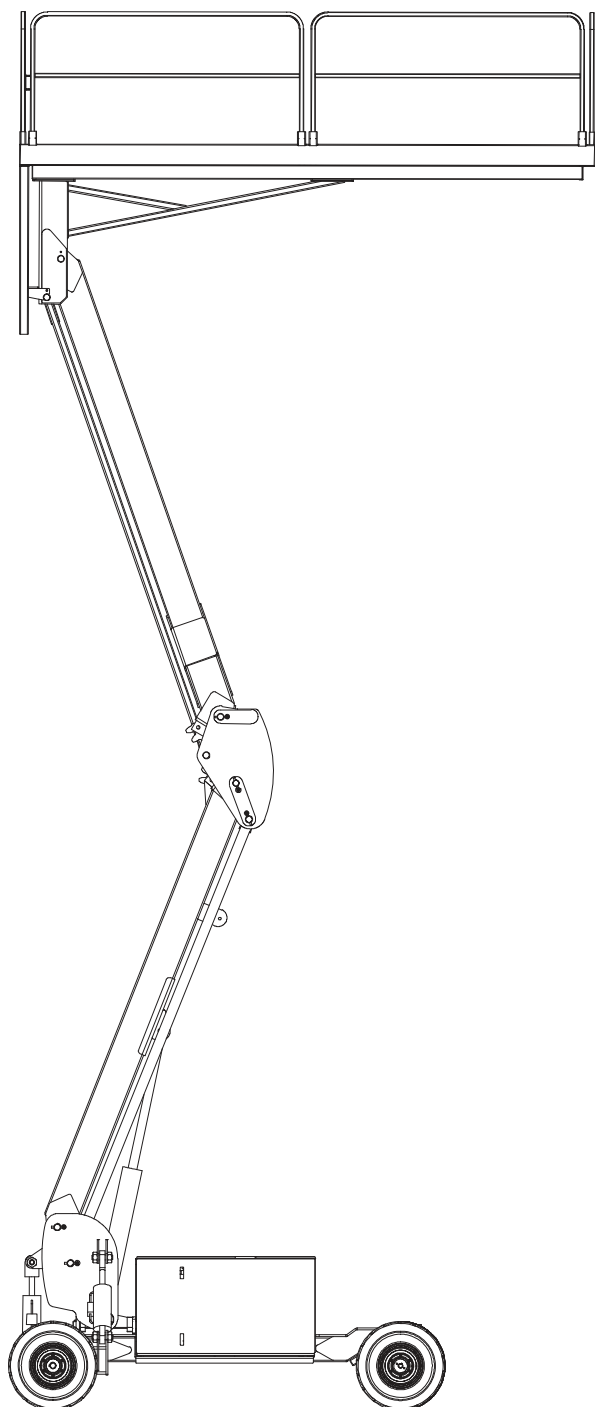




Parts Manual

Speed Level Series



RT - Internal Combustion
ES - Electric

2684ES Serial Number Range 12700000 - Up
2684RT Serial Number Range 12800000 - Up
3084ES Serial Number Range 11700000 - Up
3084RT Serial Number Range 11800000 - Up

Part # 91885 R1
January 2019

Revision History

Date	Reason for Update
January 2019	Speed Level Mk. 2 Update



MEC Aerial Work Platforms

1401 S. Madera Avenue, Kerman, CA 93630 USA
Toll Free: 1 - 877 - 632 - 5438
Phone: 1 - 559 - 842 - 1500
Fax: 1 - 559 - 842 - 1520
info@MECawp.com
www.MECawp.com

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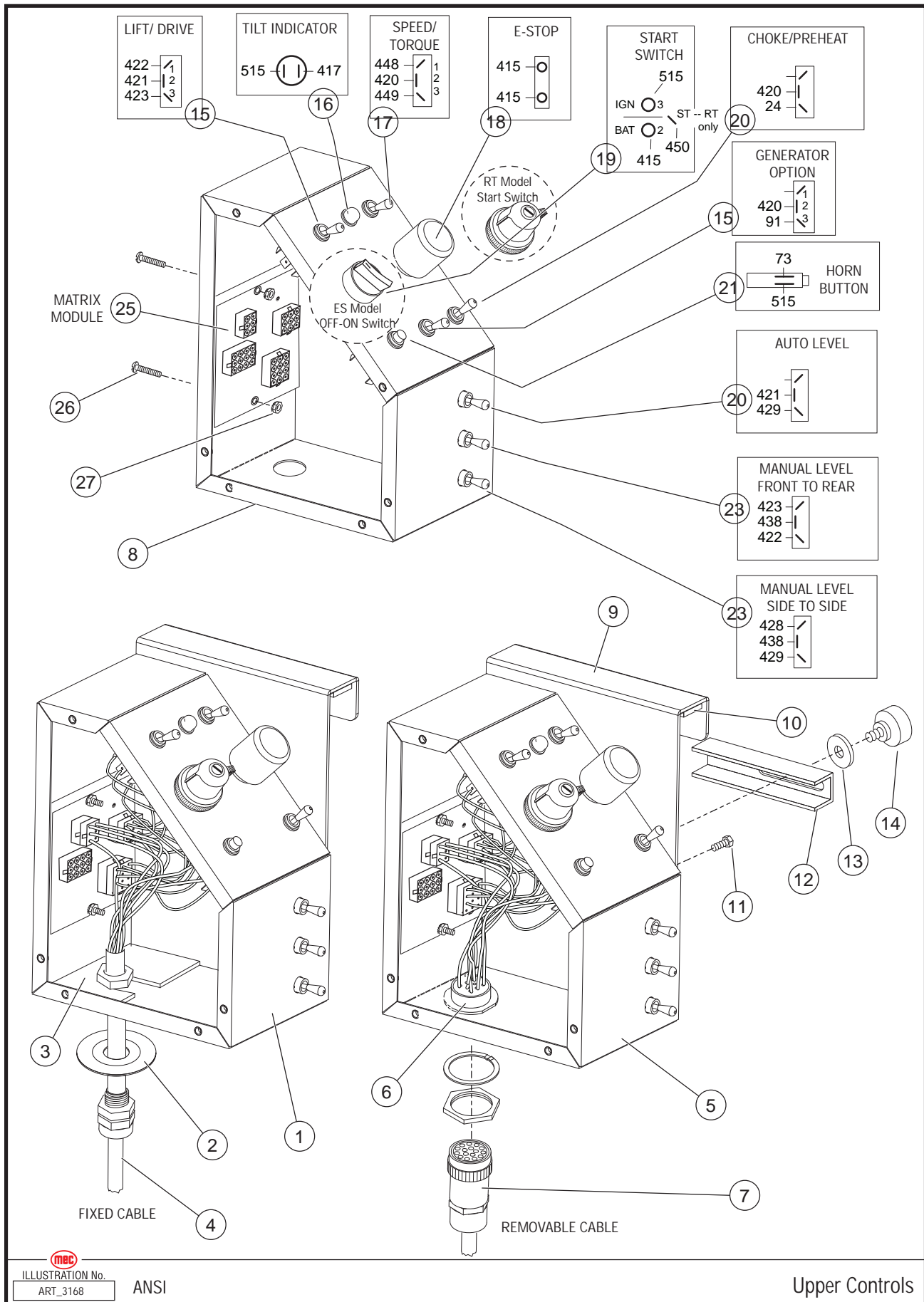
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Upper Controls, ANSI Models, Early Style



Item	Part Number	Description	Qty.
Fixed Control Box Assembly			
1	83169	Assy, Upper Control Box, Without Options - 3084 ANSI ES	1
	83170	Assy, Upper Control Box, With Horn Option - 3084 ANSI ES	1
	83171	Assy, Upper Control Box, Without Options - 3084 ANSI DSL	1
	83172	Assy, Upper Control Box, With Horn Option - 3084 ANSI DSL	1
	83189	Assy, Upper Control Box, Without Options - 3084 CE ES	1
	83190	Assy, Upper Control Box, With Horn Option - 3084 CE ES	1
	83191	Assy, Upper Control Box, Without Options - 3084 CE DSL	1
	83192	Assy, Upper Control Box, With Horn Option - 3084 CE DSL	1
2	REF	Strain Relief Washer (See Wire Harness, Section 6)	1
3	REF	Mounting Plate (See Wire Harness, Section 6)	1
4	REF	Cable, Fixed (See Wire Harness, Section 6)	1
Removable Control Box Assembly			
5	83064	Assembly With Removable Cable, ES Models	1
	83065	Assembly With Removable Cable, RT Models	1
6	REF	Harness, Removable (See Wire Harness, Section 6)	1
7	REF	Cable, Removable (See Wire Harness, Section 6)	1
All Models			
8	16242	Weldment, Control Box	1
9	13865	Bracket, Control Box Holder	1
10	6350	Tape, Foam	.5 ft
11	50109	Screw, 5/16–18	1
12	13864	Bracket, Control Box Holder	1
13	50063	Washer, Flat	1
14	8826	Thumb Screw, 5/16–18, Flower	1
15	6234	Switch, Toggle, Lift/Drive	1
	6234	Switch, Toggle, Generator Option	1
16	9184	Lens, Amber, Tilt Indicator	1
	9188	Light, Bayonet, 14 Volt	1
	9179	Socket, Indicator Light	1
17	6905	Switch, Toggle, Speed/Torque	1
18	7800	Switch, Emergency Stop	1
19 RT	91619	RT Models - Switch, Start	1
19 ES	91926	ES Models - Switch, Start	1
	90714	ES Models - Switch Base	1
	8082	ES Models - Contact Block, N.O.	1
20	7423	Switch Toggle 1 Pole 2 Position 3	1
21	8044	Switch, Button (Horn Option)	1
	8819	Boot	1
22	--	--	--
23	91954	Switch, 3-Position Momentary	2
24	--	--	--
25	91663	Matrix Module	1
26	50189	Screw, 10-32 x 1.25	2
27	50238	Nut, 10-32 Nylock	2

REF - Reference

Upper Controls, CE Models

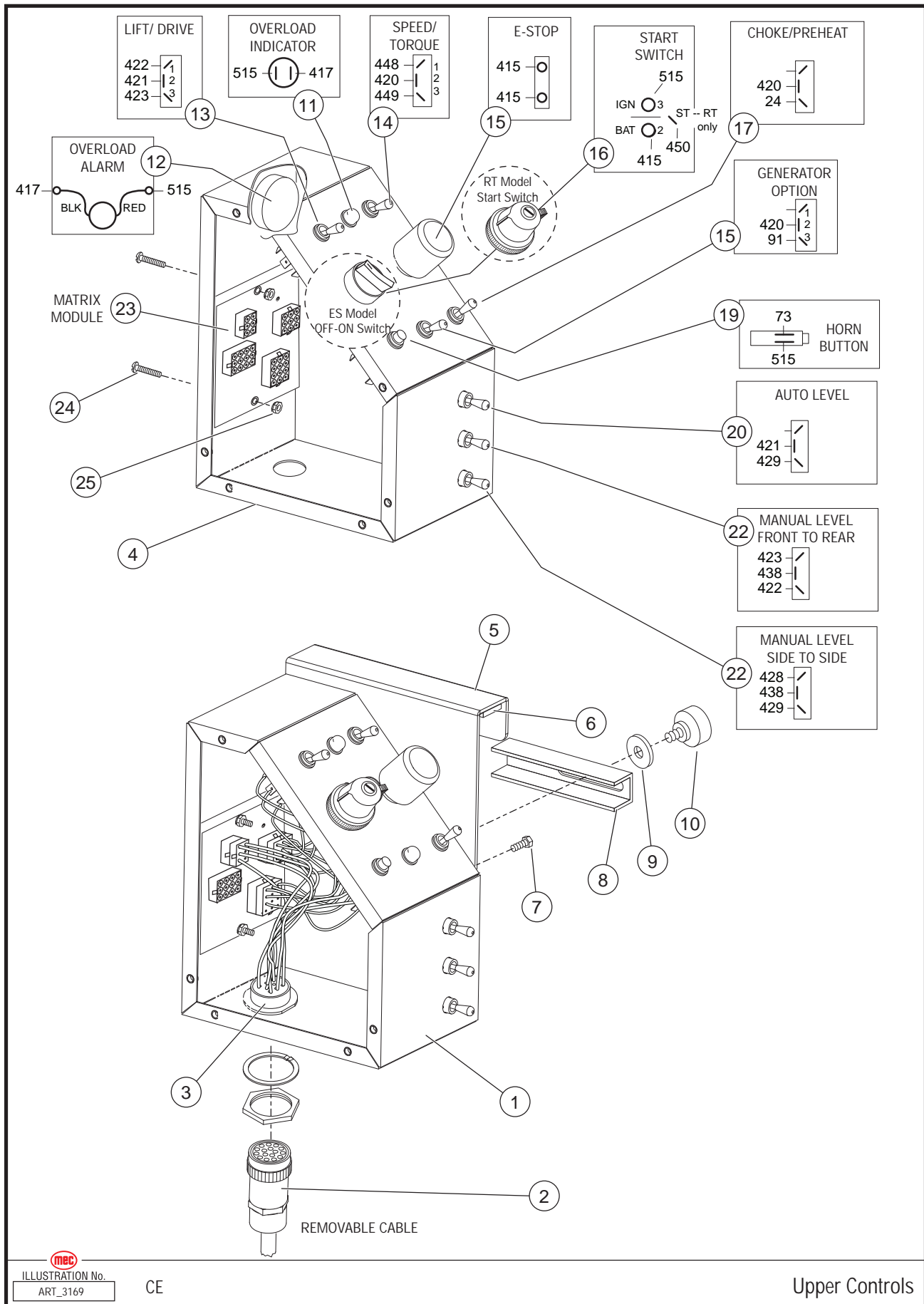


ILLUSTRATION No.
ART_3169

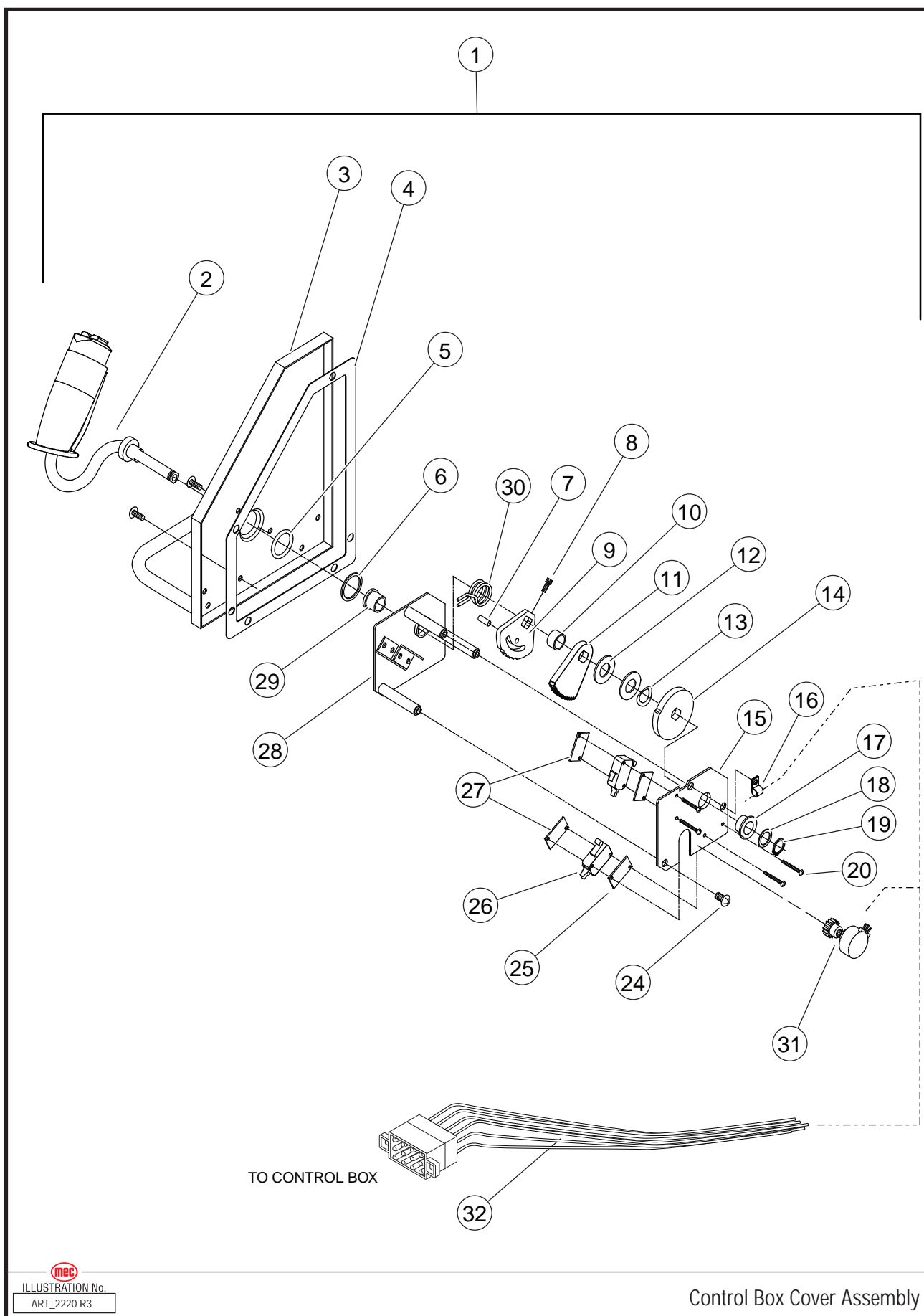
CE

Upper Controls

Item	Part Number	Description	Qty.
Removable Control Box Assembly			
1	83169	Assy, Upper Control Box, Without Options - 3084 ANSI ES	1
	83170	Assy, Upper Control Box, With Horn Option - 3084 ANSI ES	1
	83171	Assy, Upper Control Box, Without Options - 3084 ANSI DSL	1
	83172	Assy, Upper Control Box, With Horn Option - 3084 ANSI DSL	1
	83189	Assy, Upper Control Box, Without Options - 3084 CE ES	1
	83190	Assy, Upper Control Box, With Horn Option - 3084 CE ES	1
	83191	Assy, Upper Control Box, Without Options - 3084 CE DSL	1
	83192	Assy, Upper Control Box, With Horn Option - 3084 CE DSL	1
2	REF	Harness, Removable (See Wire Harness, Section 6)	1
3	REF	Cable, Removable (See Wire Harness, Section 6)	1
4	16242	Weldment, Control Box	1
5	13865	Bracket, Control Box Holder	1
6	6350	Tape, Foam	.5 ft
7	50109	Screw, 5/16-18	1
8	13864	Bracket, Control Box Holder	1
9	50063	Washer, Flat	1
10	8826	Thumb Screw, 5/16-18, Flower	1
11	9183	Lens, Red, Overload	1
	9188	Light, Bayonet, 14 Volt	1
	9179	Socket, Indicator Light	1
12	7553	Alarm	1
13	6234	Switch, Toggle, Lift/Drive	1
	6234	Switch, Toggle, Generator Option	1
14	6905	Switch, Toggle, Speed/Torque	1
15	7800	Switch, Emergency Stop	1
16 RT	91619	RT Models - Switch, Start	1
16 ES	91926	ES Models - Switch, Start	1
	90714	ES Models - Switch Base	1
	8082	ES Models - Contact Block, N.O.	1
17	7423	Switch Toggle 1 Pole 2 Position 3	1
18	--	--	--
19	8044	Switch, Button (Horn Option)	1
20	7423	Switch Toggle 1 Pole 2 Position 3	1
21	5694	Switch, Toggle, Manual Level, Front-Rear	1
22	91954	Switch, 3-Position Momentary	2
23	91663	Matrix Module	1
24	50189	Screw, 10-32 x 1.25	2
25	50238	Nut, 10-32 Nylock	2

REF - Reference

Upper Control Box Cover Assembly, Early Style



Item	Part Number	Description	Qty.
1	83076	Control Box Cover Assembly	1
2	92199	Joystick Assembly	1
3	3772	Cover	1
4	7875	Gasket	1
5	7882	O-Ring	1
6	HDW3768	Washer, Flat	1
7	1008348	Pin, Hold Down	1
8	50155	Screw, 6-32 x 1/2 Inch	1
9	13502	Bracket, Centering	1
10	3763	Spacer, Step	1
11	13402	Gear, Large	1
12	HDW8531	Washer, Flat	2
13	HDW7881	Washer, Bevel	1
14	3782	Cam, Directional	1
15	13403	Plate, Bottom	1
16	6917	Clamp, Cable, 1/4 Inch	1
17	7818	Bearing, Bronze, Flanged	1
18	HDW3771	Washer, Flat	1
19	5736	Ring, Retaining, 1/2 Inch	1
20	50139	Screw, 4-40 x 5/8 Inch	4
21	--	--	--
22	--	--	--
23	--	--	--
24	50191	Screw, 10-32 x 1/2 Inch	12
25	3764	Plate, Spacer	2
26	8696	Switch, Limit, Micro V7	2
27	3765	Plate, Strap	2
28	3766	Plate, Top	1
29	7819	Bearing, Bronze, Flanged	1
30	8435	Spring, Joystick Centering	1
31	91824	Potentiometer Assembly	1
32	REF	Wire Harness, (See Wire Harness, Section 6)	1

REF - Reference

Upper Control Joystick, Early Style

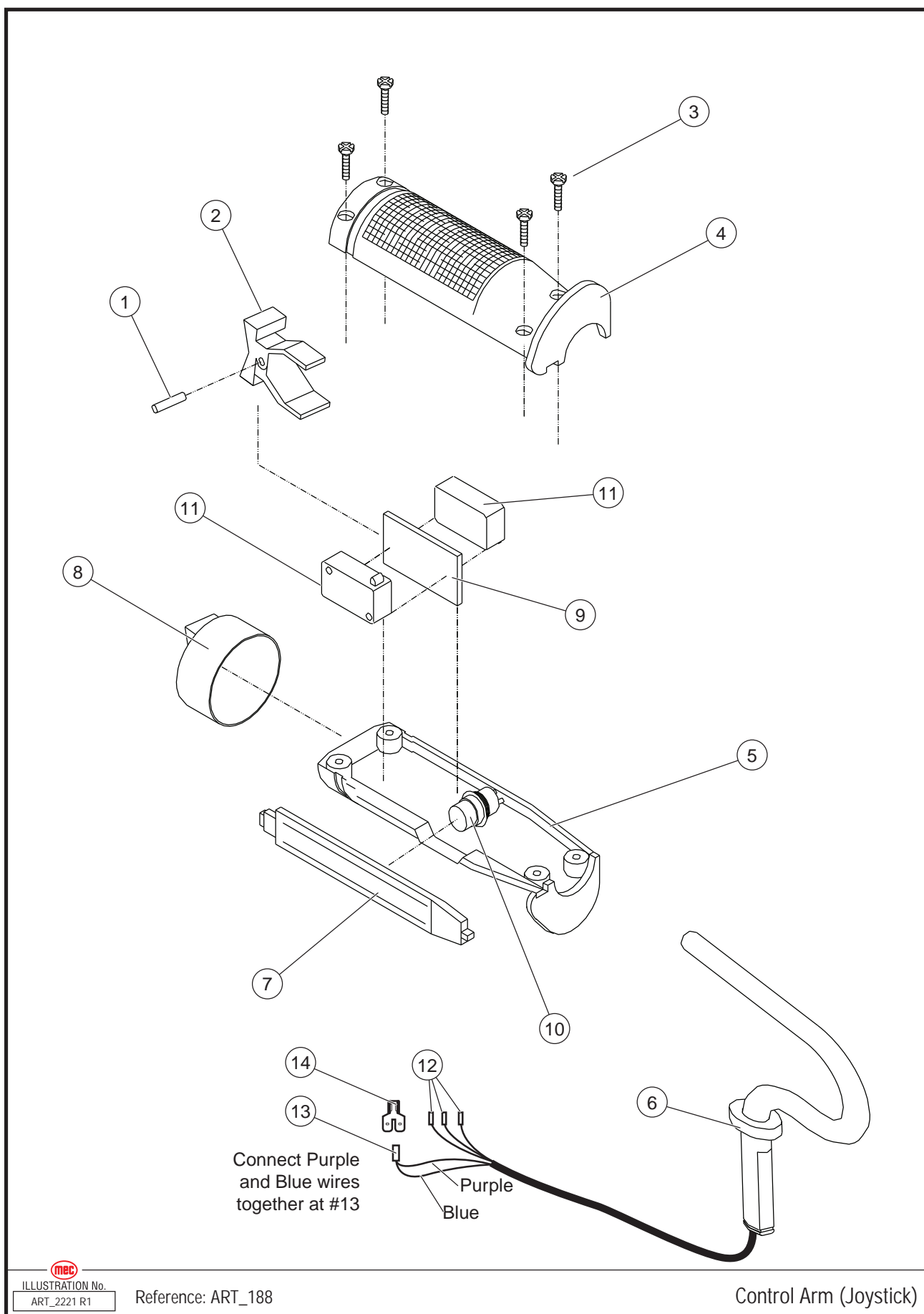
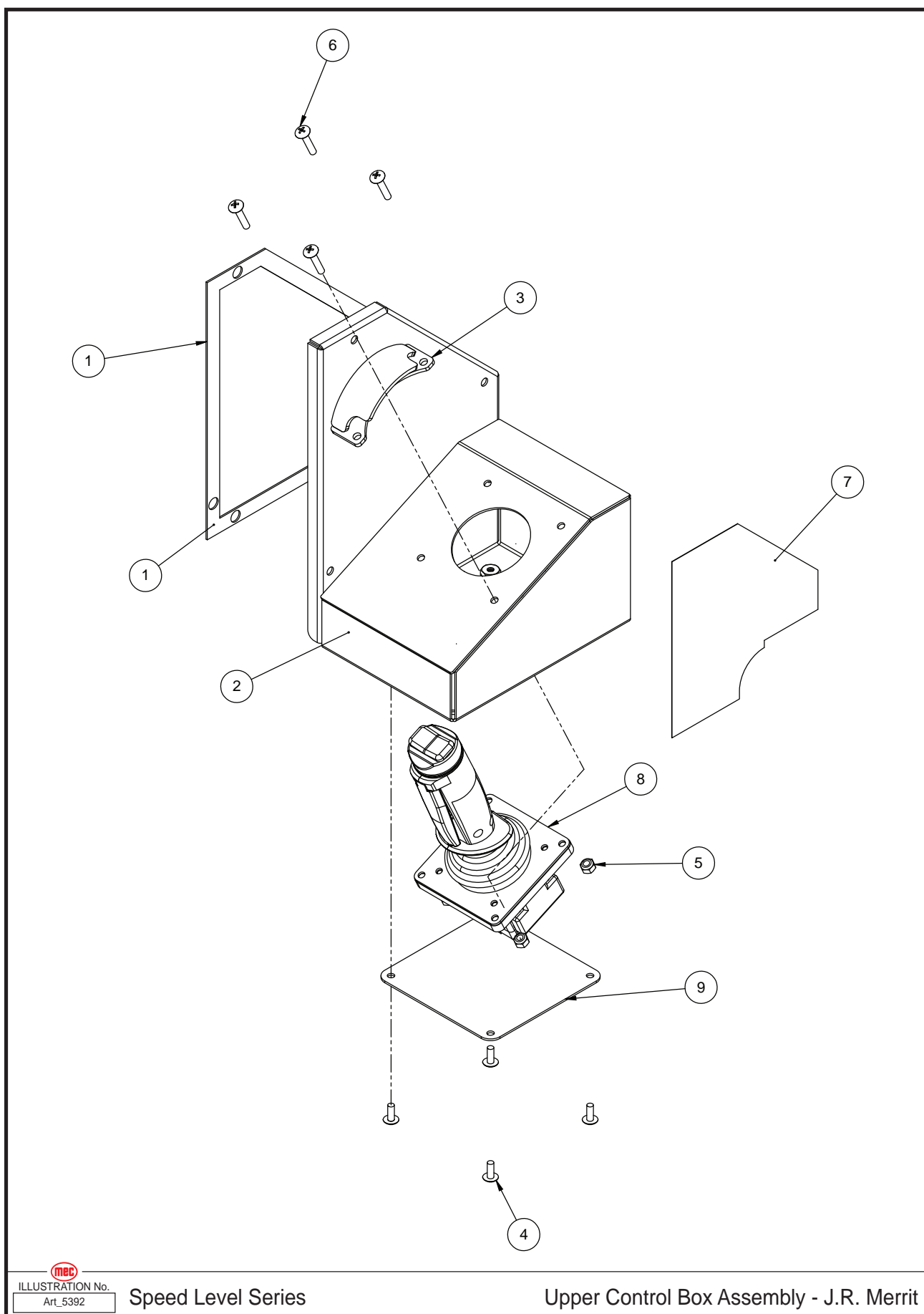


ILLUSTRATION No.
ART_2221 R1

Reference: ART_188

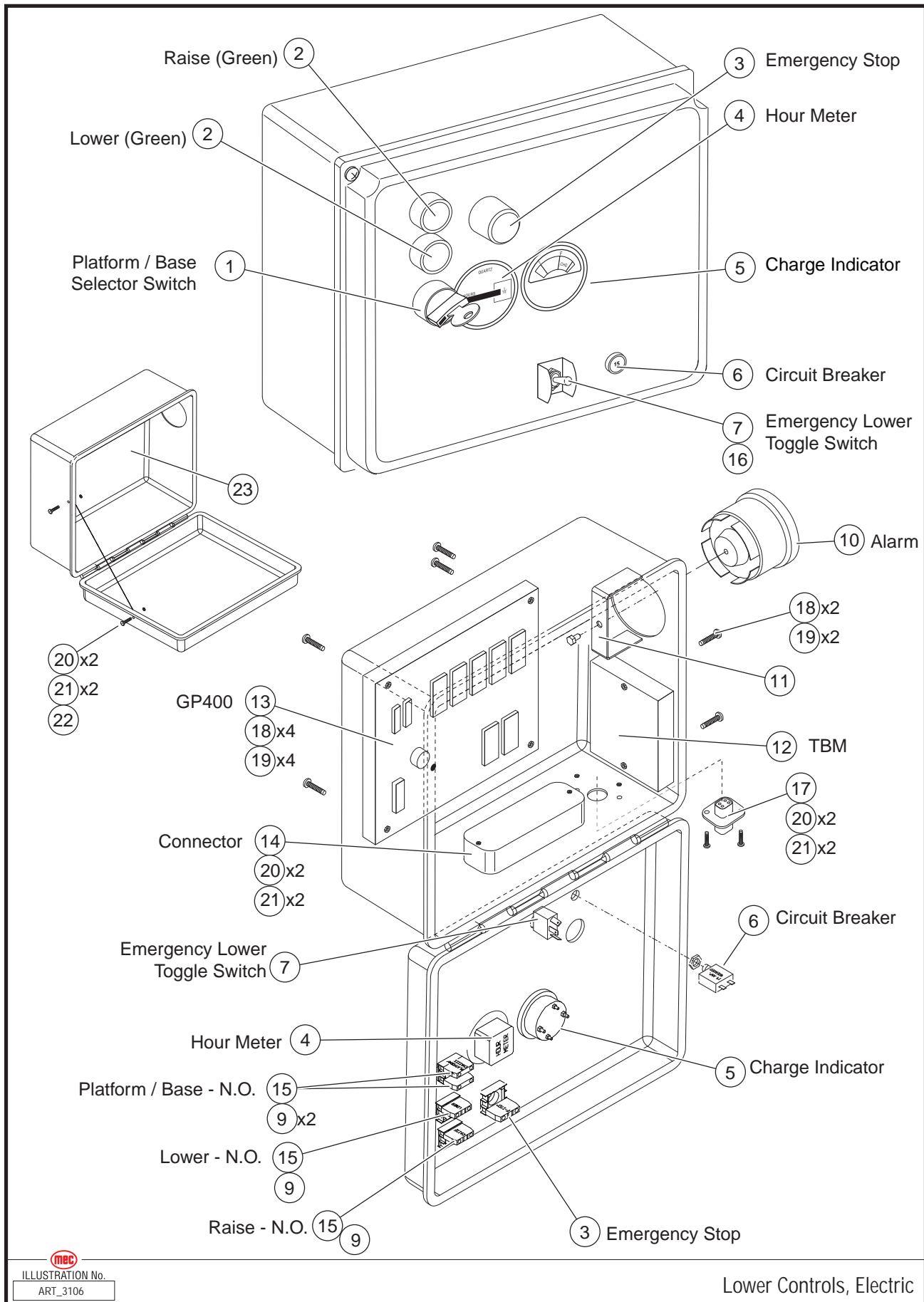
Item	Part Number	Description	Qty.
--	92199	Joystick Assembly	--
--	8630	Joystick Assembly Without Control Arm (#6)	--
1	8750	Pin (Service Only)	1
2	8453	Switch Actuator (Service Only)	1
3	HDW8455	Screw (Service Only)	4
4	8752	Grip, Top Half (Service Only)	1
5	8751	Grip, Bottom Half (Service Only)	1
6	13638	Control Arm Without Wire	1
7	8748	Trigger (Service Only)	1
8	8456	Rocker Boot (Service Only)	1
9	8447	Switch Separator (Service Only)	1
10	8753	Motion Switch, OFF-ON (Service Only)	1
11	8448	Switch (Service Only)	2
12	91839	Amp Socket (Not Shown)	3
13	92194	Push Connector, 3/16"	1
--	8761	Switch Assembly (Not Shown) -- Includes Item #9, Item #11 (x2), Wire And Connectors	--

Upper Control Box Assembly, Early Style



Item	Part Number	Description	Qty.
1	7875	Gasket	1
2	18660	Joystick Box Weldment	1
3	28542	Palm Rest Weldment	1
4	50191	THMS #10-32X00.50 ZP	4
5	50238	NNYL #10-32 05 Z	4
6	50330	THMS #10-32X01.00 ZP	4
7	90729	Decal, Upper Control Joystick Operations	1
8	94688	Single Axis Joystick W/Trig & R/L Rocker PQ Controls 112N38-249	1
9	27343	Joystick Box Cover	1

Lower Controls, 3084ES Electric Models



Item	Part Number	Description	Qty.
--	83077	Lower Control Box Assembly, ES Models	1
1	9549	Switch, 3-Position, Keyed	1
2	91667	Switch, Button, Green	2
3	7800	Switch, Emergency Stop, Red	1
4	91704	Hour Meter	1
5	91744	Charge Indicator	1
6	7235	Circuit Breaker	1
7	7423	Switch Toggle 1 Pole 2 Position 3	1
8	--	--	--
9	8082	Contact Block, N. O.	4
10	91711	Alarm, 107dB	1
11	17082	Bracket, Alarm Mount	1
12	91838	Terminal Block Module (TBM)	1
13	91659	System Controller, GP400	1
14	91887	Deutsch Connector, DRC 12 70P	1
15	90714	Contact Base	3
16	1313	Switch Guard	1
17	91290	Deutsch Connection, DT14-4P-L012	1
18	50229	Screw, 10-24 x 1.00	6
19	50230	Nut, 10-24 Nylock	6
20	50233	Screw, 8-32 x 1.00	6
21	50231	Nut, 8-32 Nylock	6
22	91921	Lanyard	1
23	92015C	Control Box	1
--	REF	Harness -- See Section 6	--

REF - Reference

1 Platform / Base Selector Switch

2 Raise (Green)

2 Lower (Green)

3 Choke (Black)

4 Emergency Stop

5 Fuel Select

6 Hour Meter

7 30 Sec Delay (Red)

8 Circuit Breaker

9 Emergency Lower Toggle Switch

10 Gasoline - N.C.

11 Propane - N.O.

12 Alarm

13 TBM

14 GP400

15 Connector

16 Hour Meter

17 Platform / Base - N.O.

18 Emergency Lower Toggle Switch

19 Alarm

20 Alarm

21 Alarm

22 Alarm

23 Alarm

24 Alarm

25 Alarm

mecc

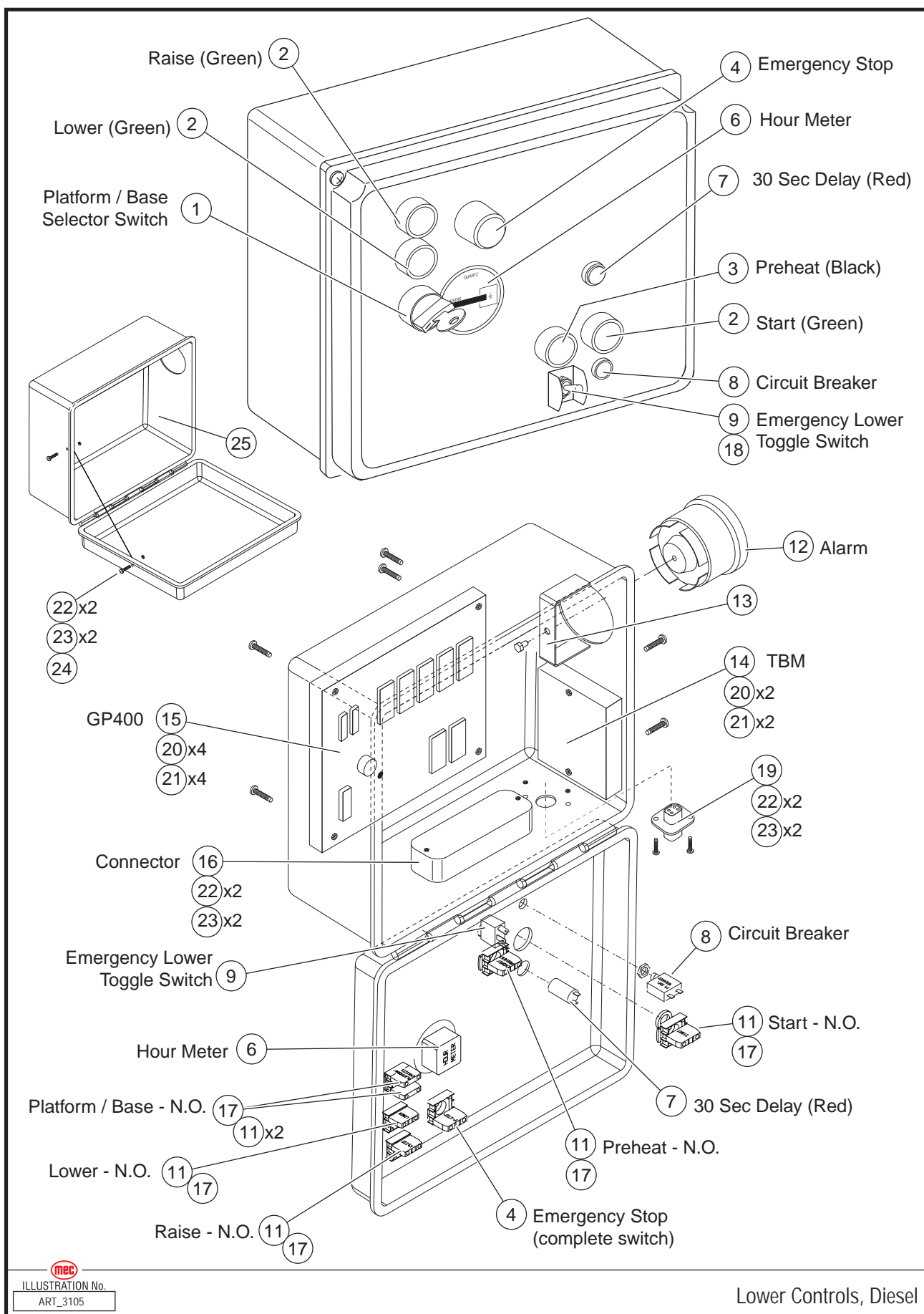
ILLUSTRATION No. ART_3076

Lower Controls, Dual Fuel

Item	Part Number	Description	Qty.
--	83078	Lower Control Box Assembly, DF Models	1
1	9549	Switch, 3-Position, Keyed	1
2	91667	Switch, Button, Green	3
3	91957	Switch, Button, Black	1
4	7800	Switch, Emergency Stop	1
5	91926	Switch, 2-Position	1
6	91704	Hour Meter	1
7	92254	Light, Red	1
8	7235	Circuit Breaker	1
9	7423	Switch Toggle 1 Pole 2 Position 3	1
10	8083	Contact Block, N. C.	1
11	8082	Contact Block, N. O.	7
12	91711	Alarm, 107dB	1
13	17082	Bracket, Alarm Mount	1
14	91838	Terminal Block Module (TBM)	1
15	91659	System Controller, GP400	1
16	91887	Deutsch Connector, DRC 12 70P	1
17	90714	Contact Base	6
18	1313	Switch Guard	1
19	91290	Deutsch Connection, DT14-4P-L012	1
20	50229	Screw, 10-24 x 1.00	6
21	50230	Nut, 10-24 Nylock	6
22	50233	Screw, 8-32 x 1.00	6
23	50231	Nut, 8-32 Nylock	6
24	91921	Lanyard	1
25	92016C	Control Box	1
--	REF	Harness -- See Section 6	--

REF - Reference

Lower Controls, 3084RT Diesel Models



Item	Part Number	Description	Qty.
--	83079	Lower Control Box Assembly, Diesel Models	1
1	9549	Switch, 3-Position, Keyed	1
2	91667	Switch, Button, Green	3
3	91957	Switch, Button, Black	1
4	7800	Switch, Emergency Stop	1
--	--	--	--
6	91704	Hour Meter	1
7	92254	Light, Red	1
8	7235	Circuit Breaker	1
9	7423	Switch Toggle 1 Pole 2 Position 3	1
--	--	--	--
11	8082	Contact Block, N. O.	6
12	91711	Alarm, 107dB	1
13	17082	Bracket, Alarm Mount	1
14	91838	Terminal Block Module (TBM)	1
15	91659	System Controller, GP400	1
16	91887	Deutsch Connector, DRC 12 70P	1
17	90714	Contact Base	6
18	1313	Switch Guard	1
19	91290	Deutsch Connection, DT14-4P-L012	1
20	50229	Screw, 10-24 x 1.00	6
21	50230	Nut, 10-24 Nylock	6
22	50233	Screw, 8-32 x 1.00	6
23	50231	Nut, 8-32 Nylock	6
24	91921	Lanyard	1
25	92016C	Control Box	1
--	REF	Harness -- See Section 6	--

REF - Reference

Platform Installation - To Serial #11800046

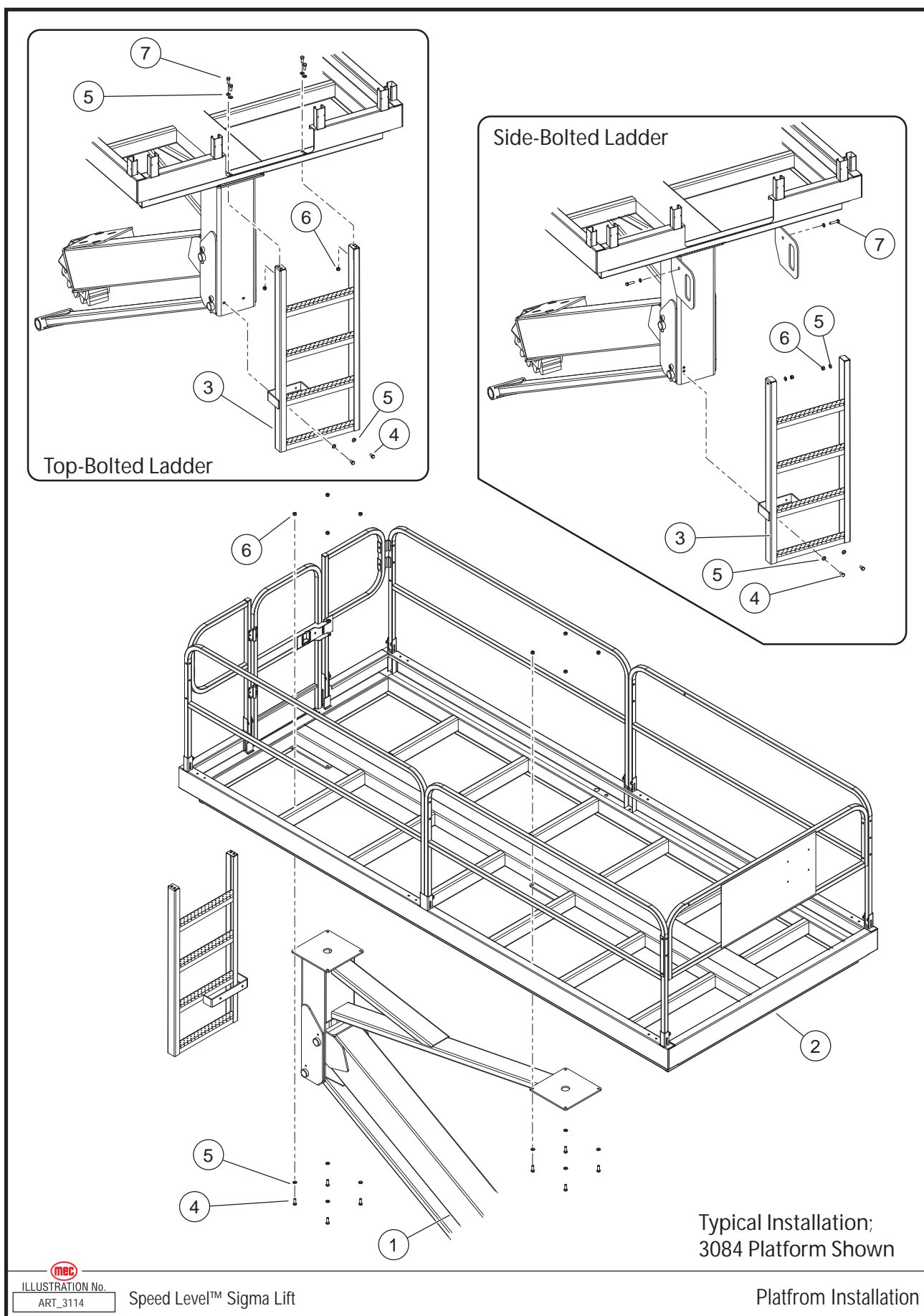


ILLUSTRATION No.
ART_3114

Speed Level™ Sigma Lift



Item	Part Number	Description	Qty.
1	83083	Boom Assembly	REF
2	83080 / 83160	Platform Assembly, 3084	REF
	83097	Platform Assembly, 2684	REF
3	19258	Ladder, Side-Bolted	1
	19148	Ladder, Top-Bolted	1
4	50040	Bolt, M12 x 35, GR8.8	10
5	50003	Washer, 13.5 mm ID x 24mm OD	14
6	50054	Nut, M12, GR8.8	14
7	50039	Bolt, M12 x 30	4

