



Illustrated Parts Manual

Models
X13SJN
X13SJP

P/N
31220332

January 15, 2022 - Rev A

CE
UK
CA

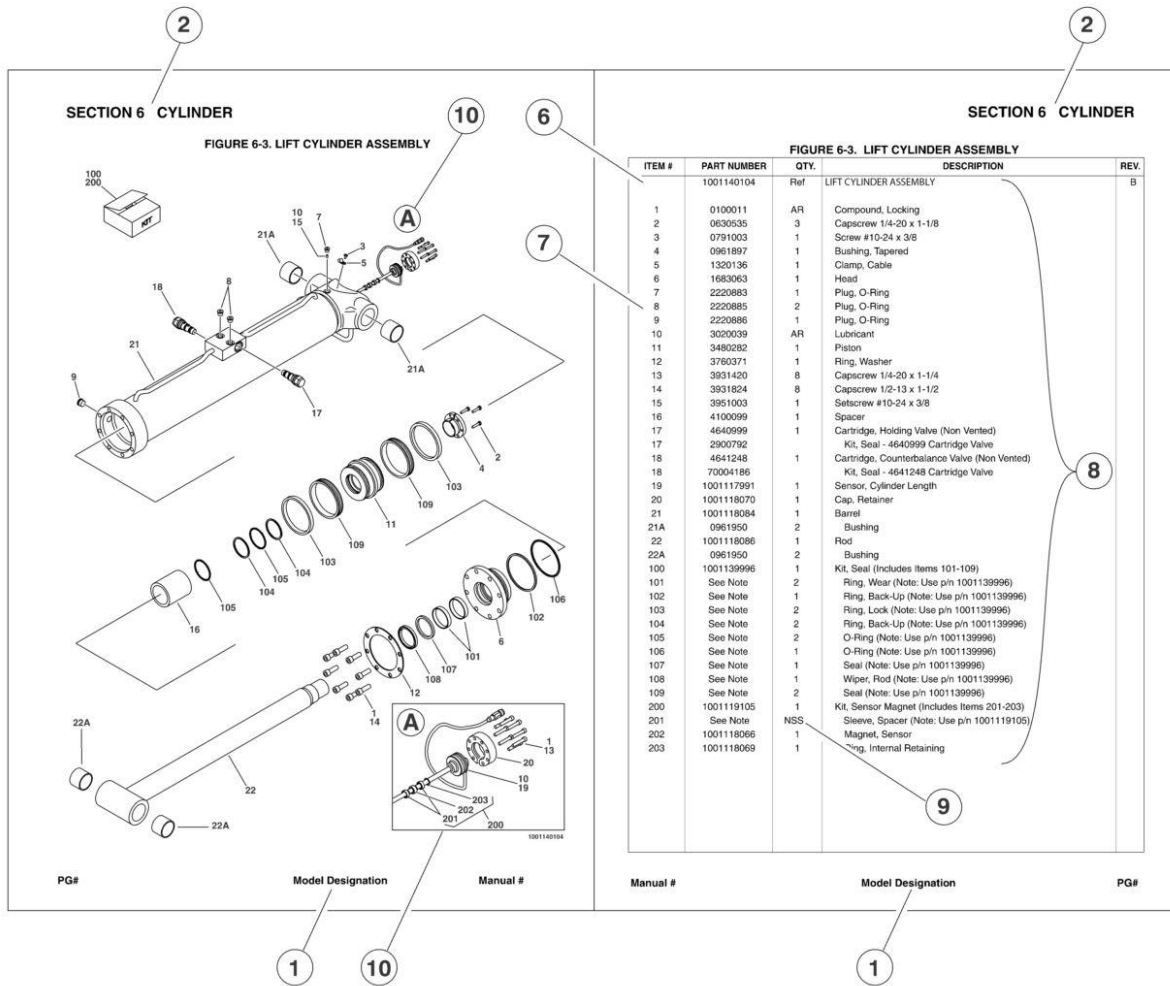


An Oshkosh Corporation Company

REVISION LOG

January 15, 2022 - A - Original Issue Of Manual

GENERAL INFORMATION



1) MACHINE IDENTIFICATION

Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (i.e. ANSI, CE, CSA). Components may also be identified by SN or manufacturer. Common components that may be identified by these characteristics are engines and hydraulic components.

2) PARTS MANUAL ORGANIZATION

Product information in this manual is organized under section titles. Frame, Cylinder, Hydraulic and Electrical are a few examples. Each section is organized by figure and page number. The information within the Figure is then organized by item number, part number, description and corresponding illustration(s).

3) TABLE OF CONTENTS

A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS

The Recommended Spare Parts, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

In some instances, it is necessary to display non-serviced parts, assemblies or installations. In the case of assemblies and installations there will be a Ref in the Qty column. In case of parts that are not available for service within assemblies or components, there will be a NSS (Not Sold Separately) or NLA (No Longer Available) listed in the Qty. column of the manual.

7) PARTS LIST ITEM NUMBERS

Numbers shown in the item# column correspond to numbers used in the associated illustration (s). Item numbers which are missing from the sequence in the parts list are not used on that page

8) INDENTED PARTS DESCRIPTION

An indented part description is included in the item under which it is indented.

9) ABB REVIATION AND SYMBOLS

AC.....	.. Alternating Current	LCD.....	.. Liquid Crystal Display
ADE.....	..Advanced Design Electronics	LED.....	.. Light Emitting Diodes
ANSI.....	..American National Standards Institute	LH.....	.. Left Hand
AR.....	..As Required	LSS.....	..Load Sensing System
ASSY.....	.. Assembly	M(m).....	.. Metric/Meter
AUX.....	..Auxiliary	MM (mm).....	..Milimeter
AWG.....	..American WireGauge	mA.....	.. Miliamps
B/M.....	.. Bill of Material	NLA.....	..No Longer Available
CE.....	..European Conformity	NPT.....	.. National Pipe Threads
CCW.....	..Counter Clockwise	NSS.....	..Not So Id Separately
cm.....	..Centimeter	OD.....	..Outside Diameter
CW.....	..Clockwise	ORB.....	.. O-Ring Boss
CSA.....	..Canadian Standards Association	ORFS.....	.. O-Ring Face Seal
CYL.....	..Cylinder	OZ (oz).....	..Ounces
DIA.....	..Diameter	PG.....	..Page
DC.....	..Direct Current	P/N.....	..Part Number
EMS.....	.. Emergency Stop	qt.....	..Quarts
ENG.....	..Engine	QTY.....	..Quantity
FT (ft).....	..Feet	REF.....	..Reference
GA (Ga).....	..Gauge	REV.....	..Revision Level
HYD.....	..Hydraulic	RH.....	.. Right Hand
Hz.....	..Hertz	SAE.....	.. Society of Automotive Engineers
ID.....	..Inside Diameter	SN.....	..Serial Number
in.....	..inches	SPEC(S).....	..Specifications
ISO.....	..International Organization for Standards	T/T.....	..Turntable
JIC.....	..Joint Industry Council	UGM.....	..Universal Ground Module
KG.....	..Kilogram	V.....	..Volts
L.....	..Liter	W.....	..Watts
LB.....	..Pounds	#.....	.. Number

10) ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information (i. e. hoses, harnesses) from one point to another or to track visual enlargement of components to show details that may be located in another area on the illustration.

Note: Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

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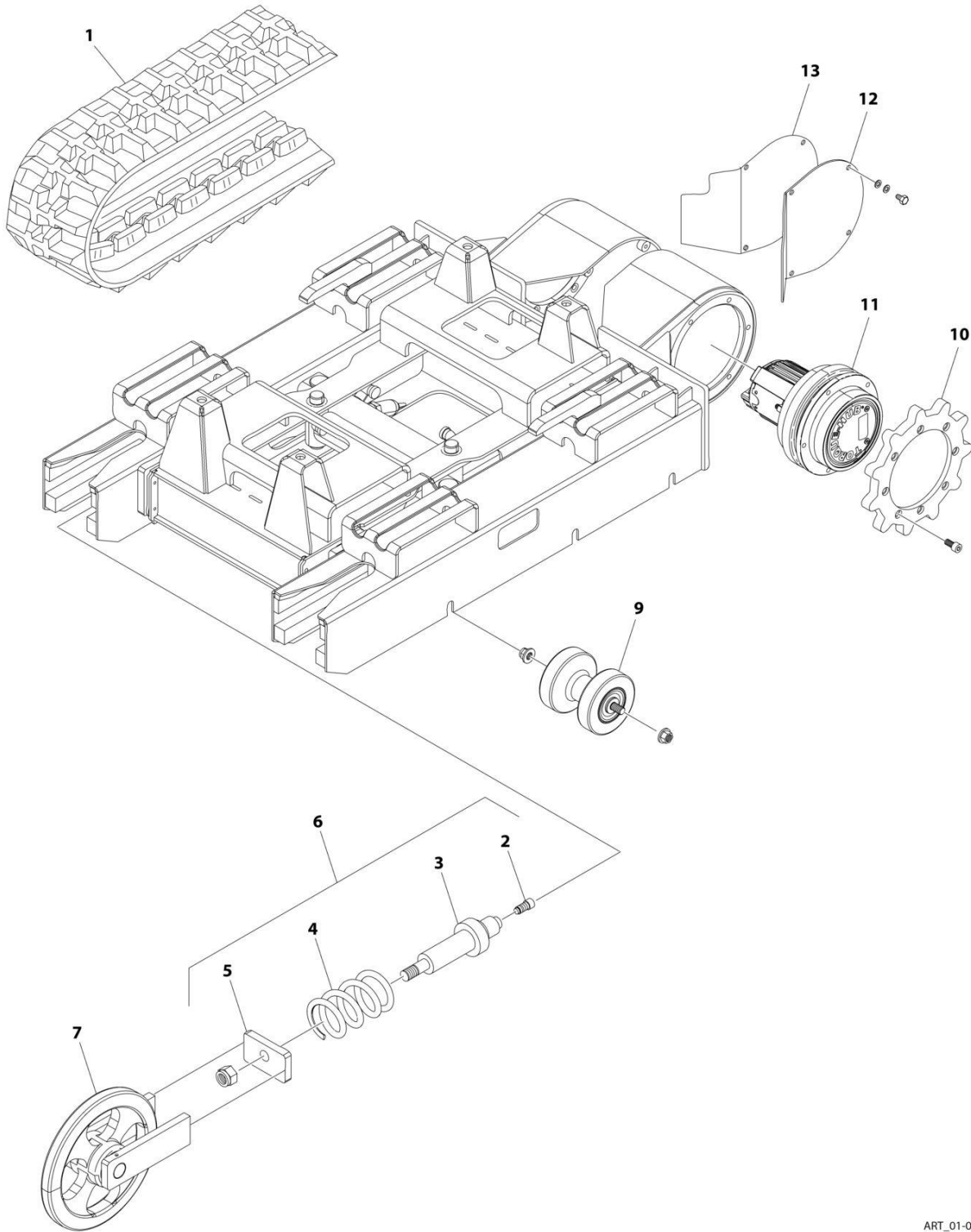
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SECTION 1 - UNDERCARRIAGE

SECTION 1 - UNDERCARRIAGE

FIGURE 1-1. TRACKED UNDERCARRIAGE



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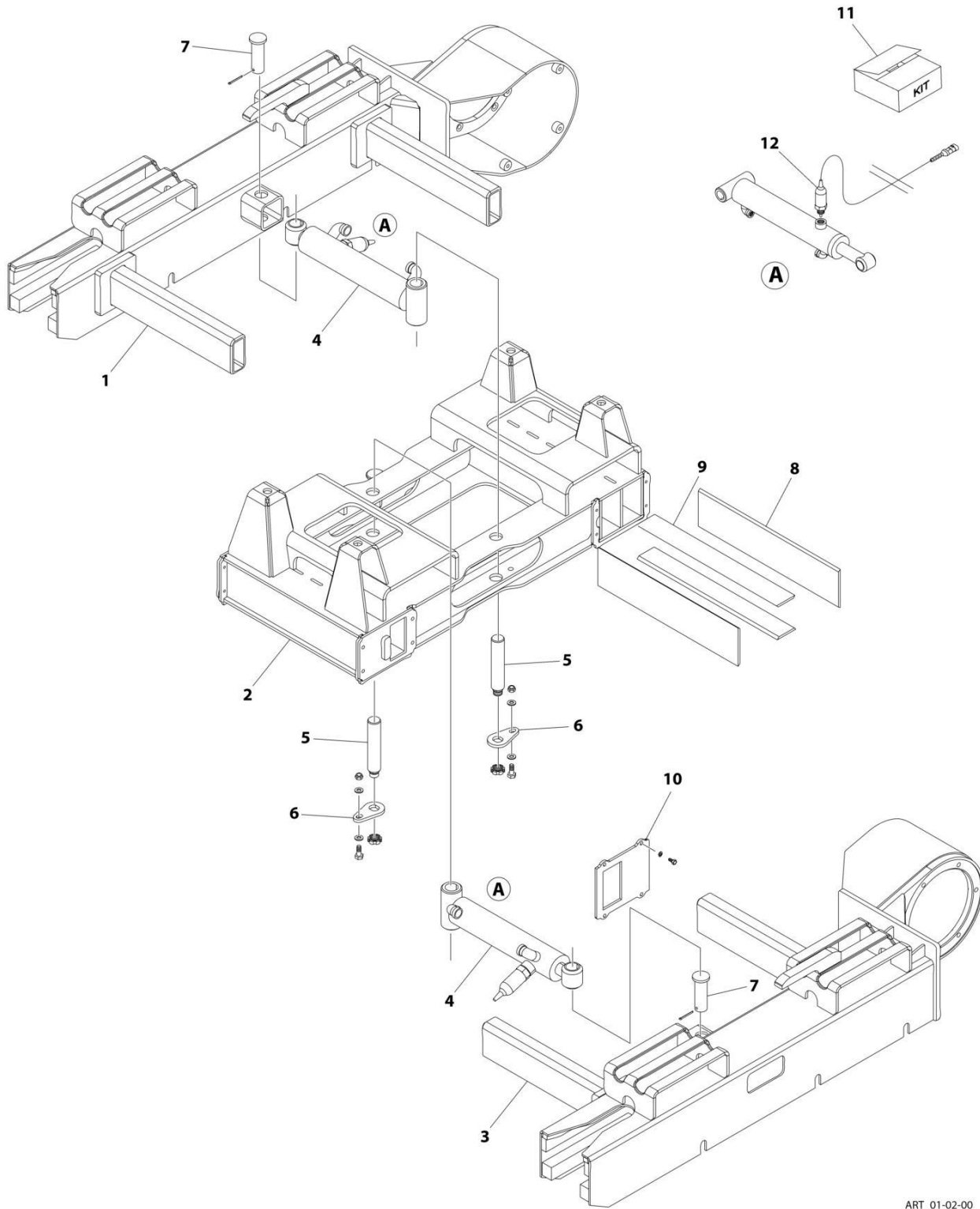
SECTION 1 - UNDERCARRIAGE

FIGURE 1-1. TRACKED UNDERCARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TRACKED UNDERCARRIAGE	A
1	282153LB	2	Track	
2	03149200	1	Hydraulic Valve	
3	10681670	1	Cylinder	
4	03024800	1	Spring	
5	08256800	1	Tensioning Plate	
6	182569Y1	2	Assembled Tendicle Support	
7	147307H2	2	Idler	
9	153515H2	6	Carrier Roller	
10	081516H2	2	Traction Wheel	
11	281706H2	2	Electric Gear Motor	
12	082798H2	1	Left Engine Protection Cover	
13	082797H2	1	Right Engine Protection Cover	

SECTION 1 - UNDERCARRIAGE

FIGURE 1-2. TRACK EXTENSION



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SECTION 1 - UNDERCARRIAGE

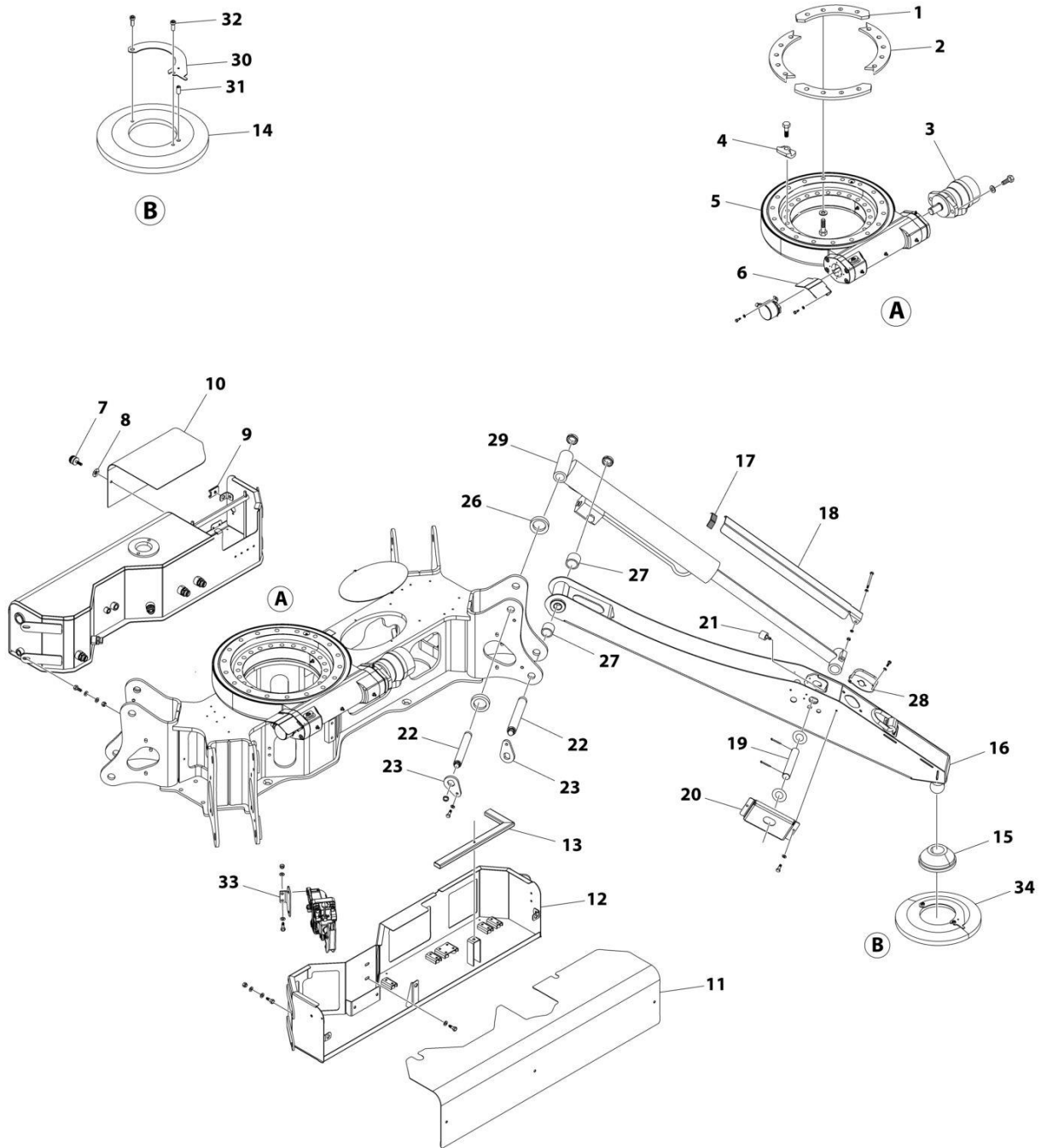
FIGURE 1-2. TRACK EXTENSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC EXTENSION	A
1	381782H2	1	Assembled Right Side	
2	381772H2	1	Central Undercarriage Structure	
3	381783H2	1	Assembled Left Side	
4	277103H2	2	Cylinder Enlargement Carriage	
5	06023800	2	Bottom Plug Enlargement	
6	064965Y1	13	Collar, Pin	
7	04256300	2	Pin	
8	07758900	8	Enlargement Guide	
9	07758800	8	Guide	
10	382175H2	4	Enlargement Guide Cover	
11	2771030001	1	Seal Kit - 277103H2 Cylinder	
12	17329500	2	Switch, N/O Contact (Includes Cable & Connector) (Note: Purchase separate when replacing cylinder)	

SECTION 2 - BASE & TURNTABLE

SECTION 2 - BASE & TURNTABLE

FIGURE 2-1. TURRET BASE



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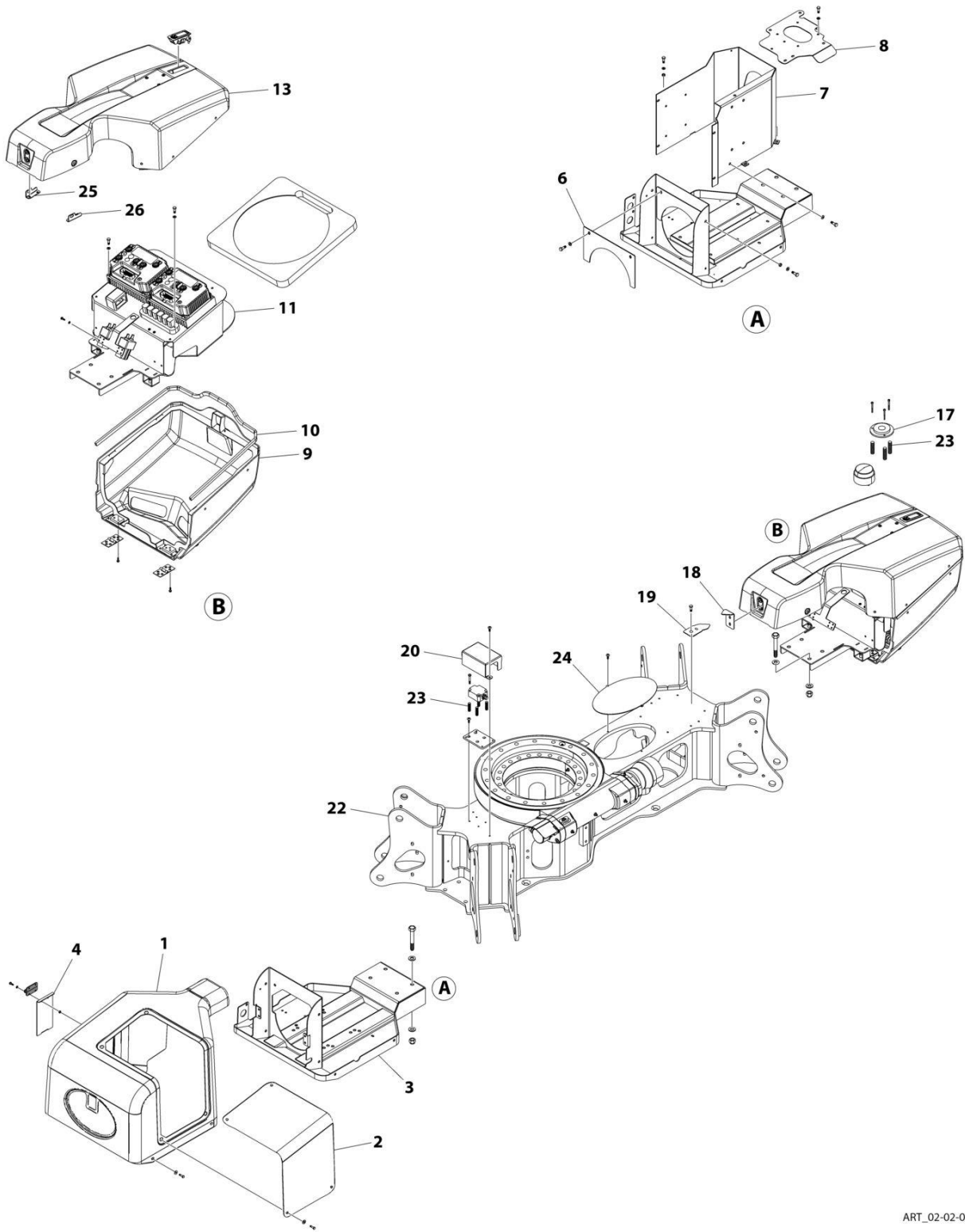
SECTION 2 - BASE & TURNTABLE

