
7447201603	0	0	1	1	ELBOW, 90 DEGREE MALE	138
7447201628	0	0	1	1	ADAPTER, STRAIGHT	569
7447202001	0	0	1	2	ADAPTER, STRAIGHT MALE	138
7447202032	0	0	1	2	ELBOW, #20 BULKHEAD UNION 90	133
7482000029	1	1	1	4	FUSE, 30 AMP	293, 300, 451
7482000032	1	1	1	4	FUSE, 15 AMP	293
7482000033	1	1	1	9	FUSE, 10 AMP	293, 452
7482000035	1	1	1	6	FUSE, 5 AMP	293, 363, 452, 693
7482000555	1	1	1	3	FUSE, 100 AMP	663
7482000572	1	1	1	2	FUSE	455
7482100000	1	1	1	2	FUSE, MAXI HOLDER	451
7482100005	1	1	1	2	FUSE, MAXI 50AMP	451
7486000225	0	0	1	1	LEVEL, CIRCULAR	220
7486000629	0	0	1	1	INDICATOR, SERVICE	671
7486000836	0	0	1	1	THERMOMETER	461
7486002666	0	0	1	1	GAUGE, WINDOW	651
7486002936	0	0	1	1	GAUGE, OIL LEVEL	461
7486100024	0	0	1	1	GAUGE, CLUSTER	269
7486100100	0	0	1	2	GAUGE, 12 VOLT TACHOMETER	269
7506000021	0	0	2	1	GROMMET	175
7581100000	1	1	1	1	LIGHT, STROBE	213
7593000081	0	0	1	1	LEVER, BRAKE	303
7671100005	0	0	2	2	PAD	413
7671100007	1	1	2	1	PAD, WEAR	85
7671100010	1	1	2	8	WEAR PAD, SIDE	73
7671100016	1	1	2	2	PAD, WEAR	85
7671100021	1	1	2	6	PAD, SIDE WEAR	5
7671100079	1	1	2	2	WEAR PAD	7
7671100081	1	1	2	4	TEFLON PLUG	7
7671100082	1	1	2	12	PAD ASSY, WEAR	7
7671100095	1	1	2	4	PAD, WEAR	86
7671100179	1	1	2	4	PAD ASSY, 2 BOLT FRONT	7
7671100185	1	1	2	2	PAD ASSY, 4 BOLT FRONT LEFT	5
7671100186	1	1	2	2	PAD ASSY, 4 BOLT FRONT RIGHT	5
7671100187	1	1	2	2	PAD ASSY, RIGHT HAND WEAR	7
7671100188	1	1	2	2	PAD ASSY, LEFT HAND WEAR	7
7689000503	1	1	3	251	PLUG, SEALING	115, 205, 231, 233, 259, 284, 300, 321, 363, 369, 449, 633, 681
7689000813	1	1	3	6	PIN	115, 299

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7709000031	0	0	1	18	O-RING PLUG #6	138, 159
7709000038	0	0	1	6	O-RING PLUG #8	134, 138, 485
7709000157	0	0	1	1	PLUG, MAGNETIC	461
7709000811	1	1	3	2	PLUG	259, 353
7709000812	1	1	3	5	PLUG	253, 255, 259
7709000838	1	1	3	3	PLUG	451
7709000844	1	1	3	96	PLUG, 2 SOCKET	205, 369, 449, 634
7709000845	1	1	3	7	PLUG	205, 283, 369
7709000846	1	1	3	30	PLUG, 12 SOCKET	205, 283, 351, 369, 449, 451, 633
7709000849	1	1	3	3	PLUG	206, 450
7709000850	1	1	3	3	PLUG	205, 451
7709000874	1	1	3	14	PLUG	115, 205, 284, 369, 452, 633
7709000876	1	1	3	10	PLUG, 1 SOCKET	114, 299
7709000883	1	1	3	8	PLUG	114, 207, 283, 451
7709000936	1	1	3	6	PLUG, 4 SOCKET	207, 452, 634
7709100870	1	1	3	1	PLUG, 4 PASS	634
7709100877	1	1	2	5	PLUG	206, 259, 365, 449
7709100883	1	1	3	2	PLUG, 40 SOCKET	283
7709100884	1	1	3	2	PLUG, 40 SOCKET	283
7709100890	1	1	3	2	PLUG, DEUTSCH DRC26-50S-04	633
7709100891	1	1	3	6	PLUG, 2-PASS DEUTSCH DTP	300, 452, 633
7709100895	1	1	3	10	PLUG, 4 SOCKET	207, 452
7709100902	1	1	3	8	PLUG, 3 PIN	206, 284, 633