REF - Reference

Platform & Rails, 3084 - To Serial # 11800046

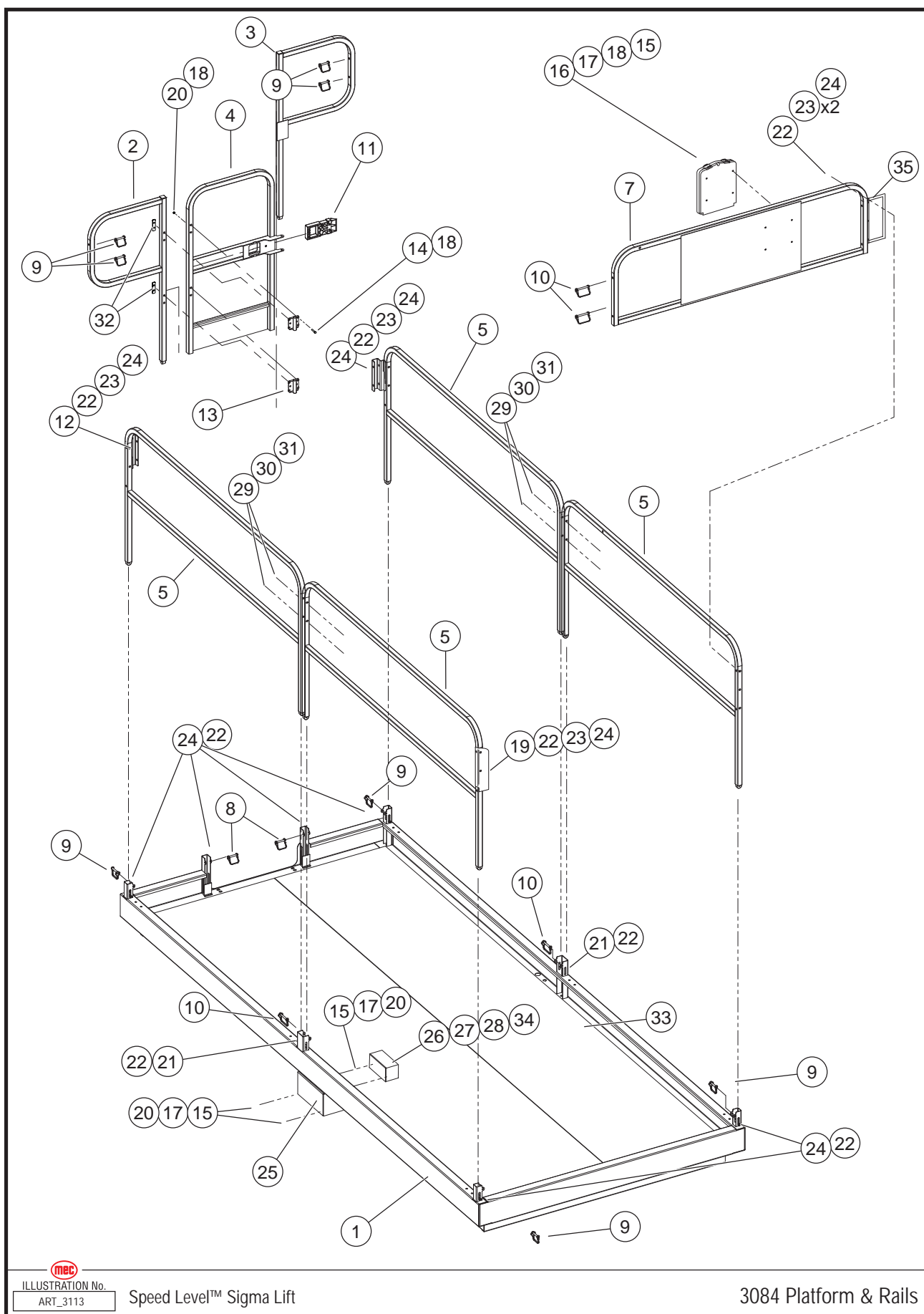


ILLUSTRATION No.
ART_3113

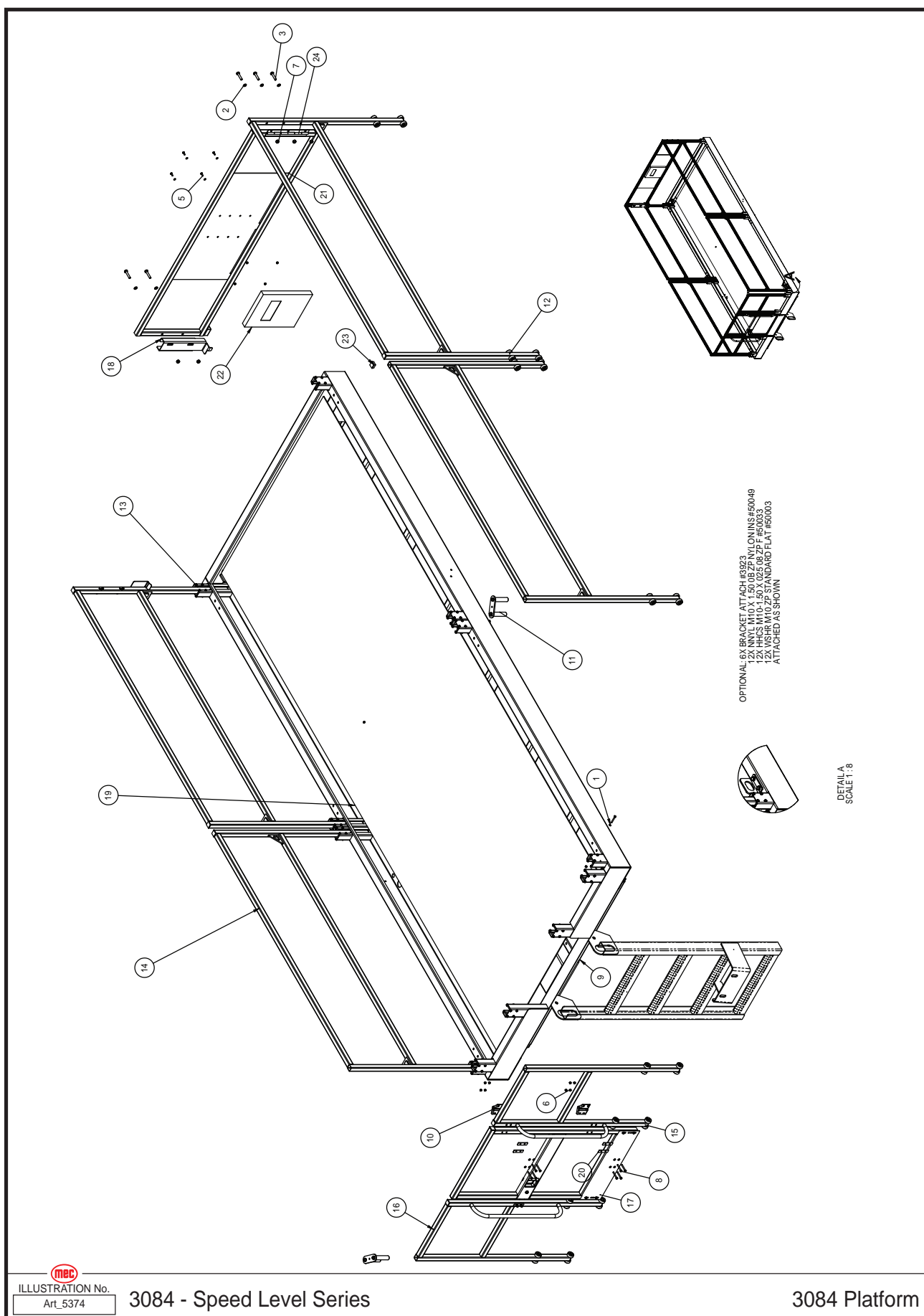
Speed Level™ Sigma Lift

3084 Platform & Rails

Item	Part Number	Description	Qty.
--	83080	Platform Assembly, 3084	1
1	19252	Platform Deck	1
2	19207	Entry Rail, RH	1
3	19221	Entry Rail, LH	1
4	19192	Gate	1
5	19216	Side Rail	4
6	--	--	--
7	19218	Front Rail	1
8	50182	Clip Fastener, 3/8 X 2	2
9	50183	Clip Fastener, 3/8 X 2.25	8
10	50186	Clip Fastener, 3/8 X 3.25	4
11	16799	Gate Latch	1
--	7408	Gate Spring (Not Shown)	1
--	50015	Bolt, 8 x 50 (Not Shown)	1
--	50001	Washer, #8 (Not Shown)	2
--	50048	Nut, #8 Nylock (Not Shown)	1
12	19215	Bracket, Rear Rail	2
13	17960	Hinge - Up To Serial # 11800033	2
	91888	Hinge - Serial # 11800034 - Up	2
14	50125	Bolt, 6mm x 55	8
15	50047	Nut, 6mm	10
16	8909	Manual Enclosure	1
17	50028	Bolt, 6mm x 20	8
18	50000	6mm Washer	10
19	19228	Front Gate Lock	1
20	50068	Fender Washer, M6	4
21	50024	Bolt, M10 x 85	2
22	50049	Nut, M10 Nylock	17
23	50002	Washer, M10	34
24	50021	Bolt, M10 x 55	15
25	19262	Cover, Control Cable	1
26	91597	GFI Power Box	1
27	91598	GFI Cover Plate	1
28	92007	GFI Power Plug, Female	1
29	50018	Bolt, M8 x 80	4
30	50048	Nut, M8	4
31	50001	Washer, M8	8
32	19238	Backing Plate, Hinge	4
33*	19263	Deck Plate, Single Piece	1
33**	19132	Deck Plate, 2-Piece Deck, 30" x 163.75"	1
	19144	Deck Plate, 2-Piece Deck, 38" x 163.75"	1
34	92008	Strain Relief Connector	1
35	91024	Hinge 12" x 2"	1

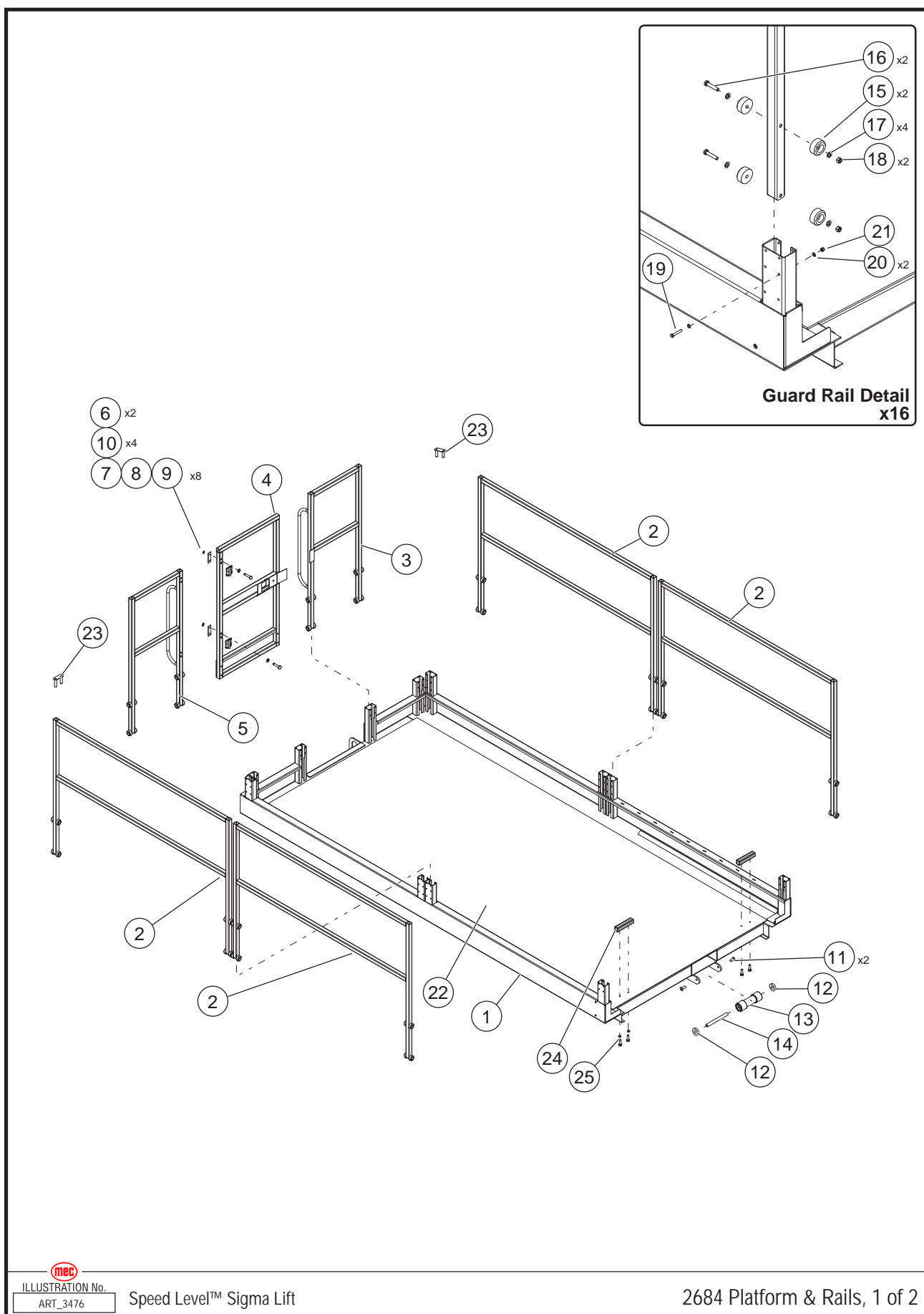
*Single-Piece Deck **2-Piece Deck

Platform & Rails, 3084 - From Serial # 11800047



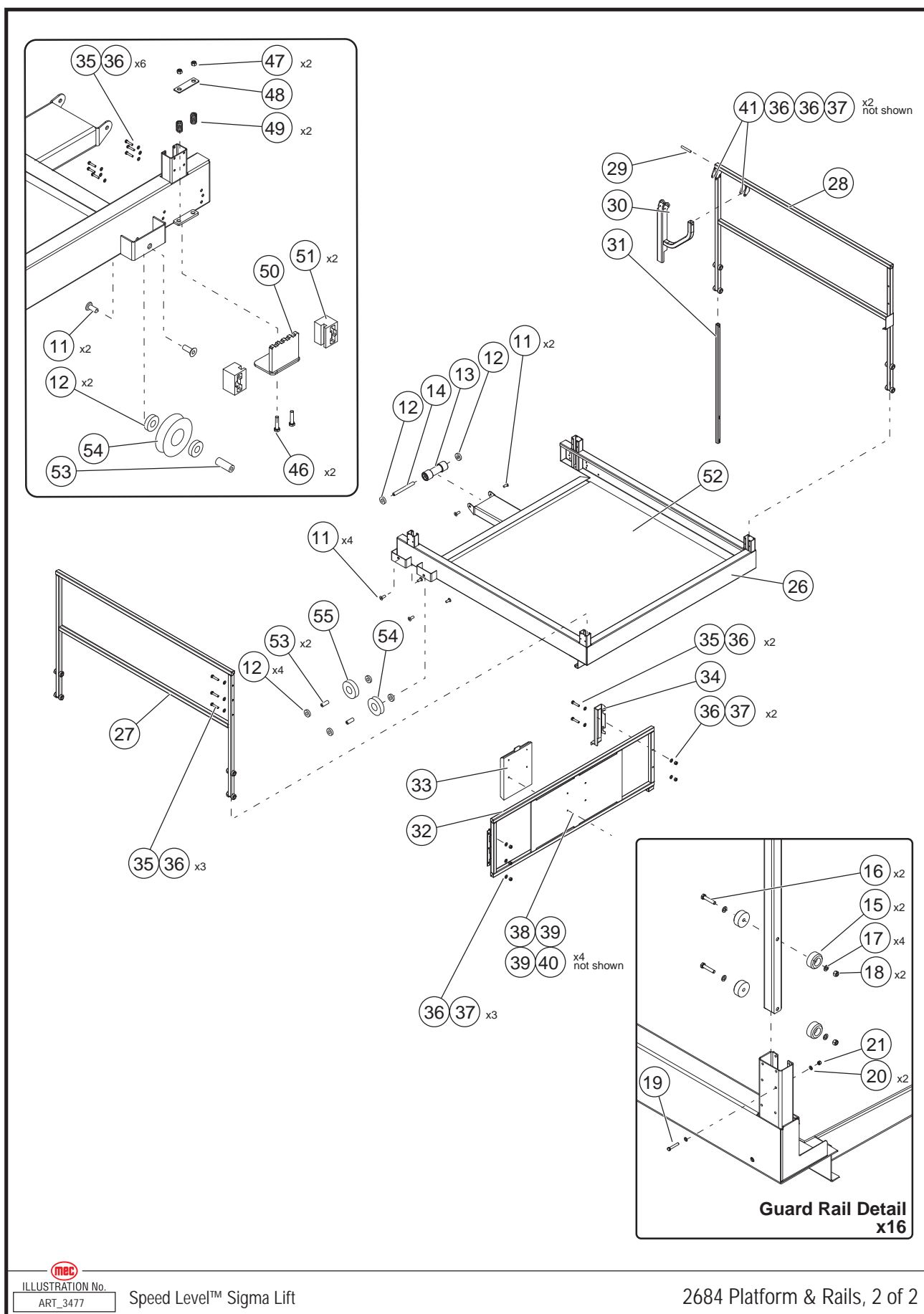
Item	Part Number	Description	Qty.
1	50000	WSHR M06 ZP Standard Flat	60
2	50002	WSHR M10 ZP Standard Flat	7
3	50020	HHCS M10-1.50x050 08 ZP P	3
4	50021	HHCS M10-1.50x055 08 ZP P	2
5	50296	HHCS M06-1.00x16 08 ZP P	4
6	50047	NNYL M06x1.00 08 ZP Nylock	60
7	50049	NNYL M10x1.50 08 ZP Nylon Inse	5
8	50262	HHCS M06-1.00x050 08 ZP F	56
9	19109	Deck Weldment	1
10	91888	Gate Hinge	2
11	84148	Reinforcement Rail Corner Assy	2
12	83165	Front Right Rail Assy	1
	19141	Front Right Rail Only	1
13	83164	Front Left Rail Assy	1
	19136	Front Left Rail Only	1
14	83161	Platform Side Rail Assy	2
	19116	Platform Side Rail Only	1
15	83153	Main Deck Right Rail Assy	1
	19384	Main Deck Right Rail Only	1
16	83152	Main Deck Left Rear Rail Assy	1
	19381	Main Deck Left Rear Rail Only	1
17	83149	Entry Gate Weldment	1
	22366	Entry Gate Only	1
18	19376	Deck Gate Lock	1
19	19263	Diamond Plate Decking	1
20	19239	Hinge Spacer	4
21	19133	Weldment, Loading Gate	1
22	8909	Enclosure Service Manual	1
23	6823	Cap Plug 1-1/4" Sq. Tube	10
24	91024	Hinge	1

Platform & Rails, 2684 - Part 1



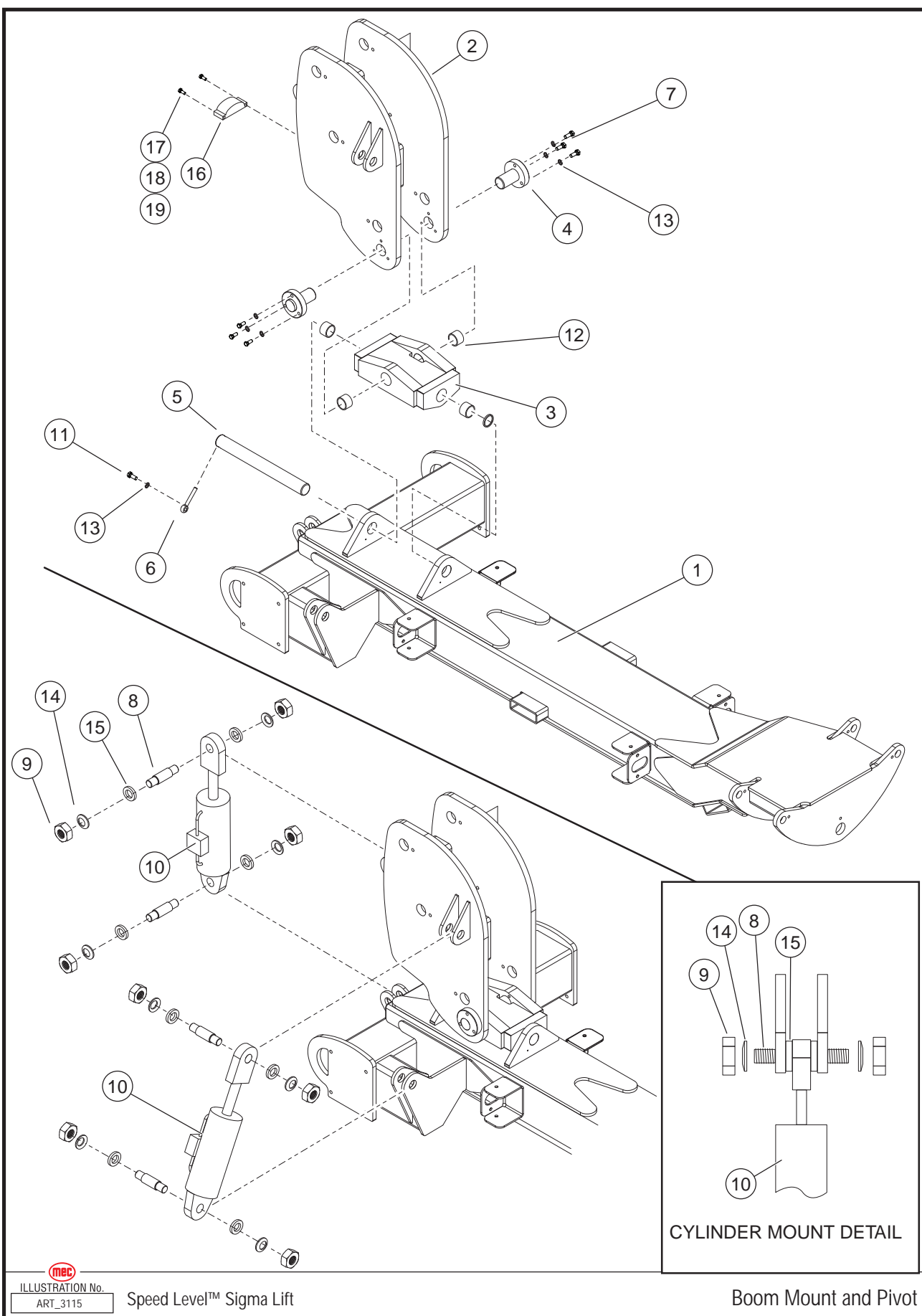
Item	Part Number	Description	Qty.
--	83097	Platform Assembly, 2684	1
1	19356	Platform Weldment	1
2	19377	Side Rail	4
3	19381	End Rail, Left	1
4	22366	Gate Weldment	1
--	22372	Gate Toeboard	1
--	16799	Gate Latch (Not Shown)	1
--	7408	Gate Latch (Not Shown)	1
--	50015	Bolt, 8 x 50 (Not Shown)	1
--	50001	Washer, #8 (Not Shown)	2
--	50048	Nut, #8 Nylock (Not Shown)	1
5	19384	End Rail, Right	1
6	91888	Hinge	2
7	50125	Bolt, 6mm x 55	8
8	50000	Washer, M6 Flat	8
9	50047	Nut, M6 Nylock	8
10	19238	Backing Plate, Hinge	4
11	50039	Screw, M12x1.75 x 30	10
12	91593	Bearing	10
13	19399	Roller	2
14	19398	Axle, Threaded	2
15	19131	Rail Wheel	64
16	50016	Bolt, M8 x 55	32
17	50001	Washer, M8	64
18	50048	Nut, M8 Nylock	32
19	50283	Bolt, M4 x 55	16
20	50284	Washer, M4	32
21	50285	Nut, M4 Nylock	16
22	19390	Platform Deck Plate	1
23	84148	Reinforcement Rail Corner Assy	1
	22459	Plate, Corner Cap	2
	22458	Pin, Corner Cap	4
	50286	Bolt, Button Head, M12 x 50	4
Items #24 and #25 used on serial numbers 12800001 - 12800009 only			
24	22248	Block, Deck Extension Stop	2
25	50036	Bolt, M10-1.5 x 50	4
	50006	Washer, M10 Nordlock	4

Platform & Rails, 2684 - Part 2



Item	Part Number	Description	Qty.
--	83097	Platform Assembly, 2684	1
11		Screw, Countersink	10
12	91593	Bearing	10
13	19399	Roller	2
14	19398	Axle, Threaded	2
15	19131	Rail Wheel	64
16	50016	Bolt, M8 x 55	32
17	50001	Washer, M8	64
18	50048	Nut, M8 Nylock	32
19	50283	Bolt, M4 x 55	16
20	50284	Washer, M4	32
21	50285	Nut, M4 Nylock	16
26	19337	Platform Extension Weldment	1
27	19424	Side Rail, Deck Extension, Right Side	1
28	19432	Side Rail, Deck Extension, Left Side	1
29	92219	Spring Pin, M8 x 55	1
30	19367	Deck Extension Handle Weldment	1
31	19370	Deck Extension Bar	1
32	19374	Gate, Material Loading	1
33	8909	Manuals Case	1
34	19376	Latch, Material Loading Gate	1
35	50015	Bolt, M8 x 50	11
36	50001	Washer, M8	20
37	50048	Nut, M8 Nylock	7
38	50028	Bolt, M6 x 20	4
39	50000	Washer, M6	8
40	50047	Nut, M6	4
41	50287	Bolt, Button Head Cap Screw, M8 x 70	2
42	--	--	--
43	--	--	--
44	--	--	--
45	--	--	--
46	50288	Cap Screw, Shouldered, M10 x 60	2
47	50053	Nut, M10	2
48	19389	Plate	1
49	92218	Spring	2
50	19385	Weldment, Locking Rack	1
51	19388	Locking Track	2
52	19391	Platform Extension Deck Plate	1
53	16791	Threaded Axle	3
54	16793	V-Wheel	2
55	16792	Flat Wheel	1

Boom Mount and Pivot



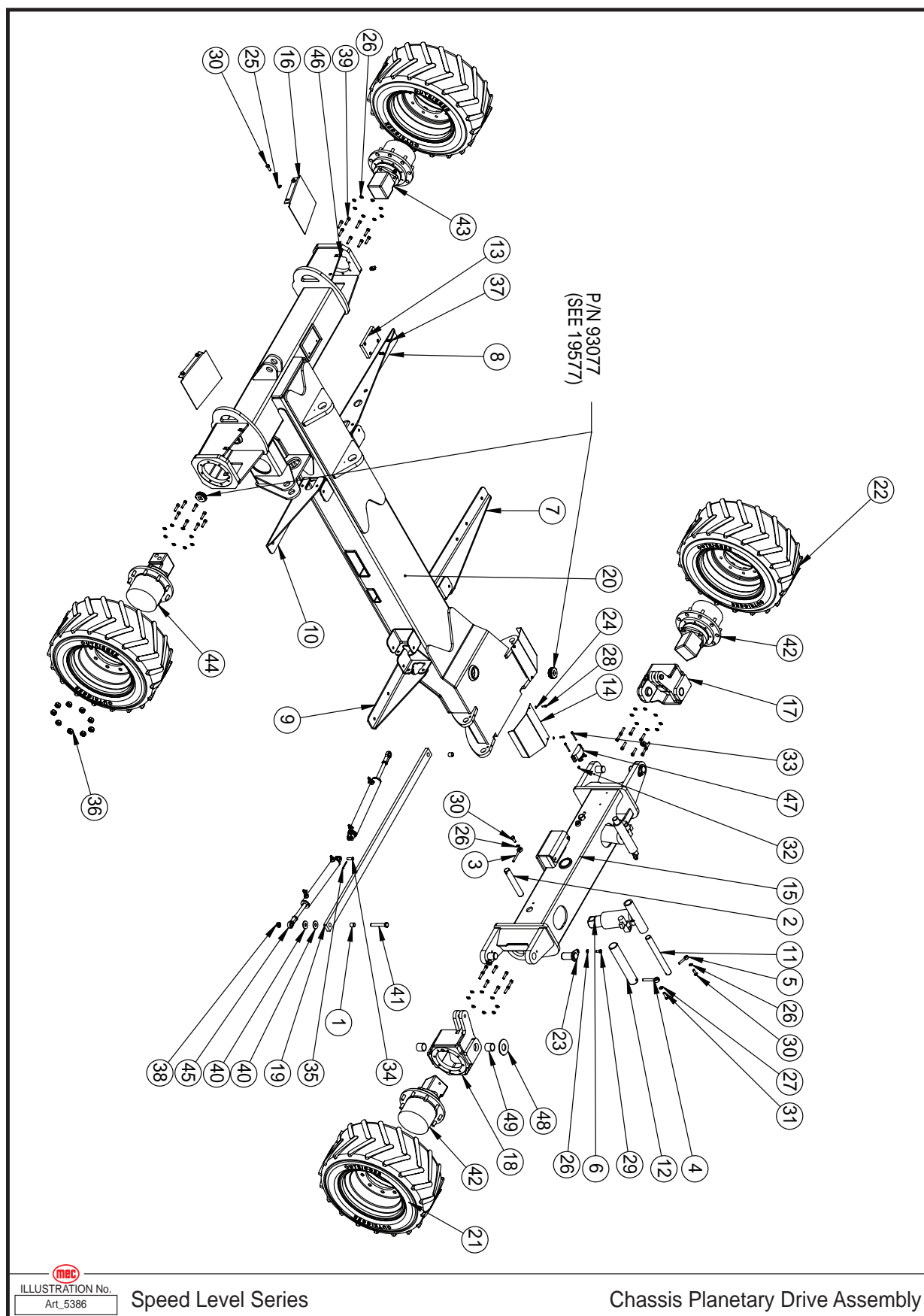
Item	Part Number	Description	Qty.
--	83081	Chassis Assembly	1
1	19020	Chassis Weldment	1
2	19031	Boom Mount Weldment	1
3	19013	Level Pivot Weldment	1
4	19124	Pin	2
5	19123	Pin	1
6	18152	Pin Retainer	1
7	50023	Bolt, M12 x 50	6
8	19122	Pin	4
9	50119	Nut, Nylock 1-1/4"	8
10	19081	Cylinder, Level	2
11	50039	Bolt, M12 x 30	1
12	92011	Bearing, Flange	4
13	50007	Washer, M12 Nord-Lock	6
14	50065	Flat Washer, 1 1/4	8
15	19164	Spacer	8
16	92201*	CAN Tilt Angle Transducer, Model 151	1
17	50125	Screw, M6 x 55	2
18	50047	Nut, M6 Nylock	2
19	50068	Washer, M6 Fender	2
20	92040	Spacer	As Needed

* For adapter from early style (1-Plug) CAN Tilt to new style (2-Plug) CAN Tilt use 22538

Chassis Planetary Drive Assembly

2684RT - From Serial # 12800107 / 2684ES - From Serial # 12700041

3084RT - From Serial # 11800400 / 3084ES - From Serial # 11700089

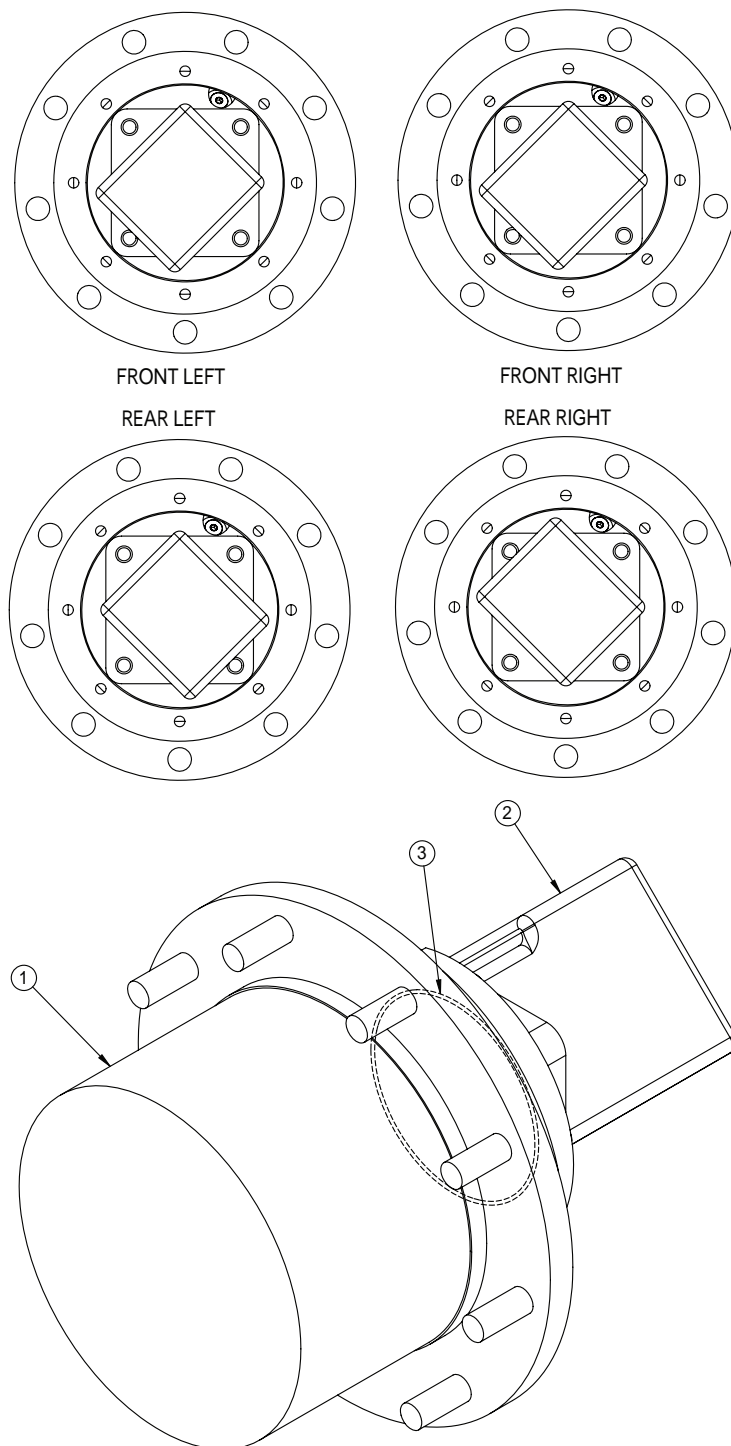


Item	Part Number	Description	Qty.
1	7292	Bearing, Sleeve, Bronze, .625 X .500 LG	2
2	18074	Pin, 1.250 X 8.00	2
3	18151	Keeper Pin	2
4	18152	1/2" Pin Retainer	1
5	18165	Keeper Pin .375 x 2.20	2
6	19087	Axle Lock Cylinder	2
7	19103	Module Mount	1
8	19104	Module Mount	1
9	19105	Module Mount	1
10	19106	Module Mount	1
11	19119	Pin, 1.250 X 11.50	2
12	19120	Pin, 2.000 X 11.50	1
13	19157	Boom Wear Pad	1
14	19162	Cylinder Guard	2
15	19550	Front Axle	1
16	19557	Rear Axle Cover	2
17	19568	LH Yoke	1
18	19569	RH Yoke	1
19	19571	Tie Rod	1
20	19577	Chassis	1
21	19579	RH Air Filled Tire	2
22	19580	LH Air Filled Tire	2
23	26057	King Pin Weldment	4
24	50000	WSHR M06 ZP Standard Flat	4
25	50002	WSHR M10 ZP Standard Flat	4
26	50006	WSHR M10 ZP Nordlock	40
27	50007	WSHR M12 ZP Nordlock	1
28	50028	HHCS M06-1.00X020 08 ZP F	4
29	50033	HHCS M10-1.50X025 08 ZP F	4
30	50034	HHCS M10-1.50X030 08 ZP F	8
31	50040	HHCS M12-1.75X035 08 ZP F	1
32	50047	NNYL M06X1.00 08 ZP Nylock	2
33	50125	HHCS M06-1.00X055 08 ZP F	2
34	50172	PCLV 0.500X1.38 ZP STL	2
35	50177	Cotter Pin 0.156X1.75 ZP STL Extprng	2
36	50365	NLUG 09/16-18 08 ZP Hex Lug Nut	36
37	50372	BHCS M08-1.25X025 08 ZP P	2
38	50398	NLOC 05/08-11 05 ZP Top LOC	2
39	50440	SHCS M10-1.50X040 12 ZP F	32
40	50443	WSHR 05/08 ZP Standard Flat	4
41	50477	HHCS 05/08-11X04.00 08 ZP	2
42	83231*	Motor & Drive Side Port Assy	2
43	83231*	Motor & Drive Side Port Assy	1
44	83231*	Motor & Drive Side Port Assy	1
45	91019	Steer Cylinder	2

46	92098	Nut Clip M10 X .375	4
47	92202	PG Trionic Can Tilt 162	1
48	92341	1.51"X3.5"X3/16" Thrust Washer	2
49	92360	1.50 X 1.75 X 1.50+/-01" Polygon Bearing	4

* See page 32 for individual drive parts

Side Port Assembly



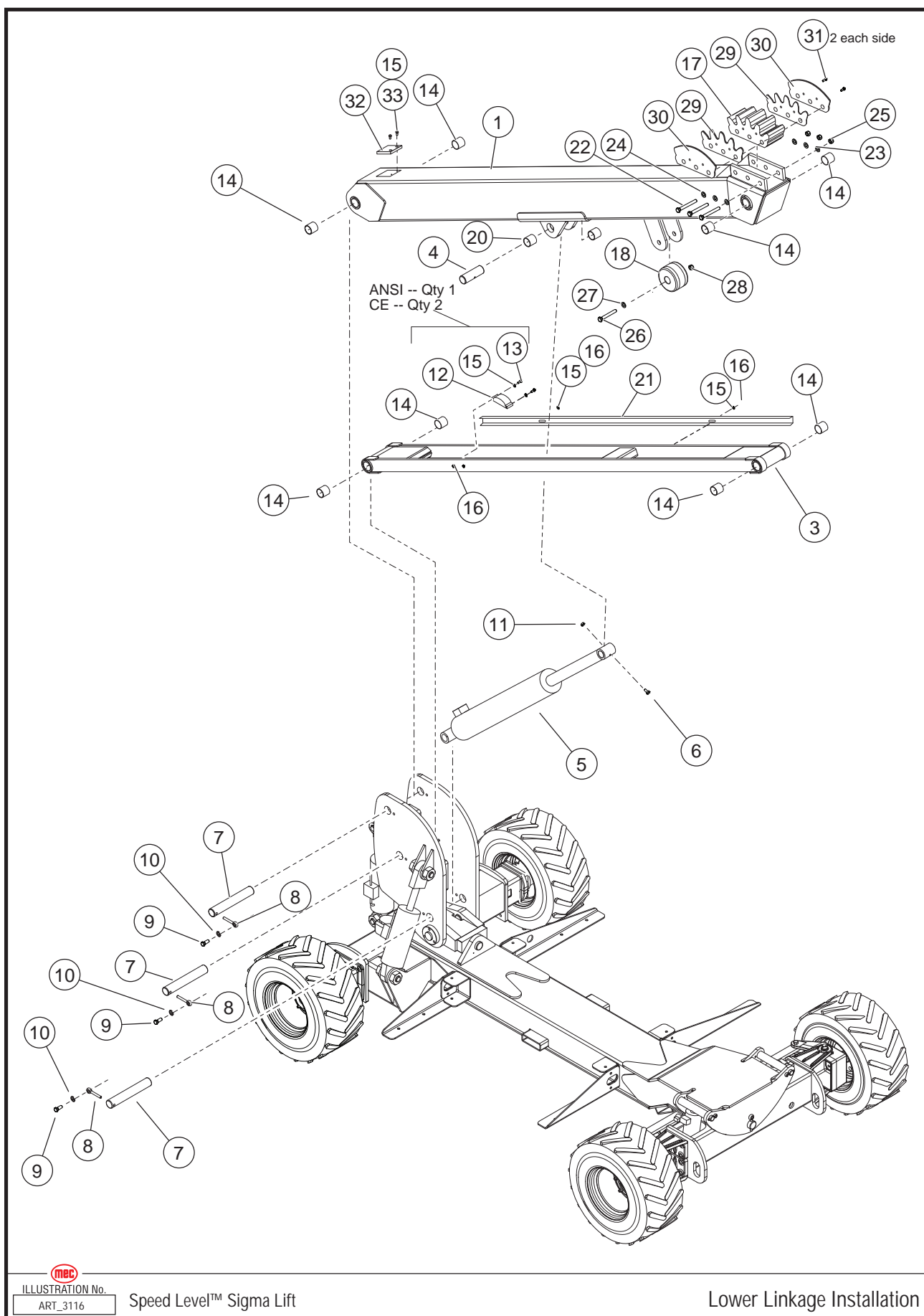
mec
ILLUSTRATION No.
Art_5385

Speed Level Series

Side Port Assembly

Item	Part Number	Description	Qty.
1	93710	Omni Gear VB04 WHL DRV Planetary	1
2	93965	129CC HYD Motor Side Ports	1
3	94756	O-Ring AS 568A-046	1

Lower Boom Assembly



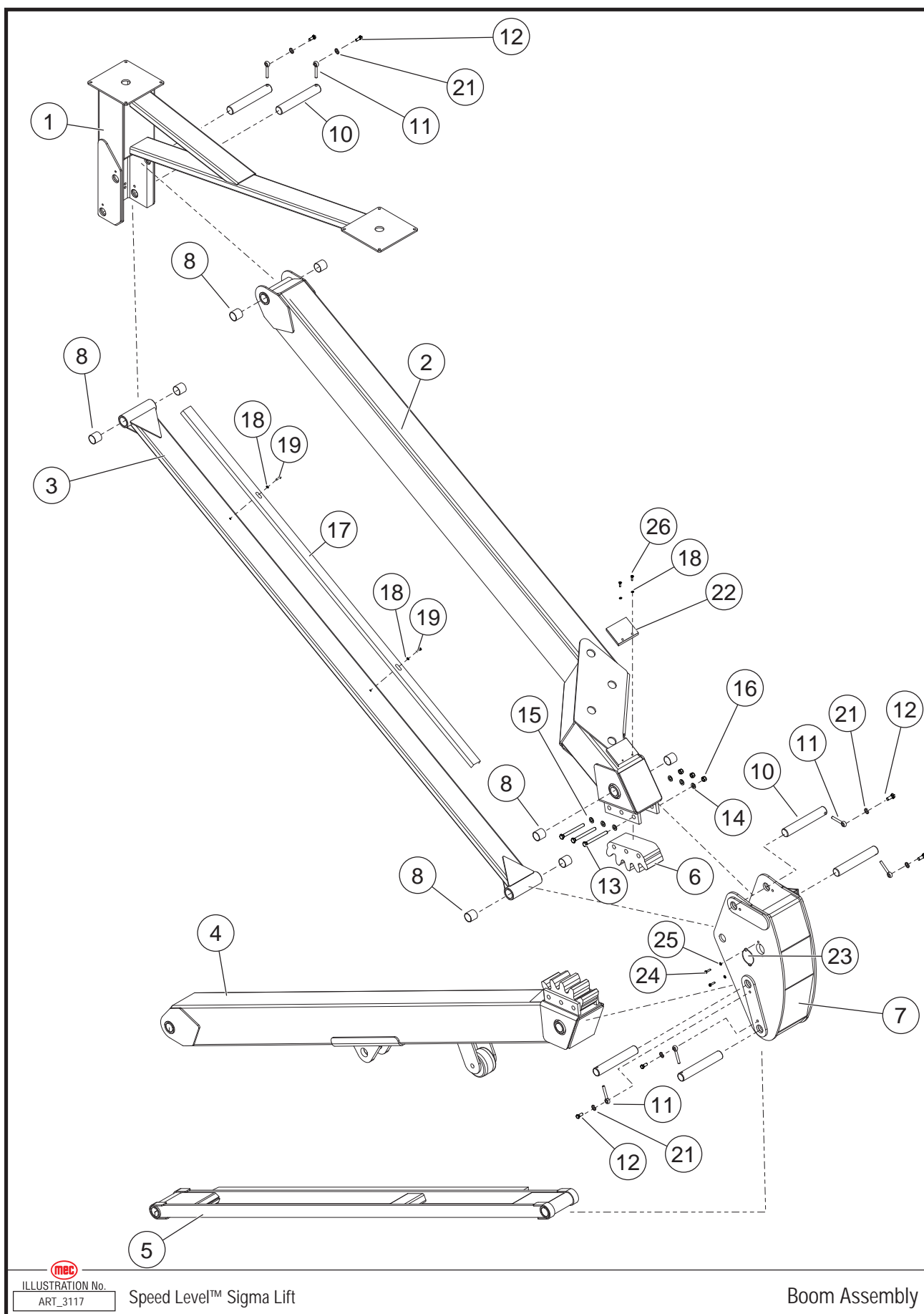
mec
ILLUSTRATION No.
ART_3116

Speed Level™ Sigma Lift

Lower Linkage Installation

Item	Part Number	Description	Qty.
--	83082	3084 -- Lower Boom Assembly	1
--	83095	2684 -- Lower Boom Assembly	1
1	19034	3084 -- Lower Boom Weldment	1
	19327	2684 -- Lower Boom Weldment	1
2	--	--	--
3	19049	3084 -- Lower Tension Weldment	1
	19329	2684 -- Lower Tension Weldment	1
4	19118	Cylinder Mount Pin	1
5	19084	Lift Cylinder	1
6	50024	Bolt, M10.9 x 65	1
7	19121	Pin, Boom Mount	3
8	18152	Pin Retainer	3
9	50039	Bolt, M12 x 30	3
10	50007	Washer, M12 Nordlock	3
11	50049	Lock Nut, M10	1
12	90844	ANSI Specifications - EZfit Angle Transducer, Model 120	1
		CE Specifications - EZfit Angle Transducer, Model 120	2
13	50016	ANSI Specifications - Screw, M8 x 55	2
		CE Specifications - Screw, M8 x 55	4
14	92011	Flange Bearing	8
15	50001	M8 Washer	10
16	50048	ANSI Specifications - M8 Lock Nut	4
		CE Specifications - M8 Lock Nut	6
17	19199	Gear, Pivot	1
18	91963	Wheel	1
19	--	--	--
20	92012	Flange Bearing, 2.0 x 1.0	2
21	19158	3084 -- Cable Cover	1
	19436	2684 -- Cable Cover	1
22	50058	Bolt, HHCS 1"-8 x 8", GR8, ZP	3
23	50063	Washer, 1" ZP Std Flat	3
24	50064	Washer, 1" ZP Flat XT	3
25	50120	Nut, NNYL 1"-8	3
26	50059	Bolt, 3/4-10 x 5.5	1
27	50062	Washer, 3/4 Std	1
28	50118	Nut, 3/4-10 Jam Nylock	1
29	19240	Spacer, Lower Boom Gear Shield	2
30	19241	Guard	2
31	50031	Bolt, M8 x 25	4
32	19157	Wear Pad	1
33	50124	Cap Screw, M8 x 1.25 x 20, Button Head Allen	2

Upper Boom Assembly



Item	Part Number	Description	Qty.
--	83083	3084 -- Upper Boom Assembly	1
--	83096	2684 -- Upper Boom Assembly	1
1	19068	Platform Pivot Weldment	1
2	19073	3084 -- Upper Boom Weldment	1
	19332	2684 -- Upper Boom Weldment	1
3	19058	3084 -- Upper Tension Weldment	1
	19334	2684 -- Upper Tension Weldment	1
4	REF	Lower Boom Weldment (See "Lower Boom Assembly" On Page 26)	1
5	REF	Lower Tension Weldment (See "Lower Boom Assembly" On Page 26)	1
6	19199	Gear, Pivot	1
7	19055	Boom Pivot Weldment	1
8	92011	Flange Bearing	8
9	--	--	--
10	19121	Boom Mount Pin	6
11	18152	Pin Retainer	6
12	50046	Bolt, M12 x 35	6
13	50058	Bolt, HHCS 1"-8 x 8", GR8, ZP	3
14	50063	Washer, 1" ZP Std Flat	3
15	50064	Washer, 1" ZP Flat XT	3
16	50120	Nut, NNYL 1"-8	3
17	19158	3084 -- Cable Cover	1
	19436	2684 -- Cable Cover	1
18	50001	M8 Washer Standard	4
19	50048	M8 Lock Nut	2
--	--	--	--
21	50007	Split Lock Washer, M12	6
22	19157	Wear Pad	1
23	19183	Grease Port Cover	1
24	50037	Bolt, M12 x 20	2
25	50003	Washer, M12	2
26	50124	Bolt	2

REF - Reference

Front Axle Assembly

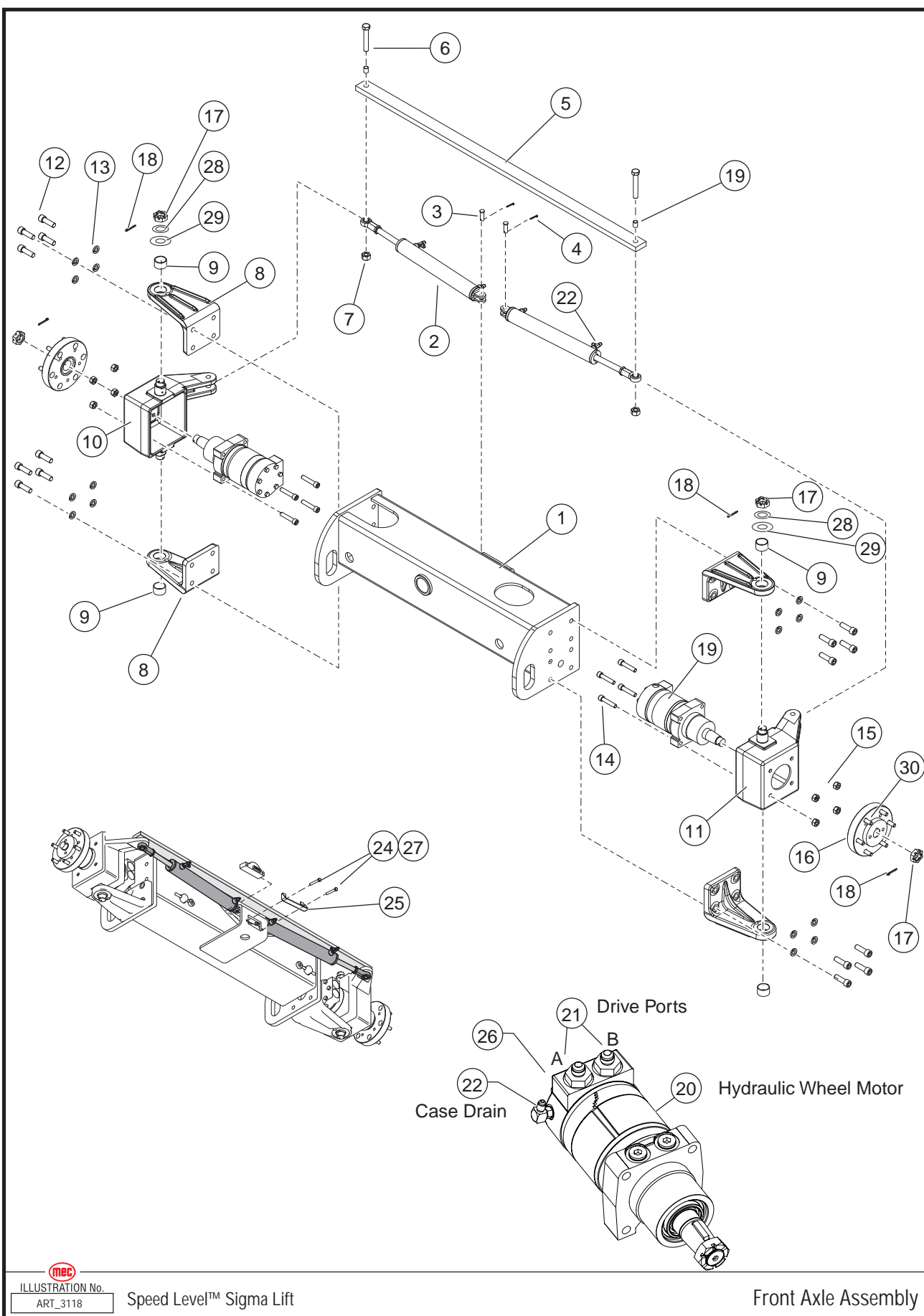


ILLUSTRATION No.
ART_3118

Speed Level™ Sigma Lift

Item	Part Number	Description	Qty.
--	83084	Front Axle Assembly	1
1	19008	Front Axle Weldment	1
2	91019	Cylinder, Steering	2
	90990	Seal Kit, Steer Cylinder (Not Shown)	--
3	50172	Pin, Clevis, ½ DIA. X 1 3/8" LG	2
4	50178	Pin, Cotter, .12 DIA. X 1" LG	2
5	19079	Rod, Tie Steering	1
6	50154	Screw, 5/8" - 11. 4" LG, GR 5	2
7	HDW6633	Nut, Lock, 5/8" - 11, GR 5	2
8	40334	Mount, Motor W/Bearings	4
9	9307	Bearing, 1.50 x 1.0 DIA	4
10	40308	Mount, Wheel Motor, RH, Front	1
11	40464	Mount, Wheel Motor, LH, Front	1
12	50012	Screw, M16 X 50, GR 12, Socket Head	16
13	50008	Lock Washer, M16	16
14	50072	Screw, ½"-13, 2.50" LG, GR 8, Socket Head	8
15	HDW8457	Nut, ½"-13, GR8	8
16	10709	Hub	2
17	HDW8568	Nut, 1 1/8" - 18	6
18	50177	Pin, Cotter, .156 DIA. X 1.75" LG	6
19	7292	Bearing	2
20	7300P	Motor, Wheel, Hyd.	2
	94863	Hyd Drive Motors 160CC 3084RT - From Serial #11800423	2
21	50659	Fitting, MB-MJ-12-8	4
22	50665	Fitting, MB-MJ90-4-4	4
23	92202*	CAN Tilt Angle Transducer, (152)	1
24	50017	Screw, M8 x 60	2
25	19197	Guard	1
26	50645	Fitting, MJ-FJX-8-8	2
27	50048	Locknut, M8	2
28	20312	Washer Bearing	8
29	20311	Washer, 2.550 x 1.560	4
30	HDW6676	Wheel Stud 1/2-20 x 1 3/4 LG	1

