
American-Lincoln®

SR5730 Disc Scrubber Cylindrical Scrubber

Operators Manual & Parts Lists



Beginning with Serial Number 180337

READ THIS BOOK

This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. you must have training in the operation of this machine before using it. If you or your operator(s) cannot read English, have this manual explained fully before attempting to operate this machine.

All directions given in this book are as seen from the operator's position at the rear of the machine.

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DISCLAIMER

DISCLAIMER

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In the event that machinery or controls described herein are modified in any way, or in the event that such machinery or controls are not maintained in a proper manner, the instructional material contained herein may be rendered inaccurate. The information contained herein is to be used only by persons knowledgeable in the operation of machinery such as that described herein, or other persons being directly supervised by such knowledgeable persons.

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DECIMAL-METRIC CONVERSION TABLE

FRACTION	DECIMAL	MILLIMETER	FRACTION	DECIMAL	MILLIMETER
$\frac{1}{64}$	0.015625	0.3969	$\frac{33}{64}$	0.515625	13.0969
$\frac{1}{32}$	0.03125	0.7938	$\frac{17}{32}$	0.53125	13.4938
$\frac{3}{64}$	0.046875	1.1906	$\frac{35}{64}$	0.546875	13.8906
$\frac{1}{16}$	0.0625	1.5875	$\frac{9}{16}$	0.5625	14.2875
$\frac{5}{64}$	0.078125	1.9844	$\frac{37}{64}$	0.578125	14.6844
$\frac{3}{32}$	0.09375	2.3813	$\frac{19}{32}$	0.59375	15.0813
$\frac{7}{64}$	0.109375	2.7781	$\frac{39}{64}$	0.609375	15.4781
$\frac{1}{8}$	0.125	3.1750	$\frac{5}{8}$	0.625	15.8750
$\frac{9}{64}$	0.140625	3.5719	$\frac{41}{64}$	0.640625	16.2719
$\frac{5}{32}$	0.15625	3.9688	$\frac{21}{32}$	0.65625	16.6688
$\frac{11}{64}$	0.171875	4.3656	$\frac{43}{64}$	0.671875	17.0656
$\frac{3}{16}$	0.1875	4.7625	$\frac{11}{16}$	0.6875	17.4625
$\frac{13}{64}$	0.203125	5.1594	$\frac{45}{64}$	0.703125	17.8594
$\frac{7}{32}$	0.21875	5.5563	$\frac{23}{32}$	0.71875	18.2563
$\frac{15}{64}$	0.234375	5.9531	$\frac{47}{64}$	0.734375	18.6531
$\frac{1}{4}$	0.25	6.3500	$\frac{3}{4}$	0.75	19.0500
$\frac{17}{64}$	0.265625	6.7469	$\frac{49}{64}$	0.765625	19.4469
$\frac{9}{32}$	0.28125	7.1438	$\frac{25}{32}$	0.78125	19.8438
$\frac{19}{64}$	0.296875	7.5406	$\frac{51}{64}$	0.796875	20.2406
$\frac{5}{16}$	0.3125	7.9375	$\frac{13}{16}$	0.8125	20.6375
$\frac{21}{64}$	0.328125	8.3344	$\frac{53}{64}$	0.828125	21.0344
$\frac{11}{32}$	0.34375	8.7313	$\frac{27}{32}$	0.84375	21.4313
$\frac{23}{64}$	0.359375	9.1281	$\frac{55}{64}$	0.859375	21.8281
$\frac{3}{8}$	0.375	9.5250	$\frac{7}{8}$	0.875	22.2250
$\frac{25}{64}$	0.390625	9.9219	$\frac{57}{64}$	0.890625	22.6219
$\frac{13}{32}$	0.40625	10.3188	$\frac{29}{32}$	0.90625	23.0188
$\frac{27}{64}$	0.421875	10.7156	$\frac{59}{64}$	0.921875	23.4156
$\frac{7}{16}$	0.4375	11.1125	$\frac{15}{16}$	0.9375	23.8125
$\frac{29}{64}$	0.453125	11.5094	$\frac{61}{64}$	0.953125	24.2094
$\frac{15}{32}$	0.46875	11.9063	$\frac{31}{32}$	0.96875	24.6063
$\frac{31}{64}$	0.484375	12.3031	$\frac{63}{64}$	0.984375	25.0031
$\frac{1}{2}$.05	12.7000	1	1.00	25.4000