7709100907	1	1	3	6	PLUG DTM06,12SA W/WM-12S WEDGE	283, 369, 452
7709100908	1	1	3	4	PLUG DTM06-12SB W/WM-12S WEDGE	283, 452
7709100929	1	1	3	8	PLUG, DTO6-12SB-C015 W/WEDGE	206, 369, 451
7709100930	1	1	3	2	PLUG, DTO6-12SC-C015 W/WEDGE	206
7709800000	1	1	3	4	PLUG, SAE #8	109
7750000055	0	0	1	1	RELAY, 12 VOLT DC	293
7750000056	0	0	1	2	RELAY, 75 AMP	299
7750000114	0	0	1	2	RELAY (HOSTILE ENVIRONMENT)	453
7750000793	0	0	1	3	RELAY, 200 AMP	455
7750160021	0	0	1	2	RELAY, 12 VOLT 100AMP	300
7753000376	0	0	2	1	RING, WIPER	12
7753000444	0	0	2	2	RING, WEAR	11
7753001553	0	0	2	2	RING, WEAR	399
7753100066	0	0	2	2	RING, 4" NYLATRON BACKUP	11
7754000140	0	0	2	2	O-RING, LOW TEMPERATURE	401
7754000143	0	0	2	1	O-RING, LOW TEMPERATURE	11
7754000151	0	0	2	1	O-RING, LOW TEMPERATURE	159
7754000154	0	0	2	1	O-RING, LOW TEMPERATURE	11
7754000157	0	0	2	1	O-RING, LOW TEMPERATURE	11

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7754000160	0	0	2	1	O-RING, LOW TEMPERATURE	401
7754000169	0	0	2	1	O-RING, LOW TEMPERATURE	11
7754100010	0	0	2	8	O-RING	171
7755011002	0	0	2	23	O-RING	134, 136, 138, 486, 487, 562, 565, 566
7755012002	0	0	2	52	O-RING	133, 134, 135, 136, 137, 138, 139, 167, 485, 486, 487, 489, 517
7755014000	0	0	2	2	O-RING	125
7755014002	0	0	2	15	O-RING	133, 134, 399, 403, 485, 568, 653
7755016002	0	0	2	2	O-RING	136, 139
7755016003	0	0	2	2	O-RING, LOW TEMP #10 ORFS	405
7755018002	0	0	2	23	O-RING	133, 136, 485, 486, 487, 488, 566, 567, 568
7755021002	0	0	2	18	O-RING	5, 133, 135, 137, 159, 160, 486, 569
7755025002	0	0	2	6	O-RING	138, 139, 569
7755107002	0	0	2	4	O-RING	123
7755110000	0	0	2	1	O-RING	607
7755152000	0	0	2	1	O-RING	96
7755219002	0	0	2	8	O-RING	136, 137
7755220000	0	0	2	2	O-RING	123
7755222002	0	0	2	9	O-RING	135, 485, 567
7755225002	0	0	2	7	O-RING	135, 485
7755228002	0	0	2	2	O-RING, 2"	486
7755232002	0	0	2	2	O-RING	562, 567
7755245000	0	0	2	2	O-RING	96
7755260000	0	0	2	1	O-RING	96
7755265000	0	0	2	1	O-RING	96
7755332609	0	0	2	2	RING, BACK-UP	401
7755342609	0	0	2	1	RING, BACK-UP	401
7755904002	0	0	2	42	O-RING	96, 109, 134, 136, 138, 139, 147, 159, 167, 401, 469, 487, 489, 562, 566
7755906002	0	0	2	20	O-RING	133, 134, 136, 138, 139, 159, 167, 399, 401, 485, 486, 487, 489, 566, 568
7755908002	0	0	2	16	O-RING	109, 133, 134, 135, 138, 146, 167, 399, 403, 485, 487, 653
7755910002	0	0	2	8	O-RING	136, 407, 476, 488, 567
7755912002	0	0	2	12	O-RING	119, 120, 133, 137, 485, 486, 566, 568, 569

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7755916002	0	0	2	10	O-RING	5, 133, 138, 159, 160, 488, 569
7755920002	0	0	2	1	O-RING	139
7794000272	0	0	1	8	CUP, BEARING	15, 65, 77, 81