* For adapter from early style (1-Plug) CAN Tilt to new style (2-Plug) CAN Tilt use 22538

Axle Installation, Front

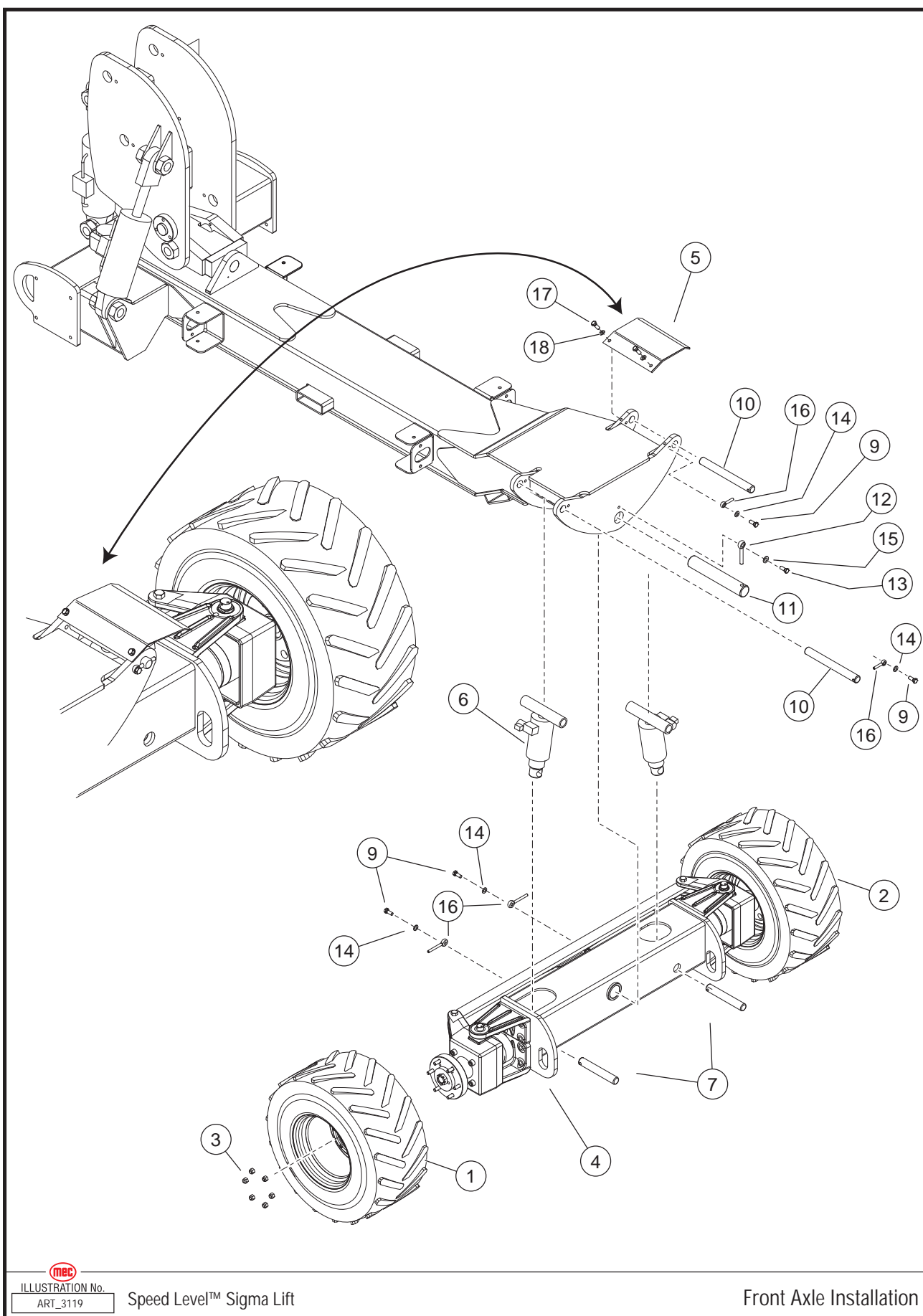


ILLUSTRATION No.
ART_3119

Speed Level™ Sigma Lift

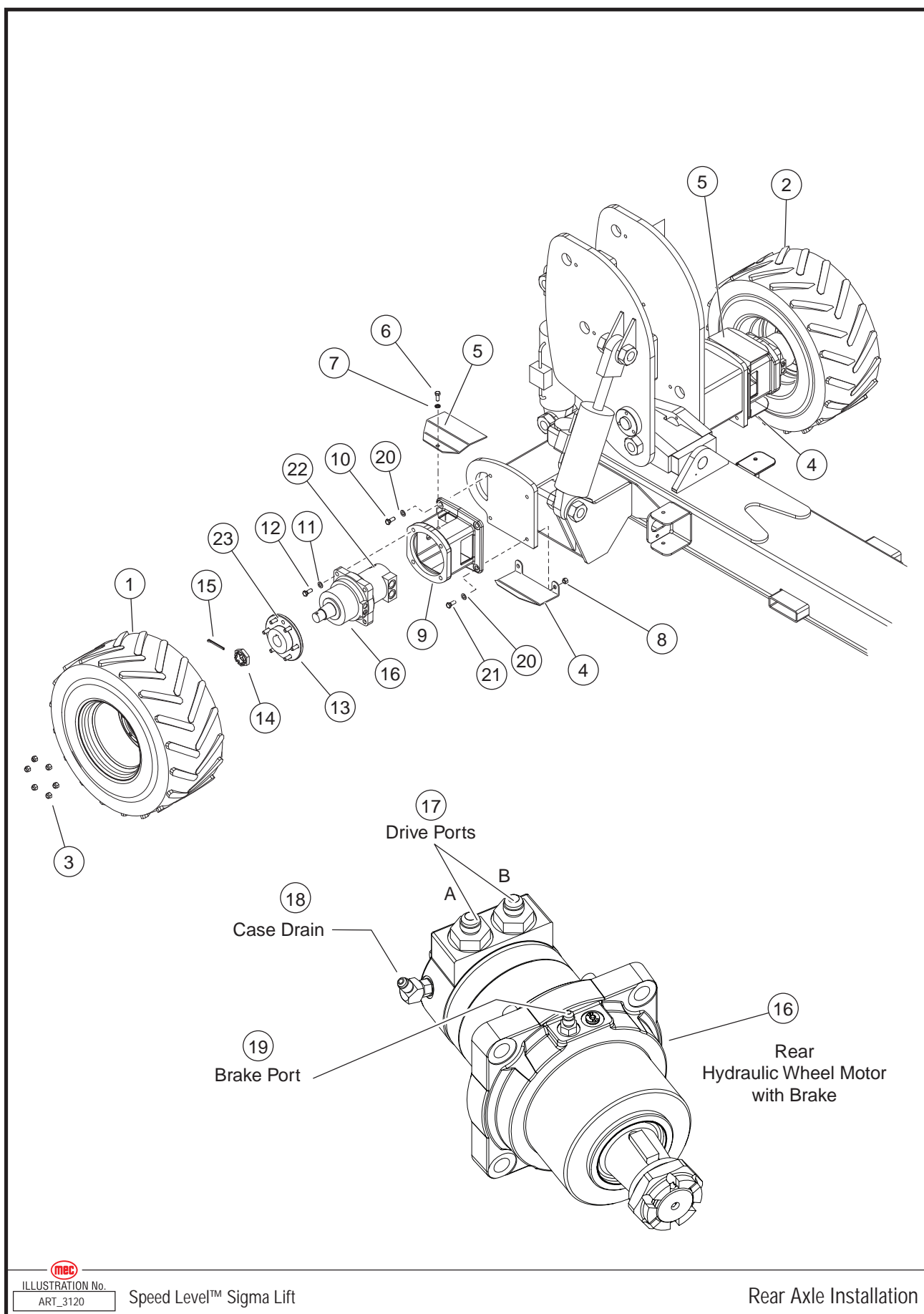
Front Axle Installation

Item	Part Number	Description	Qty.
1	91166	Wheel/Tire Assy, LH - 10 PLY - Pneumatic (ANSI Standard)	1
	91168	Wheel/Tire Assy, LH - 10 PLY - Foam (ANSI Option) (CE Standard)	1
	91578	Wheel/Tire Assy, LH - Non-Marking Pneumatic (ANSI Option)	1
	91580	Wheel/Tire Assy, LH - Non-Marking Foam (ANSI, CE Option)	1
	91581	Wheel/Tire Assy, LH - Turf Pneumatic (ANSI Option)	1
2	91165	Wheel/Tire Assy, RH - 10 PLY - Pneumatic (ANSI Standard)	1
	91167	Wheel/Tire Assy, RH - 10 PLY - Foam (ANSI Option) (CE Standard)	1
	91577	Wheel/Tire Assy, RH - Non-Marking Pneumatic (ANSI Option)	1
	91579	Wheel/Tire Assy, RH - Non-Marking Foam (ANSI, CE Option)	1
	91581	Wheel/Tire Assy, RH - Turf Pneumatic (ANSI Option)	1
Incl	91180	Wheel (Service, No Tire)	--
3	50165	Nut, Lug, ½" - 20, GR 5	12
4	REF	Front Axle Assembly	1
5	19162	Cover	2
6	19087	Cylinder, Axle Lock	2
7	18074	Pin, Ø1.25"	2
8	--	--	--
9	50033	Bolt, M10 x 25	4
10	19119	Pin, Ø1.25	2
11	19120	Pin, Ø7.0	1
12	18152	Pin Retainer, 0.5 x 3.80	1
13	50039	Bolt, M12 x 30	1
14	50006	Lock Washer, M12	4
15	50007	Lock Washer, M10	1
16	18151	Pin Retainer, .375 x 3.75	4
17	50027	Bolt, M6 x 10	4
18	50068	Washer, M6 Flat	4

REF - Reference

Incl - Included with Assembly

Axle Installation, Rear



Item	Part Number	Description	Qty.
1	91166	Wheel/Tire Assy, LH - 10 PLY - Pneumatic (ANSI Standard)	1
	91168	Wheel/Tire Assy, LH - 10 PLY - Foam (ANSI Option) (CE Standard)	1
	91578	Wheel/Tire Assy, LH - Non-Marking Pneumatic (ANSI Option)	1
	91580	Wheel/Tire Assy, LH - Non-Marking Foam (ANSI, CE Option)	1
	91581	Wheel/Tire Assy, LH - Turf Pneumatic (ANSI Option)	1
2	91165	Wheel/Tire Assy, RH - 10 PLY - Pneumatic (ANSI Standard)	1
	91167	Wheel/Tire Assy, RH - 10 PLY - Foam (ANSI Option) (CE Standard)	1
	91577	Wheel/Tire Assy, RH - Non-Marking Pneumatic (ANSI Option)	1
	91579	Wheel/Tire Assy, RH - Non-Marking Foam (ANSI, CE Option)	1
	91581	Wheel/Tire Assy, RH - Turf Pneumatic (ANSI Option)	1
Incl	91180	Wheel (Service)	--
3	50165	Nut, Lug, ½" - 20, GR 5	12
4	16349	Bottom Hose Cover	2
5	19168	Top Hose Cover	2
6	50010	Screw, M8 x 25	2
7	50001	Washer, Lock, M8	2
8	50051	Nut, M16	4
9	40258	Mount, Motor, Rear Axle, Machined	2
10	50043	Bolt, M16 x 40	8
11	50253	Washer, Lock, 5/8	8
12	50151	Screw, 5/8"-11, 2.25" LG, GR 5	8
13	14773	Hub	2
14	HDW9037	Nut, Castle, M42 X 3 (Service)	--
15	50170	Pin, Cotter, .250 DIA. X 3" LG	2
16	91319	Wheel Motor, Hyd W/Brake	2
	94863	Hyd Drive Motors 160CC 3084RT - From Serial #11800423	2
	9781	Seal Kit	1
	91138	Brake Kit	1
17	50659	Fitting, MB-MJ-12-8	4
18	50646	Fitting, MB-MJL-4-4	2
19	50647	Fitting, MB-MJ90L-4-4	2
20	50008	Washer, Lock, M16	8
21	50044	Bolt, M16 x 60 G10.9	8
22	91585	Valve Assembly With Coil (XX84ES Models Only) 3084ES - From Serial #11700100	2
23	HDW6676	Wheel Stud 1/2-20 x 1 3/4 LG	1

Incl - Included with Assembly

Wheel Motor, Rear

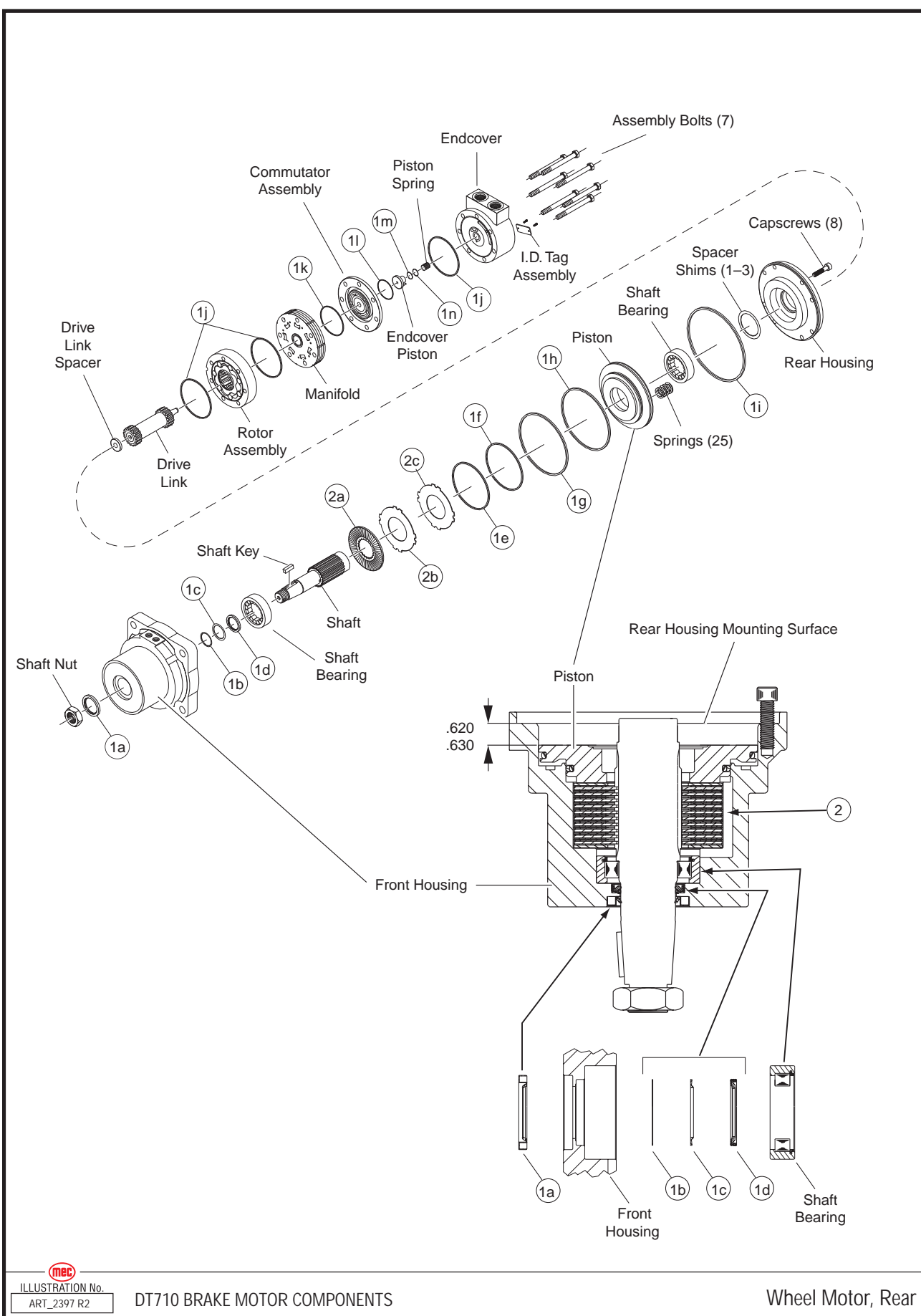


ILLUSTRATION No.
ART_2397 R2

DT710 BRAKE MOTOR COMPONENTS

Wheel Motor, Rear

Item	Part Number	Description	Qty.
--	91319	Wheel Motor W/Brake	--
1	9781	Seal Kit	--
1a	Incl	Dust Seal	1
1b	Incl	Metal Backup Shim	1
1c	Incl	Backup Seal	1
1d	Incl	Shaft Seal	1
1e	Incl	Small Piston O-Ring Seal	1
1f	Incl	Small Piston Seal	1
1g	Incl	Large Piston O-Ring Seal	1
1h	Incl	Large Piston Seal	1
1i	Incl	O-Ring Seal	1
1j	Incl	Body Seal	3
1k	Incl	Manifold Seal	1
1l	Incl	Commutator Seal	1
1m	Incl	O-Ring Seal	1
1n	Incl	Backup Seal	1
--	--	--	--
2	91138	Disk Kit	--
2a	Incl	Friction Disk	10
	91138	Brake Kit	1
2b	Incl	Disk Stamping	9
	91138	Brake Kit	1
2c	Incl	Thick Disk Stamping	2
	91138	Brake Kit	1

Incl - Included with Assembly

Wheel Motor, Front

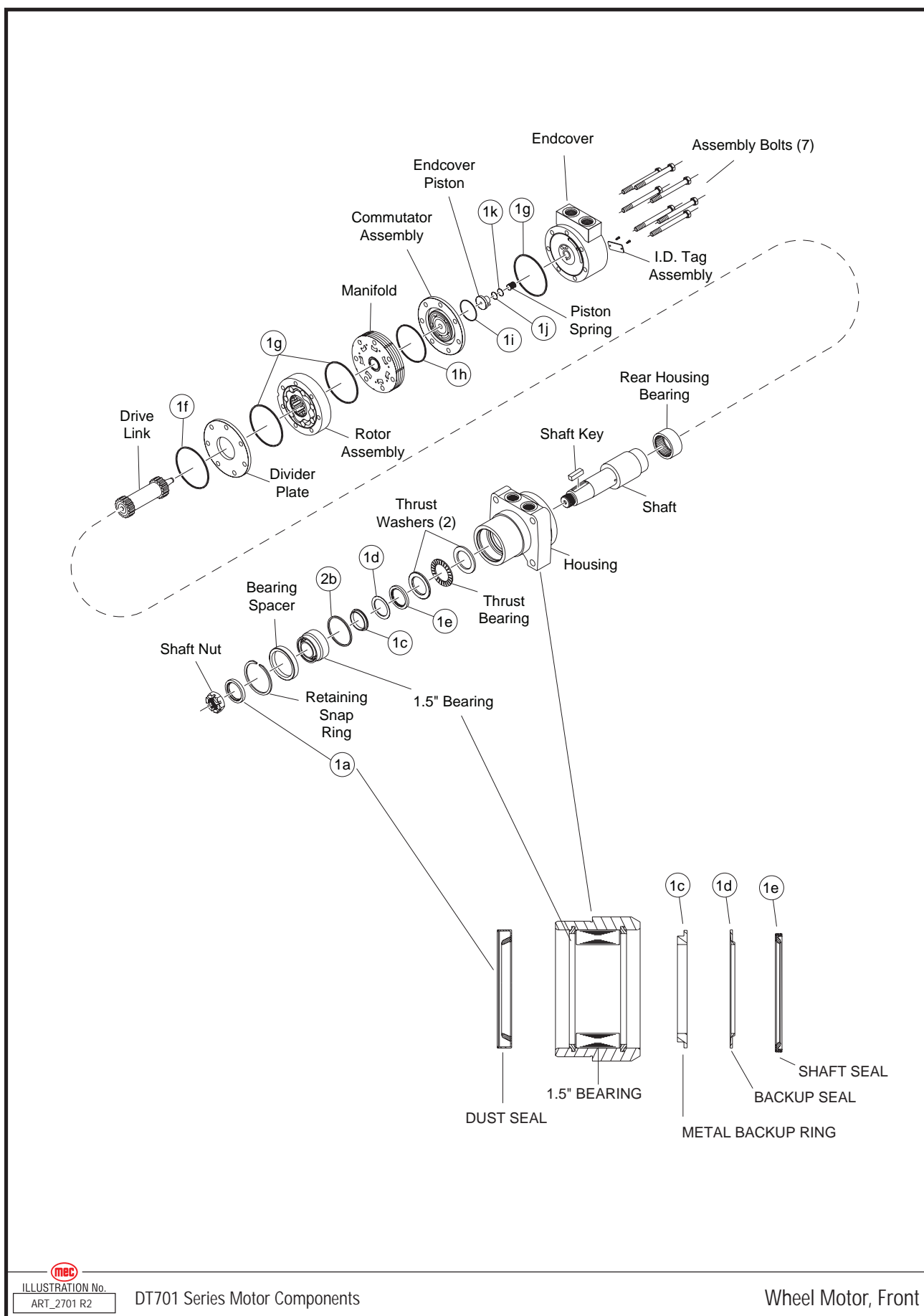


ILLUSTRATION No.
ART_2701 R2

DT701 Series Motor Components

Wheel Motor, Front



Item	Part Number	Description	Qty.
--	7300P	Motor Wheel Hyd Painted	--
1	90592	Seal Kit	--
1a	Incl	Dust Seal	1
1b	Incl	High Pressure Seal	1
1c	Incl	Metal Backup Shim	1
1d	Incl	Teflon Back Up Seal	1
1e	Incl	Shaft Seal	1
1f	Incl	Housing Seal	1
1g	Incl	Body Seals	3
1h	Incl	Manifold Seal	1
1i	Incl	Commutator Seal	1
1j	Incl	O-Ring Seal	1
1k	Incl	Teflon Backup Seal	1

Incl - Included with Assembly

Main Manifold Assembly, Electric Models - Part 1

ES MODELS

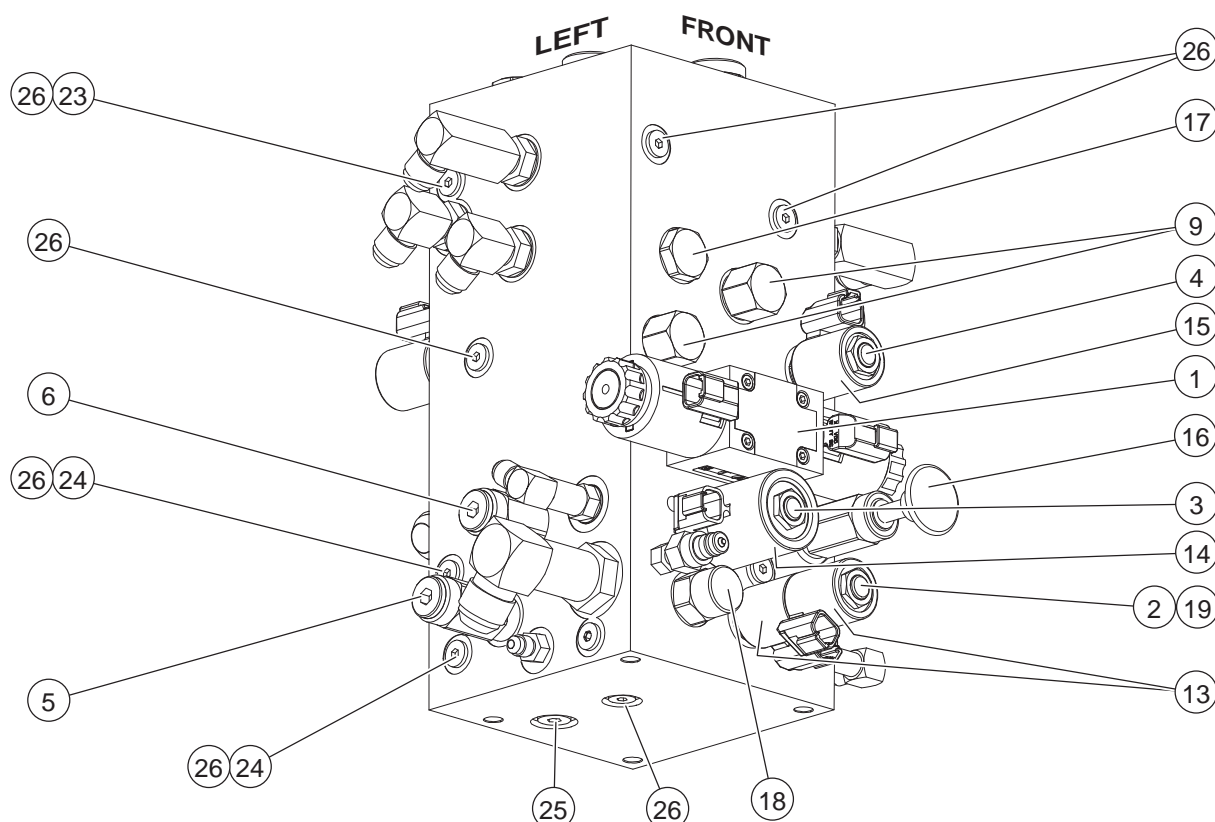
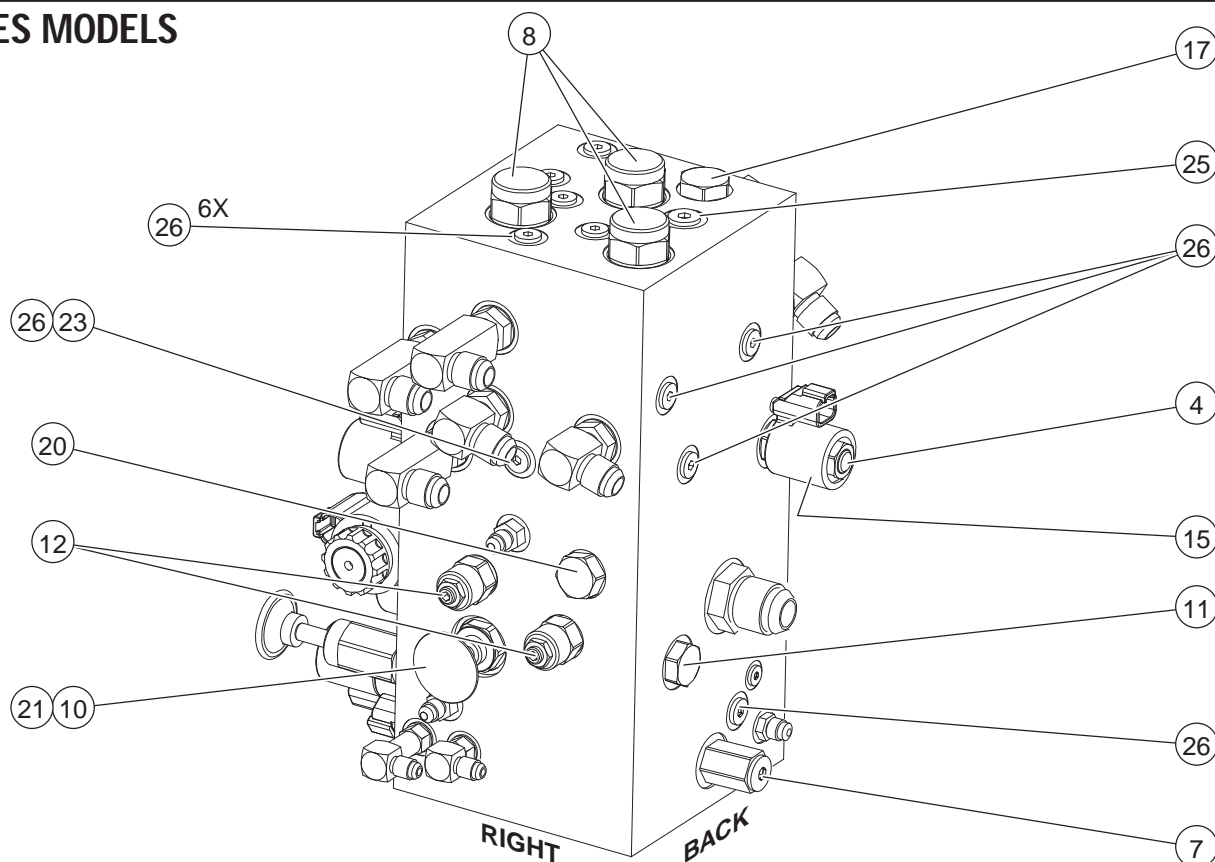



ILLUSTRATION No.
ART_3170

Sheet 1 of 2

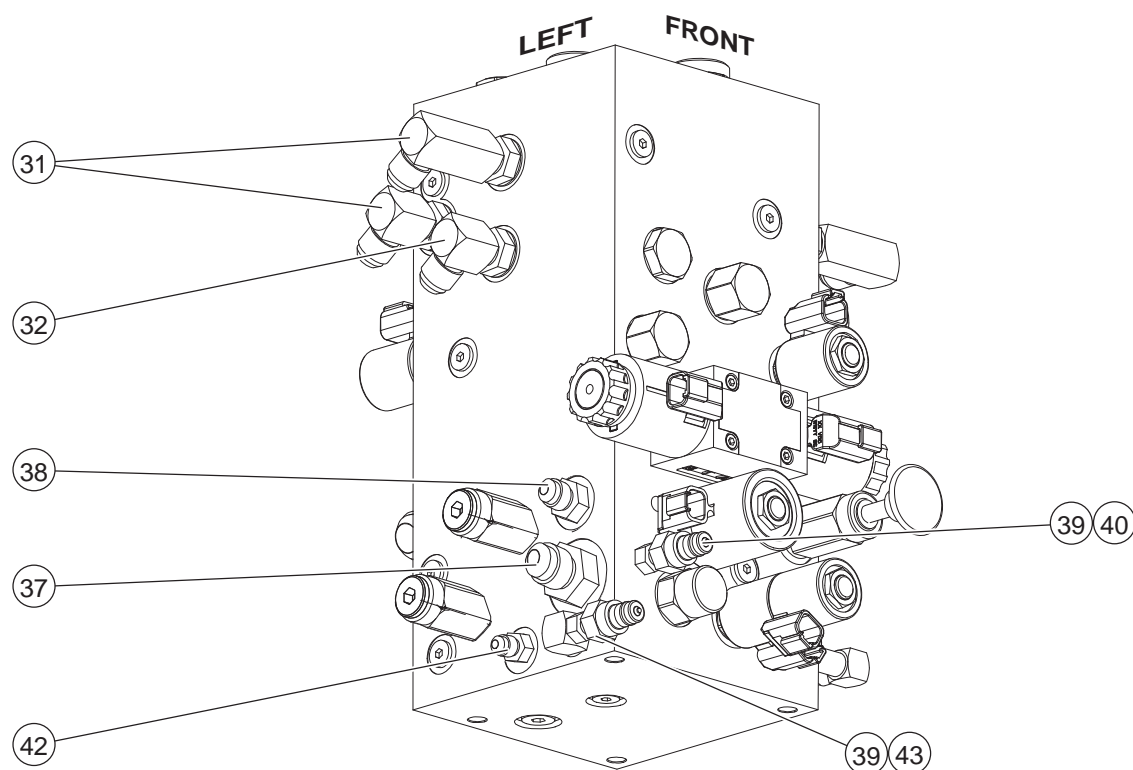
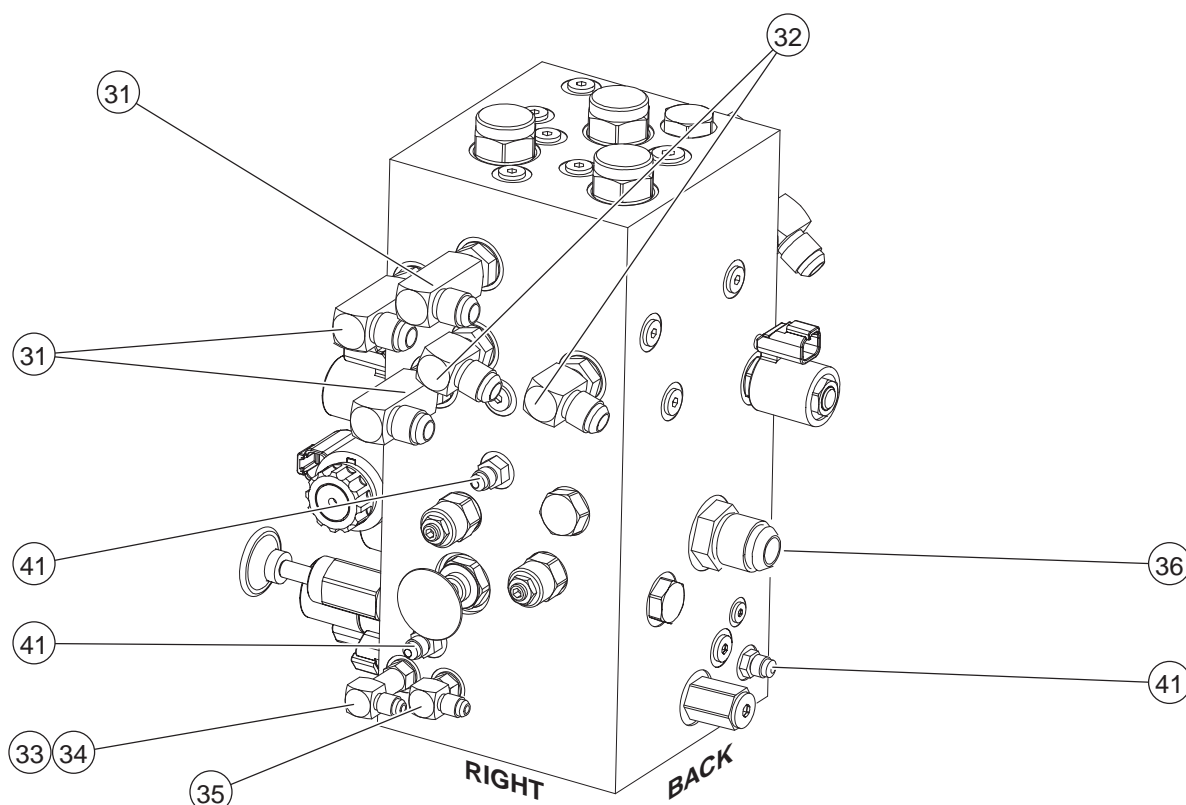
ES Manifold Assembly

Item	Part Number	Description	Qty.
--	83072	Manifold Assembly, ES Models	--
--	91743	Manifold W/ Valves, No Fittings, ES Models	--
1	91144	Valve, Drive, 4 way 3 Position	1
2	91146	Valve, Steer, 4 Way 3 Position	1
3	91145	Valve, Lift Spool, 3 Way	1
4	91147	Valve, Series Parallel Spool, 4 Way 3 Position	2
5	91150	Valve, Relief, Steer	1
6	91149	Valve, Relief, Lift	1
7	91476	Valve, Relief	1
8	91151	Valve, Piloted Spool 4 Way 3 Position	3
9	91152	Valve, Piloted Poppet	2
10	91012	Valve, Manual — Pull	1
11	91153	Valve, Load Shuttle Check	1
12	91350	Valve, Counterbalance	2
13	91141	Coil, Series 8, 12V	2
14	91142	Coil, Series 10, 12V	1
15	91141	Coil, Series	2
16	91015	Hand Pump, Brake Release	1
17	91351	Flow Divider / Combiner	2
18	91352	Pressure Compensator	1
19	91141	Coil	1
20	REF	Cavity Plug	1
21	91354	Orifice Disc	1
22	91355	Orifice Plug, Steer	1
23	91356	Orifice Plug, Flow Divider Bleed	2
24	REF	Orifice Plug	2
25	7484	Port Plug M 0.38" O-Ring, RBG-6	2
26	HDW7314	Port Plug M ¼", O-Ring, RBG-4	19

REF - Reference

Main Manifold Assembly, Electric Models - Part 2

ES MODELS



Item	Part Number	Description	Qty.
31	50796	Elbow, 90°, Male, ½", O-Ring, Male, ½", MB-MJ90LL-8-8	4
32	50792	Elbow, 90°, Male, ½", O-Ring, Male, ½", MB-MJ90-8-8	4
33	50770	Fitting, Orifice 1/16" (Electric Only)	1
34	50794	Elbow, 90°, Male ¼" O-Ring, Male ¼", MB-MJ90LL-4-4	1
35	50647	Elbow, 90°, Male ¼" O-Ring, Male ¼", MB-MJ90L-4-4	1
36	50763	Fitting, Male ¾" O-Ring, Male ¾", MB-MJ-12-12	1
37	50659	Fitting, Male ¾" O-Ring, Male ¾", MB-MJ-12-8	1
38	50799	Fitting, Male .37 JIC, Male .37 O-Ring, MB-MJL-8-6	1
39	HDW7971	Fitting, Male Disconnect, ¼" NPT	2
40	50950	Adapter Male ¼" O-Ring Male ¼" NTP, MP-MB-4-4	1
41	50769	Adapter, Male ¼", O-Ring, Male ¼" 37° MB-MJ-4-4	3
42	50775	Adapter, Male ¼", O-Ring, Male ¼" MB-MJ-6-4	1
43	50952	Elbow, 90°, MP-MB90-4-4	1
44	50960	Port Plug, MB-06-Plug	2

Main Manifold Assembly, RT Models - Part 1

RT MODELS

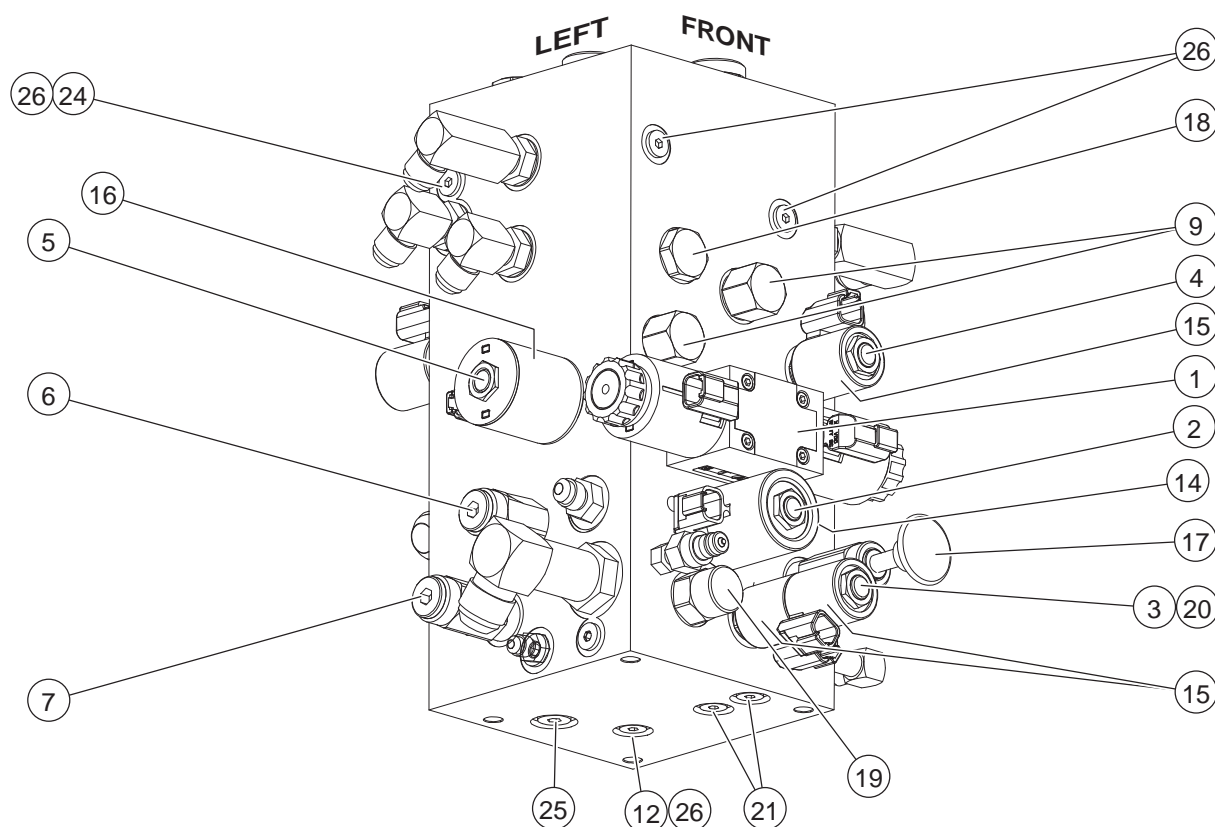
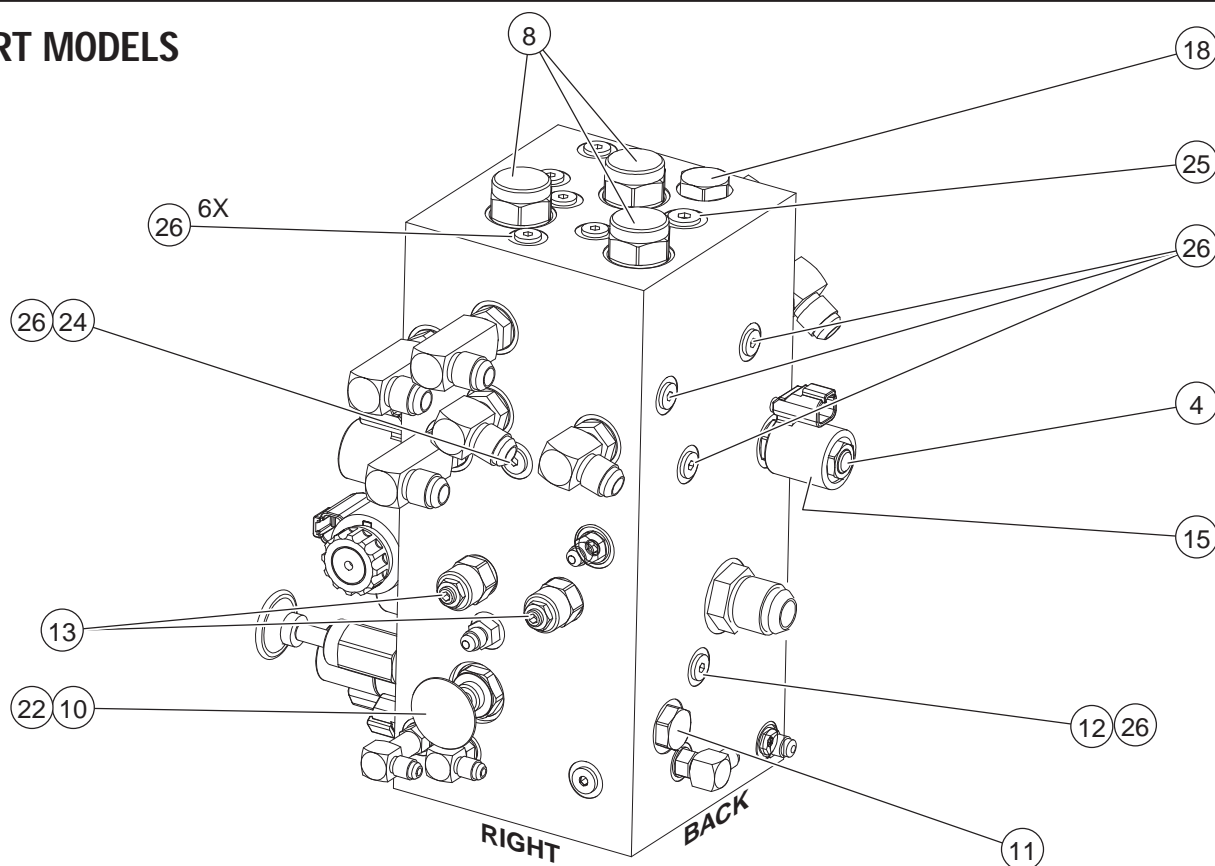


ILLUSTRATION No.
ART_3172

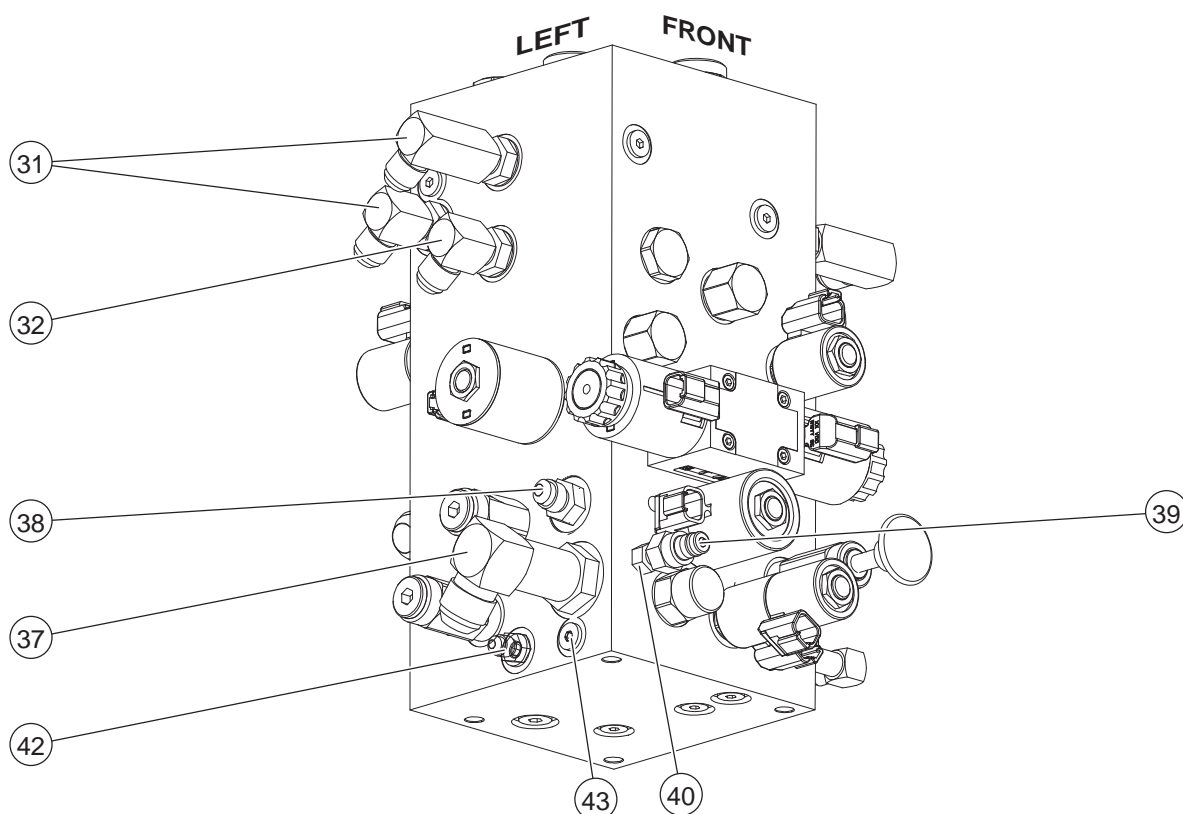
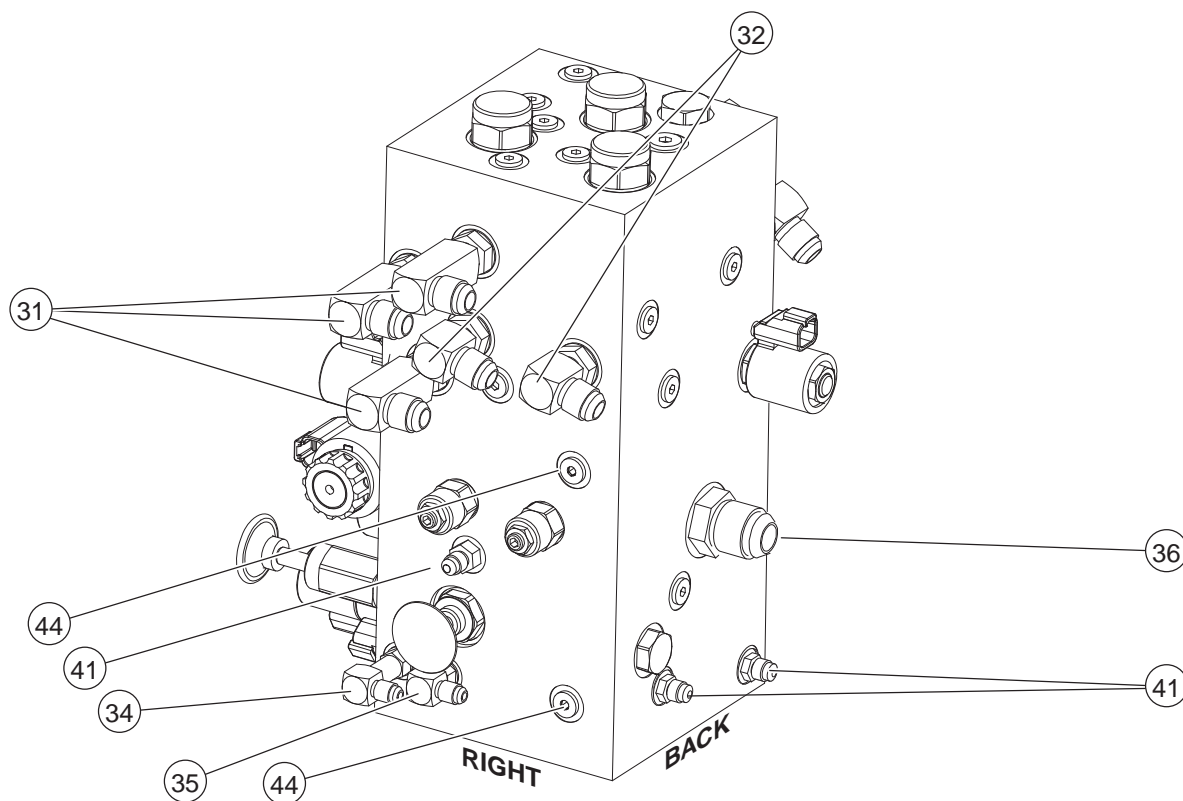
Sheet 1 of 2