FIGURE 2-1. TURRET BASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TURRET BASE	A
1	069349Y1	2	Shim	
2	069348Y1	2	Shim	
3	261308H3	1	Rotary Motor	
4	068911Y1	1	Retainer	
5	281957H3	1	Ring, Slew	
6	082342H2	1	Sensor, Ralla Protection	
7	07343200	6	Thumbscrew	
8	07343400	6	Retainer, Screw	
9	07343300	1	Clip, Screw	
10	082304J2	1	Cover, Battery	
11	082313J2	1	Cover, Hydraulic Component Box	
12	381702J2	1	Box, Hydraulic Components	
13	18272800	1	Lever	
14	08270800	1	Disc, Removable	
15	08235500	4	Disc, Stabilizer	
16	182734J2	4	Stabilizer, Outrigger	
17	07894900	4 ft	Pad	
18	072700H2	4	Cover	
19	07754600	4	Pin	
20	077413H2	4	Cover	
21	28185800	4	Bumper	
22	07772000	8	Pin	
23	064966Y1	9	Collar, Pin	
26	08271800	8	Ring, Stop	
27	07765500	2	Bush	
28	376018H2	4	Support	
29	282749H2	4	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
30	082709H2	1	Stop	
31	28273100	1	Spring	
32	BV046100	2	Screw M8 x 20	
33	082496Y1	1	Bracket, Hand Pump	
34	18283200	4	Plate, Removable Kit	

SECTION 2 - BASE & TURNTABLE

FIGURE 2-2. HOODS INSTALLATION



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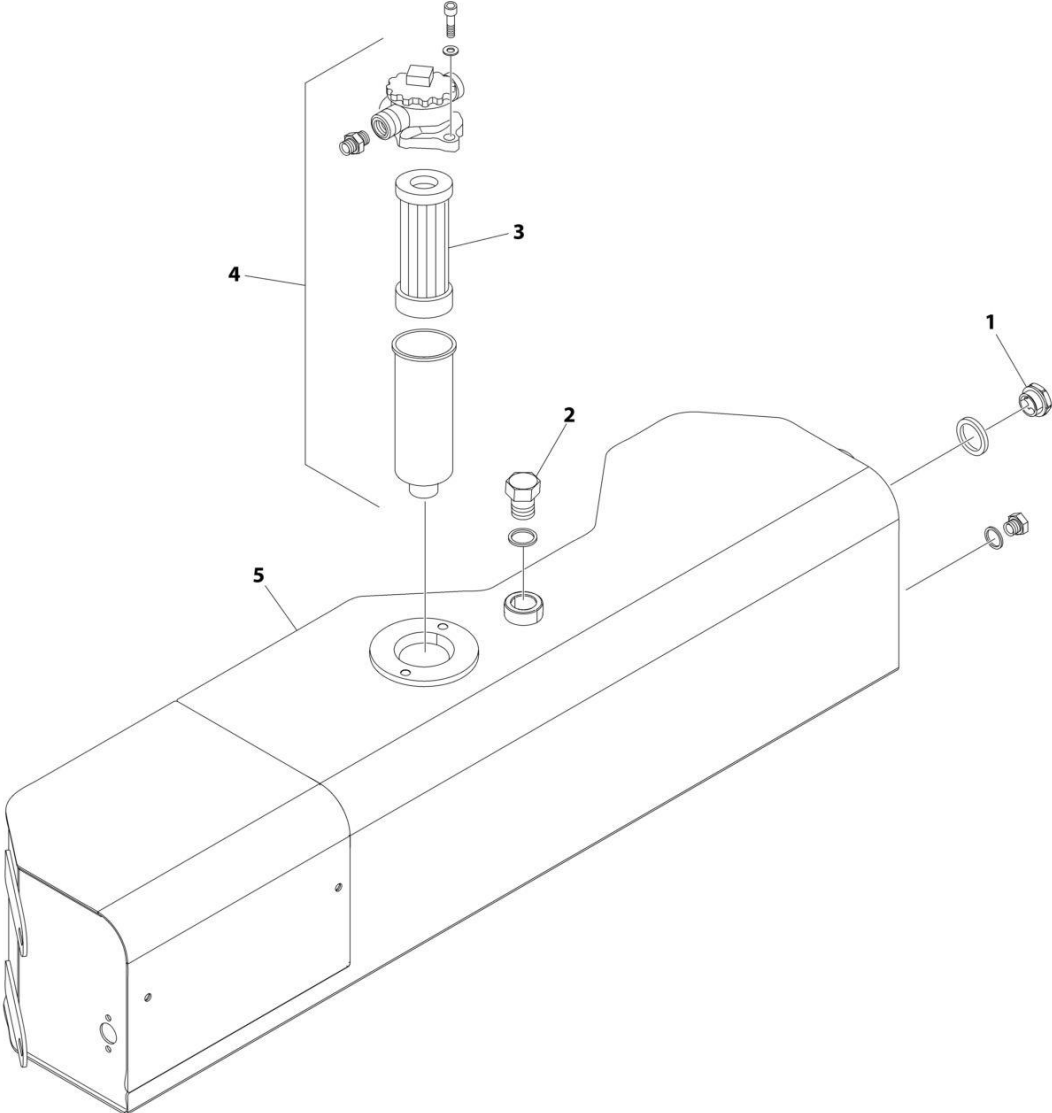
SECTION 2 - BASE & TURNTABLE

FIGURE 2-2. HOODS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HOODS INSTALLATION	A
1	082538H2	1	Hood	
2	077743H2	1	Cover	
3	382302H2	1	Support	
4	077744H2	1	Door	
6	077740Y1	1	Support, Electrical Motor	
7	077738Y1	1	Panel	
8	082806Y1	1	Bracket	
9	28243800	1	Hood	
10	08352900	1	Profile	
11	182447Y1	1	Support, Pad	
13	28243700	1	Hood, Rear Fix	
17	05427200	1	Level	
18	082446D2	1	Indicator	
19	082445D2	1	Indicator	
20	082778H2	1	Cover	
22	381766H2	1	Chassis	
23	05444800	3	Spring	
24	082334H2	1	Plate	
25	082457Y1	1	Left Rear Fixing	
26	082456Y1	1	Right Rear Fixing	

SECTION 2 - BASE & TURNTABLE

FIGURE 2-3. OIL TANK



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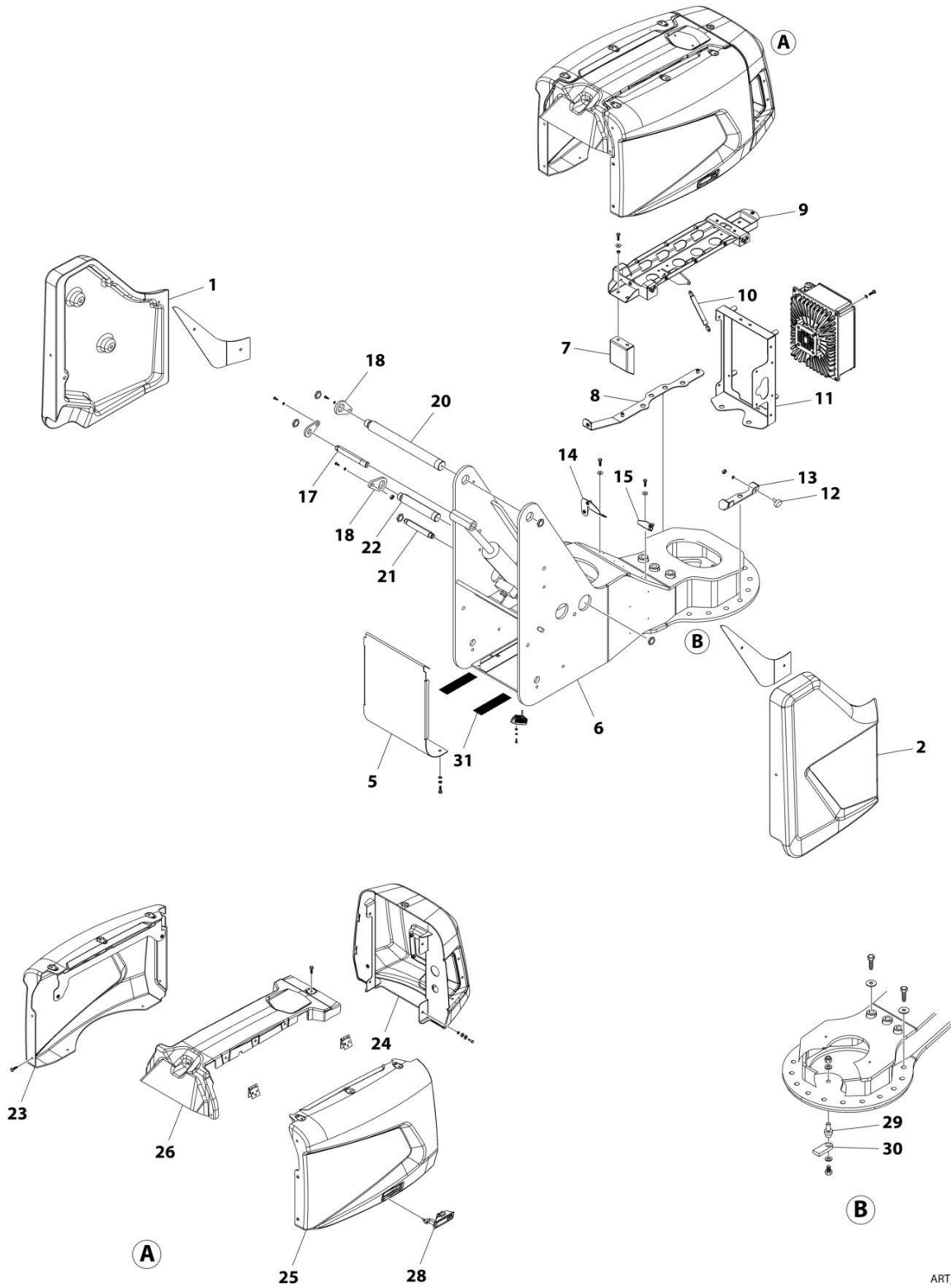
SECTION 2 - BASE & TURNTABLE

FIGURE 2-3. OIL TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	OIL TANK	A
1	05061800	1	Gauge, Oil Level	
2	05611800	1	Plug	
3	05120200	1	Filter, Hydraulic	
4	15120100	1	Filter, Hydraulic Oil	
5	181701J2	1	Tank, Oil	

SECTION 2 - BASE & TURNTABLE

FIGURE 2-4. TURNTABLE INSTALLATION



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SECTION 2 - BASE & TURNTABLE

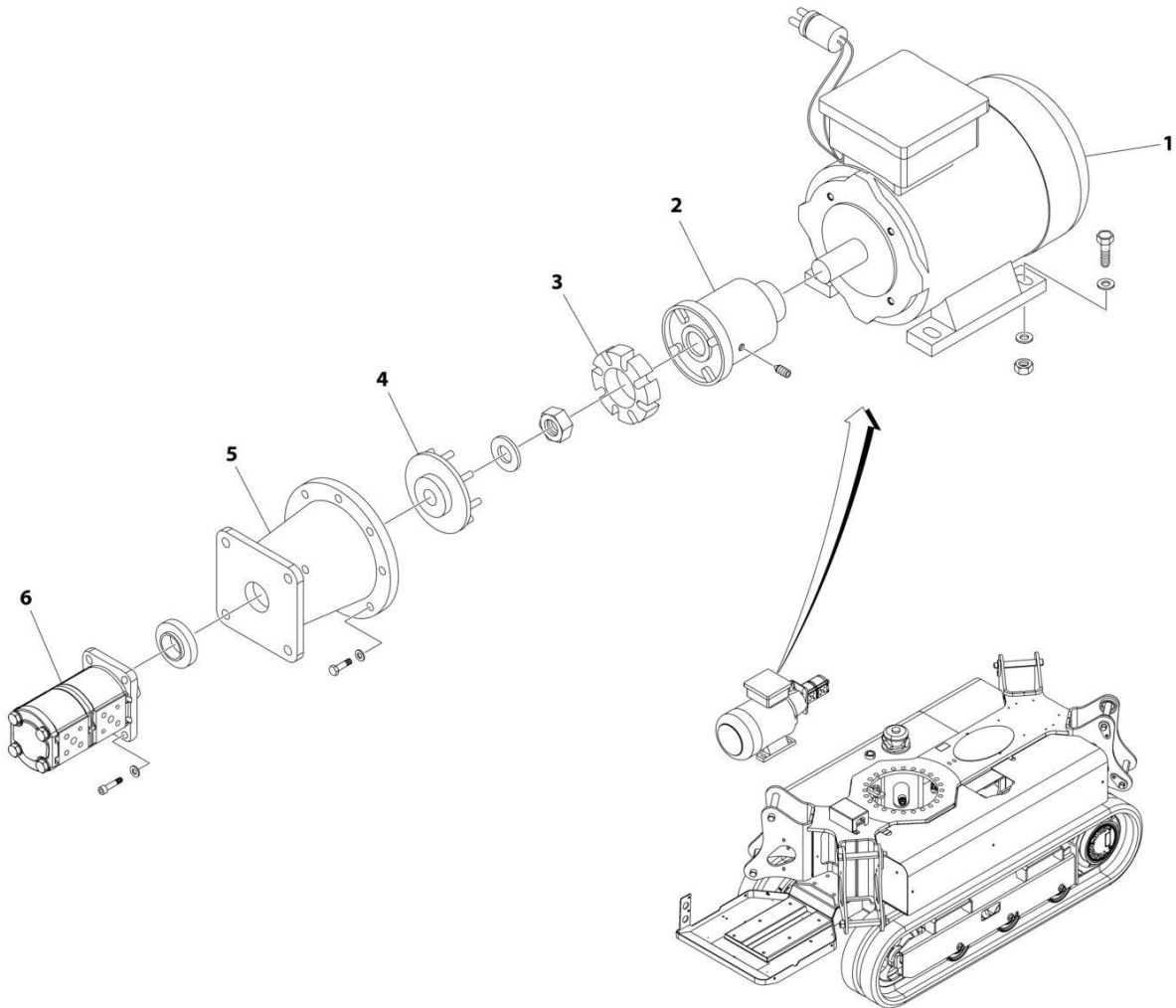
FIGURE 2-4. TURNTABLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TURNTABLE INSTALLATION	A
1	082991Z3	1	Right Ballast	
2	082992Z3	1	Left Ballast	
5	082408H2	1	Cover	
6	381887H2	1	Support	
7	082469Y1	1	Bracket	
8	182459Y1	1	Bracket	
9	182463Y1	1	Bracket	
10	08246800	1	Spring, Gas	
11	382476Y1	1	Bracket	
12	06061800	1	Bumper	
13	382458Y1	1	Hook Lock	
14	182460Y1	1	Bracket, Right	
15	182461Y1	1	Bracket, Left	
17	06230600	1	Pin	
18	064967Y1	2	Pin Drop	
20	08192600	1	Pin, Main Boom	
21	06867600	1	Pin	
22	07131600	1	Pin	
23	28244100	1	Hood	
24	28243900	1	Hood	
25	28244200	1	Hood	
26	08244000	1	Hood	
28	08353000	1	Latch	
29	064423Y1	1	Pin	
30	064422Y1	1	Retainer	
31	08226400	2	Pad	

SECTION 3 - ENGINE

SECTION 3 - ENGINE

FIGURE 3-1. ELECTRIC MOTOR ASSEMBLY



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SECTION 3 - ENGINE

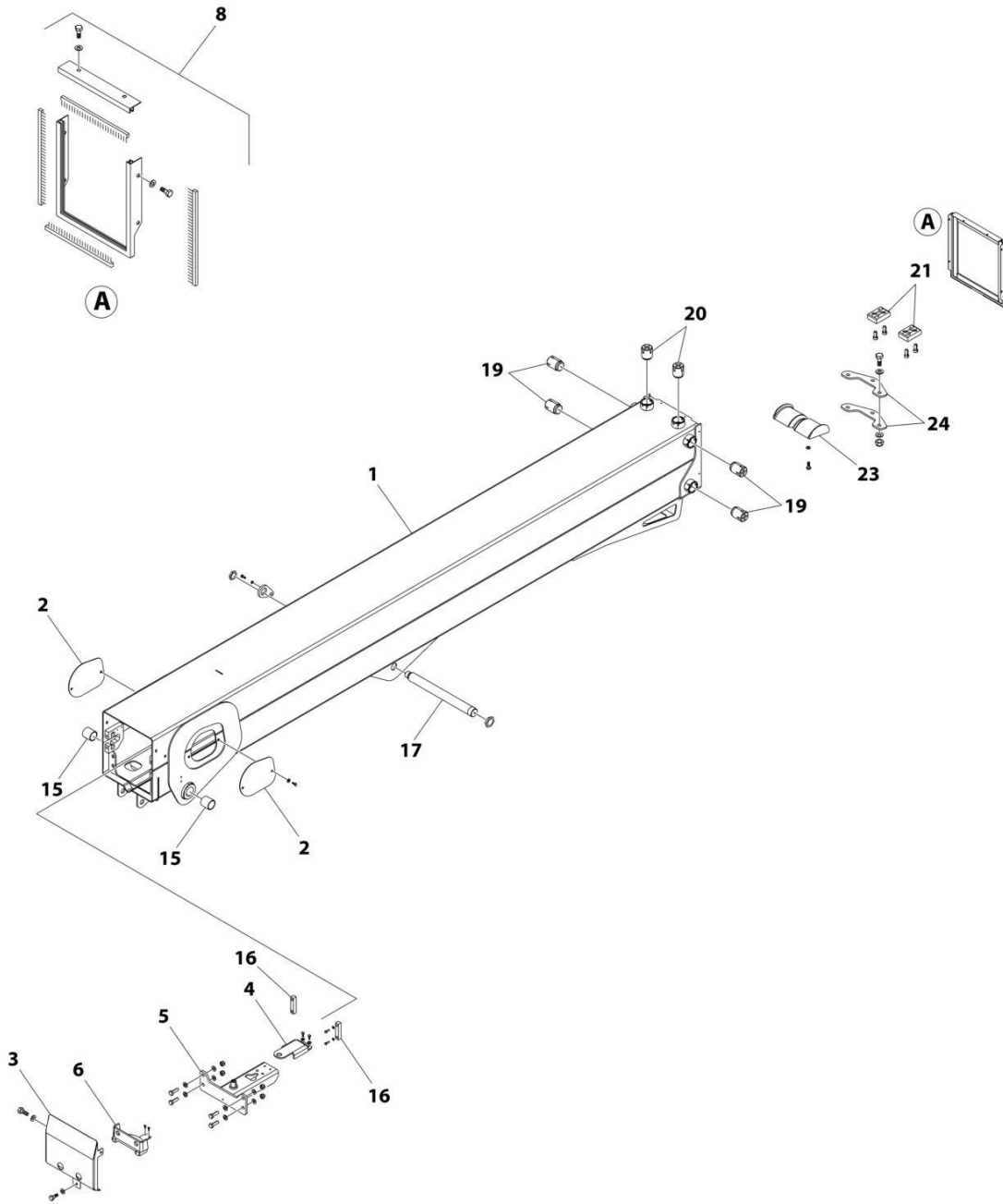
FIGURE 3-1. ELECTRIC MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRIC MOTOR ASSEMBLY	A
1	26774500	1	Motor, Electric Lithium 2KW	
2	06997800	1	Coupling, Motor Side	
3	04310100	1	Connection, Joint	
4	04615300	1	Coupling	
5	05510200	1	Lantern	
6	255263H3	1	Pump, Hydraulic	

SECTION 4 - BOOM

SECTION 4 - BOOM

FIGURE 4-1. MAIN BOOM ASSEMBLY



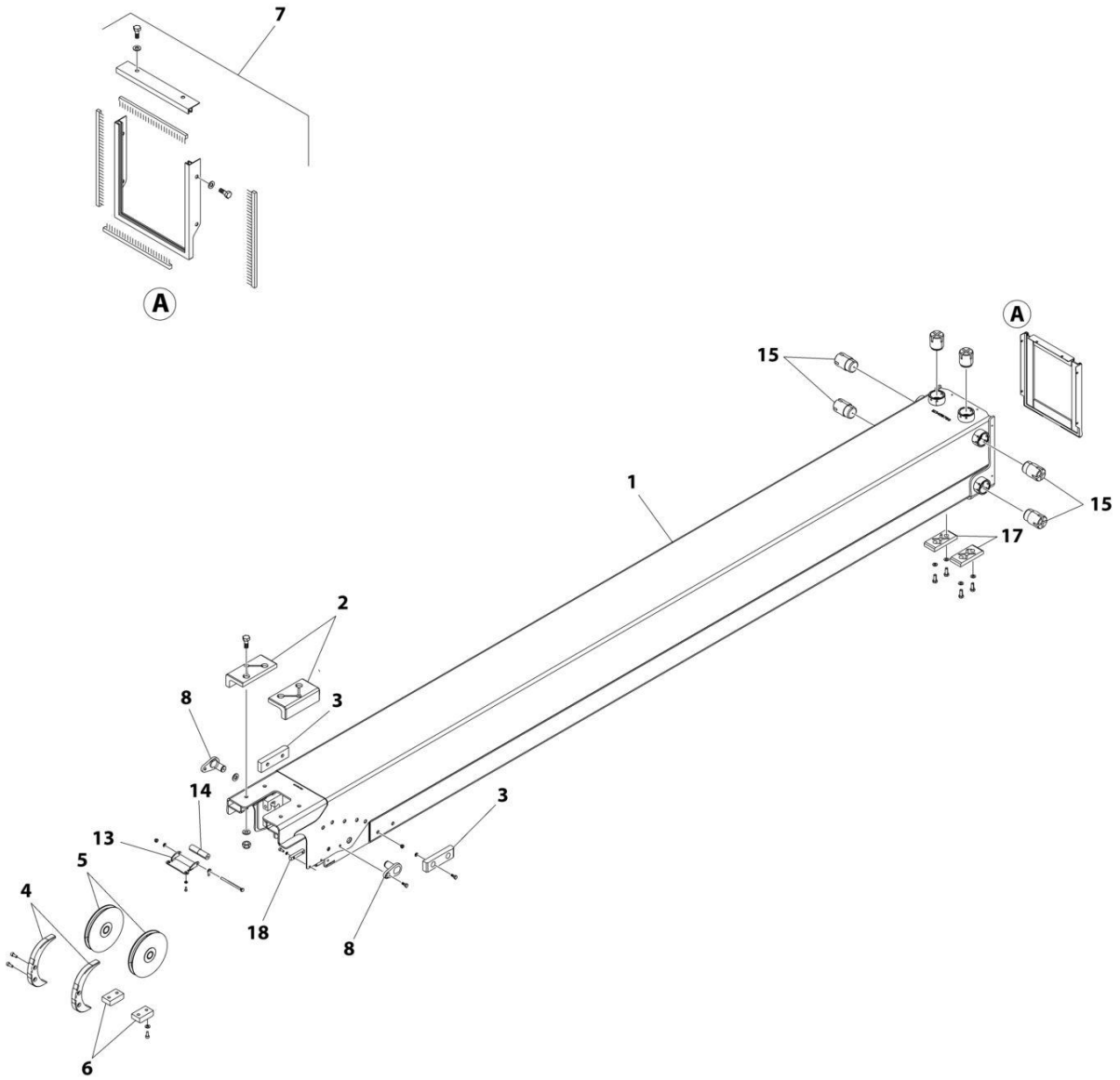
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FIGURE 4-1. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN BOOM ASSEMBLY	A
1	181824J1	1	Boom	
2	081916H3	2	Cover, Lateral	
3	081921H3	1	Cover, Rear	
4	079388Y1	1	Shield	
5	381922Y1	1	Support	
6	379392Y1	1	Rocker	
8	18195200	1	Kit, Brushes	
15	06422200	2	Bushing	
16	083319Y2	4	Plate	
17	08194600	1	Pin	
19	06301200	4	Block, Slide	
20	07246000	4	Block, Slide	
21	08191500	2	Block, Slide	
23	07935900	1	Plate, Slide	
24	079360Y1	2	Plate	
25	08024300	1	Horizontal Brush (Not Shown)	