7794000602	0	0	2	1	SEAL	11
7794000619	0	0	2	1	SEAL	11
7794001721	0	0	2	1	RUBBER, FLOCKED 154" LONG	235
7826000087	1	1	3	214	SOCKET, 16-14 GA	205, 253, 255, 259, 283, 369, 449
7826000092	1	1	3	14	SOCKET, (12) 12-14GA	300, 633
7826000095	1	1	3	6	SOCKET,	115, 449
7826000626	1	1	3	269	SOCKET,	205, 259, 351, 353, 369, 450
7826000635	1	1	3	2	SOCKET,	299
7826000650	1	1	3	79	PLUG, SEALING	206, 369, 452, 634
7826000651	1	1	3	50	SOCKET, 20 GA AU-PLATE	633
7826100004	1	1	3	524	SOCKET, (16 - 18) 30 SERIES	115, 205, 259, 283, 369, 450, 633
7826100013	1	1	3	10	SOCKET,	450
7826100016	1	1	3	6	SOCKET, DEUTSCH 22/20 GA NI	450
7826100018	1	1	3	246	SOCKET, 20 GAUGE GOLD	207, 259, 283, 365, 369
7834100003	0	0	1	4	SPRING	220
7834100009	0	0	1	2	SPRING, LOCKING	99
7872001408	0	0	1	1	SWITCH, SEAT	243
7872001734	0	0	1	2	TRANSMISSION SHIFTER ASSY(FNR)	343
7872001747	0	0	1	1	SWITCH, TURNSIGNAL/WIPER	343
7872100051	0	0	1	1	SWITCH, IGNITION	269
7872100071	0	0	1	2	SWITCH, EMERGENCY STOP	269
7872100091	0	0	1	2	SWITCH, HEATER CNTRL EATON 12V	269
7872100095	0	0	1	2	SWITCH, L-SERIES ENGNE INC/DEC	269
7872100100	0	0	1	2	SWITCH, L-SERIES HAZARDS	269
7872100104	0	0	1	2	SWITCH, L-SERIES AIR CONDITION	325
7872100105	0	0	1	2	SWITCH, L-SERIES FAN HI/MED/LO	269
7872100106	0	0	1	2	SWITCH, L-SERIES HEATER ON/OFF	269
7872100107	0	0	1	2	SWITCH,L-SERIES CRANE FUNC PWR	269
7872100108	0	0	1	2	SWITCH,L-SERIES SKYLIGHT WIPER	269
7872100110	0	0	1	2	SWITCH, L-SERIES WORK LIGHTS	269
7872100111	0	0	1	2	SWITCH, L-SERIES BOOM LIGHTS	333
7872100112	0	0	1	2	SWITCH,L-SERIES LF O/R BM/STAB	269
7872100113	0	0	1	2	SWITCH,L-SERIES RF O/R BM/STAB	269
7872100114	0	0	1	2	SWITCH,L-SERIES LR O/R BM/STAB	269
7872100115	0	0	1	2	SWITCH,L-SERIES RR O/R BM/STAB	269
7872100117	0	0	1	2	SWITCH, L-SERIES O/R EXT/RET	269
7872100118	0	0	1	2	SWITCH, L-SERIES MAIN HOIST	248

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7872100119	0	0	1	2	SWITCH, L-SERIES AUX HOIST	248
7872100123	0	0	1	2	SWITCH, L-SERIES SWING BRAKE	248
7872100124	0	0	1	2	SWITCH, L-SERIES SWING SPEED	248
7872100125	0	0	1	2	SWITCH, L-SERIES CAB TILT	248
7872100132	0	0	1	1	SWITCH, KEY OPERATED 2 POSITIO	321
7872100138	0	0	1	2	SWITCH, L-SERIES DRIVE SELECT	269
7872100139	0	0	1	2	SWITCH, L-SERIES REAR STEER	248
7872100142	0	0	1	2	DISCONNECT SWITCH	663
7872100145	0	0	1	2	SWITCH, L-SERIES DEFROST FAN	269
7872100170	0	0	1	2	SWITCH, 120 TEMPERATURE (N.C.)	138
7872100171	0	0	1	2	SWITCH, 190 TEMPERATURE (N.C.)	485
7872100179	0	0	1	2	SWITCH, TEMPERATURE 250 (N.C.)	568
7872100210	0	0	1	2	SWITCH L-SERIES HEADLIGHTS	269
7872100211	0	0	1	2	SWITCH L-SERIES PARK BRAKE	269
7888000045	0	0	1	1	TEE	565
