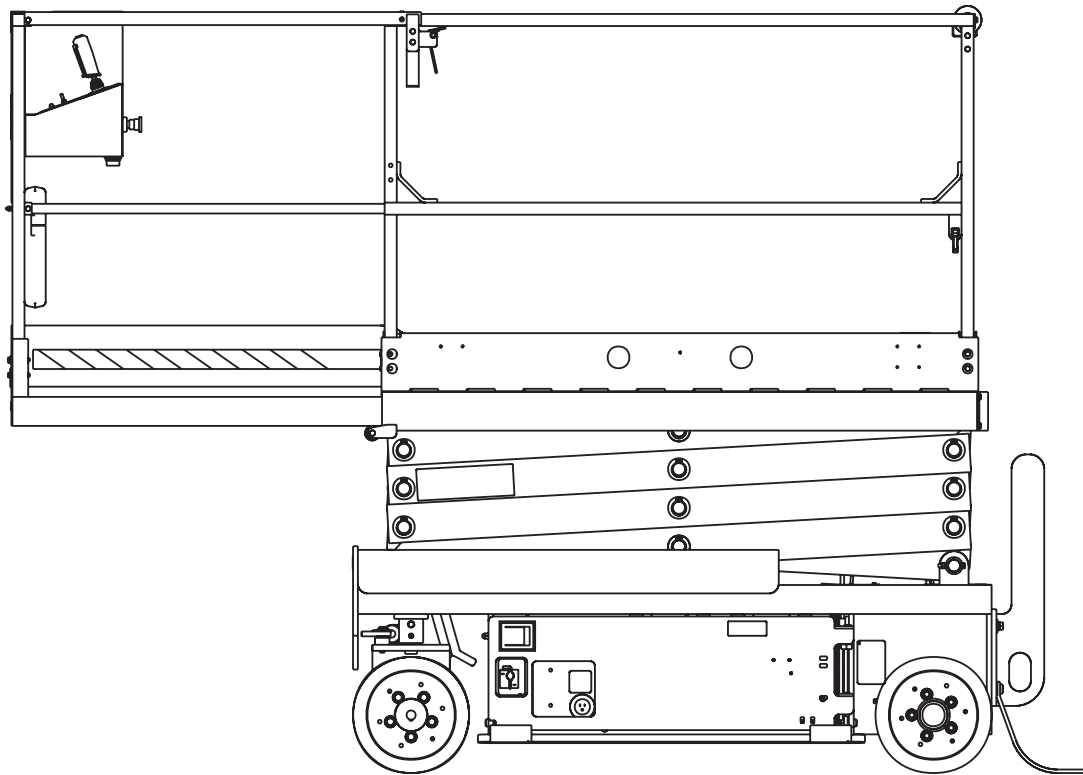


Repair Parts Manual



Manufactured 02-01 and after

S1930

General Information

About this manual:

This repair parts manual covers current production machines only.

While Snorkel has attempted in every way to confirm that all information in this manual is correct, improvements are being constantly made to the machine that may not be reflected in this manual.

If you find information in this manual that is not correct, or is confusing, you are urged to report your findings to Snorkel for our evaluation.

Your input is important to us and will be used in future printings of this manual.

Every person who repairs this machine must be qualified and authorized to do so.

⚠CAUTION

DO NOT modify this aerial platform without prior written consent of Snorkel Engineering Department. Modification may void the warranty, adversely affect stability, or affect the operational characteristics of the aerial platform.

This machine is covered by a limited warranty that specifically identifies items warranted by Snorkel and those items covered by original manufacturers warranty.

A copy of the Snorkel Limited Warranty is located on the inside of the back cover of this manual.

All correspondence relative to this machine, such as field reports, discrepancy reports, requests for information, etc., should be directed to:

Snorkel International, Inc.
P.O. Box 1160
St. Joseph, MO 64502-1160 USA
Phone: (816)-364-0317
<http://www.snorkelusa.com>

Abbreviations

The following abbreviations may be used in this manual:

AC alternating current
ANSI American National Standards Institute
CCA cold cranking amps
cm centimeter
DC direct current
EMS envelope management system
GFCI ground fault circuit interrupt
LP liquified petroleum
LPG liquified petroleum gas
mm millimeters
ft feet
in inch
lbs pounds
no number

NPT national pipe thread
psi pounds per square inch
qty quantity
UL Underwriters Laboratories Inc.

Electrical Hazard

⚠DANGER

The aerial platform is not electrically insulated. Death or serious injury can result from contact with, or inadequate clearance from, an energized conductor.

Do not go closer than the minimum safe approach distance as defined by the minimum Safe Approach Distance as defined by ANSI Standards.

Regard all conductors as energized.

Allow for electrical wire sag and aerial platform sway.

If the work platform, or any part of the aerial platform contacts a high-voltage electrical conductor, the entire machine can become electrically charged.

If that happens, remain on the machine and do not contact any other structure or object. This includes the ground, adjacent buildings, poles, and any other objects that are not part of the aerial platform.

Such contact could make your body a conductor to the other object, creating an electrical shock hazard resulting in death or serious injury.

If an aerial platform is in contact with an energized conductor the platform operator must warn ground personnel in the vicinity to stay away. Their bodies can conduct electricity creating an electrical shock hazard resulting in death or serious injury.

Do not approach or leave the aerial platform until the electricity has been turned off.

Do not attempt to operate the lower controls when the work platform or any part of the aerial platform is in contact with a high-voltage electrical conductor or if there is an immediate danger of such contact.

Personnel on or near an aerial platform must be continuously aware of electrical hazards, recognizing that death or serious injury can result from contact with an energized conductor.

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To order service or repair parts

When placing an order for service or repair parts, please have the following information available for your machine.

- ✓ Machine model number
- ✓ Machine serial number
- ✓ Snorkel part number
- ✓ Description of part
- ✓ Quantity of parts required
- ✓ Your purchase order number
- ✓ Address for order to "Ship To"
- ✓ Your desired shipment method

The parts order form on the following page may be mailed or faxed to the attention of Parts Worldwide at the following location:

Snorkel International, Inc.
P.O. Box 1160
St. Joseph, MO 64502-1160 USA

Phone: 1-(800)-255-0317
Parts Worldwide Fax: (816)-364-6312

Attention: Parts Department

For your convenience, our electronic on-line ordering system is available at the following Internet location:

<http://www.omniquip.com>

ANSI and OSHA compliance

All owners and users of the aerial platform must read, understand, and comply with all applicable regulations. Ultimate compliance to OSHA regulations is the responsibility of the user and their employer.

ANSI publications clearly identify the responsibilities of all personnel who may be involved with the aerial platform. A reprint of the "Manual of Responsibilities for Dealers, Owners, Users, Operators, Lessors and Lessees of ANSI/SIA A92.5-1992 Boom-Supported Elevating Work Platforms" is available from Snorkel dealers or from the factory upon request.

Copies are also available from:

Scaffold Industry Association
20335 Ventura Blvd. Suite 310
Woodland Hills, CA 91364-2471 USA

Manuals

Manuals are available from Snorkel to support any of the machines that we produce.

The specific manuals for S1930 are as follows:

- ✓ Operator's Manual
Snorkel part number - 0361266
- ✓ Repair Parts Manual
Snorkel part number - 0361159
- ✓ Maintenance Manual
Snorkel part number - 1361270
- ✓ ANSI Manual of Responsibilities
ANSI/SIA A92.6-1990

Record machine information here:

Model number

Serial number

Date of purchase

Purchased from

Snorkel dealer or distributor

Model _____

Serial number _____

Optional equipment _____

Purchase order number _____

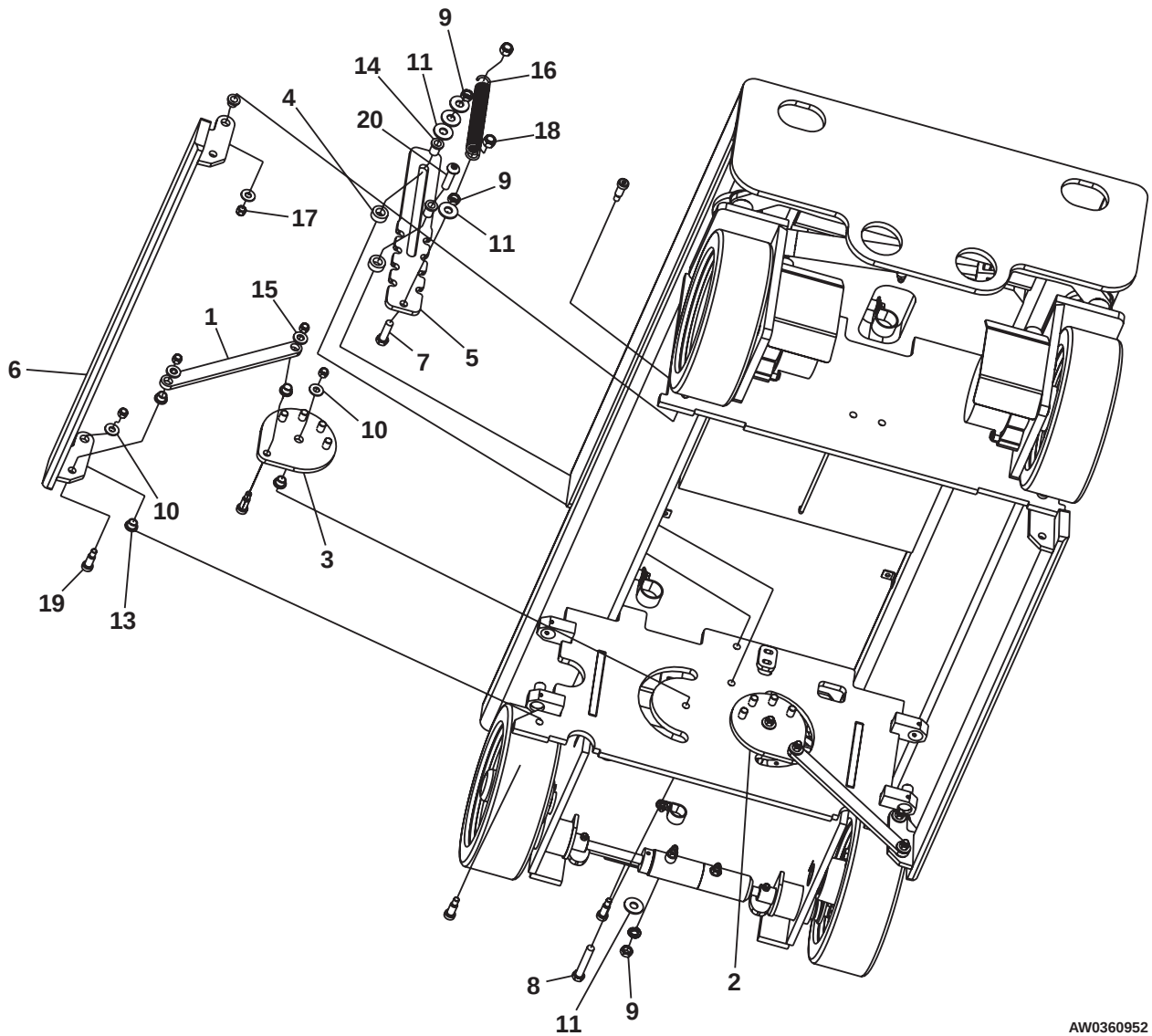
Ship to _____

Ship by

Pothole protector

item	part no	qty	description
1	0361074	2	Bar, pothole linkage
2	0361076-99	1	Trigger plate, right hand
3	0361077-99	1	Trigger plate, left hand
4	0361132	2	Spacer, pothole vertical link
5	0361276	1	Vertical link
6	0361365-99	2	Pothole skid
7	970919	1	Capscrew 1/2-13 x 1-3/4 inch long hex head grade 5
8	970969	1	Capscrew 1/2-13 x 3 inch long hex head grade 5
9	984409	3	Nut 1/2-13 hex jam drilled
10	986299	6	Washer 3/8 medium flat
11	986359	5	Washer 1/2 wide flat
12	987139	1	Washer 1/2 medium lock
13	2570008	10	Bearing
14	2580017	2	Bearing, flanged
15	2580403	4	Thrust bearing
16	5530027	1	Skid return spring
17	5560033	10	Nut 3/8-16 self locking
18	5560039	2	Nut 1/2-13 self locking
19	5560382	10	Shoulder bolt 3/8-16 x 1 inch long
20	5569955	1	Capscrew 1/2-13 x 2 inch long button head

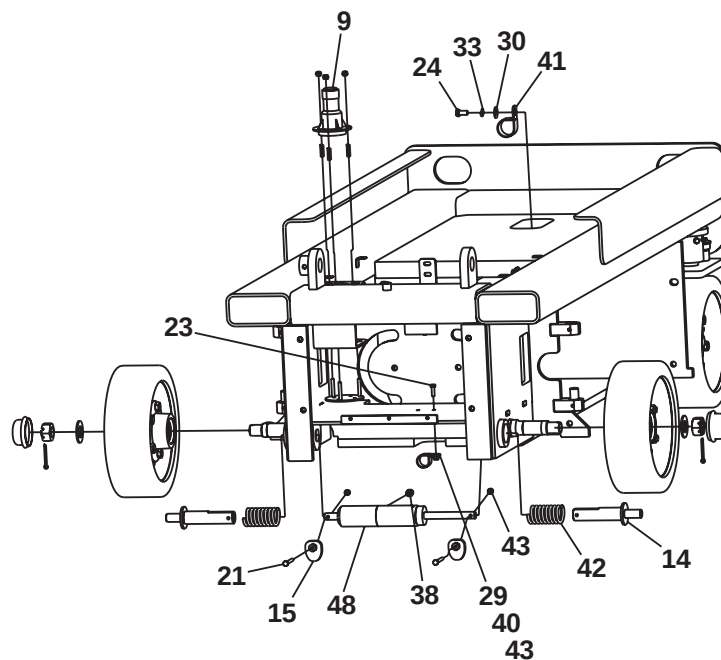
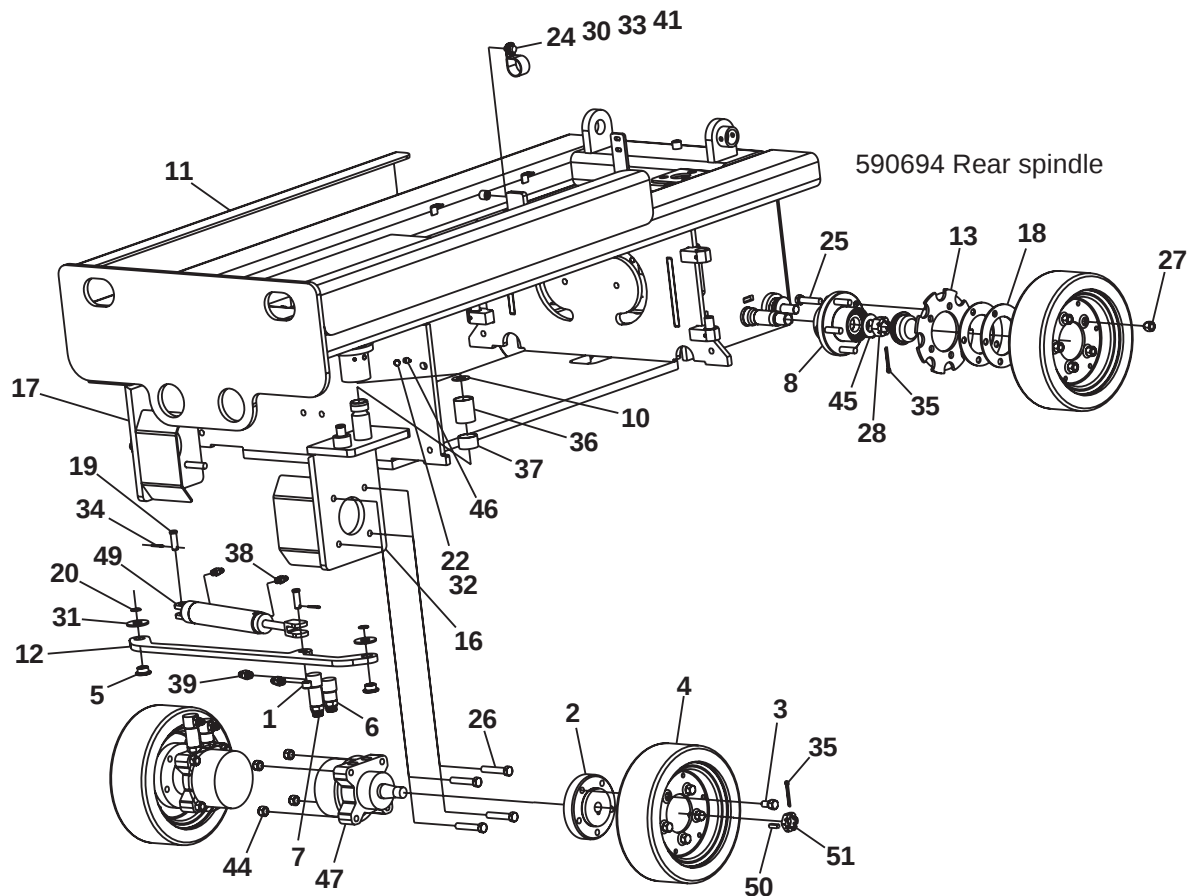
Pothole protector



AW0360952

Base frame, steering and brakes

item	part no	qty	description
1	300351	1	Bearing
2	300356-99	2	Hub
3	300729	10	Wheel bolt 1/2-20
4	301399-99	4	Tire, non-marking assembly
	8090017		Tire, non-marking
	0361469		Rim, split 8 x 2.5
5	301402	2	Bearing, flanged
6	301442	2	Swivel short 90°
7	301443	2	Swivel long 90°
8	301480-99	2	Bearing hub - (see page 1-6 for parts breakdown)
9	302800	1	Level sensor, 2 axis - 2° and 4°
10	0360220	2	Thrust washer
11	0360929-99	1	Base frame
12	0360946-99	1	Steering linkage
13	0360947-99	2	Brake disc
14	0361194	2	Brake pin
15	0361220-99	2	Brake cam
16	0361324	1	Spindle, left hand
17	0361325	1	Spindle, right hand
18	460476-99	4	Spacer, brake disc
19	465276	2	Clevis pin 1/2 inch diameter x 1-9/32 inch grip
20	968379	2	Snap ring
21	969999	2	Capscrew 1/4-20 x 2-1/4 inch long hex head grade 5
22	970019	2	Capscrew 1/4-20 x 5/8 inch long hex head grade 5
23	970039	1	Capscrew 1/4-20 x 7/8 inch long hex head grade 5
24	970449	2	Capscrew 3/8-16 x 3/4 inch long hex head grade 5
25	971049	10	Wheel bolt 1/2-20
26	971069	8	Capscrew 1/2-13 x 2-3/4 inch long hex head grade 5
27	984459	10	Lug nut 1/2-20 hex 60°
28	985099	2	Nut 1-14 castle
29	986019	1	Washer 1/4 medium flat
30	986299	1	Washer 3/8 medium flat
31	986309	2	Washer hard flat 1-7/8 inch OD x 3/4 inch ID
32	987099	2	Washer 1/4 medium lock
33	987119	2	Washer 3/8 medium lock
34	988179	2	Cotter pin 1/8 inch diameter x 1 inch long
35	988379	4	Cotter pin 3/16 inch diameter x 1-3/4 inch long
36	2509665	2	Bearing
37	2509666	2	Bearing
38	5065703	4	Straight thread adapter
39	5065707	4	Straight thread adapter
40	5093008	1	Clamp
41	5093010	2	Clamp
42	5534368	2	Brake spring
43	5560004	3	Nut 1/4-20 self locking
44	5560039	8	Nut 1/2-13 self locking
45	5569932	2	Washer 2 inch OD x 1-1/6 inch ID x 1/8 inch thick
46	5570001	2	Grease fitting, 1/8 NPT straight
47	6030050-99	2	Hydraulic drive motor - (see page 2-9 for parts breakdown)
48	6047072-99	1	Cylinder, brake - (see page 2-6 for parts breakdown)
49	6047073-99	1	Cylinder, steering - (see page 2-8 for parts breakdown)
50	6091216	2	Key
51	6091217	2	Nut 1-20 castle

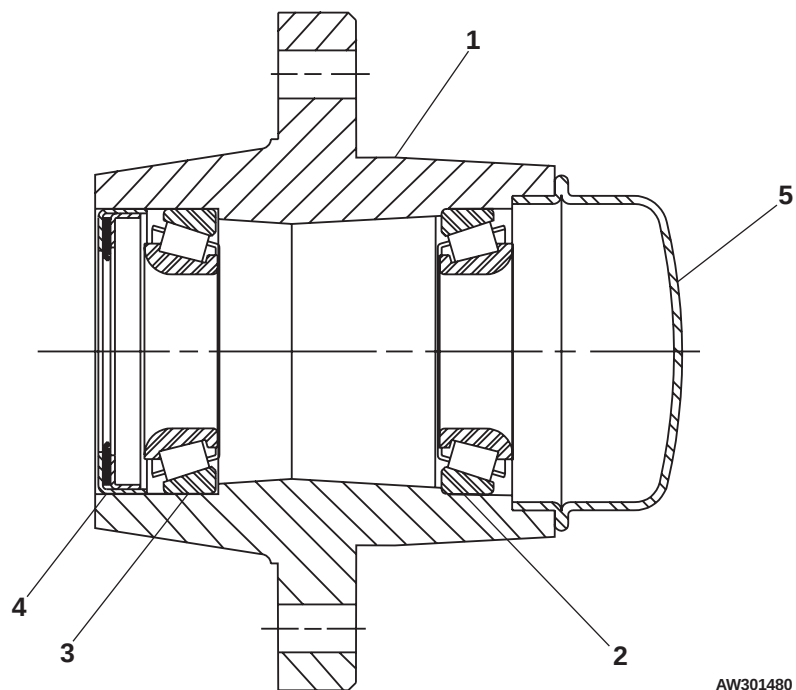


See page 1-24 for
Pothole and scissor
stack switch
mounting

AW0360945-1

Bearing hub

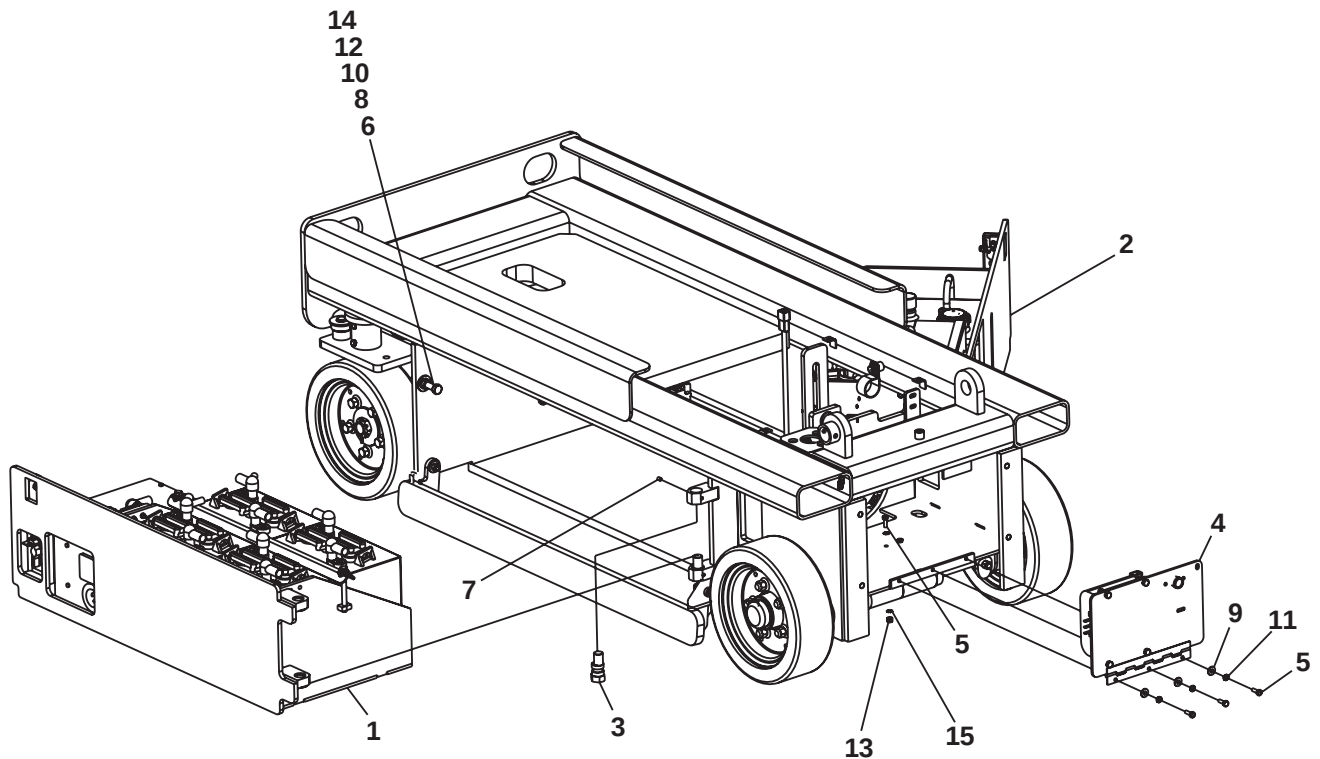
item	part no	qty	description
	301480-99	2	Bearing hub
1	301479-99	1	Hub
2	2540012	2	Bearing cup
3	034377	2	Bearing cone
4	034387	1	Grease seal
5	301507	1	Dust cap