SECTION 4 - BOOM

FIGURE 4-2. MAIN BOOM ASSEMBLY



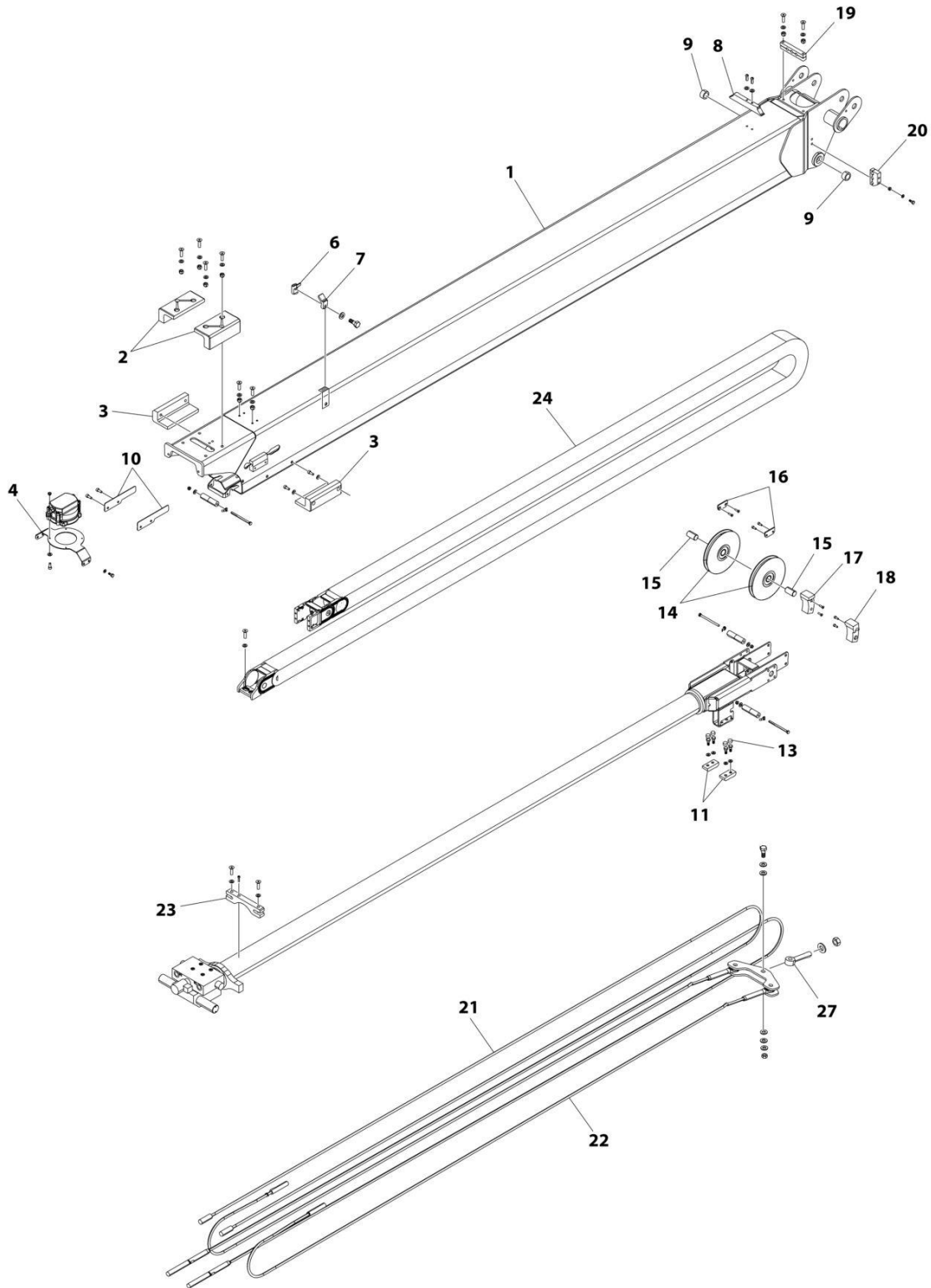
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FIGURE 4-2. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN BOOM ASSEMBLY	A
1	381841J2	1	Boom	
2	08190800	2	Arm	
3	07915900	2	Pad	
4	08191000	2	Block, Slide	
5	17917900	2	Pulley	
6	08190700	2	Block, Slide	
7	18195100	1	Kit, Brushes	
8	08191100	2	Pin, Pulley	
13	079182Y1	1	Shield	
14	07912800	3	Roller	
15	07918000	4	Block, Slide	
17	08190600	2	Block, Slide	
18	081909Y1	1	Block	

SECTION 4 - BOOM

FIGURE 4-3. MAIN BOOM ASSEMBLY



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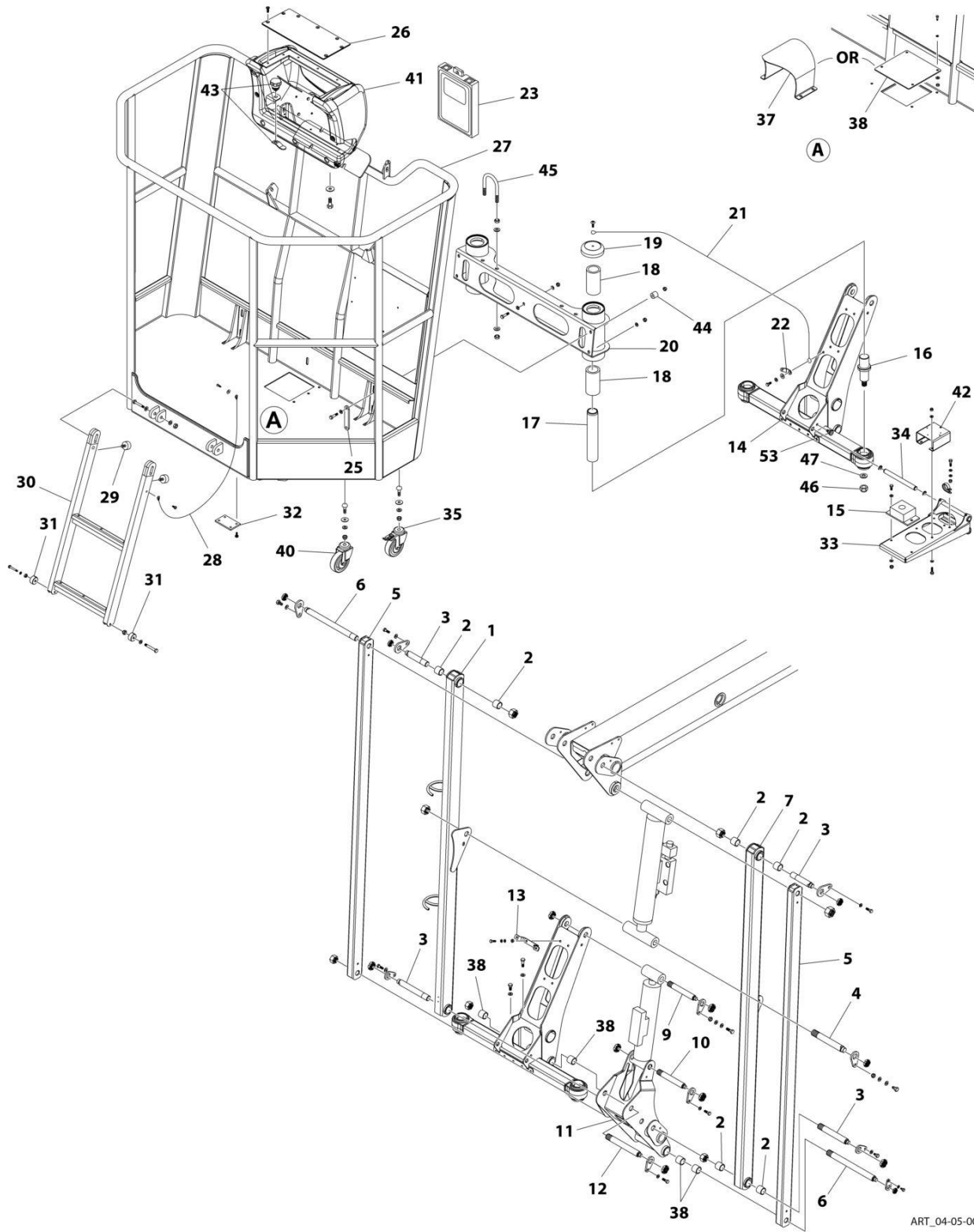
FIGURE 4-3. MAIN BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN BOOM ASSEMBLY	A
1	181842J2	1	Boom	
2	08190300	2	Block, Slide	
3	08190400	2	Block, Slide	
4	082074Y1	1	Bracket	
6	081900Y1	1	Plate	
7	081901Y1	1	Plate	
8	081899Y1	1	Plate	
9	07765800	2	Bushing	
10	062967Y1	2	Cover	
11	07912900	2	Block, Slide	
13	07544100	4	Cap	
14	17914400	2	Pulley	
15	07903300	2	Pin	
16	072787Y1	2	Plate	
17	07913000	1	Block, Slide	
18	07914800	1	Block, Slide	
19	081897Y1	1	Clamp	
20	081896Y1	1	Clamp	
21	08186600	2	Rope, Extend	
22	08186700	2	Rope, Retract	
23	081879Y1	1	Plate	
24	28185700	1	Chain	
27	07906300	1	Tie-Rod	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM AND SUPPORT INSTALLATION



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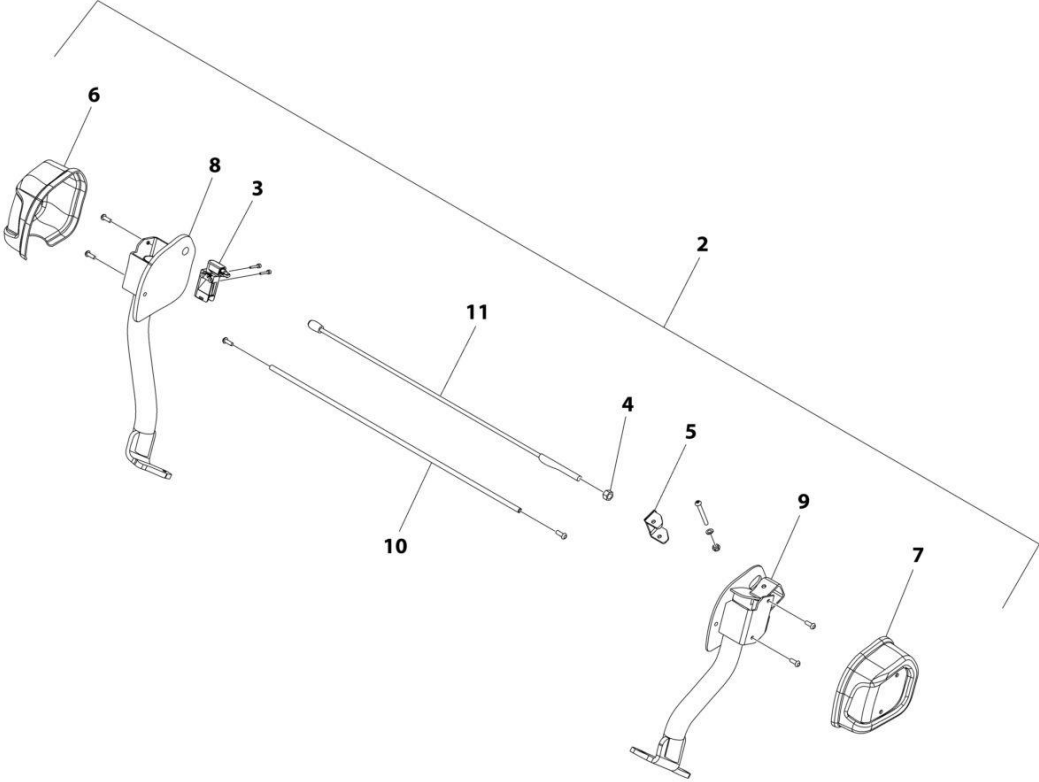
SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM AND SUPPORT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM AND SUPPORT INSTALLATION	A
1	177718J2	1	Link	
2	07765600	4	Bushing	
3	07093500	4	Pin	
4	07093800	1	Pin	
5	359447J2	2	Tie-Rod	
6	07093600	2	Pin	
7	177719J2	1	Link	
9	07093700	1	Pin	
10	06235600	1	Pin	
11	175401J2	1	Rod, Jib Connection	
12	06235700	1	Pin	
13	078204Y1	2	Bracket	
14	182698H2	1	Support, Basket	
15	056187H3	1	Box	
16	07190900	2	Bolt M16 x 115 Grade 8.8	
17	07146500	2	Pin	
18	27146200	4	Bearing	
19	07146400	2	Cap	
20	371459H2	1	Support	
21	06665000	2	Cable	
22	07052900	1	Bracket	
23	05643600	1	Box, Manual Storage	
25	072398H3	2	Plate	
26	07690700	1	Cover	
27	28284000	1	Grill, Basket	
28	06598500	2	Cable	
29	05475900	4	Bumper	
30	36585800	2	Ladder	
31	06585900	4	Roller	
32	058600H3	1	Plate	
33	377661H2	1	Bracket, Load Cell	
34	07766500	1	Pin	
34	BC000300	2	Ring, Snap	
35	07751100	2	Wheel with Brake	
37	06418600	1	Shield	
38	06272700	2	Bushing	
40	07687300	2	Wheel	
41	17569900	1	Shield	
42	072404H3	1	Support, Foot Switch	
43	07192700	1	Fastener and Lever Kit	
44	07239700	2	Spacer	
45	07031800	2	U-Clamp	
46	07193000	2	Nut M16	
47	07192600	2	Washer	
53	07771500	1	Handle	

SECTION 5 - PLATFORM

FIGURE 5-2. SKYGUARD INSTALLATION



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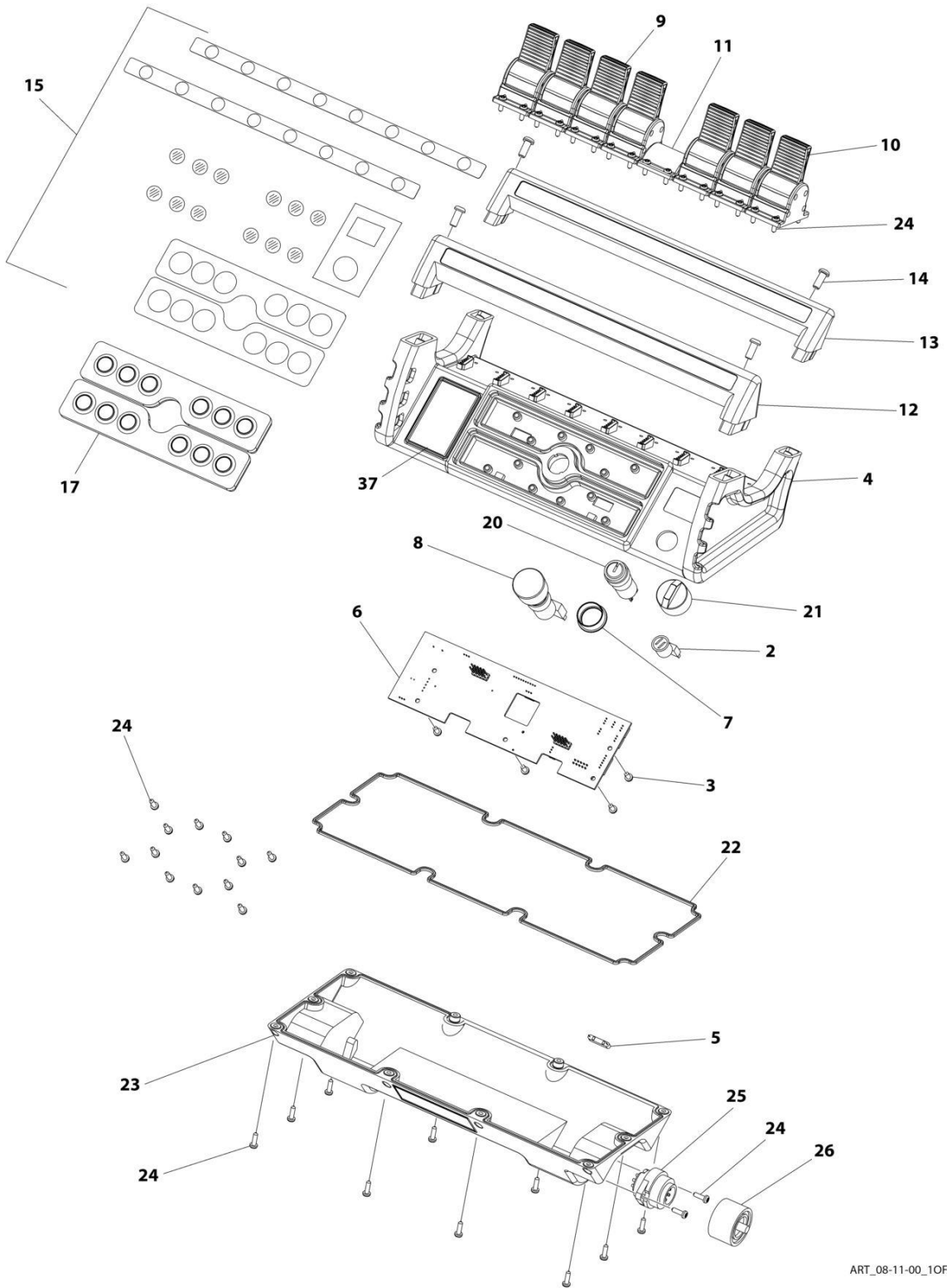
SECTION 5 - PLATFORM

FIGURE 5-2. SKYGUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	SKYGUARD - SKYLINE	A
2	18298300	1	Skyline Kit	
3	18310600	1	Wire	
4	3311601	1	Nut 3/8	
5	383036Y1	1	Support	
6	08310700	1	Cover	
7	08310800	1	Cover	
8	38302200	1	Support	
9	38302300	1	Support	
10	08309700	1	Spacer	
11	08132300	1	Glass Fiber Wand	

SECTION 5 - PLATFORM

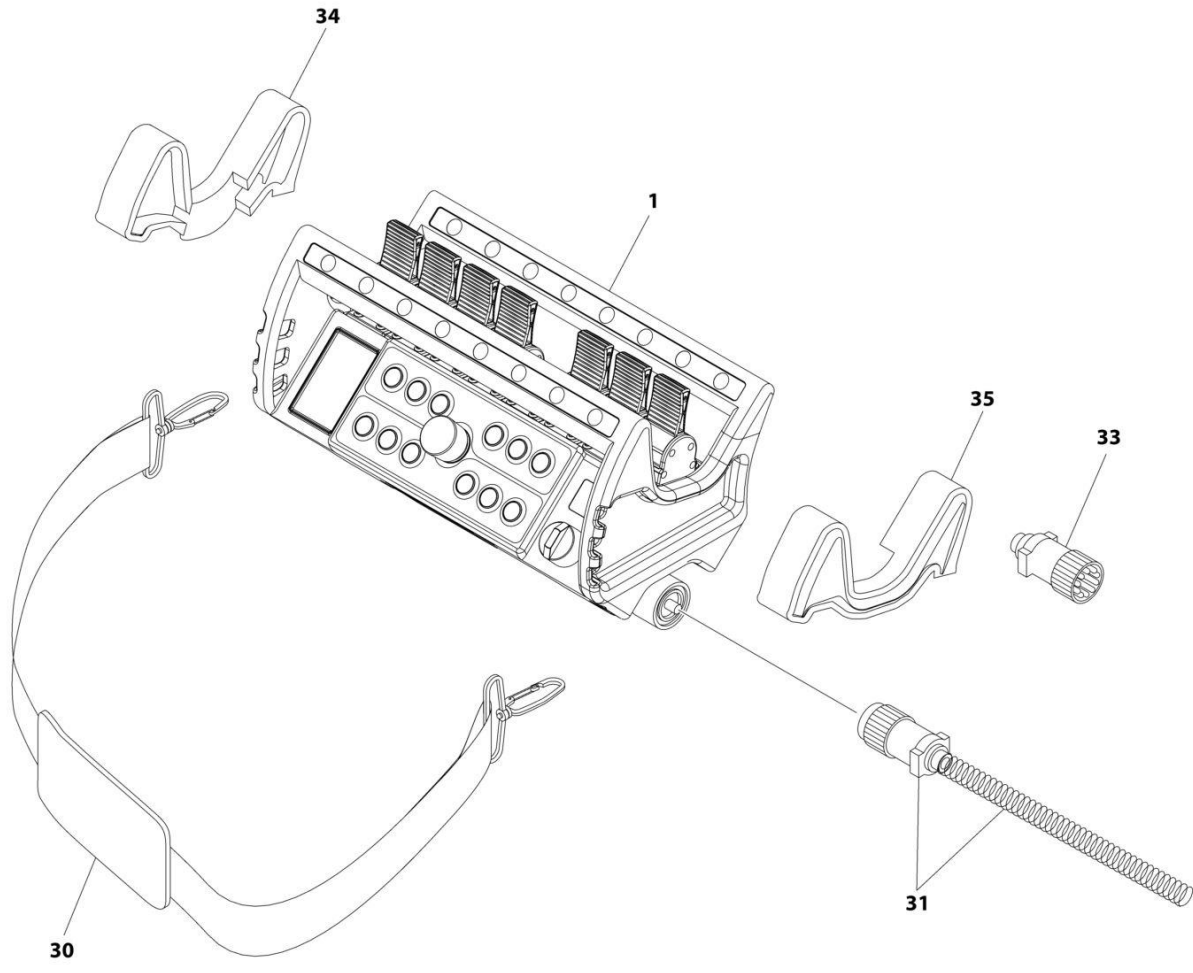
FIGURE 5-3. PLATFORM CONTROL BOX ASSEMBLY



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SECTION 5 - PLATFORM

FIGURE 5-4. PLATFORM CONTROL BOX ASSEMBLY



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SECTION 5 - PLATFORM

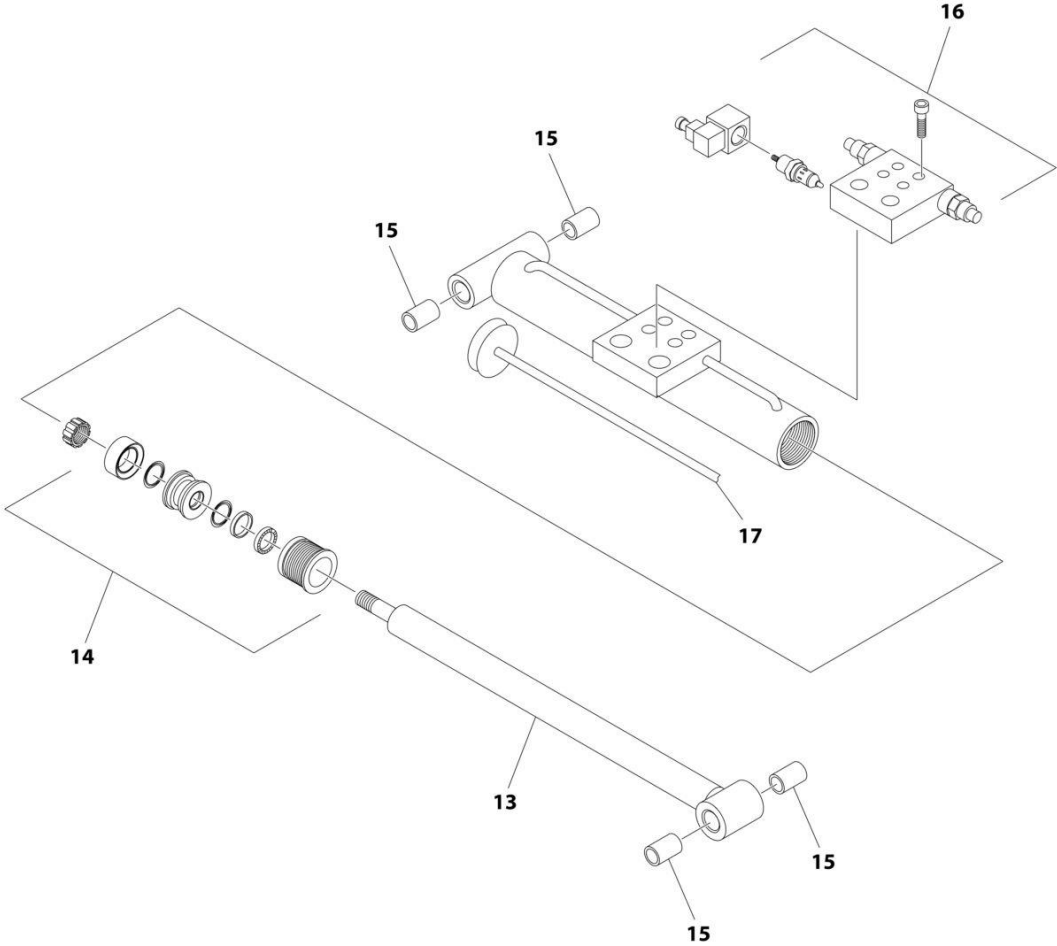
FIGURE 5-4. PLATFORM CONTROL BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	REMOTE CONTROL COMPONENTS	A
1	28275000	1	Control, Remote	
2	07359400	1	Switch, Remote Emergency	
3	2646170003	5	Screw	
4	2801270001	1	Cover, Control Box Top (Note: Does not Include Switches or Controls)	
4	2801270005	1	Cover, Control Case	
5	07359500	1	Reed, Contact	
6	2801270003	1	PC Board	
7	2646170007	1	Ring	
8	2646170008	1	Switch, Emergency Stop	
9	17550700	1	Kit, Black Cover, Joystick	
9	2646170009	6	Lever, Black	
10	17550800	1	Kit, Red Cover, Joystick	
10	2646170010	2	Lever, Red	
11	2646170011	1	Cover	
12	2646170012	1	Shroud, Upper Grip	
13	2646170013	1	Shroud, Lower Grip	
14	2646170014	4	Screw	
15	27005200	1	Decal Kit	
17	2646170017	1	Pad, Button	
20	2683930001	1	Switch, 3S Series	
21	2683930002	1	Key, Ignition	
22	2801270008	1	Gasket	
23	2827500001	1	Bottom, Box	
24	2646170024	56	Screw	
25	2827500002	1	Connector	
26	2827500003	1	Cover, Connector	
30	2646170030	1	Strap	
31	18249000	1	Cable, Spiral - Remote Controls (with ODU Connector)	
33	08027200	1	Switch, Emergency Ground Activation (without ODU Connector)	
34	07027200	1	Protection (LH)	
35	07027100	1	Protection (RH)	
37	2801270004	1	Display	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. LIFT CYLINDER ASSEMBLY - JIB