C2001/9905

HARDWARE ABBREVIATIONS

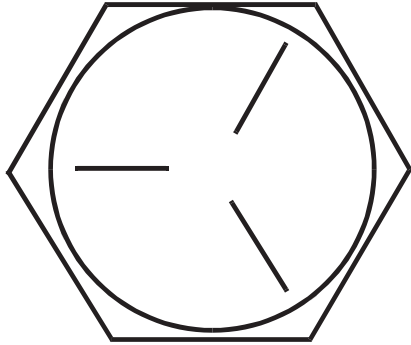
ABBREVIATIONS - SCREWS

ADJ	= Adjusting Screw
ADJ.SP	= Adjusting Plunger Screw
BHM	= Binding Head Machine Screw
BHS	= Button Head Socket Screw
CAPT.SL	= Captivated Slotted Screw
CAPT.WG	= Captivated Wing Screw
FHM	= Flat Head Machine Screw
FIL.HM	= Filister Head Machine Screw
HHC	= Hexagon Head Cap Screw
HHM	= Hexagon Head Machine Screw
HIHD	= 1/2 High Head Screw
HS HC	= Hexagonal Socket Head Cap Screw
HSFHC	= Hexagonal Socket Flat Head Cap Screw
KNH	= Knurled Head Screw
MHHC	= Metric Hexagon Head Cap Screw
PHM	= Pan Head Machine Screw
RHD	= Round Head Drive Screw
RHM	= Round Head Machine Screw
RHW	= Round Head Wood Screw
SHC	= Shiny Crown Cap Screw
SHTB	= Shoulder Thumb Screw
SQ	= Square Head Screw
TB	= Thumb Screw
THM	= Truss Head Machine Screw
WELD	= Weld Stud
WG	= Wing Screw

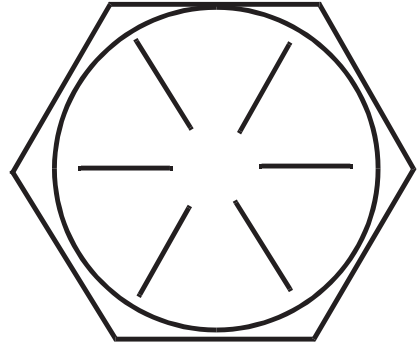
ABBREVIATIONS - SETSCREWS

HS	= Hexagonal Socket Setscrew
S	= Slotted Setscrew
SH	= Square Head Setscrew
-KCP	= Knurled Cup Point Setscrew
-CP	= Cup Point Setscrew
-OP	= Oval Point Setscrew
-FDP	= Full Dog Point Setscrew
-HDP	= Half Dog Point Setscrew
-FP	= Flat Point Setscrew
-COP	= Cone Point Setscrew

BOLT IDENTIFICATION



SAE - Grade 5



SAE - Grade 8

Screw Size	Grade 5 Plated		Grade 8 Plated		410H Stainless		Brass	Type F & T & BT		Type B, AB
	C	F	C	F	C	F		C	F	
*6	14	15	-	-	18	20	5	20	23	21
*8	27	28	-	-	33	35	9	37	41	34
*10	39	43	-	-	47	54	13	49	64	49
*1/4	86	108	130	151	114	132	32	120	156	120
5/16	15	17	22	24	19	22	6	-	-	-
3/8	28	31	40	44	34	39	10	-	-	-
7/16	44	49	63	70	55	62	16	-	-	-
1/2	68	76	95	108	85	95	-	-	-	-
9/16	98	110	138	155	-	-	-	-	-	-
5/8	135	153	191	216	-	-	-	-	-	-
3/4	239	267	338	378	-	-	-	-	-	-
7/8	387	-	545	-	-	-	-	-	-	-
1	579	-	818	-	-	-	-	-	-	-

C = Coarse Thread

F = Fine Thread

* = Torque values for #6 through 1/4 are lb./in. All others are lb./ft.