7888100000	0	0	1	2	TEE, SPLIT FLANGE BRANCH	485
7892000195	1	1	3	28	PARALLEL, NON - INSULATED	206, 259, 285, 449, 457
7892000196	1	1	3	17	PARALLEL, NON - INSULATED	165, 451
7892000198	1	1	3	2	PARALLEL - NON-INSULATED 4 AWG	206
7892000218	1	1	1	14	FUSE, TERMINAL	299
7892000219	1	1	1	2	FUSE, TERMINAL	300
7892000220	1	1	1	16	FUSE, BUSS BAR	299
7892000252	1	1	3	8	TERMINAL, MALE PIN	19, 284, 450
7892000253	1	1	3	10	TERMINAL, FEMALE SLEEVE	205, 284
7892000254	1	1	3	20	TERMINAL, GREEN CABLE SEAL	205, 284, 449
7892000255	1	1	3	2	TERMINAL, GRAY CABLE SEAL	19
7892000256	1	1	3	10	TERMINAL, BLUE CABLE SEAL	21, 207
7892000257	1	1	3	9	TERMINAL, GREEN CAVITY	205, 284, 450
7892000809	1	1	3	4	TERMINAL, RELAY WATERPROOF	452
7892000824	1	1	3	2	RECEPTACLE,	231, 233
7892000831	1	1	3	1	RECEPTACLE,	353
7892000832	1	1	3	4	RECEPTACLE,	253, 255, 259
7892000836	1	1	3	6	RECEPTACLE, 2 PIN	213, 329, 681
7892000843	1	1	3	10	TERMINAL, FEMALE	449, 633
7892000939	1	1	3	6	RECEPTACLE,	114, 299
7892000949	1	1	3	16	RECEPTACLE,	205, 284, 369, 450, 634
7892000951	1	1	3	6	RECEPTACLE,	206, 283, 300, 351, 369, 451
7892000978	1	1	3	2	RECEPTACLE,	205, 452
7892000979	1	1	3	2	RECEPTACLE,	206
7892000986	1	1	3	4	RECEPTACLE,	115, 449
7892001012	1	1	3	2	RECEPTABLE, 12 P FLANGE	114
7892001036	1	1	3	8	RECEPTACLE, SPLICE BLOCK	205, 283, 449
7892001051	1	1	3	7	RECEPTACLE,	207, 321, 452, 457

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7892001053	1	1	3	2	RECEPTACLE, 9 PIN	283, 451
7892100003	1	1	3	6	TERMINAL, DARK RED CABLE SEAL	450, 633
7892100025	1	1	3	4	DEUTSCH DTP 2-PASS RECEPTACLE	207, 452
7892100026	1	1	3	8	RECEPT, (8P) SPLICE BLOCK	205, 259, 283
7892100032	1	1	3	4	TERMINAL, FEMALE	363
7892100036	1	1	3	12	RECEPTACLE, 3 WAY	206, 284, 369, 451, 633
7892100039	1	1	3	6	RECEPTACLE, DTM04-4P	207, 452
7892100086	1	1	3	8	RECEPT, DTO4-12PB-C015 W/WEDGE	283, 321, 369
7892100087	1	1	3	2	RECEPT, DTO4-12PC-C015 W/WEDGE	283
7926003526	1	1	1	1	FUSE, VELOCITY	137
7949000333	0	0	1	8	WASHER, THRUST	6
7949000383	0	0	1	4	WASHER, THRUST	157
7949000385	0	0	1	2	WASHER, THRUST	103
80004700	1	1	3	52	SEALING PLUG - NYLON	363
80008491	0	2	3	2	SWITCH, KEY	322
80017252	1	1	2	4	PIN ASSY	417
80017317	0	0	1	2	SWITCH, PROXIMITY NORMALLY OPEN	493
90000105	0	0	2	2	O-RING	147
90001067	1	1	2	2	KIT, SEAL	147
90001159	4	4	6	2	ELEMENT, PRIMARY	673
90001160	4	4	6	2	ELEMENT, SECONDARY	673
90011561	1	1	1	2	FUSE, 2A	317
90011562	1	1	1	2	FUSE, 15A	317
90011563	1	1	1	2	FUSE, 7.5A	317
90012231	0	0	1	2	FITTING, ELBOW	308
90012233	0	0	1	4	FITTING, TEE	308
90012853	0	0	2	4	SEAL	603
90014991	0	0	2	2	O-RING, 0146 X 4.0	113
90020184	1	1	2	2	KIT, SEAL	125