RT Manifold Assembly

Item	Part Number	Description	Qty.
--	83071	Manifold Assembly, RT Models	--
--	91140	Manifold W/ Valves, No Fittings, RT Models	--
1	91144	Valve, Drive, 4 Way 3 Position	1
2	91145	Valve, Lift Spool, 3 Way	1
3	91146	Valve, Steer, 4 Way 3 Position	1
4	91147	Valve, Series Parallel Spool, 4 Way 3 Position	2
5	91148	Valve, Proportional	1
6	91149	Valve, Relief, Lift	1
7	91150	Valve, Relief, Steer	1
8	91151	Valve, Piloted Spool 4 Way 3 Position	3
9	91152	Valve, Piloted Poppet	2
10	91012	Valve, Manual — Pull	1
11	91153	Valve, Load Shuttle Check	1
12	91154	Valve, Load Shuttle Check	2
13	91350	Valve, Counterbalance	2
14	91142	Coil, Series 10, 12V	1
15	91142	Coil, Series 10, 12V	1
16	91142	Coil, Series 10, 12V	1
17	91015	Hand Pump, Brake Release	1
18	91351	Flow Divider / Combiner	2
19	91352	Pressure Compensator	1
20	91141	Coil, Series 8, 12V	2
21	91353	Valve, Check	2
22	91354	Orifice Disc	1
23	--	--	--
24	91356	Orifice Plug, Flow Divider Bleed	2
25	7484	Port Plug M 0.38" O-Ring, RBG-6	2
26	HDW7314	Port Plug M ¼", O-Ring, RBG-4	20

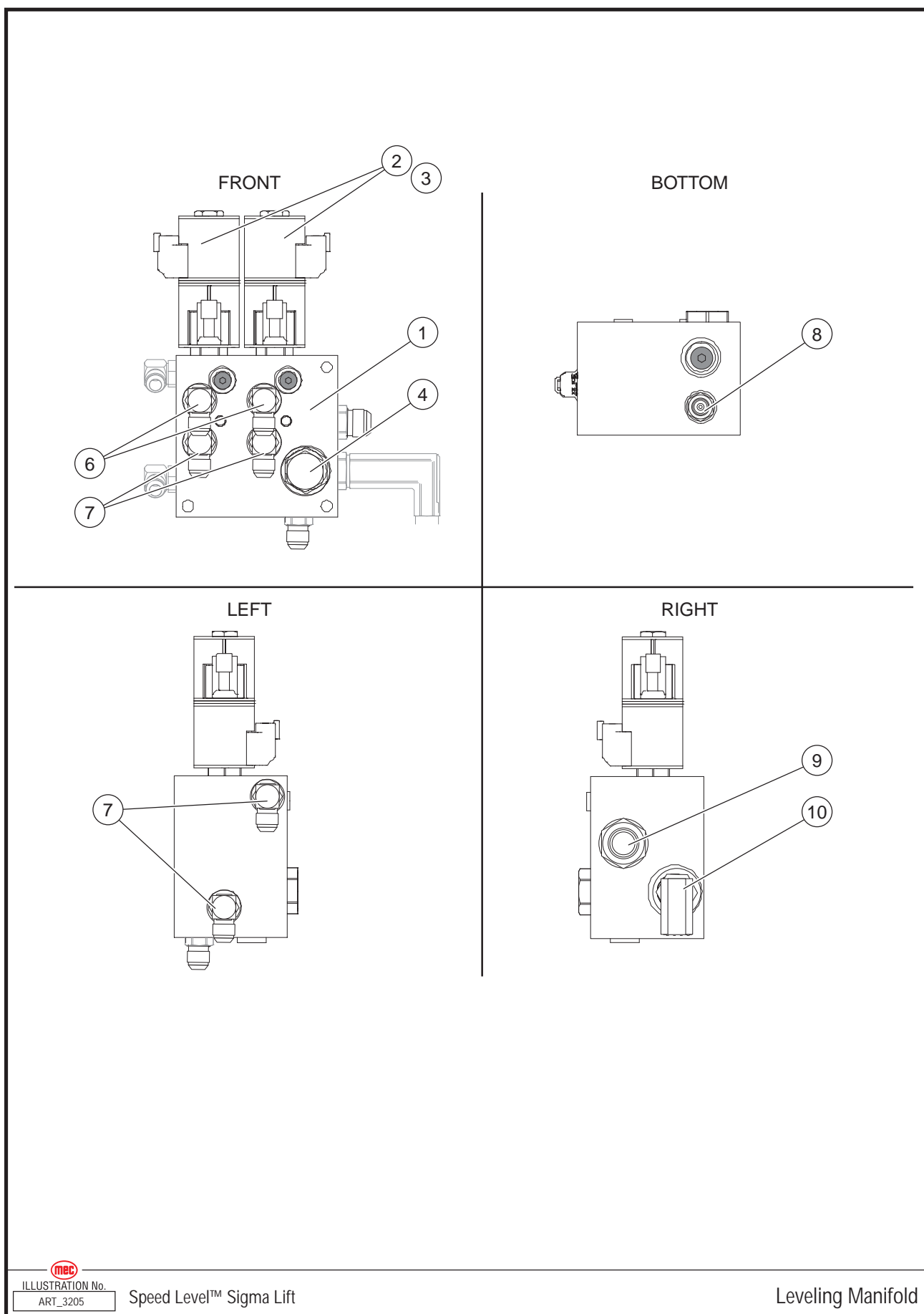
Main Manifold Assembly, RT Models - Part 2

RT MODELS



Item	Part Number	Description	Qty.
31	50796	Elbow, 90°, Male, ½", O-Ring, Male, ½", MB-MJ90LL-8-8	4
32	50792	Elbow, 90°, Male, ½", O-Ring, Male, ½", MB-MJ90-8-8	4
33	--	--	--
34	50794	Elbow, 90°, Male ¼" O-Ring, Male ¼", MB-MJ90LL-4-4	1
35	50647	Elbow, 90°, Male ¼" O-Ring, Male ¼", MB-MJ90L-4-4	1
36	50763	Elbow, 90°, Male ¾" O-Ring, Male ¾", MB-MJ-12-12	1
37	50821	Elbow, 90°, Male ¾" O-Ring, Male ¾", MB-MJ90LL-12-12	1
38	50658	Fitting, Male .37 JIC, Male .37 O-Ring, MB-MJL-6-6	1
39	HDW7971	Fitting, Male Disconnect, ¼" NPT	1
40	50950	Adapter Male ¼" O-Ring Male ¼" NTP, MP-MB-4-4	1
41	50769	Adapter, Male ¼", O-Ring, Male ¼" 37° MB-MJ-4-4	3
42	50775	Adapter, Male ¼", O-Ring, Male ¼" MB-MJ-6-4	1
43	50961	Port Plug, MB-04-Plug	1
44	50960	Port Plug, MB-06-Plug	2

Leveling Manifold Assembly

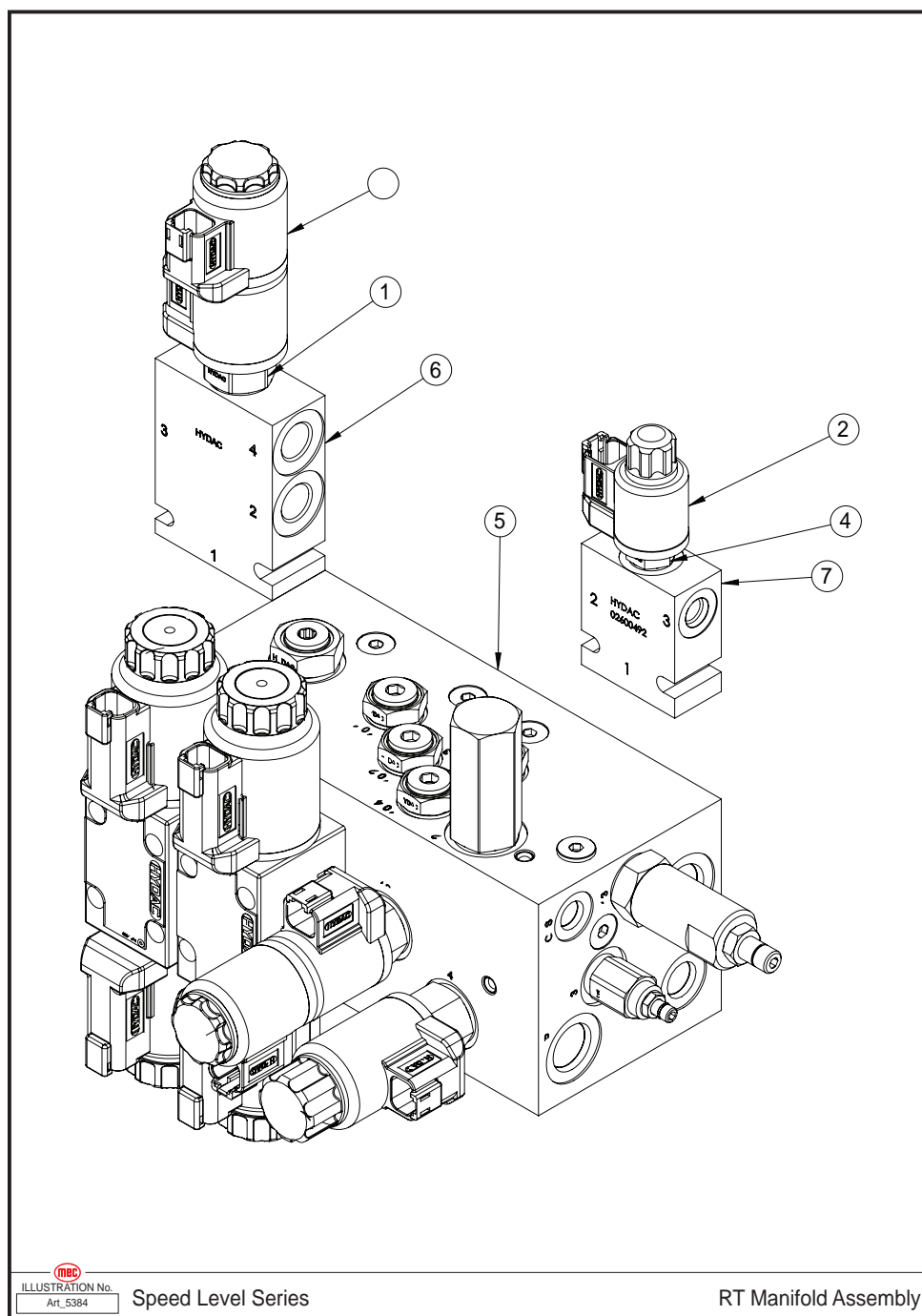


Item	Part Number	Description	Qty.
--	83093	Leveling Manifold Assembly W/ Fittings	1
1	19300	Leveling Manifold Assembly W/o Fittings	1
2	92123	Valve	2
3	91143	Coil	2
4	91473	Check Valve	1
5	--	--	--
6	50661	Fitting, MB-MJ-90LL-6-4 (MB-MJ-90-4-4)	2
7	50660	Fitting, MB-MJ-90-6-4	4
8	50775	MB-MJ-6-4	1
9	50763	MB-MJ-12-12	1
10	50821	MB-MJ-90LL-12-12	1

RT Manifold Assembly

2684RT - From Serial # 12800107 / 2684ES - From Serial # 12700041

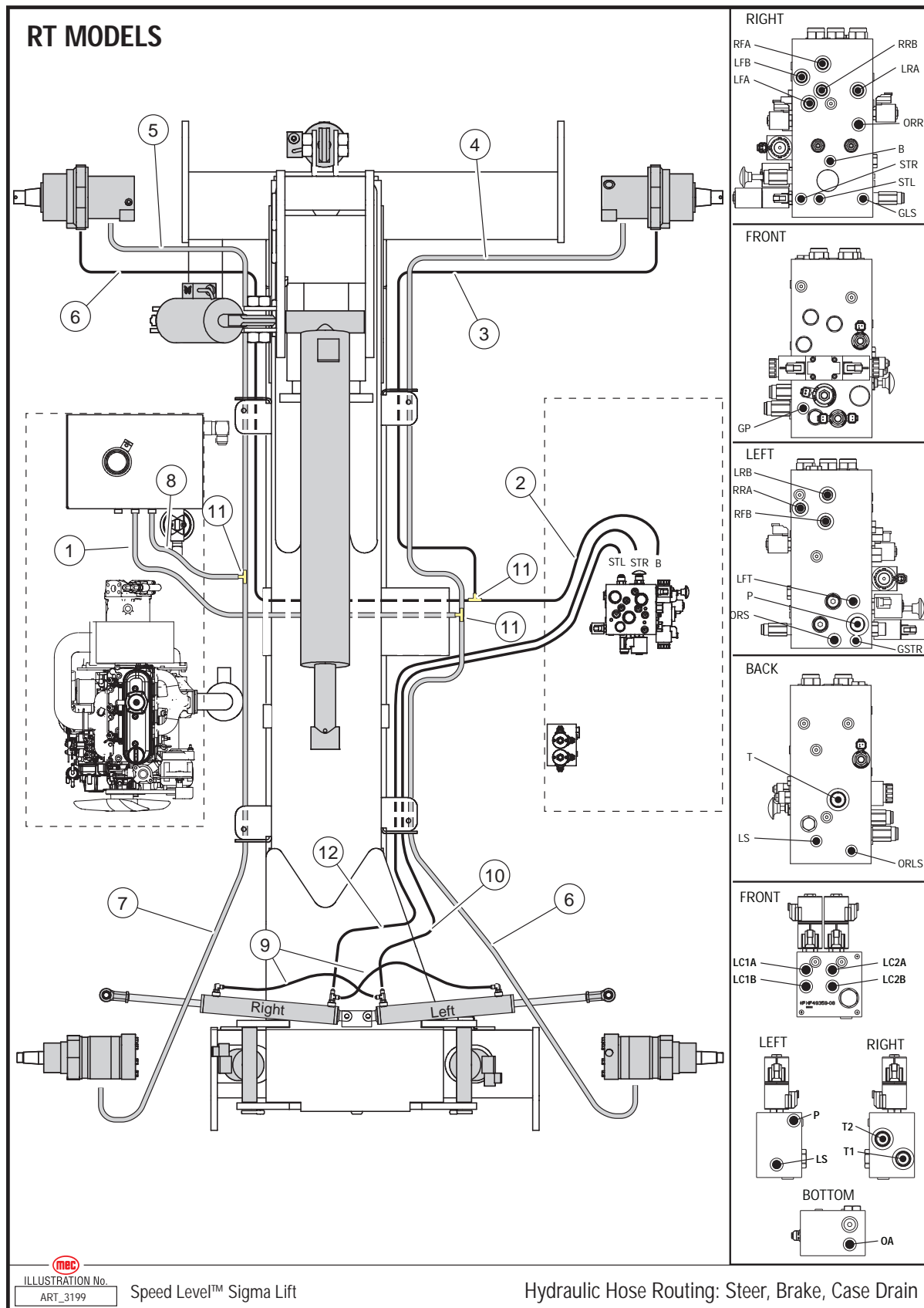
3084RT - From Serial # 11800400 / 3084ES - From Serial # 11700089



Item	Part Number	Description	Qty.
1	94070	Valve, 4 Way/3 Pos Solenoid Operated, WK08J-01-C-N-0 HYDAC 2610215	1
2	94082	Coil 12DN-32-1329 HYDAC 2610149	1
3	94083	Coil 12DN-40-1836 HYDAC 3012600	2
4	94087	Valve 3W2P SO WK06C-01-C-N-0 HYDAC 2610183	1
5	94452	XX92 Main Manifold (Alt For 17950) HYDAC 7510113	1
6	94754	Line Body -08SIZE 4 Way SAE#6 Ports FH084-AS6 HYDAC 3011404	1
7	94760	Line Body -06SIZE 3 Way SAE#4 Ports FH063-AS4 HYDAC 2600492	1

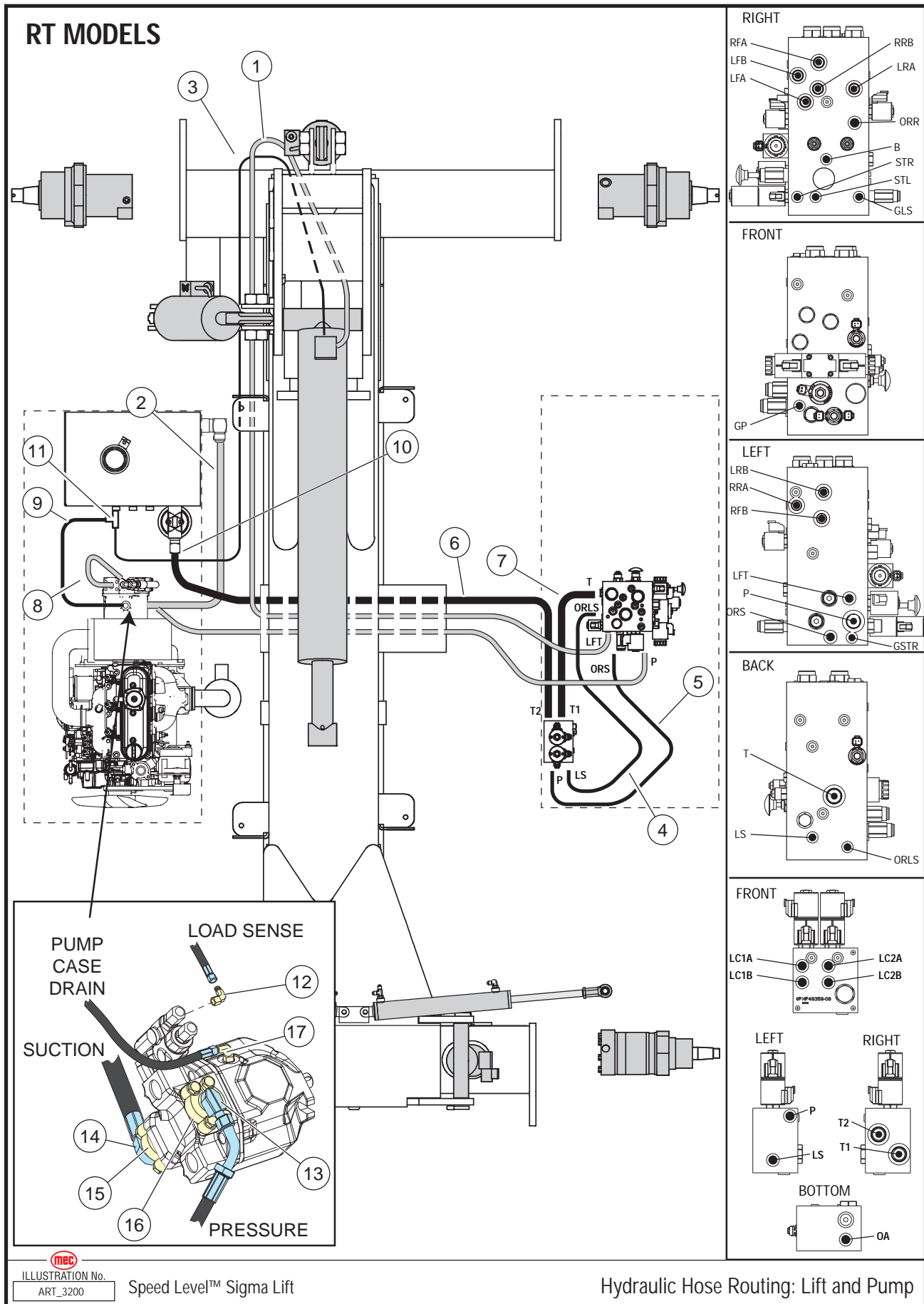
Hydraulic Hose Routing, RT Models: Steer, Brake, Case Drain Early Style

2684RT - From Serial # 12800107 / 2684ES - From Serial # 12700041
3084RT - From Serial # 11800400 / 3084ES - From Serial # 11700089



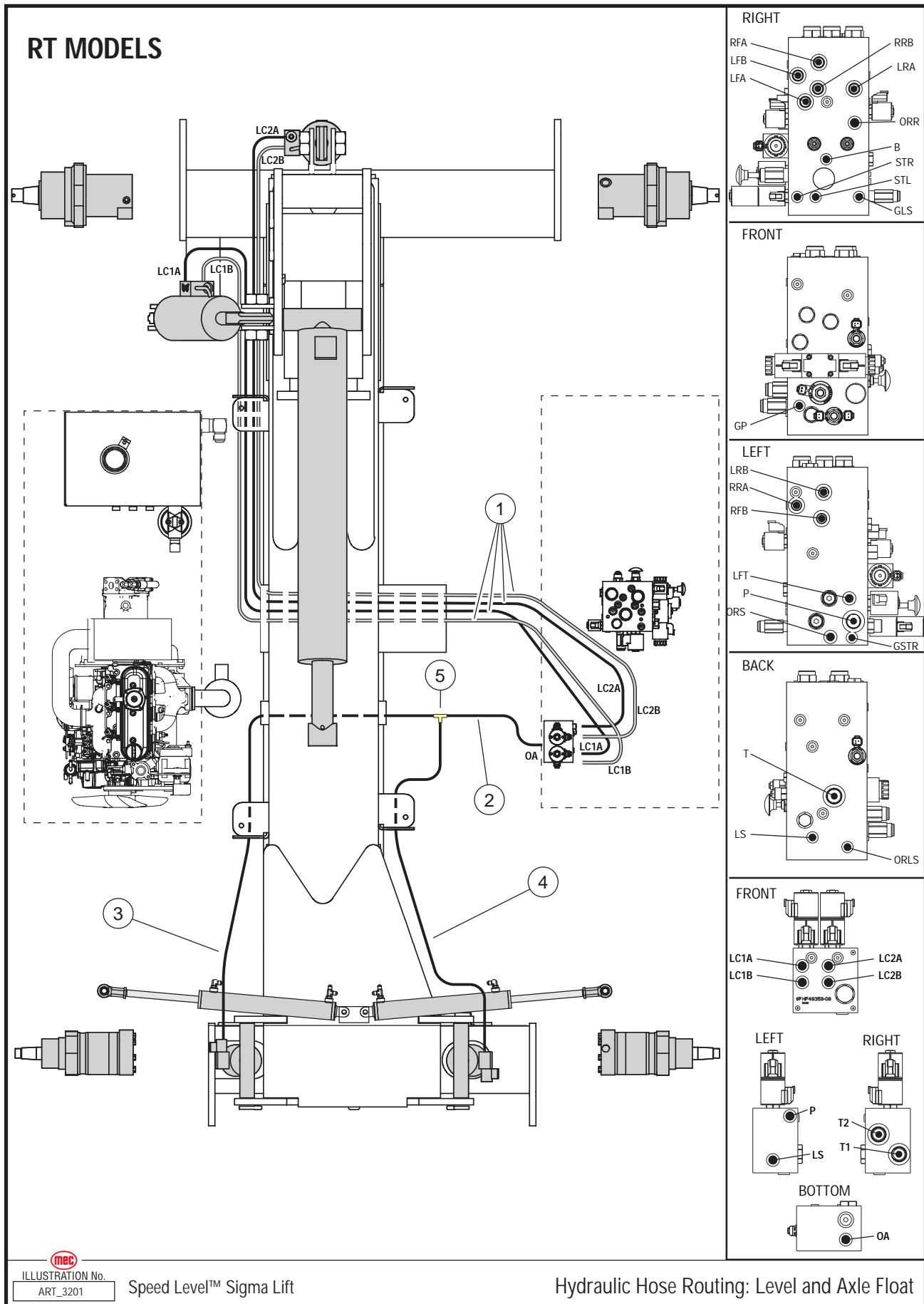
Item	Part Number	Description	Qty.
1	19340	Hose Assy, 1/4" x 65", 4G4FJX-4G4FJX	1
2	19358	Hose Assy, 1/4" x 15", 4G4FJX-4G4FJX90S	1
3	19359	Hose Assy, 1/4" x 86", 4G4FJX-4G4FJX90S	1
4	19361	Hose Assy, 1/4" x 73", 4G4FJX-4G4FJX90S	1
5	19362	Hose Assy, 1/4" x 52", 4G4FJX-4G4FJX90S	1
6	19363	Hose Assy, 1/4" x 89", 4G4FJX-4G4FJX	2
7	19364	Hose Assy, 1/4" x 77", 4G4FJX-4G4FJX	1
8	19365	Hose Assy, 1/4" x 38", 4G4FJX-4G4FJX	1
9	90316	Hose Assy, 1/4" x 21", 4G4FJX-4G4FJX	2
10	19364	Hose, LT Steer Cyl, 1/4" x 77", 4G4FJX-4G4FJX	1
11	50927	Tee, MJT-04	3
12	19359	Hose, Rt Steer Cyl, 1/4" x 86", 4G4FJX-4G4FJX90S	1

Hydraulic Hose Routing, RT Models: Lift, Pump



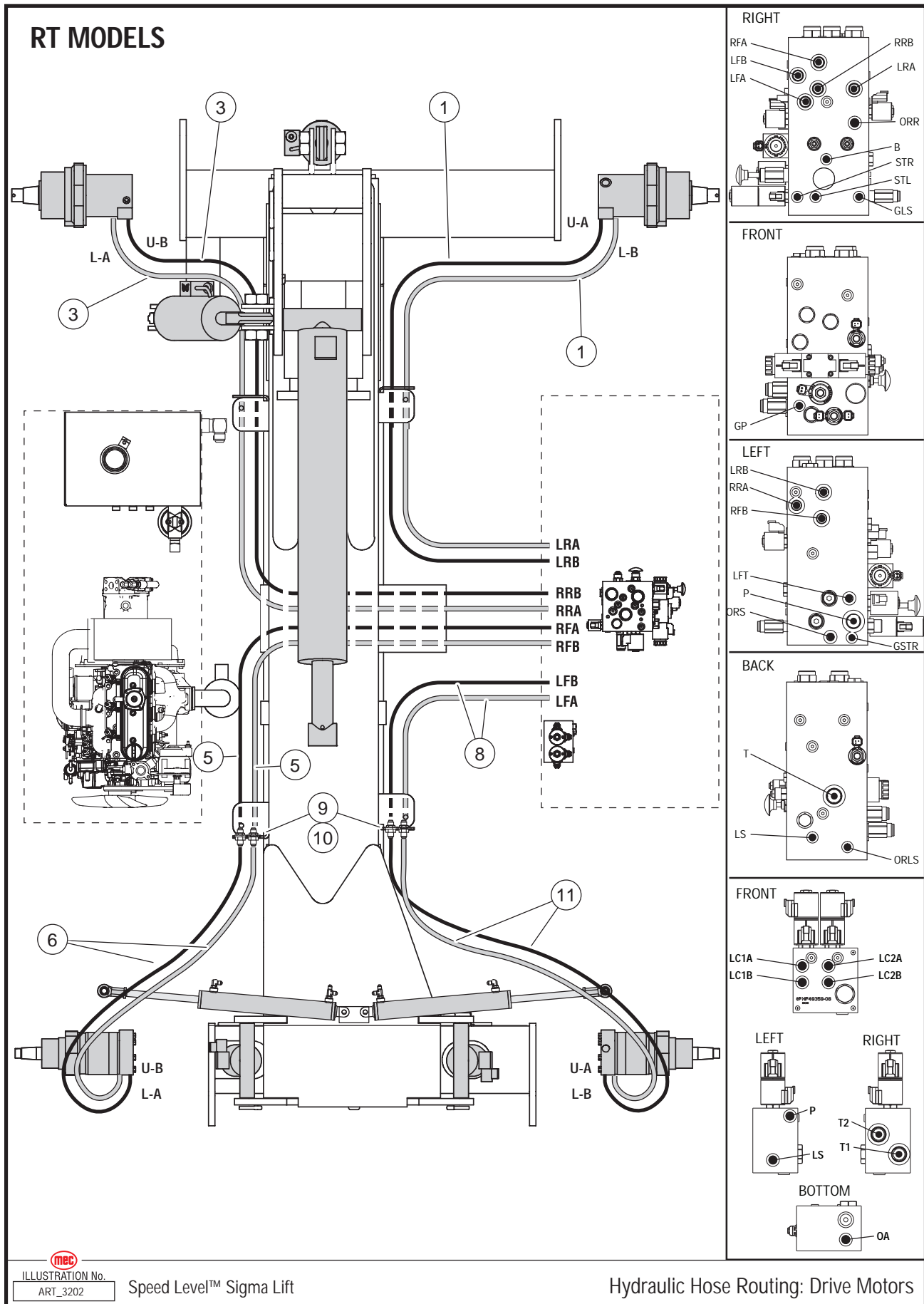
Item	Part Number	Description	Qty.
1	19341	Hose Assy, 3/8" x 132", 6G6FJX90S-6G6FJX	1
2	91265	Hose Assy, 1" x 22", 16G16FJX-16G16FJX	1
3	19342	Hose Assy, 3/8" x 118", 6G6FJX-6G6FJX	1
4	19369	Hose Assy, 1/4" x 28", 4G4FJX-4G4FJX45	1
5	19370	Hose Assy, 1/4" x 33", 4G4FJX-4G4FJX90S	1
6	19343	Hose Assy, 3/4" x 90", 12G12FJX-12G12FJX90S	1
7	19347	Hose Assy, 3/4" x 21", 12G12FJX-12G12FJX90S	1
8	91423	Hose Assy, 3/4" X 82", 12M3K-12FJX-12FJX45	1
9	90276	Hose Assy, 1/4" X 24", 4G1-4FJX-6FJX-24	1
10	50916	Fitting, MP-MJ 90	2
11	50892	Tee, MJ-FJX-MJT-4	1
12	50665	Fitting, MB-MJ-90-4-4	1
13	91163	Adapter 3/4" Flange, Male 1" JIC 90	1
14	HDW91176	Adapter 1" Flange, Male 1" JIC	1
15	91161	Flange Kit #16	1
16	91162	Flange Kit #12	1
17	50660	Fitting, MB-MJ-90-6-4	1

Hydraulic Hose Routing, RT Models: Platform Level, Axle Float



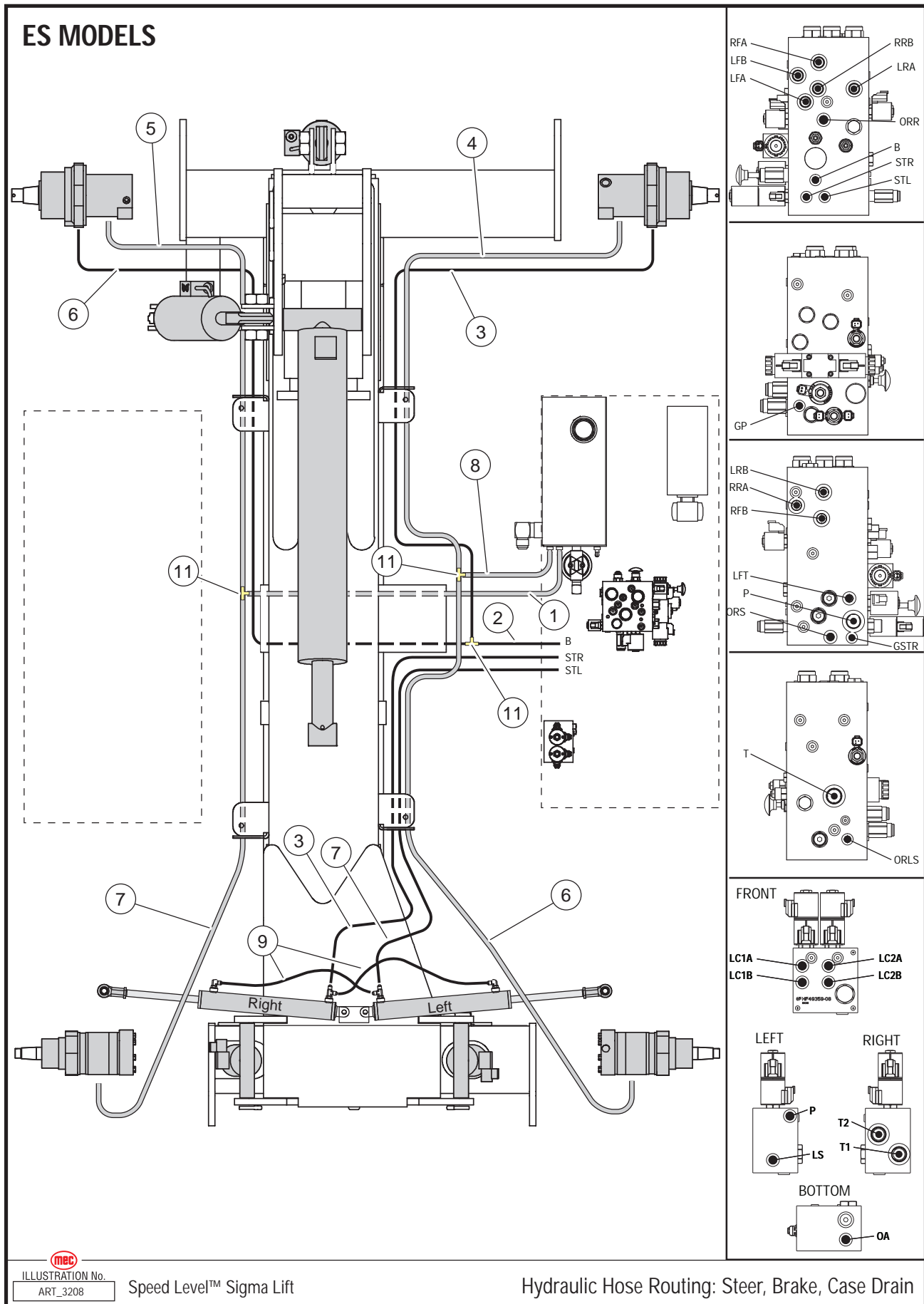
Item	Part Number	Description	Qty.
1	19349	Hose Assy, 1/4" x 120", 4G4FJX-4G4FJX	4
2	90316	Hose Assy, 1/4" x 21", 4G4FJX-4G4FJX	1
3	19361	Hose Assy, 1/4" x 73", 4G4FJX-4G4FJX90S	1
4	19340	Hose Assy, 1/4" x 65", 4G4FJX-4G4FJX	1
5	50927	Tee, MJT-4	1

Hydraulic Hose Routing, RT Models: Drive Motors



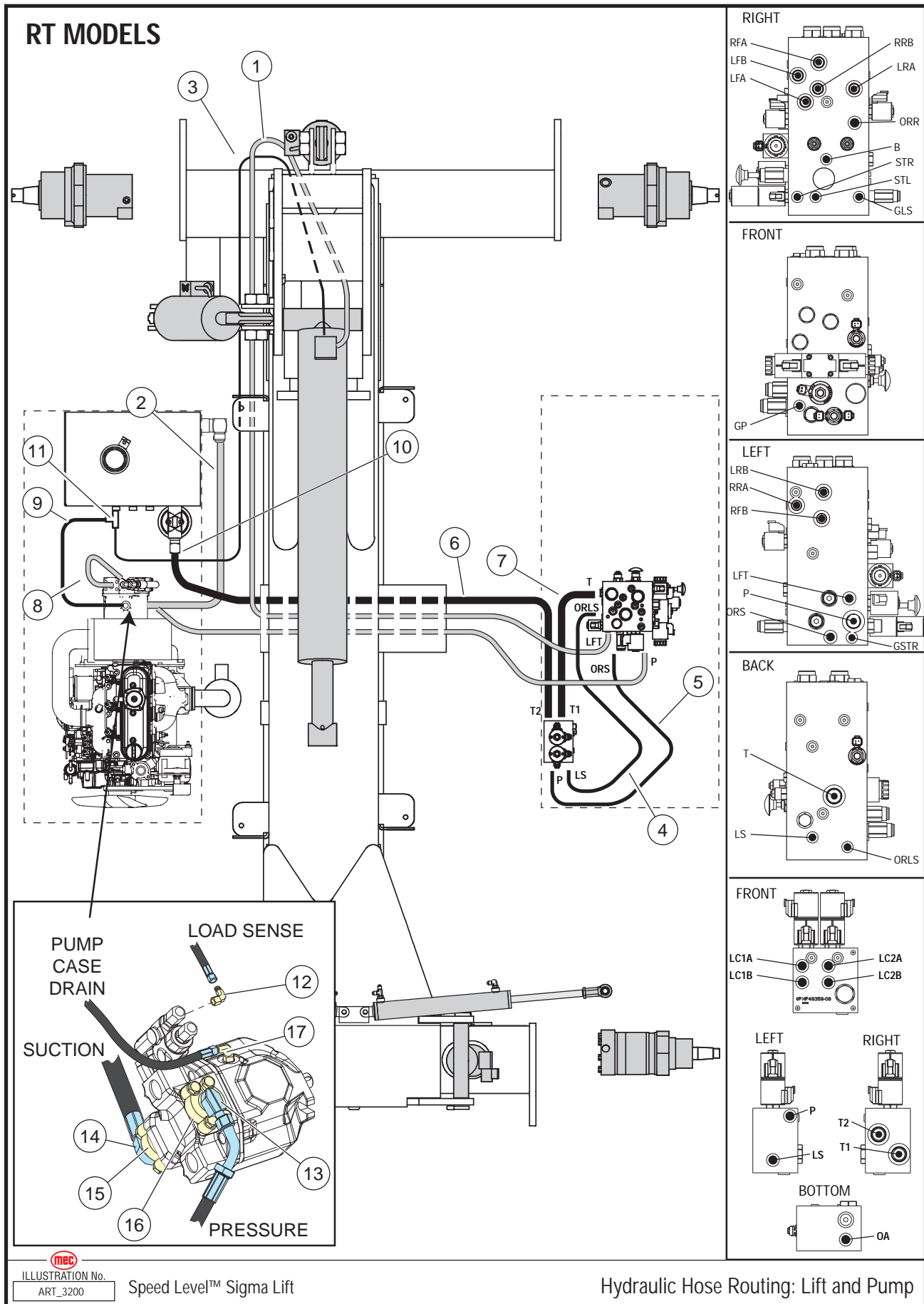
Item	Part Number	Description	Qty.
1	19355	Hose Assy, 1/2" x 49", 8M3K-8FJX-8FJX45	2
2	--	--	--
3	19357	Hose Assy, 1/2" x 102", 8M3K-8FJX-8FJX45	2
4	--	--	--
5	19353	Hose Assy, 1/2" x 61", 8M3K-8FJX-8FJX	2
6	19352	Hose Assy, 1/2" x 37", 8M3K-8FJX-8FJX90S	2
7	--	--	--
8	19354	Hose Assy, 1/2" x 44", 8M3K-8FJX-8FJX	2
9	50904	Adapter, Male 1/2" JIC-1/2" JIC Bulkhead MJ-MJH-8-8	4
10	91193	Jamnut, 3/4-16	4
11	19350	Hose Assy, 58"	2

Hydraulic Hose Routing, ES Models: Steer, Brake, Case Drain



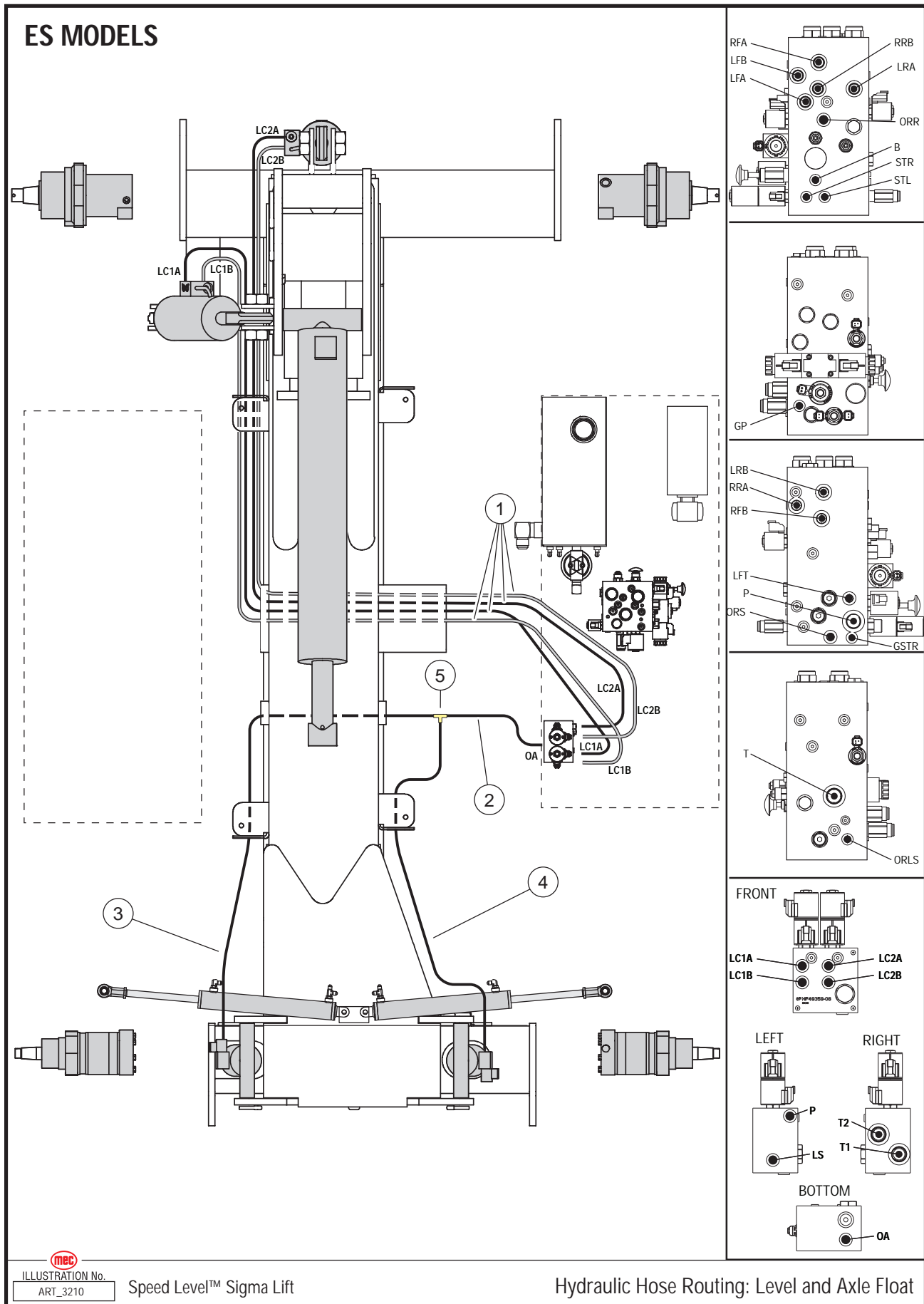
Item	Part Number	Description	Qty.
1	19340	Hose Assy, 1/4" x 65", 4G4FJX-4G4FJX	1
2	19358	Hose Assy, 1/4" x 15", 4G4FJX-4G4FJX90S	1
3	19359	Hose Assy, 1/4" x 86", 4G4FJX-4G4FJX90S	2
4	19361	Hose Assy, 1/4" x 73", 4G4FJX-4G4FJX90S	1
5	19362	Hose Assy, 1/4" x 52", 4G4FJX-4G4FJX90S	1
6	19363	Hose Assy, 1/4" x 89", 4G4FJX-4G4FJX	2
7	19364	Hose Assy, 1/4" x 77", 4G4FJX-4G4FJX	1
8	19365	Hose Assy, 1/4" x 38", 4G4FJX-4G4FJX	1
9	90316	Hose Assy, 1/4" x 21", 4G4FJX-4G4FJX	2
10	--	--	--
11	50927	Tee, MJT-04	3

Hydraulic Hose Routing, ES Models: Lift, Pump



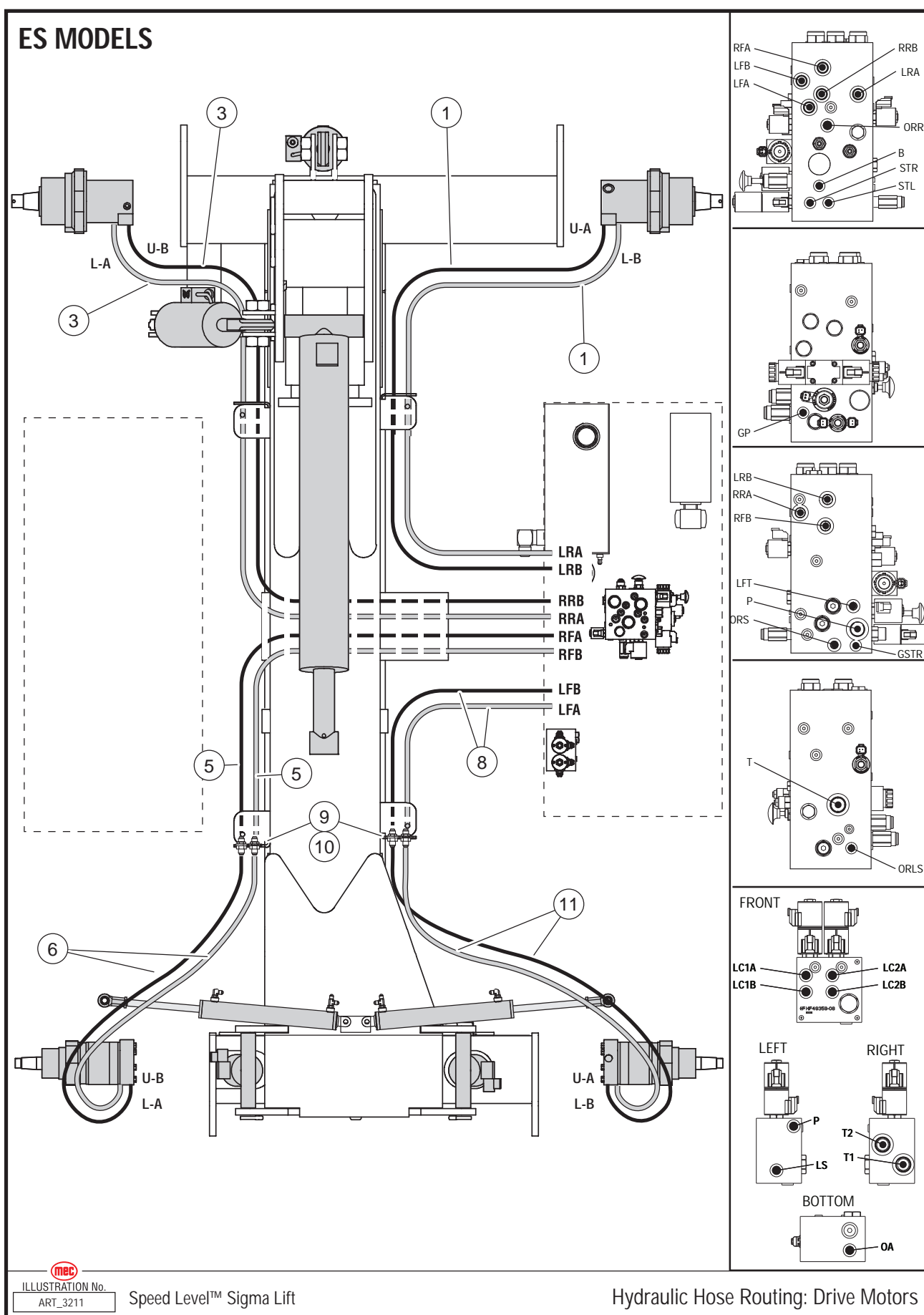
Item	Part Number	Description	Qty.
1	19341	Hose Assy, 3/8" x 132", 6G6FJ90X - 6G6FJX	1
2	91698	Hose Assy, 3/4" x 35", 12G12FJX - 12G12FJX	1
3	91909	Hose Assy, 3/8" x 150", 6G6FJX - 6G6FJX	1
4	91879	Hose Assy, 3/4" x 16", 12G12FJX - 12G12FJX	1
5	19347	Hose Assy, 3/4" x 21", 12G12FJX - 12G12FJX90S	1
6	90315	Hose Assy, 1/2" x 21", 8G8FJX - 8G8FJX90S	1
7	19369	Hose Assy, 1/4" x 28", 4G4FJX - 4G4FJX45	1
8	19370	Hose Assy, 1/4" x 33", 4G4FJX - 4G4FJX90S	1
9	50665	Fitting, 90°, MB - MJ90 - 04 - 04	2
10	50906	Fitting, MJ - MP - 12 - 12	1
11	50892	Tee, MJFJX - MJT - 4	1
12	50907	Fitting, MJ - MP - 12 - 20	1