NOTE

Decrease the torque by 20% when using thread lubricant
The torque tolerance is \pm on torque values.

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HYDRAULIC TORQUE REQUIREMENTS

HYDRAULIC TORQUE REQUIREMENTS

Refer to the following chart for torque values on all hydraulic hoses and fittings.

Nominal SAE Dash Size	O-Ring Face Seal End		SAE O-Ring Boss End	
	Thread Size Inch	Swivel Nut Torque	Thread Size Inch	Str. Fitting or Locknut Torque
		LB-FT		LB-FT
-3	*	*	3/8-24	8-10
-4	9/16-18	10-12	7-16-20	14-16
-5	*	*	1/2-20	18-20
-6	11/16-16	18-20	9/16-18	24-25
-8	13/16-16	32-35	3/4-16	50-60
-10	1-14	46-50	7/8-14	72-80
-12	1 3/16-12	65-70	1 1/16-12	125-135
-14	1 3/16-12	65-70	1 3/16-12	160-180
-16	1 7/16-12	92-100	1 5/16-12	200-220
-20	1 11/16-12	125-140	1 5/8-12	210-280
-24	2-12	150-165	1 7/8-12	270-360

* O-Ring face seal type end not defined for this tube size.





































NOTE

Parts must be lightly oiled with hydraulic fluid.

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SYMBOLS

THESE SYMBOLS IDENTIFY CONTROLS, DISPLAYS/FEATURES, AND SAFETY SYMBOLS ON THE MACHINE.

	Battery Charger		Scrub Brush Down Heavy Pressure
	Choke		Squeegee Down & Vacuum On
	Fan On		Squeegee Up & Vacuum Off
	Filter Shaker On		Squeegee Up & Vacuum On
	Forward/Reverse		Solution Tank Low
	Headlights		Solution Flow Control
	Hopper Dump		Throttle
	Hopper Return		Read Machine Manual Before Operating or Servicing
	Horn		No gas or combustibles in tank
	Main Broom & Side Broom Up		Keep Away From Flames/ NO Smoking
	Main Broom & Side Broom Down		Wear Eye Protection
	No Step		Electrical Hazard
	Off		Stay Clear
	On		Moving Fan Blade
	Power		Pinch Point/Crush Hazard
	Recovery Tank High		Cover or Hopper Could Close/ Engage Support
	Scrub Brush Down & On		Turn Key Off/Lock Wheel Before Leaving Seat
	Scrub Brush Up and Off		WARNING! / ATTENTION!

ORDERING PARTS

Parts may be ordered from American-Lincoln authorized distributors. Record the information from the American-Lincoln serial number plate to avoid delays in filling your order.

MODEL NO.

SERIAL NO.