ART_06-04-00

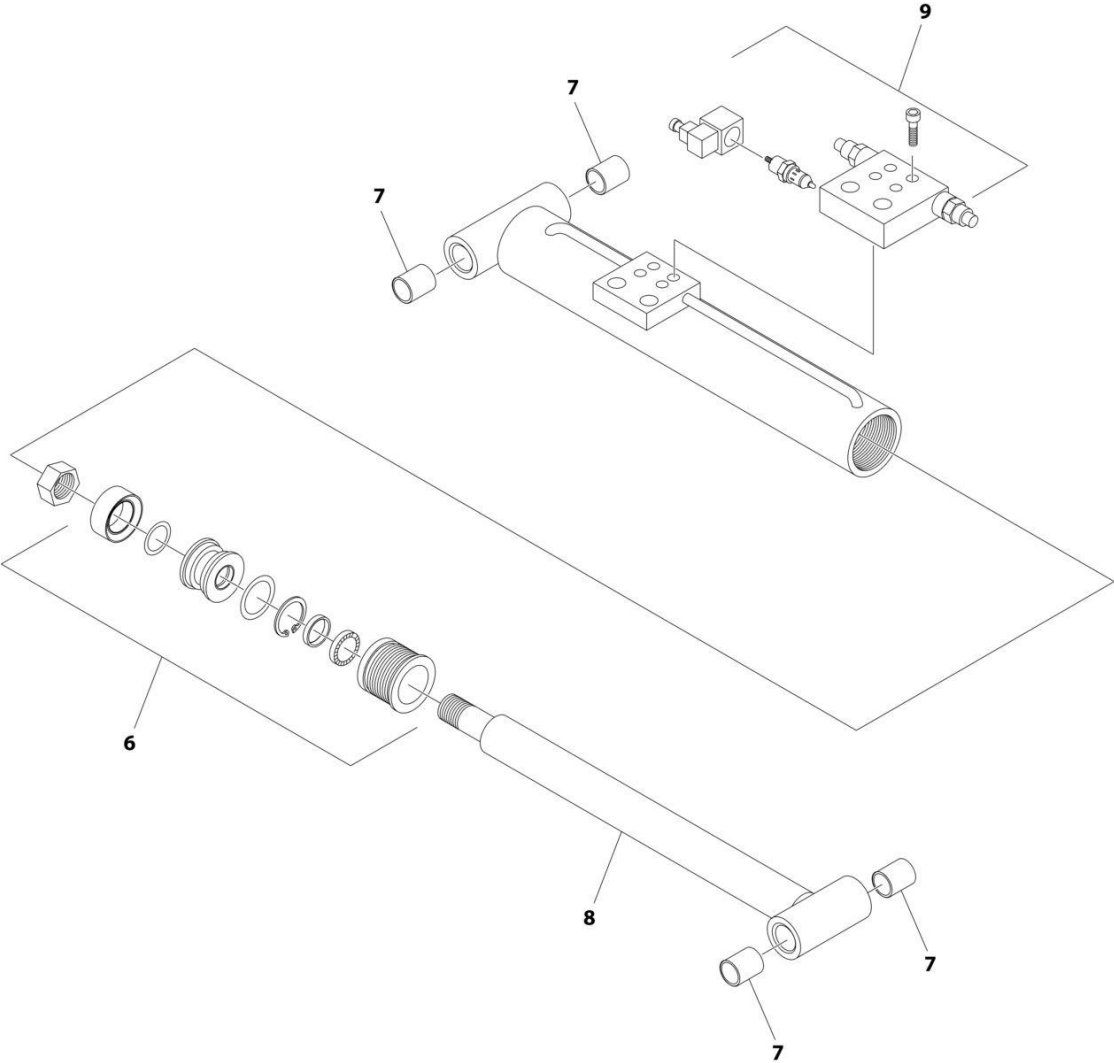
SECTION 6 - CYLINDER

FIGURE 6-1. LIFT CYLINDER ASSEMBLY - JIB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	281807H2	Ref	LIFT CYLINDER ASSEMBLY - JIB	A
13	281807H203	1	Rod	
14	2818070004	1	Seal Kit - 281807H2 Cylinder	
15	2627910006	1	Bushing	
16	2818070001	1	Valve Assembly	
17	2818070002	1	Sensor, Linear	

SECTION 6 - CYLINDER

FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM



ART_06-02-00

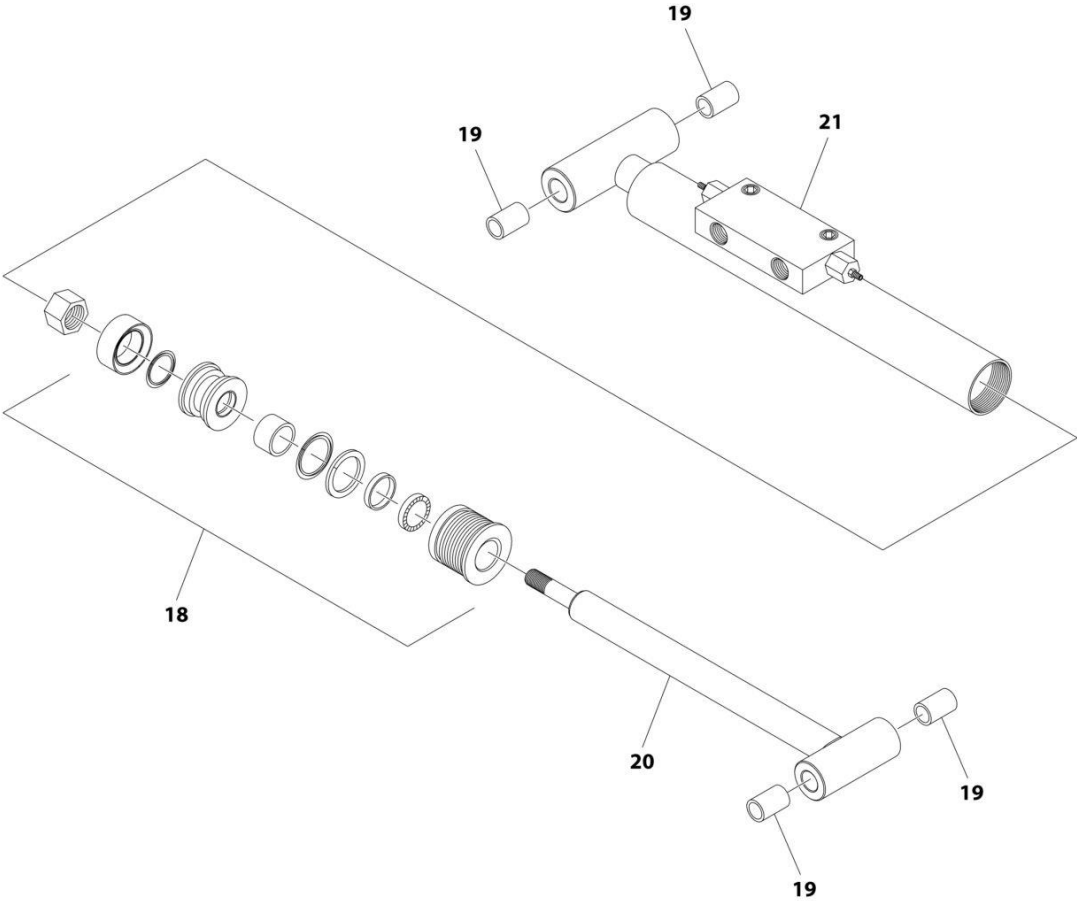
SECTION 6 - CYLINDER

FIGURE 6-2. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	281806H2	Ref	LIFT CYLINDER ASSEMBLY - MAIN BOOM	A
6	2818060002	1	Seal Kit - 281806H2 Cylinder	
7	2627880005	1	Bushing	
8	281806H201	1	Rod	
9	2818060001	1	Valve Assembly	

SECTION 6 - CYLINDER

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - BOOM



ART_06-05-00

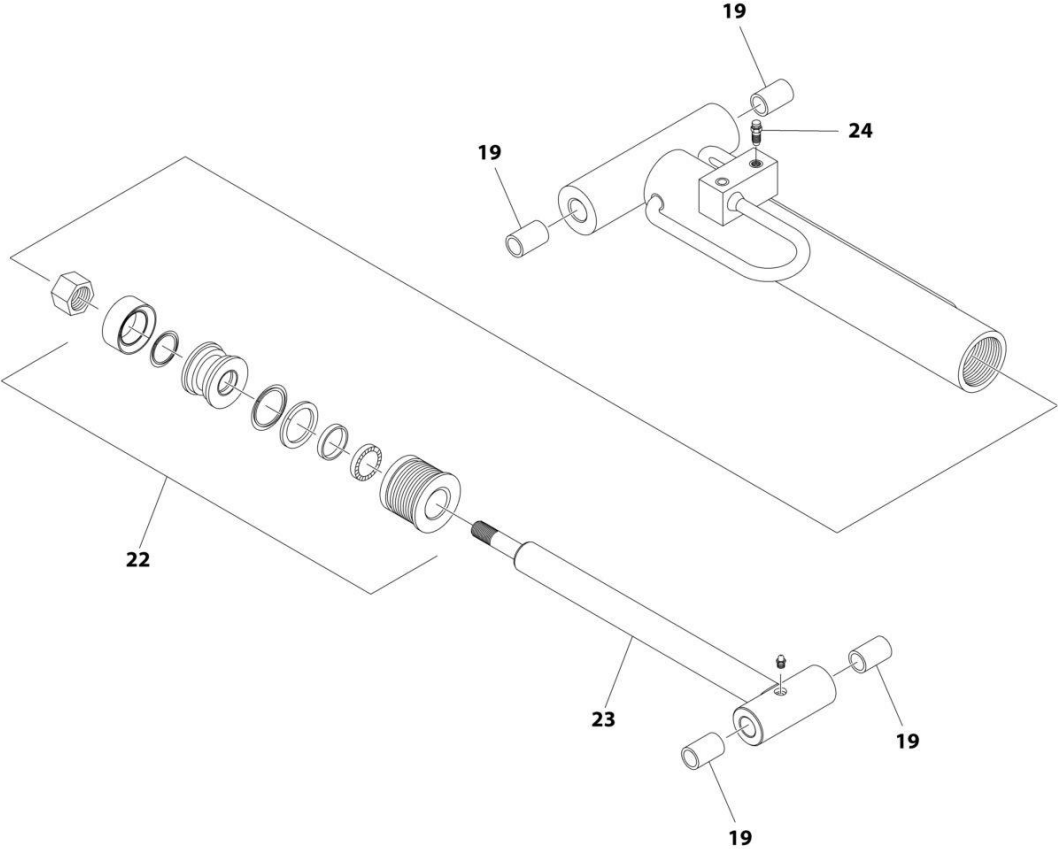
SECTION 6 - CYLINDER

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	273151H2	Ref	LEVEL CYLINDER ASSEMBLY - BOOM	A
18	2706940001	1	Seal Kit - 273151H2 Cylinder	
19	2627890006	2	Bushing	
20	2706940002	1	Rod	
21	2731510003	1	Valve Assembly	

SECTION 6 - CYLINDER

FIGURE 6-4. LEVEL CYLINDER ASSEMBLY - PLATFORM



ART_06-06-00

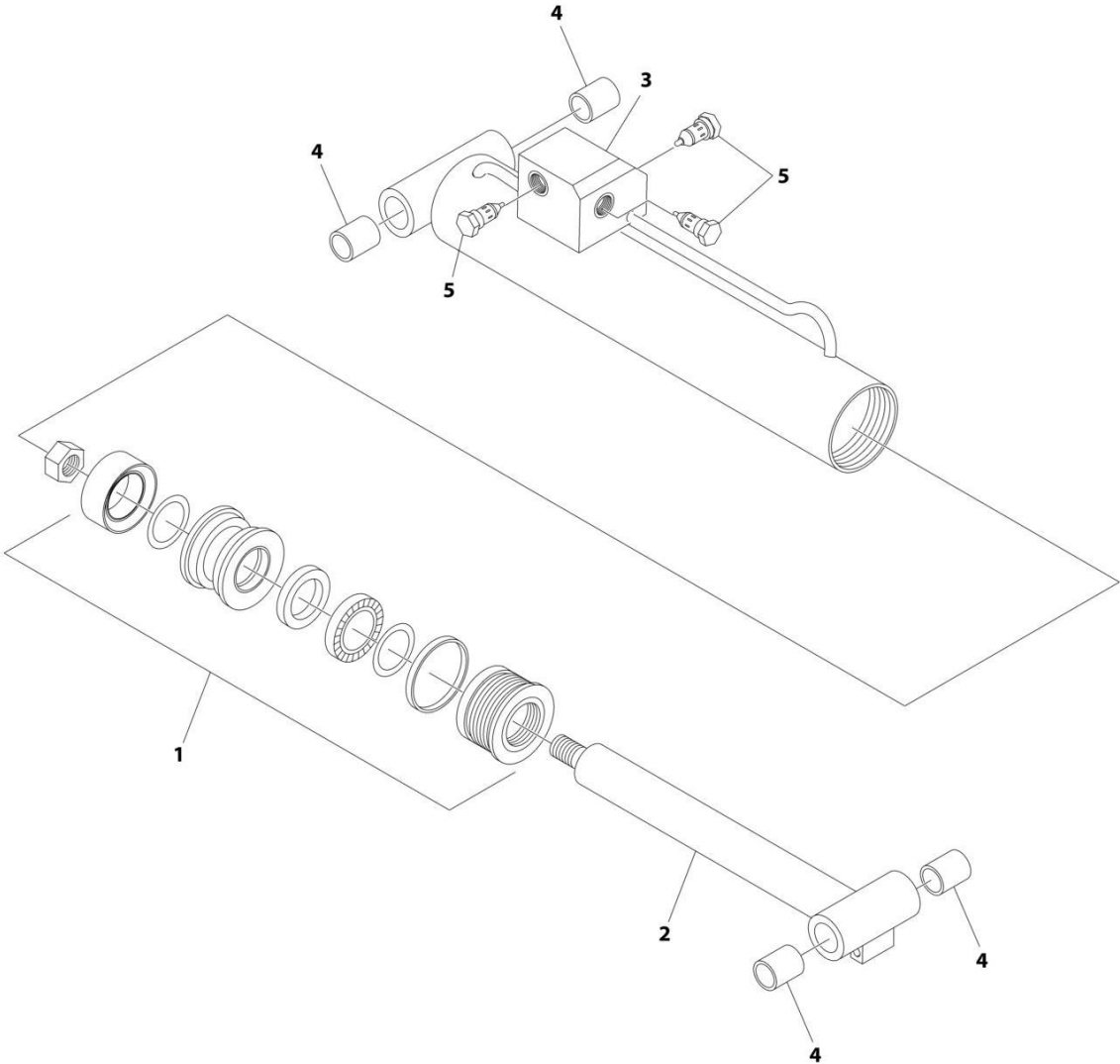
SECTION 6 - CYLINDER

FIGURE 6-4. LEVEL CYLINDER ASSEMBLY - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	270693H2	Ref	LEVEL CYLINDER ASSEMBLY - PLATFORM	A
19	2627890006	2	Bushing	
22	2706930001	1	Seal Kit - 270693H2 Cylinder	
23	2706930002	1	Rod	
24	2588290008	2	Screw	

SECTION 6 - CYLINDER

FIGURE 6-5. OUTRIGGER STABILIZER CYLINDER ASSEMBLY



ART_06-01-00

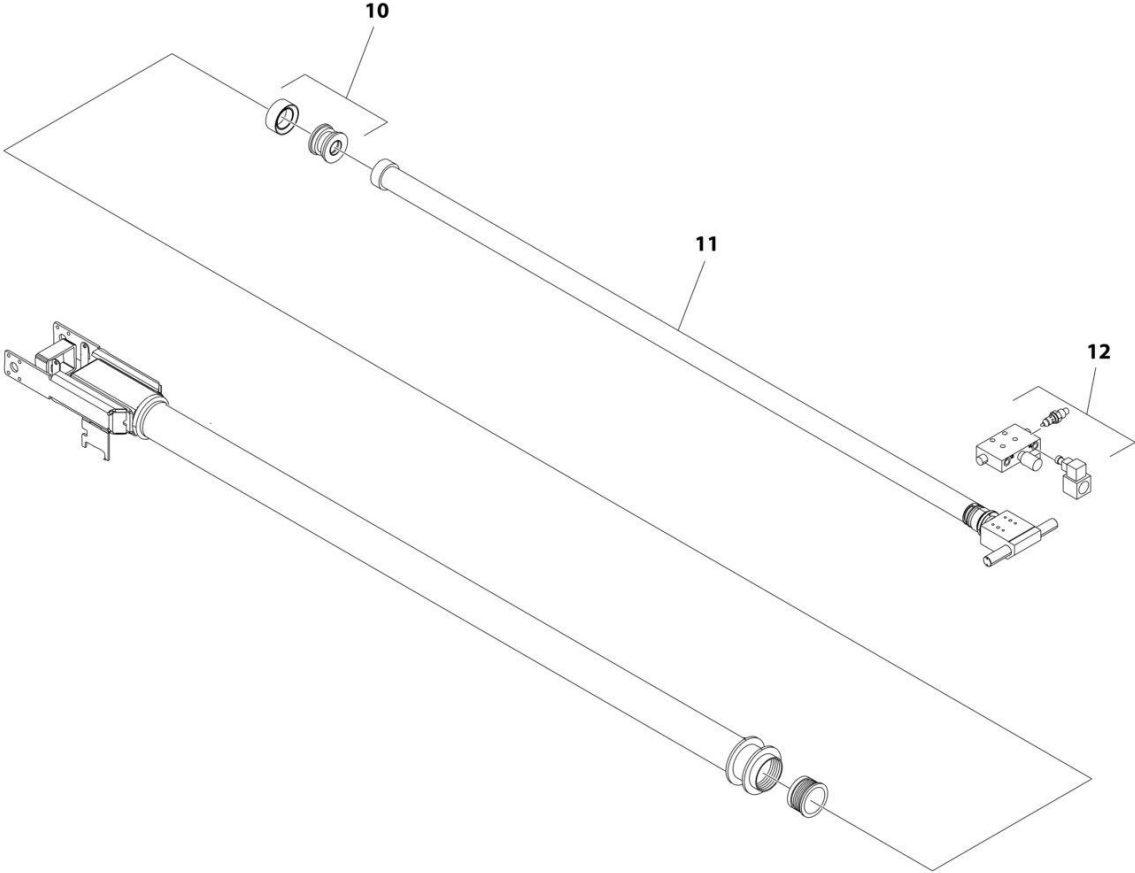
SECTION 6 - CYLINDER

FIGURE 6-5. OUTRIGGER STABILIZER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	282749H2	Ref	OUTRIGGER STABILIZER CYLINDER ASSEMBLY	A
1	2827490002	1	Seal Kit - 282749H2 Cylinder	
2	282749H201	1	Rod	
3	2705540002	1	Block	
4	07765500	1	Bushing	
5	1541150011	1	Cartridge, Valve	

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FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY



ART_06-03-00

SECTION 6 - CYLINDER

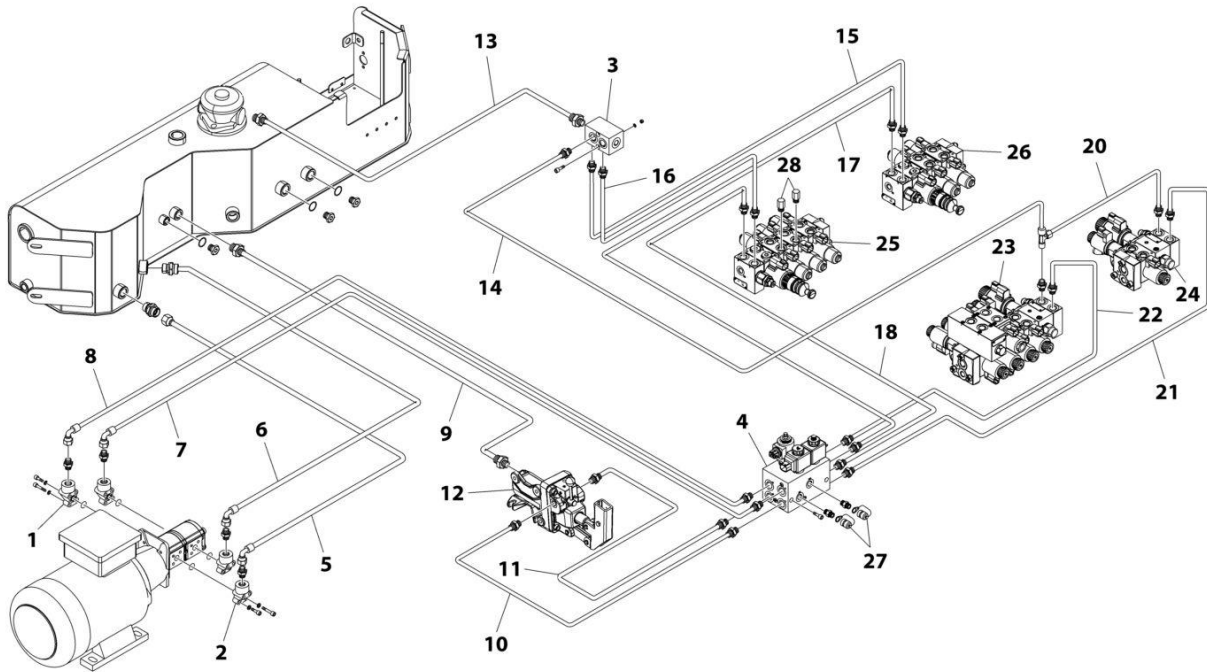
FIGURE 6-6. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	281805H2	Ref	TELESCOPE CYLINDER ASSEMBLY	A
10	2818050002	1	Seal Kit - 281805H2 Cylinder	
11	281805H201	1	Rod	
12	2818050001	1	Valve Assembly	