Hydraulic Hose Routing, ES Models: Platform Level, Axle Float



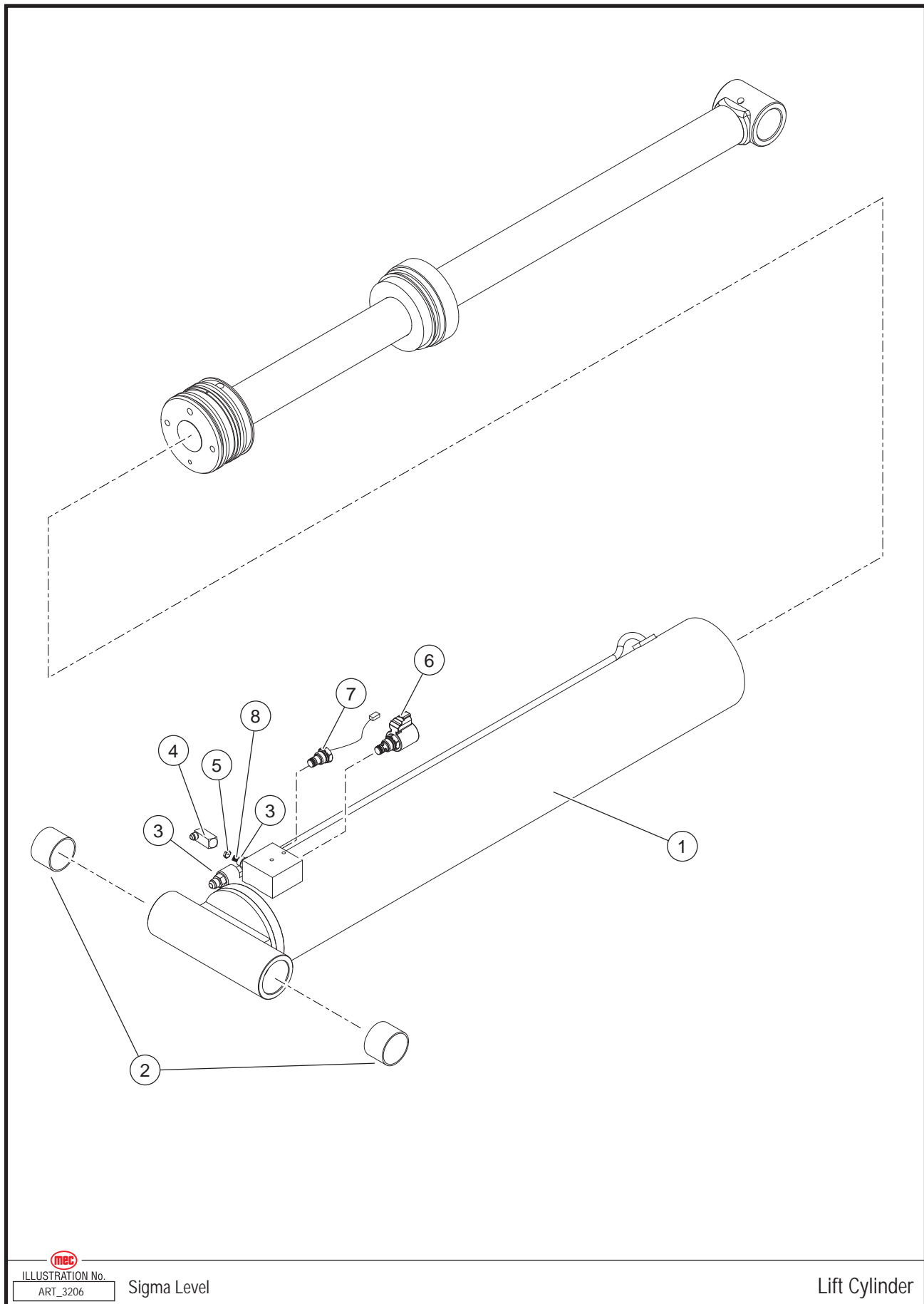
Item	Part Number	Description	Qty.
1	19349	Hose Assy, 1/4" x 120", 4G4FJX-4G4FJX	4
2	90316	Hose Assy, 1/4" x 21", 4G4FJX-4G4FJX	1
3	19361	Hose Assy, 1/4" x 73", 4G4FJX-4G4FJX90S	1
4	19340	Hose Assy, 1/4" x 65", 4G4FJX-4G4FJX	1
5	50927	Tee, MJT-4	1

Hydraulic Hose Routing, ES Models: Drive Motors



Item	Part Number	Description	Qty.
1	19355	Hose Assy, 1/2" x 49", 8M3K-8FJX-8FJX45	2
2	--	--	--
3	19357	Hose Assy, 1/2" x 102", 8M3K-8FJX-8FJX45	2
4	--	--	--
5	19353	Hose Assy, 1/2" x 61", 8M3K-8FJX-8FJX	2
6	19352	Hose Assy, 1/2" x 37", 8M3K-8FJX-8FJX90S	2
7	--	--	--
8	19354	Hose Assy, 1/2" x 44", 8M3K-8FJX-8FJX	2
9	50904	Adapter, Male 1/2" JIC-1/2" JIC Bulkhead MJ-MJH-8-8	4
10	91193	Jamnut, 3/4-16	4
11	19350	Hose Assy, 58"	2

Lift Cylinder



Item	Part Number	Description	Qty.
1	19084	Lift Cylinder	1
--	92077	Seal Kit	--
2	6669	Bearing	4
3	50776	Fitting, MB-MJ-6-6	2
4	50890	Fitting, MJ-FJX-90-6-6	1
5	91732	Orifice	1
6	91464	Valve, 2-Way, NC	1
	91141	Coil, 12V	1
7	90845	Pressure Sensor (CE Only)	1
8		Spring, Orifice	1

Steering Cylinder

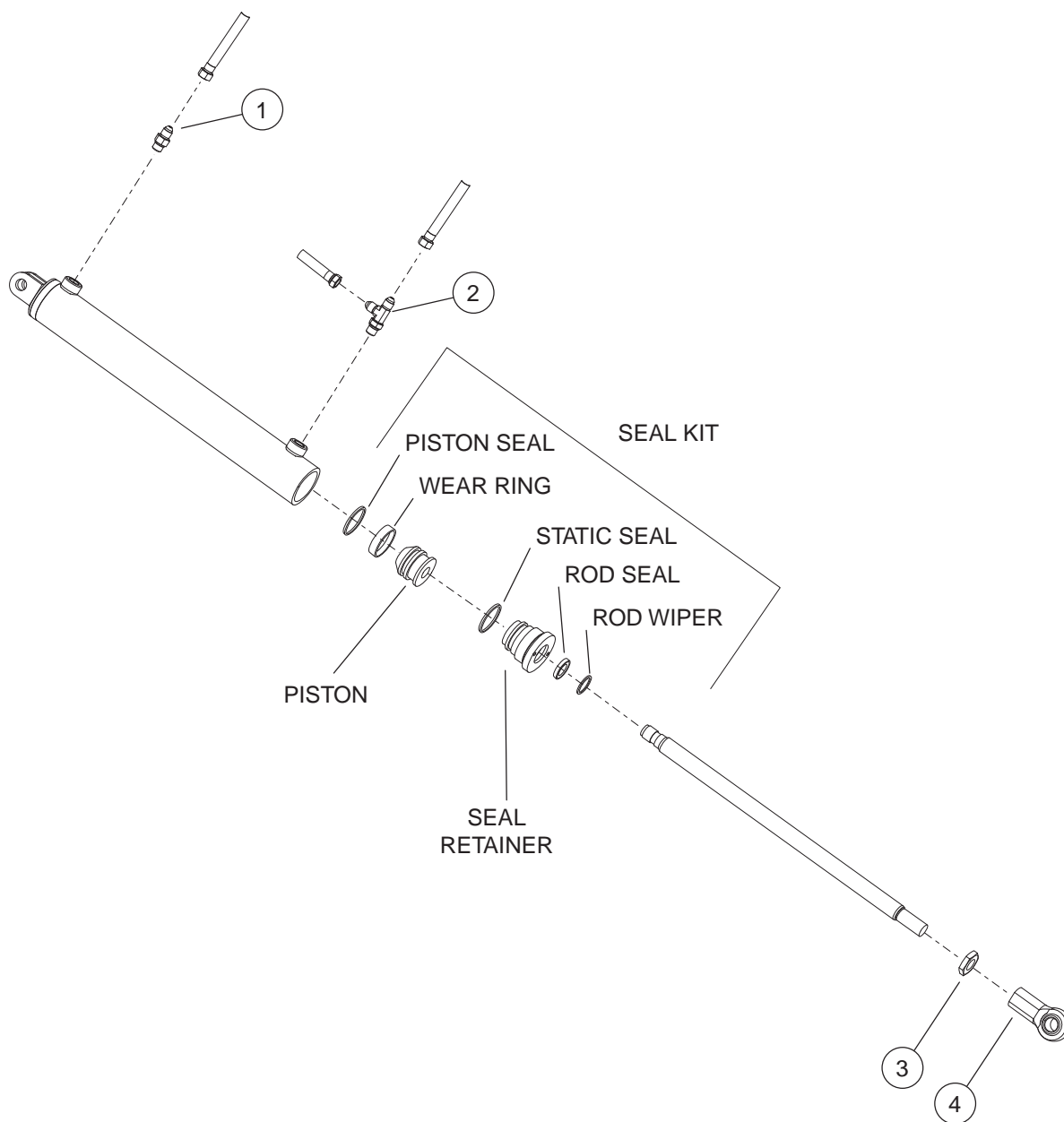


ILLUSTRATION No.
ART_2713

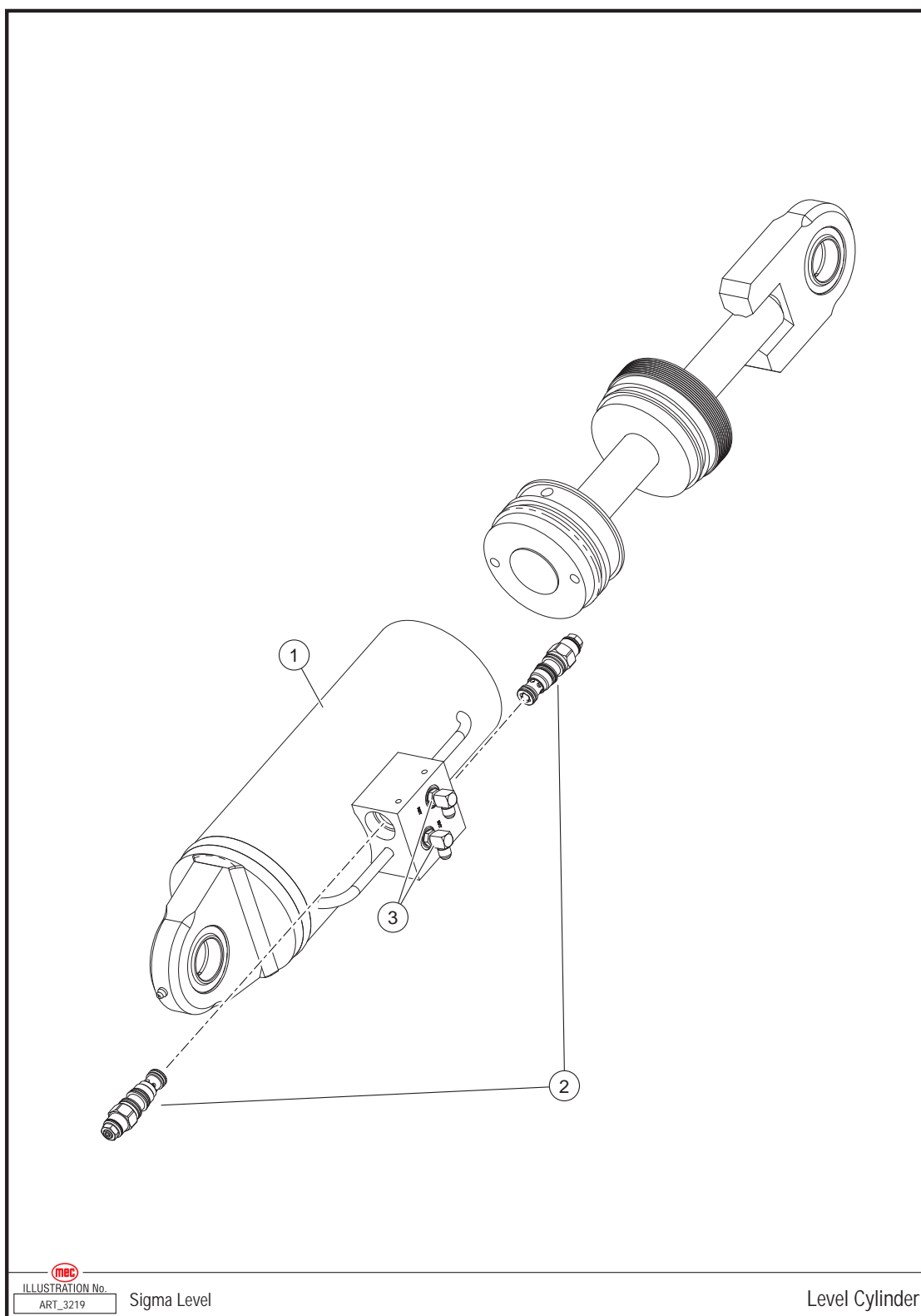
91019 Steering Cylinder

X72 Steering Cylinder



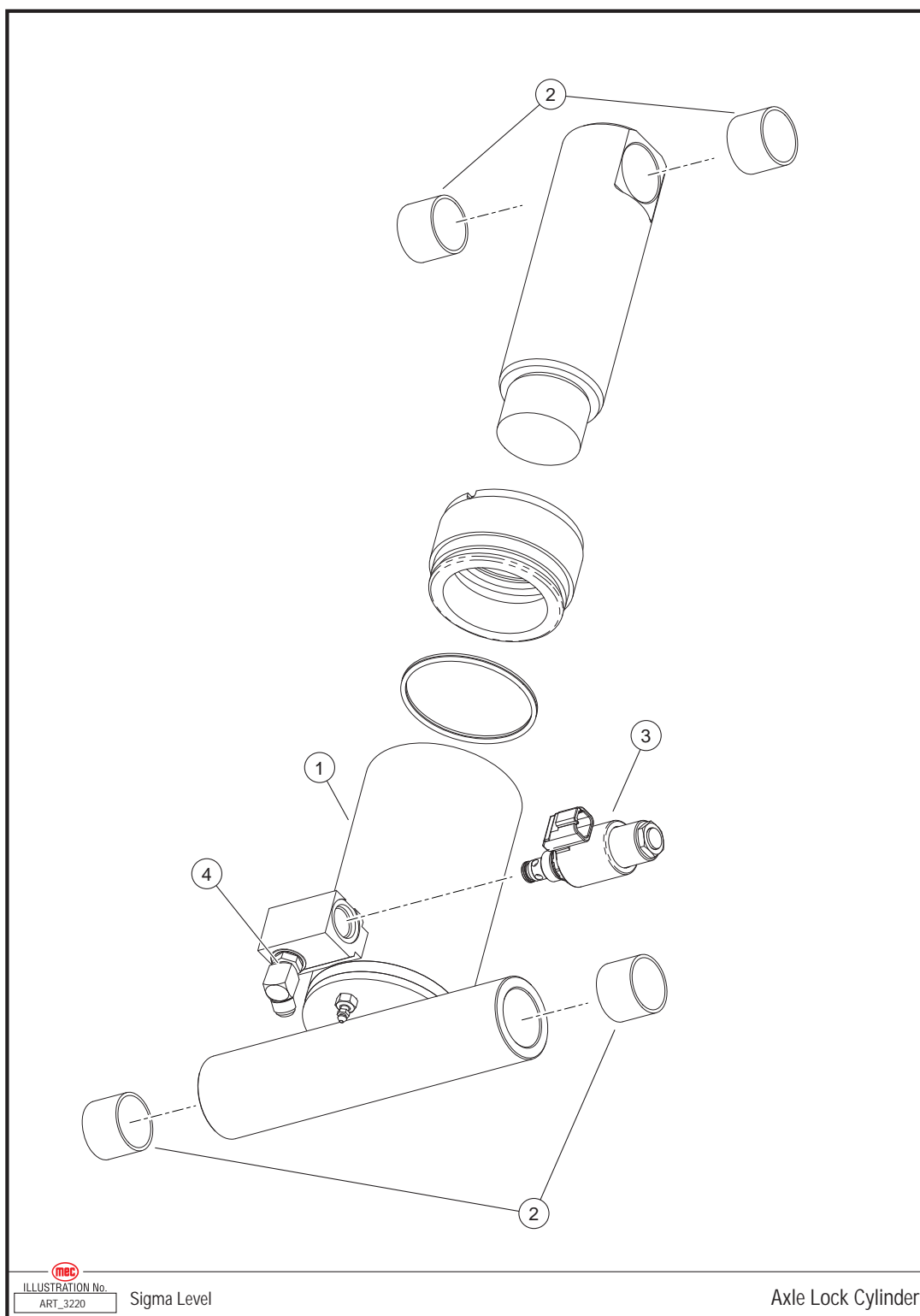
Item	Part Number	Description	Qty.
--	91019	Steering Cylinder	2
--	90990	Seal Kit (Service)	--
1	50769	Adapter Male ¼" O-Ring-Male ¼" JIC	1
2	50962	Tee, MJ-MB-MJT-4	1
3	HDW5925	Jamnut 5/8-18	1
4	7293	Rod End	1
5	50665	Fitting, 90, MJ-FJX90-4-4	2

Level Cylinder



Item	Part Number	Description	Qty.
1	19081	Level Cylinder	2
--	92078	Seal Kit (Service)	--
2	92125	Counterbalance Valve	4
3	50665	Fitting, MB-MJ90-4-4	4

Axle Lock Cylinder



Item	Part Number	Description	Qty.
1	19087	Axle Lock Cylinder	2
--	92079	Seal Kit (Service)	--
2	7896	Bearing	4
3	92192	Valve	1
4	50665	Fitting, MB-MJ90-4-4	2

Module Installation

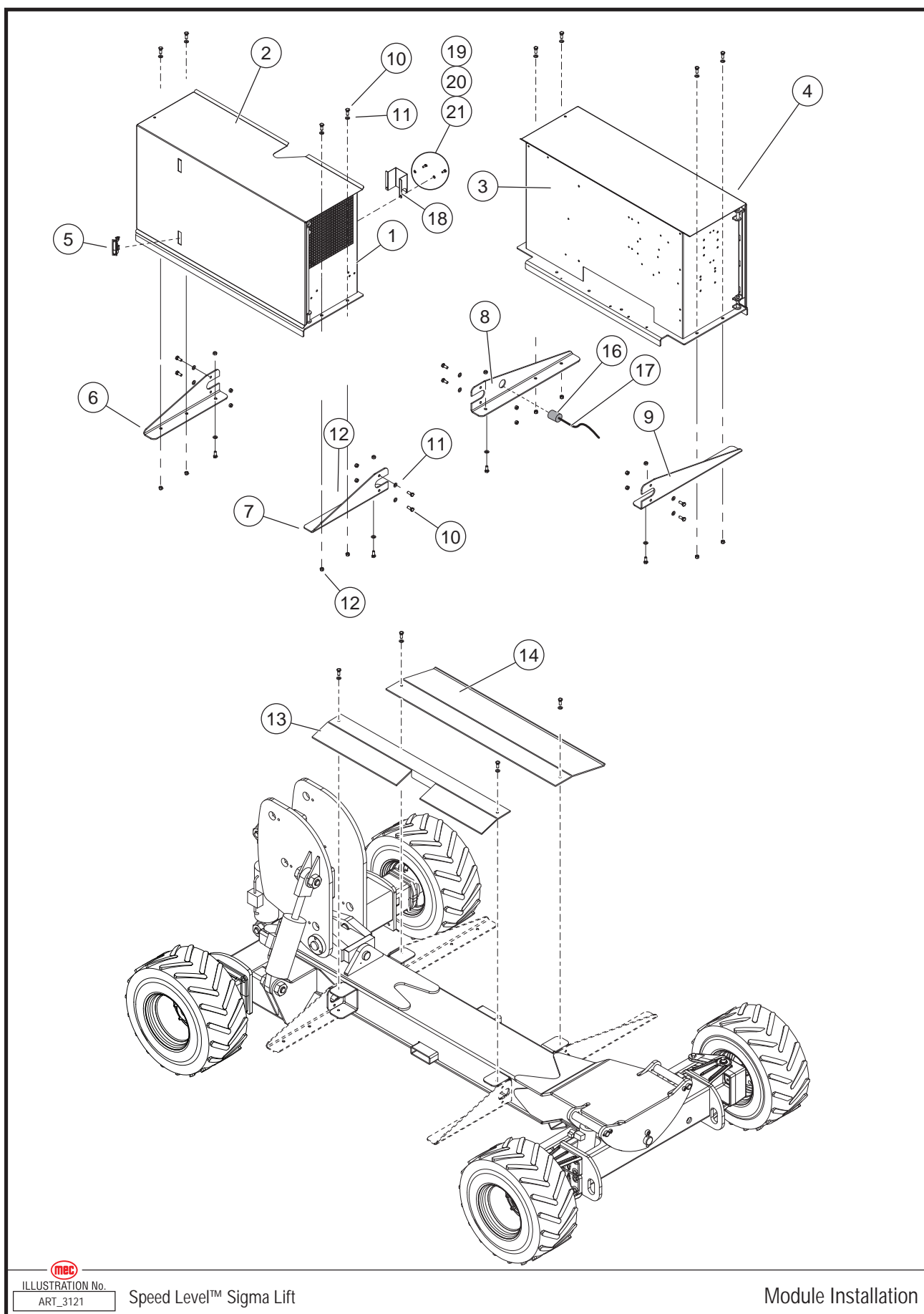


ILLUSTRATION No.
ART_3121

Speed Level™ Sigma Lift

Module Installation

Item	Part Number	Description	Qty.
1	16978	Power Module Weldment, ES	1
	16213	Power Module Weldment, RT	1
2	16984	Power Module Door, ES	1
	16220	Power Module Door, RT	1
3	16989	Control Module, ES	1
	16153	Control Module, RT	1
4	16985	Control Module Door, ES	1
	16156	Control Module Door, RT	1
5	8386	Door Latch Trigger	1
6	19106	Module Bracket, Right Front	1
7	19105	Module Bracket, Right Rear	1
8	19104	Module Bracket, Left Rear	1
9	19103	Module Bracket, Left Front	1
10	50039	Bolt, M12 x 30	24
11	50003	Washer, M12	24
12	50050	Nut, M12 Nylock	24
13	19155	Hose Cover, Right Side	1
14	19154	Hose Cover, Left Side	1
15	19159	RT Models -- Exhaust Cover	1
16	90749	Plug, Marinco 15 Amp	1
17	REF	Cable, Power To Platform, 14G -- See "Wire Harness" Pages At The End Of Section 6	--
18	19159	Exhaust Shroud	
19	50289	HHCS M06-1.00 X 40MM ZP	1
20	50000	Washer M06 ZP Standard Flat	1
21	50047	NNYL M06 X 1.00 08 ZP Nylock	1

REF - Reference

2684ES To Serial #12700029 - 3084ES To Serial #11700042



Item	Part Number	Description	Qty.
1	REF	Control Module Weldment -- See "Module Installation" On Page 75	--
2	16154	Bracket, Cross Support	1
3	14896	Block, Slide, Door	4
4	25429	Pad	2
5	16226	Bracket, Control Box	2
6	90749	Plug, Battery Charger Connection	1
7	16229	Bracket, Battery Disconnect	1
8	8841	Switch, Battery Disconnect	1
9	91658	Motor Controller	1
10	19276	Heat Sink	1
11	93173	Fuse	1
	93174	Base	1
12	91745	Contactor, Solenoid 48V, 12V Coil	1
13	8368	Diode	1
14	9370	Fluid Level Gauge	1
15	6121	Trim Lock	5 ft.
16	91633	Battery Charger	1
17	93093	Manifold, Leveling -- See Section 5 - Hydraulics	1
18	50237	Screw, Hex M8 x 100	3
19	50048	Nut, M8 Nylock	6
20	50028	Screw, Hex, M6 x 20	14
21	50068	Washer, M6 Fender	15
22	50047	Nut, M6 Nylock	14
23	50150	Screw, 5/16-18 x ¾, GR5	4
24	HDW9200	Plug, ¼ NPT	1
25	HDW7778	Screw, FPH MS 1/4-20 x 12	2
26	HDW8267	Nut, Top Lk 1/4-20 GR C	2
27	50282	Screw, Hex, M8 x 35	2
28	50061	Washer, 5/16 Flat	4

REF - Reference

Control Module – ES, Drawing 2 of 2

2684ES To Serial #12700029 - 3084ES To Serial #11700042

ES MODELS

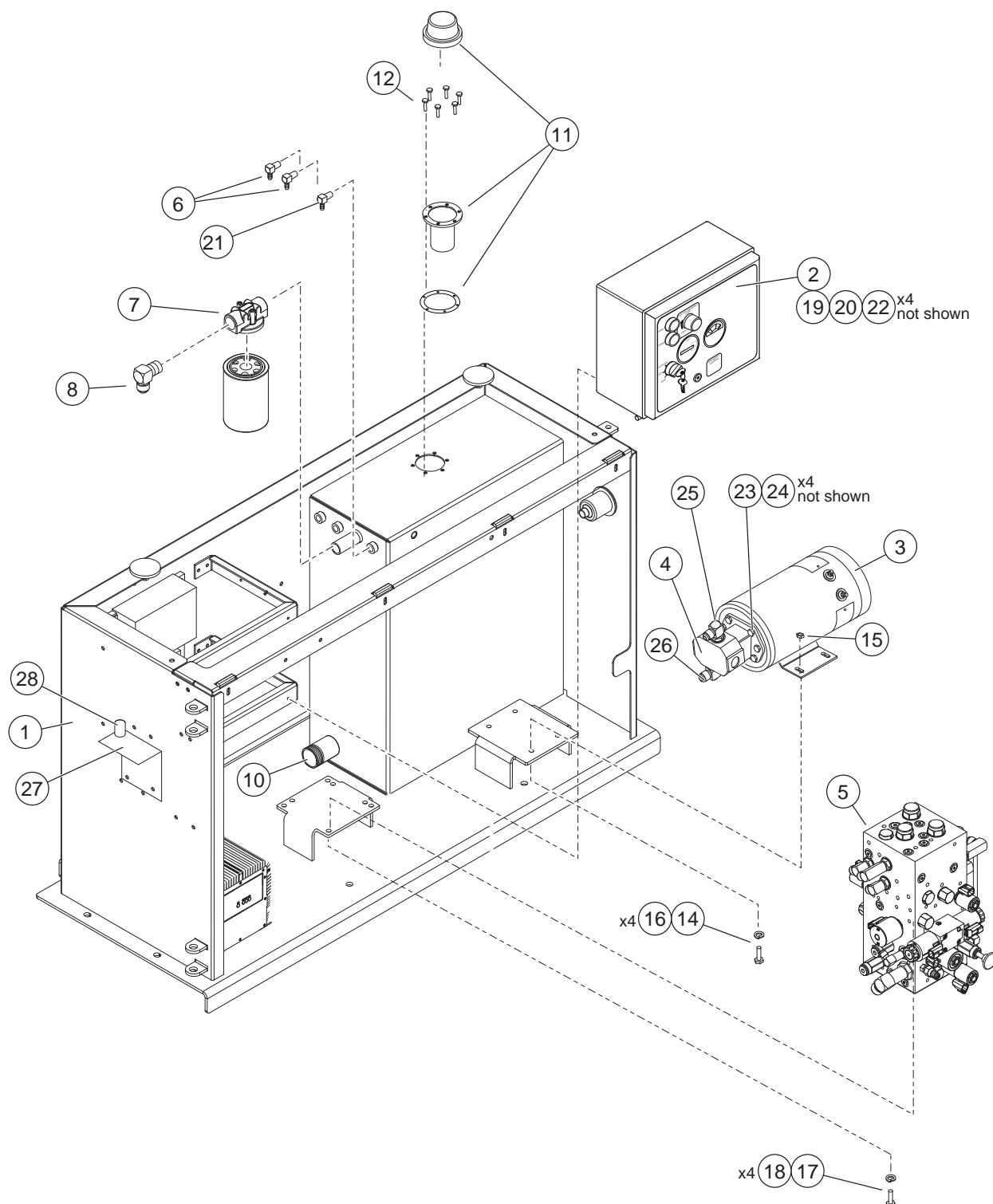


ILLUSTRATION No.
ART_3123

Speed Level™ Sigma Lift

Control Module, Drawing 2 of 2

Item	Part Number	Description	Qty.
1	REF	Control Module Weldment	--
2	83077	Control Box -- See Section 1 - Controls	1
3	91640	Electric Motor	1
4	91673	Pump, 10CC	1
5	83072	Hydraulic Manifold -- See Section 5 - Hydraulics	1
6	HDW6727	Fitting, MP-MJ-4-4 90	2
7	6714	Filter Head	1
8	50916	Elbow, 90° ¾ NPT – ¾ JIC	1
9	6156	Filter Cartridge	1
10	50650	Nipple, MJ-MP-12-20	1
11	9367	Filler/Strainer	1
12	50143	Bolt, 32 x 1.57	6
13	--	--	--
14	50031	Screw, Hex, M8 x 25	4
15	50048	Nut, M8 Nylock	4
16	5000	Washer, M8	4
17	50147	Screw, 3/8 x 1	4
18	HDW7783	Lock Washer, 3/8	4
19	50214	Screw, M6 x 30	4
20	50047	Nut, M6 Nylock	4
21	50919	Fitting, MP-MJ-4-6 90	1
22	50068	Washer, M6 Fender	4
23	50188	Screw, Hex Fine Thread 3/8-24 x 1.5	4
24	50062	Washer, 3/8	4
25	50762	Fitting, MB-MJ-10-8 90	1
26	50763	Fitting, MB-MJ-12-12 90	1
27	40439	Beacon Bracket (Old Cabinets Only)	1
28	90164	Beacon	1

REF - Reference

Power Module – ES

2684ES To Serial #12700029 - 3084ES To Serial #11700042

ES MODELS

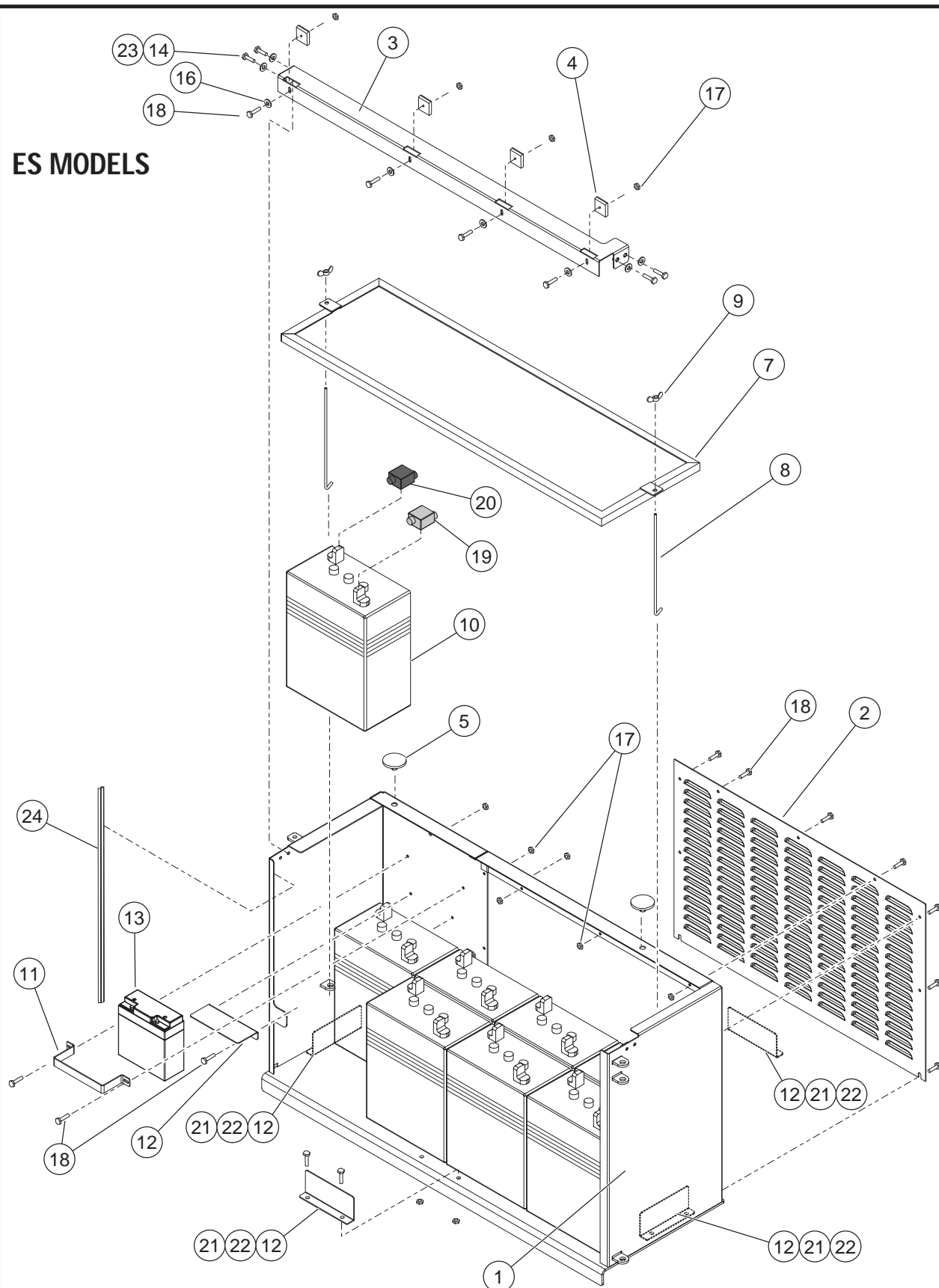


ILLUSTRATION No. 3072ES - 3772ES - Sigma Level, ES
ART_2719

Power Module

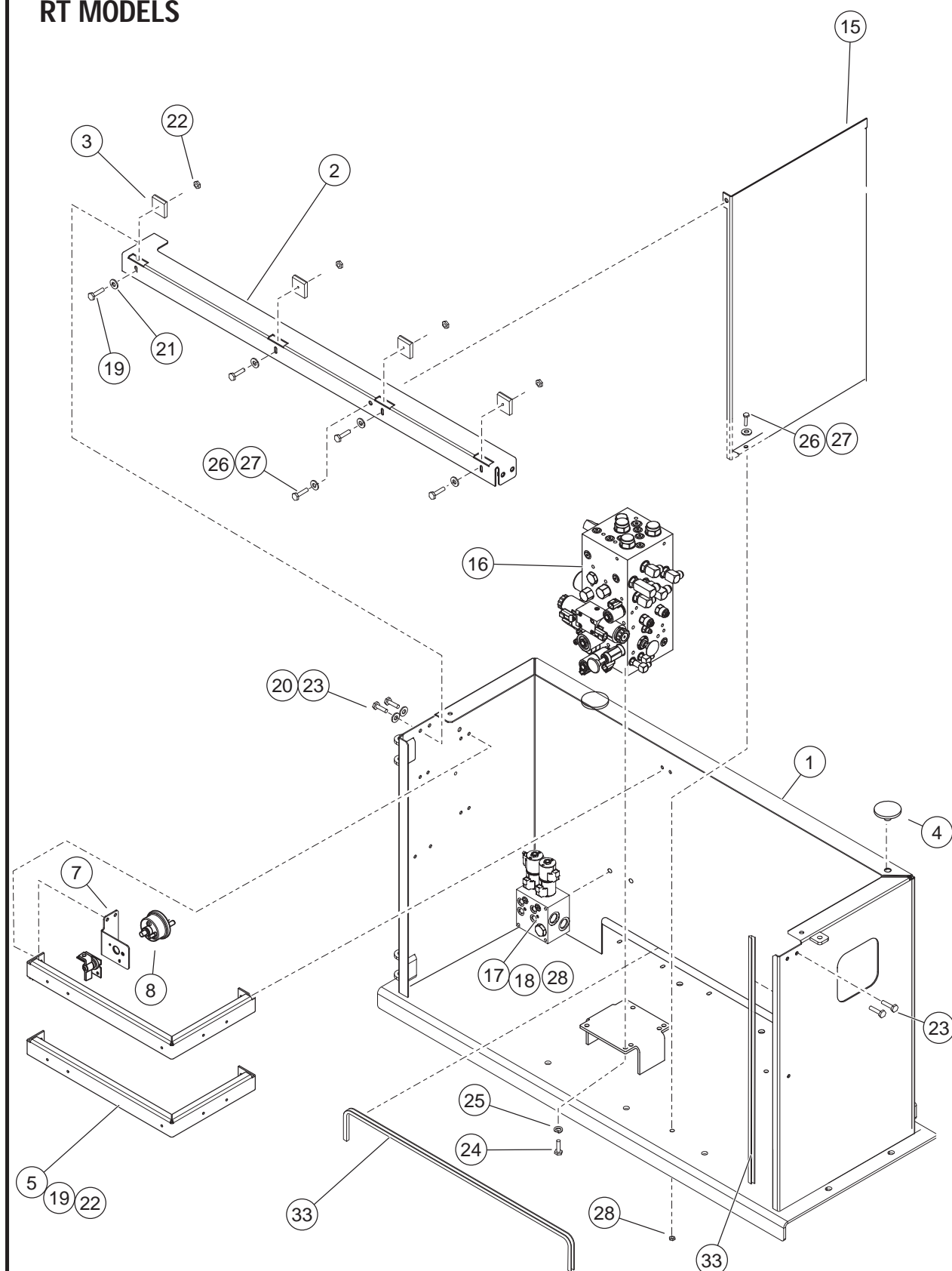
Item	Part Number	Description	Qty.
1	REF	Weldment, Battery Module -- See "Module Installation" On Page 75	--
2	16974	Panel, Battery Module	1
3	16977	Crossbar, Battery Module	1
4	14896	Block, Slide, Door	4
5	25429	Pad	2
6	--	--	--
7	16983	Battery Holddown	1
8	2987	Holddown Rod	2
9	6110	Wingnut	2
10	91641	Battery, 375 AH, UL16	8
11	16619	Bracket, Battery	1
12	16620	Shelf, Battery	5
13	90898	Battery, 12VDC / 17-18 AH	1
14	HDW5724	Screw, 5/16-18, 3/4" LG, GR 5	4
15	--	--	--
16	50068	Washer, M6 Fender	17
17	50047	Nut, M6 Nylock	17
18	50028	Screw, Hex, M6 x 20	18
19	91790	Battery Boot, Red, Positive	8
20	91790	Battery Boot, Black, Negative	8
21	91789	Screw, Hex, M8 x 20	4
22	50030	Nut, M8 Nylock	4
23	50061	Washer, 5/16 Flat	4
24	6121	Trim Lock, 1/4"	26

REF - Reference

Control Module RT, Drawing 1 of 2

2684RT To Serial #12800038 - 3084RT To Serial #11800078

RT MODELS



mec
ILLUSTRATION No.
ART_3077

Speed Level™ Sigma Lift

Control Module, Drawing 1 of 2

Item	Part Number	Description	Qty.
1	REF	Control Module Weldment -- See "Module Installation" On Page 75	--
2	16154	Bracket, Cross Support	1
3	14896	Block, Slide, Door	4
4	25429	Pad	2
5	16226	Bracket, Control Box	2
6	--	--	--
7	16229	Bracket, Battery Disconnect	1
8	8841	Switch, Battery Disconnect	1
9	--	--	--
10	--	--	--
11	--	--	--
12	--	--	--
13	--	--	--
14	--	--	--
15	16152	Bulkhead	1
16	83071	Hydraulic Manifold -- See Section 5 - Hydraulics	1
17	83093	Manifold, Leveling -- See Section 5 - Hydraulics	1
18	50237	Screw, Hex M8 x 100	3
19	50028	Screw, M6 x 20	8
20	50000	Washer, M6 Flat	4
21	50068	Washer, M6	8
22	50047	Nut, M6 x 1.0 Nylock	8
23	50150	Screw, 5/16-18 x ¾, GR5	4
24	50147	Screw, 3/8 x 1	4
25	HDW7783	Lock Washer, 3/8	4
26	50001	Washer, M8 Flat	5
27	50030	Screw, Hex M8 x 20	5
28	50048	Nut, M8 Nylock	5
29	50047	Nut, M6 Nylock	3
30	--	--	--
31	--	--	--
32	--	--	--
33	6121	Trim Lock	5 ft.

REF - Reference

Control Module, RT Drawing 2 of 2

2684RT To Serial #12800038 - 3084RT To Serial #11800078

RT MODELS

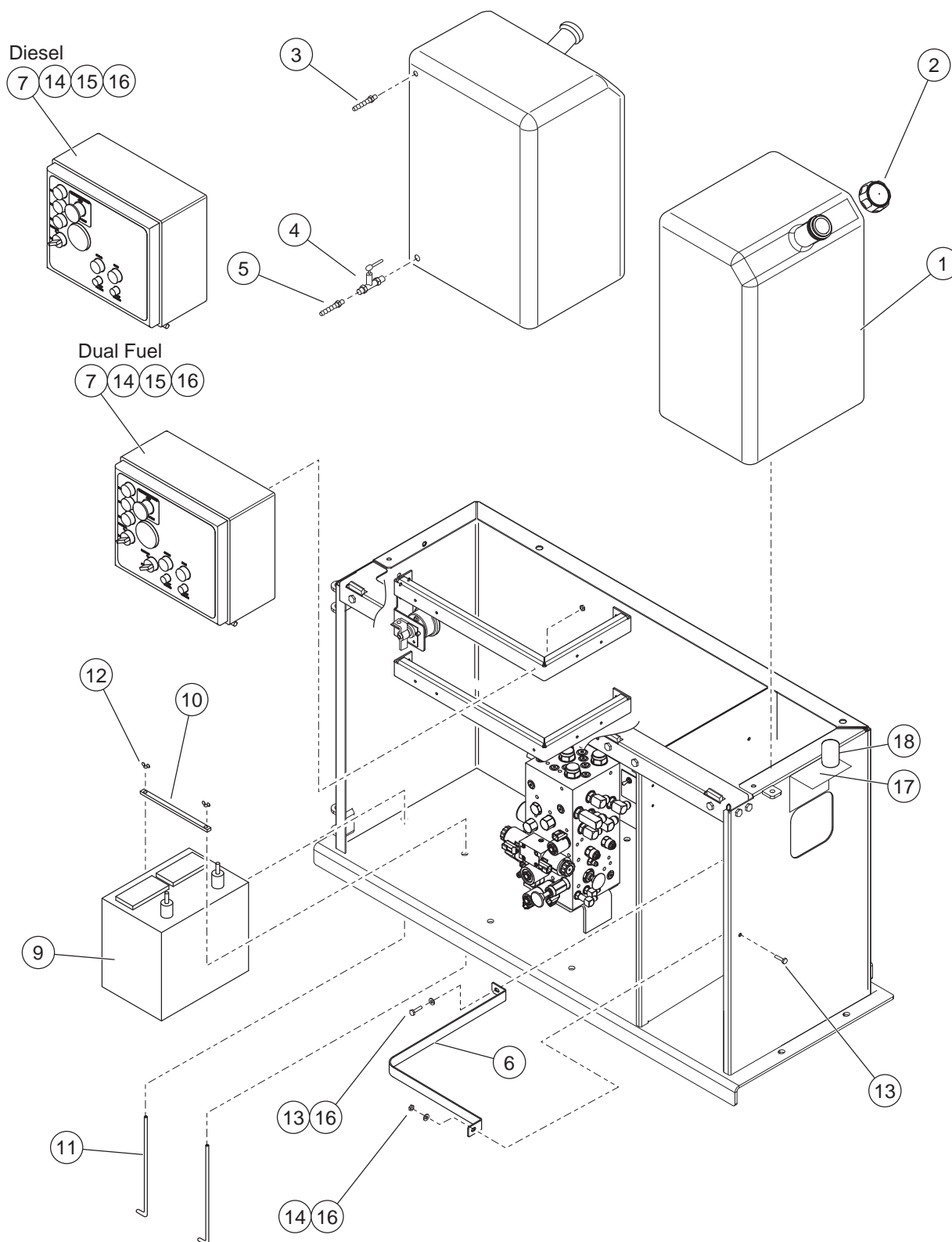


ILLUSTRATION No.
ART_3078

Speed Level™ Sigma Lift

Control Module, Drawing 2 of 2

Item	Part Number	Description	Qty.
1	91023	Fuel Tank, Plastic	1
2	91091	Fuel Tank Cap	1
3	HDW91233	Plug (Dual Fuel) 1/8 NPT, 3/19 Hose Barb	1
	HDW91320	Adapter (Diesel)	1
4	6919	Fuel Shutoff	1
5	HDW91279	Adapter, Male 1/8 NPT, 5/16 Hose Barb	1
	7788	Clamp (Not Shown)	1
	6458	Hose, Fuel Line (Not Shown)	90 in
6	16225	Bracket, Fuel Tank	1
7	83078	Dual Duel Models -- Control Box Assy	1
	83079	Diesel Models -- Control Box Assy	1
8	--	--	--
9	6854	Battery, 12VDC, Grp 24 Deep Cycle	1
10	3436	Hold Down Bar	1
11	2987	Hold Down Rod	2
12	HDW6110	Wing Nut	2
13	50028	Screw, M6 x 20	2
14	50047	Nut, M6 Nylock	6
15	50239	Screw, Hex M6 x 30	4
16	50130	Washer, M6 Fender	6
17	40439	Beacon Bracket (Old Cabinets Only)	1
18	90164	Beacon	1

ES Control Module Assembly

2684ES From Serial #12700030 - 3084ES From Serial #11700043

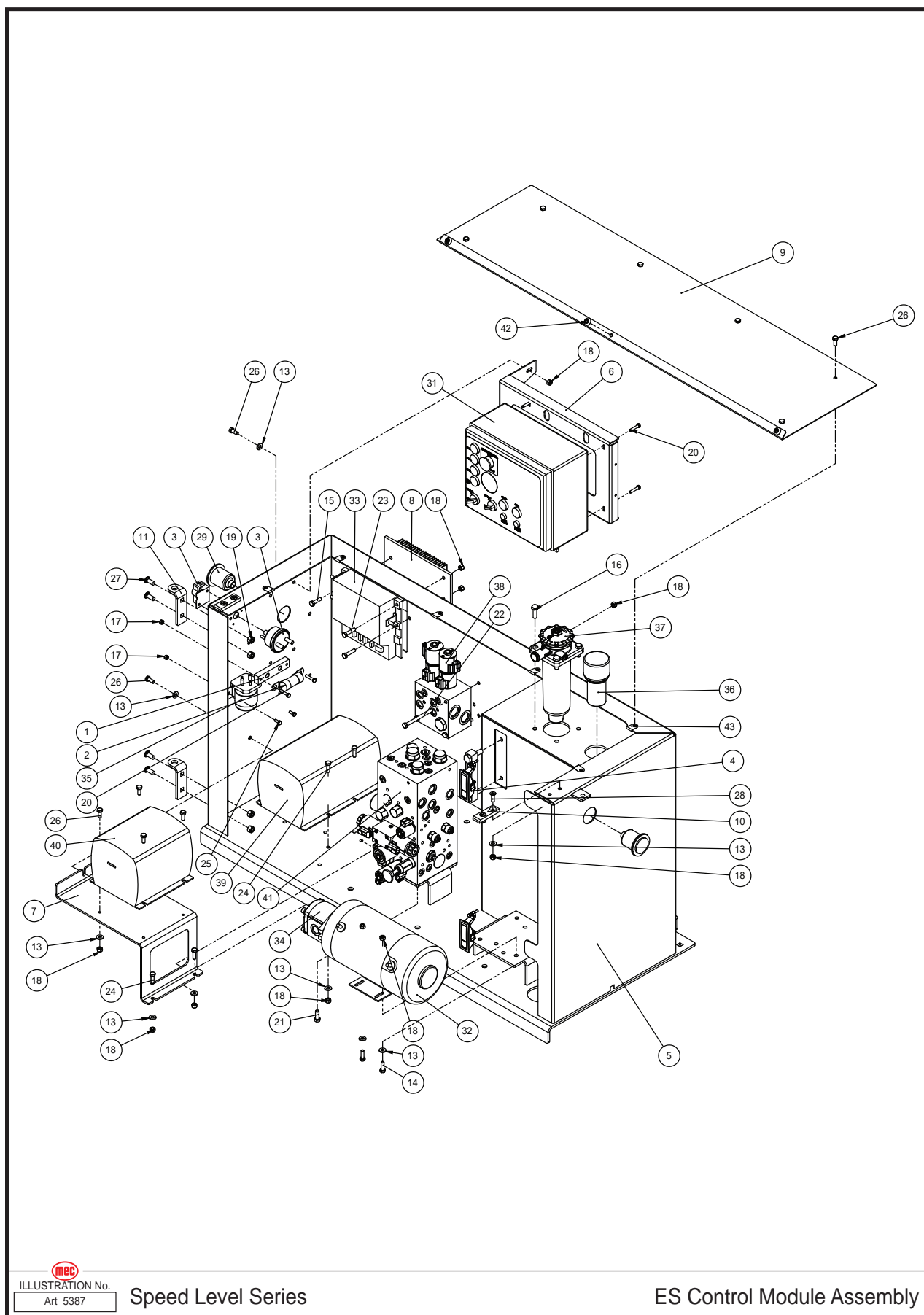


ILLUSTRATION No.
Art. 5387

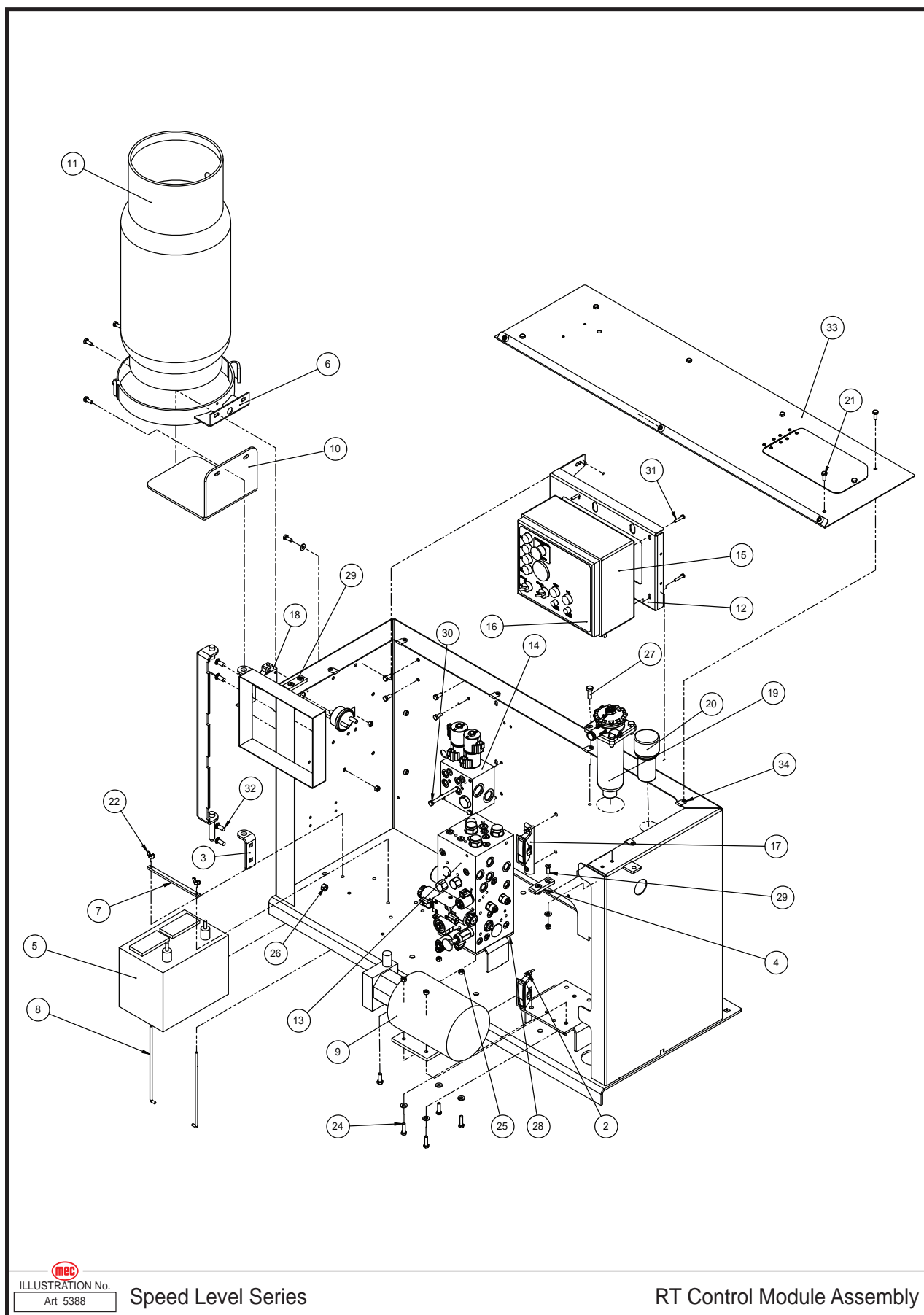
Speed Level Series

ES Control Module Assembly

Item	Part Number	Description	Qty.
1	19471	Fuse Block	1
2	91709	Fuse, 300 Amp	1
3	8841	Switch, Battery	1
4	9370	Gauge Level Hyd Tank	1
5	19264	Control Module	1
6	19271	Bracket, Control Box	1
7	19274	Inverter Bracket Option	1
8	19276	Heat Sink	1
9	19441	Top Cover	1
10	19443	Wear Pad, Door	2
11	24146	Door Mount	2
12	50000	WSHR M06 ZP Standard Flat	2
13	50001	WSHR M08 ZP Standard Flat	23
14	50031	HHCS M08-1.25X025 08 ZP F	4
15	50032	HHCS M08-1.25X030 08 ZP F	1
16	50034	HHCS M10-1.50X030 08 ZP F	4
17	50047	NNYL M06X1.00 08 ZP Nylock	4
18	50048	NNYL M08X1.25 08 ZP Nylon Inse	29
19	50049	NNYL M10X1.50 08 ZP Nylon Inse	4
20	50214	HHCS M06-1.00X030 08 ZP P	6
21	50219	HHCS 03/08-16X00.75 05 ZP	4
22	50237	HHCS M08-1.25X100 08 ZP P	3
23	50295	HHCS M08-1.25X15 08 ZP P	2
24	50348	HHCS M08-1.25X25 08 ZP P	6
25	50296	HHCS M06-1.00X15 08 ZP P	2
26	50030	HHCS M8-1.25 X 20 GR 8.8 ZP	15
27	50342	Carb M10-1.50X25 08 ZP Carriage	4
28	50346	FHMS M8 - 1.25 x 30 ZP	4
29	90749	Marinco Plug	2
31	83077	Control Box	1
32	91640	Electric Motor	1
33	91658	Motor Controller	1
34	91673	Pump, 10CC	1
35	91745	Contact, 48V Contacts, 12V Coil	1
36	92563	Tank Filler W/ Strainer	1
37	92565	Internal Filter	1
38	93093	Tilt Manifold	1
39	91633	Battery Charger	1
40	91859	Inverter Option	1
41	83072	Hydraulic Manifold	1
42	92633	Rubber Door Bumper	3
43	92634	Spring Nut M8 - 1.25X20-25	6

