

WHEEL BUGGIES

AW16-B



PARTS & DECALS MANUAL

Manual Part #: 068517P | Revision: A
Language: English | Original Instructions



Wheel Buggy

PARTS & DECALS MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
073000	AW16-B, All Electric Wheel Buggy, Poly-Bucket, Foam Filled Tires

For information regarding the following, please see “AW16-B Safety & Operations Manual”

- Warranty Information
- Dealer Information
- How to Identify the Model / Serial Numbers on the Machine
- Technical Specifications

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Section 1 PARTS

Factory Service Information

Replacement Parts Procedure

SECTION 1

PARTS

We recommend AEC quality replacement parts, available from the AEC Customer Service Department or your nearest AEC Dealer.

Part numbers are subject to change without notice. Part numbers might be different outside of the United States of America. Use part numbers listed in the applicable parts list table when you place your order. If a part number changes, the AEC Customer Service Department or your nearest AEC dealer will have the latest part number for the replacement part.

Remember when you order replacement parts, you will need your model number and serial number. These are the numbers that you have recorded in the UNIT ID section of the safety and operations manual. Please order replacement parts by the appropriate part number, not the key number.

This manual contains an illustrated parts list for help in ordering replacement parts for your machine. Follow the instructions below when ordering parts to insure prompt and accurate delivery:

1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number from the "PARTS" Section 1.
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO NOT** return parts to AEC without receiving written authorization from AEC. All authorized returns must be shipped pre-paid.
5. When placing an order, please contact the AEC Dealer nearest you.



All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication.



All set screws have blue (LOC-TITE™) applied at the factory. If a set screw is removed or loosened for any reason re-apply blue (LOC-TITE™)



All grease fittings are capped with CAP PLUG GC-5 (AEC PN 015692) to protect the fitting. If the cap is missing or damaged replace it as soon as possible.

SECTION 1 PARTS

General Arrangement

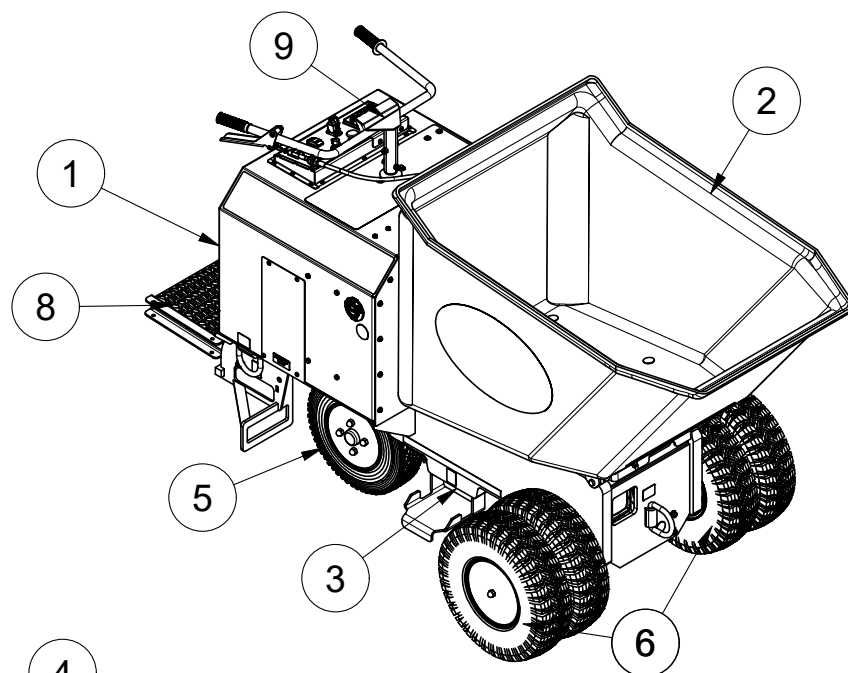


ITEM	PART #	DESCRIPTION	QTY
1	073015	ASSEMBLY, AW16-B CONTROL CABINET	1
2	073077	ASSEMBLY, BUCKET 16 FT ³	1
3	073129	ASSEMBLY, AW16-B CHASSIS	1

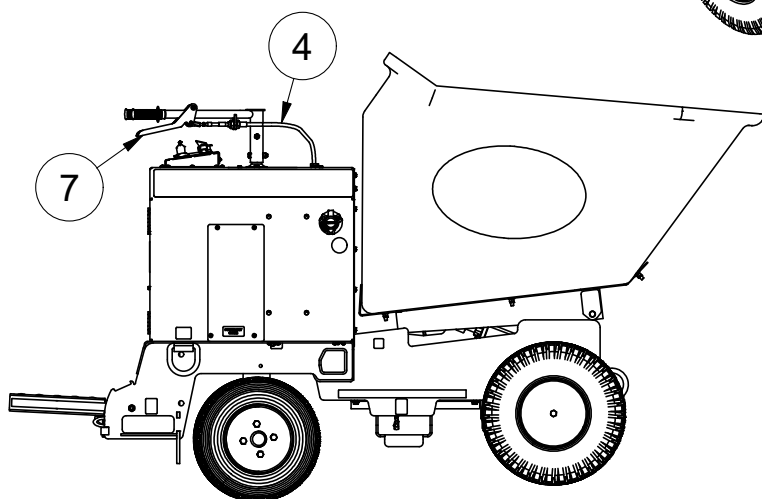
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SECTION 1 PARTS

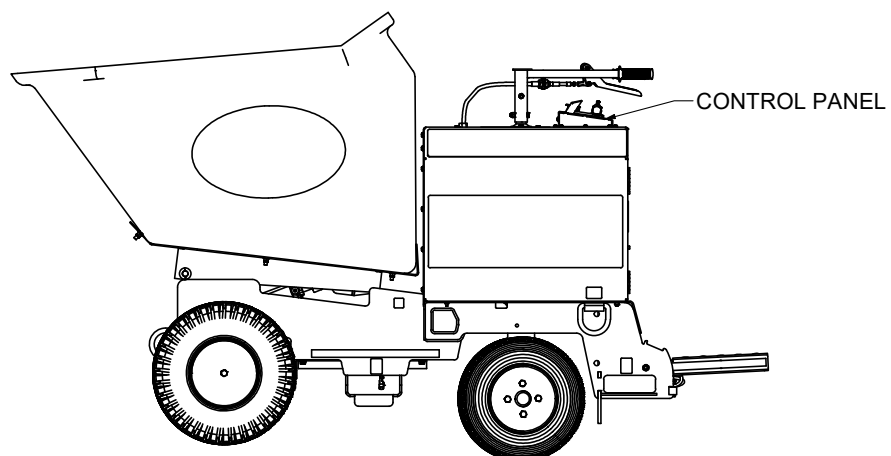
General Arrangement Continued



RIGHT SIDE



LEFT SIDE



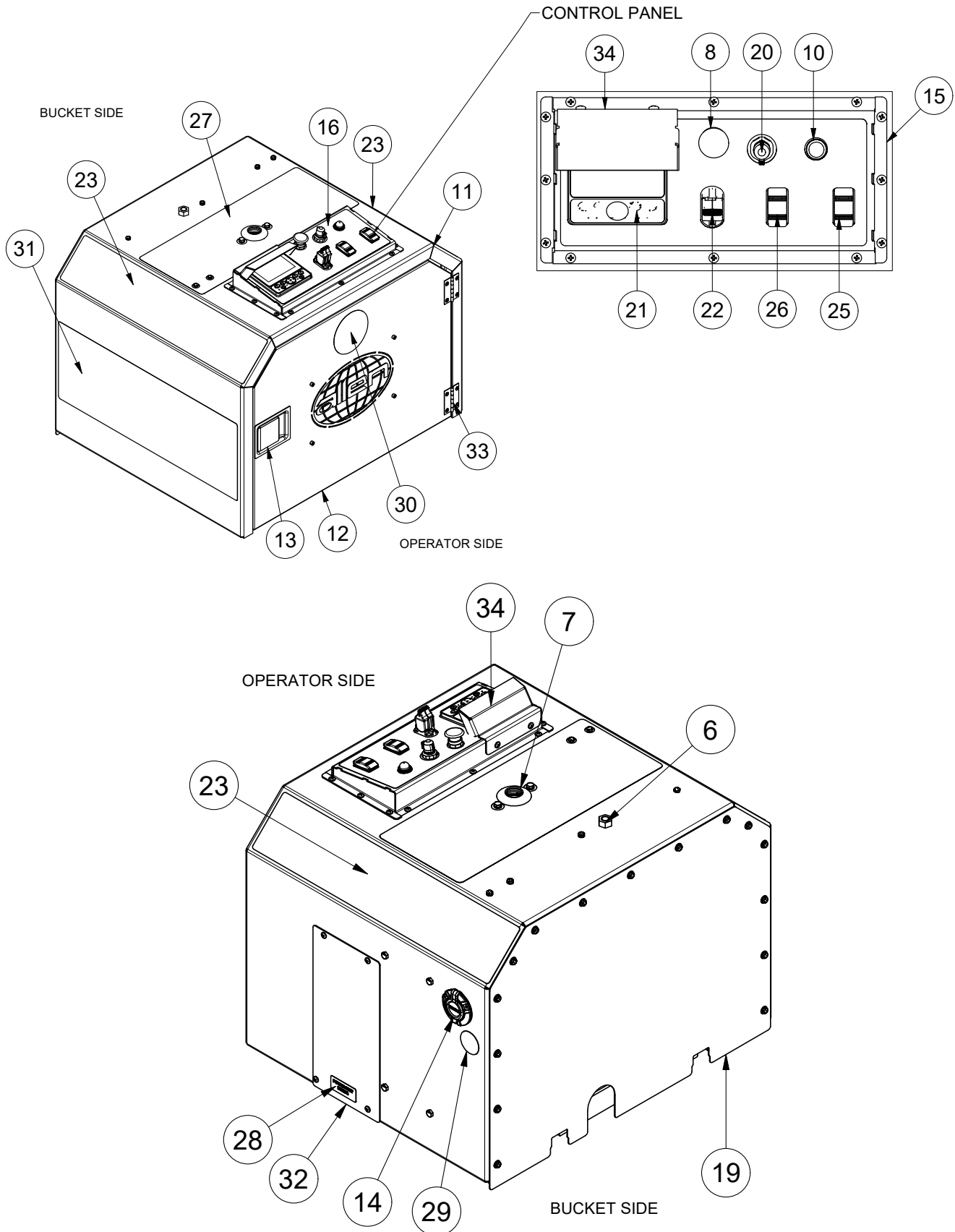
General Arrangement Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	073002	WELDMENT, CABINET	1
2	073077	ASSEMBLY, BUCKET 16 FT ³	1
3	073020	WELDMENT, BUGGY CHASSIS	1
4	073037	THROTTLE CABLE	1
5	073045	ASSEMBLY, STEERING COLUMN AND TIRE	1
6	073073	ASSEMBLY, FRONT / DRIVE WHEEL	2
7	42107-25	THROTTLE CONTROL LEVER	1
8	42115-01	OPERATOR PLATFORM	1
9	42126-01	HANDLEBAR	1