SECTION 7 - HYDRAULIC

SECTION 7 - HYDRAULIC

FIGURE 7-1. SUPPLY AND DISCHARGE HYDRAULIC SYSTEM



ART_07-01-00

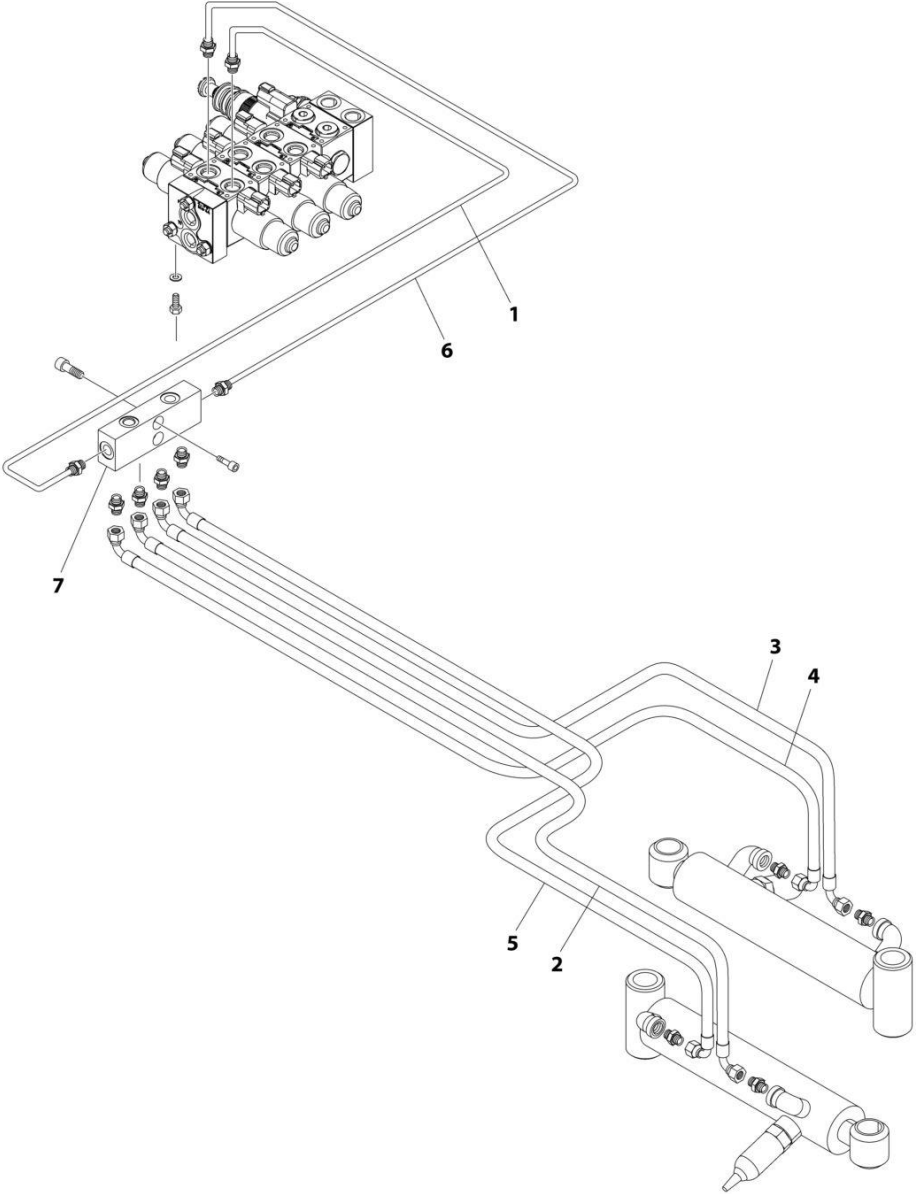
SECTION 7 - HYDRAULIC

FIGURE 7-1. SUPPLY AND DISCHARGE HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	SUPPLY AND DISCHARGE HYDRAULIC SYSTEM	A
1	04048100	2	Fitting	
2	04845400	2	Fitting	
3	05497500	1	Block	
4	18180400	1	Block	
5	08260200	1	Hose	
6	08260300	1	Hose	
7	08260500	1	Hose	
8	08260600	1	Hose	
9	08260400	1	Hose	
10	08234700	1	Tube	
11	08235200	1	Tube	
12	26459400	1	Hand Pump	
13	08234500	1	Tube	
14	08262500	1	Hose	
15	08234900	1	Tube	
16	08235300	1	Tube	
17	08234600	1	Tube	
18	08234800	1	Tube	
20	08279900	1	Pipe	
21	08262300	1	Hose	
22	08262400	1	Hose	
23	28180200	1	Valve Assembly	
24	28180300	1	Valve Assembly	
25	28180000	1	Valve Assembly	
26	28180100	1	Valve Assembly	
27	03014400	2	Valve, Pressure Test	
28	03149500	2	Attach, Extension	

SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC SYSTEM UNDERCARRIAGE EXPANSION



ART_07-02-00

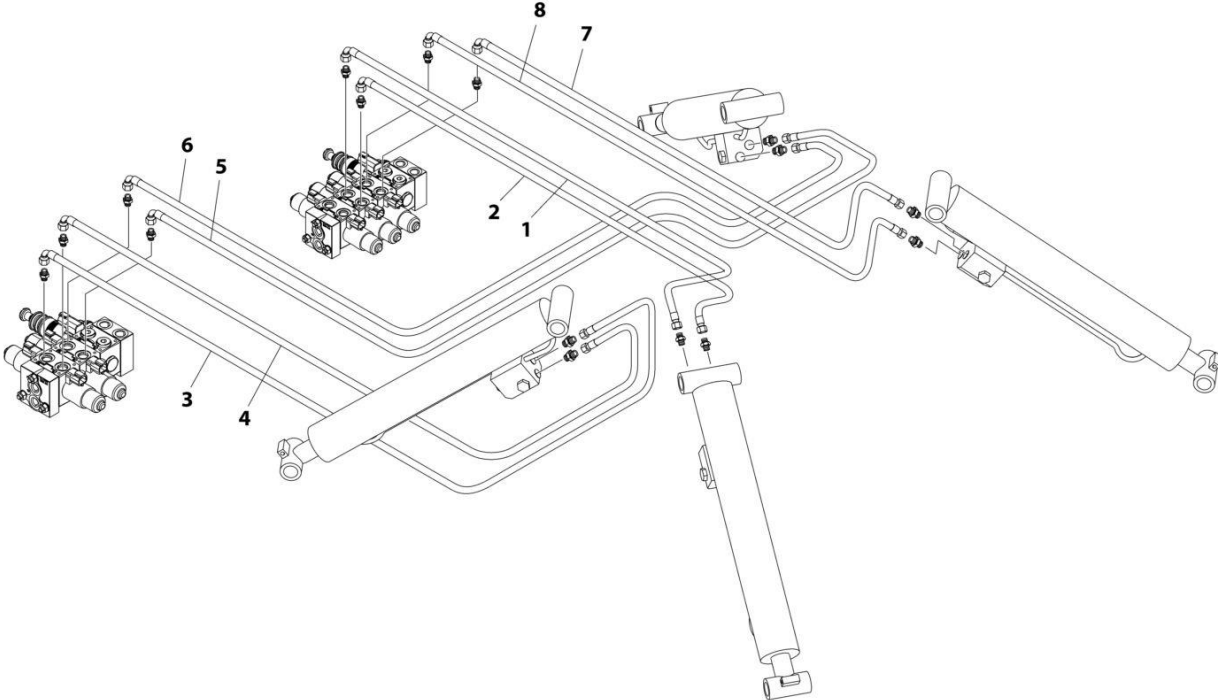
SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC SYSTEM UNDERCARRIAGE EXPANSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC SYSTEM UNDERCARRIAGE EXPANSION	A
1	08235100	1	Tube	
2	08259300	1	Hose	
3	08259100	1	Hose	
4	08259200	1	Hose	
5	08259000	1	Hose	
6	08235000	1	Tube	
7	04707700	1	Manifold	

SECTION 7 - HYDRAULIC

FIGURE 7-3. STABILIZERS HYDRAULIC SYSTEM



ART_07-03-00

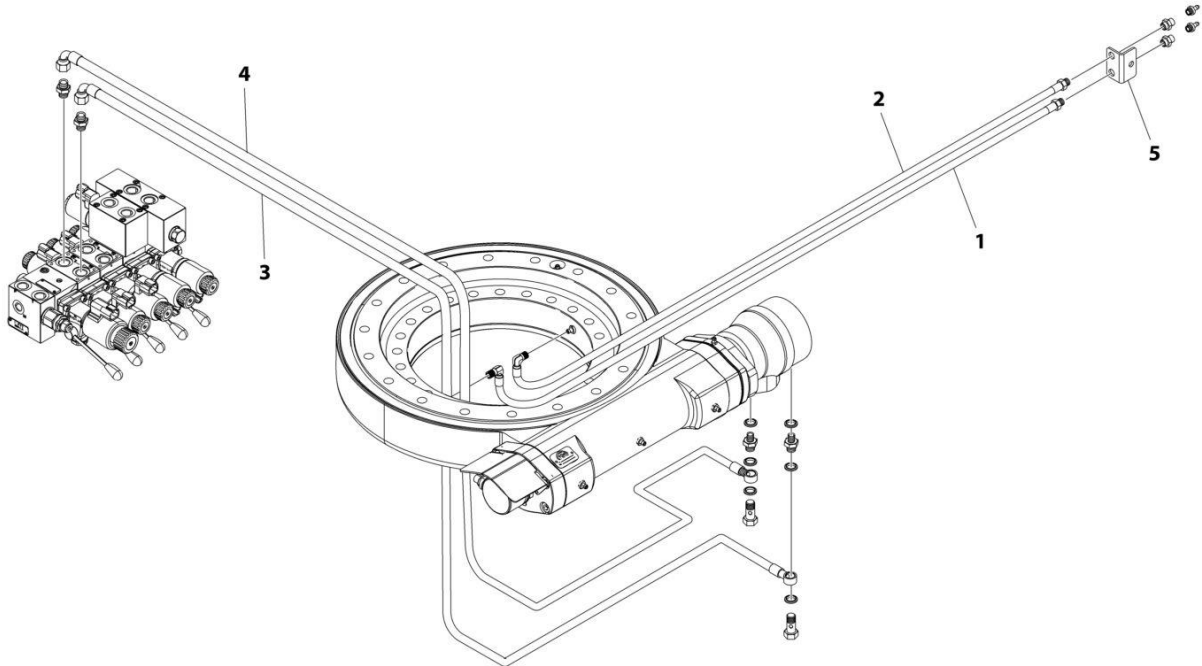
SECTION 7 - HYDRAULIC

FIGURE 7-3. STABILIZERS HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	STABILIZERS HYDRAULIC SYSTEM	A
1	08259400	1	Hose	
2	08259500	1	Hose	
3	08260000	1	Hose	
4	08260100	1	Hose	
5	08259900	1	Hose	
6	08259800	1	Hose	
7	08259600	1	Hose	
8	08259700	1	Hose	

SECTION 7 - HYDRAULIC

FIGURE 7-4. ROTATION HYDRAULIC SYSTEM



ART_07-04-00

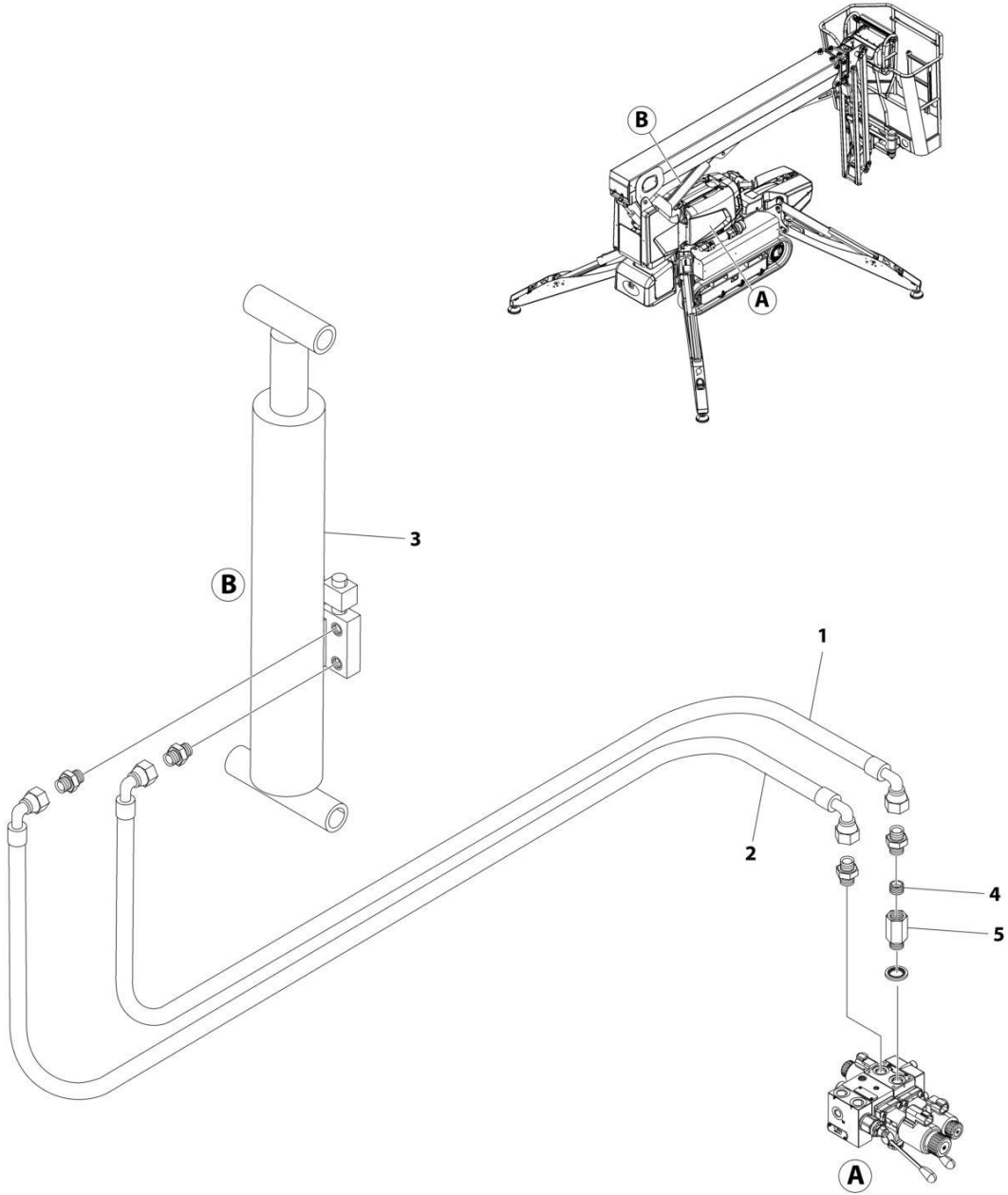
SECTION 7 - HYDRAULIC

FIGURE 7-4. ROTATION HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ROTATION HYDRAULIC SYSTEM	A
1	08260700	1	Hose	
2	08260800	1	Hose	
3	08262100	1	Hose	
4	08262200	1	Hose	
5	055629H3	1	Bracket	

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FIGURE 7-5. MAIN LIFTING HYDRAULIC SYSTEM



ART_07-05-00

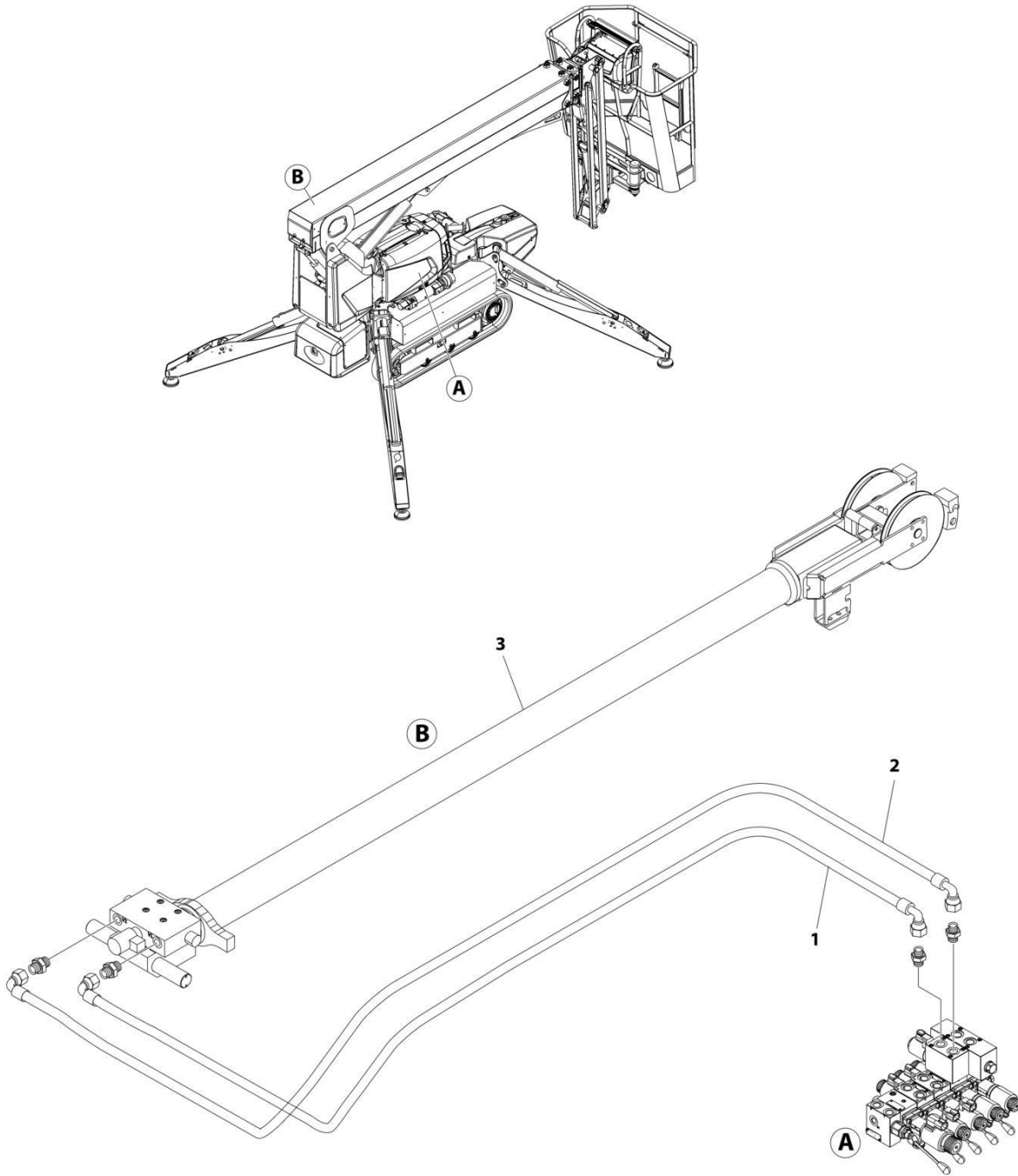
SECTION 7 - HYDRAULIC

FIGURE 7-5. MAIN LIFTING HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN LIFTING HYDRAULIC SYSTEM	A
1	08261500	1	Hose	
2	08261600	1	Hose	
3	281806H2	1	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
4	07867000	1	Valve	
5	07688400	1	Fitting, Straight	

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FIGURE 7-6. EXTENSION ARM HYDRAULIC SYSTEM



ART_07-06-00

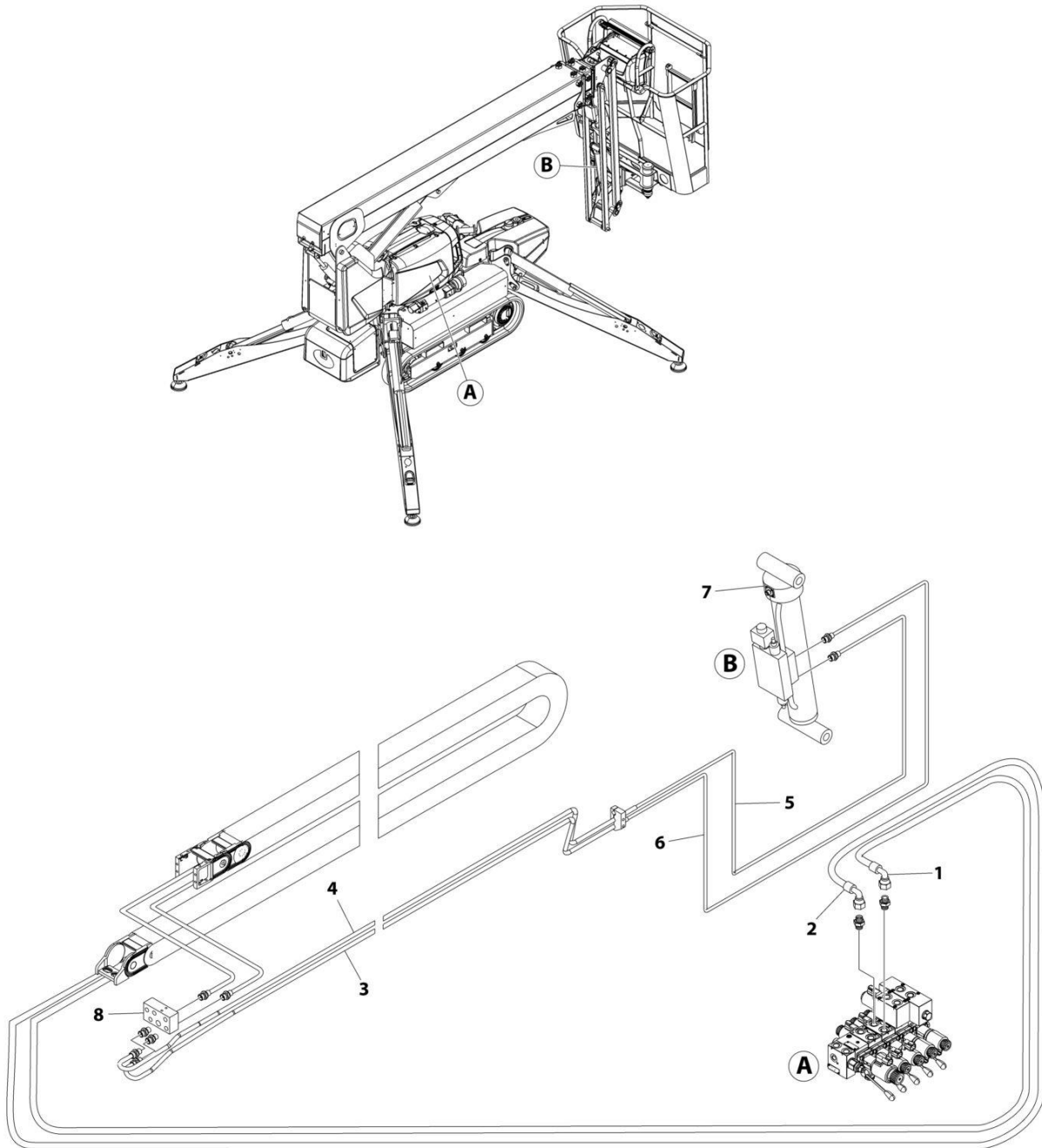
SECTION 7 - HYDRAULIC

FIGURE 7-6. EXTENSION ARM HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	EXTENSION ARM HYDRAULIC SYSTEM	A
1	08261800	1	Hose	
2	08261700	1	Hose	
3	281805H2	1	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	

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FIGURE 7-7. JIB HYDRAULIC SYSTEM



ART_07-00

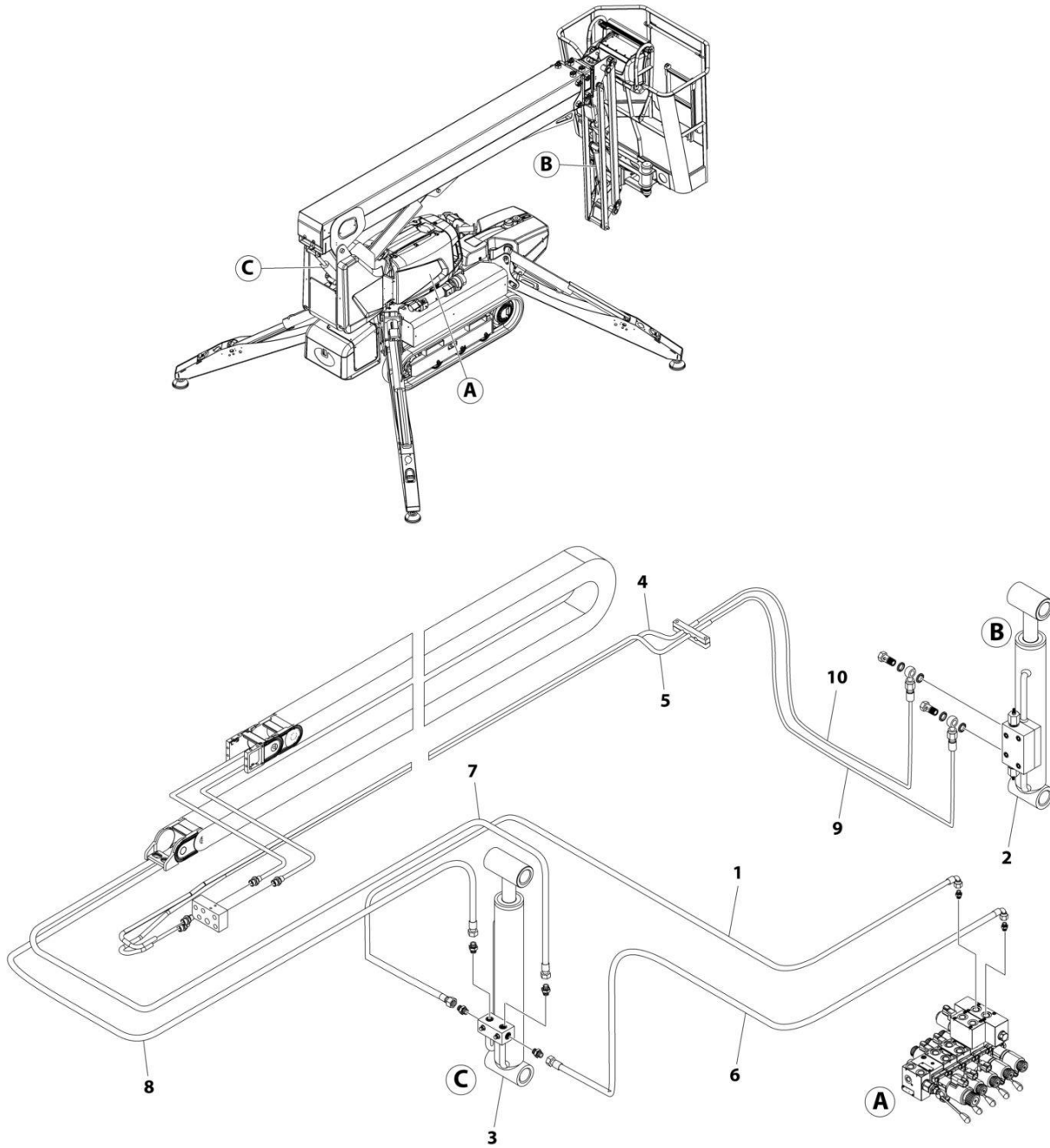
SECTION 7 - HYDRAULIC

FIGURE 7-7. JIB HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	JIB HYDRAULIC SYSTEM	A
1	08260900	1	Hose	
2	08261000	1	Hose	
3	08188000	1	Pipe	
4	08188200	1	Pipe	
5	08262900	1	Hose	
6	08262800	1	Hose	
7	281807H2	1	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
8	08187600	1	Block	