RT Control Module Assembly

2684RT From Serial #12800039 - 3084RT From Serial #11800079



mec
ILLUSTRATION No.
Art_5388

Speed Level Series

RT Control Module Assembly

Item	Part Number	Description	Qty.
1	19264	Control Module	1
2	83107	Control Module Door Assem.	1
3	24146	Door Mount	2
4	19443	Wear Pad, Door	2
5	6854	Battery, 12 VDC	1
6	6860	Bracket, Tank Mount	1
7	3436	Hold Down Bar, Battery	1
8	2987	Rod, Hold Down	2
9	91550	Generator, 2000 Watt Optional	1
10	19463	Propane Tank	1
11	6859	Propane Tank	1
12	19271	Bracket, Control Box	1
13	83072	Hydraulic Manifold	1
14	83093	Tilt Manifold	1
15	91179	Control Box	1
16	91157	Control Box Cover	1
17	9370	Gauge Level Hyd Tank	1
18	8841	Switch, Battery	1
19	92565	Internal Filter	1
20	92563	Tank Filler W/ Strainer	1
21	50030	HHCS M8-1.25 X 20 GR 8.8 ZP	18
22	90866A029	1/4"-20 Wing Nut	2
23	50001	WSHR M08 ZP Standard Flat	12
24	50032	HHCS M8-1.25 x 30 ZP	4
25	50048	NNYL M08X1.25 08 ZP Nylon Inse	19
26	50049	NNYL M10X1.50 08 ZP Nylon Inse	4
27	50034	HHCS M10-1.50X030 08 ZP F	4
28	50219	HHCS 03/08-16X00.75 05 ZP	4
29	50346	FHMS M8-1.25X30 ZP	4
30	50237	HHCS M08-1.25X100 08 ZP P	3
31	50214	HHCS M06-1.00X030 08 ZP P	4
32	50342	Carb M10-1.50X25 08 ZP Carriage	4
33	83168	Module Top W/ Door Latch Assy.	1
34	95210A200	Spring Steel Clip-on Nut, M8	6

Power Module – RT

2684RT To Serial #12800038 - 3084RT To Serial #11800078

RT MODELS

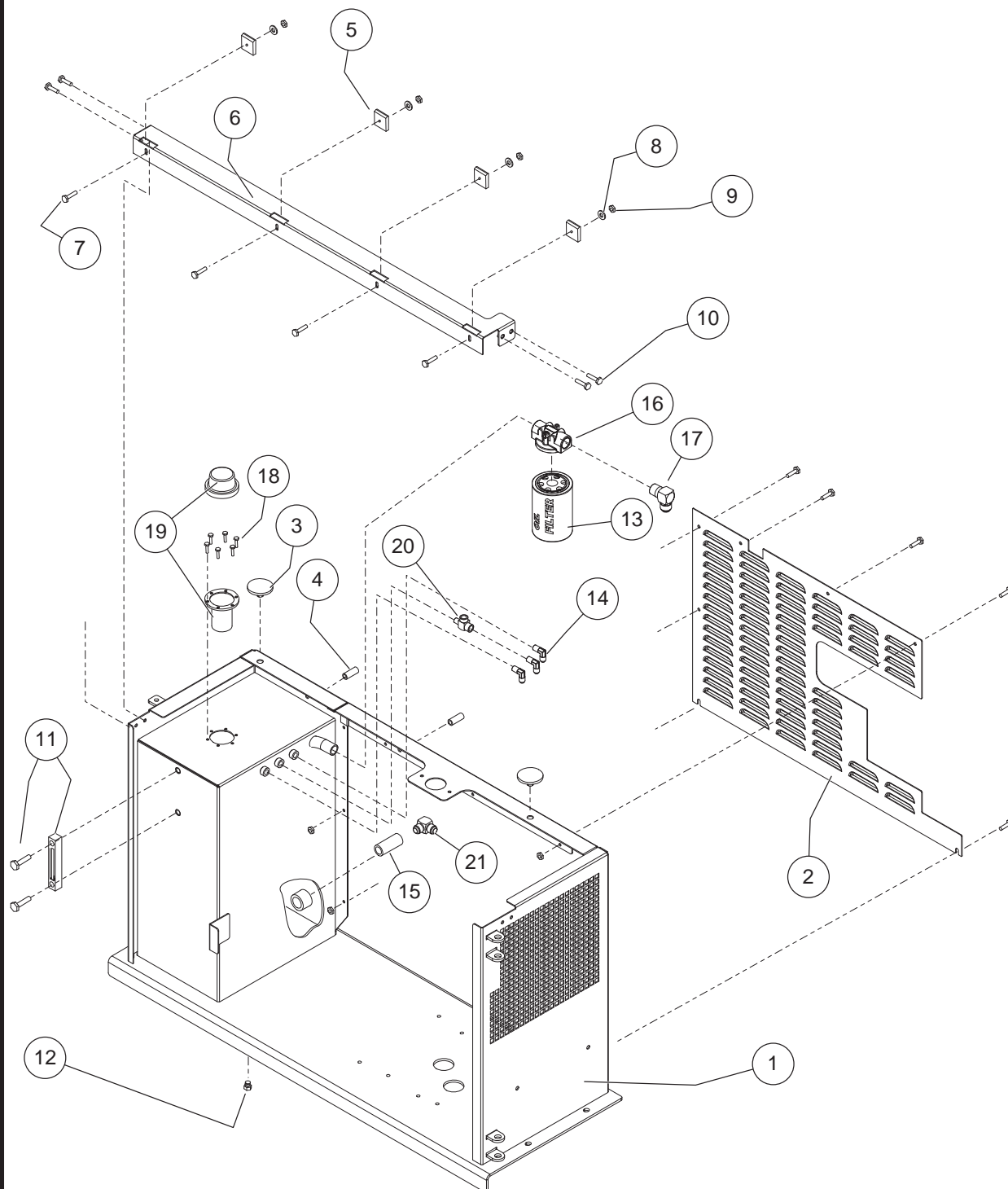


ILLUSTRATION No.
ART_3478

91RT - Speed Level™ RT

Power Module

Item	Part Number	Description	Qty.
1	16213	Power Module Weldment	REF
2	16247	Guard, Engine Module	1
3	25429	Pad	2
4	40620	Spacer, Insulator	2
5	14896	Slide Block, Door	4
6	14826	Bracket, Cross Support	1
7	50028	Screw, M6 x 20	11
8	50068	Washer, M6 Fender	13
9	50047	Nut, M6 Nylock	12
10	HDW5724	Screw, 5/16 - 18 x 3/4 Inch, GR5	4
11	9370	Level Gauge	1
12	HDW9200	Plug, 1/4 NPT	1
13	6156	Filter Cartridge	1
14	50664	Elbow, MP-MJ90-4-4	2
15	50648	Fitting, MJ-MP-16-20	1
16	6714	Filter Head	1
17	HDW9268	Elbow, 90° 1/4 NPT - 3/4 JIC	1
18	HDW8482	Bolt, 32 x 1.57	6
19	9367	Filler/Strainer	1
20	50893	Tee, MJ-FJX-MJT-6	1
21	50649	Elbow 90, MJ-FJX90-16-16	1
22	50061	Washer, 5/16 Flat	4
23	50920	Fitting, MJ-MP90-6-4	1

REF - Reference

ES Power Module Assembly

2684ES From Serial #12700030 - 3084ES From Serial #11700043

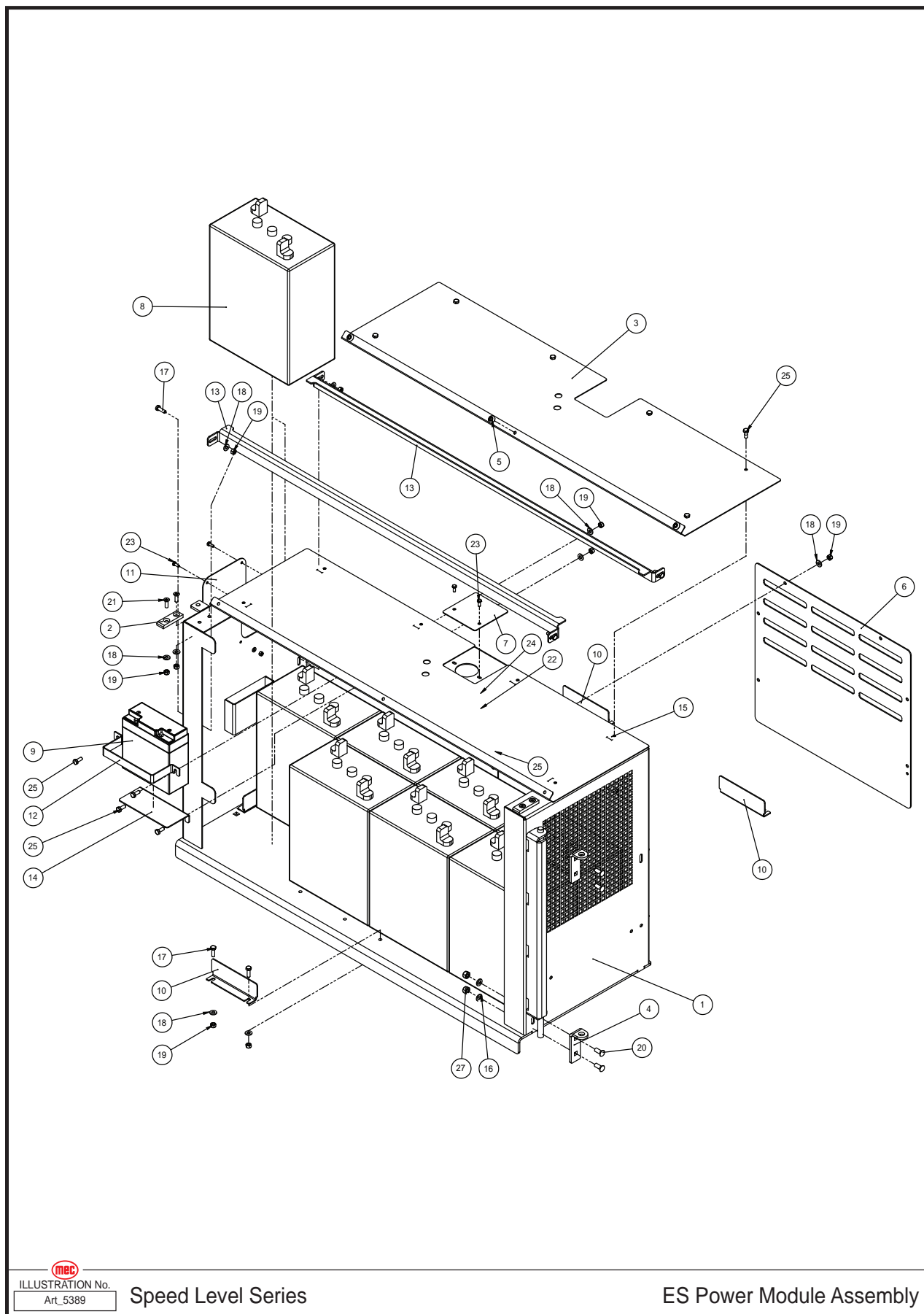


ILLUSTRATION No.
Art_5389

Speed Level Series

ES Power Module Assembly



Item	Part Number	Description	Qty.
1	19281	Power Module	1
2	19443	Wear Pad, Door	2
3	19444	Top Cover	1
4	24146	Door Mount	2
5	92633	Rubber Door Bumper	3
6	19462	Battery Vent	1
7	19461	Intake Cover Plate	1
8	91641	X72ES Battery	8
9	90898	Emergency Down Battery	1
10	19438	Battery Bracket	3
11	19437	Fuel Fill Cover	1
12	19446	Battery, Cross Brace	1
13	19288	Battery Stop	2
14	19445	Battery Bracket	1
15	92634	Spring Nut M8 - 1.25X20-25	6
16	50002	WSHR M10 ZP Standard Flat	4
17	50295	HHCS M08-1.25X25 08 ZP P	10
18	50001	WSHR M08 ZP Standard Flat	24
19	50048	NNYL M08X1.25 08 ZP Nylon Inse	24
20	50342	Carb M10-1.50X25 08 ZP Carriage	4
21	50346	FHMS M8 - 1.25 x 30 ZP	4
22	50047	NNYL M06X1.00 08 ZP Nylock	6
23	50296	HHCS M06-1.00X15 08 ZP P	6
24	50000	WSHR M06 ZP Standard Flat	6
25	50030	HHCS M8-1.25 X 20 GR 8.8 ZP	16
27	50049	NNYL M10X1.50 08 ZP Nylon Inse	4

Diesel Power Module Assembly

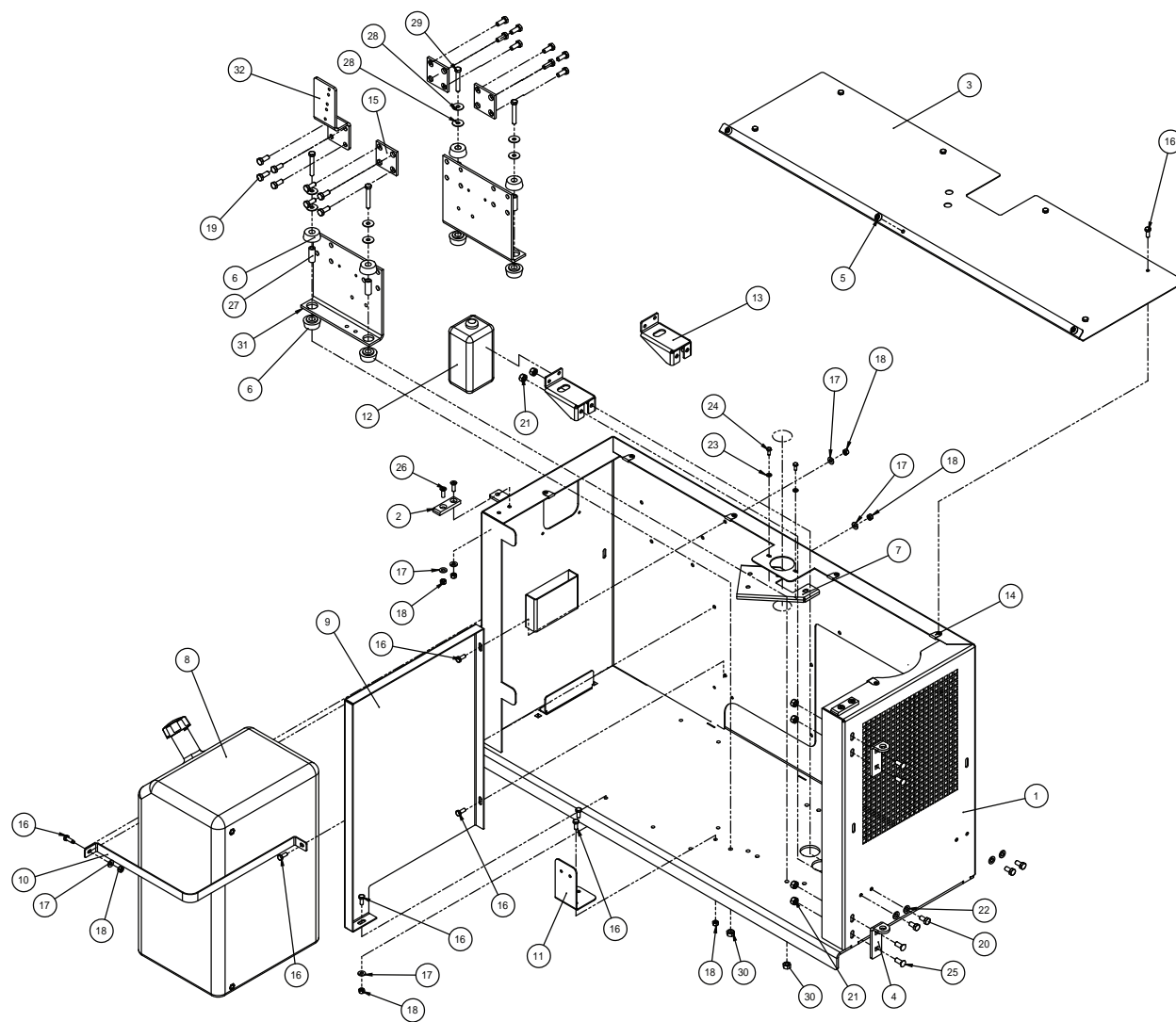


ILLUSTRATION No.
Art_5390

Speed Level Series

Diesel Power Module Assembly



Item	Part Number	Description	Qty.
1	19281	Power Module	1
2	19443	Wear Pad, Door	2
3	19444	Top Cover, Power Module	1
4	24146	Door Mount	2
5	92633	Rubber Door Stop	3
6	7736	Insulator, Rubber	8
7	16721	Bracket, Instake, Air Intake, Diesel	1
8	91023	Fuel Tank, Plastic	1
9	19293	Bulkhead, Power Module	1
10	19316	Bracket, Fuel Tank	1
11	19472	Relay Bracket	1
12	91127	Coolant Overflow Tank	1
13	16345	Mount Bracket, Radiator	2
14	92978	Spring Num M8-1.25X20-25	6
15	16210	Spacer, Engine	3
16	50030	HHCS M8-1.25 X 20 GR 8.8 ZP	13
17	50001	WSHR M08 ZP Standard Flat	9
18	50048	NNYL M08X1.25 08 ZP Nylon Inse	11
19	50116	HHCS M10-1.5X025 08 ZP	16
20	50215	HHCS M10-1.50X020 08 ZP F	4
21	50049	NNYL M10X1.50 08 ZP Nylon Inse	9
22	50002	WSHR M10 ZP Standard Flat	4
23	50000	WSHR M06 ZP Standard Flat	2
24	50296	HHCS M06-1.00X15 08 ZP P	2
25	50342	Carb M10-1.50X25 08 ZP Carriage	4
26	50346	FHMS M8-1.25X30 ZP	4
27	40620	Spacer-Isolator	4
28	90480	WSHR 03/08X1-1/2 Fender	8
29	50097	HHCS 03/08-16X2.50 08 ZP	4
30	50210	NNYL 03/08-16 05 ZP	4
31	16209	Engine Mount, Diesel	2
32	17854	Dual Solenoid Bracket	1

Dual Fuel Power Module Assembly

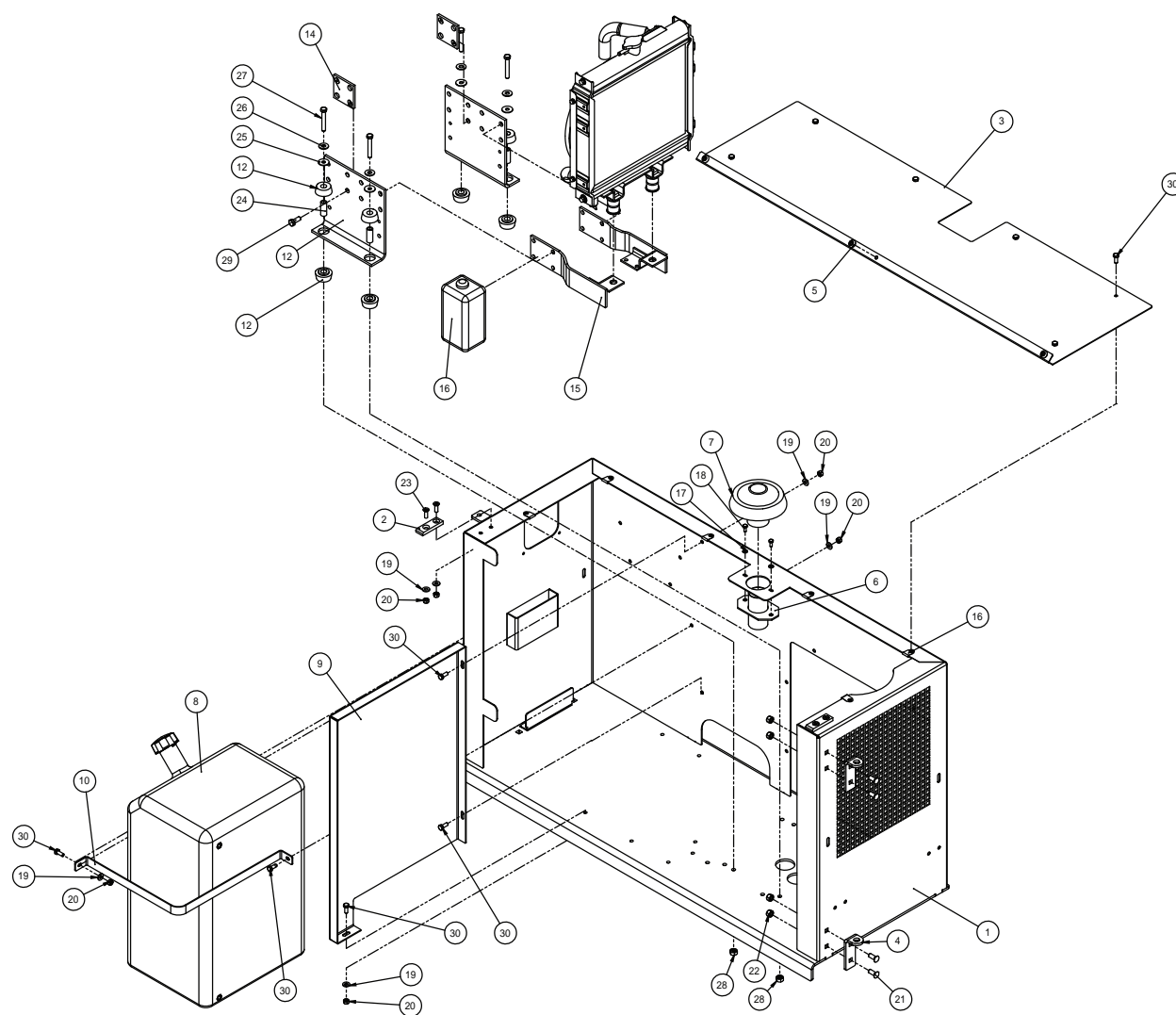


ILLUSTRATION No.
Art_5391

Speed Level Series

Dual Fuel Power Module Assembly



Item	Part Number	Description	Qty.
1	19281	Power Module	1
2	19443	Wear Pad, Door	2
3	19444	Top Cover	1
4	24146	Door Mount	2
5	92633	Rubber Door Stop	3
6	16295	Weldment, Intake	1
8	91023	Fuel Tank, Plastic	1
9	19293	Bulkhead	1
10	19316	Bracket, Fuel Tank	1
11	16211	Engine Mount, Dual Fuel	2
12	7736	Insulator, Rubber	8
13	16210	Spacer	2
14	91131	Radiator Bracket Kit	1
15	91127	Coolant Overflow Tank	1
16	92634	Spring Nut M8 - 1.25X20-25	6
17	50000	WSHR M06 ZP Standard Flat	2
18	50296	HHCS M06-1.00X15 08 ZP P	2
19	50001	WSHR M08 ZP Standard Flat	9
20	50048	NNYL M08X1.25 08 ZP Nylon Inse	9
21	50342	Carb M10-1.50X25 08 ZP Carriage	4
22	50049	NNYL M10X1.50 08 ZP Nylon Inse	4
23	50346	FHMS M8 - 1.25 x 30 ZP	4
24	40620	Spacer - Isolator	4
25	90480	WSHR 03/08 X 1-1/2 Fender	4
26	50129	WSHR 03/08 ZP SAE Flat	4
27	50219	HHCS 03/08-16X2.50 08 ZP	4
28	50210	NNYL 03/08-16 05 ZP	4
29	50116	HHCS M10-1.5X025 08 ZP	1
30	50030	HHCS M8-1.25 X 20 GR 8.8 ZP	11

Engine Mount – Dual Fuel

DUAL FUEL MODELS

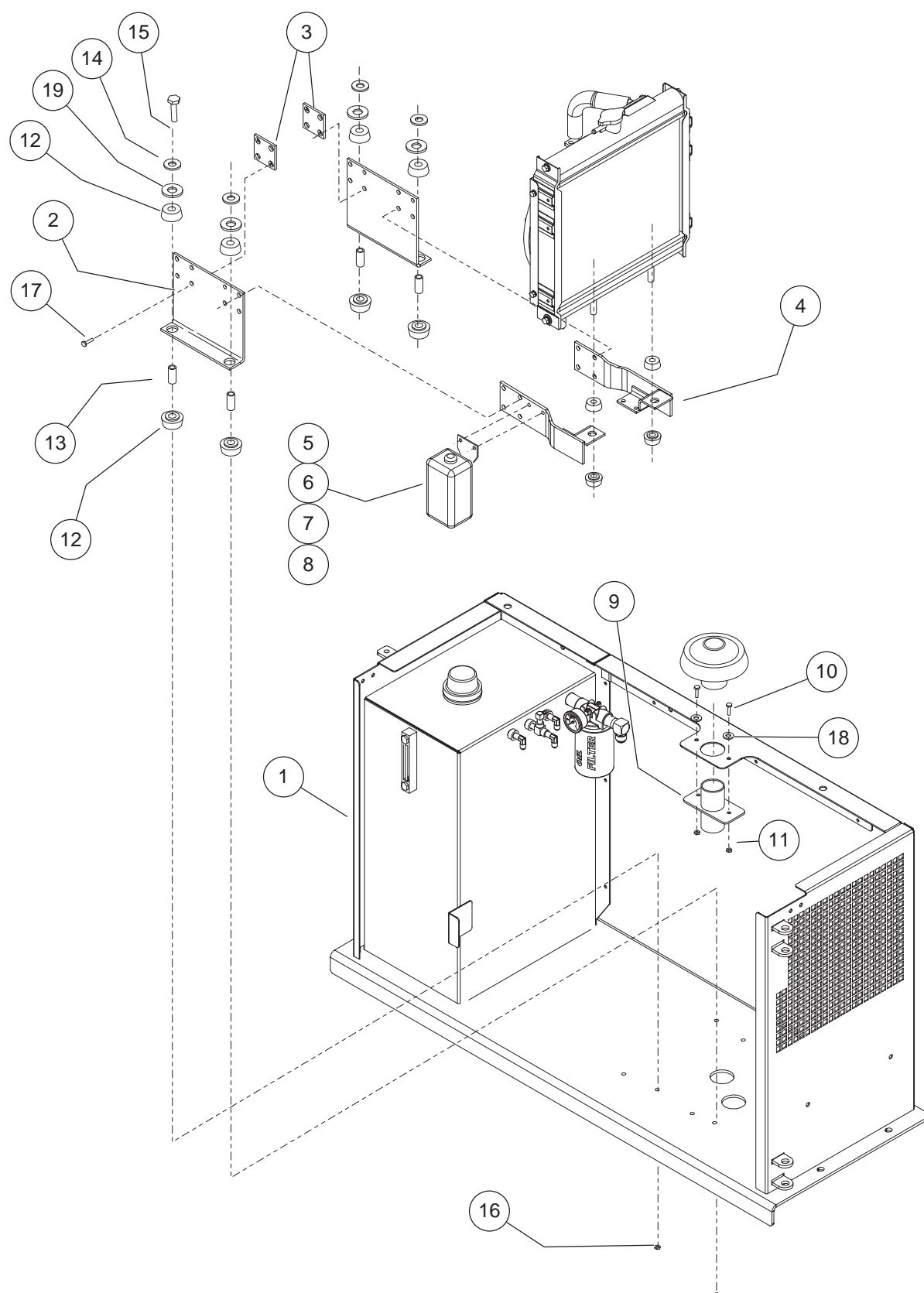


ILLUSTRATION No.
ART_2126 R1

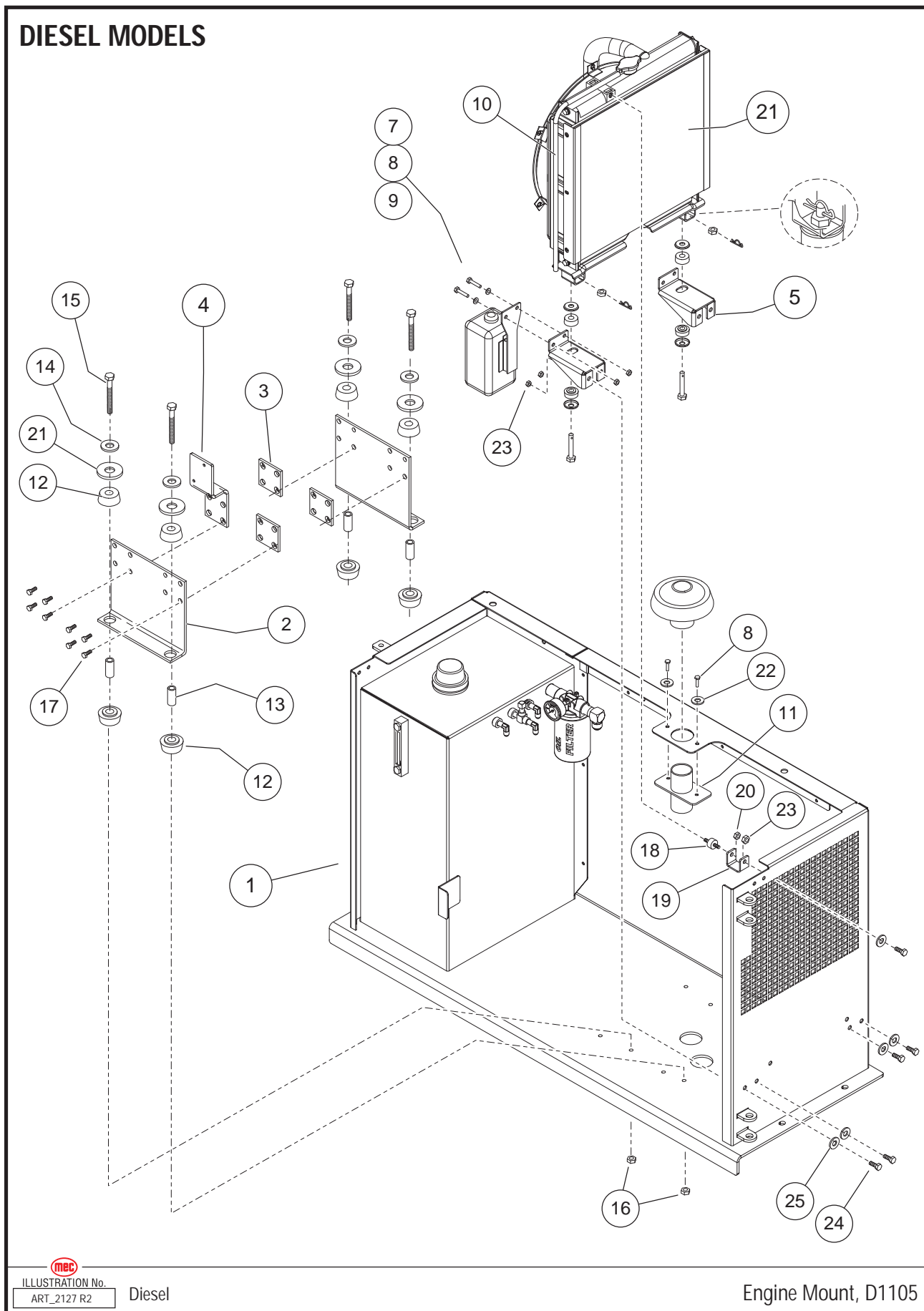
Dual Fuel

Engine Mount, DF752

Item	Part Number	Description	Qty.
1	16213	Power Module Weldment	REF
2	16211	Engine Mount, Dual Fuel	2
3	16210	Spacer	2
4	91131	Radiator Bracket Kit	1
5	91127	Coolant Overflow Tank	1
6	50028	Screw, M6 x 20	2
7	50047	Nut, M6 Nylock	2
8	6458	Hose	3 ft.
9	16295	Air Intake Weldment	1
10	HDW5723	Air Intake Weldment	2
11	HDW8267	Nut, 1/4 - 20	4
12	7736	Insulator, Rubber	8
13	40620	Spacer - Isolator	4
14	HDW8567	Washer, Flat, 3/8	4
15	HDW8279	Bolt, 3/8 - 16 x 2 1/2 GR8	4
16	HDW8268	Nut, 3/8 - 16	4
17	HDW91234	Screw, M10-1.25 x 25 8.8	12
18	50130	Washer, 1/4 Flat	2
19	90480	Washer, 3/8 x 1-1/2 Fender	4

REF - Reference

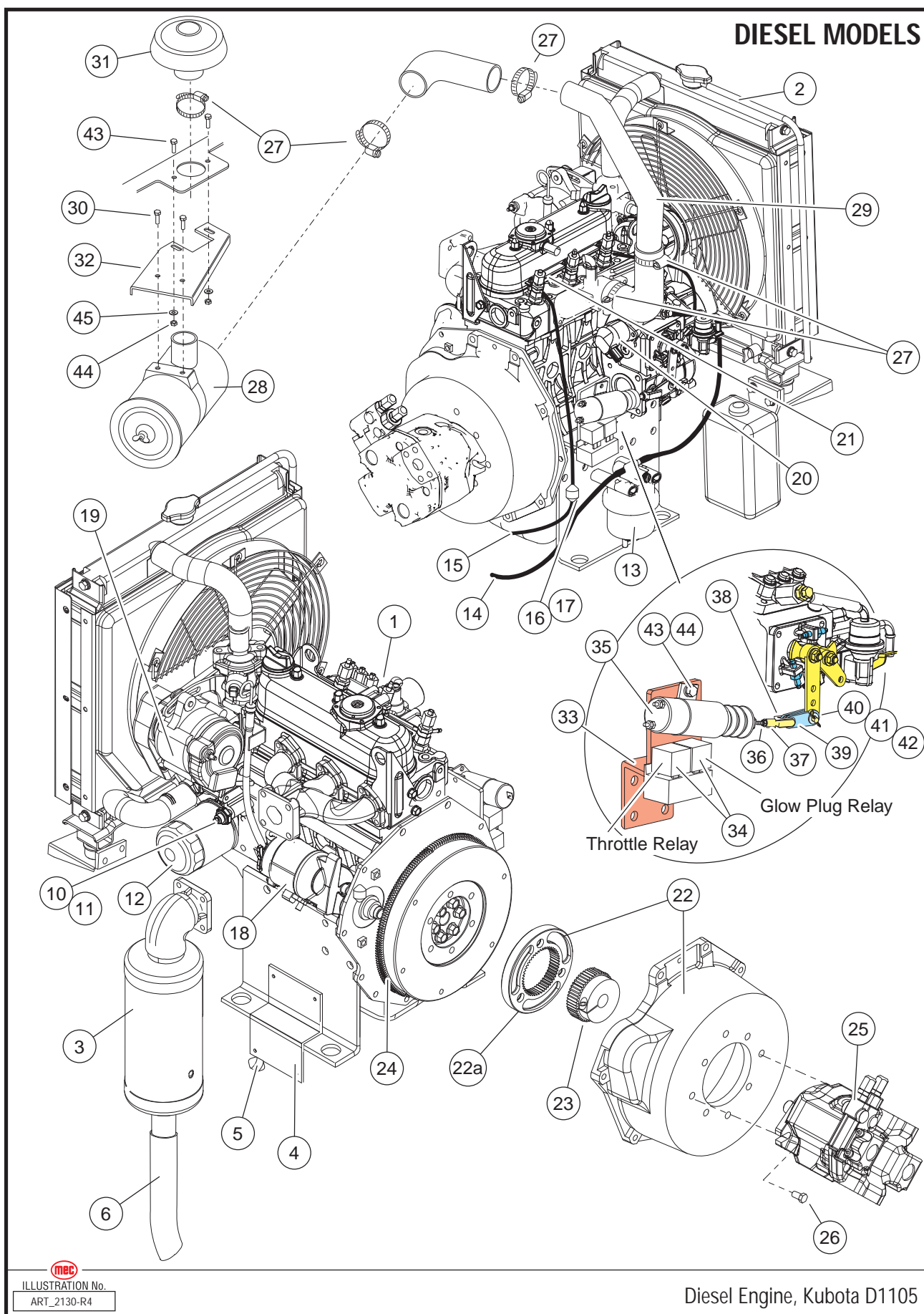
Engine Mount – Diesel



Item	Part Number	Description	Qty.
1	16213	Power Module Weldment	REF
2	16209	Engine Mount, Diesel	2
3	16210	Spacer	3
4	16207	Bracket, Solenoid Mount	1
5	16345	Bracket, Radiator Mount	2
6	--	--	--
7	91127	Coolant Overflow Tank	1
8	50028	Screw, M6 x 20	2
9	50047	Nut, M6 Nylock	2
10	6458	Hose	3 ft.
11	16295	Air Intake Weldment	1
12	7736	Insulator, Rubber	8
13	40620	Spacer - Isolator	4
14	HDW8567	Washer, Flat, 3/8	4
15	HDW8279	Screw, 3/8 - 16 x 2 1/2 GR8	4
16	HDW8268	Nut, 3/8 - 16	4
17	HDW91234	Screw, M10 - 1.25 x 25 8.8	12
18	91591	Vibration Isolator	1
19	16346	Radiator Brace	1
20	50047	Nut, M6	1
21	90480	Washer, 3/8 x 1-1/2 Fender	4
22	50130	Washer, 1/4 Flat	2
23	50049	Nut, M10 Nylock	5
24	50215	Bolt, M10 x 20 HHCS	5
25	50002	Washer, M10 Flat	5

REF - Reference

Engine – Diesel

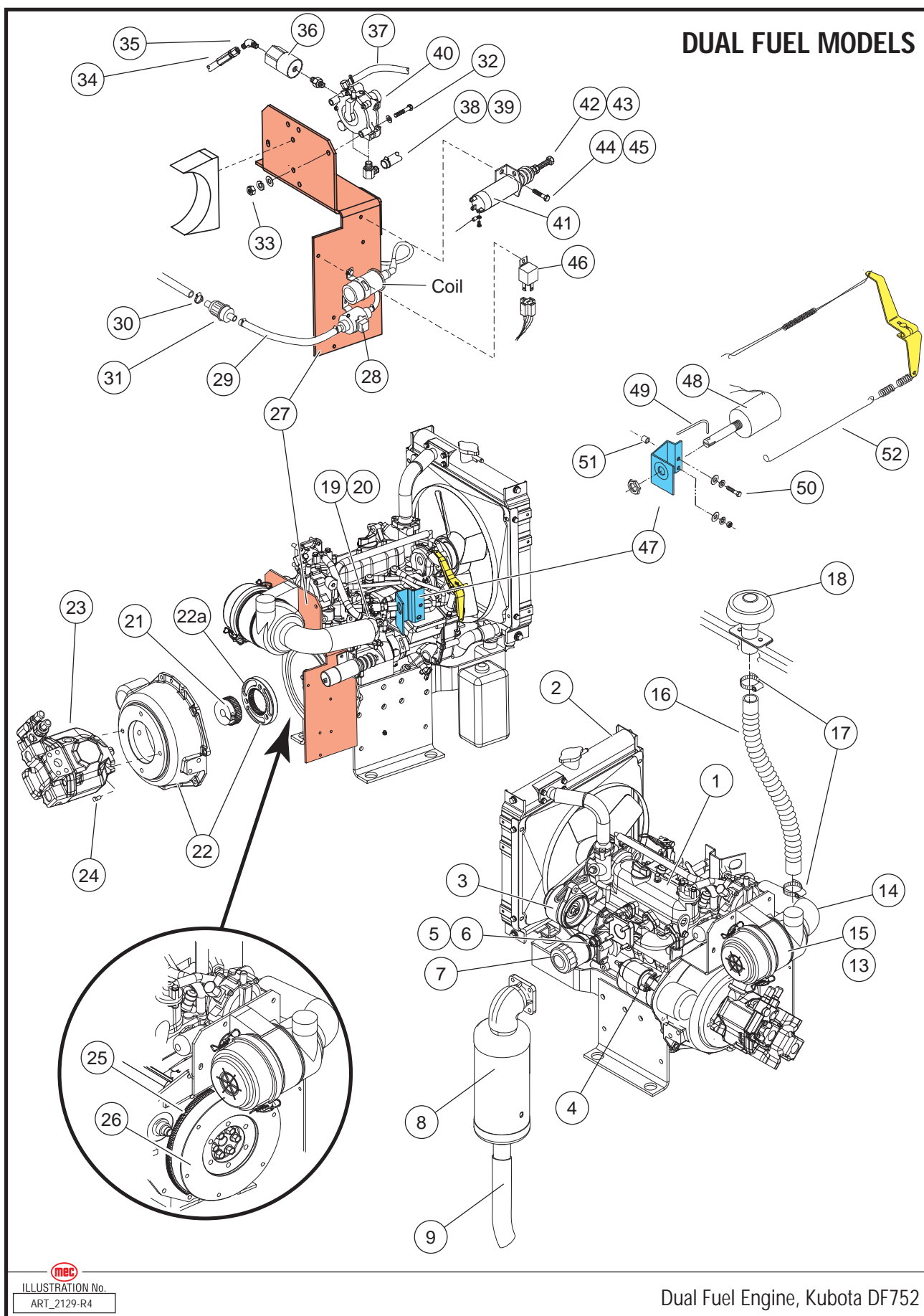


Item	Part Number	Description	Qty.
Additional attaching engine parts found earlier in this section			
--	84036	Engine Subassembly, Diesel	--
1	91429	Engine Kit, D1105	1
2	91113	Radiator Kit	1
--	9831	Radiator	--
3	19405	Muffler Kit	1
--	92164	Gasket, Exhaust (Not Shown)	--
4	19458	Bracket Exhaust Mount	1
5	92533	Clamp 1-1/2"	1
6	91776	Tail Pipe	1
7	--	--	--
8	--	--	--
9	--	--	--
10	91175	Oil Pressure Switch	1
11	HDW91187	Fitting, 1/8 NPT, M-F	1
12	8665	Oil Filter	1
13	91116	Fuel Filter Assembly	1
--	91123	Fuel Filter Element	--
14	6458	Hose, Fuel, 5/16	8 ft.
15	91199	Hose, Fuel, 3/16	6 ft.
16	91114	Valve, Check	1
17	7788	Hose Clamp	5
18	8413	Starter	Incl
19	90227	Alternator	Incl
20	91124	Fuel Solenoid	Incl
21	9832	Glow Plugs	Incl
22	91112	KTR Housing Kit, D905	1
22a	91572	Coupler, Outer	--
23	91130	Hub	1
24	91630	Ring Gear	1
25	91160	Hydraulic Pump	1
26	HDW6433	Screw, 3/8-16 x 1	2
27	7545	Hose Clamp	5
28	91111	Air Cleaner kit	1
--	8667	Air Filter Element	--
29	16720	Tube, Intake Extension	1
30	946640	Screw	2
31	91799	Breather Cap	1
32	16721	Bracket	1
33	16207	Bracket, Solenoid	1
34	91375	Relay	2
35	91589	Solenoid, Throttle	1
36	HDW91231	Jamnut, 1/4-28	1
37	91117	Yoke	1
38	91588	Washer, 1/4" Rubber	1

39	16347	Throttle Link	2
40	HDW5217	Washer, Flat, 5/16	1
41	HDW91590	Clevis Pin, 5/16 x 1	1
42	HDW5290	Cotter Pin, 1/8" x 1	1
43	50028	Screw, M6 x 20	4
44	50047	Nut, M6 Nylock	4
45	HDW5217	Flat Washer	2

Incl - Included with Assembly

Engine – Dual Fuel



Item	Part Number	Description	Qty.
Additional attaching engine parts found earlier in this section			
--	91035	Engine Subassembly, Dual Fuel	--
1	91125	Engine, Kubota DF752	1
2	8472	Radiator	1
3	90227	Alternator, 40 AMP	1
4	8365	Starter	1
5	91175	Oil Pressure Switch	1
6	HDW91187	Fitting, 1/8 NPT, M-F	1
7	8516	Oil Filter	1
8	91115	Muffler	1
--	92164	Gasket, Exhaust (Not Shown)	--
9	91776	Tail Pipe	1
10	92533	Clamp 1-1/2"	1
11	--	--	--
12	--	--	--
13	93632	Air Cleaner Assembly	1
14	91136	Air Filter Element	1
15	91188	Intake Hose	1
16	91340	Hose, 2.00" I.D. Flex	1
17	7545	Hose Clamp	2
18	91799	Breather Cap	1
19	91133	Carburetor Flange	1
20	91617	Carburetor Assembly	1
21	91130	Hub	1
22	91129	KTR Housing Kit, DF752	1
22a	91573	Coupler, Outer	--
23	91160	Hydraulic Pump	1
24	HDW6433	Screw, 3/8-16 x 1"	2
25	91765	Ring Gear	1
26	91766	Flywheel	1
27	21020	Bracket, Components	1
28	91177	Fuel Pump	1
29	6458	Hose, Fuel, 5/16	As Req
30	7788	Hose Clamp, 5/16	5
31	8514	Fuel Filter	1
32	50015	Screw, M8 x 50	2
33	50048	Nut, M8 Nylock	2
34	7406	Hose Assembly, LP	1
35	HDW6894	Elbow, 90° Brass	1
36	91132	Valve, Lockoff	1
37	91197	LP Hose, 1/2"	10 in
38	91198	Radiator Hose, 3/8"	60 in
39	91232	Hose Clamp, #8	6
40	9833	LPG Regulator	1
41	91119	Solenoid, Throttle	1

42	HDW9247	Screw, Cap Socket Head, ¼–28 x 1.0"	1
43	HDW91231	Jamnut, ¼–28	2
44	50028	Screw, M6 x 20	6
45	50047	Nut, M6 Nylock	6
46	91375	Relay, Throttle	1
47	91375	Choke Bracket	1
48	9502	Choke Solenoid	1
49	9498	Choke Linkage	1
50	HDW91283	Screw, M6–1.0 x 25	1
51	20204	Spacer	1
52	9252	Throttle Linkage	1
53	92944	Solenoid Gas Shutoff	1
54	92945	Solenoid Propane Shutoff	1
55	92944	Wire Assembly, Gas Shutoff Solenoid	1
56	91046	Manifold Exhaust	1
57	91559	Gasket Muffler Flange	1