AW301480

Trays mounting

item	part no	qty	description
1	0360954	1	Battery tray - (see page 1-8 for parts breakdown)
2	0360956	1	Hydraulic tray - (see page 1-10 for parts breakdown)
3	0361070	2	Cam pin
4	0361180	1	Electric panel - (see page 3-5 for parts breakdown)
5	970029	5	Capscrew 1/4-20 x 3/4 inch long hex head grade 5
6	970969	2	Capscrew 1/2-13 x 3 inch long hex head grade 5
7	975579	2	Set screw 1/4-20 x 3/8 inch long hex socket head
8	984409	2	Nut 1/2-13 hex jam drilled
9	986019	3	Washer 1/4 medium flat
10	986359	4	Washer 1/2 medium flat
11	987099	3	Washer 1/4 medium lock
12	987139	4	Washer 1/2 medium lock
13	5560004	2	Nut 1/4-20 self locking
14	5560039	2	Nut 1/2-13 self locking
15	5560341	4	Washer 1/4 star tooth lock

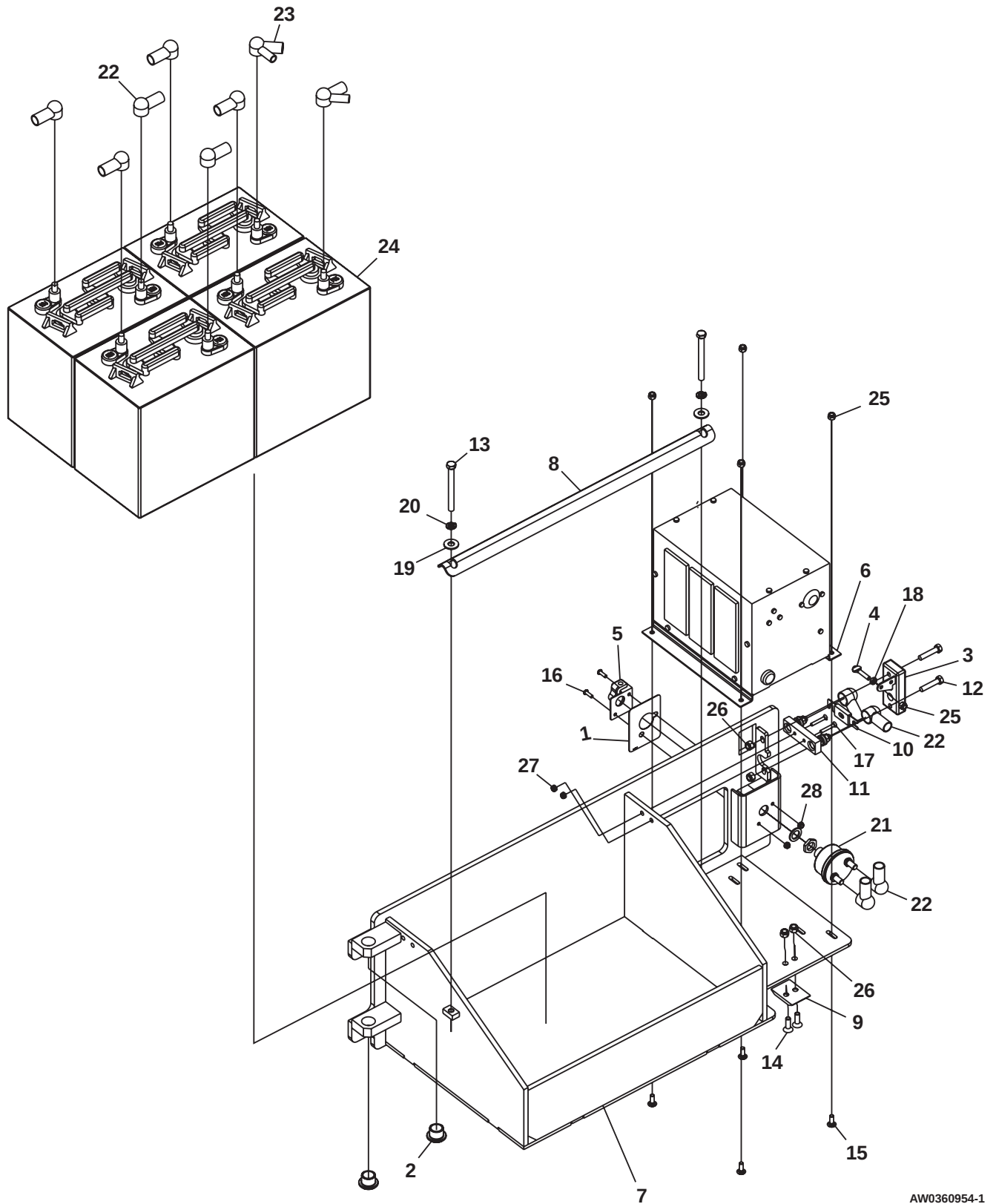


AW0360953-1

Battery tray

item	part no	qty	description
	0360954	1	Battery tray
1	0161014	1	Placard, battery disconnect
2	300437	2	Bearing, flanged
3	300491	1	Latch, rotary lock
4	300765	1	Thumb screw 1/4-20 x 1 inch long type B
5	300840	1	Lockout lever
6	300909	1	Battery charger - (see page 3-12 for parts breakdown))
7	0360937-99	1	Swing out battery tray
8	0361105-99	1	Battery hold down
9	0361271	1	Slide pad, beveled
10	446076	1	Fuse, 250 amp capacity
11	446086	1	Fuse block
12	970279	2	Capscrew 5/16-18 x 1-1/2 inch long hex head grade 5
13	970579	2	Capscrew 3/8-16 x 3-3/4 inch long hex head grade 5
14	972259	2	Capscrew 5/16-18 x 1 inch long socket flat head
15	972569	4	Carriage bolt 1/4-20 x 3/4 inch long
16	974549	2	Machine screw #10-32 x 5/8 inch long round head
17	976729	2	Machine screw #10-24 x 1-1/4 inch long flat head
18	984329	1	Nut 1/4-20 hex jam
19	986299	2	Washer 3/8 medium flat
20	987119	2	Washer 3/8 medium lock
21	3020049	1	Switch, battery disconnect
22	3040269	10	Insulator boot
23	3040270	2	Insulator boot
24	3050009	4	Battery, 6 volt DC - 220 amp hour
25	5560004	5	Nut 1/4-20 self locking
26	5560031	2	Nut 5/16-18 self locking
27	5560034	2	Nut #10-24 self locking
28	5560038	2	Nut #10-32 self locking

Battery tray

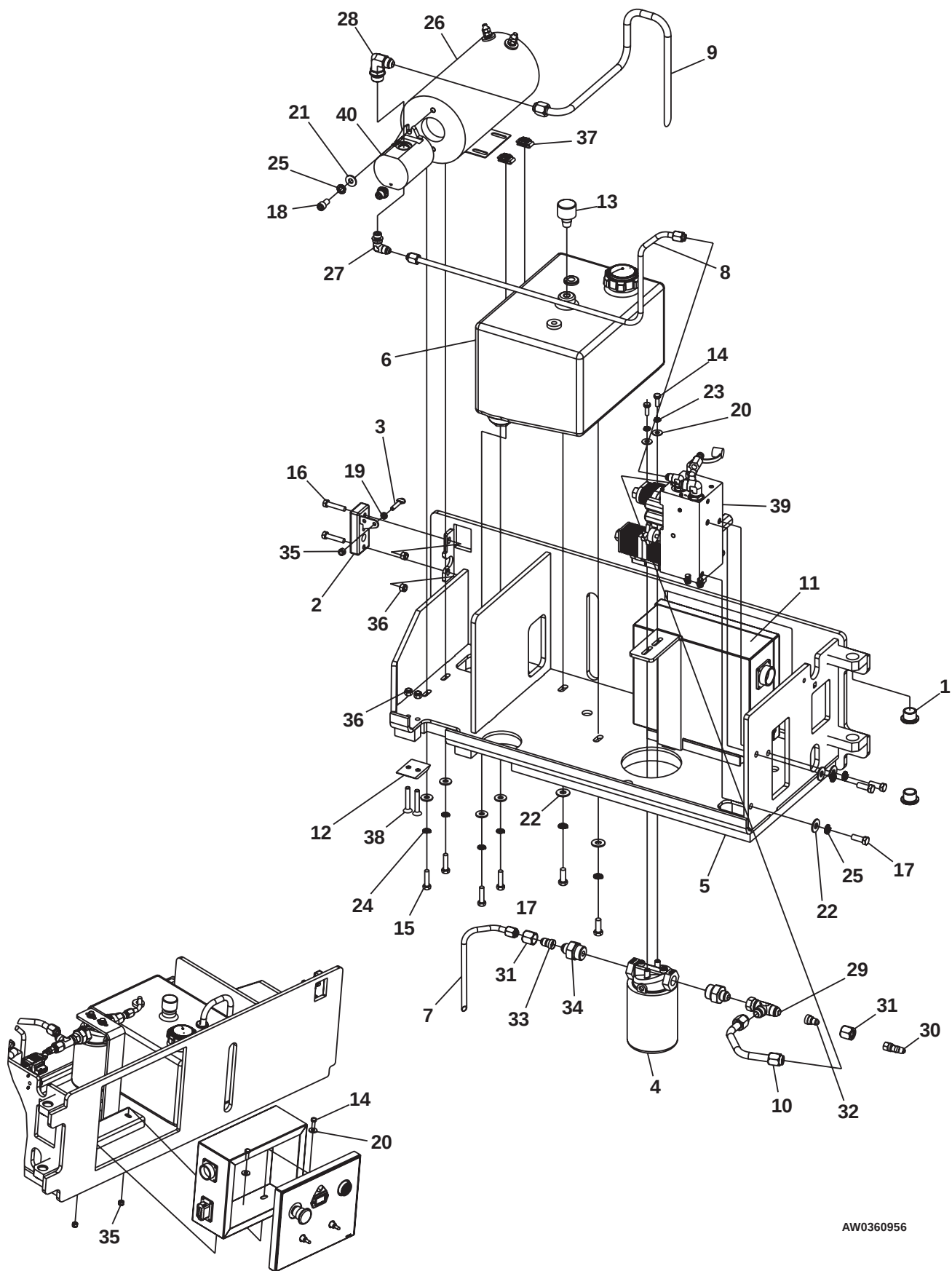


AW0360954-1

Hydraulic tray

item	part no	qty	description
	0360956	1	Hydraulic tray
1	300437	2	Bearing, flanged
2	300492	1	Latch, rotary lock
3	300765	1	Thumb screw 1/4-20 x 1 inch long type B
4	301440	1	Return filter
	5080025	1	Replacement filter element
5	0360938-99	1	Door, hydraulic tray
6	0361069	1	Hydraulic oil reservoir - (see page 2-10 for parts breakdown)
7	0361149	1	3/8 inch hydraulic tube
8	0361150	1	3/8 inch hydraulic tube
9	0361151	1	1/2 inch hydraulic tube
10	0361152	1	1/2 inch hydraulic tube
11	0361217-79	1	Lower control box - (see page 3-6 for parts breakdown)
12	0361271	1	Slide pad, beveled
13	554316	1	Breather, 1/4 NPT 40 micron
14	970029	4	Capscrew 1/4-20 x 3/4 inch long hex head grade 5
15	970269	4	Capscrew 5/16-18 x 1-1/4 inch long hex head grade 5
16	970279	2	Capscrew 5/16-18 x 1-1/2 inch long hex head grade 5
17	970469	5	Capscrew 3/8-16 x 1 inch long hex head grade 5
18	978329	2	Capscrew 3/8-16 x 3/4 inch long socket flat head
19	984329	1	Nut 1/4-20 hex jam
20	986019	4	Washer 1/4 medium flat
21	986269	6	Washer 5/16 medium flat
22	986299	5	Washer 3/8 medium flat
23	987099	2	Washer 1/4 medium lock
24	987109	6	Washer 5/16 medium lock
25	987119	7	Washer 3/8 medium lock
26	3080046	1	Electric motor - 24 volt DC - (see page 3-14 for parts breakdown)
27	5035305	1	Straight thread 90° elbow
28	5035316	1	Straight thread 90° elbow
29	5036706	1	Swivel nut run tee
30	5036903	1	Swivel nut 45° elbow
31	5063906	2	Fitting nut
32	5064002	1	Tube end reducer
33	5064003	1	Tube end reducer
34	5065711	2	Straight thread adapter
35	5560004	3	Nut 1/4-20 self locking
36	5560031	4	Nut 5/16-18 self locking
37	5560097	4	Speed nut 5/16-18
38	5569966	2	Capscrew 5/16-18 x 2 inch long socket flat head
39	6018025	1	Manifold valve - (see page 2-4 for parts breakdown)
40	6029629	1	Gear pump
	8190292	1	Seal repair kit, Sundstrand pump

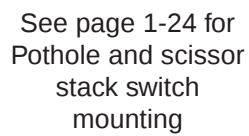
Hydraulic tray



AW0360956

Scissor stack mounting

item	part no	qty	description
1	0360903-89	1	Scissor stack - (see page 1-14 for parts breakdown)
2	0361010	2	Slide block
3	0361061	1	Shaft slider
4	0361078-99	1	Bar, pothole activator
5	0361079-99	2	Safety prop
6	0361086	1	Pin
7	0361130-99	1	Pivot arm
8	0361203-99	1	Cover, base frame
9	0361541-3	1	Manual bleed down lever
	0361554		Service kit, bleed down valve
	0361533	1	Decal, emergency bleed down
	0361538-3	1	Weldment, pivot arm
	0361541-3	1	Lever, manual bleed down
	0361555	1	Assembly tool, bleed
	5560031	2	Nut 5/16-18 self locking
	5569999	1	Bolt, sockethead should .375 1.50 hex
	970299	1	Bolt, hexhead .313-18 2.00 gr5-pl
	984349	1	Nut, hex jam .313-18
	A36053B	1	Install, bleed down kit
10	970009	2	Capscrew 1/4-20 x 1/2 inch long hex head grade 5
11	970029	4	Capscrew 1/4-20 x 3/4 inch long hex head grade 5
12	970299	1	Capscrew 5/16-18 x 2 inch long hex head grade 5
13	970419	4	Capscrew 3/8-16 x 1-1/4 inch long hex head grade 5
14	970469	3	Capscrew 3/8-16 x 1 inch long hex head grade 5
15	970529	1	Capscrew 3/8-16 x 2-1/2 inch long hex head grade 5
16	970539	1	Capscrew 3/8-16 x 2-3/4 inch long hex head grade 5
17	986299	4	Washer 3/8 medium flat
18	987099	2	Washer 1/4 medium lock
19	5560031	1	Nut 5/16-18 self locking
20	5560033	9	Nut 3/8-16 self locking
21	5560038	1	Nut #10-32 self locking
22	5569945	4	Speed nut 1/4-20
23	9980005	4	Cable tie

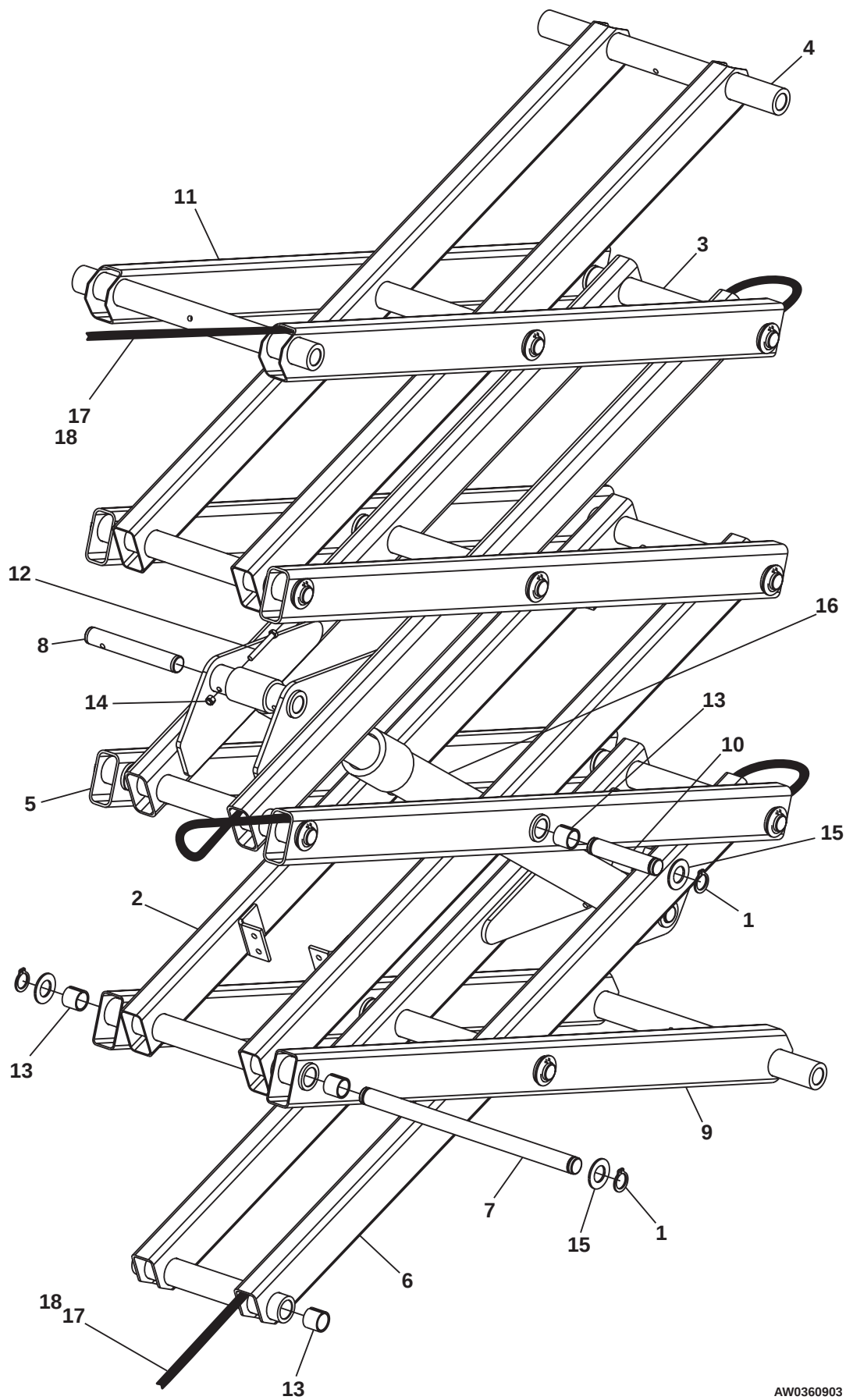


AW0360957

Scissor stack

item	part no	qty	description
	0360903-89	1	Scissor stack
1	300541	22	Snap ring
2	0360909	1	2nd inner arm
3	0360910	1	3rd inner arm
4	0360911	1	4th inner arm
5	0360913	4	Outer arm
6	0361004	1	1st inner arm
7	0361008	9	Pin
8	0361009	2	Pin
9	0361011	1	1st outer arm
10	0361013	2	Pin
11	0361062	1	4th outer arm
12	970539	2	Capscrew 3/8-16 x 2-3/4 inch long hex head grade 5
13	2509662	64	Bearing
14	5560033	2	Nut 3/8-16 self locking
15	5569952	22	Machine bushing 2-1/4 inch OD x 1-1/4 inch ID x 10 gauge thick
16	6047071-89	1	Cylinder, lift - (see page 2-7 for parts breakdown)
17	300228	1	Platform control cable - (see page 3-16 for parts breakdown)
18	5090048	1	Hose guard x 75 inch long