SECTION 1 PARTS

Control Cabinet Assembly



Control Cabinet Assembly Parts List

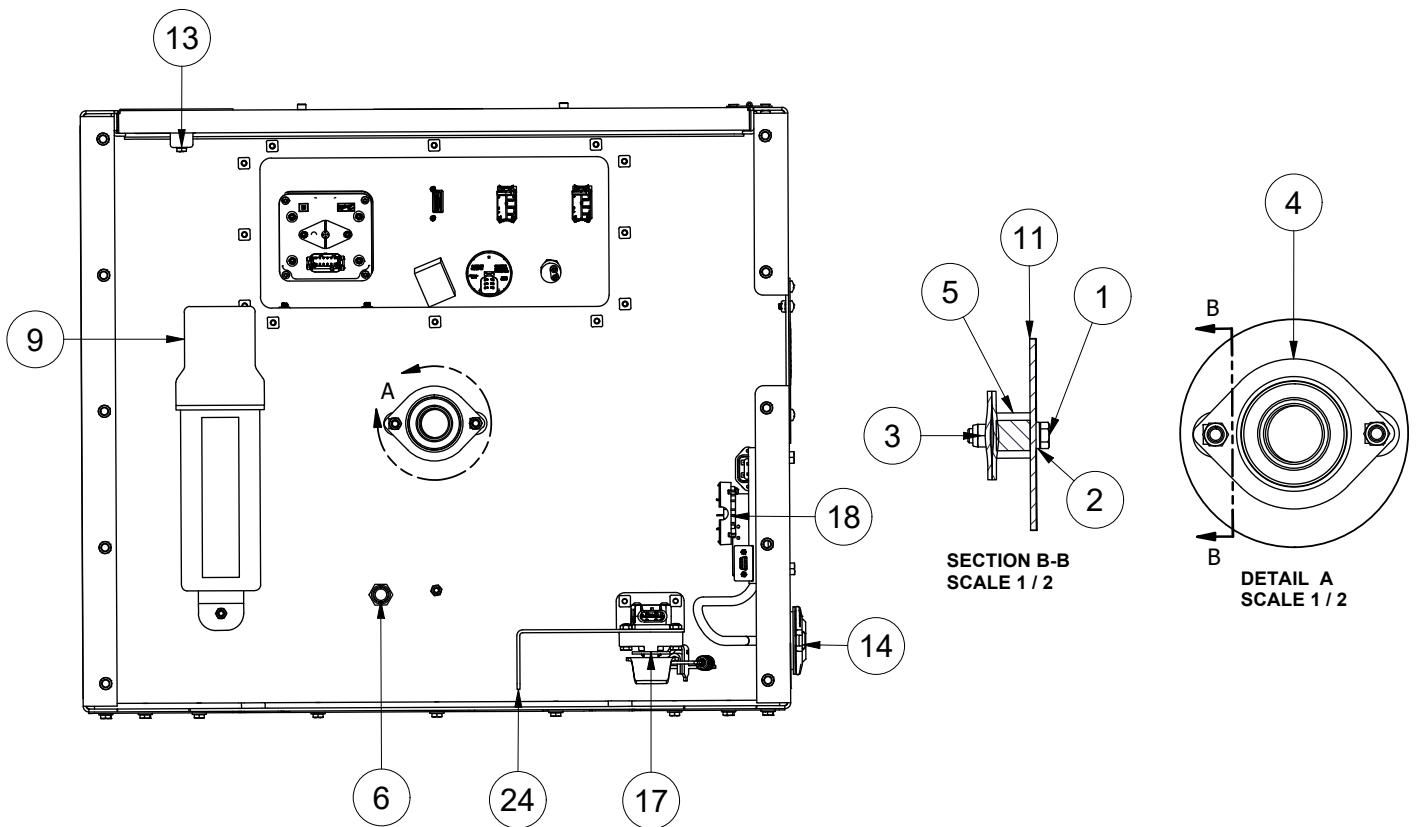
SECTION 1 PARTS

ITEM	PART #	DESCRTIPTION	QTY
1	010052	FASTENER, HHCS 5/16" X 5/8"	2
2	010090	FASTENER, LOCK WASHER 5/16" GR8	2
3	012612	FASTENER, NUT HEX NYLOCK 5/16"-18	2
4	32100-8	FLANGED BEARING	1
5	32100-21	ISOLATOR, STUD MOUNTED RUBBER	2
6	42107-30	GRIP, METAL CORD 0.375" TO 0.450" OD	1
7	42126-09	WASHER, RUBBER	1
8	45043-04	PUSH BUTTON, E-STOP	1
9	066255	MANUAL TUBE	1
10	068956	SWITCH, HORN	1
11	073002	WELDMENT, CABINET	1
12	073003	WELDMENT, CABINET DOOR	1
13	073011	LATCH FOR CABINET DOOR	1
14	073012	CHARGING PORT	1
15	073018	WELDMENT, CONTROL PANEL	1
16	073023A	DECAL, CONTROL PANEL	1
17	073026	SENSOR, THROTTLE CONTROL	1
18	073027	BATTERY CARGER	1
19	073033	REAR CABINET PANEL	1
20	073046	SWITCH, ROTARY ON/OFF	1
21	073079	DISPLAY, DM430	1
22	073080	SWITCH, BUCKET DUMP	1
23	073091	DECAL, SIDE AW16-B PANEL	2
24	073110	WELDMENT, THROTTLE CABLE BRACKET	1
25	073118	SWITCH, FWD N REV ROCKER SWITCH	1
26	073119	SWITCH, LED LIGHT ROCKER SWITCH	1
27	073125	DECAL, TOP AW16-B PANEL	1
28	073126	DECAL, POWER UNIT, ACCESS POINT	1
29	073127	DECAL, CHARGE PORT AW16-B	1
30	073534	DECAL, BATTERY POWERED	1
31	074116	DECAL, BATTERY POWERED SIDE PANEL	1
32	074942	PLATE, POWER UNIT COVER	1
33	074944	HINGE FOR CABINET DOOR	2
34	074957	SHEILD FOR DISPLAY	1