As Req - As Required

LP Tank – Dual Fuel

DUAL FUEL MODELS

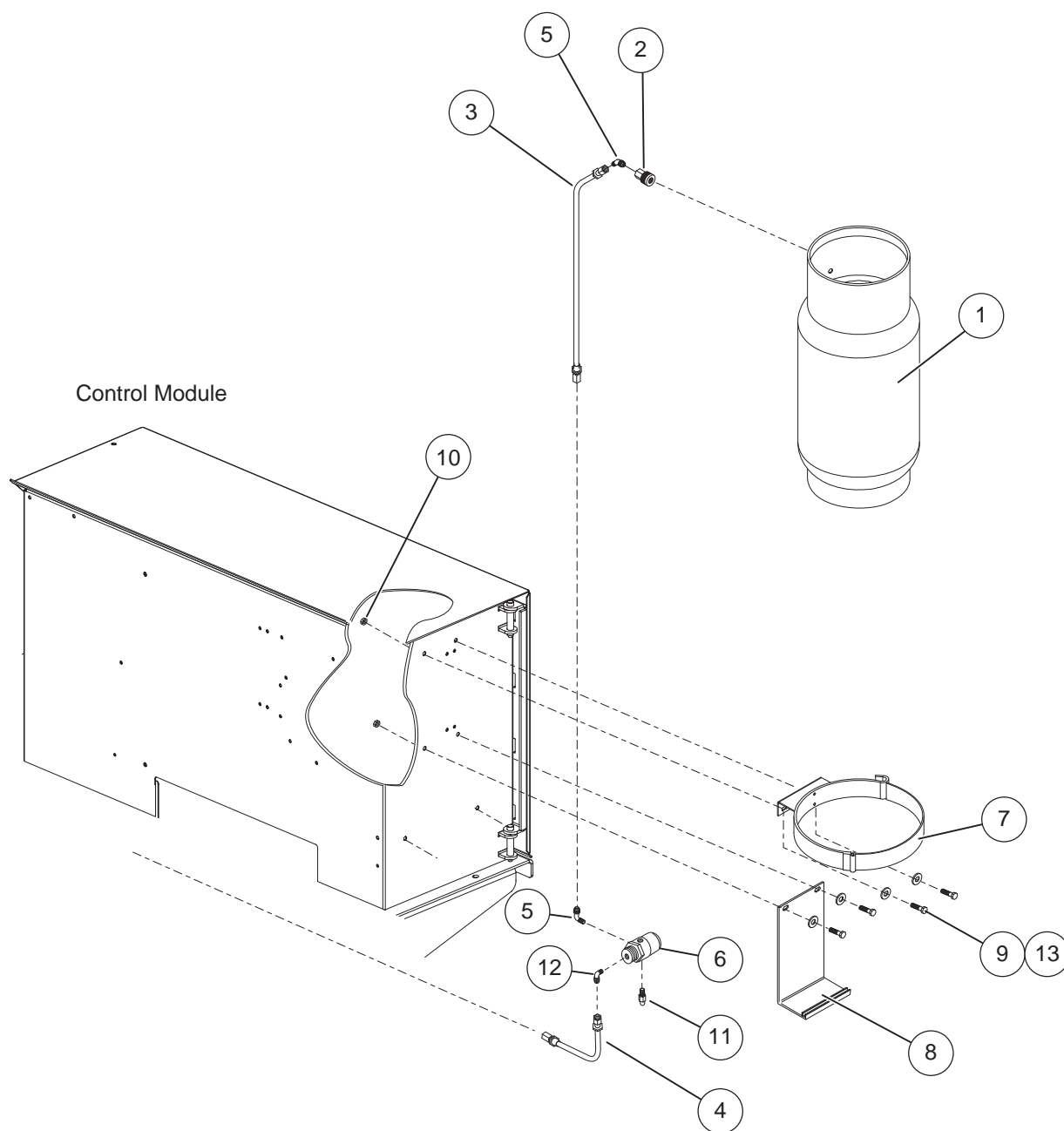


ILLUSTRATION No.
ART_2128 R2

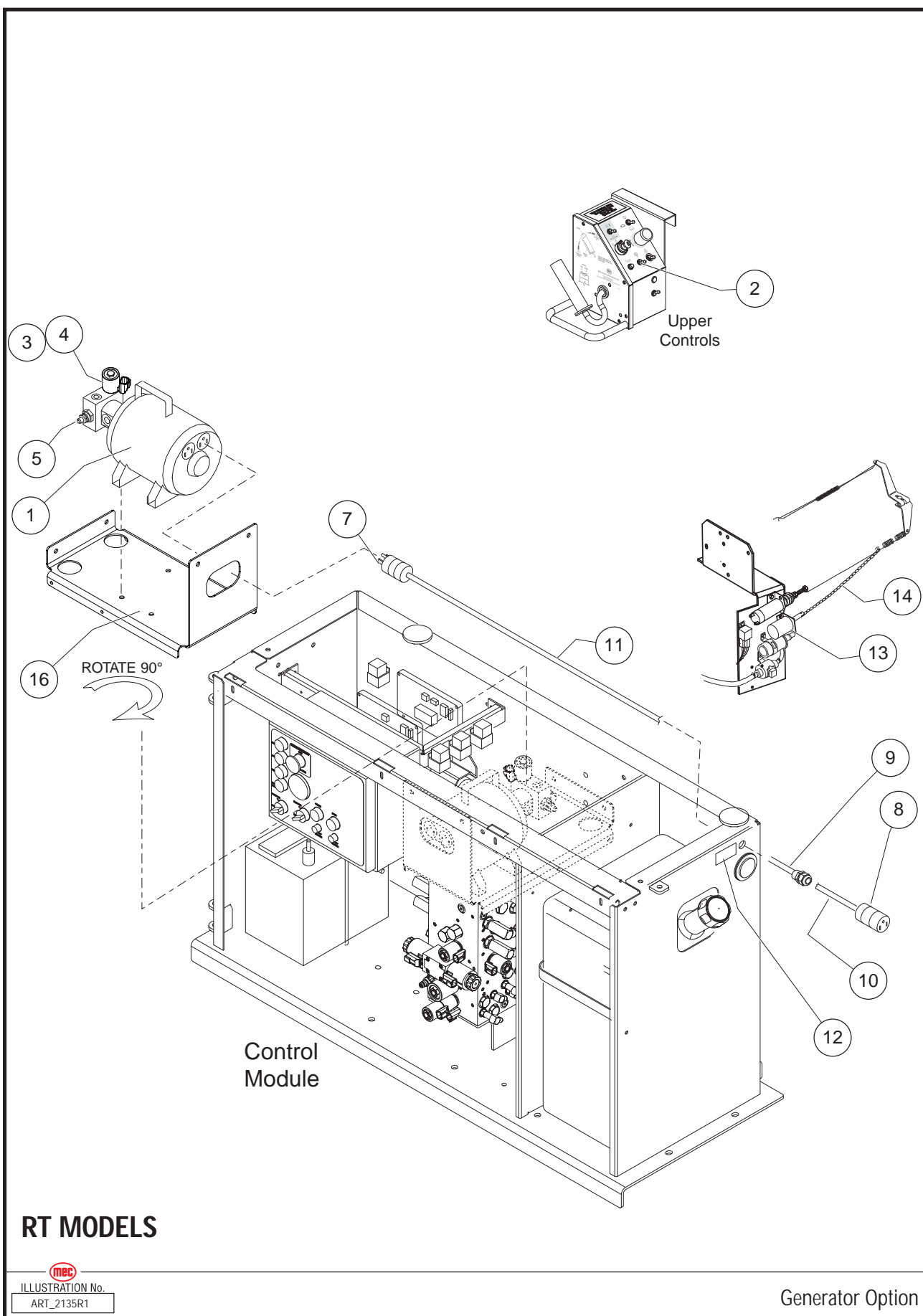
Dual Fuel

LP Tank



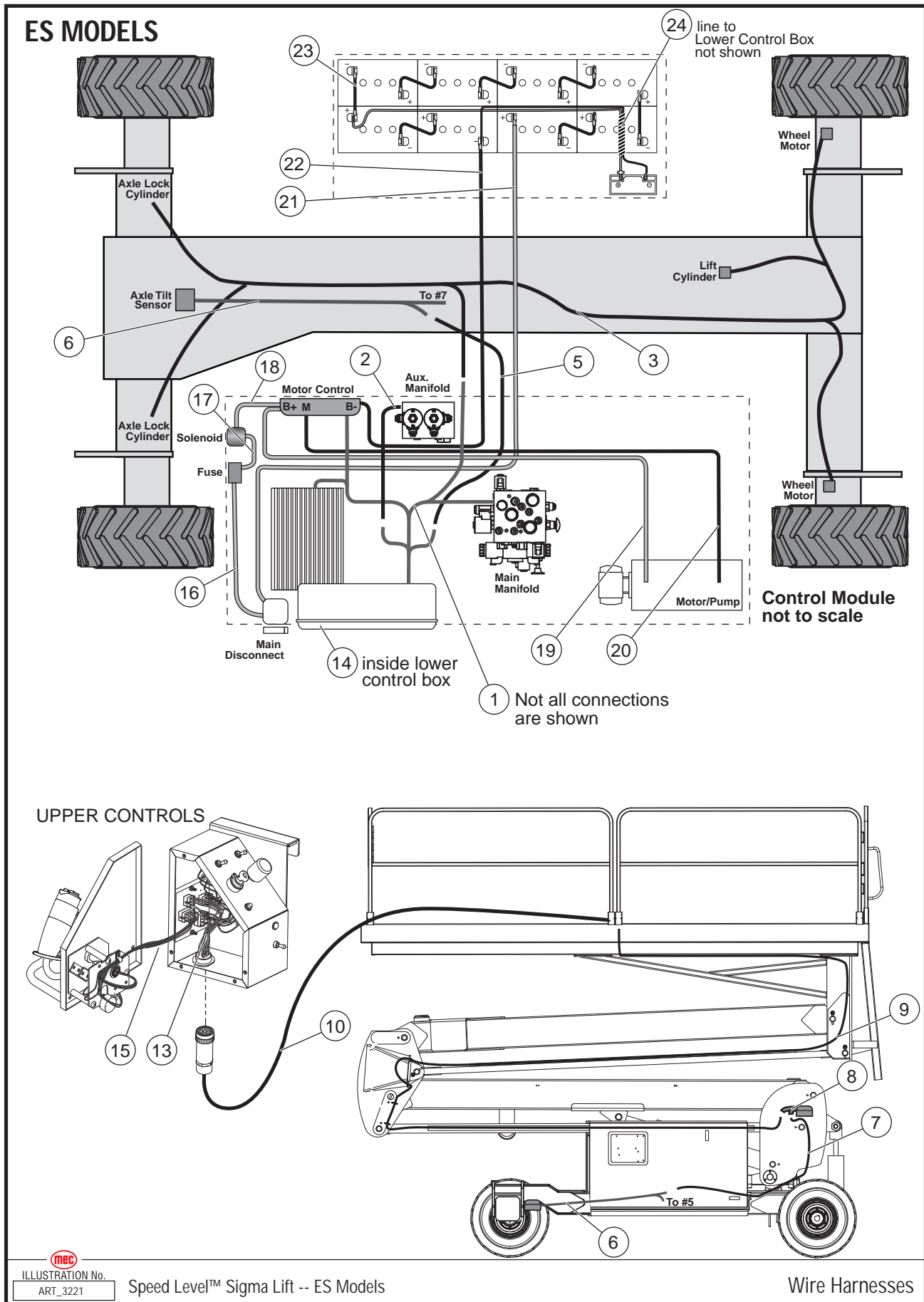
Item	Part Number	Description	Qty.
1	6859	LP Tank	1
2	6868	Quick Disconnect	1
3	6890	Hose Assembly, 30"	1
4	7406	Hose Assembly, 90"	1
5	HDW6894	Elbow, Brass, NPT to SAE 45°	2
6	6861	Bulkhead Filter	1
7	6860	Bracket, Tank Mount	1
8	19102	Tank Support Weldment	1
9	50031	Screw, M8 x 25	4
10	50048	Locknut, M8 Nylock	4
11	6938	Relief Valve	1
12	HDW6727	Elbow, Brass NPT to SAE 90	1
13	50001	Washer, M8 Flat	4

Generator Option, RT - Old Style



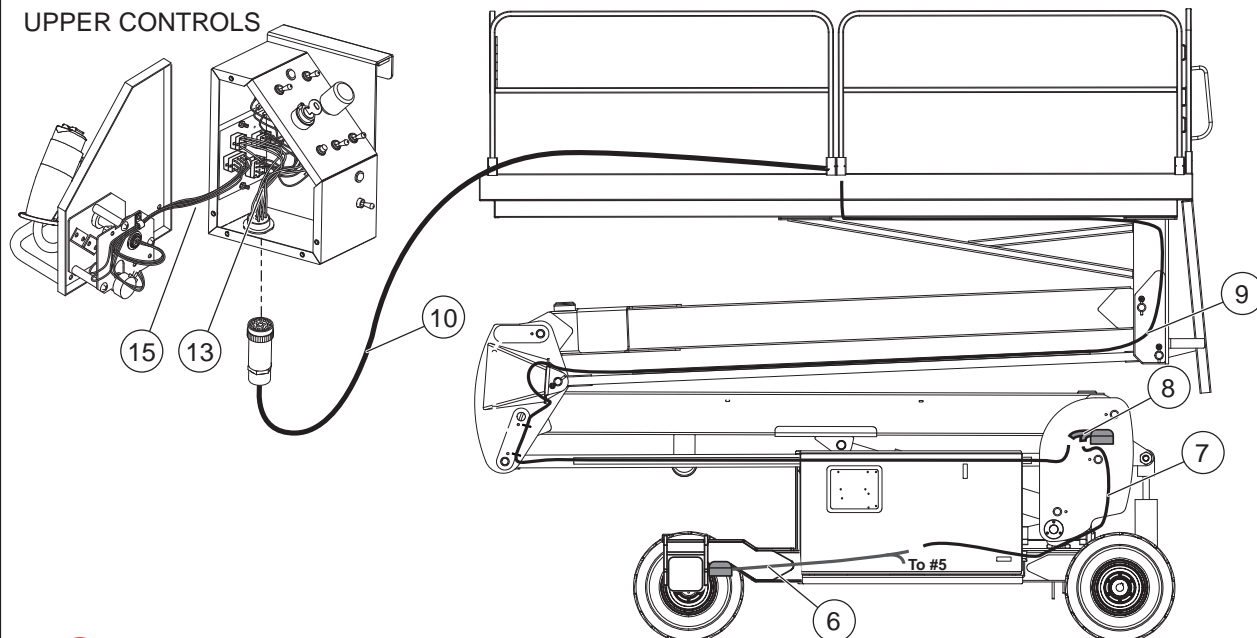
Item	Part Number	Description	Qty.
Refer to Section 5 for Hose Kit			
1	91550	Generator, 2000 Watt	1
2	7423	Switch Toggle 1 Pole 2 Position 3	1
3	91551	Valve, Solenoid, 2-Way, N.C. -- Included With Item #1	--
4	91002	Coil, 12V 10 Series -- Included With Item #1	--
5	91546	Needle Valve -- Included With Item #1	--
6	--	--	--
7	91544	Plug, Male, 3 Prong	1
8	91545	Receptacle, Female	2
9	7594	Strain Relief	1
10	--	--	--
11	7617	Wire, 14GA, 3 conductor	6 ft.
12	91556	Label, AC Generator	1
13	9502	Solenoid, Generator-Throttle, Gas Engine	1
	91119	Solenoid, Generator-Throttle, Diesel Engine	1
14	91469	Chain, Sash #8	2 ft.
15	92196	Harness, Engine Intermediate, Generator Option	1
16	16369	Bracket, Generator Mount	1

Wire Harness – Electric Models



Item	Part Number	Description	Qty.
1	92145	Harness, Main, Lower Control Box To Valve Manifold And Modules	1
2	92134	Harness, Main Harness To Level Manifold	1
3	92135	Harness, Main Harness To Down Valve, Axle Cylinders, Wheel Bypass	1
4	--	--	--
5	92137	Harness, Communication, Main Harness To Axle CAN-Tilt	1
6	92138	Harness, Communication, Axle CAN-Tilt Connection Adapter	1
7	92139	Harness, Communication, Axle CAN-Tilt To Boom Pivot CAN-Tilt	1
8	92140	Harness, Communication, Boom Pivot Angle CAN-Tilt Adapter	1
9	92141	Harness, Communication, Boom Pivot Angle CAN-Tilt To Platform Bottom	1
10	91780	Harness, Communication, Platform Bottom To Upper Control Box, Removable Control Box	1
	92195	Harness, Communication, Platform Bottom To Upper Control Box, Fixed Control Box	1
11	9441	Cable, Power to Platform, 3084 (Not Shown -- Connects Plug On Module Base To Plug At Platform)	55 ft.
		Cable, Power to Platform, 2684 (Not Shown -- Connects Plug On Module Base To Plug At Platform)	50 ft.
12	--	--	--
13	92143	Harness, Inside Upper Control Box Base -- Removable Control Box Only	1
14	92146	Harness, Lower Control Box Interior	1
15	92193	Harness, Matrix Module To Joystick	1
16	92150	Cable, Master Disconnect To Fuse	1
17	92151	Cable, Fuse To Solenoid	1
18	92151	Cable, Solenoid To Motor Controller B+	1
19	92152	Cable, Red, Motor Controller B+ To Motor B+	1
20	92153	Cable, Black, Motor Controller M To Motor B-	1
21	92148	Cable, Battery+ To Master Disconnect	1
22	92149	Cable, Battery- To Motor Controller B-	1
23	6208	Cable, Battery Connection	7
24	92147	Harness, Emergency Down	1

RT MODELS




Item	Part Number	Description	Qty.
1	92133	Harness, Main, Lower Control Box To Valve Manifold And Modules	1
2	92134	Harness, Main Harness To Level Manifold	1
3	92135	Harness, Main Harness To Down Valve, Axle Cylinders, Wheel Bypass	1
4	92136	Dual Fuel - Harness, Engine, Main Harness To Engine	1
	92222	Diesel - Harness, Engine, Main Harness To Engine	1
5	92137	Harness, Communication, Main Harness To Axle CAN-Tilt	1
6	92138	Harness, Communication, Axle CAN-Tilt Connection Adapter	1
7	92139	Harness, Communication, Axle CAN-Tilt To Boom Pivot CAN-Tilt	1
8	92140	Harness, Communication, Boom Pivot Angle CAN-Tilt Adapter	1
9	92141	Harness, Communication, Boom Pivot Angle CAN-Tilt To Platform Bottom	1
10	91780	Harness, Communication, Platform Bottom To Upper Control Box, Removable Control Box	1
	92196	Harness, Communication, Platform Bottom To Upper Control Box, Fixed Control Box	1
11	9441	Cable, Power To Platform, 3084 (Not Shown -- Connects Plug On Module Base To Plug At Platform)	55
		Cable, Power To Platform, 2684 (Not Shown -- Connects Plug On Module Base To Plug At Platform)	50
12	92142	Harness, 12V Power Supply To Lower Control Box	1
13	92143	Harness, Inside Upper Control Box Base -- Removable Control Box Only	1
14	92144	Harness, Lower Control Box Interior	1
15	92193	Harness, Matrix Module To Joystick	1
16	92154	Cable, Battery+ To Master Disconnect	1
17	92155	Cable, Master Disconnect To Engine Starter	1
18	92156	Cable, Battery- To Engine	1

Decals, ES Models, ANSI Specification - Part 1

ES MODELS - ANSI

1




2

3084ES **mecc 3084ES** SPEED LEVEL™

2684ES **mecc 2684ES** SPEED LEVEL™

5



6

WARNING

- **SHEET LOADING GATE MUST BE IN LOWERED LOCKED POSITION BEFORE OPERATING FROM PLATFORM.**
- **PLATFORM ENTRANCE MUST BE PROPERLY CLOSED AND ALL GUARDRAILS PROPERLY IN PLACE AND SECURED BEFORE OPERATING FROM PLATFORM.**

FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE DEATH OR SERIOUS INJURY.

7

WARNING

INSPECT MACHINE AND MAKE SURE THAT IT IS OPERATING PROPERLY, THAT ALL NAME PLATE AND SAFETY AND CONTROL DECALS ARE IN PLACE AND LEGIBLE, AND THAT THE MACHINE IS IN ACCORDANCE WITH THE MANUFACTURER'S MAINTENANCE REQUIREMENTS CONTAINED IN THE OPERATION AND MAINTENANCE MANUAL AND THE DAILY SAFETY CHECKLIST.

OPERATE MACHINE WITH EXTREME CAUTION. WATCH FOR OBSTRUCTIONS WHICH MAY STRIKE PLATFORM, PERSONNEL, CONTROLS, OR MACHINE. OPERATE CONTROLS SLOWLY FOR SMOOTH PLATFORM MOTION.

FOR DRIVING WITH PLATFORM LOWERED:	OTHER HAZARDS
<ul style="list-style-type: none"> • DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD LIMIT CAPACITY. LOAD TO BE UNIFORMLY DISTRIBUTED, PLACE LOAD NEAR CENTER OF PLATFORM WHEN POSSIBLE. • DO NOT DRIVE ON SIDE SLOPE IF PLATFORM IS OVER 2% OFF LEVEL. • DO NOT DRIVE UP OR DOWN A GRADE OF OVER 40%. 	<ol style="list-style-type: none"> 1. DO NOT EXCEED PLATFORM LOAD CAPACITY. 2. DO NOT EXCEED MAXIMUM SIDE FORCE AND MAXIMUM NUMBER OF OCCUPANTS. 3. DO NOT USE WITHOUT GUARD RAILS IN PLACE, AND ENTRY GATE PROPERLY SECURED. 4. DO NOT USE IF WORK PLATFORM IS NOT WORKING PROPERLY OR IF ANY PART IS DAMAGED OR WORN. 5. DO NOT USE NEAR MOVING VEHICLES OR CRANES. 6. DO NOT STAND OR SIT ON GUARDRAILS. 7. ALL PERSONNEL SHALL ALWAYS MAINTAIN FIRM FOOTING ON PLATFORM FLOOR. 8. DO NOT USE WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS. 9. DO NOT OVERRIDE SAFETY DEVICES. 10. DO NOT LEAVE MACHINE UNATTENDED WITH KEY IN THE SWITCH. 11. DO NOT RAISE PLATFORM WHILE MACHINE IS ON A TRUCK, FORKTRUCK, OR OTHER DEVICE OR VEHICLE. 12. DO NOT USE LADDER, SCAFFOLDING, OR OTHER DEVICES TO INCREASE SIZE OR WORKING HEIGHT OF PLATFORM. 13. DO NOT ENTER OR EXIT PLATFORM WHILE IN MOTION. 14. DO NOT RECHARGE BATTERIES NEAR SPARKS OR OPEN FLAME. BATTERIES EMIT HIGHLY EXPLOSIVE HYDROGEN GAS. 15. DO NOT PERFORM SERVICE ON THE MACHINE WITHOUT PROPERLY SUPPORTING ELEVATING ASSEMBLY. 16. DO NOT ATTACH OVERHANGING LOADS OR INCREASE PLATFORM SIZE.

FOR DRIVING WITH PLATFORM ELEVATED:

- DRIVE ONLY ON A SMOOTH, FIRM, AND PLANAR SURFACE FREE OF OBSTRUCTIONS.
- DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD CAPACITY.
- LOAD MUST BE UNIFORMLY DISTRIBUTED.
- IF TILT WARNING LIGHT ILLUMINATES OR TILT ALARM SOUNDS LOWER PLATFORM AND RE-LEVEL.
- USE EXTREME CAUTION.

IMPROPER OPERATION OF THIS MACHINE COULD CAUSE DEATH OR SERIOUS INJURY.

8

DANGER

YOU MUST NOT OPERATE THIS MACHINE:

UNLESS YOU HAVE BEEN AUTHORIZED TO USE AND TRAINED IN THE SAFE OPERATION OF THIS MACHINE.

TRAINING INCLUDES COMPLETE KNOWLEDGE OF THE SAFETY AND OPERATION INSTRUCTIONS CONTAINED IN THE MANUFACTURER'S MANUAL, ANSI MANUAL OF RESPONSIBILITIES, YOUR EMPLOYER'S WORK RULES AND APPLICABLE GOVERNMENTAL REGULATIONS.

AN UNAUTHORIZED AND UNTRAINED OPERATOR SUBJECTS THEMSELF AND OTHERS TO DEATH OR SERIOUS INJURY.

ELECTROCUTION HAZARD

THIS MACHINE IS NOT INSULATED.

MAINTAIN SAFE CLEARANCE FROM ELECTRICAL LINES AND APPARATUS. YOU MUST ALLOW FOR MACHINE SWAY, ROCK OR SAG AND ELECTRICAL LINES SWAYING.

THIS MACHINE DOES NOT PROVIDE PROTECTION FROM CONTACT WITH OR PROXIMITY TO AN ELECTRICALLY CHARGED CONDUCTOR.

YOU MUST MAINTAIN A CLEARANCE OF AT LEAST TEN (10) FEET BETWEEN ANY PART OF THIS MACHINE OR ITS LOAD AND ANY ELECTRICAL LINE OR APPARATUS CARRYING UP TO 50,000 VOLTS. ONE FOOT OF ADDITIONAL CLEARANCE IS REQUIRED FOR EVERY ADDITIONAL 30,000 VOLTS OR LESS.

DEATH OR SERIOUS INJURY WILL RESULT FROM CONTACT OR INADEQUATE CLEARANCE

TIP-OVER HAZARDS

- DO NOT DRIVE NEAR DROP-OFFS, HOLES, OPEN ELEVATOR SHAFTS, AND LOADING DOCKS
- DO NOT ELEVATE PLATFORM ON UNEVEN OR SOFT SURFACES
- DO NOT DRIVE ONTO UNEVEN OR SOFT SURFACES WHEN ELEVATED
- DO NOT RAISE PLATFORM IN WINDY OR GUSTY CONDITIONS

DEATH OR SERIOUS INJURY WILL RESULT FROM IMPROPER USE OF THIS EQUIPMENT

9

WARNING

USE OR OPERATION OF AN UNSPECTED WORK PLATFORM COULD CAUSE DEATH, PERSONAL INJURY.

NEW	1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	5TH YEAR	6TH YEAR	7TH YEAR	8TH YEAR	9TH YEAR	10TH YEAR
<ul style="list-style-type: none"> • DO NOT OPERATE THIS WORK PLATFORM IF AN INSPECTION HAS NOT BEEN PERFORMED WITHIN 13 MONTHS OF THE LAST RECORDED INSPECTION DATE. • STAMP MONTH/DAY/YEAR NEXT TO APPROPRIATE YEAR AFTER EACH INSPECTION. 										
<p>CHANGE OF OWNERSHIP OF THIS WORK PLATFORM MUST BE REPORTED TO MANUFACTURER:</p> <p>MEC Aerial Platform Sales Corp. 4780 E. Jensen Avenue Fresno, California 93725 Phone: (559) 263-9626</p>										

10

WARNING

- LANYARD ANCHORAGE POINTS ARE RECOMMENDED FOR WORK POSITIONING RESTRAINTS ONLY.

USE OF FALL ARREST SYSTEMS ATTACHED TO ANCHORAGE POINTS ON MOBILE EQUIPMENT MAY CAUSE MACHINE TO TIP, RESULTING IN SERIOUS INJURY OR DEATH.

11

CERTIFIED LANYARD ANCHORAGE POINT

12

2684

WARNING

MAXIMUM PLATFORM CAPACITY - EVENLY DISTRIBUTED

150 LBS 68 kg

5 PERSONS 1700 LBS 770 kg

2 PERSONS 700 LBS 320 kg

3084

WARNING

MAXIMUM PLATFORM CAPACITY - EVENLY DISTRIBUTED

200 LBS 91 kg

5 PERSONS 1700 LBS 770 kg

13

WARNING


DISTANCE FROM GROUND TO LADDER WILL VARY WITH GROUND VARIATIONS. CHECK DISTANCE BEFORE LEAVING PLATFORM.

14

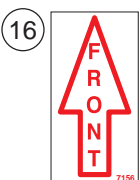
MADE IN USA

MEC AERIAL PLATFORM SALES CORP.

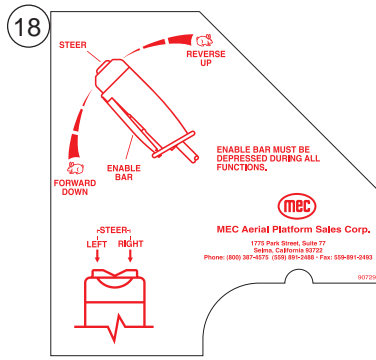
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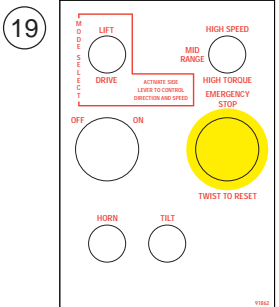
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18



19



17

LOCATE CONTROL BOX HERE

FOR NORMAL OPERATION OF THIS UNIT

21

THIS MACHINE HAS BEEN CONSTRUCTED IN ACCORDANCE WITH CAN B354.2-01.

20

AUTO LEVEL

HOLD SWITCH UNTIL LEVELING IS COMPLETE

MANUAL LEVEL

Front to Rear

Side to Side

HOLD SWITCH IN DESIRED DIRECTION

ILLUSTRATION No. ART_3124

Sigma Level

ANSI Speed Level™ ES Models: Sheet 1 of 4

Decals

Item	Part Number	Description	Qty.
1	90719	Decal, MEC Oval	1
2	91987	3084ES -- Decal, MEC 3084ES	2
	92232	2684ES -- Decal, MEC 3084ES	2
3	--	--	--
4	--	--	--
5	8911	Decal, Manuals Inside	1
6	91869	Decal, Warning, Sheet Loading	1
7	91846	Decal, Warning Panel	1
8	91845	Decal, Danger, Electric - Tipover - Wind Rating	1
9	90718	Warning, Inspection Report	1
10	8606	Warning, Lanyard (Option)	1
11	8605	Decal, Anchorage Point (Option)	5
12	91847	3084 -- Decal, Capacity, 1500 LB	2
	92228	2684 -- Decal, Capacity, 1700 LB	2
13	91849	Decal, Ladder Clearance	1
14	90739	Decal, Made in USA	1
15	91850	Decal, Crush Hazard	4
16	7156	Decal, Front	1
17	7155	Decal, Locate Control Box Here	1
18	90729	Decal, Upper Control Box, Side	1
19	91862	Decal, Upper Controls	1
20	91843	Decal, Level Controls	1
21	90794	CAN B354 (Canadian Only)	1

Decals, ES Models, ANSI Specification - Part 2

22

26

29

32

36

38

ES MODELS - ANSI

23

24

2684

PLATFORM CAPACITY
1700 LBs (770kg)

3084

PLATFORM CAPACITY
1500 LBs (680kg)

25

27

28

30

31

33

34

37

39

ILLUSTRATION No.
ART_3125

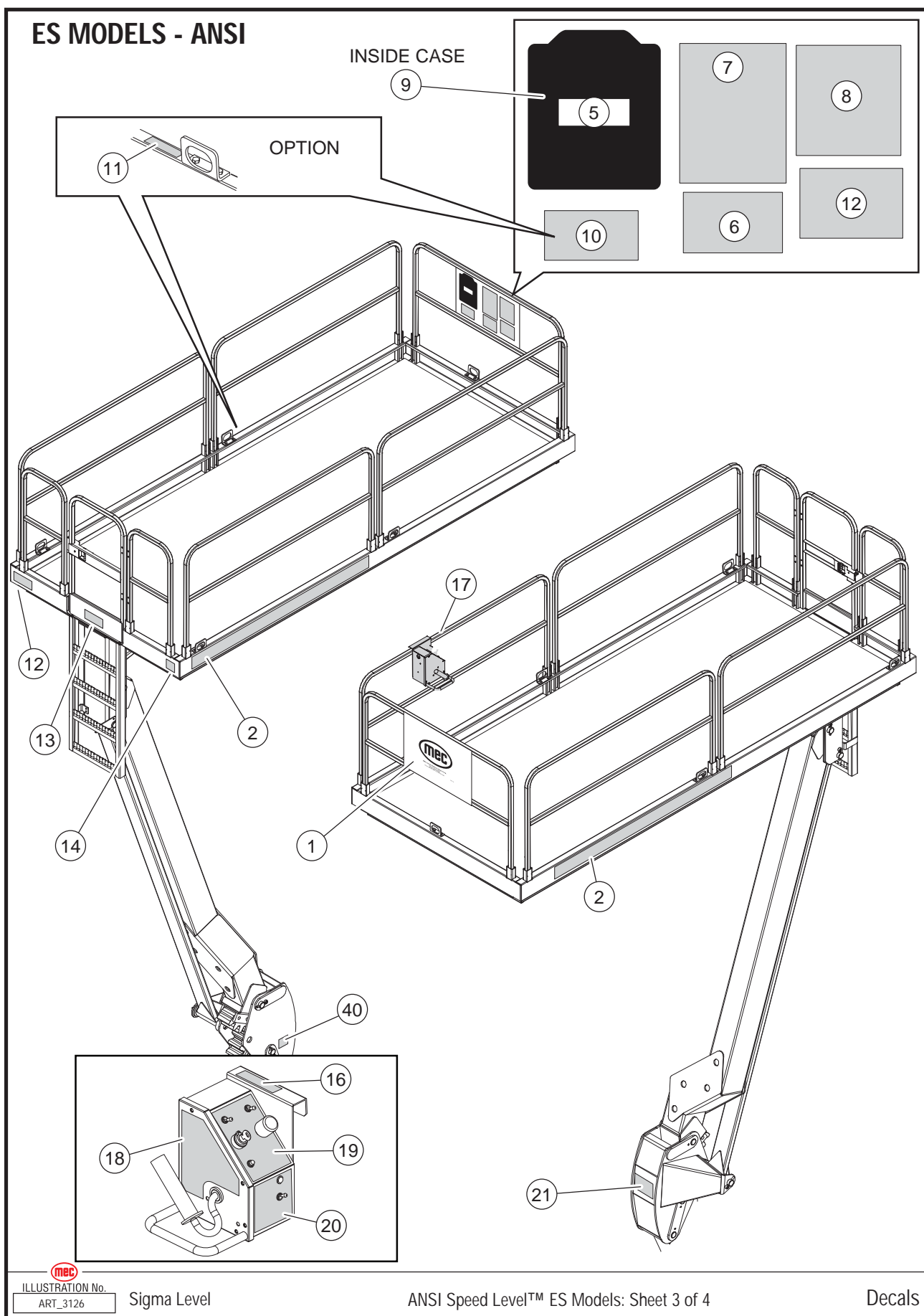
Sigma Level

ANSI Speed Level™ ES Models: Sheet 2 of 4

Decals

Item	Part Number	Description	Qty.
22	91864	Decal, Lower Controls	1
23	91266	Decal, Quad Trax 4wd	2
24	91848	3084 -- Decal, Platform Capacity, Small	1
	92122	2684 -- Decal, Platform Capacity, Small	1
25	9052	Decal, Battery Disconnect And Lock	1
26	8779	Warning, Battery, Explosive Gas	1
27	91774	Warning, Battery Replacement	1
28	11026730	Tie Down Point	2
29	90732	Decal, Warning, Pressure Wash	1
30	6873	Decal, Hydraulic Oil	1
31	90750	Decal, Battery Charger	1
32	92089	Decal, Brake Release	1
33	8502	Decal, Tire Inflation	4
34	91956	Decal, Battery Charge Indicator	1
35	--	--	--
36	90725	Decal, Warning, Tire Replacement	4
37	90751	Decal, Power To Platform	1
38	91592	Serial Plate	1
39	91870	Decal, Greaseport	1

Decals, ES Models, ANSI Specification - Part 3



Decals, ES Models, ANSI Specification - Part 4

ES MODELS - ANSI

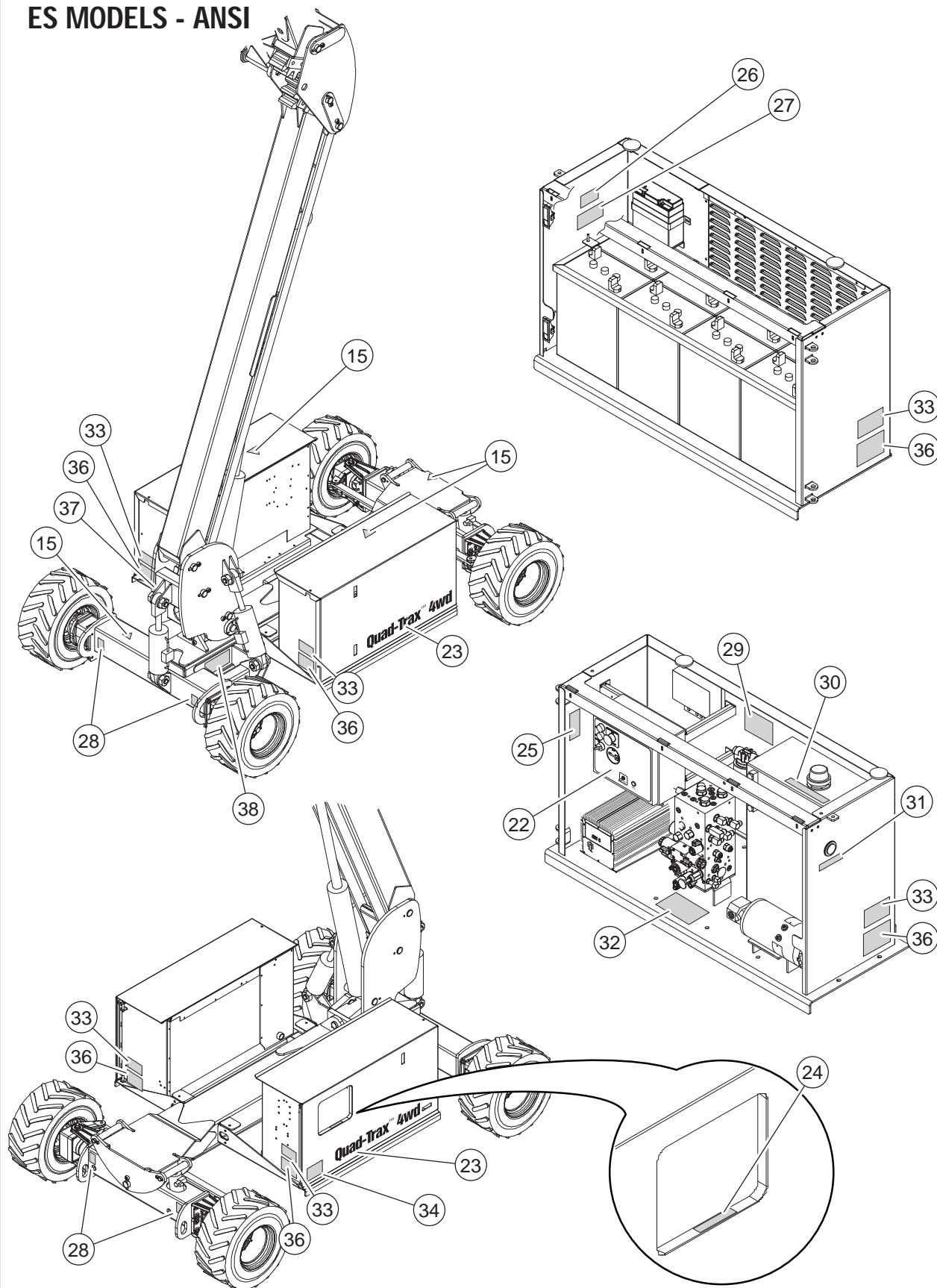



ILLUSTRATION No.
ART_3127

Sigma Level

ANSI Speed Level™ ES Models: Sheet 4 of 4

Decals


Decals, RT Models, ANSI Specification - Part 1


1 

2 3084RT
mec 3084RT SPEED LEVEL™

2684RT
mec 2684RT SPEED LEVEL™

RT MODELS - ANSI


5 

6  **WARNING**

• SHEET LOADING GATE MUST BE IN LOWERED LOCKED POSITION BEFORE OPERATING FROM PLATFORM.

• PLATFORM ENTRANCE MUST BE PROPERLY CLOSED AND ALL GUARDRAILS PROPERLY IN PLACE AND SECURED BEFORE OPERATING FROM PLATFORM.

FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE DEATH OR SERIOUS INJURY.

7  **WARNING**

INSPECT MACHINE AND MAKE SURE THAT IT IS OPERATING PROPERLY, THAT ALL NAME PLATE AND SAFETY AND CONTROL DECALS ARE IN PLACE AND LEGIBLE, AND THAT THE MACHINE IS IN ACCORDANCE WITH THE MANUFACTURER'S MAINTENANCE REQUIREMENTS CONTAINED IN THE OPERATION AND MAINTENANCE MANUAL AND THE DAILY SAFETY CHECKLIST.

OPERATE MACHINE WITH EXTREME CAUTION. WATCH FOR OBSTRUCTIONS WHICH MAY STRIKE PLATFORM, PERSONNEL, CONTROLS, OR MACHINE. OPERATE CONTROLS SLOWLY FOR SMOOTH PLATFORM MOTION.

FOR DRIVING WITH PLATFORM LOWERED:

- DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD LIMIT CAPACITY. LOAD TO BE UNIFORMLY DISTRIBUTED. PLACE LOAD NEAR CENTER OF PLATFORM WHEN POSSIBLE.
- DO NOT DRIVE ON SIDE SLOPE IF PLATFORM IS OVER 2% OFF LEVEL.
- DO NOT DRIVE UP OR DOWN A GRADE OF OVER 40%.


FOR DRIVING WITH PLATFORM ELEVATED:

- DRIVE ONLY ON A SMOOTH, FIRM, AND PLANAR SURFACE FREE OF OBSTRUCTIONS.
- DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD CAPACITY.
- LOAD MUST BE UNIFORMLY DISTRIBUTED.
- IF TILT WARNING LIGHT ILLUMINATES OR TILT ALARM SOUNDS LOWER PLATFORM AND RE-LEVEL.
- USE EXTREME CAUTION.

OTHER HAZARDS


- DO NOT EXCEED PLATFORM LOAD CAPACITY.
- DO NOT EXCEED MAXIMUM SIDE FORCE AND MAXIMUM NUMBER OF OCCUPANTS.
- DO NOT USE WITHOUT GUARD RAILS IN PLACE, AND ENTRY GATE PROPERLY SECURED.
- DO NOT USE IF WORK PLATFORM IS NOT WORKING PROPERLY OR IF ANY PART IS DAMAGED OR WORN.
- DO NOT USE NEAR MOVING VEHICLES OR CRANES.
- DO NOT STAND OR SIT ON GUARDRAILS. ALL PERSONNEL SHALL ALWAYS MAINTAIN FIRM FOOTING ON PLATFORM FLOOR.
- DO NOT USE WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.
- DO NOT OVERRIDE SAFETY DEVICES.
- DO NOT LEAVE MACHINE UNATTENDED WITH KEY IN THE SWITCH.
- DO NOT RAISE PLATFORM WHILE MACHINE IS ON A TRUCK, FORKLIFT, OR OTHER DEVICE OR VEHICLE.
- DO NOT USE LADDER, SCAFFOLDING, OR OTHER DEVICES TO INCREASE SIZE OR WORKING HEIGHT OF PLATFORM.
- DO NOT ENTER OR EXIT PLATFORM WHILE IN MOTION.
- DO NOT RECHARGE BATTERIES NEAR SPARKS OR OPEN FLAME. BATTERIES EMIT HIGHLY EXPLOSIVE HYDROGEN GAS.
- DO NOT PERFORM SERVICE ON THE MACHINE WITHOUT PROPERLY SUPPORTING ELEVATING ASSEMBLY.
- DO NOT ATTACH OVERHANGING LOADS OR INCREASE PLATFORM SIZE.

IMPROPER OPERATION OF THIS MACHINE COULD CAUSE DEATH OR SERIOUS INJURY.

9  **WARNING**

USE OR OPERATION OF AN UNSPECTED WORK PLATFORM COULD CAUSE DEATH, PERSONAL INJURY.

NEW	• DO NOT OPERATE THIS WORK PLATFORM IF AN INSPECTION HAS NOT BEEN PERFORMED WITHIN 13 MONTHS OF THE LAST RECORDED INSPECTION DATE.	6TH YEAR
1ST YEAR	• STAMP MONTH/DAY/YEAR NEXT TO APPROPRIATE YEAR AFTER EACH INSPECTION.	7TH YEAR
2ND YEAR		8TH YEAR
3RD YEAR		9TH YEAR
4TH YEAR	CHANGE OF OWNERSHIP OF THIS WORK PLATFORM MUST BE REPORTED TO MANUFACTURER:	10TH YEAR
5TH YEAR	MEC Aerial Platform Sales Corp. 4780 E. Jensen Avenue Fresno, California 93725 Phone: (559) 263-9626	93725

10  **WARNING**

• LANYARD ANCHORAGE POINTS ARE RECOMMENDED FOR WORK POSITIONING RESTRAINTS ONLY.

USE OF FALL ARREST SYSTEMS ATTACHED TO ANCHORAGE POINTS ON MOBILE EQUIPMENT MAY CAUSE MACHINE TO TIP, RESULTING IN SERIOUS INJURY OR DEATH.

12 **2684**

WARNING

MAXIMUM PLATFORM CAPACITY - EVENLY DISTRIBUTED

150 LBS
68 kg

5 PERSONS
1700 LBS
770 kg

2 PERSONS
700 LBS
320 kg


3084

WARNING


MAXIMUM PLATFORM CAPACITY - EVENLY DISTRIBUTED


150 LBS
68 kg

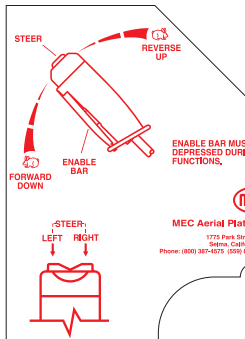
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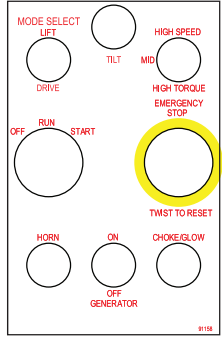
13  **WARNING**


DISTANCE FROM GROUND TO LADDER WILL VARY WITH GROUND VARIATIONS. CHECK DISTANCE BEFORE LEAVING PLATFORM.