Scissor stack

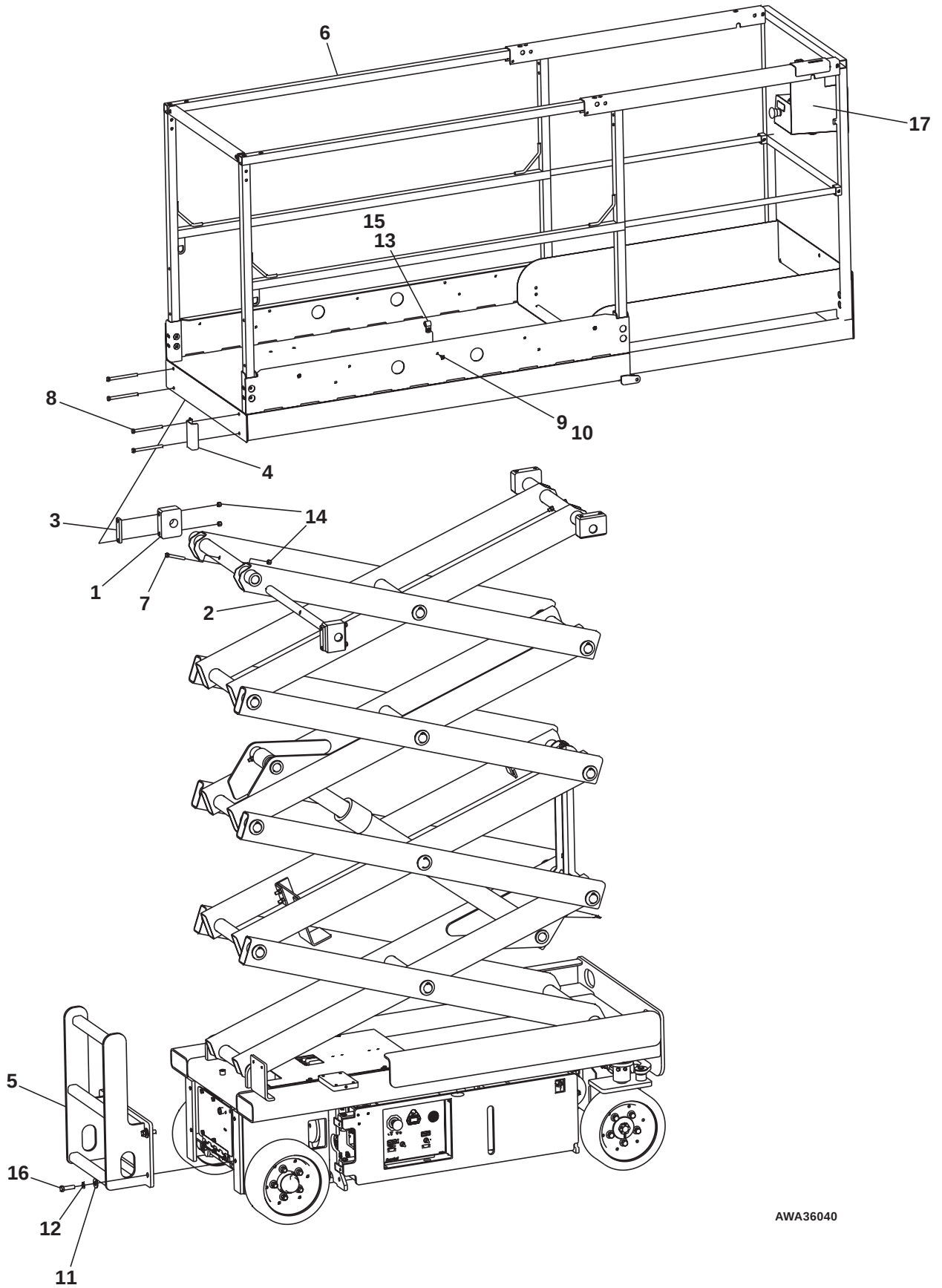


AW0360903

Platform mounting

item	part no	qty	description
1	0361010	4	Slide block
2	0361085	2	Slider shaft
3	0361119-99	2	Spacer, platform
4	0361158-99	1	Raceway, platform control cable
5	0361343-99	1	Step
6	0361308-99	1	Platform, fixed rails - (see page 1-18 for parts breakdown)
	0361309-99	1	Platform, hinged rails - (see page 1-20 for parts breakdown)
7	970539	1	Capscrew 3/8-16 x 2-3/4 inch long hex head grade 5
8	970589	4	Capscrew 3/8-16 x 4-1/2 inch long hex head grade 5
9	974689	3	Machine screw #10-24 x 3/4 inch long round head
10	986009	6	Washer #10 medium flat
11	986359	4	Washer 1/2 medium flat
12	987139	4	Washer 1/2 medium lock
13	5093002	3	Clamp
14	5560033	6	Nut 3/8-16 self locking
15	5560034	3	Nut #10-24 self locking
16	5560154	4	Capscrew 1/2-13 x 1-3/4 inch long hex head grade 8
17	0361218-99	1	Upper control box, standard - (see page 3-8 for parts breakdown)
	0361341	1	Upper control box with battery indicator - (see page 3-9 for parts breakdown)
	0361340	1	Upper control box with horn - (see page 3-10 for parts breakdown)
	0361342	1	Upper control box with horn & battery indicator (see page 3-11 for parts breakdown)

Platform mounting



AWA36040

Platform, fixed rails

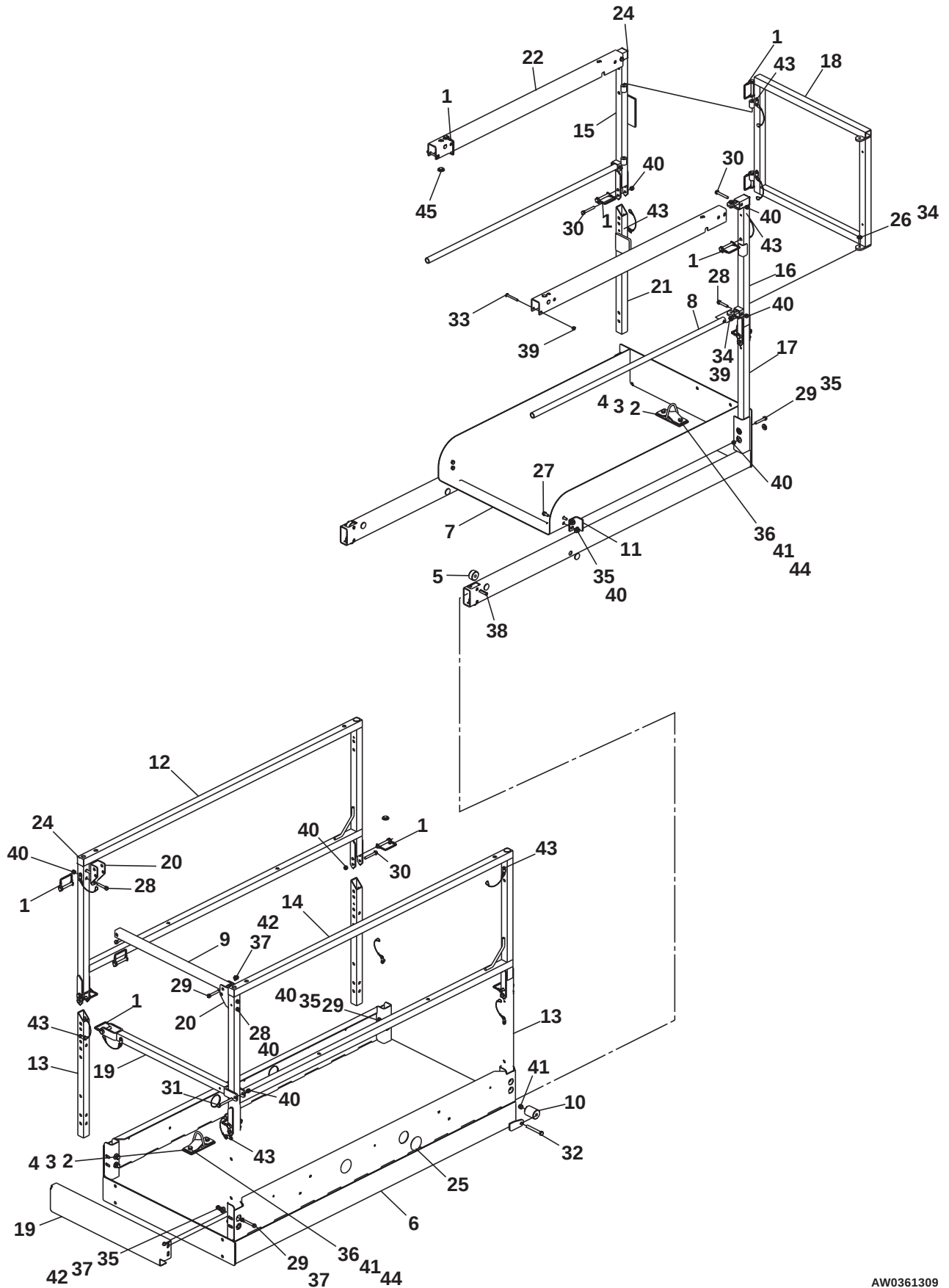
item	part no	qty	description
	0361308-99	1	Platform, fixed rails
1	301497	1	Threaded connector link
2	302544	1	Snap pin with lanyard
3	0360891	2	Bracket, lanyard attachment
4	0360892	2	Tie down D ring
5	0360893	2	Plate, lanyard attachment
6	0360984	4	Roller
7	0360987-99	1	Main platform deck
8	0360988-99	1	Extension deck
9	0360992-99	2	Handrail, extension deck
10	0361134-99	1	Top cross rail
11	0361188	2	Roller
12	0361190-99	2	Stop, extension deck
13	0361281-99	2	Side rail mounting tube
14	0361307-99	2	Bracket, entry rail
15	0361366-99	2	Slide top rail
16	0361368-99	2	Side rail, main deck
17	0361373-99	1	End rail, extension deck
18	458524	1	Entry chain gate
19	468886	4	End cap, 1-1/2 inch square plastic
20	583406	4	Plug, plastic 2 inch diameter
21	970239	4	Capscrew 5/16-18 x 3/4 inch long hex head grade 5
22	970289	6	Capscrew 5/16-18 x 1-3/4 inch long hex head grade 5
23	970299	16	Capscrew 5/16-18 x 2 inch long hex head grade 5
24	970309	2	Capscrew 5/16-18 x 2-1/4 inch long hex head grade 5
25	970549	2	Capscrew 3/8-16 x 3 inch long hex head grade 5
26	975169	2	Machine screw 1/4-20 x 2-1/4 inch long round head
27	986269	16	Washer 5/16 medium flat
28	986299	4	Washer 3/8 medium flat
29	987109	16	Washer 5/16 medium lock
30	989599	4	Roll pin 3/8 inch diameter x 1-1/2 inch long
31	5560004	2	Nut 1/4-20 self locking
32	5560031	16	Nut 5/16-18 self locking
33	5560033	2	Nut 3/8-16 self locking
34	5560335	12	Nut 5/16-18 acorn
35	5560584	1	Machine screw #10-32 x 1/2 inch long taptite
36	5560704	4	Capscrew 3/8-16 x 1-1/4 inch long hex head grade 8
37	5569973	16	Wear pad



Platform, hinged rails

item	part no	qty	description
	0361309-99	1	Platform, hinged rails
1	302544	12	Snap pin with lanyard
2	0360891	2	Bracket, lanyard attachment
3	0360892	2	Tie down D ring
4	0360893	2	Plate, lanyard attachment
5	0360984	4	Roller
6	0360987-99	1	Main platform deck
7	0360988-99	1	Extension deck
8	0360992-99	2	Handrail, extension deck
9	0361134-99	1	Top cross rail
10	0361188	2	Roller
11	0361190-99	2	Stop, extension deck
12	0361278-99	1	Side rail, main deck left hand
13	0361281-99	4	Side rail mounting tube, main deck
14	0361283-99	1	Side rail, main deck right hand
15	0361284-99	1	Corner rail, extension deck left hand
16	0361285-99	1	Corner rail, extension deck right hand
17	0361287-99	1	Side rail mounting tube, extension deck
18	0361289-99	1	End rail, extension deck
19	0361301-99	1	Toe kick
20	0361302-99	1	Gravity gate
21	0361307-99	2	Bracket, entry rail
22	0361338-99	1	Side rail mounting tube, extension deck
23	0361366-99	2	Slide top rail
24	468886	4	End cap, 1-1/2 inch square plastic
25	583406	4	Plug, plastic 2 inch diameter
26	970049	2	Capscrew 1/4-20 x 1 inch long hex head grade 5
27	970239	4	Capscrew 5/16-18 x 3/4 inch long hex head grade 5
28	970289	6	Capscrew 5/16-18 x 1-3/4 inch long hex head grade 5
29	970299	13	Capscrew 5/16-18 x 2 inch long hex head grade 5
30	970309	8	Capscrew 5/16-18 x 2-1/4 inch long hex head grade 5
31	970349	1	Capscrew 5/16-18 x 2-3/4 inch long hex head grade 5
32	970549	2	Capscrew 3/8-16 x 3 inch long hex head grade 5
33	975169	2	Machine screw 1/4-20 x 2-1/4 inch long round head
34	986019	4	Washer 1/4 medium flat
35	986269	16	Washer 5/16 medium flat
36	986299	4	Washer 3/8 medium flat
37	987109	9	Washer 5/16 medium lock
38	989599	4	Roll pin 3/8 inch diameter x 1-1/2 inch long
39	5560004	4	Nut 1/4-20 self locking
40	5560031	27	Nut 5/16-18 self locking
41	5560033	2	Nut 3/8-16 self locking
42	5560335	5	Nut 5/16-18 acorn
43	5560584	12	Machine screw #10-32 x 1/2 inch long tapite
44	5560704	4	Capscrew 3/8-16 x 1-1/4 inch long hex head grade 8
45	5569973	16	Wear pad

Platform, hinged rails

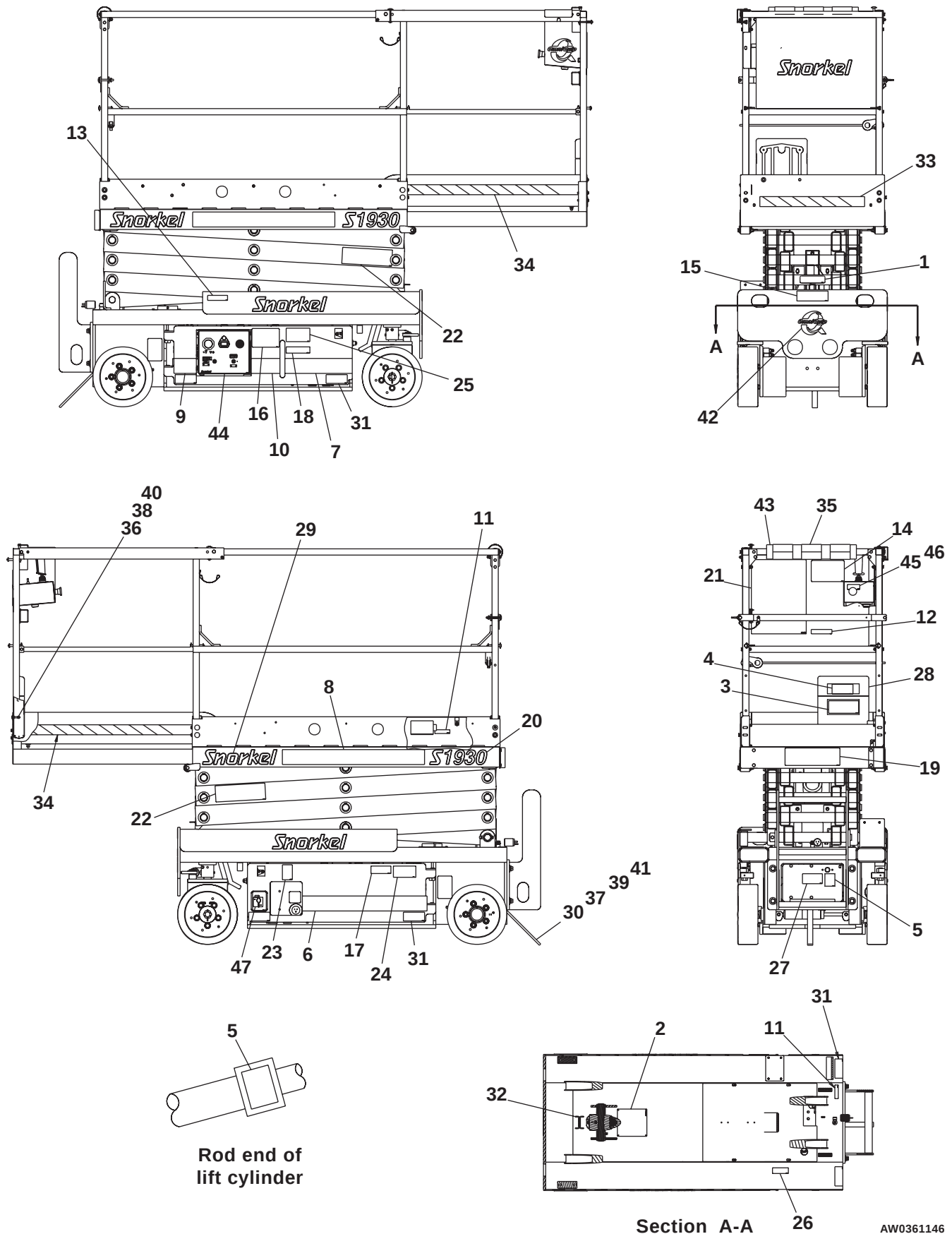


AW0361309

Placards and decals

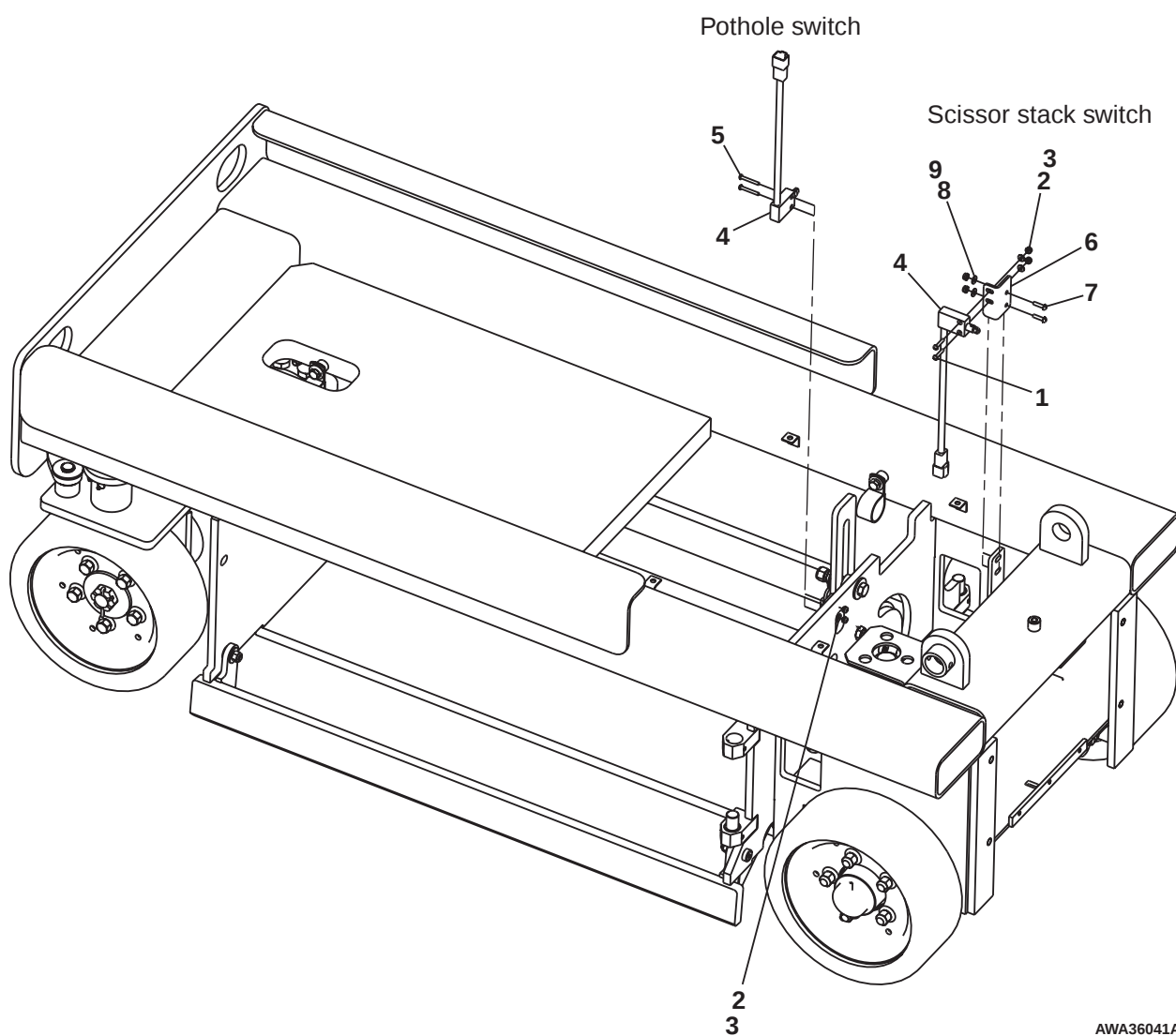
item	part no	qty	description
1	0070420	1	Placard, emergency bleed down valve
2	0070901	1	Placard, caution serial number
3	0073043	1	Decal, operating manual enclosed
4	0073224	1	Decal, notice manual reorder
5	0074311	2	Decal, danger cylinder failure - (1 per cylinder)
6	0074920	1	Decal, 3 inch black stripe x 25 inch long
7	0074920	1	Decal, 3 inch black stripe x 13-1/2 inch long
8	0074920	2	Decal, 3 inch black stripe x 28-1/2 inch long
9	0074920	1	Decal, 3 inch black stripe x 4-1/2 inch long
10	0074920	1	Decal, 3 inch black stripe x 5-3/4 inch long
11	0150606	2	Decal, 125 volt 15 amp power to platform
12	0161329	1	Decal, patents applied for
13	0181562	1	Placard, ANSI standard
14	300699	1	Placard, operators checklist
15	300700	1	Decal, danger shearing/crushing
16	300740	1	Decal, danger towing instructions
17	300760	1	Decal, danger tipover hazard
18	302950	1	Decal, hydraulic oil level
19		1	Decal, platform capacity - (consult factory)
20	0361242	2	Decal, S1930 logo
21	0361258	1	Decal, danger tipover hazard
22	0361259	2	Decal, danger safety prop
23	416836	1	Decal, battery charge
24	451726	1	Decal, check battery before charging
25	451776	1	Decal, hydraulic fluid level
26	451986	1	Placard, danger do not alter switch
27	475596	1	Decal, caution cylinder disassembly
28	562386	1	Record box
29	569295	5	Decal, Snorkel brand logo
30	595944	1	Ground strap
31	621486	6	Decal, fork lift here
32	969249	1	Decal, warning stripes x 2 inch long
33	969249	1	Decal, warning stripes x 21 inch long
34	969249	1	Decal, warning stripes x 36 inch long
35	969249	1	Decal, warning stripes x 8 inch long
36	970059	2	Capscrew 1/4-20 x 1-1/2 inch long hex head grade 5
37	972439	1	Carriage bolt 3/8-16 x 1-1/4 inch long
38	986019	2	Washer 1/4 medium flat
39	986299	1	Washer 3/8 medium flat
40	5560004	2	Nut 1/4-20 self locking
41	5560033	1	Nut 3/8-16 self locking
42	7030004	2	Decal, OmniQuip logo
43	9980003	1	Foam pipe wrap x 18 inch long
44	0361163	1	Placard, lower control box
45	0361215	1	Placard, upper control box
46	0072545	1	Decal, emergency stop
47	0161014	1	Placard, battery disconnect
	0361440		Decal/placard kit S1930