SECTION 1 PARTS

Control Cabinet Assembly Continued

UNDERSIDE



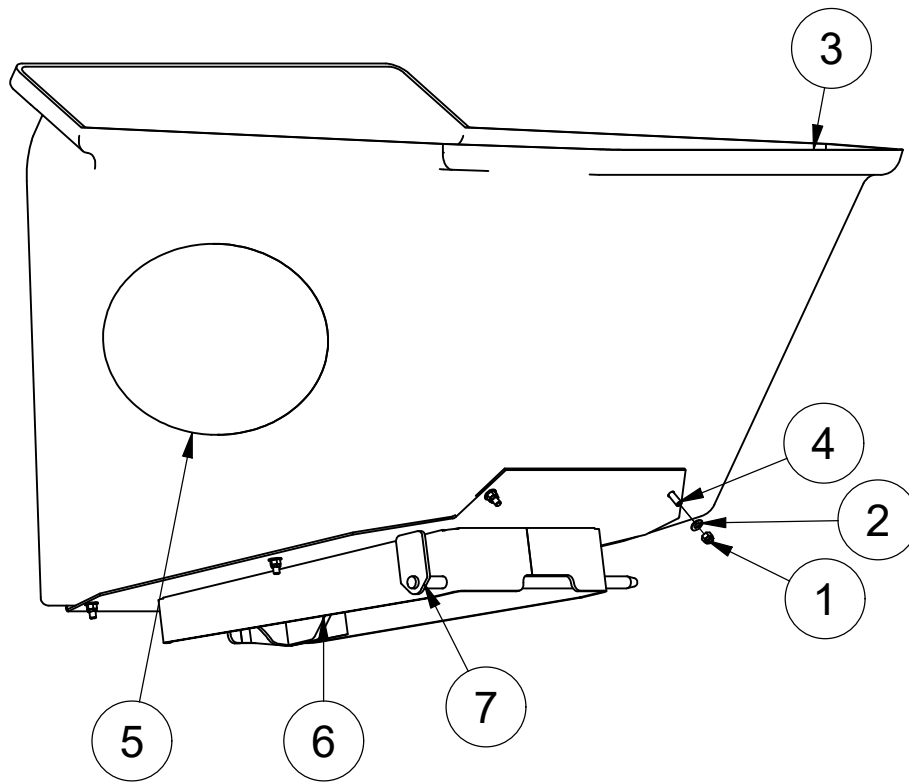
Control Cabinet Assembly Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRTIPTION	QTY
1	010052	FASTENER, HHCS 5/16" X 5/8"	2
2	010090	FASTENER, LOCK WASHER 5/16" GR8	2
3	012612	FASTENER, NUT HEX NYLOCK 5/16"-18	2
4	32100-8	FLANGED BEARING	1
5	32100-21	ISOLATOR, STUD MOUNTED RUBBER	2
6	42107-30	GRIP, METAL CORD 0.375" TO 0.450" OD	1
7	42126-09	WASHER, RUBBER	1
8	45043-04	PUSH BUTTON, E-STOP	1
9	066255	MANUAL TUBE	1
10	068956	SWITCH, HORN	1
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12	073003	WELDMENT, CABINET DOOR	1
13	073011	LATCH FOR CABINET DOOR	1
14	073012	CHARGING PORT	1
15	073018	WELDMENT, CONTROL PANEL	1
16	073023A	DECAL, CONTROL PANEL	1
17	073026	SENSOR, THROTTLE CONTROL	1
18	073027	BATTERY CARGER	1
19	073033	REAR CABINET PANEL	1
20	073046	SWITCH, ROTARY ON/OFF	1
21	073079	DISPLAY, DM430	1
22	073080	SWITCH, BUCKET DUMP	1
23	073091	DECAL, SIDE AW16-B PANEL	2
24	073110	WELDMENT, THROTTLE CABLE BRACKET	1
25	073118	SWITCH, FWD N REV ROCKER SWITCH	1
26	073119	SWITCH, LED LIGHT ROCKER SWITCH	1
27	073125	DECAL, TOP AW16-B PANEL	1
28	073126	DECAL, POWER UNIT, ACCESS POINT	1
29	073127	DECAL, CHARGE PORT AW16-B	1
30	073534	DECAL, BATTERY POWERED	1
31	074116	DECAL, BATTERY POWERED SIDE PANEL	1
32	074942	PLATE, POWER UNIT COVER	1
33	074944	HINGE FOR CABINET DOOR	2
34	074957	SHEILD FOR DISPLAY	1

SECTION 1 PARTS

Bucket Assembly

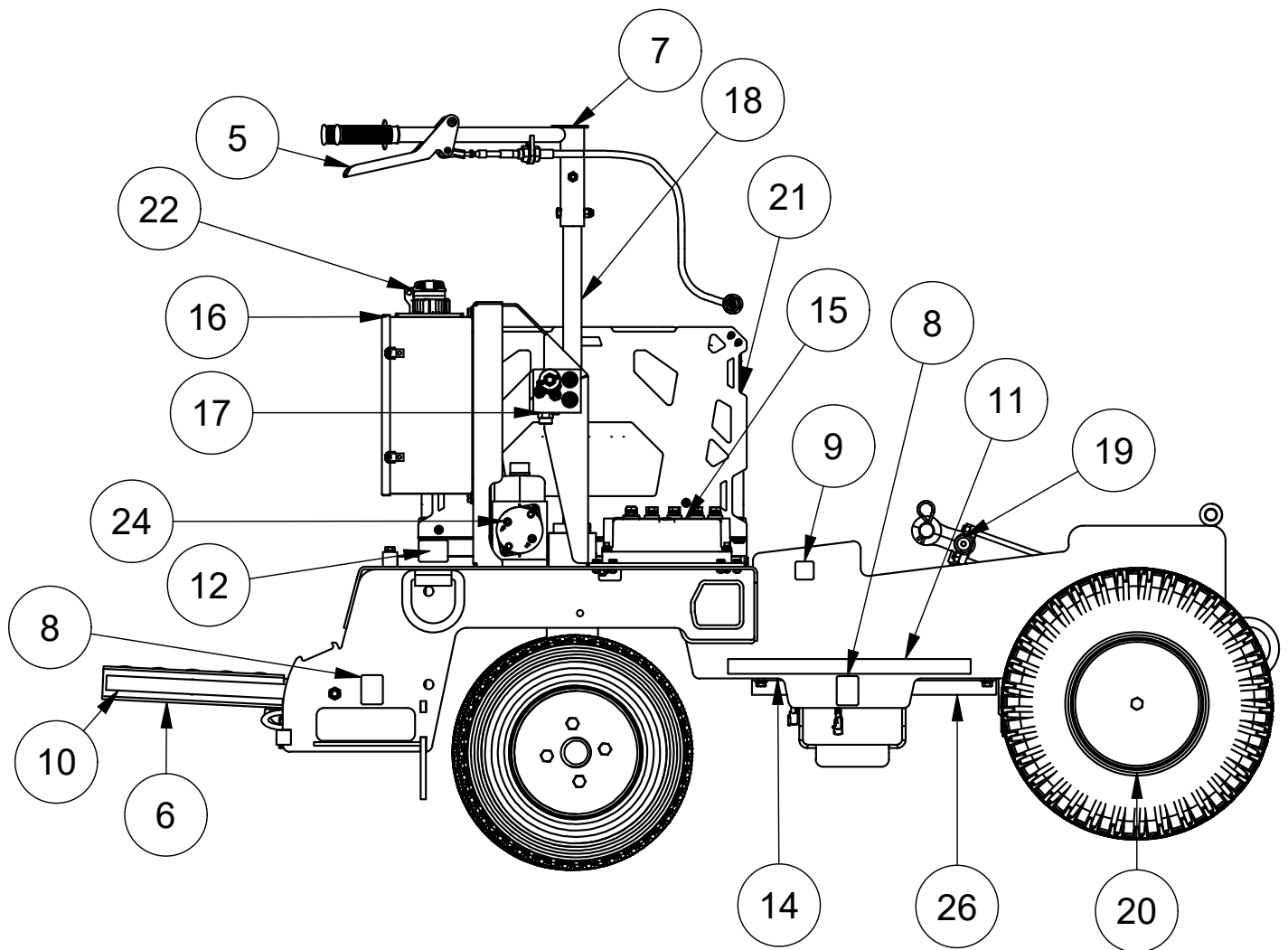


ITEM	PART #	DESCRIPTION	QTY
1	010464	FASTENER, NUT NYLOCK 3/8"-16 GRADE 8	6
2	017751	FASTENER, FLAT WASHER 3/8" GRADE 8	6
3	42106-01	BUCKET, POLYETHYLENE 16 FT ³	1
4	42106-02	BOLT, ELEVATOR 3/8"-16 X 1-1/2"	6
5	056400	DECAL, OVAL ALLEN 20"	2
6	073054	WELDMENT, BUCKET BASE	1
7	073076	WELDMENT, PIVOT PIN FOR BUCKET BASE	1