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FIGURE 7-8. LEVELING CYLINDERS HYDRAULIC SYSTEM



ART_07-08-00

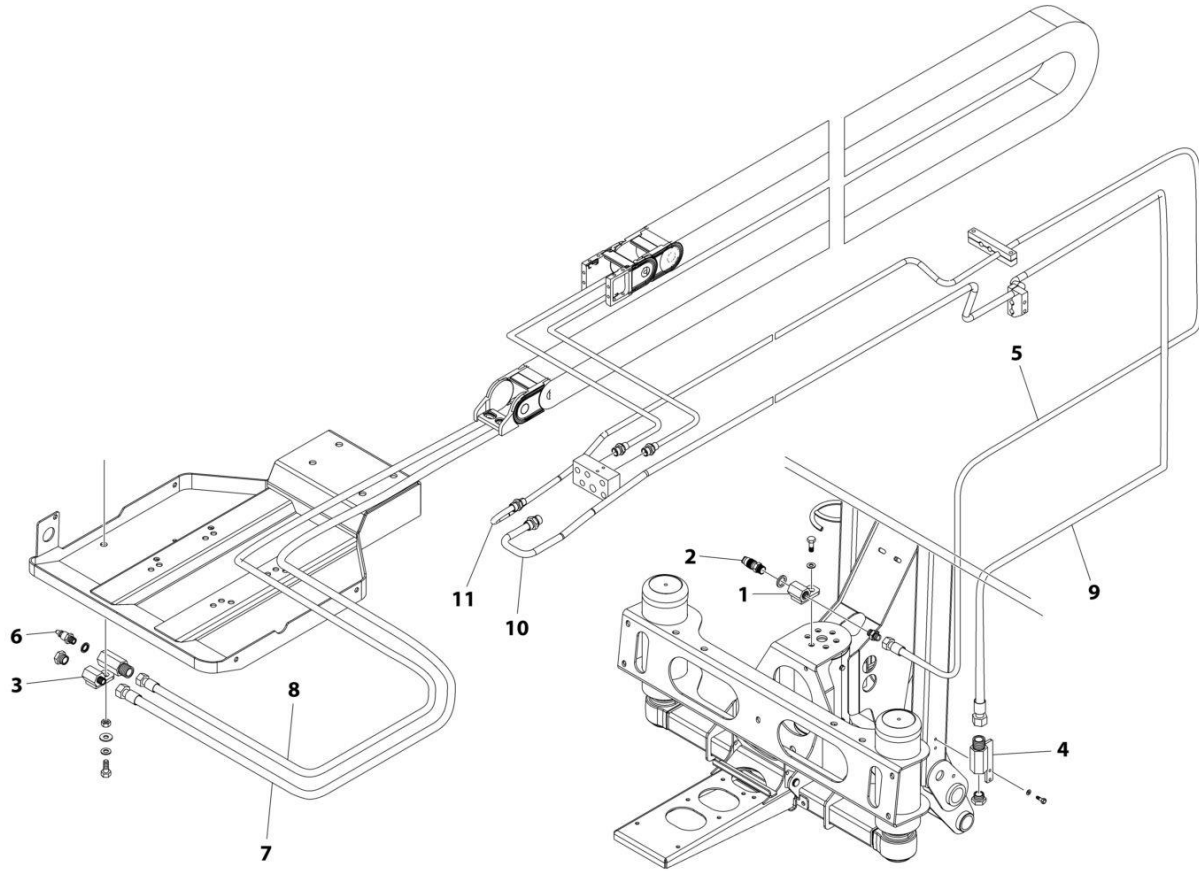
SECTION 7 - HYDRAULIC

FIGURE 7-8. LEVELING CYLINDERS HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	LEVELING CYLINDERS HYDRAULIC SYSTEM	A
1	08261300	1	Hose	
2	273151H2	1	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
3	270693H2	1	Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
4	08188300	1	Pipe	
5	08188400	1	Pipe	
6	08261400	1	Hose	
7	08261100	1	Hose	
8	08261200	1	Hose	
9	08263100	1	Hose	
10	08263000	1	Hose	

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FIGURE 7-9. COMPRESSED AIR HYDRAULIC SYSTEM



ART_07-09-00

SECTION 7 - HYDRAULIC

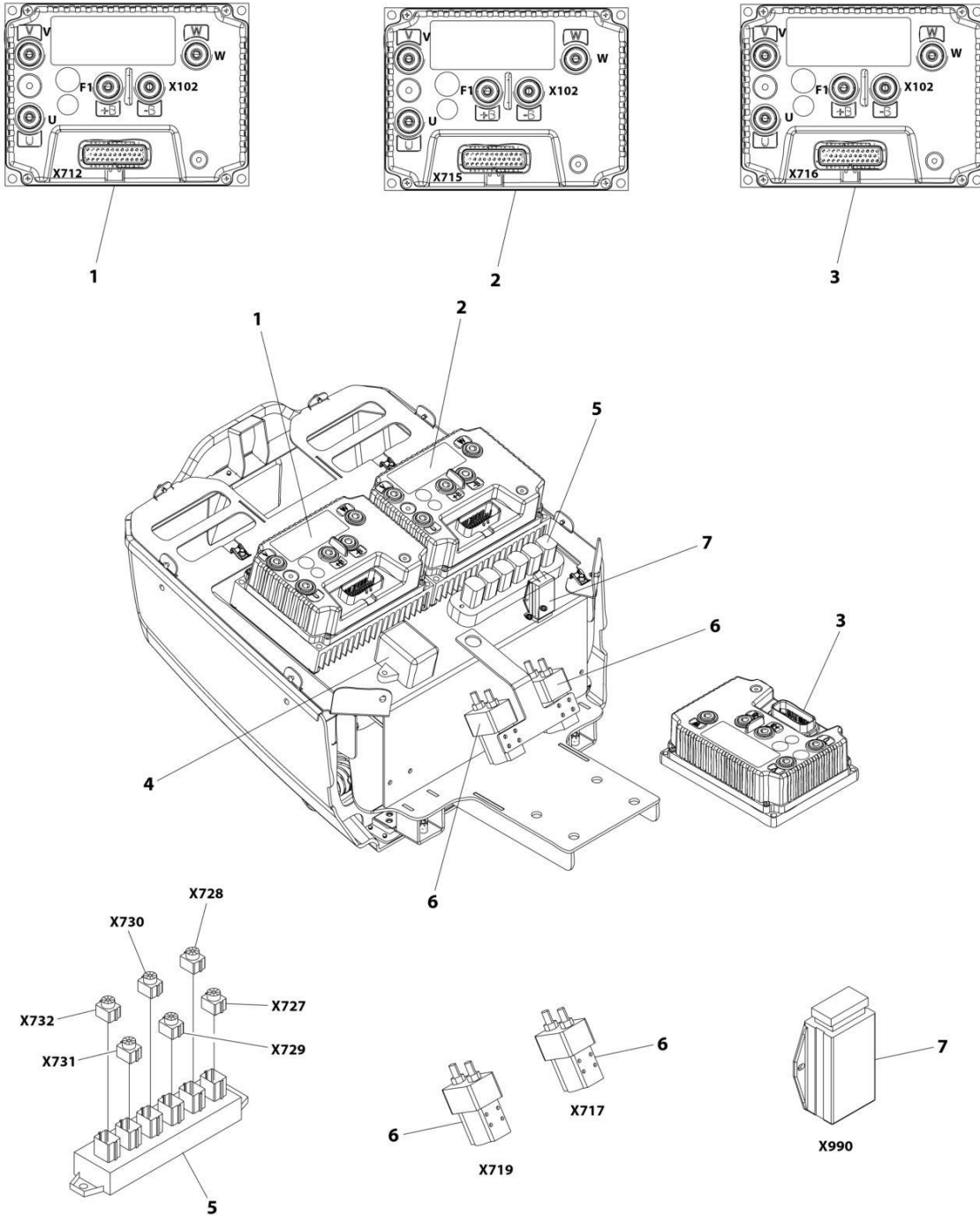
FIGURE 7-9. COMPRESSED AIR HYDRAULIC SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	COMPRESSED AIR HYDRAULIC SYSTEM	A
1	04845100	1	Support	
2	05509900	1	Fitting, Quick Coupling	
3	07611000	1	Fitting, Straight	
4	07611100	1	Fitting, Straight	
5	08262600	1	Hose	
6	05580200	1	Faucet	
7	08261900	1	Hose	
8	08262000	1	Hose	
9	08262700	1	Hose	
10	08188100	1	Pipe	
11	08188500	1	Pipe	

SECTION 8 - ELECTRICAL

SECTION 8 - ELECTRICAL

FIGURE 8-1. ELECTRICAL SYSTEM COMPONENTS - INVERTER



ART_08-01-00

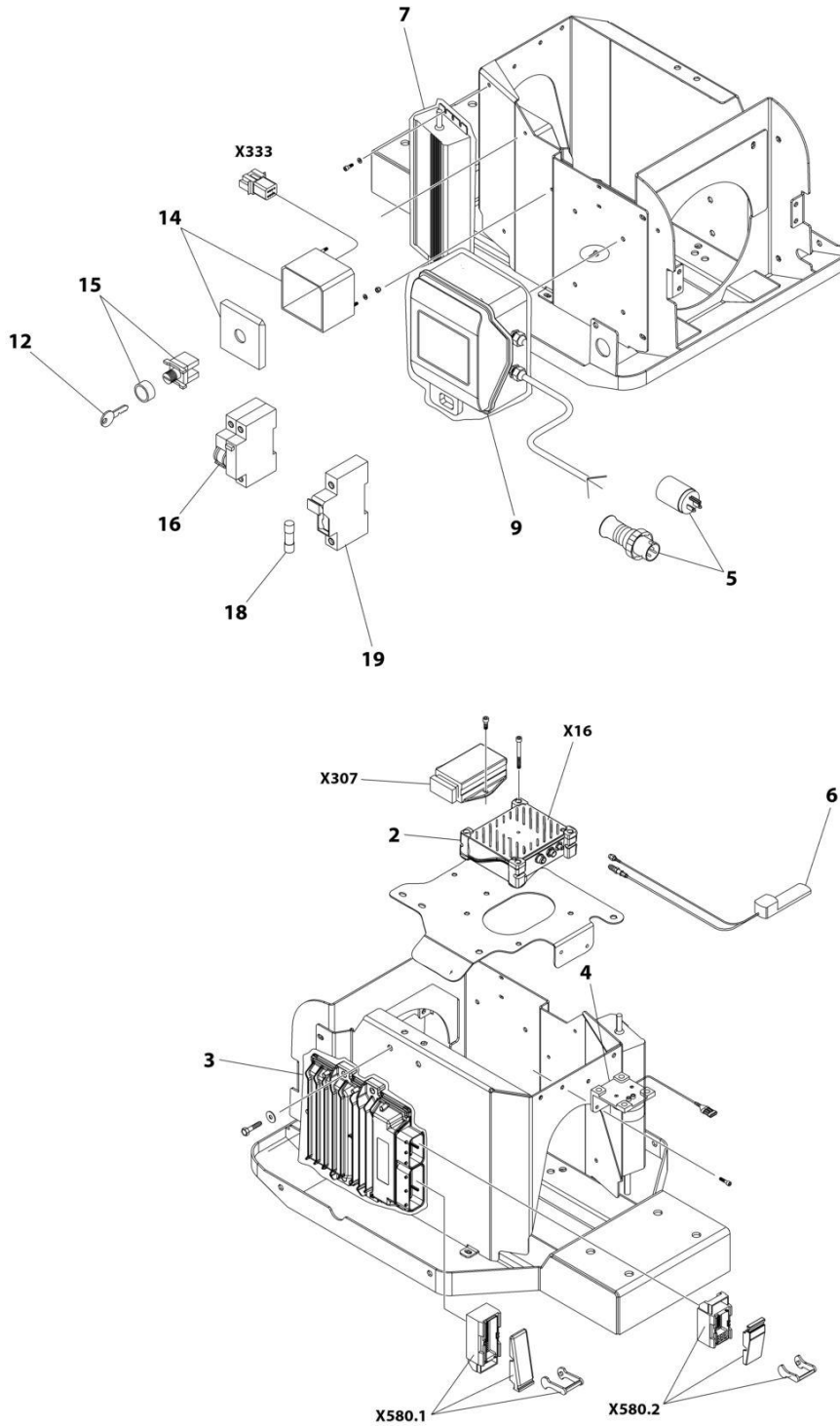
SECTION 8 - ELECTRICAL

FIGURE 8-1. ELECTRICAL SYSTEM COMPONENTS - INVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM COMPONENTS	A
1	28232400	1	Inverter, Right	
2	28291100	1	Inverter, Left	
3	28232500	1	Inverter	
4	1730720088	1	Insulator	
5	1730720087	1	Connector, Junction	
6	26429300	2	Switch, Remote Control	
7	082897Y1	1	Bracket, Relay Support	
7	1772950021	1	Relay	

SECTION 8 - ELECTRICAL

FIGURE 8-2. ELECTRICAL SYSTEM COMPONENTS - MODEM



ART_08-02-00

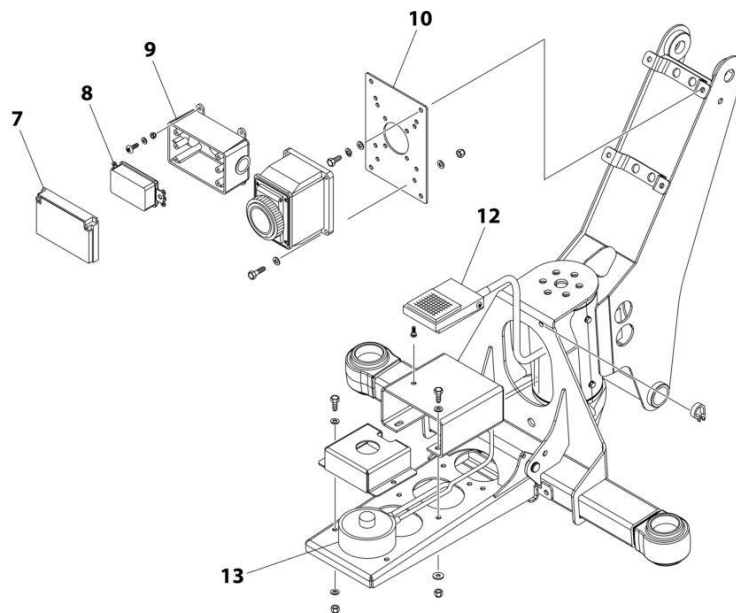
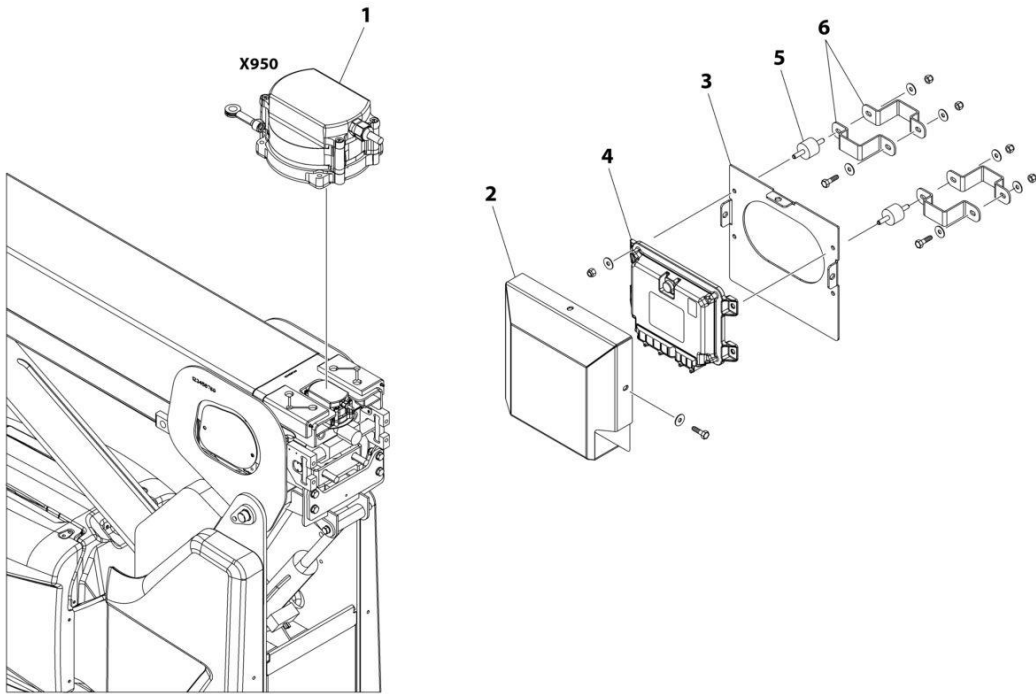
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FIGURE 8-2. ELECTRICAL SYSTEM COMPONENTS - MODEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM COMPONENTS	A
2	1772950017	1	Modem, GPS	
3	07844200	1	Resistor - 120 OHM	
3	17162400	1	Module, Control	
3	17162500	1	Harness	
3	1787280015	1	Replacement Control Module (ECM 1 & 2/Master)	
3	18218600	1	Tool, ODU Connector	
3	18247700	1	Module, Control Kit	
3	26582800	1	Adapter	
4	06639100	1	Alarm	
5	27074000	NLA	Plug, Male - 120V (ANSI Specs) (Use PN 4460138)	
6	27396100	1	Sensor	
7	1001249405	1	Converter 12V DC	
9	1757250008	1	Electrical Box	
12	1651290015	1	Key	
14	1772950019	1	Box, Kew Switch	
15	1585570006	1	Selector	
16	1556350063	1	Breaker, Circuit	
17	1757250006	1	Relay (Not Shown)	
18	1730720017	1	Fuse 10A	
19	1730720015	1	Fuse Holder 220/110V	

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FIGURE 8-3. ELECTRICAL SYSTEM COMPONENTS - ROTATION SENSOR



ART_08-03-00

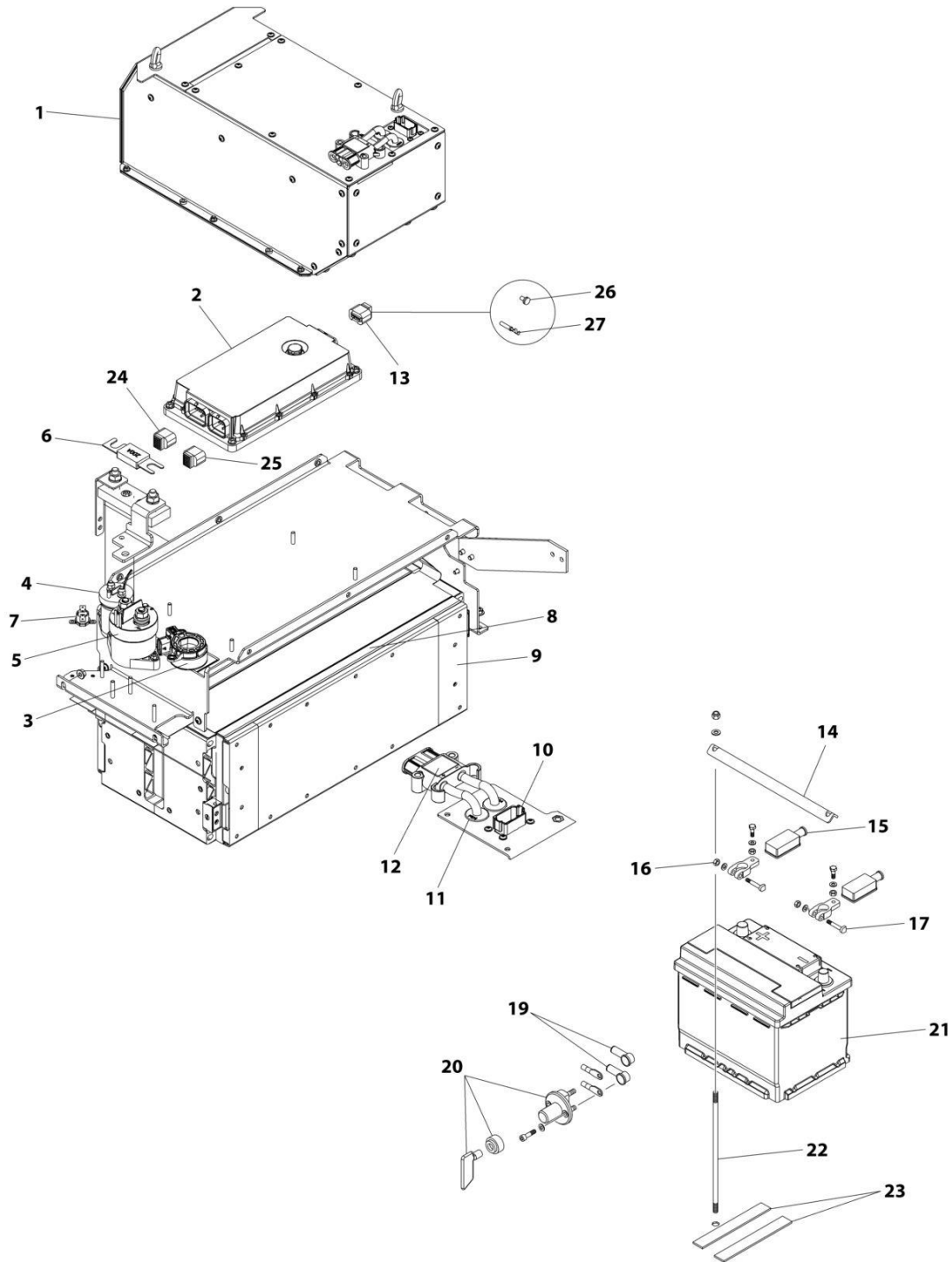
SECTION 8 - ELECTRICAL

FIGURE 8-3. ELECTRICAL SYSTEM COMPONENTS - ROTATION SENSOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM COMPONENTS	A
1	1730720015	1	Fuse Holder 220/110V	
2	077712H2	1	Cover, ECM 3	
3	077091H2	1	Mountr, ECM 3	
4	1772950016	1	Control Board	
5	04152300	4	Spring Support	
6	077090H2	8	Clamp	
7	27073800	NLA	Cover, Receptacle (ANSI Specs) (Use PN 1671207)	
8	27073900	NLA	Receptacle, GFI (ANSI Specs) (Use PN 4460346)	
9	27073700	NLA	Box, Receptacle (ANSI Specs) (Use PN 0861731)	
10	077089H2	1	Bracket, Platform Receptacle	
12	1772950015	1	Footswitch	
13	17669800	1	Sensor, Load	