Placards and decals



Pothole and scissor stack switch mounting

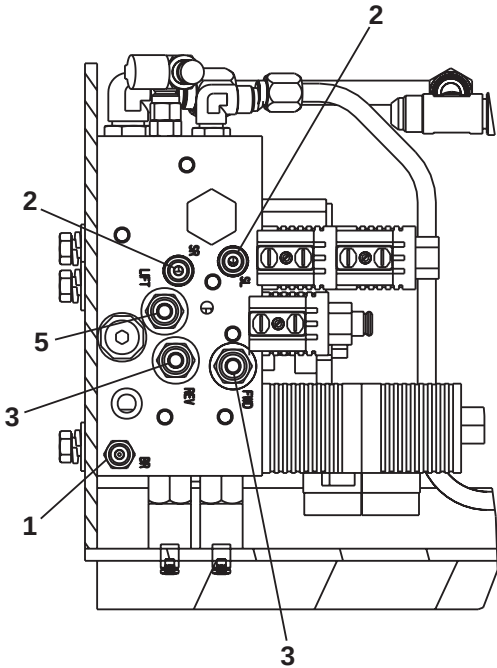
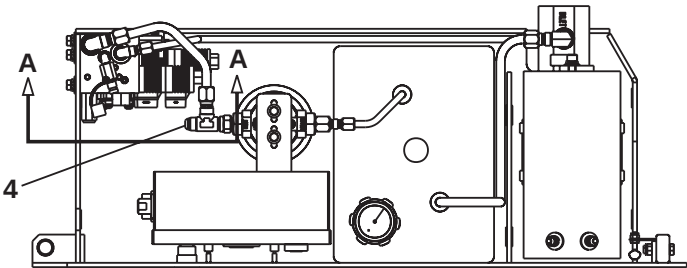
item	part no	qty	description
1	974509	2	Machine screw #8-32 x 7/8 inch long round head
2	986169	4	Washer #8 medium flat
3	5560198	4	Nut #8-32 self locking
4	3028795	2	Switch, roller plunger - (see page 3-17 for parts breakdown)
5	974499	2	Machine screw #8-32 x 1-1/4 inch long round head
6	0361305-99	1	Bracket, limit switch actuator
7	974689	2	Machine screw #10-24 x 3/4 inch long round head
8	5560034	2	Nut #10-24 self locking
9	986009	2	Washer #10 medium flat



AWA36041A

Hydraulic tray hoses

item	part no	qty	description
1	0361153	1	1/4 inch hydraulic hose
2	0360267	2	1/4 inch hydraulic hose
3	0361155	2	3/8 inch hydraulic hose
4	0361153	1	1/4 inch hydraulic hose
5	0361162	1	3/8 inch hydraulic hose

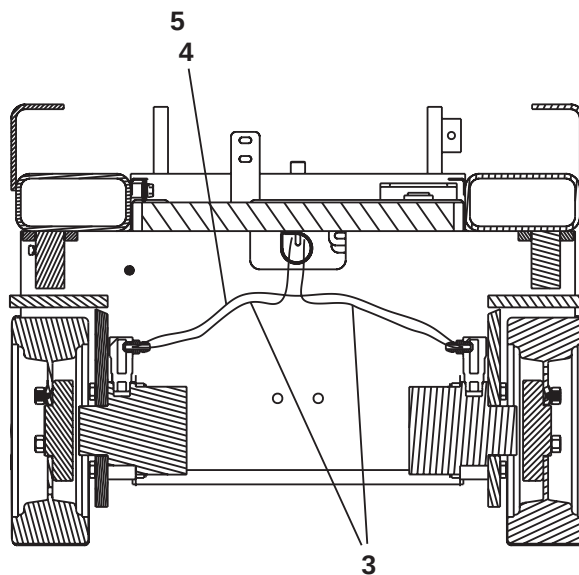


VIEW A-A

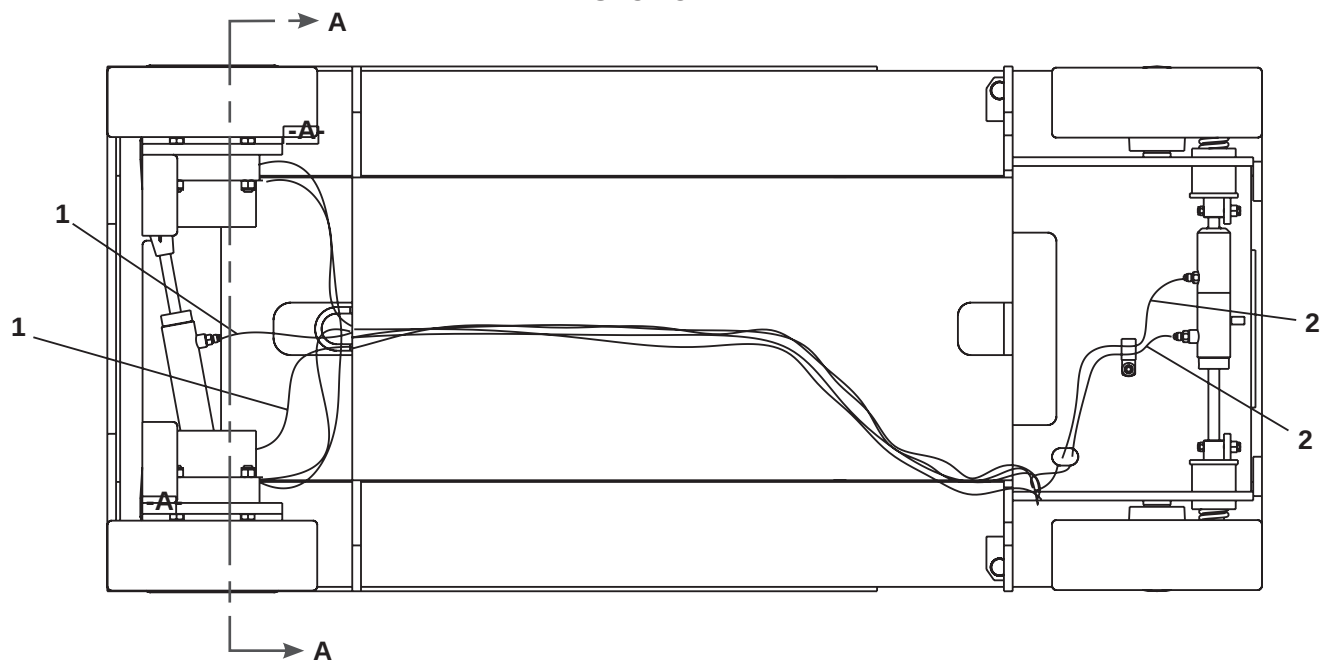
AW0360956-2

Steering and brake hoses

item	part no	qty	description
1	0360267	2	1/4 inch hydraulic hose
2	0361153	2	1/4 inch hydraulic hose
3	0361353	2	3/8 inch hydraulic hose
4	0361354	1	3/8 inch hydraulic hose
5	5090034	1	Hose guard x 24 inch long



SECTION A-A



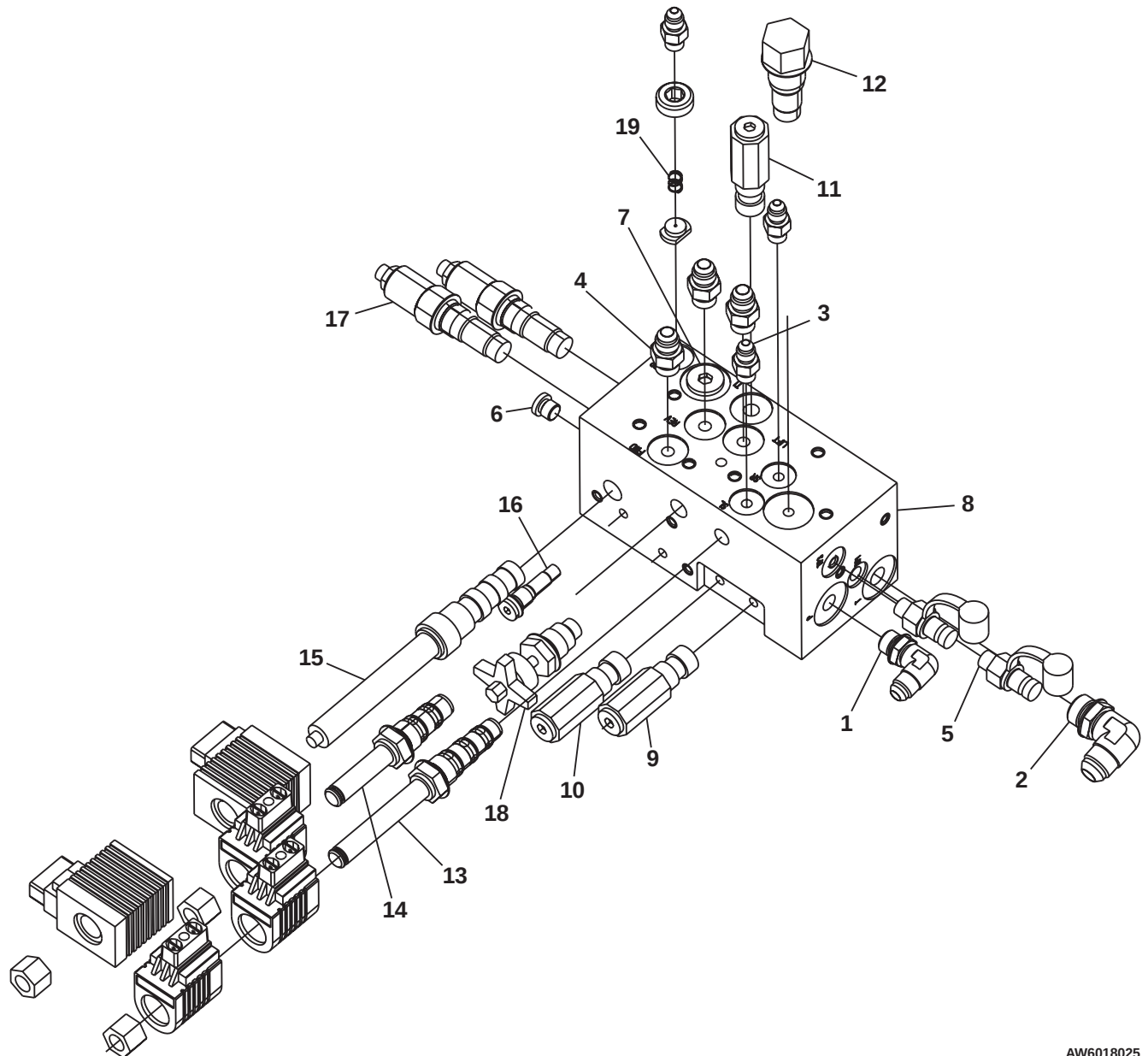
BOTTOM VIEW

AW0360945-2

Manifold valve - before 12/3/03

item	part no	qty	description
	6018025	1	Manifold valve, before 12/3/03
	6019024		Manifold valve, after 12/3/03 (see pages 2-5.1 and 2-5.2 for parts breakdown)
1	5035305	1	Straight thread 90° elbow
2	5035306	1	Straight thread 90° elbow
3	5065703	3	Straight thread adapter
4	5065707	3	Straight thread adapter
5	5070006	2	Diagnostic nipple
6	5075303	1	Hex plug
7	5075306	1	Hex plug
8	6018026	1	Manifold
9	6018985	1	Relief valve cartridge - (factory preset, do not reset) - System
	6019007	1	Seal repair kit
10	6018986	1	Relief valve cartridge - (factory preset, do not reset) - Steer
	6019007	1	Seal repair kit
11	6018987	1	Relief valve cartridge - (factory preset, do not reset) - Lift
	6019007	1	Seal repair kit
12	6018988	1	Flow control valve
	6019010	1	Seal repair kit
13	6018989	1	Solenoid valve, 20 volt DC - Steer, before 12/3/03
	6019011	1	Seal repair kit
	6019001	1	Replacement cartridge
	6019004	1	Replacement solenoid, 20 volt DC
	6019044		Solenoid valve, 20 volt DC - Steer, after 12/3/03
14	6018990	1	Solenoid valve, 20 volt DC - Lift, before 12/3/03
	6019008	1	Seal repair kit
	6019002	1	Replacement cartridge
	6019004	1	Replacement solenoid, 20 volt DC
	6019045		Solenoid valve, 20 volt DC - Lift, after 12/3/03
15	6018992	1	Solenoid valve, 20 volt DC - Drive, before 12/3/03
	6019012	1	Seal repair kit
	6019000	1	Replacement cartridge
	6019003	1	Replacement solenoid, 20 volt DC
	6019092		Solenoid valve, 20 volt DC - Drive, after 12/3/03
16	6018993	1	Shuttle valve
	6019006	1	Seal repair kit
17	6018994	2	Counterbalance valve cartridge - (factory preset, do not reset)
	6019009	1	Seal repair kit
18	6018998	1	Needle valve
	6019007	1	Seal repair kit
19	6019005	1	Flow check valve

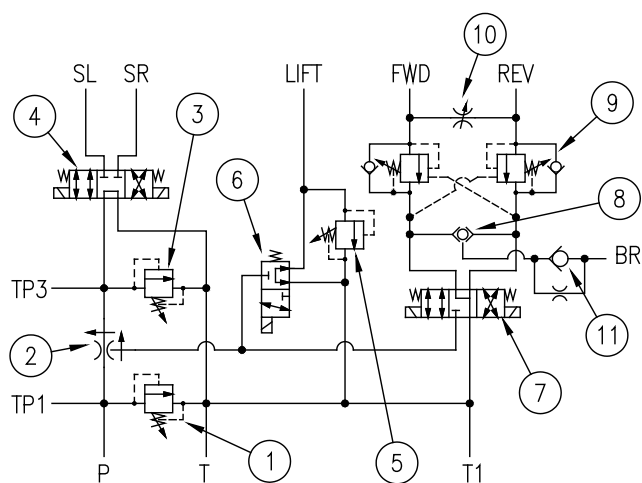
Manifold valve - before 12/3/03



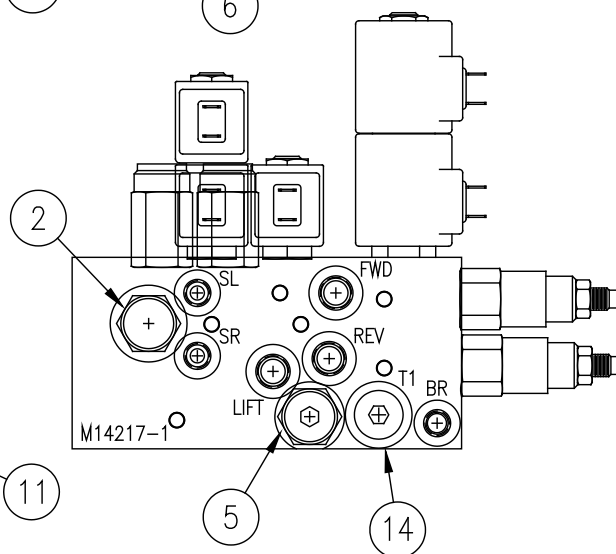
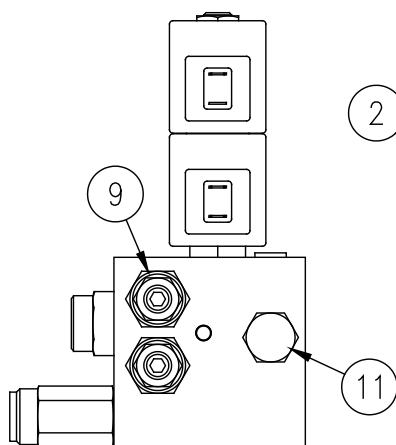
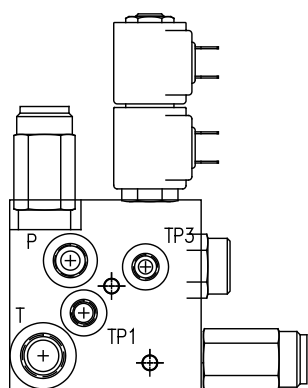
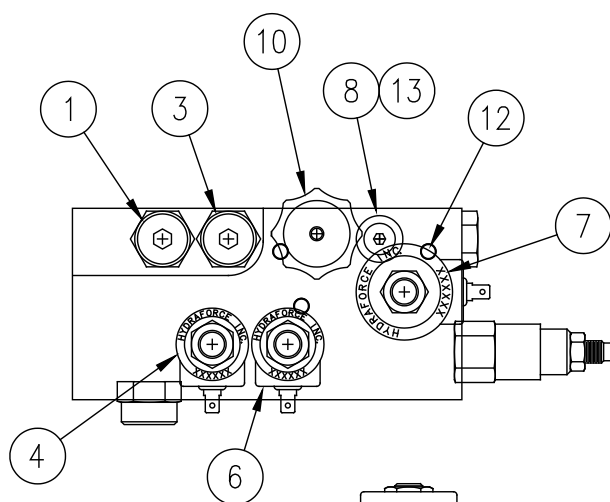
AW6018025

Manifold valve - after 12/3/03

Item	Part No.	Qty.	Description
	6019024	1	Manifold assembly
1	6019039	1	Relief valve, system
2	6019040	1	Flow regulator
3	6019038	1	Relief valve, steer
4	6019044	1	4-way solenoid valve, steer
	6019032		Cartridge only
	583956		Coil only
5	6019037	1	Relief valve, lift
6	6019045	1	3-way solenoid valve, lift
	6019033		Cartridge only
	583956		Coil only
7	6019046	1	4-way solenoid valve, drive
	6019035		Cartridge only
	6019034		Coil only
8	6019041	1	Shuttle valve, brake
9	6019082	2	Counterbalance valve, drive
10	6019036	1	Needle valve, free-wheeling
11		1	.030 orifice check valve, brake
12		13	7mm permanent plug
13		1	-4 SAE O-ring flush head plug
14		1	-8 SAE O-ring flush head plug

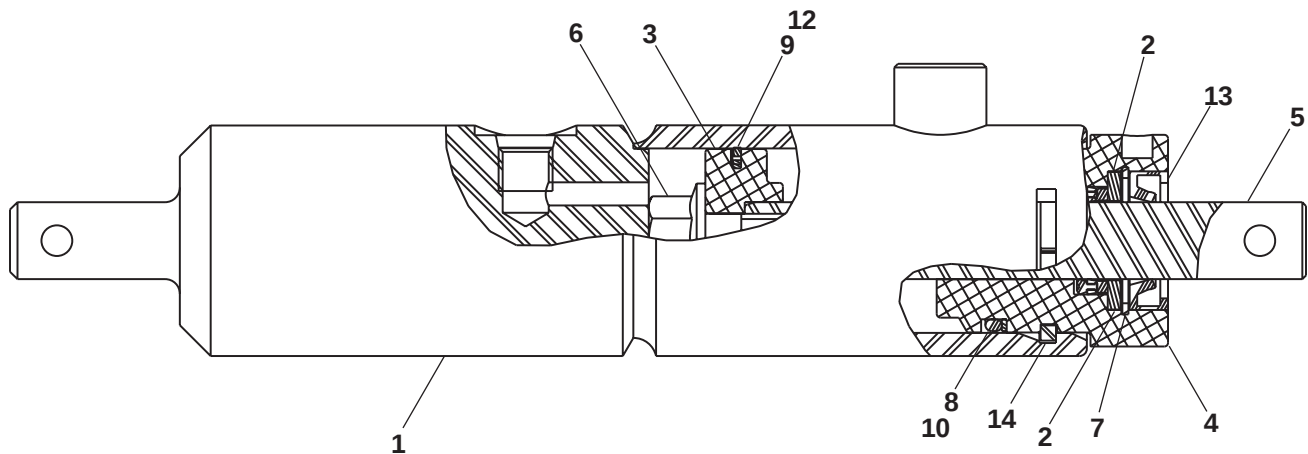


HYDRAULIC SCHEMATIC



Cylinder, brake - Rosenboom

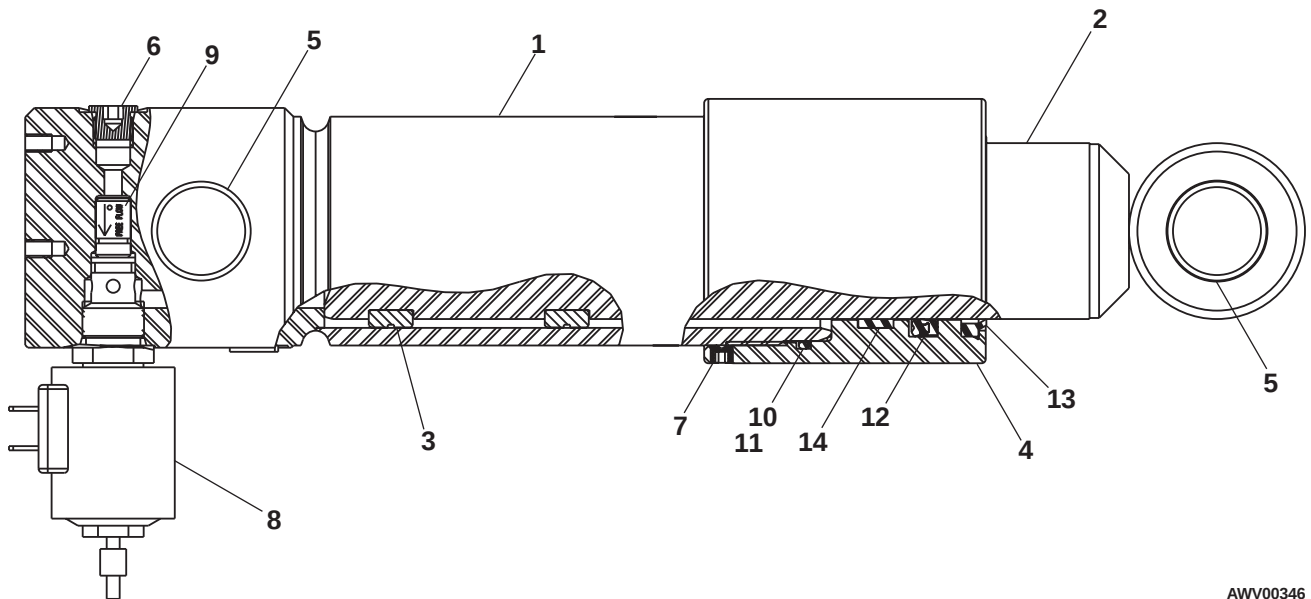
item	part no	qty	description
	6047072-99	1	Cylinder, brake - Rosenboom
	6091343	1	Seal repair kit - (kit includes items 7 through 14)
1		1	Tube - (not sold separately)
2	6091338	1	Support washer
3	6091339	1	Piston
4	6091340	1	Head gland
5	6091341	1	Rod
6	6091342	1	Capscrew 7/16-14 flange bolt grade 8
7	Kit item	1	Snap ring - (not sold separately)
8	Kit item	1	O-ring - (not sold separately)
9	Kit item	1	Square ring - (not sold separately)
10	Kit item	1	Back-up - (not sold separately)
11	Kit item	1	Deep Z-seal - (not sold separately)
12	Kit item	1	Piston seal - (not sold separately)
13	Kit item	1	Rod wiper - (not sold separately)
14	Kit item	1	Square wrap-in wire - (not sold separately)