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SECTION 1 PARTS

Chassis Assembly



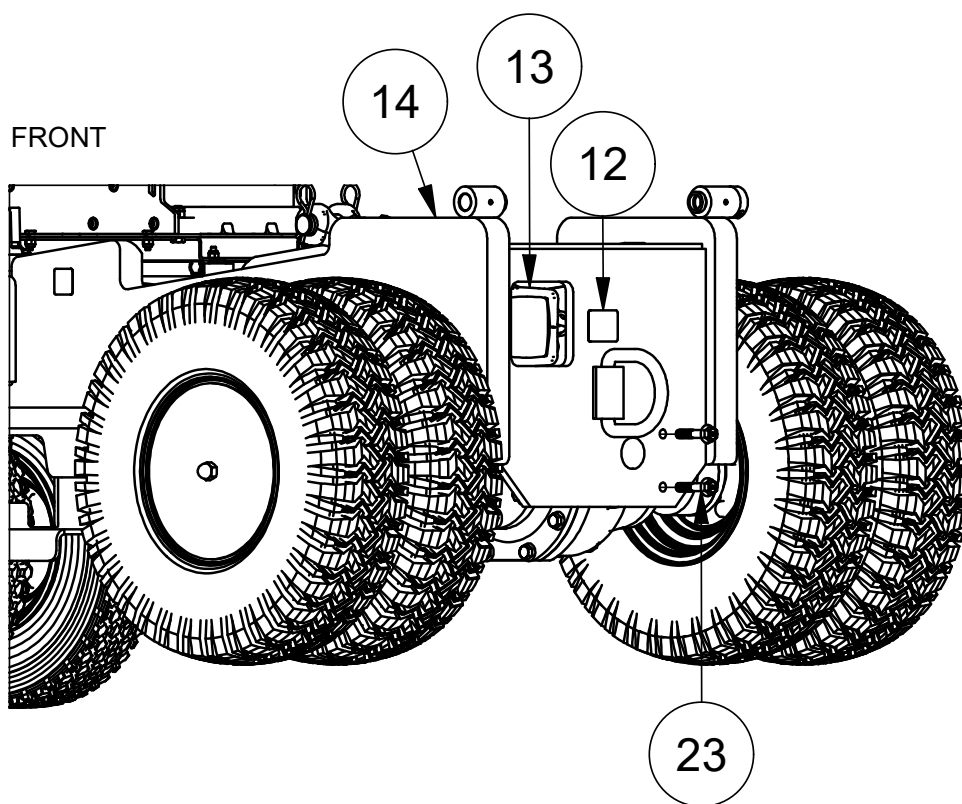
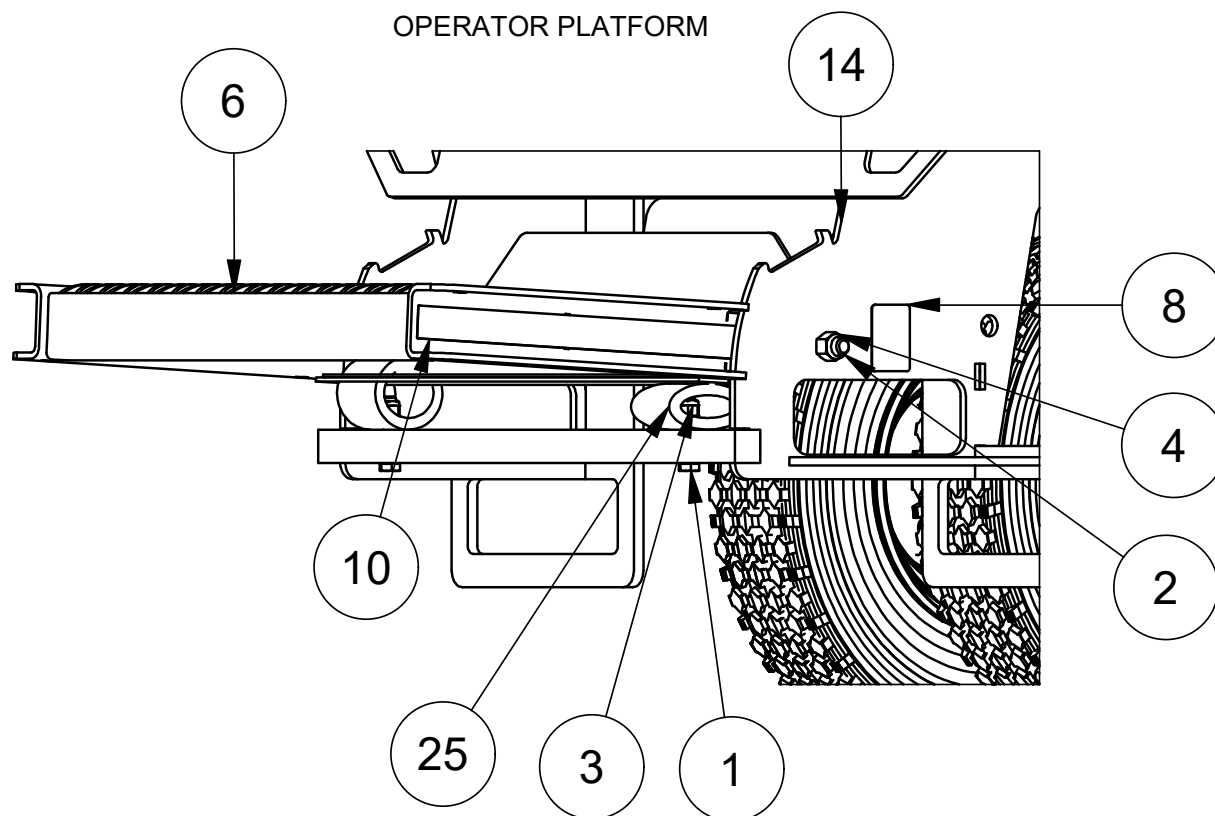
Chassis Assembly Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010040	FASTENER, HHCS 3/8"-16 X 2" GRADE 8	2
2	010069	FASTENER, HHCS 1/2"-13 X 1-1/2" GRADE 8	2
3	010464	FASTENER, NUT NYLOCK 3/8"-16 GRADE 8	2
4	011238	FASTENER, NUT HEX NYLOCK 1/2"-13	2
5	42107-25	LEVER, TRAVEL SPEED CONTROL	1
6	42115-01	OPERATOR PLATFORM	1
7	42126-01	HANDLE BAR	1
8	065653	DECAL, LIFT HOOK	4
9	065917	DECAL, PINCH POINT	2
10	066489	DECAL, CHECKER (13.55"X1")	2
11	066490	DECAL, CHECKER (16.625"X1")	2
12	068459	DECAL, TIE DOWN	3
13	069835	LIGHT, LED 1200 LUMENS 12 V(DC) 1.5 AMPS	1
14	073020	WELDMENT, BUGGY CHASSIS	1
15	073022	INVERTER	1
16	073029	ELECTRICAL ENCLOSURE	1
17	073044	BLOCK MANIFOLD	1
18	073045	ASSEMBLY, STEERING COLUMN AND WHEEL	1
19	073055	CYLINDER, 8" STROKE 2" BODY	1
20	073073	ASSEMBLY, FRONT WHEEL	2
21	073099	ASSEMBLY, BATTERY SLIDE	1
22	073104	SWITCH, BATTERY DISCONNECT	1
23	073106	FASTENER, M12 X 1-1/2" X 50mm LONG	2
24	073107	POWER UNIT, HYDRAULIC DUMP CYLINDER	1
25	074913	ISOLATOR FOR OPERATOR PLATFORM	2
26	074936	SKID PLATE	1

SECTION 1 PARTS

Chassis Assembly Continued



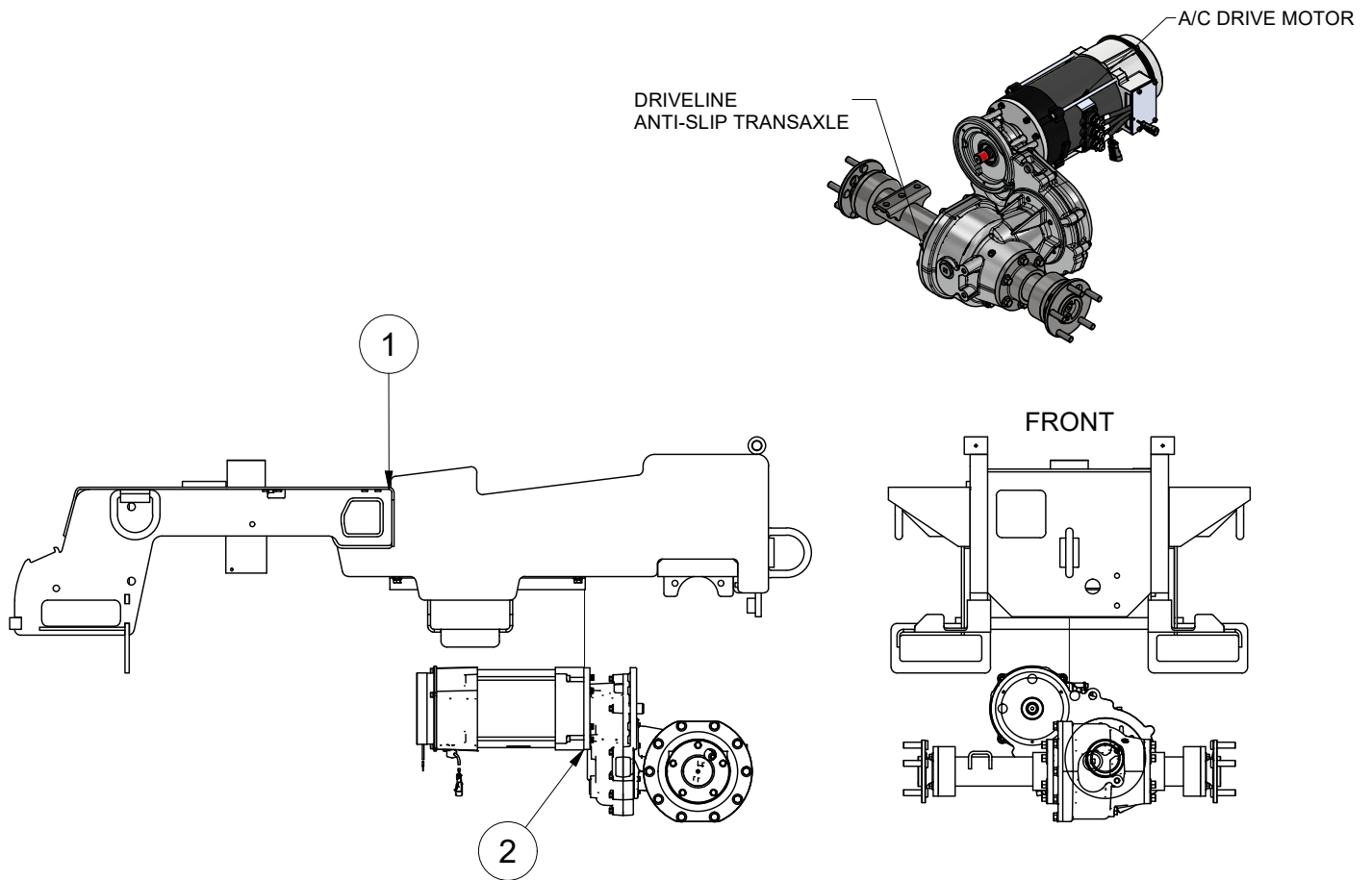
Chassis Assembly Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010040	FASTENER, HHCS 3/8"-16 X 2" GRADE 8	2
2	010069	FASTENER, HHCS 1/2"-13 X 1-1/2" GRADE 8	2
3	010464	FASTENER, NUT NYLOCK 3/8"-16 GRADE 8	2
4	011238	FASTENER, NUT HEX NYLOCK 1/2"-13	2
5	42107-25	LEVER, TRAVEL SPEED CONTROL	1
6	42115-01	OPERATOR PLATFORM	1
7	42126-01	HANDLE BAR	1
8	065653	DECAL, LIFT HOOK	4
9	065917	DECAL, PINCH POINT	2
10	066489	DECAL, CHECKER (13.55"X1")	2
11	066490	DECAL, CHECKER (16.625"X1")	2
12	068459	DECAL, TIE DOWN	3
13	069835	LIGHT, LED 1200 LUMENS 12 V(DC) 1.5 AMPS	1
14	073020	WELDMENT, BUGGY CHASSIS	1
15	073022	INVERTER	1
16	073029	ELECTRICAL ENCLOSURE	1
17	073044	BLOCK MANIFOLD	1
18	073045	ASSEMBLY, STEERING COLUMN AND WHEEL	1
19	073055	CYLINDER, 8" STROKE 2" BODY	1
20	073073	ASSEMBLY, FRONT WHEEL	2
21	073099	ASSEMBLY, BATTERY SLIDE	1
22	073104	SWITCH, BATTERY DISCONNECT	1
23	073106	FASTENER, M12 X 1-1/2" X 50mm LONG	2
24	073107	POWER UNIT, HYDRAULIC DUMP CYLINDER	1
25	074913	ISOLATOR FOR OPERATOR PLATFORM	2
26	074936	SKID PLATE	1