9049100895	0	0	1	2	OUTER	499, 523
9049101566	0	0	1	1	BEARING	603
9049101687	0	0	1	48	STUD	508, 532
9049101693	0	0	1	4	CONE, BEARING	508, 532
9049104578	0	0	1	2	BEARING	499, 523
9049106322	0	0	2	12	O-RING	508, 532
9049108948	0	0	1	2	CONE, BEARING	499, 523
9049109690	0	0	1	2	CONE, BEARING	499, 523
9049111761	1	1	2	2	KIT, SEAL	513, 537
9049112263	0	0	1	4	CUP, BEARING	499, 523
9049112264	0	0	1	4	CONE, BEARING	499, 523
9049112685	1	1	2	8	SEAL	508, 532
9049112768	0	0	1	8	WASHER, THRUST	500, 524
9049112769	0	0	1	16	WASHER, THRUST	500, 524
9049112781	0	0	2	16	SEAL	503, 508, 527, 532

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9049112786	0	0	2	8	SEAL, OIL	499, 523
9086100639	0	0	1	1	KIT, LATCH	53
9086101320	0	0	1	6	WHEEL, SHEAVE	701
9086101340	0	0	1	4	WASHER, THRUST	701
9176100603	0	0	2	1	O-RING	253
9188101041	0	0	1	2	KIT, LINING	619, 641
9188101043	0	0	1	2	KIT, SPRING	619, 641
9188101078	1	1	2	4	KIT,SEAL	619, 641
9246100168	0	0	2	1	BOOT, RED	637
9246100177	0	0	2	12	BOOT, RED	637, 667
9246100185	0	0	2	2	BOOT, BLACK	637
9326100495	0	0	2	2	BOOT, LOWER END	349
9326100496	0	0	2	2	BOOT, UPPER END	349
9326100498	0	0	1	4	SPRING	349
9326100499	0	0	1	4	SPRING	349
9333101471	0	0	1	2	FITTING, BULKHEAD ADAPTER	61
9333102230	0	0	1	1	A2B SWITCH - WITH	27
9333102232	0	0	1	1	LANYARD	35
9333102238	0	0	1	1	A2B SWITCH, WITHOUT CRIMP	47
9333102373	0	0	1	1	FLAG, RETAINER	35
9333102765	1	1	3	2	CONNECTOR ASSEMBLY	27
9333103897	0	0	1	2	POTENTIOMETER,LENGTH	29
9333103898	0	0	1	2	SENSOR,ANGLE	29
9333103906	1	1	3	2	PLUG,CONNECTOR ASSY.5 PIN PASS	29
9352100657	0	0	2	4	GASKET	253, 255
9352100751	1	1	2	1	KIT, GASKET AND HARDWARE	653
9352100771	0	0	2	4	BOOT	253, 255
9352100772	0	0	2	4	GASKET	253, 255
9352100790	0	0	1	2	SWITCH, PUSH BUTTON	253
9364101577	0	0	1	1	FITTING, GREASE	555
9364101829	1	1	2	2	KIT, SEAL	111
9364101830	1	1	2	2	KIT, SEAL	111
9364101868	0	0	2	2	SEAL, SHAFT	557
9364101870	0	0	1	2	FITTING, GREASE	557
9372103537	1	1	2	4	KIT, SEAL	515, 539
9372103551	1	1	2	2	KIT, SEAL	407
9372103587	1	1	2	2	KIT, SEAL	517
9414101679	4	4	6	2	FILTER,OIL	569
9414101755	4	4	6	2	FILTER, PRIMARY FUEL	569
9414101756	4	4	6	2	FILTER, FUEL/WATER SEPARATOR	569
9414101764	1	1	1	2	BELT, DRIVE	569
9425100079	0	0	1	2	SWITCH ASSY.	241
9437100452	1	1	2	1	KIT, SEAL	463
9437100456	0	0	1	1	GAUGE	463

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9437100479	0	0	2	1	O-RING, SQUARE	463
9437100480	0	0	2	1	GASKET	463
9437100825	1	2	3	1	ELEMENT	463
9511100017	0	0	2	4	BOOT, CAP	253, 255
9515102838	0	0	1	2	THERMOSTAT	307
9515102848	0	0	2	2	GROMMET	307
9515102865	0	0	1	2	SWITCH,PRESSURE	329
9576101074	1	1	1	2	KEY	221