AWV00345

Cylinder, lift - Rosenboom

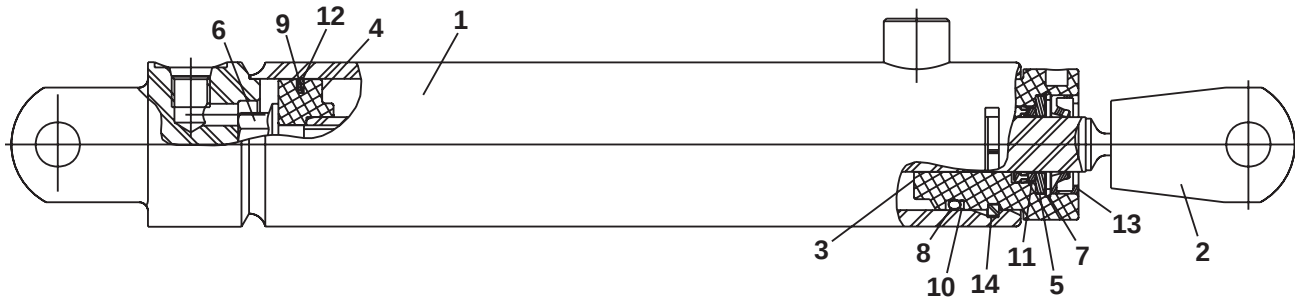
item	part no	qty	description
	6047071-89	1	Cylinder, lift - Rosenboom
	6091349	1	Seal repair kit - (kit includes items 10 through 14)
1		1	Tube - (not sold separately)
2	6091347	1	Rod
3	6091346	2	Piston
4	6091345	1	Head gland cap
5	2509962	4	Bearing
6	5075305	2	Hex plug
7	5569835	1	Set screw 5/16-18 x 1/4 inch long
8	6018023	1	Solenoid valve, 24 volt DC
	565666	1	Seal repair kit
	6018024	1	Replacement cartridge
	564376	1	Replacement solenoid, 24 volt DC
9	6091348	1	Check valve
10	Kit item	1	O-ring - (not sold separately)
11	Kit item	1	Back-up - (not sold separately)
12	Kit item	1	Deep Z-seal - (not sold separately)
13	Kit item	1	Rod wiper - (not sold separately)
14	Kit item	1	Wearband - (not sold separately)



AWV00346

Cylinder, steering - Rosenboom

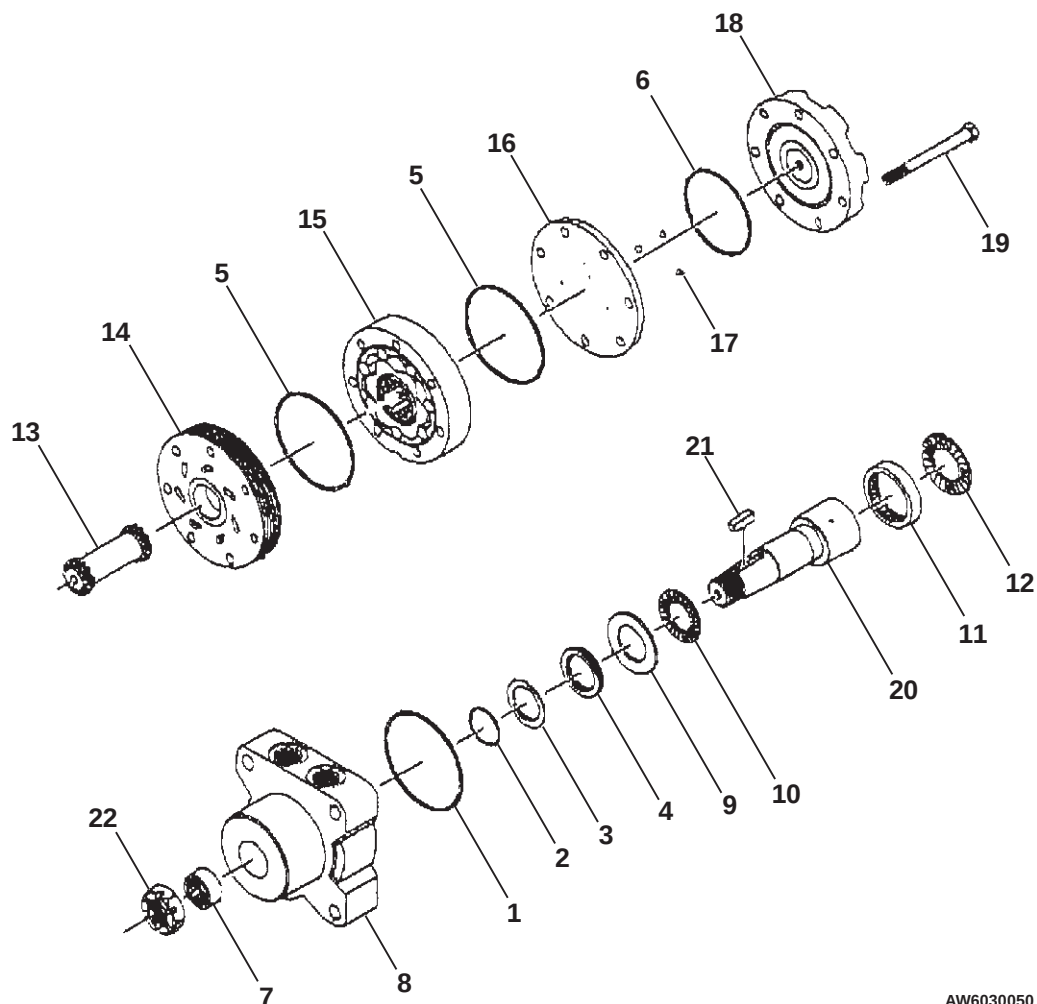
item	part no	qty	description
	6047073-99	1	Cylinder, steering - Rosenboom
	6091343	1	Seal repair kit - (kit includes items 7 through 14)
1		1	Tube - (not sold separately)
2	6091357	1	Rod
3	6091340	1	Head gland
4	6091339	1	Piston
5	6091338	1	Support washer
6	6091342	1	Capscrew 7/16-14 flange bolt grade 8
7	Kit item	1	Snap ring - (not sold separately)
8	Kit item	1	O-ring - (not sold separately)
9	Kit item	1	Square ring - (not sold separately)
10	Kit item	1	Back-up - (not sold separately)
11	Kit item	1	Deep Z-seal - (not sold separately)
12	Kit item	1	Piston seal - (not sold separately)
13	Kit item	1	Rod wiper - (not sold separately)
14	Kit item	1	Square wrap-in wire - (not sold separately)



AWV00368

Hydraulic drive motor

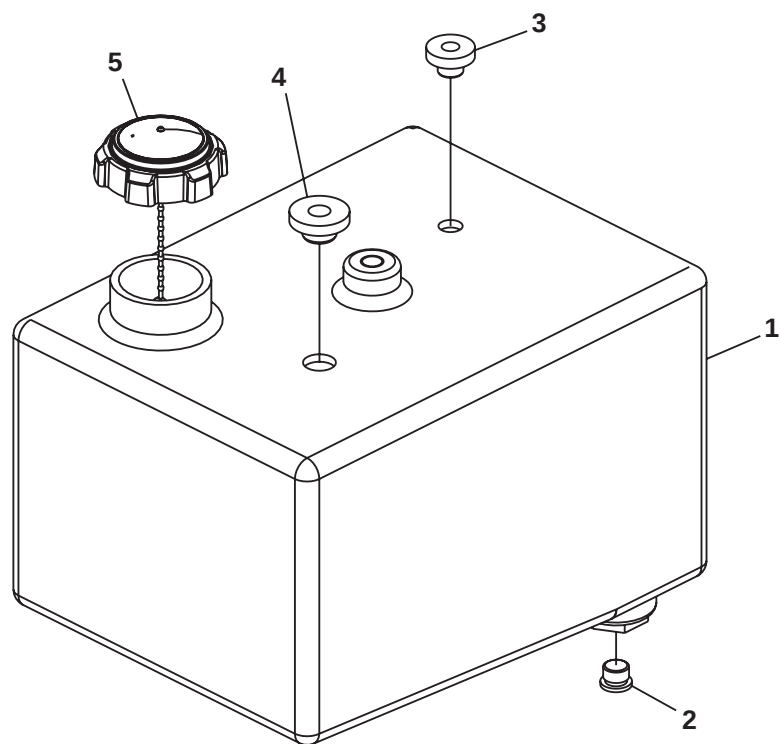
item	part no	qty	description
	6030050-99	1	Hydraulic drive motor
	8230174	1	Seal repair kit - (kit includes items 1 through 6)
1	Kit item	1	Housing seal - (not sold separately)
2	Kit item	1	Metal shim - (not sold separately)
3	Kit item	1	Teflon backup seal - (not sold separately)
4	Kit item	1	Shaft seal - (not sold separately)
5	Kit item	2	Body seal - (not sold separately)
6	Kit item	1	End cover seal - (not sold separately)
7	8230165	1	Front housing bearing
8		1	Housing - (not sold separately)
9	8230167	1	Front thrust washer
10	8230133	1	Front thrust bearing
11	8230134	1	Rear housing bearing
12	8230131	1	Rear thrust bearing
13	8230166	1	Drive link
14	8230136	1	Manifold
15	8230168	1	Rotor
16	8230140	1	Balance plate
17	8230141	3	Steel balls
18	8230169	1	End cover
19	8230170	7	Assembly bolts
20	8230171	1	Shaft
21	8230172	1	Shaft key
22	8230173	1	Shaft nut



AW6030050

Hydraulic oil reservoir

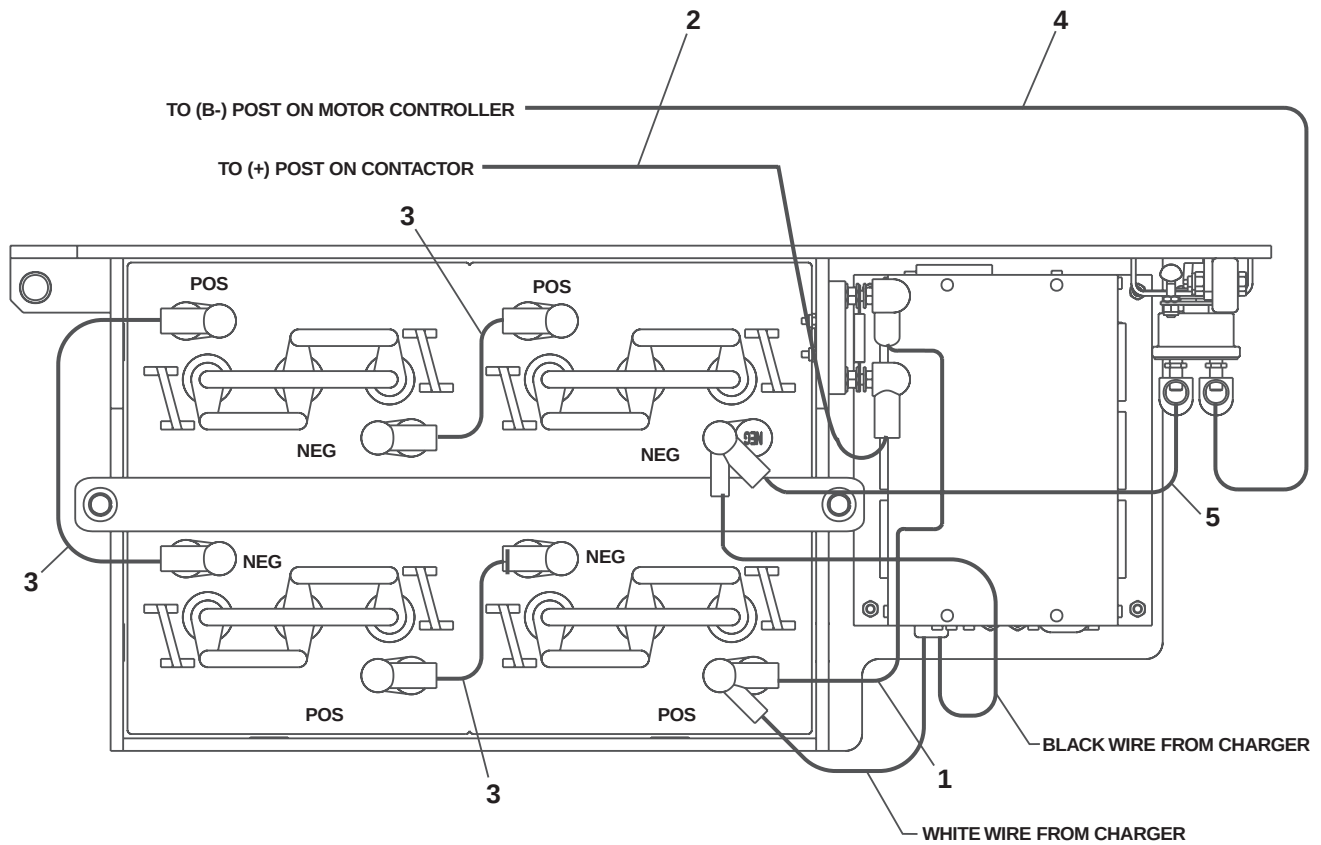
item	part no	qty	description
	0361069	1	Hydraulic oil reservoir
1	0360966	1	Reservoir, 3.3 gallon capacity
2	5075305	1	Hex plug
3	5569931	1	Grommet
4	5569946	1	Grommet
5	9940021	1	Fuel tank cap



AW0361069

Battery tray wiring

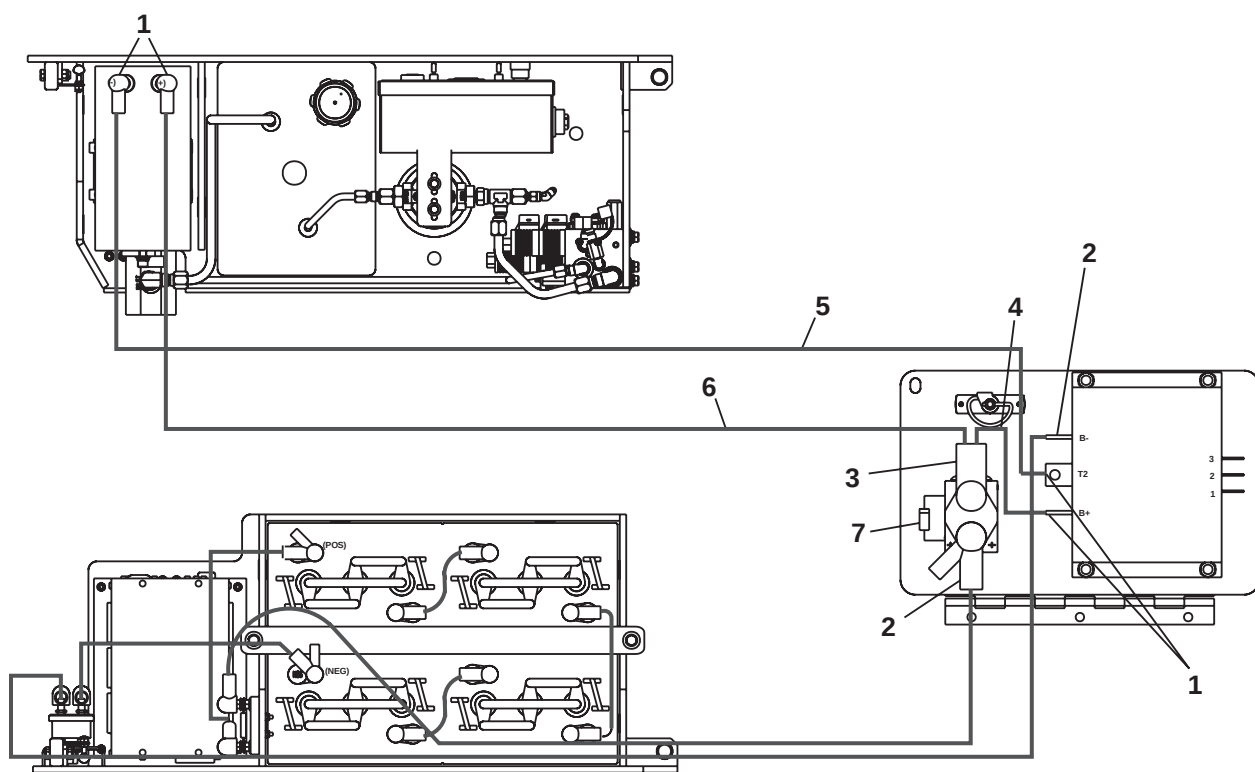
item	part no	qty	description
1	0162244	1	Battery cable, red
2	0361237	1	Battery cable, red
3	584926	3	Cable, black
4	0361236	1	Battery cable, black
5	0161404	1	Jumper wire



AW0360954-2

Connection diagram, battery cables

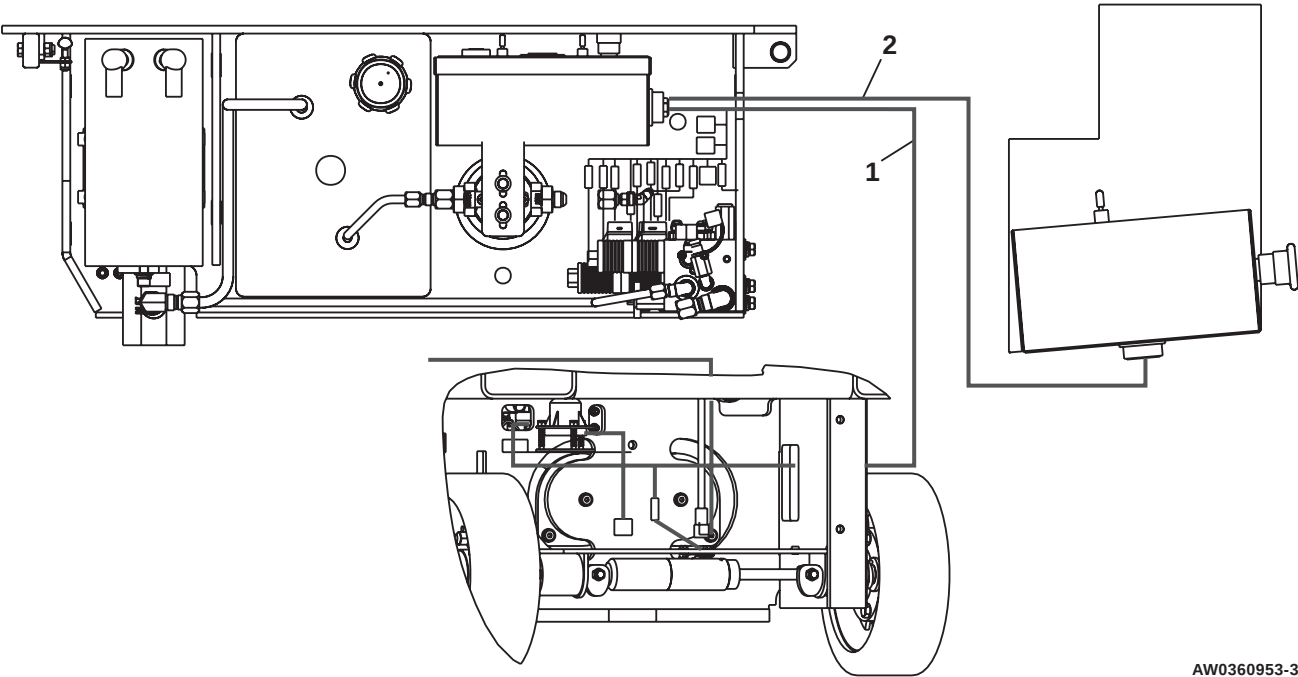
item	part no	qty	description
1	3040269	4	Insulator boot
2	3040270	2	Insulator boot
3	3043802	1	Insulator boot
4	0150440	1	Battery wire
5	0361239	1	Drive motor wire, negative
6	0361238	1	Drive motor wire, positive
7	0361257	1	Contactor diode wire
	3040293	1	Replacement diode
	3044559	2	Replacement terminal



AW0360953-2

Connection diagram, wire harnesses

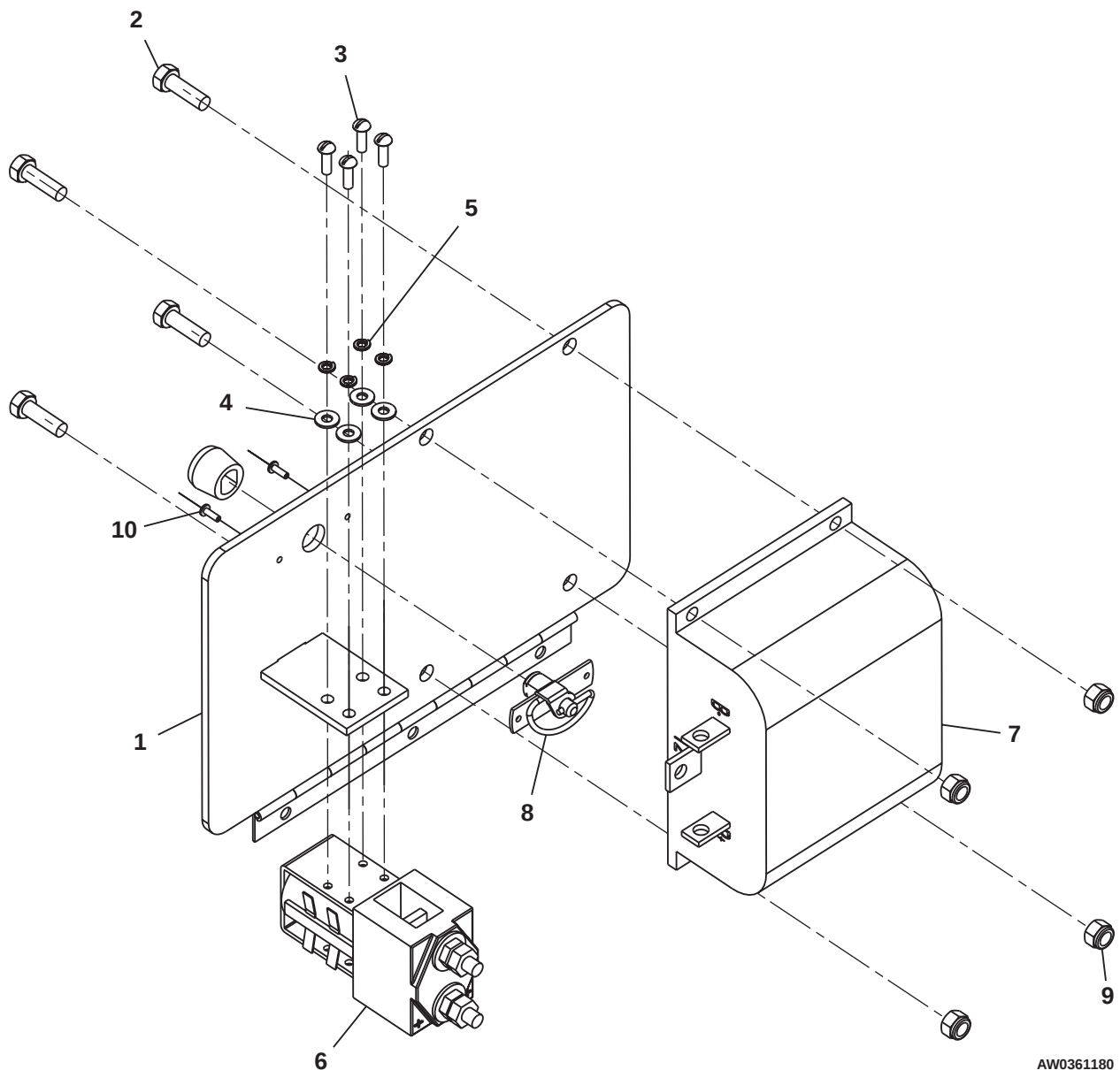
item	part no	qty	description
1	0361196	1	Wire harness, main - (see page 3-18 for parts breakdown)
2	0361206	1	Platform control cable - (see page 3-16 for parts breakdown)