SECTION 1 PARTS

Transaxle and Motor

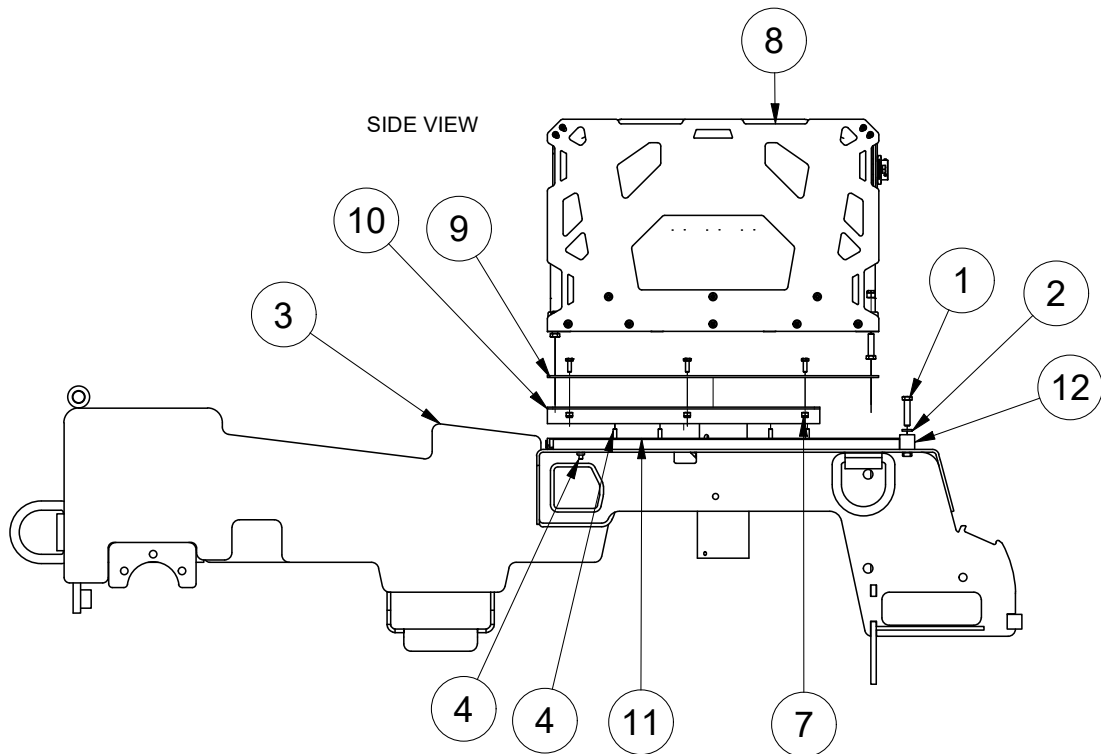
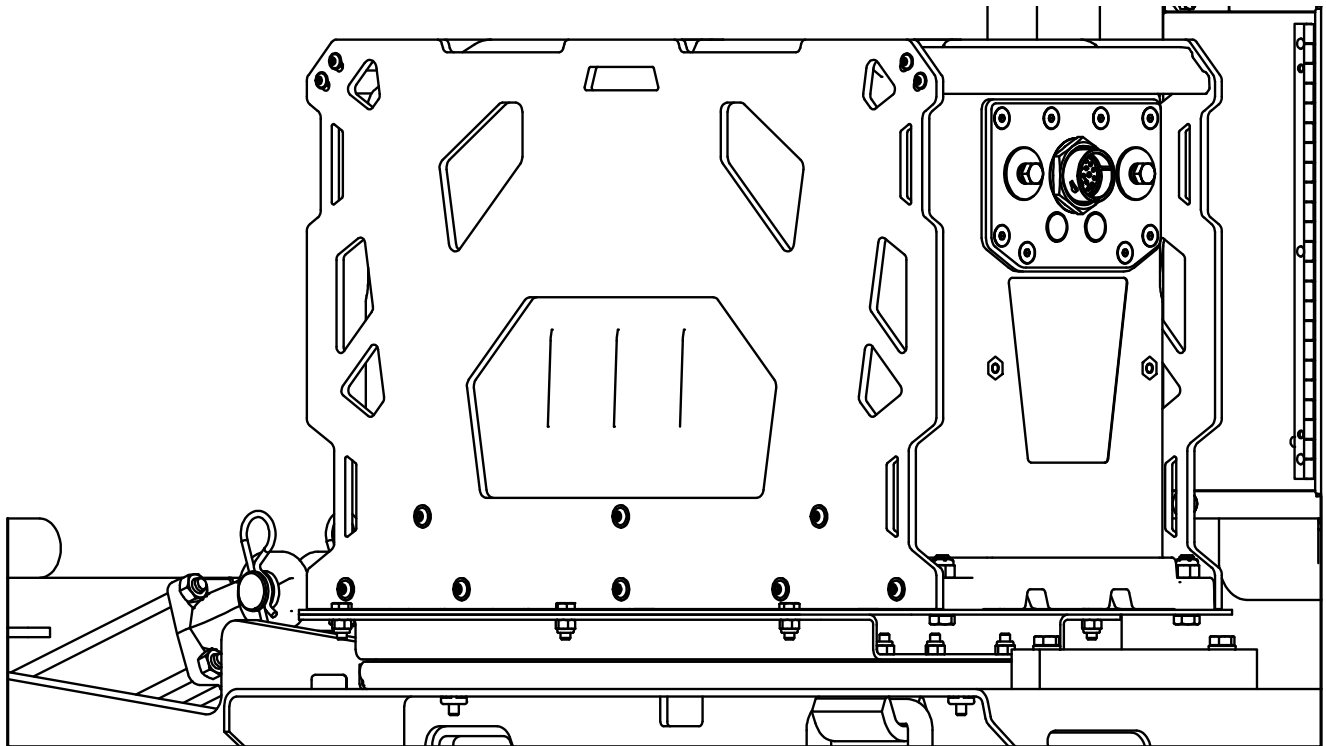