9576101101	1	1	2	2	KIT,SEAL BRAKE	97
9576101102	1	1	2	2	KIT,DISC BRAKE	97
9576101127	0	0	1	324	BEARING,NEEDLE	95
9576101135	0	0	1	2	BEARING	96
9576101186	1	1	2	2	KIT,SEAL MOTOR	96
9576101193	0	0	2	4	O-RING #6	329
9576101194	0	0	2	8	O-RING #10	329, 683
9576101331	0	0	2	2	SEAL, OIL	95
9576101332	0	0	1	2	BEARING	95
9576101334	0	0	2	2	O-RING	95
9576101335	0	0	1	2	BEARING	95
9576101336	0	0	1	108	BEARING, NEEDLE	95
9576101337	1	1	2	2	KIT, SEAL	97
9576101338	0	0	2	8	O-RING	97
9576101343	0	0	1	2	KIT, MOTOR WITH HARDWARE AND B	231, 233
9576101347	1	1	2	4	BLADE, WIPER 34"	231, 233
9576101424	1	1	1	2	BELT, DRIVE	681
9581100048	1	1	1	2	BULB	220
9581100396	1	1	1	1	BULB, HALOGEN	423
9581100405	1	1	1	1	BULB, 12 VOLT	269
9581100406	1	1	1	1	BULB, 12 VOLT	287
9581100461	0	0	2	4	GROMMET, RUBBER	423
9722105443	0	0	1	8	BEARING	621
9722105445	1	1	2	2	KIT, SEAL	621
9722105547	0	0	1	2	BEARING	623
9722105548	0	0	1	2	BEARING	623
9722105557	0	0	2	2	SEAL, SHAFT	624
9722105560	0	0	2	14	O-RING	624
9722105563	0	0	2	2	O-RING	624
9722105566	1	1	2	2	KIT, SEAL	624
9722105567	0	0	2	2	O-RING	623
9722105568	0	0	2	4	O-RING	623
9722105569	0	0	2	2	O-RING	624
9752100994	1	1	2	2	KIT, REPAIR	125, 471
9752100996	1	1	2	1	KIT, REPAIR	467
9752101039	1	1	2	1	KIT, REPAIR	475

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9752101414	1	1	2	2	KIT, SEAL MOUNTING	461
9872100243	1	1	1	2	KEY	321
9872100256	1	1	1	1	SET, KEY	269
9880100222	0	0	2	2	GASKET	461
9904101047	1	1	3	1	PLUG	603
9904101348	0	0	2	2	RING, SNAP	593, 599
9904101353	0	0	1	1	BEARING, GEAR	597
9904101354	0	0	2	4	RING, SNAP	589
9904103500	0	0	2	2	O-RING	575, 611
9904103570	0	0	2	1	RING	599
9904103575	0	0	1	1	BEARING, PILOT	591
9904103612	0	0	1	4	BEARING	603
9904103621	0	0	2	2	RING, RETAINING	579, 603
9904103660	0	0	2	1	O-RING	607
9904103779	0	0	2	8	O'RING POLYACUL	575
9904103887	0	0	2	1	GASKET	611
9904103893	0	0	2	2	RING, LOCATING	589
9904103899	0	0	1	2	RING, RETAINING	587, 589
9904103993	0	0	2	1	O-RING	603
9904103994	0	0	2	1	O-RING	603
9904103997	0	0	2	2	O-RING	604
9904104053	0	0	1	1	BEARING ASSEMBLY	595
9904104423	0	0	1	1	BEARING	589
9904104428	0	0	1	1	BEARING	583
9904104432	0	0	1	2	BEARING	587, 589
9904105299	0	0	2	1	O-RING	607
9904105302	0	0	2	2	SEAL	607
9904105307	0	0	2	1	SEAL	607
9904105336	0	0	2	3	O-RING	575
9904105441	0	0	2	2	GASKET	575
9904105957	0	0	2	1	RING, SEAL	579
9904106063	1	1	3	2	PLUG WITH O-RING	575
9904106364	0	0	2	1	GASKET	601
9904106445	0	0	2	7	O-RING	573, 575
9904106593	0	0	2	1	GASKET	587
9904107179	0	0	2	1	O-RING	607
9904108409	0	0	2	1	O-RING	603
9904110599	0	0	2	4	GASKET	587
9904110605	0	0	2	2	GASKET	613