AW0360953-3

Electric panel

item	part no	qty	description
	0361180	1	Electric panel
1	0361177-99	1	Door
2	970259	4	Capscrew 5/16-18 x 1 inch long hex head grade 5
3	974549	4	Machine screw #10-32 x 5/8 inch long round head
4	984009	4	Nut #6-32 hex
5	987089	4	Washer #10 medium lock
6	3080042	1	Contactor, 24 volt DC
7	3080043	1	Analog pump motor controller
8	5510003	1	Door latch and knob
9	5560031	4	Nut 5/16-18 self locking
10	5560656	2	Pop rivet 1/8 inch aluminum #RVT-AD46 ABS

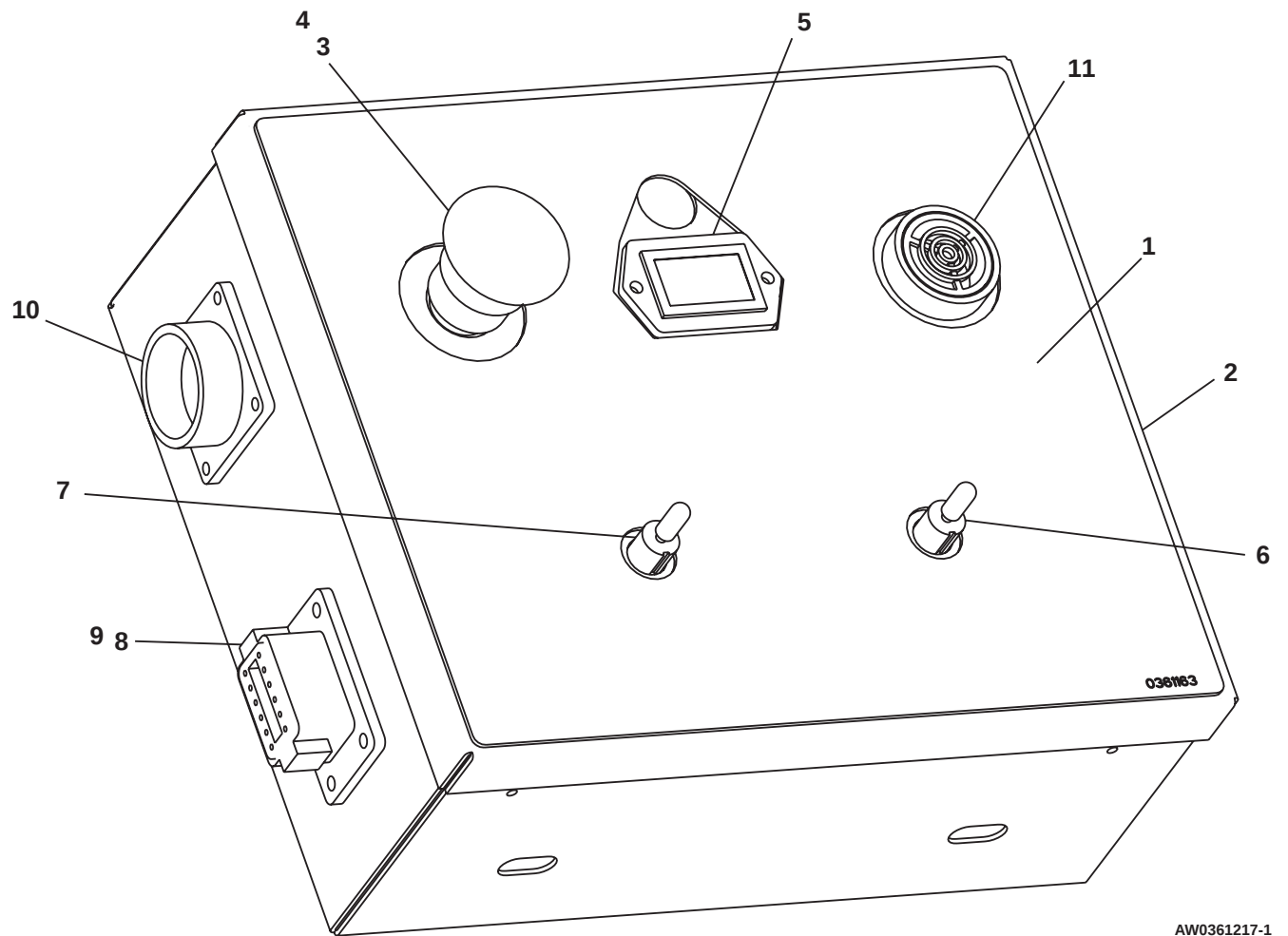


AW0361180

Lower control box

item	part no	qty	description
	0361217-99	1	Lower control box
1	0361163	1	Placard, lower control box
2	0361207	1	Housing, lower control box
	3028810		Emergency stop switch assembly, replaces 446828 and 446836 below
3	446826	1	Contact block, emergency stop switch, no longer available
4	446836	1	Emergency power switch, no longer available
5	455186	1	Hour meter
6	3020016	1	Switch, toggle
7	3020018	1	Switch, toggle
8	3049837	1	Connector, 12 pin
	3040341		Pin
9	3049849	1	Lock wedge 12 pin plug
10	3049974	1	Connector, 24 pin square flange receptacle
	3049977		Pin
11	3049978	1	Alarm, mini siren
			Following items not shown, inside of control box
12	0361260	1	Wire harness, amp connector
13	0361261	1	Wire harness, tilt relay
14	0361262	1	Wire harness, lift relay
15	0361263	1	Wire harness, high speed relay
16	0361264	1	Wire harness, DSR relay
17	0361268	1	Lower control box internal harness kit
18	0361232	1	Lower internal harness connector
19	0361233	13	Diode wire
20	0361274	1	Resister wire
21	0361275	1	Resister wire
22	0361399	1	Resister wire
23	3043809	3	Terminal strip tab
24	3043808	6	Terminal strip jumpers
25	3043807	2	Terminal strip
26	3043810	1	Terminal strip
27	3043806	1	Potentiometer 10k
28	562326	4	Relay, 24 volt DC
29	0361272	1	Potentiometer bracket
30	3040156	1	Fuse, 15 amp capacity
31	0361235	1	Lower control box internal label
32	8130075	1	Fuse holder
	0361451		Key switch option
	302859		Wire
	583146		Decal
	480006		O-ring
	486756		Key switch
	488216		Key

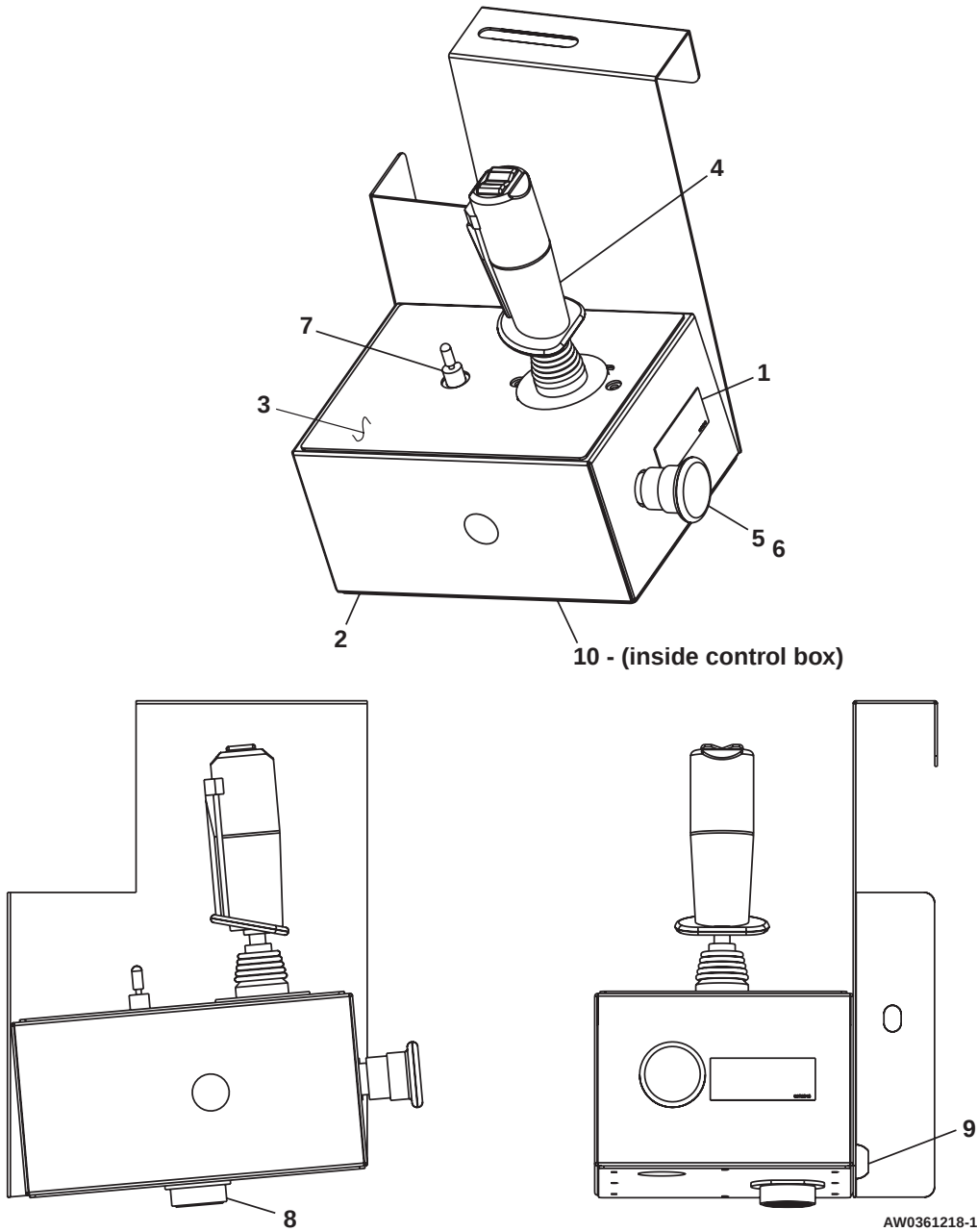
Lower control box



AW0361217-1

Upper control box, standard

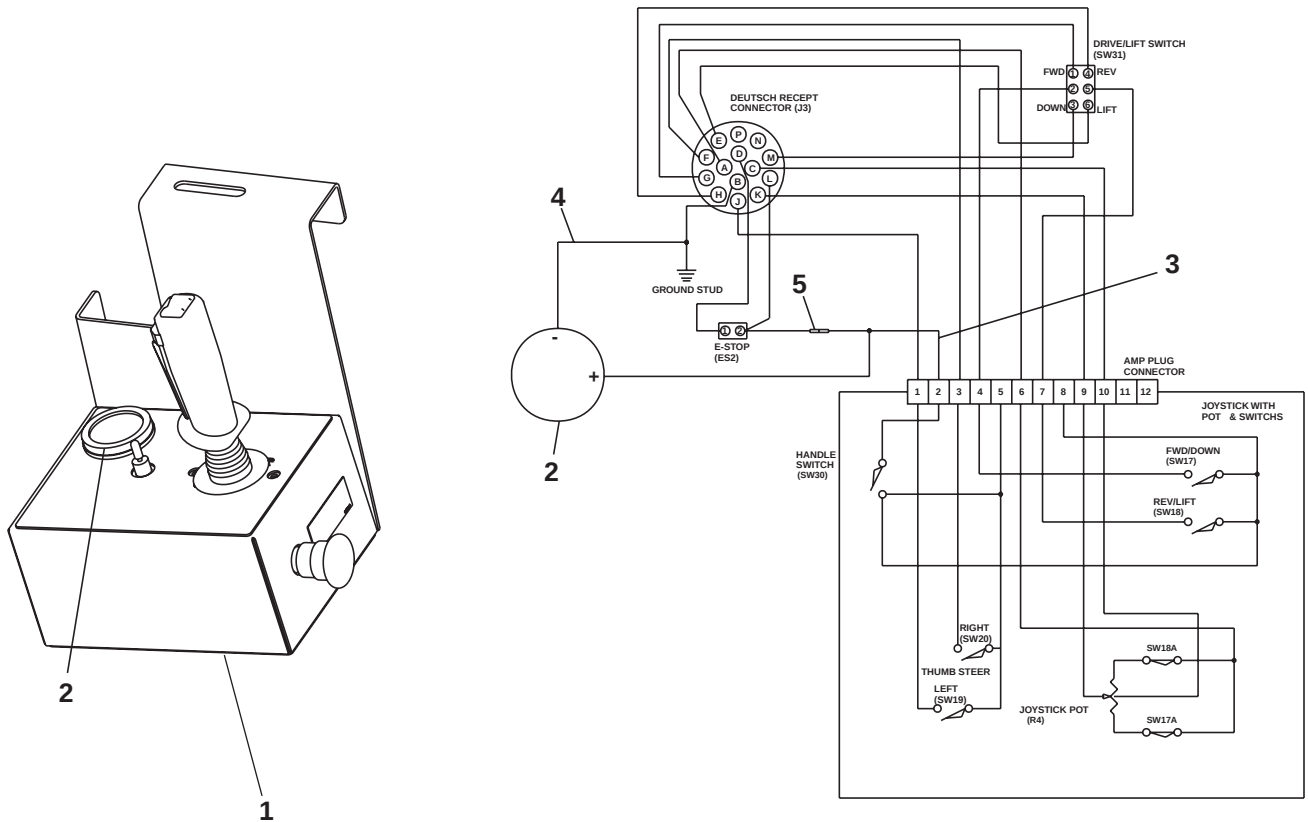
item	part no	qty	description
	0361218-99	1	Upper control box, standard
1	0072545	1	Decal, emergency stop
2	0361213-99	1	Control box
3	0361215	1	Placard, upper control box
4	0361219	1	Controller, upper control box - (see page 3-13 for parts breakdown)
	3028810	1	Emergency stop switch assembly, replaces 446828 and 446836 below
5	446826	1	Contact block, emergency stop switch, no longer available
6	446836	1	Emergency power switch, no longer available
7	3020097	1	Switch, toggle - drive/lift
8	3049862	1	Connector, 14 pin
	3040095	1	Replacement pin
9	5560080	1	Bumper
10	0361227	1	Wire harness, Upper control box internal - (see page 3-19 for parts breakdown)
			Not shown
	1321745	1	Latch



AW0361218-1

Upper control box with battery indicator

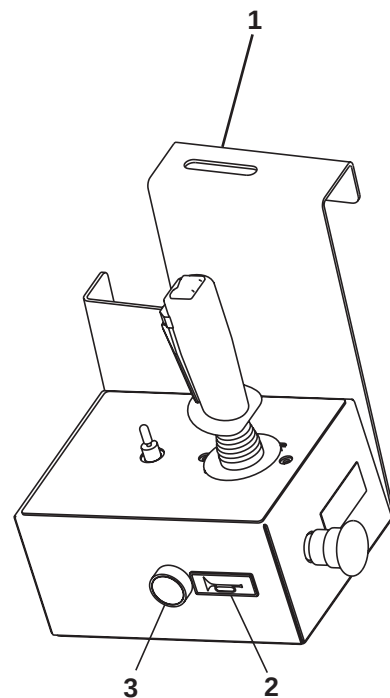
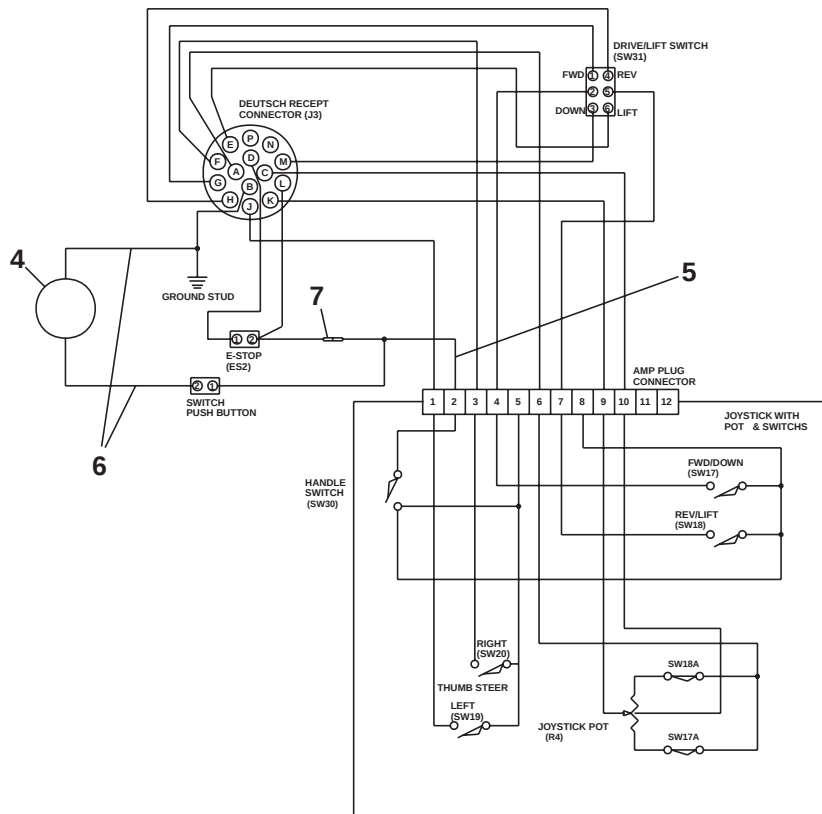
item	part no	qty	description
	0361341	1	Upper control box with battery indicator
1	0361218-99	1	Upper control box, standard - (see page 3-8 for parts breakdown)
2	487696	1	Gauge, battery condition indicator
3	0361299	1	Wire harness, battery condition indicator
4	0361315	1	Jumper wire
5	3043813	1	Connector 1 pin



AW0361341

Upper control box with horn

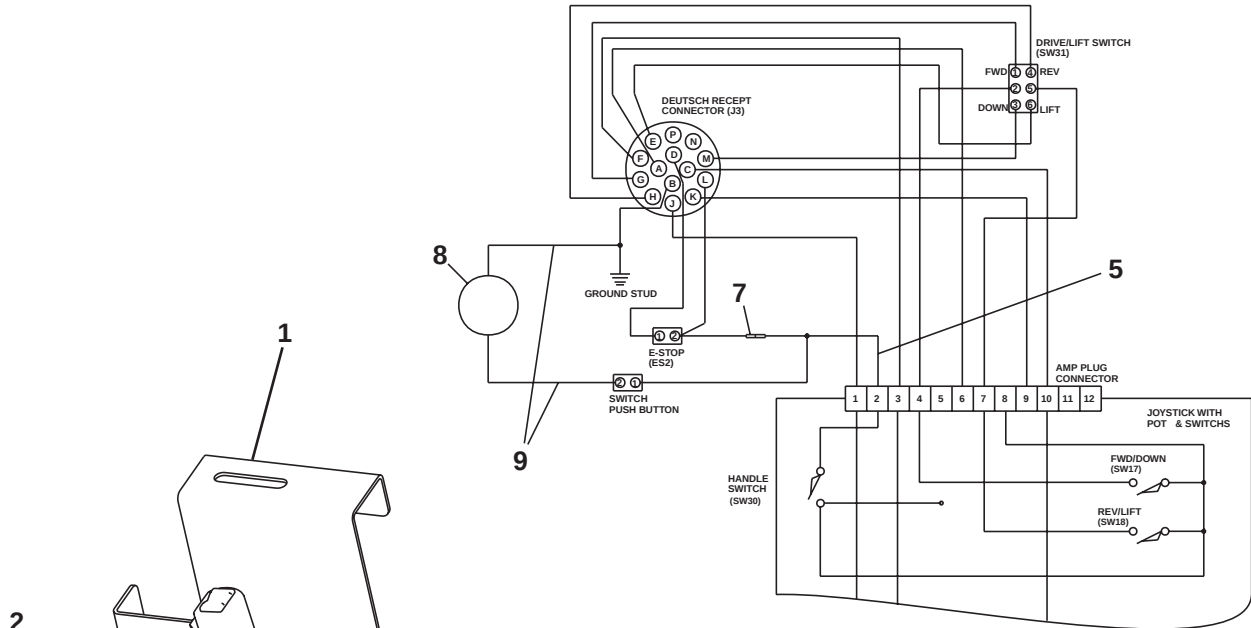
item	part no	qty	description
	0361340	1	Upper control box with horn
1	0361218-99	1	Upper control box, standard - (see page 3-8 for parts breakdown)
2	0071269	1	Placard, horn
3	3026027	1	Switch, push button
4	3040411	1	Mini siren, engine alarm
5	0361299	1	Wire harness, battery condition indicator
6	0361314	1	Jumper wire
7	3043813	1	Connector 1 pin