ITEM	PART #	DESCRIPTION	QTY
1	073020	WELDMENT, CHASSIS	1
2	073036	ASSEMBLY, TRANSAXLE AND MOTOR	1

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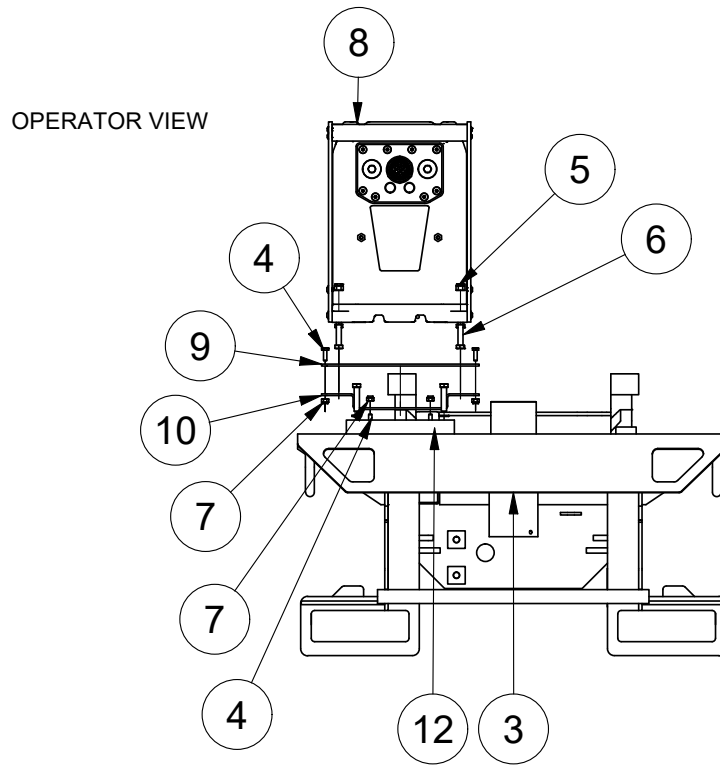
SECTION 1 PARTS

Battery Slide Assembly



Battery Slide Assembly and Parts List

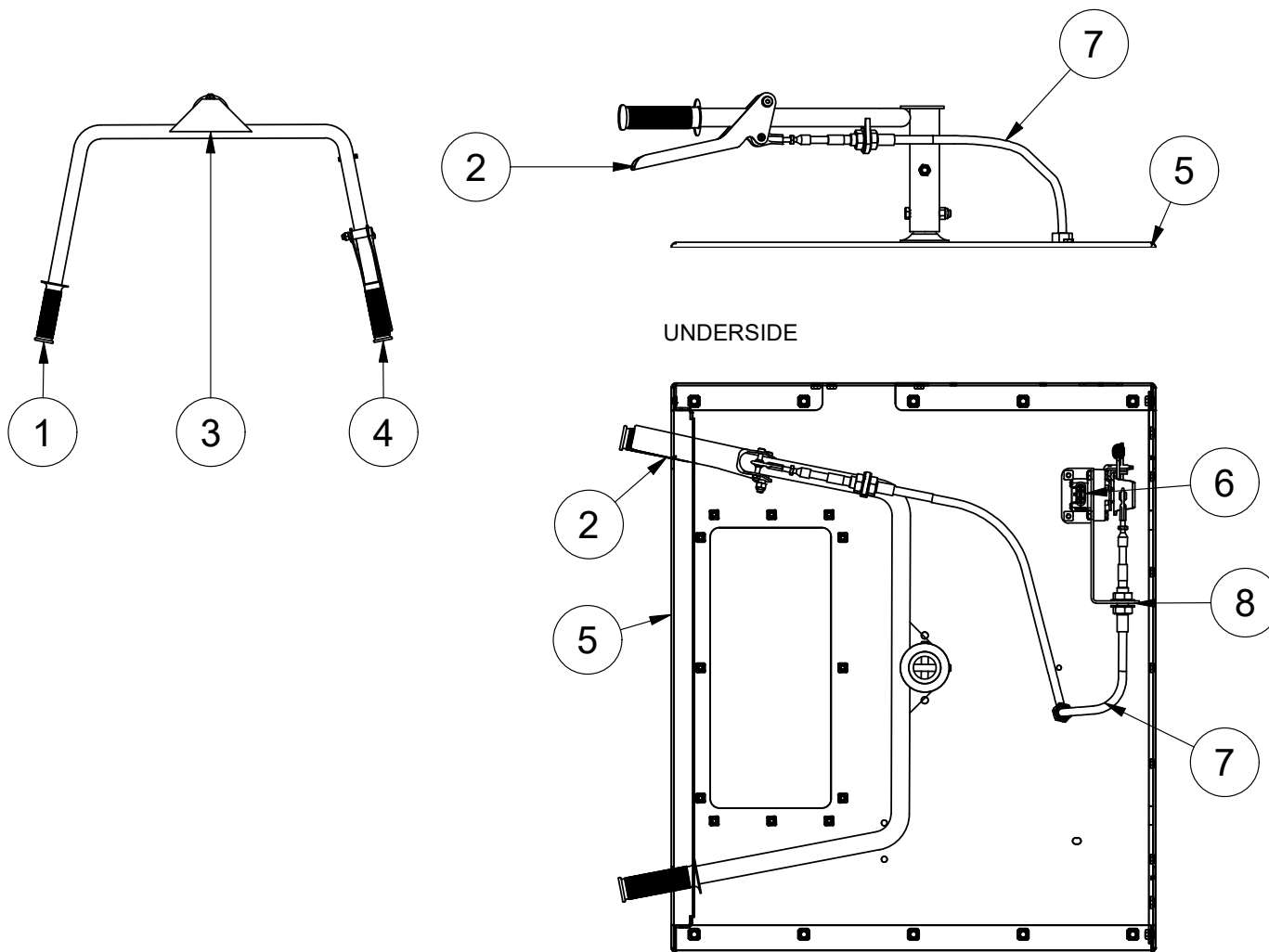
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
1	010039	FASTENER, HHCS 3/8"-16 X 3/4" LONG GRADE 8	2
2	010091	FASTENER, LOCK WASHER 3/8"	2
3	073020	WELDMENT, CHASSIS	1
4	010002	FASTENER, HHCS 1/4"-20 X 3/4"	20
5	010464	FASTENER, NUT NYLOCK 3/8"-16 GRADE 8	4
6	028402	FASTENER, HHCS 3/8"-16 X 1-1/2" GRADE 8	4
7	029671	FASTENER, BUT HEX 1/4"-20 NYLOCK	14
8	073038	BATTERY	1
9	073097	PLATE, BATTERY TRAY MOUNT	1
10	073098	PLATE, BATTERY SLIDE MOUNT	1
11	073100	BATTERY SLIDE MOUNT	2
12	073103	BAR, BATTERY TRAY LOCK	1

SECTION 1 PARTS

Handle Bar & Throttle



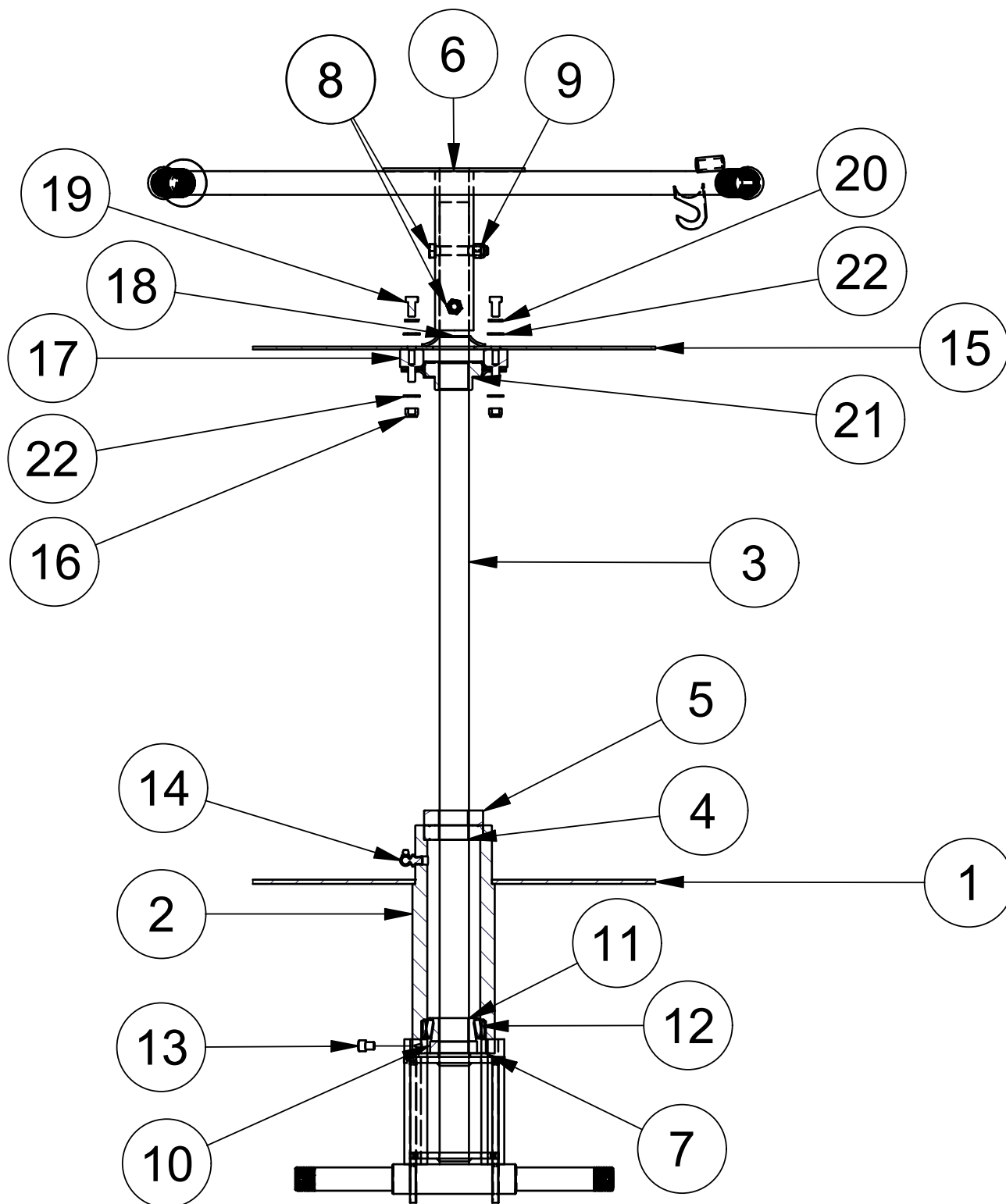
Handle Bar & Throttle Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	42102-07	GRIP FOR LEFT HANDLE	1
2	42107-25	LEVER FOR SPEED CONTROL	1
3	42126-01	WELDMENT, HANDLE BAR	1
4	048354	GRIP FOR RIGHT HANDLE	1
5	073002	(FOR REFERENCE) WELDMENT, CABINET	1
6	073026	THROTTLE CABLE SENSOR	1
7	073037	THROTTLE CABLE	1
8	073110	WELDMENT, THROTTLE CABLE BRACKET	1