15 

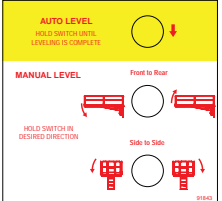
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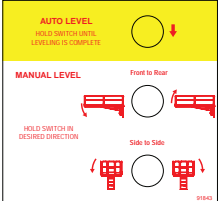
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17  **LOCATE CONTROL BOX HERE**

FOR NORMAL OPERATION OF THIS UNIT

20 

21 **THIS MACHINE HAS BEEN CONSTRUCTED IN ACCORDANCE WITH CAN B354.2-01.**

20 




ILLUSTRATION No.
ART_3128

Sigma Level

ANSI Speed Level™ RT Models: Sheet 1 of 4

Decals

Item	Part Number	Description	Qty.
1	90719	Decal, MEC Oval	1
2	91990	3084RT -- Decal, Speed Level	2
	92231	2684RT -- Decal, Speed Level	2
3	--	--	--
4	--	--	--
5	8911	Decal, Manuals Inside	1
6	91869	Decal, Warning, Sheet Loading	1
7	91846	Decal, Warning Panel	1
8	91845	Decal, Danger, Electric - Tipover - Wind Rating	1
9	90718	Warning, Inspection Report	1
10	8606	Warning, Lanyard (Option)	1
11	8605	Decal, Anchorage Point (Option)	5
12	91847	3084 -- Decal, Capacity, 1500 LB	2
	92228	2684 -- Decal, Capacity, 1700 LB	2
13	91849	Decal, Ladder Clearance	1
14	90739	Decal, Made in USA	1
15	91850	Decal, Crush Hazard	4
16	7156	Decal, Front	1
17	7155	Decal, Locate Control Box Here	1
18	90729	Decal, Upper Control Box, Side	1
19	91158	Decal, Upper Controls	1
20	91843	Decal, Level Controls	1
21	90794	CAN B354 (Canadian Only)	1

Decals, RT Models, ANSI Specification - Part 2

22 DIESEL

23 DUAL FUEL

RT MODELS - ANSI

24

27

29

32

36

37

38

25

2684
PLATFORM CAPACITY
1700 LBs (770kg)

3084
PLATFORM CAPACITY
1500 LBs (680kg)

28

30

31

34

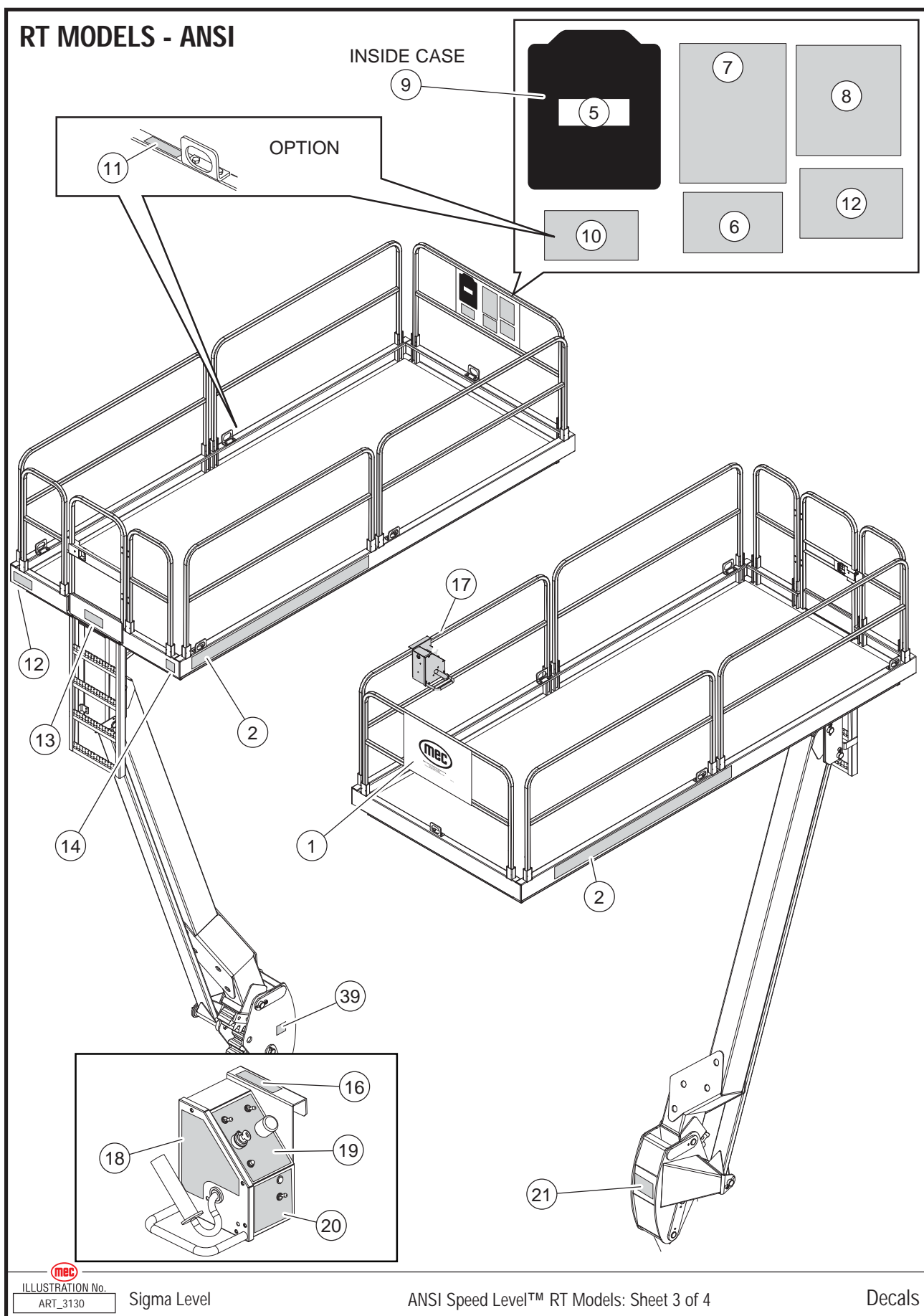
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MEC AERIAL PLATFORM SALES CORP.		MFG. DATE	MODEL NUMBER	SERIAL NUMBER	MODEL YEAR
MAX. PLATFORM CAPACITY INCLUDING PERSONS XXX kg = X PERSONS + XXX kg EQUIPMENT XXX kg = X PERSONS + XXX kg EQUIPMENT		XXXX	XXXXXX	XXXXXXXXXX	20XX
MAX. DRIVE HEIGHT X X FT 2.5m		ELECTRICAL VOLTAGE 120 VOLT		MAX. MANUAL FORCE XXX LBS XXX N	
MAX. PLATFORM HEIGHT X X FT X.X m		MAX. GROUND PRESSURE PER WHEEL XXX PSI XX kg/cm²		MAX. LOAD PER WHEEL XXX LBS XXX kg	
MAX. WIND SPEED X MPH X m/s		MAX. HYDRAULIC SYSTEM PRESSURE XXX PSI XXXX bar			

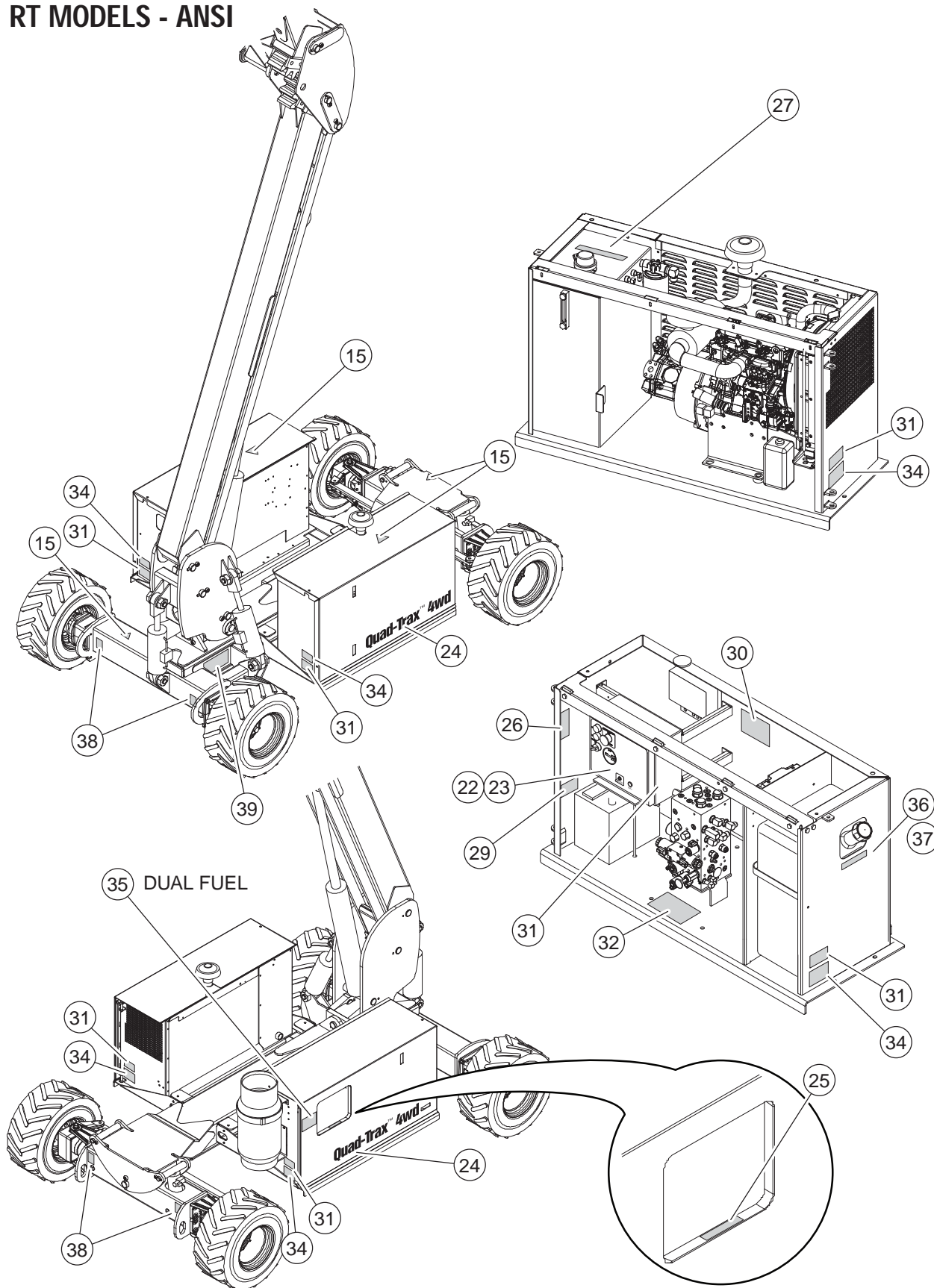
40

Item	Part Number	Description	Qty.
22	91930	Decal, Lower Controls Diesel	1
23	91854	Decal, Lower Controls Dual Fuel	1
24	91266	Decal, Quad Trax 4wd	2
25	91848	3084 -- Decal, Platform Capacity, Small	1
	92122	2684 -- Decal, Platform Capacity, Small	1
26	9052	Decal, Battery Disconnect And Lock	1
27	6873	Decal, Hydraulic Oil	1
28	90751	Decal, Power To Platform	1
29	8779	Warning, Battery, Explosive Gas	1
30	90732	Decal, Warning, Pressure Wash	1
31	8502	Decal, Tire Inflation	4
32	92089	Decal, Brake Release	1
33	--	--	--
34	8519	Decal, Warning, Tire Replacement	4
35	6948	Decal, Warning, LPG Dual Fuel	1
36	6872	Decal, Gasoline Only Dual Fuel	1
37	9378	Decal, Diesel Only Diesel	1
38	11026730	Tie Down Point	2
39	90751	Serial Plate	1
40	91870	Decal, Grease Port	1


Decals, RT Models, ANSI Specification - Part 3





RT MODELS - ANSI




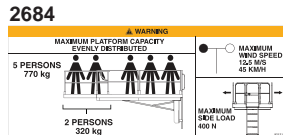
Decals, ES Models, CE Specification - Part 1


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5 


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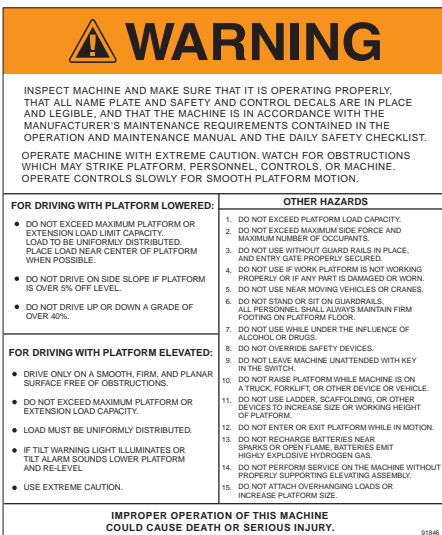
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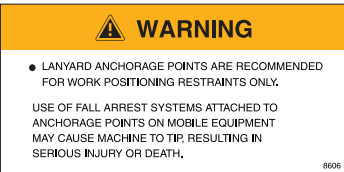
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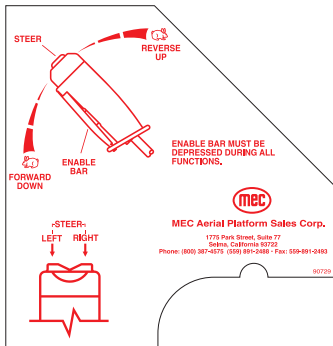
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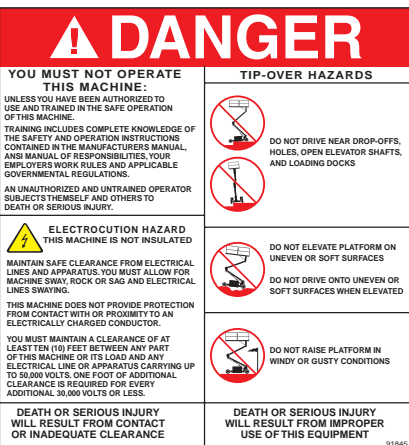
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7 


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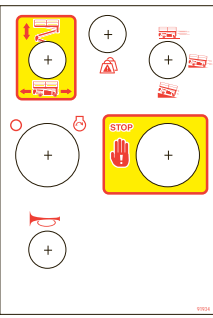
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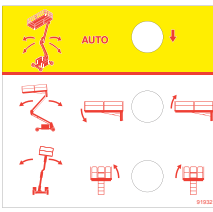
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8 

11 

14 

19 

20 

 ILLUSTRATION No. ART_3398

Sigma Level

CE Speed Level™ ES Models: Sheet 1 of 4

Decals

Item	Part Number	Description	Qty.
1	90719	Decal, MEC Oval	1
2	91987	3084ES -- Decal, MEC 3084ES	2
	92232	2684ES -- Decal, MEC 3084ES	2
3	--	--	--
4	--	--	--
5	8911	Decal, Manuals Inside	1
6	91869	Decal, Warning, Sheet Loading	1
7	91846	Decal, Warning Panel	1
8	91845	Decal, Danger, Electric - Tipover - Wind Rating	1
9	90718	Warning, Inspection Report	1
10	8606	Warning, Lanyard	1
11	8605	Decal, Anchorage Point	5
12	91944	3084 - Decal, Capacity, 1500 LB	2
	92121	2684 - Decal, Capacity, 1700 LB	2
13	91849	Decal, Ladder Clearance	1
14	90739	Decal, Made in USA	1
15	91850	Decal, Crush Hazard	1
16	7156	Decal, Front	1
17	7155	Decal, Locate Control Box Here	1
18	90729	Decal, Upper Control Box, Side	1
19	91934	Decal, Upper Controls	1
20	91932	Decal, Level Controls	1
21	--	--	--

Decals, ES Models, CE Specification - Part 2

22

26

29

33

INFLATE TO TIRE MANUFACTURER'S MAX. SPECIFICATIONS OR SEE SERVICE MANUAL

36

WARNING

- REPLACE TIRES WITH MANUFACTURER'S EQUIPMENT ONLY.
- FAILURE TO USE MANUFACTURER'S TIRES MAY CAUSE MACHINE INSTABILITY.
- REFER TO MAINTENANCE MANUAL FOR REPLACEMENT PART NUMBER.

39

2684ES

MAX

3065 lbs

1390 kg

3084ES

MAX

3175 lbs

1440 kg

ES MODELS - CE

23

Quad-Trax™ 4wd

24

2684

PLATFORM CAPACITY
1700 Lbs (770kg)

3084

PLATFORM CAPACITY
1500 Lbs (680kg)

25

27

WARNING

- EACH REPLACEMENT BATTERY MUST WEIGH A MINIMUM OF 111 POUNDS / 50.3 kg
- FAILURE TO MEET MINIMUM WEIGHT REQUIREMENT MAY CAUSE MACHINE INSTABILITY.

28

30

HYDRAULIC OIL

31

100-240 VAC

50/60 Hz

34

BATTERY CHARGER INDICATOR

	YELLOW	80%	100%	FAULT
No AC power to charger	OFF	OFF	OFF	OFF
Normal operation, charger is charging	ON	OFF	OFF	OFF
Normal battery is over 80% charged	ON	ON	OFF	OFF
Normal battery is 100% charged	OFF	OFF	ON	OFF

38

MEC AERIAL PLATFORM SALES CORP.		DATE	MODEL NUMBER	SERIAL NUMBER	MODEL YEAR
MAX PLATFORM CAPACITY INCLUDING PERSONS		XXX lbs / X PERSONS + XXX kg EQUIPMENT	XXX lbs / X PERSONS + XXX kg EQUIPMENT	XXXXXXX	XXXX
MAX. CHARGE VOLTAGE		XXX VDC	XXX VDC	XXXXXXX	XXXX
MAX. MANUAL FORCE		XXX LBS	XXX LBS	XXXXXXX	XXXX
MAX. PLATFORM HEIGHT		XXX FT	XXX FT	XXXXXXX	XXXX
MAX. WIND SPEED		XXX MPH	XXX MPH	XXXXXXX	XXXX
MAX. GROUND PRESSURE PSI WHEEL		XXX PSI	XXX PSI	XXXXXXX	XXXX
MAX. LOAD PRESSURE PSI		XXX PSI	XXX PSI	XXXXXXX	XXXX

40

GREASE PORT

(Slide to open)

41

DANGER

THIS MACHINE IS NOT INSULATED!! DEATH OR SERIOUS INJURY will result from contact with or inadequate clearance from any electrically charged conductor.

MINIMUM CLEARANCES FROM POWER LINES

CLEARANCES FOR OPERATING ELEVATING WORK PLATFORMS NEAR POWER LINES WHILE IN OPERATING MODE

OVERHEAD POWER LINES ON POLES

OVERHEAD POWER LINES ON TOWERS

ILLUSTRATION No.
ART_3399

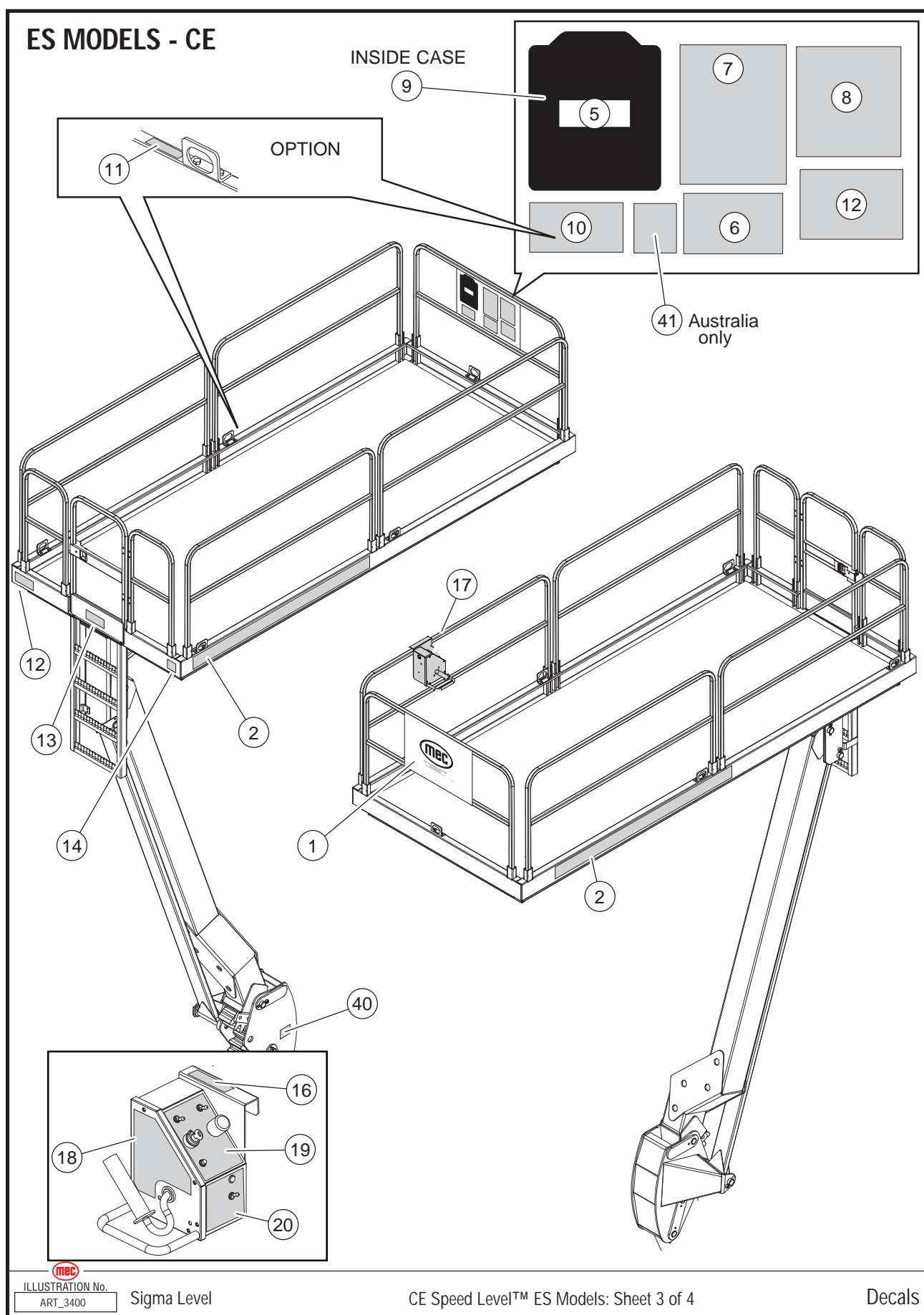
Sigma Level

CE Speed Level™ ES Models: Sheet 2 of 4

Decals

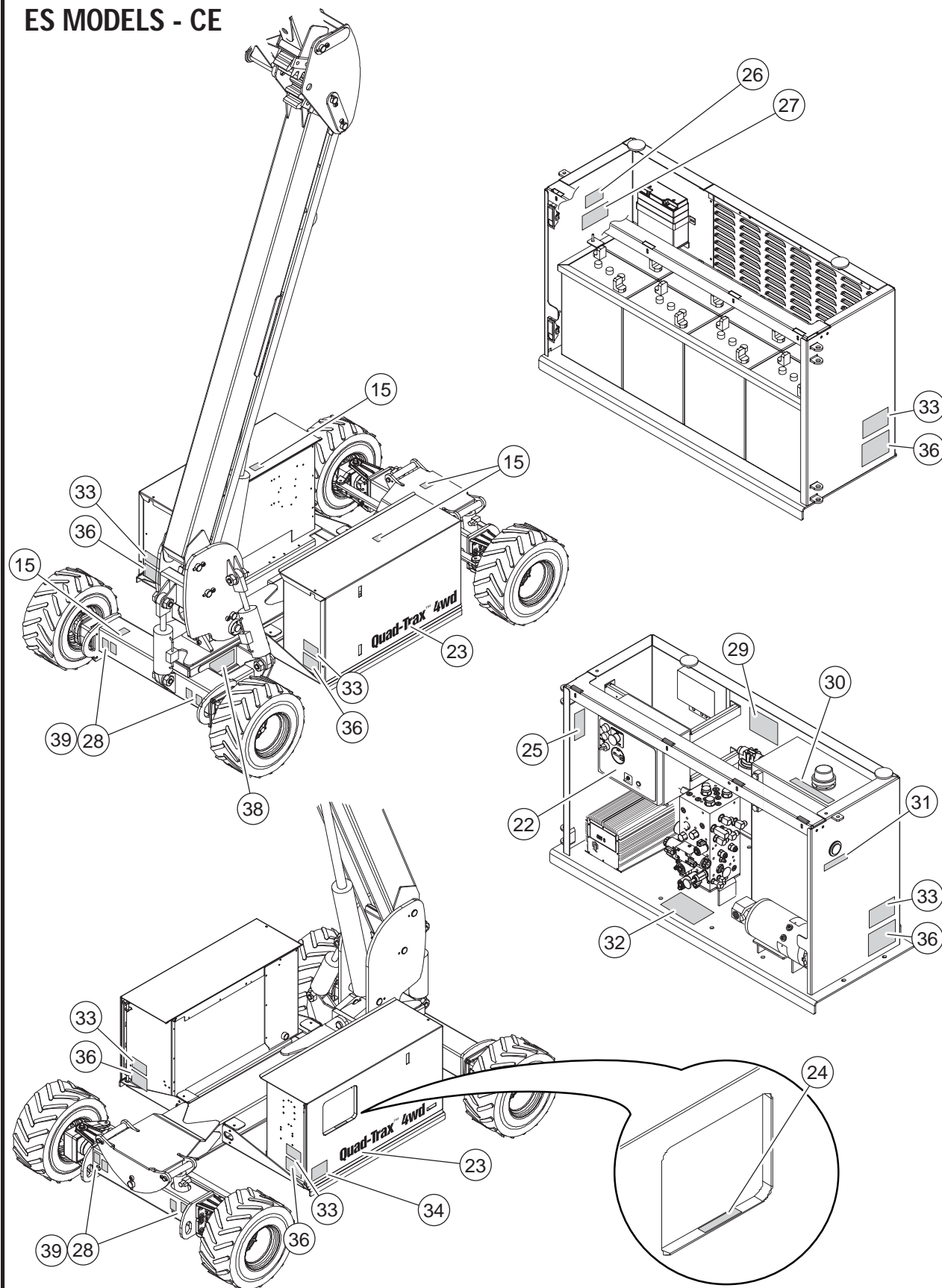
Item	Part Number	Description	Qty.
22	91931	Decal, Lower Controls	1
23	91266	Decal, Quad Trax 4wd	2
24	91848	3084 - Decal, Platform Capacity, Small	1
	92122	2684 - Decal, Platform Capacity, Small	1
25	9052	Decal, Battery Disconnect And Lock	1
26	8779	Warning, Battery, Explosive Gas	1
27	91774	Warning, Battery Replacement	1
28	11026730	Tie Down Point	1
29	90732	Decal, Warning, Pressure Wash	1
30	6873	Decal, Hydraulic Oil	1
31	90919	Decal, Battery Charger	1
32	92089	Decal, Brake Release	1
33	8502	Decal, Tire Inflation	4
34	91956	Decal, Battery Charge Indicator	1
35	8867	Tag, Warning	1
36	8519	Decal, Warning, Tire Replacement	4
37	90751	Decal, Power To Platform	1
38	91775	Serial Plate	1
39	91946	3084ES - Decal, Wheel Load	4
	92229	2684ES - Decal, Wheel Load	4
40	91870	Decal, Grease Port	1
41	91325	Decal, Danger, Electrocution Hazard (AUS Only)	1

Decals, ES Models, CE Specification - Part 3



Decals, ES Models, CE Specification - Part 4

ES MODELS - CE




mec
ILLUSTRATION No.
ART_3401


Sigma Level


CE Speed Level™ ES Models: Sheet 4 of 4


Decals


Decals, RT Models, CE Specification - Part 1


1 


2 3084RT



2684RT


5 

6 **WARNING**
• SHEET LOADING GATE MUST BE IN LOWERED LOCKED POSITION BEFORE OPERATING FROM PLATFORM.
• PLATFORM ENTRANCE MUST BE PROPERLY CLOSED AND ALL GUARDRAILS PROPERLY IN PLACE AND SECURED BEFORE OPERATING FROM PLATFORM.
FAILURE TO FOLLOW INSTRUCTIONS COULD CAUSE DEATH OR SERIOUS INJURY.


7 **WARNING**
 INSPECT MACHINE AND MAKE SURE THAT IT IS OPERATING PROPERLY, THAT ALL NAME PLATE AND SAFETY AND CONTROL DECALS ARE IN PLACE AND LEGIBLE, AND THAT THE MACHINE IS IN ACCORDANCE WITH THE MANUFACTURER'S MAINTENANCE REQUIREMENTS CONTAINED IN THE OPERATION AND MAINTENANCE MANUAL AND THE DAILY SAFETY CHECKLIST.
 OPERATE MACHINE WITH EXTREME CAUTION. WATCH FOR OBSTRUCTIONS WHICH MAY STRIKE PLATFORM, PERSONNEL, CONTROLS, OR MACHINE. OPERATE CONTROLS SLOWLY FOR SMOOTH PLATFORM MOTION.
FOR DRIVING WITH PLATFORM LOWERED:
 • DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD LIMIT CAPACITY. LOAD TO BE UNIFORMLY DISTRIBUTED. PLACE LOAD NEAR CENTER OF PLATFORM WHEN POSSIBLE.
 • DO NOT DRIVE ON SIDE SLOPE IF PLATFORM IS OVER 2% OFF LEVEL.
 • DO NOT DRIVE UP OR DOWN A GRADE OF OVER 40%.
FOR DRIVING WITH PLATFORM ELEVATED:
 • DRIVE ONLY ON A SMOOTH, FIRM, AND PLANAR SURFACE FREE OF OBSTRUCTIONS.
 • DO NOT EXCEED MAXIMUM PLATFORM OR EXTENSION LOAD CAPACITY.
 • LOAD MUST BE UNIFORMLY DISTRIBUTED.
 • IF TILT WARNING LIGHT ILLUMINATES OR TILT ALARM SOUNDS LOWER PLATFORM AND RE-LEVEL.
 • USE EXTREME CAUTION.
OTHER HAZARDS
 1. DO NOT EXCEED PLATFORM LOAD CAPACITY.
 2. DO NOT EXCEED MAXIMUM SIDE FORCE AND MAXIMUM NUMBER OF OCCUPANTS.
 3. DO NOT USE WITHOUT GUARD RAILS IN PLACE, AND ENTRY GATE PROPERLY SECURED.
 4. DO NOT USE IF WORK PLATFORM IS NOT WORKING PROPERLY OR IF ANY PART IS DAMAGED OR WORK.
 5. DO NOT USE NEAR MOVING VEHICLES OR CRANES.
 6. DO NOT STAND OR SIT ON GUARDRAILS.
 7. DO NOT USE WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.
 8. DO NOT OVERRIDE SAFETY DEVICES.
 9. DO NOT LEAVE MACHINE UNATTENDED WITH KEY IN THE SWITCH.
 10. DO NOT RAISE PLATFORM WHILE MACHINE IS ON A TRUCK, FORKLIFT, OR OTHER DEVICE OR VEHICLE.
 11. DO NOT USE LADDER, SCAFFOLDING, OR OTHER DEVICES TO INCREASE SIZE OR WORKING HEIGHT OF PLATFORM.
 12. DO NOT ENTER OR EXIT PLATFORM WHILE IN MOTION.
 13. DO NOT RECHARGE BATTERIES NEAR SPARKS OR OPEN FLAME. BATTERIES EMIT HIGHLY EXPLOSIVE HYDROGEN GAS.
 14. DO NOT PERFORM SERVICE ON THE MACHINE WITHOUT PROPERLY SUPPORTING ELEVATING ASSEMBLY.
 15. DO NOT ATTACH OVERHANGING LOADS OR INCREASE PLATFORM SIZE.
IMPROPER OPERATION OF THIS MACHINE COULD CAUSE DEATH OR SERIOUS INJURY.


8 **DANGER**
YOU MUST NOT OPERATE THIS MACHINE:
 UNLESS YOU HAVE BEEN AUTHORIZED TO USE AND TRAINED IN THE SAFE OPERATION OF THIS MACHINE.
 TRAINING INCLUDES COMPLETE KNOWLEDGE OF THE SAFETY AND OPERATION INSTRUCTIONS CONTAINED IN THE MANUFACTURER'S MANUAL, ANSI MANUAL OF RESPONSIBILITIES, YOUR EMPLOYER'S WORK RULES AND APPLICABLE GOVERNMENTAL REGULATIONS.
 AN UNAUTHORIZED AND UNTRAINED OPERATOR SUBJECTS THEMSELF AND OTHERS TO DEATH OR SERIOUS INJURY.
ELECTROCUTION HAZARD
 THIS MACHINE IS NOT INSULATED.
 MAINTAIN SAFE CLEARANCE FROM ELECTRICAL LINES AND APPARATUS. YOU MUST ALLOW FOR MACHINE SWAY, ROCK OR SAG AND ELECTRICAL LINES SWAYING.
 THIS MACHINE DOES NOT PROVIDE PROTECTION FROM CONTACT WITH OR PROXIMITY TO AN ELECTRICALLY CHARGED CONDUCTOR.
 YOU MUST MAINTAIN A CLEARANCE OF AT LEAST 10 FEET BETWEEN ANY PART OF THIS MACHINE OR ITS LOAD AND ANY ELECTRICAL LINE OR APPARATUS CARRYING UP TO 50,000 VOLTS. ONE FOOT OF ADDITIONAL CLEARANCE IS REQUIRED FOR EVERY ADDITIONAL 30,000 VOLTS OR LESS.
DEATH OR SERIOUS INJURY WILL RESULT FROM CONTACT OR INADEQUATE CLEARANCE.
TIP-OVER HAZARDS
 DO NOT DRIVE NEAR DROP-OFFS, HOLES, OPEN ELEVATOR SHAFTS, AND LOADING DOCKS.
 DO NOT ELEVATE PLATFORM ON UNEVEN OR SOFT SURFACES.
 DO NOT DRIVE ONTO UNEVEN OR SOFT SURFACES WHEN ELEVATED.
 DO NOT RAISE PLATFORM IN WINDY OR GUSTY CONDITIONS.
DEATH OR SERIOUS INJURY WILL RESULT FROM IMPROPER USE OF THIS EQUIPMENT.


9 **WARNING**
 USE OR OPERATION OF AN UNINSPECTED WORK PLATFORM COULD CAUSE DEATH, PERSONAL INJURY.


NEW	• DO NOT OPERATE THIS WORK PLATFORM IF AN INSPECTION HAS NOT BEEN PERFORMED WITHIN 13 MONTHS OF THE LAST RECORDED INSPECTION DATE. • STAMP MONTH/DAY/YEAR NEXT TO APPROPRIATE YEAR AFTER EACH INSPECTION. — NOTICE — CHANGE OF OWNERSHIP OF THIS WORK PLATFORM MUST BE REPORTED TO MANUFACTURER: MEC Aerial Platform Sales Corp. 4780 E. Jensen Avenue Fresno, California 93725 Phone: (559) 263-9626	6TH YEAR
1ST YEAR		7TH YEAR
2ND YEAR		8TH YEAR
3RD YEAR		9TH YEAR
4TH YEAR		10TH YEAR


5TH YEAR


10 **WARNING**
 • LANYARD ANCHORAGE POINTS ARE RECOMMENDED FOR WORK POSITIONING RESTRAINTS ONLY.
 USE OF FALL ARREST SYSTEMS ATTACHED TO ANCHORAGE POINTS ON MOBILE EQUIPMENT MAY CAUSE MACHINE TO TIP, RESULTING IN SERIOUS INJURY OR DEATH.


11 **CERTIFIED LANYARD ANCHORAGE POINT**


12 2684
**WARNING**
 MAXIMUM PLATFORM CAPACITY
 EVENLY DISTRIBUTED
 5 PERSONS
 770 kg
 2 PERSONS
 320 kg
 MAXIMUM WIND SPEED
 12.5 M/S
 45 KMH
 MAXIMUM SIDE LOAD
 400 N


3084
**WARNING**
 MAXIMUM PLATFORM CAPACITY
 EVENLY DISTRIBUTED
 680 kg
 5 PERSONS
 MAXIMUM WIND SPEED
 12.5 M/S
 45 KMH
 MAXIMUM SIDE LOAD
 400 N

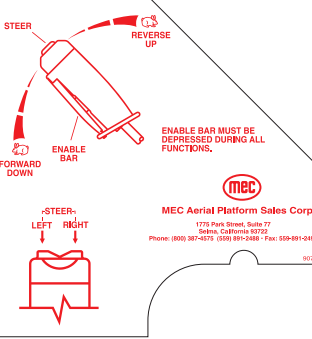
13 **WARNING**
 DISTANCE FROM GROUND TO LADDER WILL VARY WITH GROUND VARIATIONS. CHECK DISTANCE BEFORE LEAVING PLATFORM.

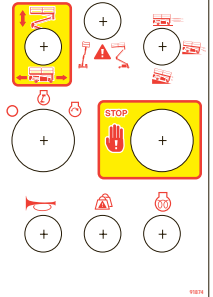
14 **MADE IN USA**
 MEC AERIAL PLATFORM SALES CORP.

15 **WARNING**

16 **FRONT**

17 **LOCATE CONTROL BOX HERE**
 FOR NORMAL OPERATION OF THIS UNIT

18 **STEER**
 REVERSE UP
 ENABLE BAR
 FORWARD DOWN
 STEER LEFT RIGHT
 MEC Aerial Platform Sales Corp.
 1776 Park Street, Suite 77
 Santa, California 95755
 Phone: (800) 367-4575 (559) 891-9488 Fax: (559) 891-9489

19 

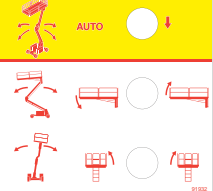
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ILLUSTRATION No.
ART_3402

Sigma Level

CE Speed Level™ RT Models: Sheet 1 of 4

Decals

Item	Part Number	Description	Qty.
1	90719	Decal, MEC Oval	1
2	91990	3084RT -- Decal, Speed Level	2
	92231	2684RT -- Decal, Speed Level	2
3	--	--	--
4	--	--	--
5	8911	Decal, Manuals Inside	1
6	91869	Decal, Warning, Sheet Loading	1
7	91846	Decal, Warning Panel	1
8	91845	Decal, Danger, Electric - Tipover - Wind Rating	1
9	90718	Warning, Inspection Report	1
10	8606	Warning, Lanyard	1
11	8605	Decal, Anchorage Point	5
12	91944	3084 - Decal, Capacity, 1500 LB	2
	92121	2684 - Decal, Capacity, 1700 LB	2
13	91849	Decal, Ladder Clearance	1
14	90739	Decal, Made in USA	1
15	91850	Decal, Crush Hazard	4
16	7156	Decal, Front	1
17	7155	Decal, Locate Control Box Here	1
18	90729	Decal, Upper Control Box, Side	1
19	91874	Decal, Upper Controls	1
20	91932	Decal, Level Controls	1
21	--	--	--

Decals, RT Models, CE Specification - Part 2

22

26

30

HYDRAULIC OIL

36

WARNING

- REPLACE TIRES WITH MANUFACTURER'S EQUIPMENT ONLY.
- FAILURE TO USE MANUFACTURER'S TIRES MAY CAUSE MACHINE INSTABILITY.
- REFER TO MAINTENANCE MANUAL FOR REPLACEMENT PART NUMBER.

40

GREASE PORT
(Slide to open)

42

L WA
86 dB

RT MODELS - CE

23

Quad-Trax™ 4wd

24

2684
PLATFORM CAPACITY
1700 LBs (770kg)

3084
PLATFORM CAPACITY
1500 LBs (680kg)

25

28

29

WARNING

DO NOT POWERWASH OR SPRAY ELECTRONIC COMPONENTS OR CONNECTORS. MOISTURE MAY CAUSE DAMAGE AND/OR ERRATIC OPERATION

32

33

INFLATE TO TIRE MANUFACTURER'S MAX. SPECIFICATIONS OR SEE SERVICE MANUAL

38

MEC AERIAL PLATFORM SALES CORP.		MEC DATE	MODEL NUMBER	SERIAL NUMBER	MODEL YEAR
		XXXX	XXXXXX	XXXXXXXXXX	20XX
ELECTRICAL VOLTAGE					
MAX. PLATFORM CAPACITY INCLUDING PERSONS XXX kg + X PERSONS + XXX kg EQUIPMENT XXX lb + X PERSONS + XXX lb EQUIPMENT					
MAX. DRIVE HEIGHT					
XXX ft XXX m					
MAX. WIND SPEED					
X mph X m/s					
MAX. GROUND PRESSURE PER WHEEL					
XXX psi XXX kg/cm²					
MAX. LOAD PER WHEEL					
XXX kg XXX lb					
MAX. HYDRAULIC SYSTEM PRESSURE					
XXX psi XXX bar					

39

2684

MAX
2855 lbs
1295 kg

3084

MAX
2965 lbs.
1345 kg

41

Australia only

DANGER

THIS MACHINE IS NOT INSULATED! DEATH OR SERIOUS INJURY WILL RESULT FROM CONTACT WITH OR INDISTINCT DISTANCE FROM ANY ELECTRICALLY CHARGED CONDUCTOR.

MINIMUM CLEARANCES FROM POWER LINES

CLEARANCES FOR OPERATING ELEVATING WORK PLATFORMS NEAR POWER LINES WHILE IN OPERATING MODE

OVERHEAD POWER LINES ON POLES

NO GO ZONE

FOR THE PLATFORM OPERATOR, THE MINIMUM CLEARANCE FROM OVERHEAD POWER LINES ON POLES IS 10 METERS (33 FEET) FOR ALL MODELS.

OVERHEAD POWER LINES ON TOWERS

NO GO ZONE

FOR THE PLATFORM OPERATOR, THE MINIMUM CLEARANCE FROM OVERHEAD POWER LINES ON TOWERS IS 10 METERS (33 FEET) FOR ALL MODELS.



ILLUSTRATION No.
ART_3403

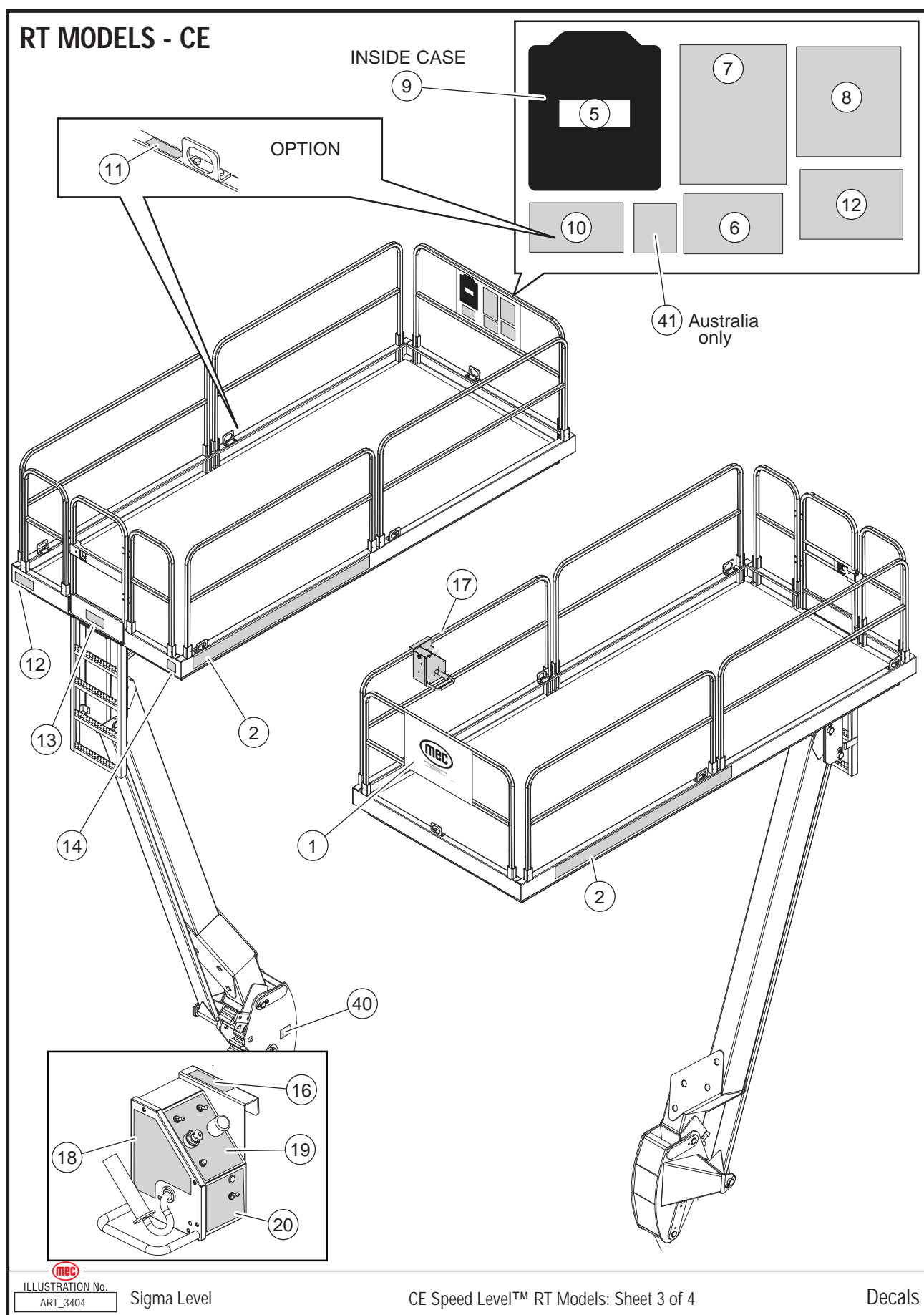
Sigma Level

CE Speed Level™ RT Models: Sheet 2 of 4

Decals

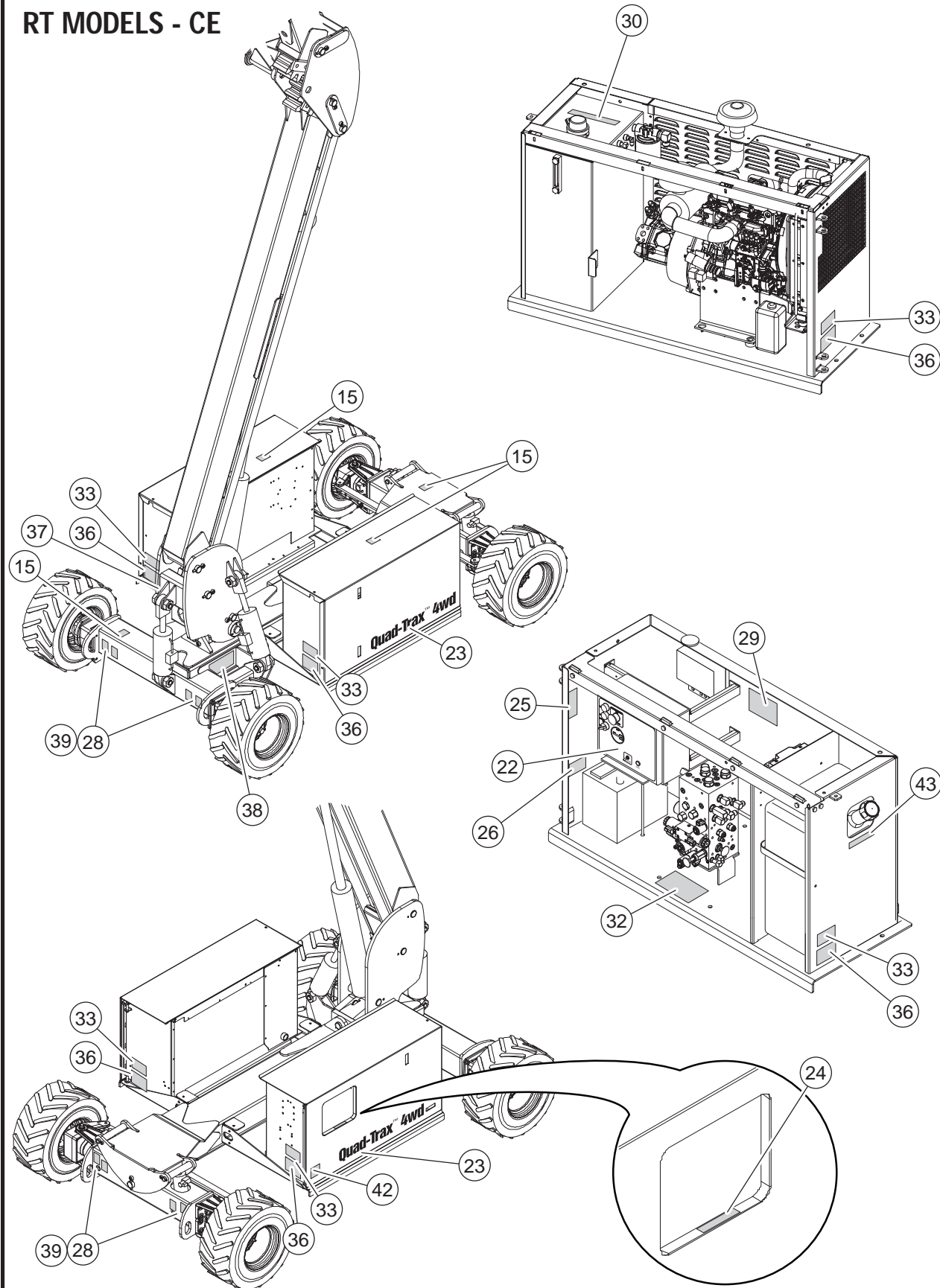
Item	Part Number	Description	Qty.
22	91930	Decal, Lower Controls	1
23	91266	Decal, Quad Trax 4wd	2
24	91848	3084 - Decal, Platform Capacity, Small	1
	92122	2684 - Decal, Platform Capacity, Small	1
25	9052	Decal, Battery Disconnect And Lock	1
26	8779	Warning, Battery, Explosive Gas	1
27	--	--	--
28	11026730	Tie Down Point	1
29	90732	Decal, Warning, Pressure Wash	1
30	6873	Decal, Hydraulic Oil	1
31	--	--	--
32	92089	Decal, Brake Release	1
33	8502	Decal, Tire Inflation	4
34	--	--	--
35	--	--	--
36	8519	Decal, Warning, Tire Replacement	4
37	--	--	--
38	91775	Serial Plate	1
39	91945	3084RT - Decal, Wheel Load	4
	92227	2684RT - Decal, Wheel Load	4
40	91870	Decal, Grease Port	1
41	91325	Decal, Danger, Electrocution Hazard (AUS Only)	1
42	91388	Decal, Noise Level	1
43	9378	Decal, Diesel Only	1

Decals, RT Models, CE Specification - Part 3



Decals, RT Models, CE Specification - Part 4

RT MODELS - CE



mec
ILLUSTRATION No.
ART_3405

Sigma Level

CE Speed Level™ RT Models: Sheet 4 of 4

Decals



Service Parts Order Form

Fax to 559 - 263 - 9631

Please fill out completely

Date: _____

Ordered By: _____

Account: _____

Your Fax No.: _____

Bill to: _____

Ship to: _____

Purchase Order Number _____

Ship VIA _____

** All orders MUST have a Purchase Order Number

**Fed Ex shipments require Fed Ex account number

Part Number	Description	Quantity	Price

All back-ordered parts will be shipped when available via the same ship method as original order unless noted below:

- ☐ Ship complete order only - No Backorders
- ☐ Ship all available parts and contact customer on disposition of back-ordered parts
- ☐ Other (Please specify)



Limited Owner Warranty

MEC Aerial Platform Sales Corp. warrants its equipment to the original purchaser against defects in material and/or workmanship under normal use and service for one (1) year from date of registered sale or date the unit left the factory if not registered. MEC Aerial Platform Sales Corp. further warrants the structural weldments of the main frame and scissor arms to be free from defects in material or workmanship for five (5) years from date of registered sale or date unit left the factory if not registered. Excluded from such warranty is the battery(s) which carries a ninety (90) day warranty from described purchase date. Warranty claims within such warranty period shall be limited to repair or replacement, MEC Aerial Platform Sales Corp's option, of the defective part in question and labor to perform the necessary repair or replacement based on MEC Aerial Platform Sales Corp's then current flat rate, provided the defective part in question is shipped prepaid to MEC Aerial Platform Sales Corp. and is found upon inspection by MEC Aerial Platform Sales Corp. to be defective in material and/or workmanship. MEC Aerial Platform Sales Corp. shall not be liable for any consequential, incidental or contingent damages whatsoever. Use of other than factory authorized parts; misuse, improper maintenance, or modification of the equipment voids this warranty. The foregoing warranty is exclusive and in lieu of all other warranties, express or implied. All such other warranties, including implied warranties of merchantability and of fitness for a particular purpose, are hereby excluded. No Dealer, Sales Representative, or other person purporting to act on behalf of MEC Aerial Platform Sales Corp. is authorized to alter the terms of this warranty, or in any manner assume on behalf of MEC Aerial Platform Sales Corp. any liability or obligation which exceeds MEC Aerial Platform Sales Corp's obligations under this warranty.



MEC Aerial Work Platforms

1401 S. Madera Avenue, Kerman, CA 93630 USA

Toll Free: 1 - 877 - 632 - 5438

Phone: 1 - 559 - 842 - 1500

Fax: 1 - 559 - 842 - 1520

info@MECawp.com

www.MECawp.com