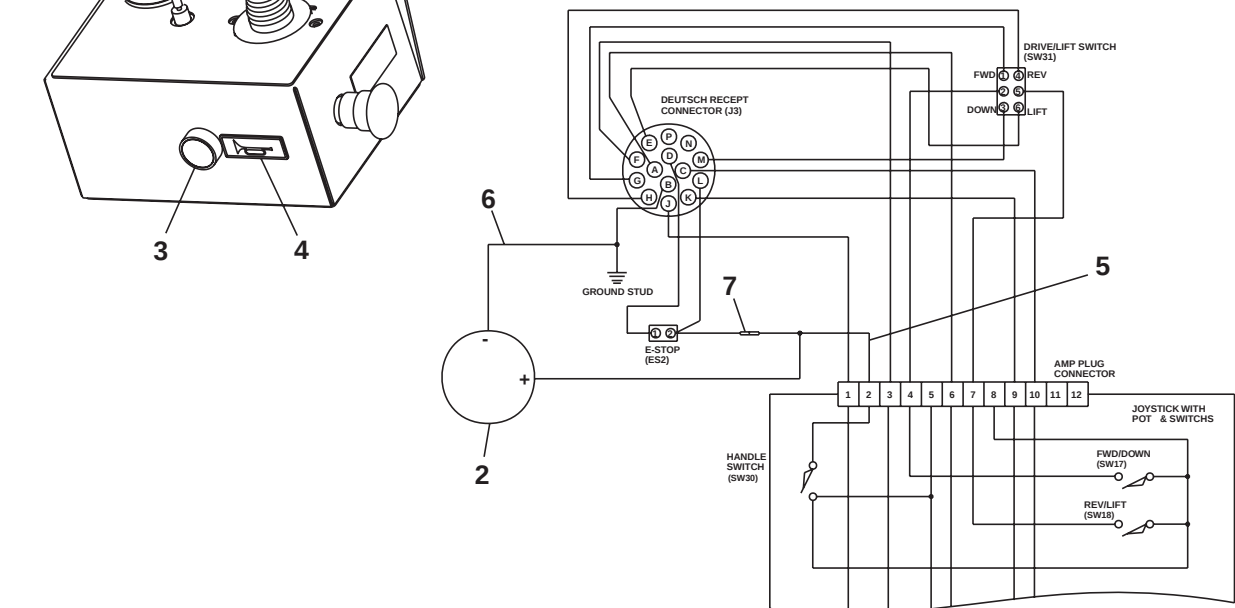
AW0361340

Upper control box with horn & battery indicator

item	part no	qty	description
	0361342	1	Upper control box with horn & battery indicator
1	0361218-99	1	Upper control box, standard - (see page 3-8 for parts breakdown)
2	487696	1	Gauge, battery condition indicator
3	3026027	1	Switch, push button
4	0071269	1	Placard, horn
5	0361299	1	Wire harness, battery condition indicator
6	0361315	1	Jumper wire
7	3043813	2	Connector 1 pin
8	3040411	1	Mini siren, engine alarm
9	0361314	1	Jumper wire



Horn wiring

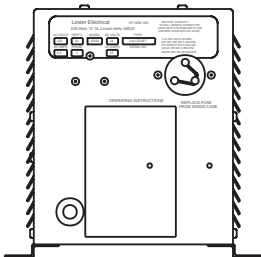
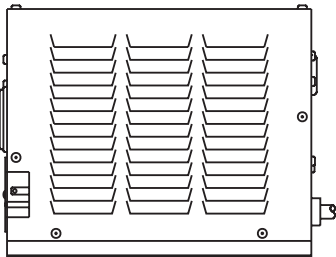
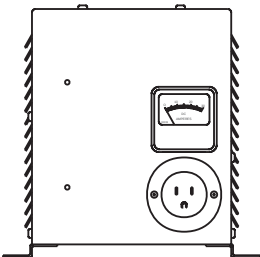
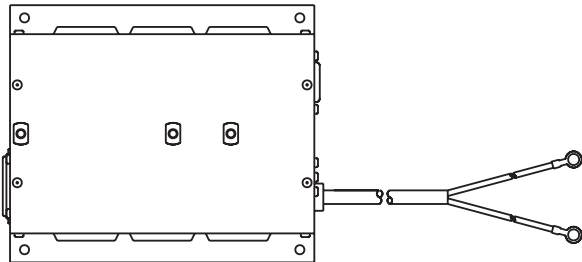


Battery indicator wiring

AW0361342

Battery charger

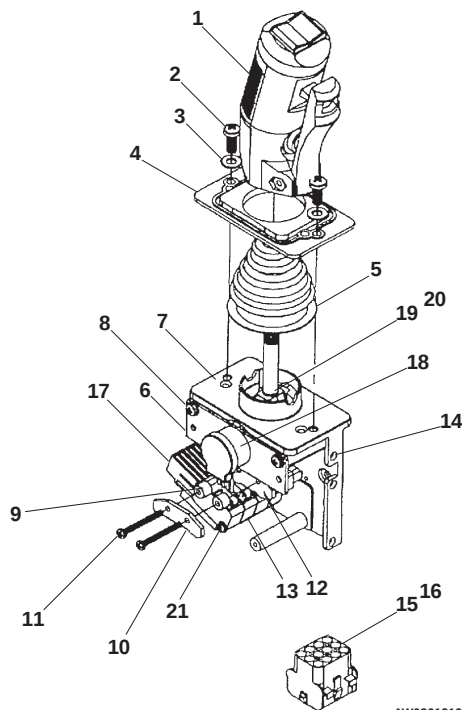
item	part no	qty	description
	300909	1	Battery charger, Lester before 2001
1	8120046	1	Case
2	8120015	1	Transformer
3	8120031	1	Heatsink
4	8120023	1	Capacitor
5	28120013	1	Ammeter
6	8120030	1	Electronic timer
7	3040384	1	Fuse assembly
8	8120035	1	Strain relief bushing, AC cord
9	8120047	1	Cordset, DC
10	8120038	1	Motor base receptacle
	3050097		Battery charger, Signet after 2001



AW300909

Controller, upper control box

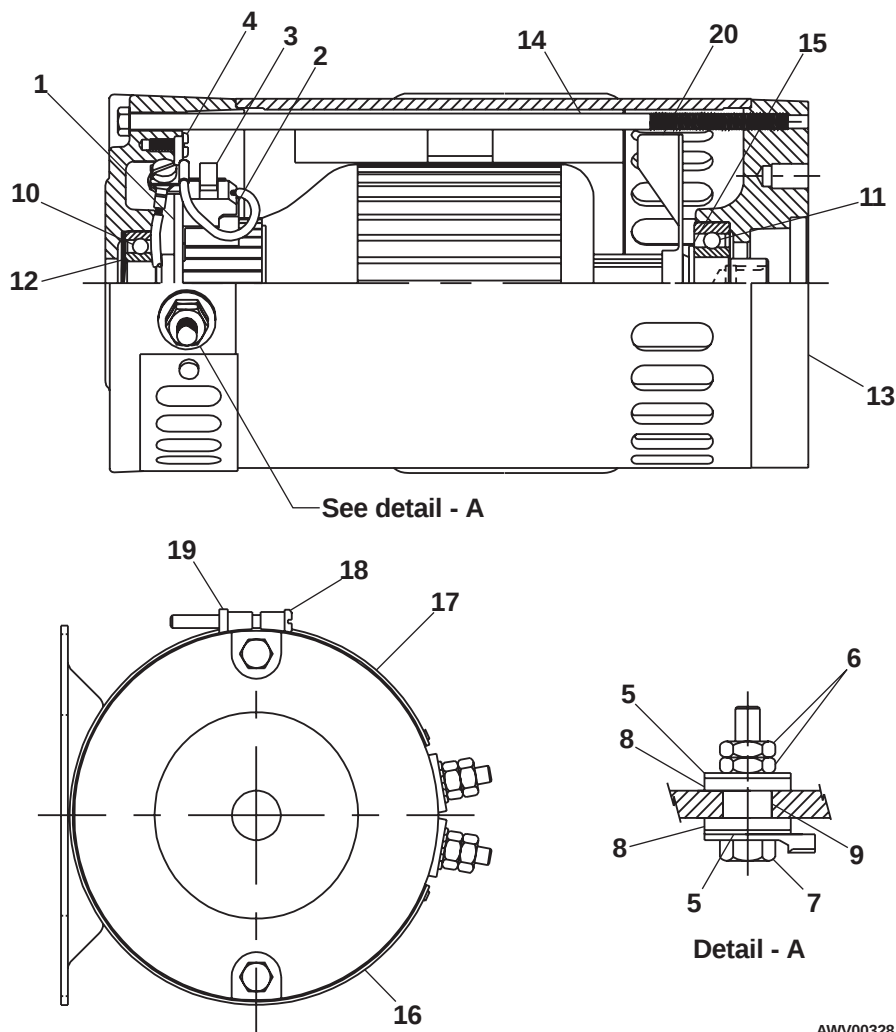
item	part no	qty	description
	0361219	1	Controller, upper control box, before 7/29/03 (for replacement see below)
1	8150221	1	Handle
2	8150222	2	Mounting screw
3	8150213	2	Nylon washer
4	8150223	1	Gasket
5	3040259	1	Boot
6	8150224	1	Pot plate
7	8150235	1	Casting
8	8150206	2	Mounting screw metric M3.5 x 12mm long
9	8150225	2	Spacer
10	8150236	1	Cam
11	8150226	2	Screw
12	8150237	1	Cam
13	8150202	4	Switch, micro
14	8150227	11	Tywrap
15	8150228	1	Connector
16	8150229	10	Pin
17	8150230	1	Micros assembly
18	8150231	1	Pot assembly
	8150001		Pot assembly, after 2003
19	8150232	1	Handle
20	8150233	1	Set screw
21	8150234	2	Screw
	0361449		Controller, upper control box, after 7/29/03
	0361460		Install kit to replace 0361219 with 0361449 controller
	0361449		Joystick
	8150248		Rocker grip handle
	3020180		Push button switch
	3020183		Steer microswitch
	3020176		Handle grip kit - front and back
	3020178		Trigger lever
	3020179		Rocker
	8150119		Rocker boot
	0361459		Placard, upper control box
	IP0361460		Installation procedure



AW0361219

DC electric motor, Ohio

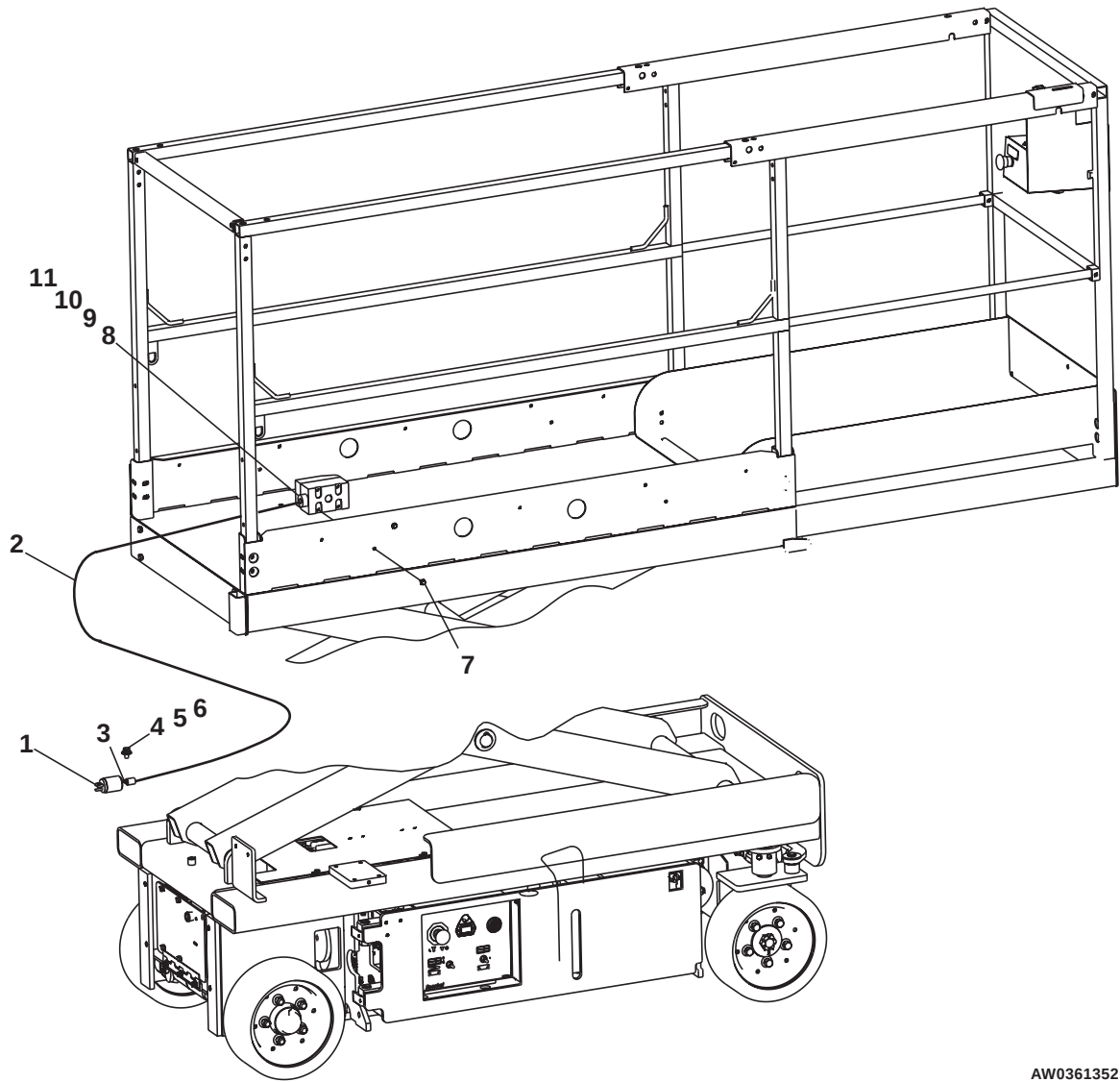
item	part no	qty	description
	3080046	1	Electric motor - 24 volt DC - Ohio
1	3080049	1	Brush/ring, complete
2	3080050	4	Brush
3	3080051	4	Brush spring
4	5560585	2	Machine screw #10-24 x 1/2 inch long pan head
5	5560586	4	Washer 3/8 star tooth lock
6	5560587	4	Nut 3/8-16 heavy hex jam
7	970509	2	Capscrew 3/8-16 x 2 inch long hex head grade 5
8	3080052	4	Insulator washer
9	3080053	2	Insulator
10	3080054	1	Bearing
11	3080055	1	Bearing
12	3080056	1	Bearing spring washer
13	3080057	1	Pulley end cover
14	5560588	2	Thru bolt
15	3080058	1	Retaining ring
16	3080059	1	Brush inspection cover
17	3080060	1	Brush inspection cover
18	5560589	1	Machine screw #10-32 x 3/4 inch long pan head
19	5560590	1	Nut #10-24 square
20	3080061	1	Fan



AWV00328

GFCI electrical outlet

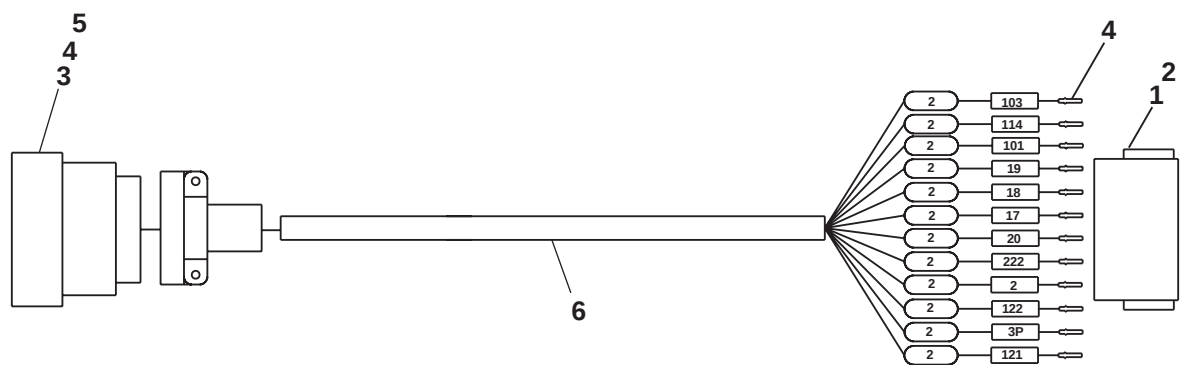
item	part no	qty	description
1	238396	1	Plug male 125 volt AC
2	3011403	1	Cable 14 gauge/3 conductor x 28 feet long
3	5093001	1	Clamp
4	970449	1	Capscrew 3/8-16 x 3/4 inch long hex head grade 5
5	986299	1	Washer 3/8 medium flat
6	987119	1	Washer 3/8 medium lock
7	978629	2	Capscrew 1/4-20 x 1/2 inch long hex head self tapping
8	3040115	1	Connector
9	3040297	1	Electrical outlet box
10	3040624	1	Electrical outlet, GFCI - 20 amp capacity
11	3040625	1	Cover, GFCI electrical outlet



AW0361352

Platform control cable - before 6/9/2003

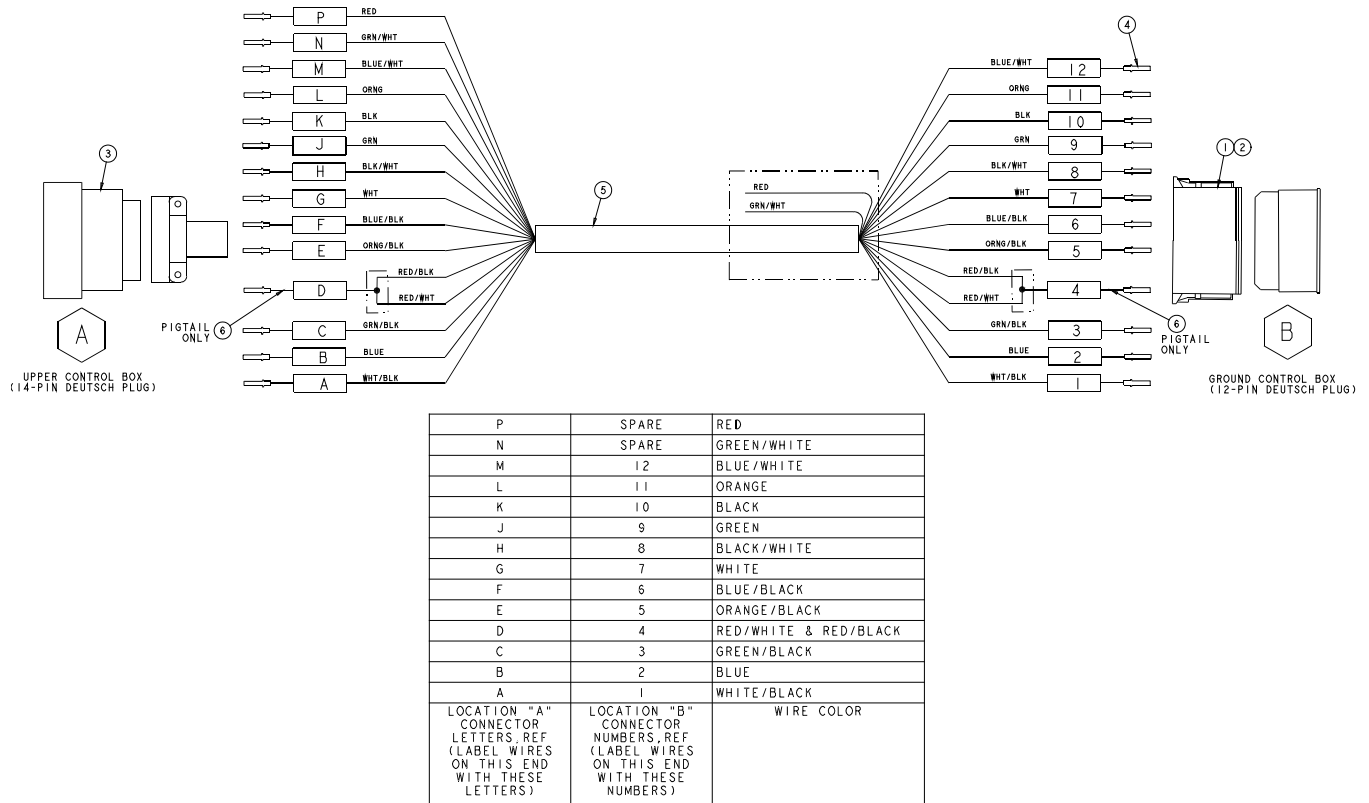
item	part no	qty	description
	0361206	1	Platform control cable
1	3049814	1	Lock wedge 12 pin plug
2	3049813	1	Connector 12 pin
3	3049861	1	Connector, 14 pin plug
4	3040342	24	Socket contact
5	3040097	2	Sealing plug
6		1	Cable - (not sold separately)



AW0361206

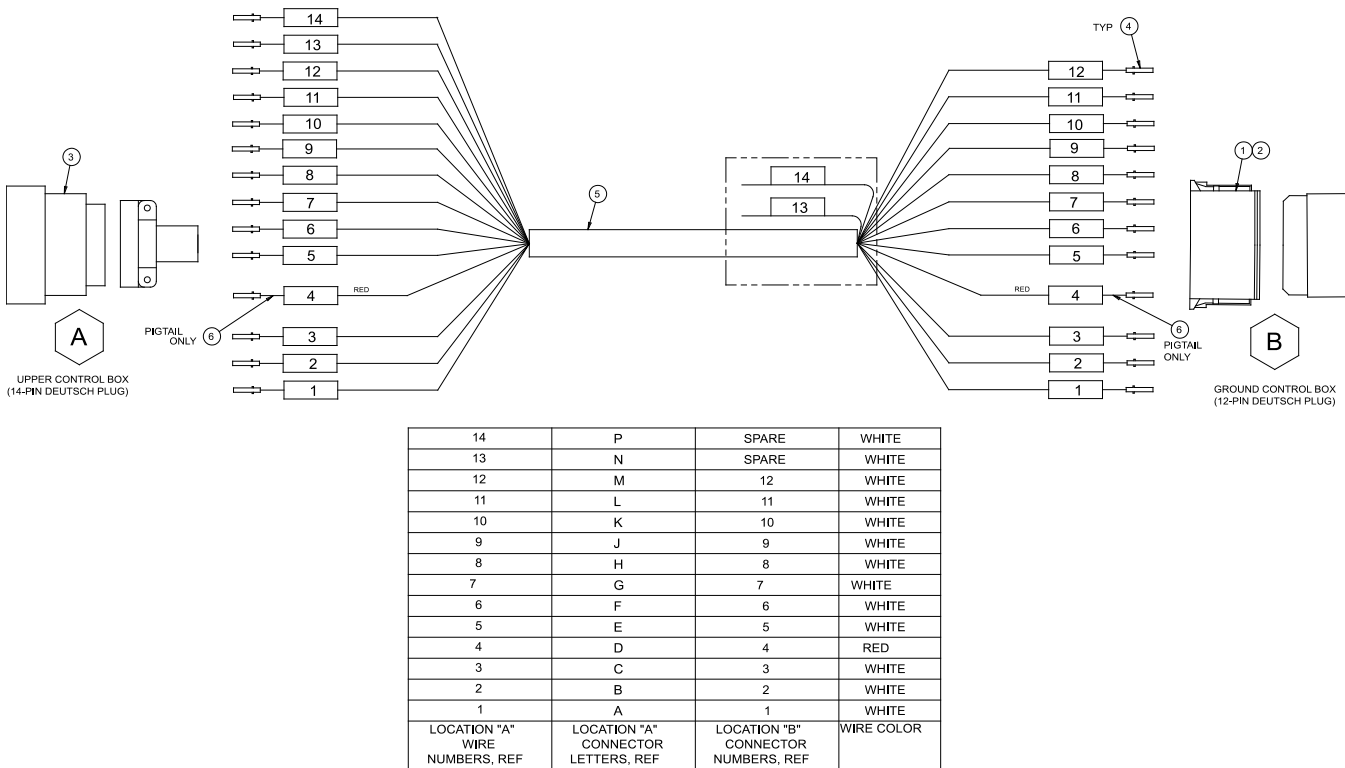
Platform control cable - 6/9/2003 to 8/21/2008