SECTION 1 PARTS

Steering Column Assembly



Steering Column Assembly Parts List

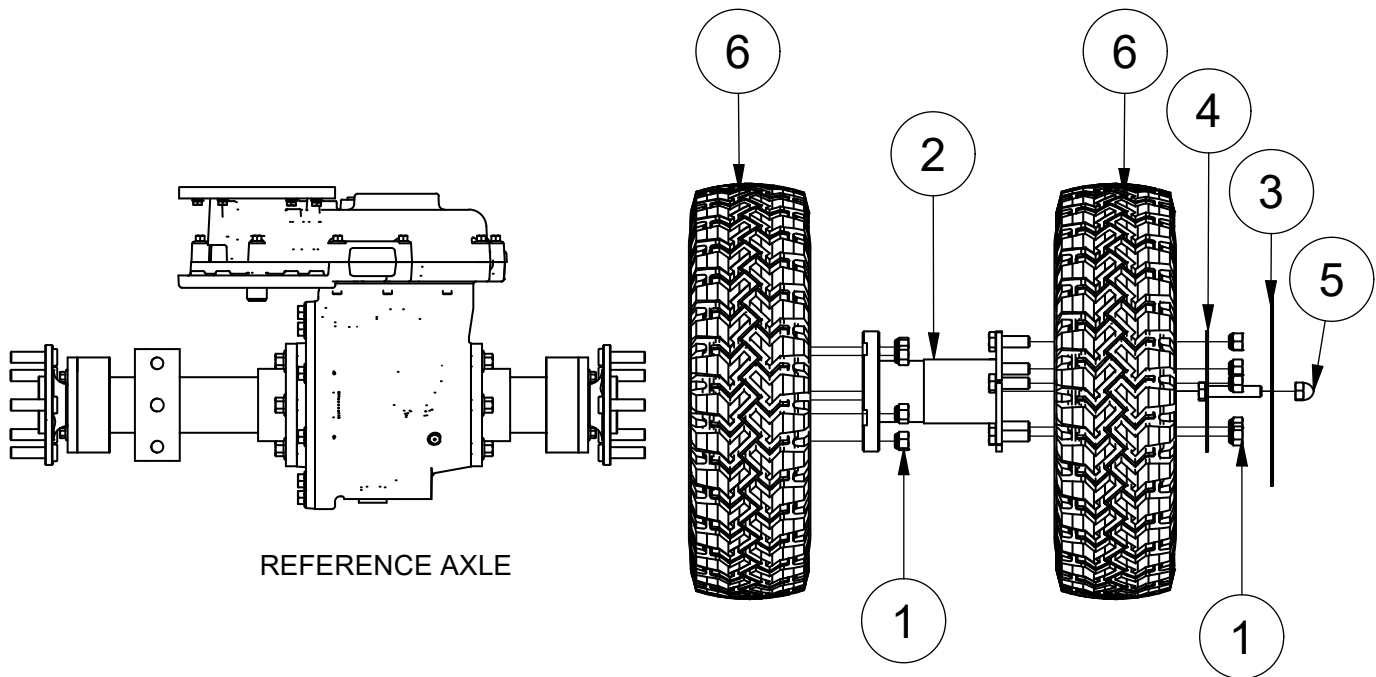
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	-	REF. BUGGY CHASSIS	-
2	42100-18	ASSEMBLY, TUBE AND BEARING RACE	1
3	073040	WELDMENT, STEERING COLUMN	1
4	BE1400	BALL BEARING	1
5	C00100	CLAMPING COLLAR	1
6	42126-01	HANDLE BAR	1
7	32100-16	FASTENER, FLAT WASHER 1-1/4" ID 3" OD	1
8	040637	FASTENER, HHCS 3/8"-16 X 2-1/4" GRADE 8	2
9	010464	FASTENER, NUT NYLOCK 3/8"-16 GRADE 8	2
10	32100-15	SPACER	1
11	BE1200	BEARING CONE	1
12	BE1300	BEARING CUP	1
13	42100-17	FASTENER, SHCS 5/16"-18 X 3/8" (STOP BOLT)	2
14	015681	FITTING, GREASE 90°	1
15	-	REF. BUGGY CABINET	-
16	012612	FASTENER, NUT HEX NYLOCK 5/16"-18	2
17	32100-21	STUD MOUNTED RUBBER ISOLATOR	2
18	42126-09	RUBBER WASHER	1
19	010052	FASTENER, HHCS 5/16"-18 X 5/8"	2
20	010090	FASTENER LOCK WASHER 5/16" GRADE 8	2
21	32100-08	FLANGED BEARING	1
22	010082	FASTENER, FLAT WASHER 5/16" GRADE 8	4

SECTION 1 PARTS

Wheel Assemblies

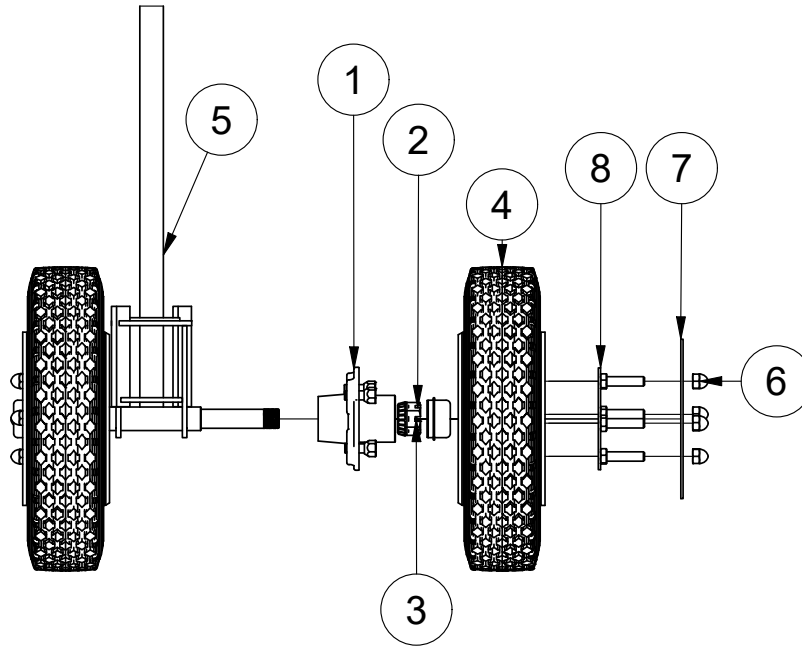
DRIVE / FRONT WHEEL ASSEMBLY



DRIVE / FRONT WHEEL ASSEMBLY			
ITEM	PART #	DESCRIPTION	QTY
1	42113-09	CONE LUG NUT B11/16/21	20
2	073072	5-LUG WHEEL SPACER	2
3	073083	OUTER WHEEL COVER	2
4	073084	WELDMENT, DRIVE WHEEL	2
5	073085	FASTENER, CAP NUT 1/2"-13 GRADE 8	2
6	073131	FOAM FILLED WHEEL	4