9904110793	0	0	2	2	O-RING	615
9904110794	0	0	2	2	O-RING	615
9904110795	0	0	2	2	O-RING	615
9904110796	0	0	2	2	O-RING	615
9926105593	1	1	2	1	KIT, REPAIR	475

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9926107803	1	1	2	1	KIT, SEAL	12
9926108124	1	1	2	1	KIT, REPAIR	476
9926108423	1	1	2	2	KIT, SEAL	125, 475
9926108644	1	1	2	3	KIT, SEAL	125, 475
9926111468	0	0	2	5	SEAL-SPECIAL	119, 120, 121, 123
9926111469	0	0	2	4	O-RING	119, 123
9926111470	0	0	2	2	SEAL-SPECIAL	119, 123
9926111719	1	1	2	1	KIT, SEAL	476
9926112358	1	1	2	1	KIT, SEAL	125
9926112501	0	0	2	4	O-RING,VITON	126
9926112933	1	1	2	2	KIT, SEAL	401
9926112997	1	1	2	2	KIT, SEAL	475
9926113031	1	1	2	2	KIT, SEAL	123
9926113032	1	1	2	2	KIT, SEAL	123
9926113057	1	1	2	6	KIT, SEAL	125, 469
9926113110	0	0	2	2	SEAL, DUST RING	345
9926113112	0	0	1	2	BEARING	345
9926113116	1	1	2	2	KIT, SEAL	345
9926113146	1	1	2	2	KIT, SEAL	163
9926113147	1	1	2	2	KIT, SEAL	163
9926113170	1	1	2	2	KIT, SEAL	475
9926113175	0	0	1	2	SWITCH ASSY. PRESSURE	469
9926113176	1	1	2	2	KIT, SEAL	469
9926113181	0	0	2	4	O-RING	475
9926113182	0	0	2	2	O-RING	475
9926113185	1	1	2	2	KIT, SEAL	475
9926113187	1	1	2	2	KIT, SEAL	475
9926113195	1	1	2	2	KIT, SEAL	476
9926113253	0	0	2	2	O-RING SEAL	126
9926113270	0	0	1	2	SWITCH ASSY. PRESSURE	117
9926113275	0	0	2	2	BOOT, RUBBER	339
9926113276	0	0	1	2	SWITCH ASSY. PRESSURE	339
9926113277	0	0	1	2	FITTING, ADAPTOR	339
9926113299	0	0	1	4	SPRING	126
9974102176	0	0	2	1	SEAL, PISTON	145
9974102222	1	1	2	1	KIT, SEAL	148
9974102898	0	0	2	4	O-RING	147
9974102922	0	0	2	1	O-RING	146
9974103086	0	0	1	4	BEARING	148
9974103091	0	0	1	2	SENSOR	147
9974103092	0	0	2	2	WASHER, SEAL	147
9974103093	0	0	1	2	FITTING	147

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Part No.	1000 Hrs	2000 Hrs	Qty	Description	Page
7437000873	2	4	1	FILTER, TRANSMISSION FLUID	611
90001159	2	4	2	ELEMENT, PRIMARY	673
90001160	2	4	2	ELEMENT, SECONDARY	673
9414101679	2	4	2	FILTER,OIL	569
9414101755	2	4	2	FILTER, PRIMARY FUEL	569
9414101756	2	4	2	FILTER, FUEL/WATER SEPARATOR	569
9414101764		1	2	BELT, DRIVE	569
9437100825	1	1	1	ELEMENT	463
9576101424		1	2	BELT, DRIVE	681

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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	
(	4TH SUB ASSY AND/OR PART OF 4TH SUB ASSY	
)	5TH SUB ASSY AND/OR PART OF 5TH SUB ASSY	
*	REPAIR KIT AND/OR PART OF KIT	
/	2ND SUB ASSY AND/OR PART OF 2ND SUB ASSY	
@	SECOND REPAIR KIT AND/OR PART OF 2ND KIT	
^	3RD SUB ASSY AND/OR PART OF 3RD SUB ASSY	
{	6TH SUB ASSY AND/OR PART OF 6TH SUB ASSY	
}	7TH SUB ASSY AND/OR PART OF 7TH 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	