Item	Part No.	Qty.	Description
	300228	1	Platform control cable
1	3049814	1	Lock wedge 12 pin plug
2	3049813	1	Connector 12 pin
3	3049861	1	Connector, 14 pin plug
4	3040342	26	Socket contact
5	300647	37 ft	Cable, 18 ga/15 cond
6	3011601	AR	Wire, 16 ga single conductor



Platform control cable - 8/21/2008 to 5/13/2014

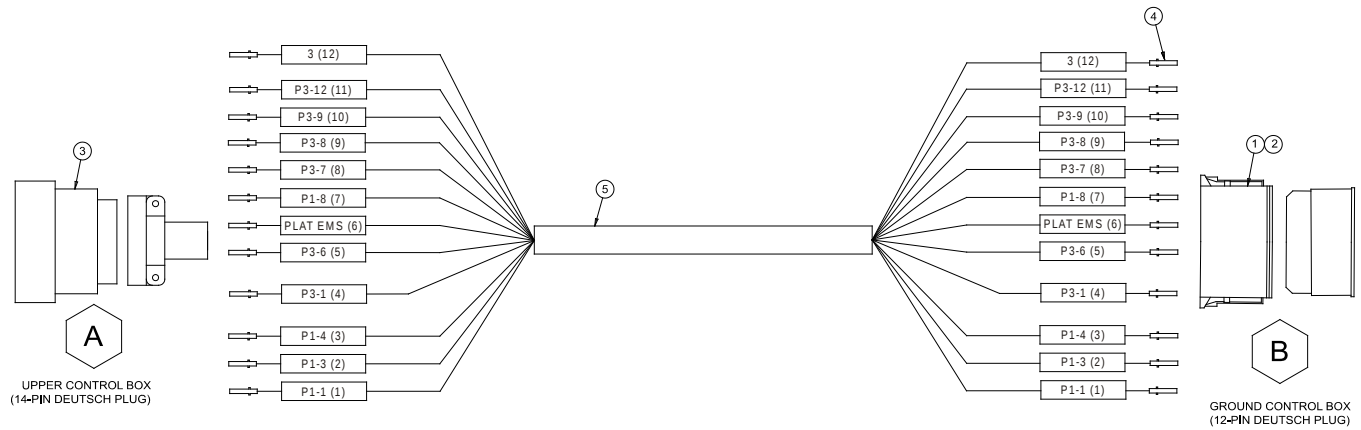
Item	Part No.	Qty.	Description
	300228	1	Platform control cable - after 5/13/2014 use Stack harness 1360405 (see page 3-16.3)
1	3049814	1	Lock wedge 12 pin plug
2	3049813	1	Connector 12 pin
3	3049861	1	Connector, 14 pin plug
4	3040342	26	Socket contact
5	300647	37 ft	Cable, 18 ga/14 cond
6	3011601	AR	Wire, 16 ga single conductor



300228 G

Stack harness - after 5/13/2014

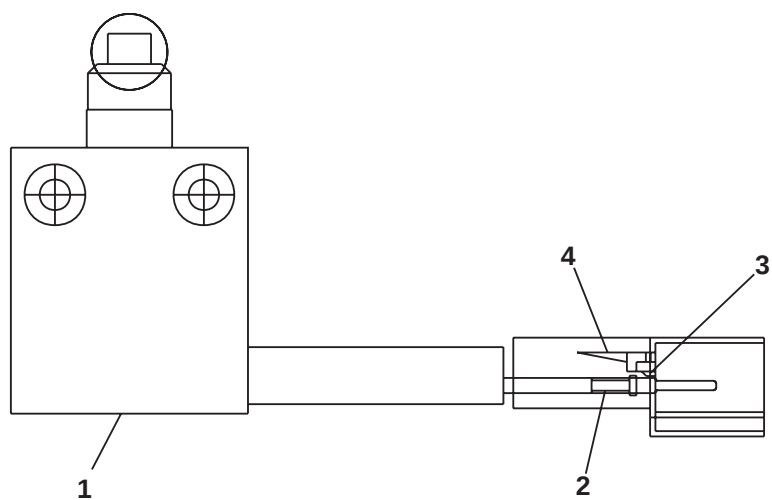
Item	Part No.	Qty.	Description
	1360405	1	Stack harness - replaces Platform control cable 300228 after 5/13/2014
1	3049814	1	Lock wedge 12 pin plug
2	3049813	1	Connector 12 pin
3	3049861	1	Connector, 14 pin plug
4	3040342	24	Socket contact
5	300647	37 ft	Cable, 18 ga/14 cond



SPARE (14)	P	SPARE	WHITE
SPARE (13)	N	SPARE	WHITE
3 (12)	M	12	WHITE
P3-12 (11)	L	11	WHITE
P3-9 (10)	K	10	WHITE
P3-8 (9)	J	9	WHITE
P3-7 (8)	H	8	WHITE
P1-8 (7)	G	7	WHITE
PLAT EMS (6)	F	6	WHITE
P3-6 (5)	E	5	WHITE
P3-1 (4)	D	4	WHITE
P1-4 (3)	C	3	WHITE
P1-3 (2)	B	2	WHITE
P1-1 (1)	A	1	WHITE
WIRE NUMBERS (300228 NUMBERS)	LOCATION "A" CONNECTOR LETTERS, REF	LOCATION "B" CONNECTOR NUMBERS, REF	WIRE COLOR

Switch, roller plunger

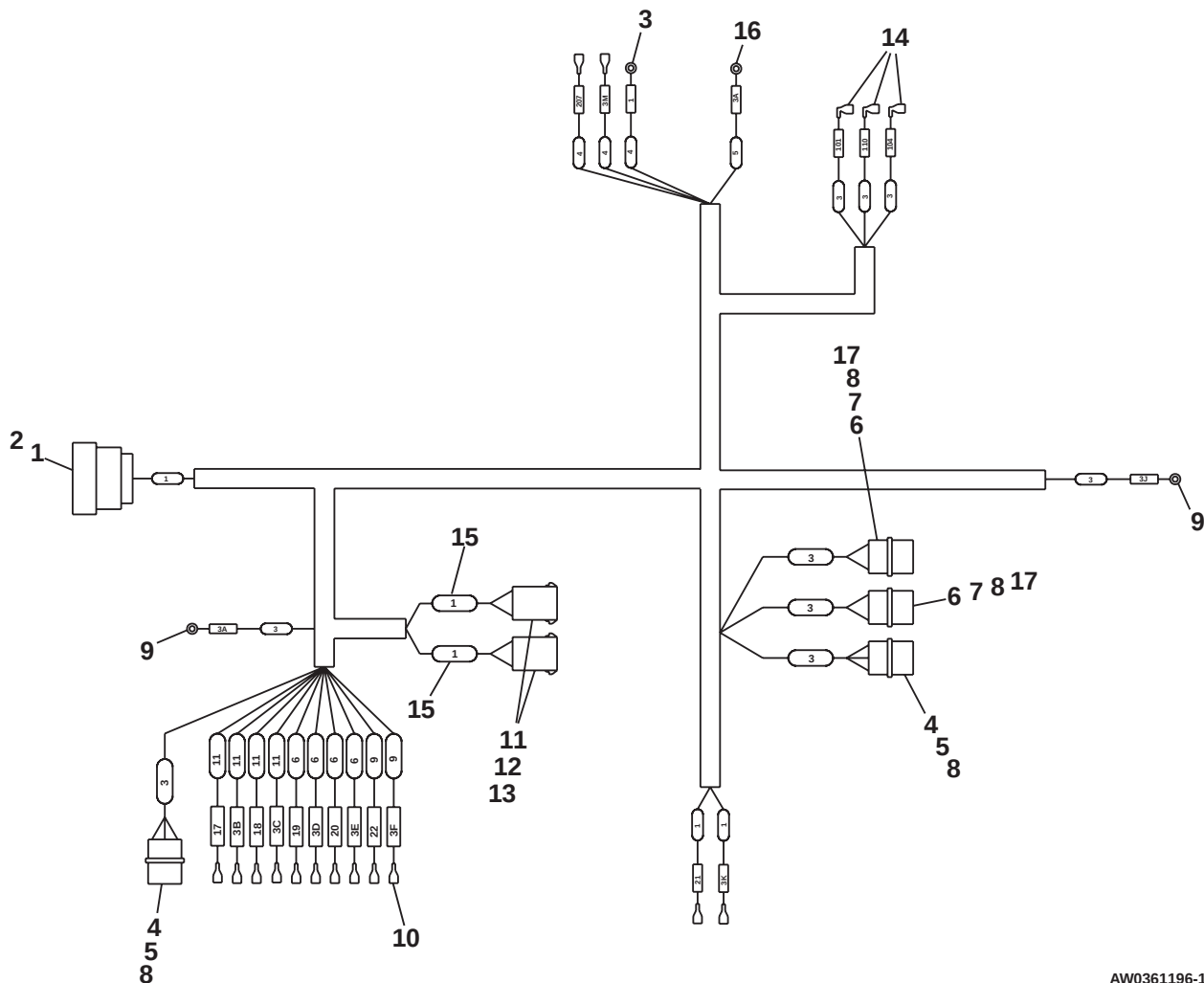
item	part no	qty	description
1	3028795	1	Switch, roller plunger
2	3028796	1	Switch, limit with roller plunger
2	3040341	4	Pin, contact
3	3049889	1	Connector 4 pin
4	3049891	1	Lock wedge 4 pin plug



AW3020200

Wire harness, main

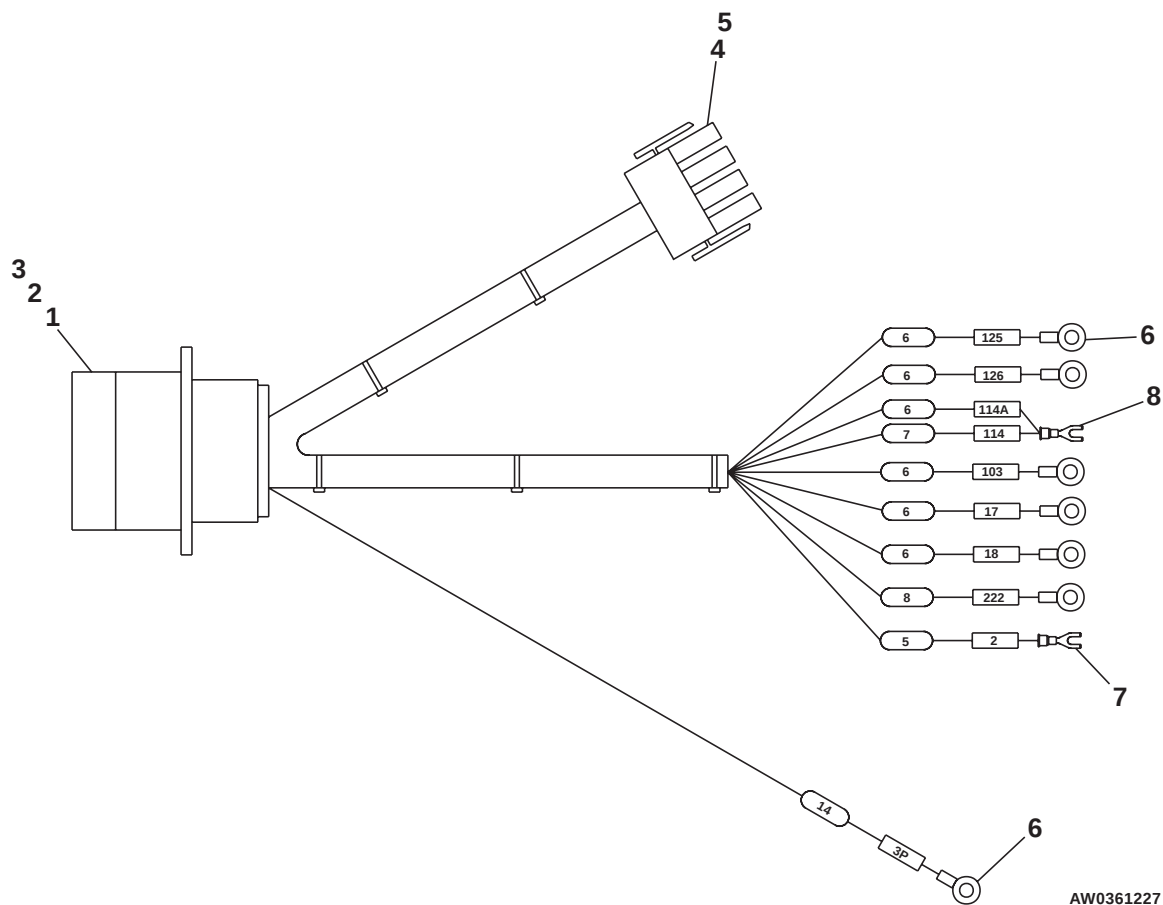
item	part no	qty	description
	0361196	1	Wire harness, main
1	3049973	1	Connector, 24 pin plug
2	3049976	17	Socket contact
3	3044163	1	Terminal ring tongue insulated 16/14 wire
4	3049822	2	Contact plug wedge, 3 contact
5	3049820	2	Contact plug, 3 contact
6	3049890	2	Lock wedge 4 pin plug
7	3040097	4	Sealing plug
8	3040342	10	Socket contact
9	3044855	2	Terminal ring tongue insulated 12/10 wire
10	3040083	16	Terminal .250 tab female slip-on fully insulated 16/14 wire
11	3049985	4	Pin contact
12	3049988	2	Receptacle, 2 pin
13	3049989	2	Wire seal, 2 pin
14	3040549	3	Terminal .250 tab 90° female slip-on fully insulated 16/14 wire
15	0361240	2	Diode suppression
16	3044856	1	Terminal ring tongue insulated 12/10 wire
17	3049888	2	Connector 4 pin



AW0361196-1

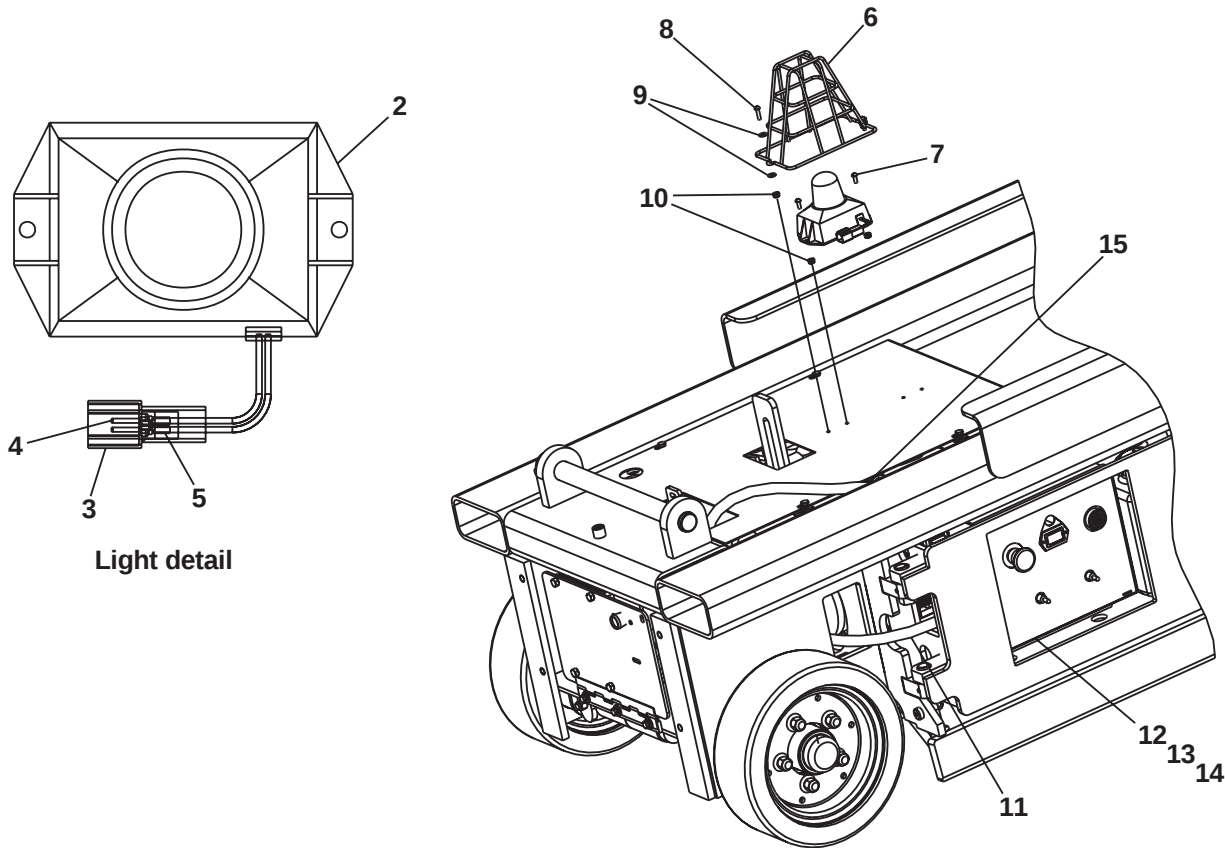
Wire harness, upper control box internal

item	part no	qty	description
1	0361227	1	Wire harness, Upper control box internal
	3049862	1	Connector, 14 pin
	3040095	1	Replacement pin
2	3040341	12	Pin, contact
3	3040097	2	Sealing plug
4	3049993	1	Connector, 12 pin plug
5	3049985	8	Pin contact
6	3044142	7	Terminal #6 ring tongue insulated 22/18 wire
7	3049994	2	Terminal, #6 spade 22-16 wire
8	960359	1	Terminal, #6 spade 18-14 wire



Flashing light

item	part no	qty	description
1	0361297	1	Flashing light, complete - (includes items 2, 3, 4 and 5)
2	564136	1	Flashing light, yellow
3	3049804	1	Connector 2 pin
4	3040341	2	Pin, contact
5	3049808	1	Lock wedge 2 pin plug
6	487686	1	Guard, flashing light
7	974659	2	Machine screw #10-24 x 1/2 inch long round head
8	974689	2	Machine screw #10-24 x 3/4 inch long round head
9	986009	4	Washer #10 medium flat
10	5560034	4	Nut #10-24 self locking
11	0361295	1	Wire harness, flashing light
12	0361296	1	Wire harness, flashing light adapter - (inside lower control box)
13	3049803	1	Connector 2 pin - (inside lower control box)
14	3049807	1	Lock wedge 2 pin plug - (inside lower control box)
15	5093019	1	Clamp



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LIMITED WARRANTY

Snorkel warrants each new machine manufactured and sold by it to be free from defects in material and workmanship for a period of one (1) year from date of delivery to a Customer or for one year after the machine has been placed in first service in a Dealer rental fleet, whichever comes first. Any part or parts which, upon examination by the Snorkel Service Department, are found to be defective, will be replaced or repaired, at the sole discretion of Snorkel, through its local Authorized Dealer at no charge.

Snorkel further warrants the structural components; specifically, the mainframe chassis, turntable, booms and scissor arms, of each new machine manufactured by it to be free from defects in material and workmanship for an additional period of four (4) years. Any such part or parts which, upon examination by the Snorkel Service Department, are found to be defective will be replaced or repaired by Snorkel through its local Authorized Dealer at no charge; however, any labor charges incurred as a result of such replacement or repair will be the responsibility of the Customer or Dealer.

The Snorkel Service Department must be notified within forty-eight (48) hours of any possible warranty situation during the applicable warranty period. Personnel performing warranty repair or replacement must obtain specific approval by Snorkel Service Department prior to performing any warranty repair or replacement.

Customer and Dealer shall not be entitled to the benefits of this warranty and Snorkel shall have no obligations hereunder unless the "Pre-Delivery and Inspection Report" has been properly completed and returned to the Snorkel Service Department within ten (10) days after delivery of the Snorkel product to Customer or Dealer's rental fleet. Snorkel must be notified, in writing, within ten (10) days, of any machine sold to a Customer from a Dealer's rental fleet during the warranty period.

At the direction of the Snorkel Service Department, any component part(s) of Snorkel products to be replaced or repaired under this warranty program must be returned freight prepaid to the Snorkel Service Department for inspection. All warranty replacement parts will be shipped freight prepaid (standard ground) from the Snorkel Service Department or from Snorkel's Vendor to Dealer or Customer.

REPLACEMENT PARTS WARRANTY

Any replacement or service part made or sold by Snorkel is not subject to the preceding **Limited Warranty** beyond the normal warranty period of the machine upon which the part was installed.

THIS WARRANTY EXCLUDES AND SNORKEL DOES NOT WARRANT:

1. Engines, motors, tires and batteries which are manufactured by suppliers to Snorkel, who furnish their own warranty. Snorkel will, however, to the extent permitted, pass through any such warranty protection to the Customer or Dealer.
2. Any Snorkel product which has been modified or altered outside Snorkel's factory without Snorkel's written approval, if such modification or alteration, in the sole judgment of Snorkel's Engineering and/or Service Departments, adversely affects the stability, reliability or service life of the Snorkel product or any component thereof.
3. Any Snorkel product which has been subject to misuse, improper maintenance or accident. "Misuse" includes but is not limited to operation beyond the factory-rated load capacity and speeds. "Improper maintenance" includes but is not limited to failure to follow the recommendations contained in the Snorkel Operation, Maintenance, Repair Parts Manuals. Snorkel is not responsible for normal maintenance, service adjustments and replacements, including but not limited to hydraulic fluid, filters and lubrication.
4. Normal wear of any Snorkel component part(s). Normal wear of component parts may vary with the type application or type of environment in which the machine may be used; such as, but not limited to sandblasting applications.
5. Any Snorkel product that has come in direct contact with any chemical or abrasive material.
6. Incidental or consequential expenses, losses, or damages related to any part or equipment failure, including but not limited to freight cost to transport the machine to a repair facility, downtime of the machine, lost time for workers, lost orders, lost rental revenue, lost profits or increased cost.

This warranty is expressly in lieu of all other warranties, representations or liabilities of Snorkel, either expressed or implied, unless otherwise amended in writing by Snorkel's President, Vice President-Engineering, Vice President-Sales or Vice President-Marketing.

SNORKEL MAKES NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THIS LIMITED WARRANTY. SNORKEL MAKES NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND DISCLAIMS ALL LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO INJURY TO PERSONS OR PROPERTY.

The Customer shall make all warranty claims through its local Authorized Dealer and should contact the Dealer from whom the Snorkel product was purchased for warranty service. Or, if unable to contact the Dealer, contact the Snorkel Service Department for further assistance.

Effective July 1995