***NOTE:** Part quantities referenced in this table represent quantity needed **PER MACHINE**.

STEERING / REAR WHEEL ASSEMBLY

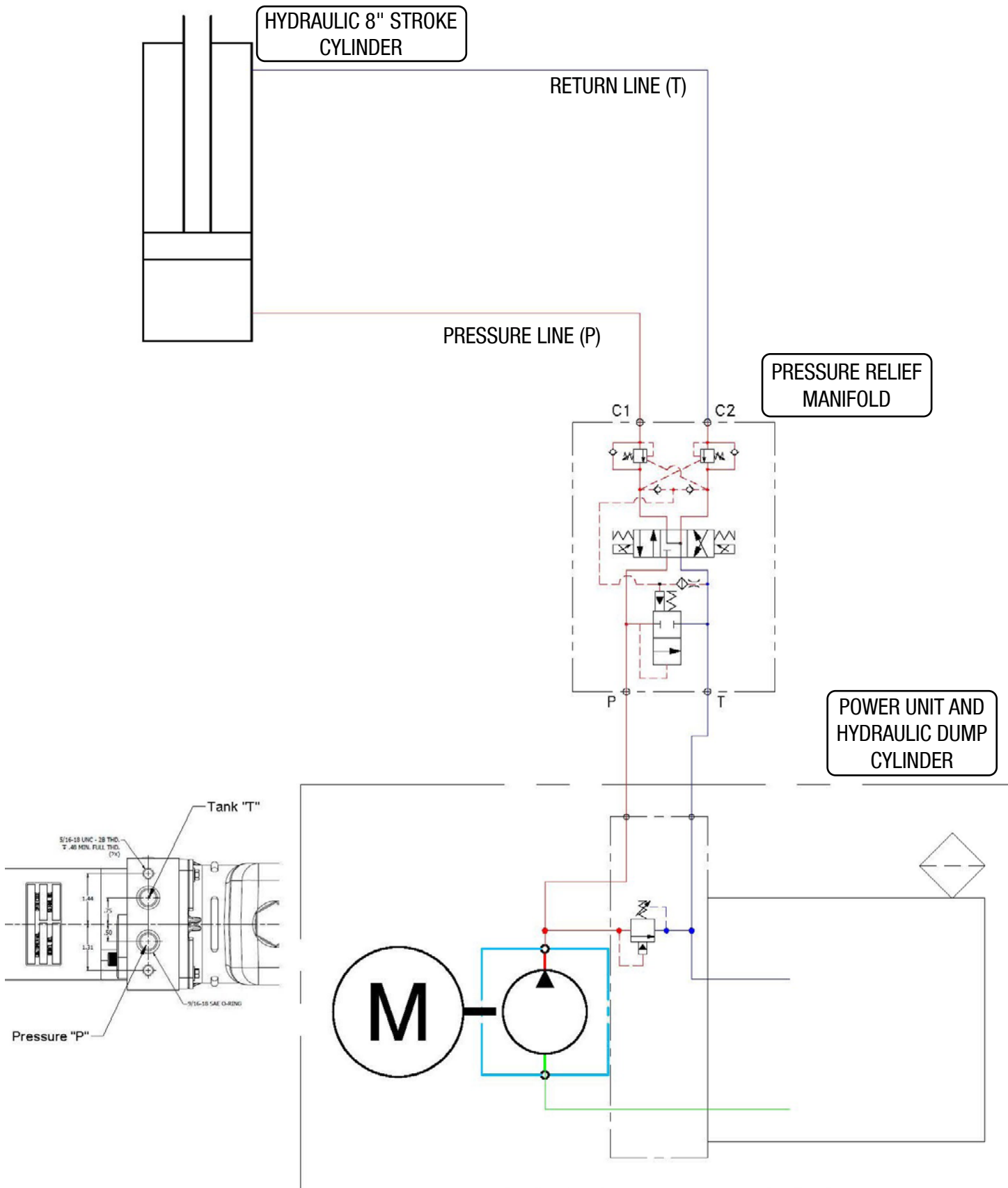


STEERING / REAR WHEEL ASSEMBLY			
ITEM	PART #	DESCRIPTION	QTY
1	42113-03	HUB WITH 4 STUDS, 2 BEARINGS, SEAL AND CAP	2
2	42113-04	CASTLE STEERING NUT 1-1/4" NF X 9/16"	2
3	42113-05	COTTER PIN 1/8" X 1-1/2"	2
4	074589	FOAM FILLED WHEEL	2
5	073040	WELDMENT, STEERING COLOMN	1
6	073085	FASTENER, CAP NUT 1/2"-13 GRADE 8	8
7	073089	HUB CAP	2
8	073090	WELDMENT, INNER HUB CAP	2

***NOTE:** Part quantities referenced in this table represent quantity needed **PER MACHINE**.

SECTION 1 PARTS

Hydraulic System



Hydraulics System Parts List

SECTION 1 PARTS

PART #	DESCRIPTION	QTY
073055	CYLINDER, 8" STROKE 2" BORE	1
073044	BLOCK MANIFOLD	1
073107	POWER UNIT, HYDRAULIC DUMP CYLINDER	1



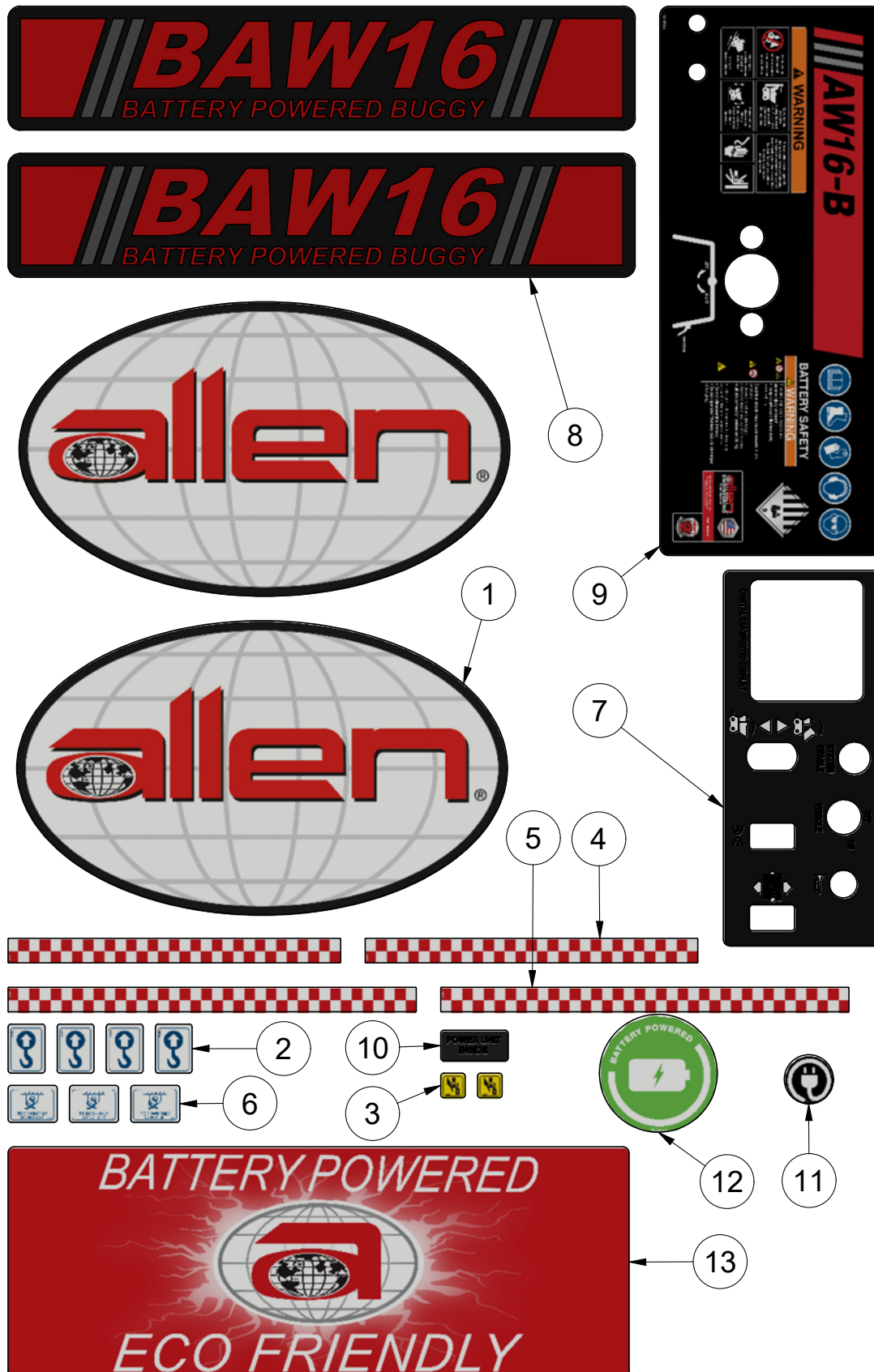
The electric schematic for the AW16-B is available on the Allen Engineering website under AW16-B [equipment manuals](#).

Section 2 Decals

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SECTION 2 DECALS

Decals, AW16-B (Kit #: 073000D)



Decal Parts List, AW16-B (Kit #: 073000D)

SECTION 2 DECALS

ITEM	PART #	DESCRIPTION	QTY
1	056400	20" OVAL ALLEN	2
2	065653	LIFT HOOK	4
3	065917	PINCH POINT	2
4	066489	CHECKER (13.55" X 1")	2
5	066490	CHECKER (16.625" X 1")	2
6	068459	TIE DOWN	3
7	073023	CONTROL PANEL	1
8	073091	SIDE AW16-B PANEL	2
9	073125	TOP AW16-B PANEL	1
10	073126	POWER UNIT, ACCESS POINT	1
11	073127	CHARGE PORT AW16-B	1
12	073534	BATTERY POWERED	1
13	074116C	BATTERY POWERED SIDE PANEL	1

Revision Detail

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	09/21	Initial Release	MK
A	05/2022	Updated Rear Wheel Part Number, ECR 21-115	MK

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Allen Products are covered under one or more of the following patent numbers:
10,384,704
With other Patents Pending.

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