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FIGURE 8-4. ELECTRICAL SYSTEM COMPONENTS - LITHIUM BATTERY PACK



ART_08-04-00

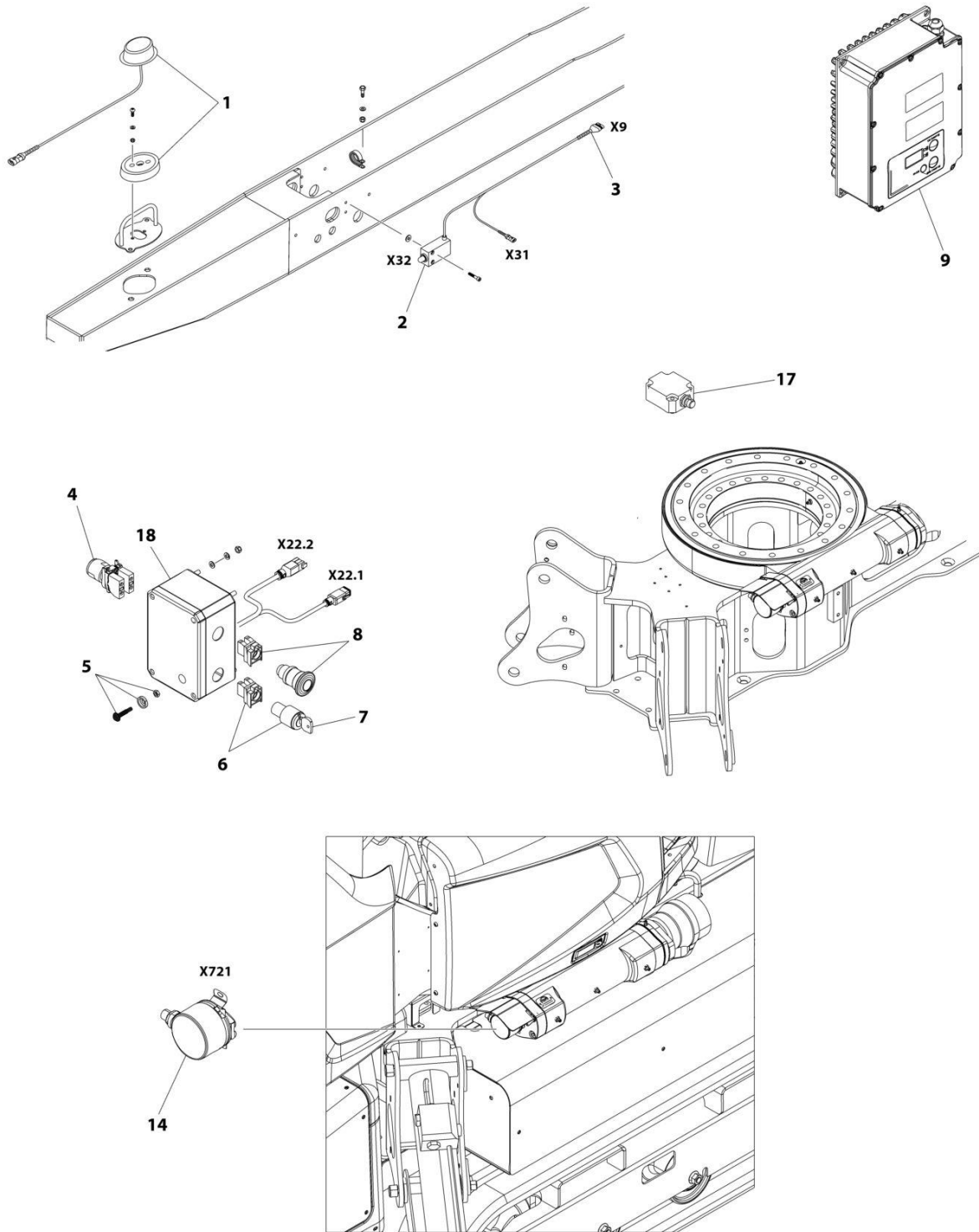
SECTION 8 - ELECTRICAL

FIGURE 8-4. ELECTRICAL SYSTEM COMPONENTS - LITHIUM BATTERY PACK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM COMPONENTS	A
1	18209600	1	Battery, Lithium Pack 51.9V - 80AH TC13	
2	1820960001	1	Battery, BMS Master 51,9V - 80A	
3	1820960002	1	Sensor	
4	1820960003	1	Relay of Internal Power Pack 100A	
5	2781020012	1	Relay of Internal Power Pack 500A	
6	1820960004	1	Fuse 200A	
7	1820960005	1	Regulator, Thermostat	
8	1820960008	1	Heater,25V 400W	
9	1820960009	1	Battery, Lithium Cell Module 25.9V 80AH	
10	1820960007	1	Connector	
11	1820960006	1	Rubber Ring	
12	1810110001	1	Socket	
13	2781020020	1	Connector - 34 Way	
14	077483Y1	1	Plate, Battery Tie Down	
15	2632920007	1	Cover, Battery Terminal - Red	
16	1739150023	1	Clamp, Battery Terminal Post (+)	
16	2632920008	1	Cover, Battery Terminal - Black	
17	1739150025	1	Clamp, Battery Terminal Post (-)	
19	1733730029	1	Cover	
20	04774900	1	Switch, Battery Cut-Out	
21	27668600	1	Battery	
22	06551000	2	Tie Rod	
23	07894700	2	Compound Licking	
24	2781020019	1	Connector - 34 Way	
25	2781020021	1	Connector - 26 Way	
26	2781020023	1	Cap	
27	2781020022	1	Pin, Male	

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FIGURE 8-5. ELECTRICAL SYSTEM COMPONENTS - BEACON LIGHT AND CHARGER AND SENSORS



ART_08-05-00

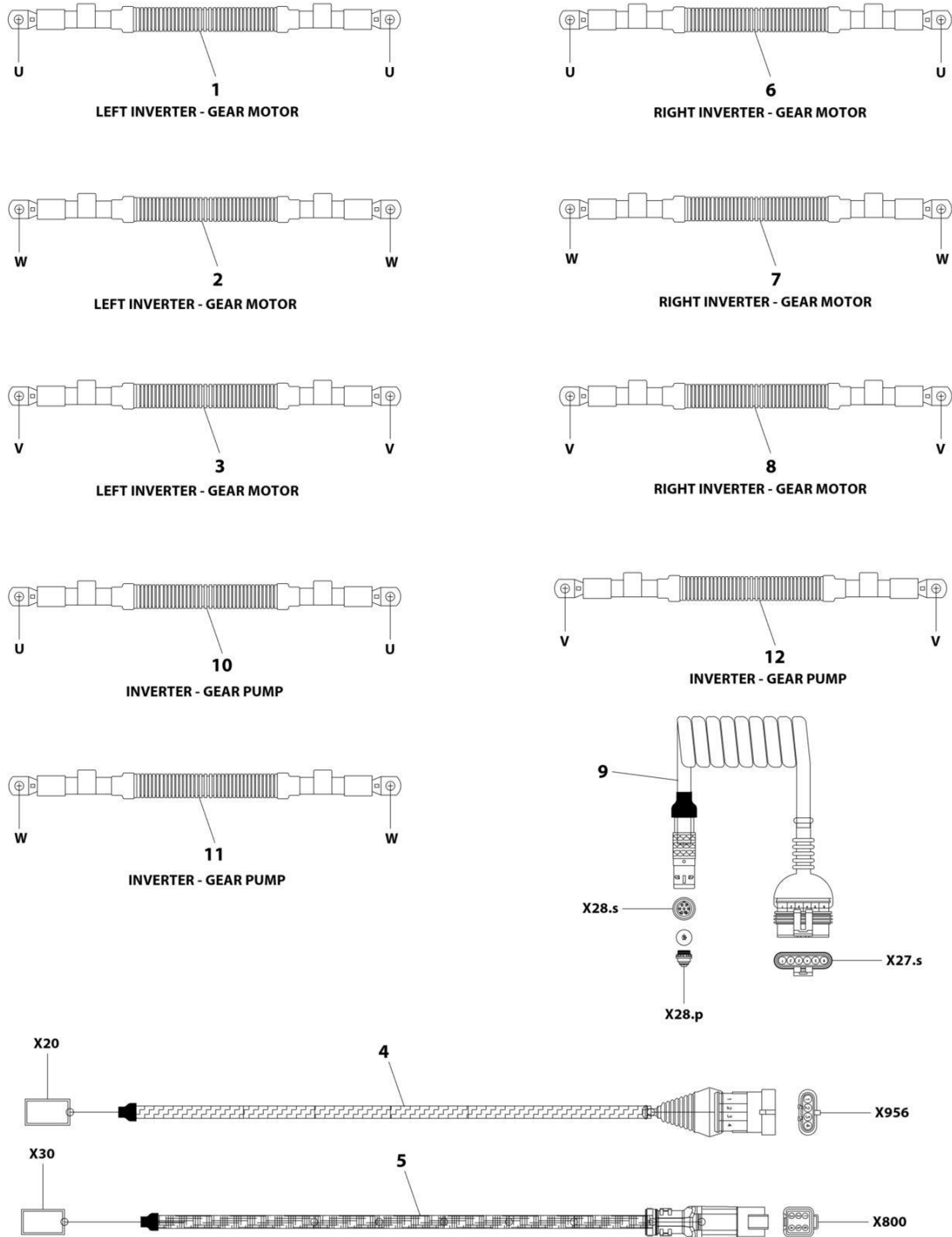
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FIGURE 8-5. ELECTRICAL SYSTEM COMPONENTS - BEACON LIGHT AND CHARGER AND SENSORS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM COMPONENTS	A
1	1757250023	1	Lamp, LED	
2	1772950011	1	Cable with Micro Switch	
3	1772950012	1	Cable, Extension Stabilizer	
4	1556350068	1	Switch, 3 Position	
5	1730720005	1	Light	
6	1692150001	1	Block	
7	1651290015	1	Key	
8	1773980004	1	Button	
9	18241300	1	Charger	
14	27997100	1	Switch, Sensor	
17	17708000	1	Inclinometer	
18	1820330002	1	Box, Ground Stop	

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FIGURE 8-6. ELECTRICAL SYSTEM - INVERTER CABLES



ART_08-06-00

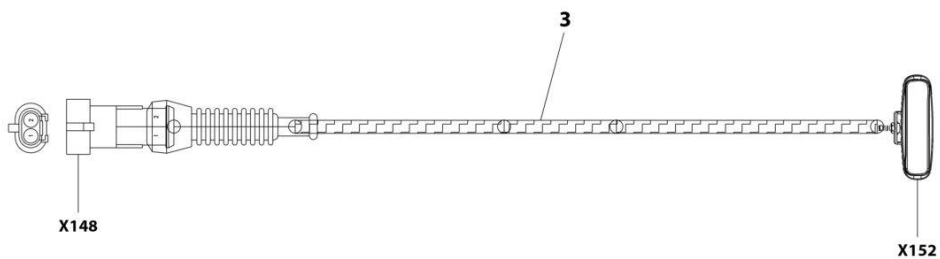
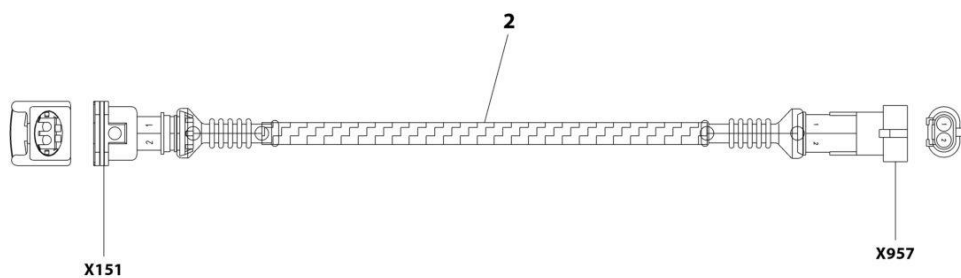
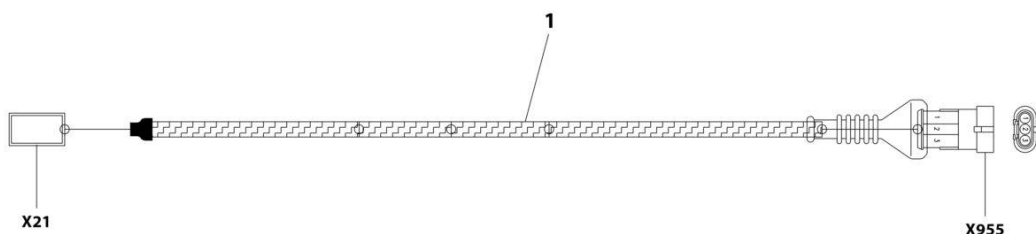
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FIGURE 8-6. ELECTRICAL SYSTEM - INVERTER CABLES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM	A
1	1820330005	1	Cable "U" Left Motor TC13	
2	1820330006	1	Cable "W" Left Motor TC13	
3	1820330007	1	Cable "V" Left Motor TC13	
4	1820330008	1	Micro Ropes Extension	
5	1820330015	1	Extension Cylinder Sensor	
6	1820330009	1	Cable "U" Right Motor TC13	
7	1820330010	1	Cable "W" Left Right TC13	
8	1820330011	1	Cable "V" Right Motor TC13	
9	08295000	1	Switch, Emergency Ground Activation (with ODU Connector)	
10	18294900	1	Ground Remote Control Cable ODU Version with Bridge	
11	1820330012	1	Cable "U" Pump Motor TC13	
12	1820330013	1	Cable "W" Pump Motor TC13	
13	1820330014	1	Cable "V" Pump Motor TC13 (Not Shown)	

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FIGURE 8-7. ELECTRICAL SYSTEM - LOWER BOOM CABLES



ART_08-07-00

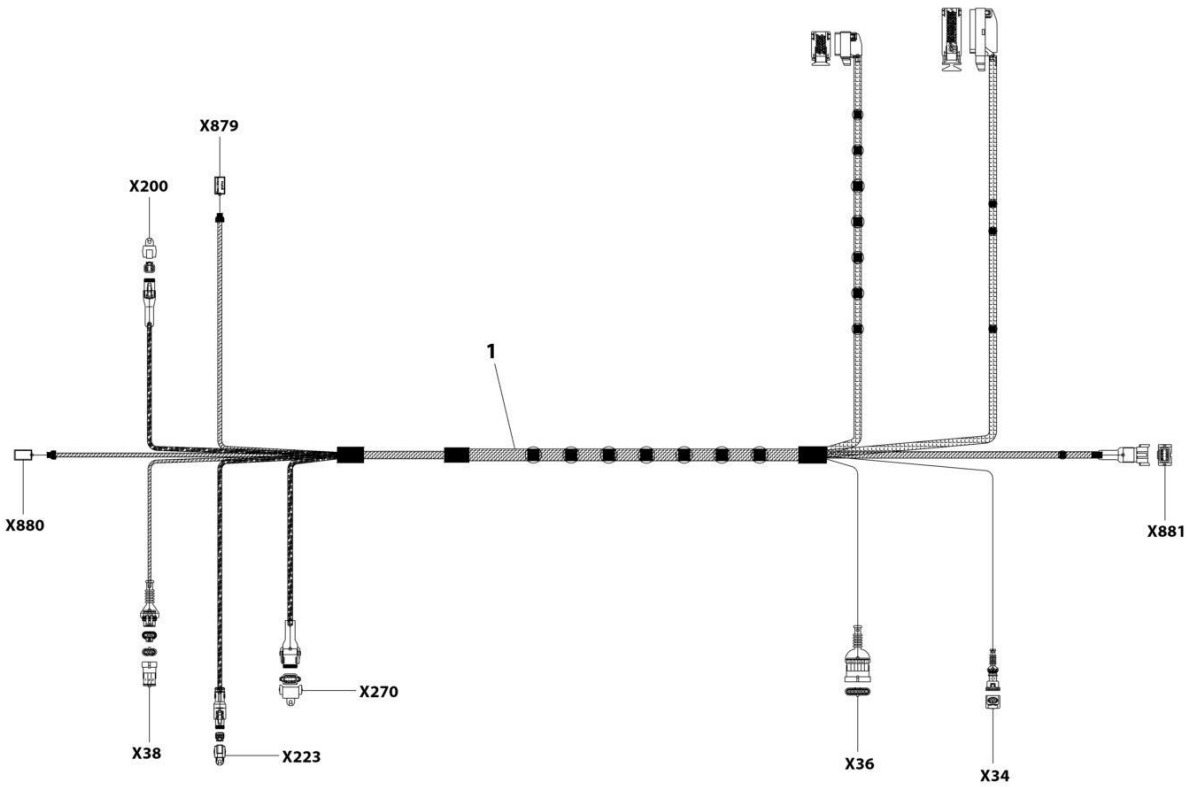
SECTION 8 - ELECTRICAL

FIGURE 8-7. ELECTRICAL SYSTEM - LOWER BOOM CABLES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM	A
1	1820330019	1	Extension Micro Position First Arm	
2	1820330018	1	Emergency Extension Electric Line	
3	1817030001	1	Worklight 12V with 2-Way Connector	

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FIGURE 8-8. ELECTRICAL SYSTEM - PLATFORM CABLES



ART_08-08-00

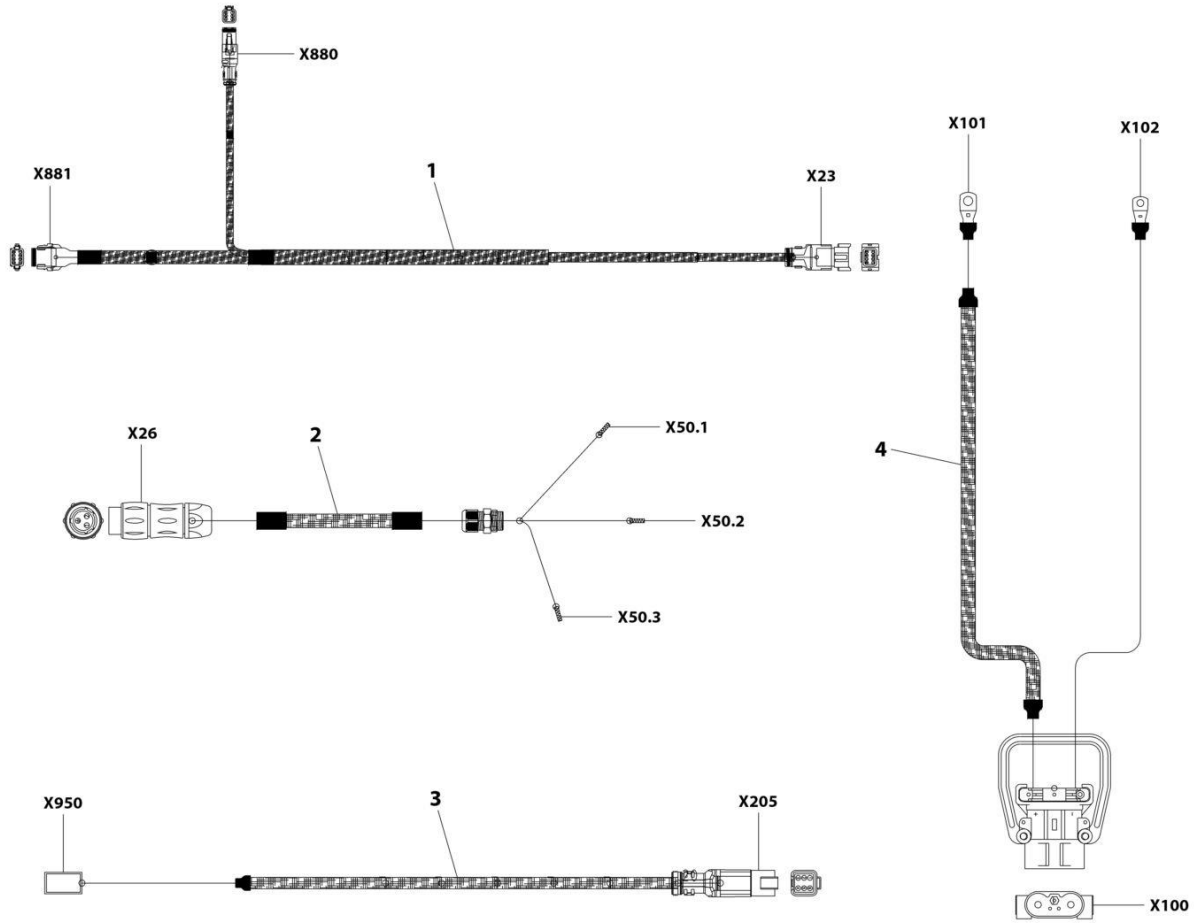
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FIGURE 8-8. ELECTRICAL SYSTEM - PLATFORM CABLES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1820330021	Ref 1	ELECTRICAL SYSTEM Basket Line Wiring	A

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FIGURE 8-9. ELECTRICAL SYSTEM - UPPER BOOM CABLES



ART_08-09-00

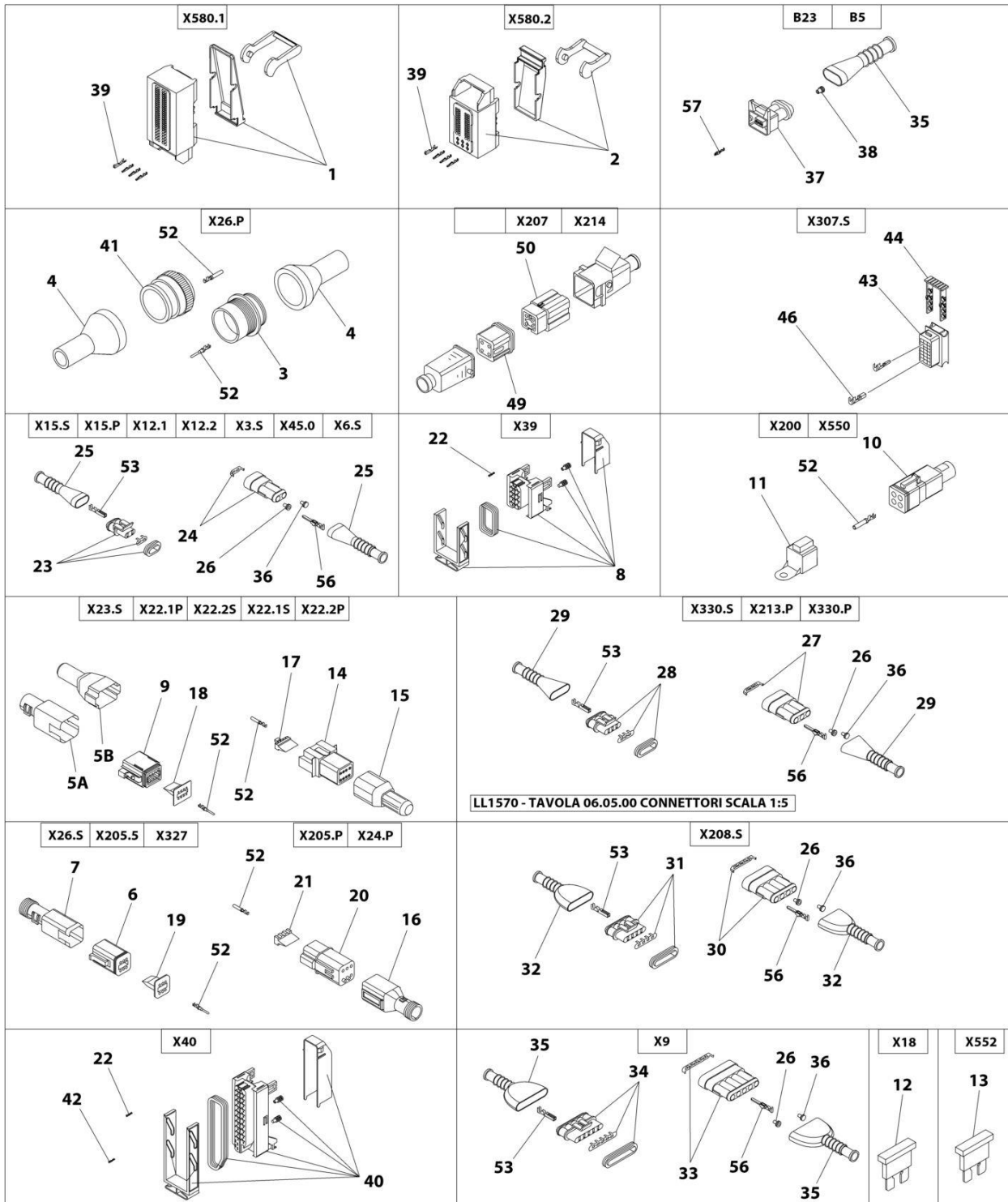
SECTION 8 - ELECTRICAL

FIGURE 8-9. ELECTRICAL SYSTEM - UPPER BOOM CABLES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL SYSTEM	A
1	1820330017	1	Upper Basket Extension	
2	1820330022	1	Electric Socket Line on Basket	
3	1820330023	1	Cable Sensor Extension	
4	1820330020	1	Battery Pack Cable	

SECTION 8 - ELECTRICAL

FIGURE 8-10. ELECTRICAL SYSTEM - CONNECTORS AND FUSES



ART_08-10-00

SECTION 8 - ELECTRICAL

FIGURE 8-10. ELECTRICAL SYSTEM - CONNECTORS AND FUSES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	CONNECTOR COMPONENTS	
1	1772950005	1	Connector	
2	1772950006	1	Connector	
3	1730720051	1	Connector	
4	1730720054	1	Cap	
5A	1730720035	1	Cap	
5B	1757250025	1	Cap	
6	1730720037	1	Connector, Male - 6 Position	
7	1730720039	1	Cap	
8	1772950009	1	Connector	
9	1730720033	1	Connector, Male - 8 Position	
10	1763330001	1	Connector, 4-Way Male	
11	1763330002	1	Cap for 4-Way Male Connector	
12	07700700	1	Fuse 25A	
13	05760700	1	Fuse 5A	
14	1730720029	1	Connector, 8-Way Female	
15	1730720031	1	Protection	
16	1730720084	1	Protection	
16	1757250027	1	Cap	
17	1730720030	1	Plate	
18	1730720034	1	Plate	
19	1730720038	1	Plate	
20	1730720041	1	Connector, 6-Way Female	
21	1730720042	1	Connector	
22	1772950007	1	Ferrule Female	
23	1757250031	1	Connector	
24	1757250032	1	Connector	
25	1757250033	1	Cap	
26	1757250043	1	Rubber Seal	
27	1757250035	1	Connector	
28	1757250034	1	Connector	
29	1757250036	1	Cap	
30	1757250038	1	Connector	
31	1757250037	1	Connector	
32	1757250039	1	Cap	
33	1757250041	1	Connector	
34	1757250040	1	Connector, Female - 5 Position	
34	1757250056	1	Connector, Male - 5 Position	
35	1757250042	1	Connector, Female - 5 Position	
35	1757250057	1	Connector, Male - 5 Position	
36	1757250046	1	Seal	
37	1757250044	1	Connector	
38	1757250045	1	Seal	
39	17306300	1	Ferrule Female	
39	1772950001	1	Ferrule Female	
40	1772950010	1	Connector	
41	1730720059	1	Connector	
42	1772950008	1	Ferrule Female	
43	17473600	1	Connector, 24-Way	
44	17473700	1	Slide for 24-Way Connector	

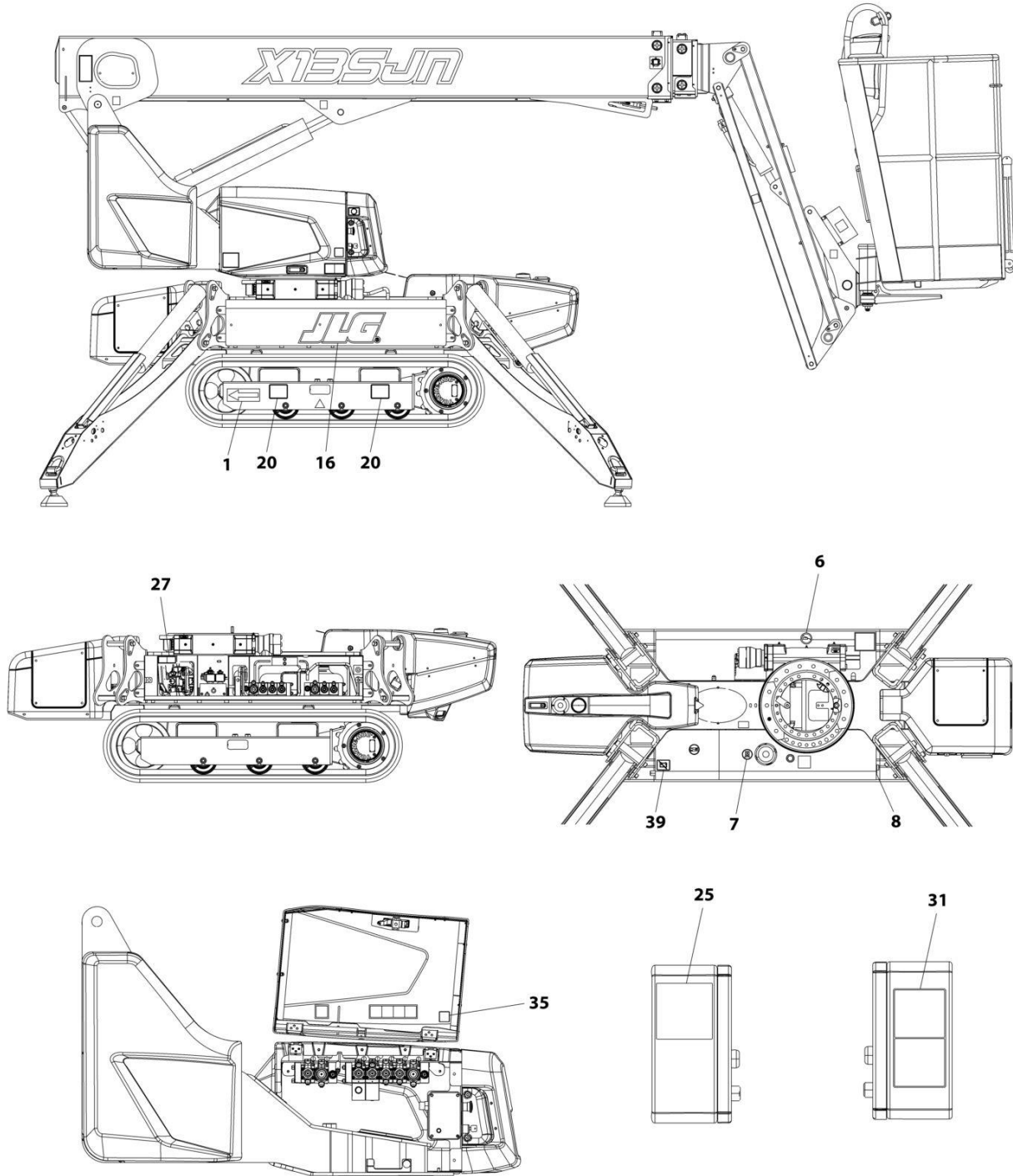
SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	17473800	1	Ferrule Female	
49	07913200	1	Complete Connector PM 220V 3-Way	
49	07913300	1	Ferrule Male	
49	07913400	1	Ferrule Male	
50	07913100	1	Complete Connector PF 220V 3-Way	
50	07913500	1	Ferrule Female	
50	07913600	1	Ferrule Female	
52	1730720032	1	Terminal Male 0.5-1	
52	1730720036	1	Terminal Female 0.5-1	
52	1730720040	1	Terminal Female	
52	1730720043	1	Terminal Male	
52	1730720055	1	Contact Male	
52	1730720056	1	Cap 12-16	
52	1730720057	1	Cap 16	
52	1730720058	1	Contact Pin	
52	1730720061	1	Contact Female	
52	1730720068	1	Cap	
52	1730720069	1	Contact Female	
53	1757250048	1	Ferrule Female	
56	1757250049	1	Ferrule Female	
57	1739150047	1	Contact Female	
58	1772950024	1	Seal (Not Shown)	

SECTION 9 - DECALS

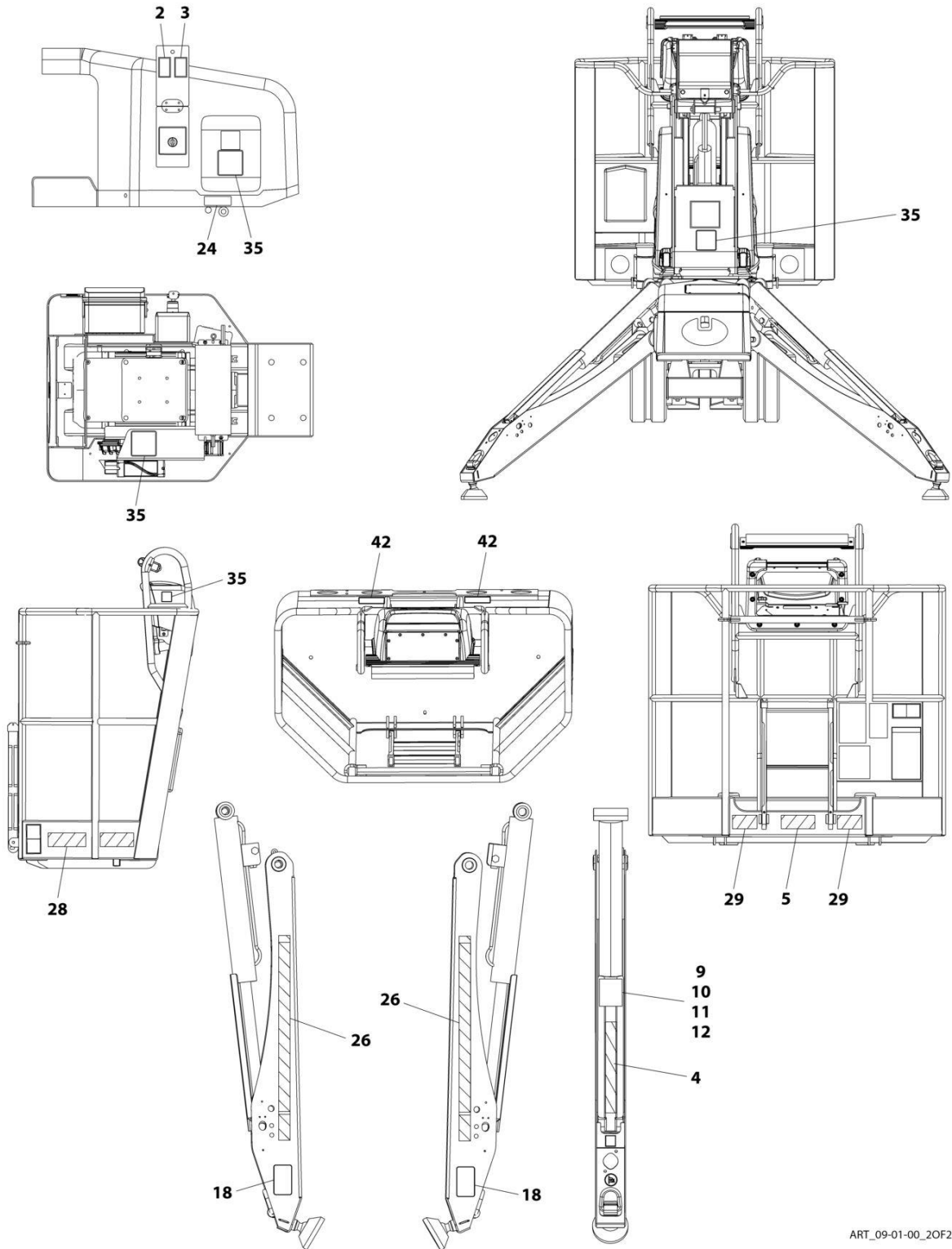
SECTION 9 - DECALS

FIGURE 9-1. DECALS INSTALLATION - X13SJN



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SECTION 9 - DECALS



ART_09-01-00_2OF2

SECTION 9 - DECALS

FIGURE 9-1. DECALS INSTALLATION - X13SJN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	18281800	Ref	DECALS INSTALLATION	A
1	06040500	2	Decal - Directional Arrow	
2	06085900	1	Decal - Safety	
3	06086000	1	Decal - Safety	
4	06086700	4	Decal - Safety (Red/White)	
5	06087900	2	Decal	
6	06136900	2	Decal - Grease Points	
7	06164700	1	Decal - Hydraulic Oil Filter	
8	06165000	1	Decal - Hydraulic Oil Level	
9	06555500	1	Decal - Outrigger One Identifier	
10	06555600	1	Decal - Outrigger Two Identifier	
11	06555700	1	Decal - Outrigger Three Identifier	
12	06555800	1	Decal - Outrigger Four Identifier	
13	06840400	1	Decal - Platform Control Box Buttons (Not Shown)	
14	06840700	1	Platform Control Box Decal Kit (Not Shown)	
15	07056400	2	Decal - 120V - 60 Hz (Not Shown)	
16	07060500	2	Decal - JLG	
17	07071000	1	Decal - Platform Controls Horn (Not Shown)	
18	07071200	8	Decal - Lift	
19	07240300	1	Decal - Remote Control Distant (Not Shown)	
20	07350300	4	Decal - Forklift	
21	07499300	1	Decal - Platform Control Box Open Warning (Not Shown)	
22	07690100	2	Decal - JLG (Not Shown)	
23	08042000	2	Decal - JLG Lift (Not Shown)	
24	08061600	1	Decal - Air and Water	
25	08278600	1	Decal	
26	08278700	8	Decal	
27	08279600	1	Decal	
28	08280400	4	Decal	
29	08280500	4	Decal	
30	08289800	2	Decal (Not Shown)	
31	08290600	1	Decal	
32	08299700	4	Decal (Not Shown)	
33	08301400	2	Decal (Not Shown)	
34	08318500	1	Decal (Not Shown)	
35	1001125483	9	Decal - Pressure Wash	
36	1001223055	1	Decal - Yearly Inspection (Not Shown)	
37	1001228370	1	Decal - CANADA: ICES-001 (Not Shown)	
38	1701640	4	Decal - Manual (Not Shown)	
39	1702155	1	Decal - Battery Disconnect	
40	1703814	4	Decal - Tie Down (Not Shown)	
41	1704125	1	Decal - Air Lead (Not Shown)	
42	1704277	2	Decal - Lanyard Attach	
43	1752770001	1	Decal - Hydraulic Oil (Not Shown)	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	1556350063	1	Breaker, Circuit	
	1764260003	2	Diode 20A	
		Ref	Engine Components	
	274941000201	1	Element , Air Filter	
	2734250002	1	Element, Engine Oil	
	1740420001	1	Element, Fuel Filter	
	1772950015	1	Footswitch	
	05760900	2	Fuse, 10A	
	05761000	1	Fuse-15AMP	
	17708000	1	Inclinometer	
	2683930002	1	Key, Ignition	
	1787280014	1	Module, Control (Jib and Base)	
	1804180005	1	Module, Relay	
	2781020012	1	Relay	
	1733730003	1	Relay	
	1739150056	1	Relay	
	1776330003	1	Relay, 12v Tyco Connector	
	2781020013	1	Sensor, Temperature	
	1770740001	1	Switch	
	2683930001	1	Switch, 3s Series	
	04774900	1	Switch, Battery Cut-Out	
	07827000	1	Switch, Battery Disconnect	
	2646170008	1	Switch, Emergency Button	
	08027200	1	Switch, Emergency Ground Activation	
	17329500	1	Switch, N/O Contact	
	26429300	1	Switch, Remote Control	
	07359400	1	Switch, Remote Emergency Stop	
	27796800	1	Switch, SkyGuard	
	1679900012	1	Switch/Sensor	
	1679900004	1	Switch/Sensor	
	05120200	1	HYDRAULIC FILTER	
	15120100	1	COMPLETE HYDRAULIC OIL FILTER	
	27668600	1	BATTERY	
	1820960004	1	FUSE,200A	
	082342H2	1	SENSOR,RALLA PROTECTION	
	2818070002	1	SENSOR,LINER SIL2 WITH RANGE 320MM	
	27396100	1	Sensor	
	17669800	1	Load Cell with Cable and Connectors	
	1820960002	1	SENSOR,LEM,LITHIUM	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

PART NUMBER INDEX

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

03014400.....	63	069348Y1.....	17	07844200.....	85	08234900.....	63
03024800.....	11	069349Y1.....	17	07867000.....	71	08235000.....	65
03149200.....	11	06997800.....	27	07894700.....	89	08235100.....	65
03149500.....	63	07027100.....	45	07894900.....	17	08235200.....	63
04048100.....	63	07027200.....	45	07903300.....	35	08235300.....	63
04152300.....	87	07031800.....	39	07906300.....	35	08235500.....	17
04256300.....	13	07052900.....	39	07912800.....	33	082408H2.....	23
04310100.....	27	07056400.....	106	07912900.....	35	08244000.....	23
04615300.....	27	07060500.....	106	07913000.....	35	082445D2.....	19
04707700.....	65	07071000.....	106	07913100.....	102	082446D2.....	19
04774900.....	89, 108	07071200.....	106	07913200.....	102	082456Y1.....	19
04845100.....	79	07093500.....	39	07913300.....	102	082457Y1.....	19
04845400.....	63	07093600.....	39	07913400.....	102	08246800.....	23
05061800.....	21	07093700.....	39	07913500.....	102	082469Y1.....	23
05120200.....	21, 108	07093800.....	39	07913600.....	102	082496Y1.....	17
05427200.....	19	07131600.....	23	07914800.....	35	082538H2.....	19
05444800.....	19	07146400.....	39	07915900.....	33	08256800.....	11
05475900.....	39	07146500.....	39	07918000.....	33	08259000.....	65
05497500.....	63	07190900.....	39	079182Y1.....	33	08259100.....	65
05509900.....	79	07192600.....	39	07935900.....	31	08259200.....	65
05510200.....	27	07192700.....	39	079360Y1.....	31	08259300.....	65
055629H3.....	69	07193000.....	39	079388Y1.....	31	08259400.....	67
05580200.....	79	07239700.....	39	08024300.....	31	08259500.....	67
05611800.....	21	072398H3.....	39	08027200.....	45, 108	08259600.....	67
056187H3.....	39	07240300.....	106	08042000.....	106	08259700.....	67
05643600.....	39	072404H3.....	39	08061600.....	106	08259800.....	67
05760700.....	101	07246000.....	31	08132300.....	41	08259900.....	67
05760900.....	108	072700H2.....	17	081516H2.....	11	08260000.....	67
05761000.....	108	072787Y1.....	35	08186600.....	35	08260100.....	67
058600H3.....	39	07343200.....	17	08186700.....	35	08260200.....	63
06023800.....	13	07343300.....	17	08187600.....	75	08260300.....	63
06040500.....	106	07343400.....	17	081879Y1.....	35	08260400.....	63
06061800.....	23	07350300.....	106	08188000.....	75	08260500.....	63
06085900.....	106	07359400.....	45, 108	08188100.....	79	08260600.....	63
06086000.....	106	07359500.....	45	08188200.....	75	08260700.....	69
06086700.....	106	07499300.....	106	08188300.....	77	08260800.....	69
06087900.....	106	07544100.....	35	08188400.....	77	08260900.....	75
06136900.....	106	07611000.....	79	08188500.....	79	08261000.....	75
06164700.....	106	07611100.....	79	081896Y1.....	35	08261100.....	77
06165000.....	106	07687300.....	39	081897Y1.....	35	08261200.....	77
06230600.....	23	07688400.....	71	081899Y1.....	35	08261300.....	77
06235600.....	39	07690100.....	106	081900Y1.....	35	08261400.....	77
06235700.....	39	07690700.....	39	081901Y1.....	35	08261500.....	71
06272700.....	39	07700700.....	101	08190300.....	35	08261600.....	71
062967Y1.....	35	077089H2.....	87	08190400.....	35	08261700.....	73
06301200.....	31	077090H2.....	87	08190600.....	33	08261800.....	73
06418600.....	39	077091H2.....	87	08190700.....	33	08261900.....	79
06422200.....	31	077413H2.....	17	08190800.....	33	08262000.....	79
064422Y1.....	23	077483Y1.....	89	081909Y1.....	33	08262100.....	69
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064965Y1.....	13	07754600.....	17	08191100.....	33	08262300.....	63
064966Y1.....	17	07758800.....	13	08191500.....	31	08262400.....	63
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06555600.....	106	07765800.....	35	08194600.....	31	08262800.....	75
06555700.....	106	07766500.....	39	082074Y1.....	35	08262900.....	75
06555800.....	106	077712H2.....	87	08226400.....	23	08263000.....	77
06585900.....	39	07771500.....	39	082304J2.....	17	08263100.....	77
06598500.....	39	07772000.....	17	082313J2.....	17	08270800.....	17
06639100.....	85	077738Y1.....	19	082334H2.....	19	082709H2.....	17
06665000.....	39	077740Y1.....	19	082342H2.....	17, 108	08271800.....	17
06840400.....	106	077743H2.....	19	08234500.....	63	082778H2.....	19
06840700.....	106	077744H2.....	19	08234600.....	63	08278600.....	106
06867600.....	23	078204Y1.....	39	08234700.....	63	08278700.....	106
068911Y1.....	17	07827000.....	108	08234800.....	63	08279600.....	106

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

082797H2.....	11	1730720057.....	102	1772950017.....	85	18310600.....	41
082798H2.....	11	1730720058.....	102	1772950019.....	85	255263H3.....	27
08279900.....	63	1730720059.....	101	1772950021.....	83	2588290008.....	55
08280400.....	106	1730720061.....	102	1772950024.....	102	261308H3.....	17
08280500.....	106	1730720068.....	102	1773980004.....	91	2627880005.....	51
082806Y1.....	19	1730720069.....	102	1776330003.....	108	2627890006.....	53, 55
082897Y1.....	83	1730720084.....	101	177718J2.....	39	2627910006.....	49
08289800.....	106	1730720087.....	83	177719J2.....	39	2632920007.....	89
08290600.....	106	1730720088.....	83	1787280014.....	108	2632920008.....	89
08295000.....	93	17329500.....	13, 108	1787280015.....	85	26429300.....	83, 108
082991Z3.....	23	1733730003.....	108	17914400.....	35	26459400.....	63
082992Z3.....	23	1733730029.....	89	17917900.....	33	2646170003.....	45
08299700.....	106	1739150023.....	89	1804180005.....	108	2646170007.....	45
08301400.....	106	1739150025.....	89	1810110001.....	89	2646170008.....	45, 108
08309700.....	41	1739150047.....	102	181701J2.....	21	2646170009.....	45
08310700.....	41	1739150056.....	108	1817030001.....	95	2646170010.....	45
08310800.....	41	1740420001.....	108	18180400.....	63	2646170011.....	45
08318500.....	106	17473600.....	101	181824J1.....	31	2646170012.....	45
083319Y2.....	31	17473700.....	101	181842J2.....	35	2646170013.....	45
08352900.....	19	17473800.....	102	18195100.....	33	2646170014.....	45
08353000.....	23	1752770001.....	106	18195200.....	31	2646170017.....	45
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1001223055.....	106	17550700.....	45	1820330005.....	93	2646170030.....	45
1001228370.....	106	17550800.....	45	1820330006.....	93	26582800.....	85
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1556350063.....	85, 108	1757250031.....	101	1820330013.....	93	2706930002.....	55
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1679900004.....	108	1757250035.....	101	1820330018.....	95	27073700.....	87
1679900012.....	108	1757250036.....	101	1820330019.....	95	27073800.....	87
1692150001.....	91	1757250037.....	101	1820330020.....	99	27073900.....	87
1701640.....	106	1757250038.....	101	1820330021.....	97	27074000.....	85
1702155.....	106	1757250039.....	101	1820330022.....	99	27146200.....	39
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1704125.....	106	1757250041.....	101	18209600.....	89	273151H2.....	53, 77
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17162400.....	85	1757250043.....	101	1820960002.....	89, 108	27396100.....	85, 108
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17306300.....	101	1757250045.....	101	1820960004.....	89, 108	27668600.....	89, 108
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1730720015.....	85, 87	1757250048.....	102	1820960006.....	89	277103H2.....	13
1730720017.....	85	1757250049.....	102	1820960007.....	89	27796800.....	108
1730720029.....	101	1757250056.....	101	1820960008.....	89	2781020012.....	89, 108
1730720030.....	101	1757250057.....	101	1820960009.....	89	2781020013.....	108
1730720031.....	101	1763330001.....	101	18218600.....	85	2781020019.....	89
1730720032.....	102	1763330002.....	101	18241300.....	91	2781020020.....	89
1730720033.....	101	1764260003.....	108	182447Y1.....	19	2781020021.....	89
1730720034.....	101	17669800.....	87, 108	182459Y1.....	23	2781020022.....	89
1730720035.....	101	1770740001.....	108	182460Y1.....	23	2781020023.....	89
1730720036.....	102	17708000.....	91, 108	182461Y1.....	23	27997100.....	91
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1730720038.....	101	1772950005.....	101	18247700.....	85	2801270003.....	45
1730720039.....	101	1772950006.....	101	18249000.....	45	2801270004.....	45
1730720040.....	102	1772950007.....	101	182569Y1.....	11	2801270005.....	45
1730720041.....	101	1772950008.....	101	182698H2.....	39	2801270008.....	45
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1730720051.....	101	1772950011.....	91	18281800.....	106	28180100.....	63
1730720054.....	101	1772950012.....	91	18283200.....	17	28180200.....	63
1730720055.....	102	1772950015.....	87, 108	18294900.....	93	28180300.....	63
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**Corporate Office
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