Manufactured By

ALTO®

AMERICAN LINCOLN TECHNOLOGY

BOWLING GREEN, OHIO

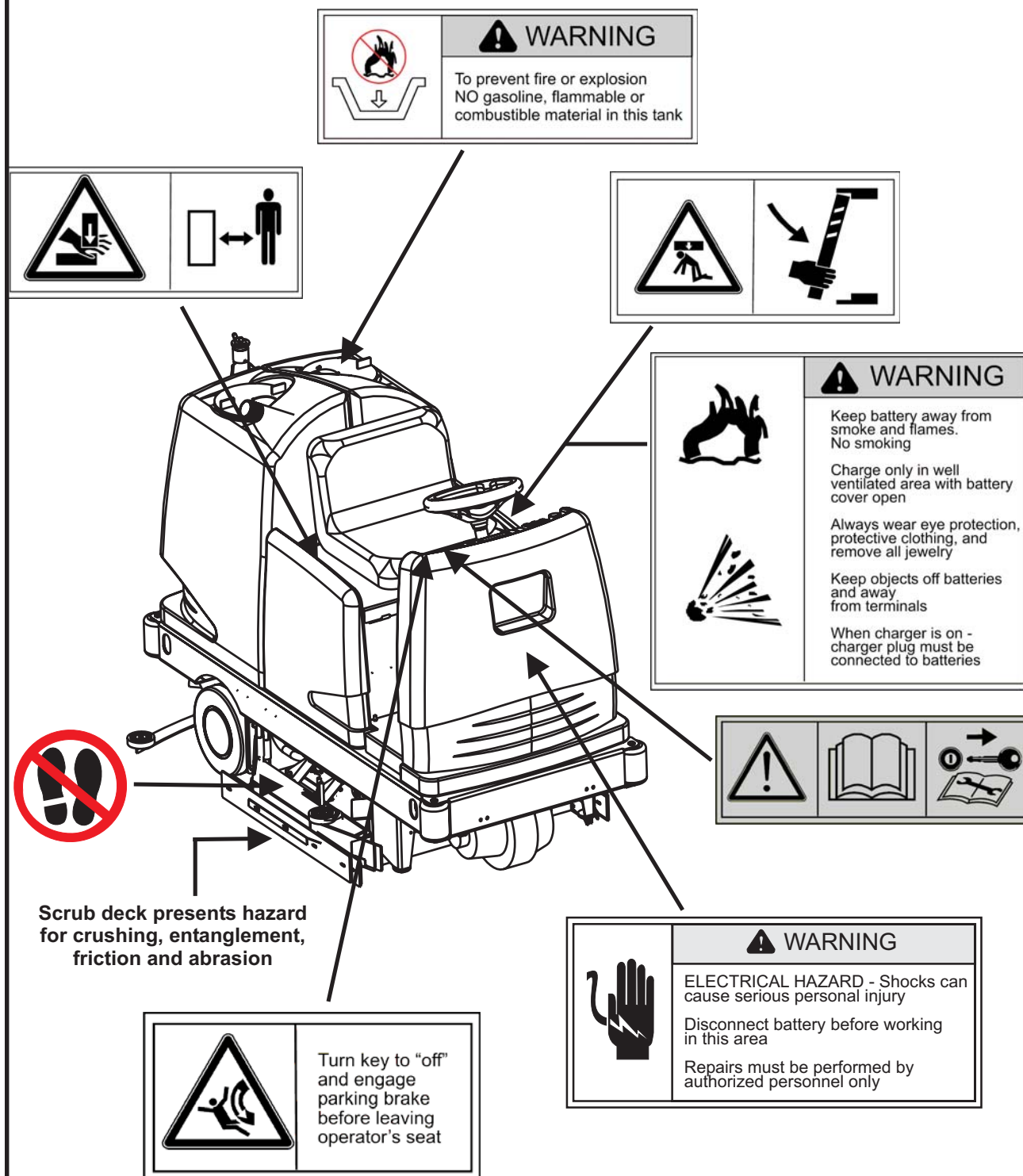
- 1. Use the model number, catalog number, and serial number when ordering.
- 2. Give the part number, description, and quantity of parts needed.
- 3. Give shipping instructions for either freight, UPS, or parcel post.

Parts and supplies listed in this manual can be ordered from the following address

American-Lincoln	American Lincoln Distributor
1100 Haskins Road Bowling Green, Ohio 4302 1-800-331-7692	

MACHINE CATALOG NUMBERS
505-945 SR5730 (34") DISC SCRUBBER
505-946 SR5730 (38") DISC SCRUBBER
505-959 SR5730 (34") CYLINDRICAL SCRUBBER

The following safety labels are mounted on the machine in the locations indicated. If the labels become damaged or illegible replace with identical label.



SAFETY PRECAUTIONS

HAZARD SERIOUSNESS LEVEL

Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. The degree of severity is based on the likely consequences of human interaction with the hazard.



DANGER

To warn of immediate hazards which will result in severe personal injury or death.



WARNING

To warn of hazard or unsafe practices which could result in severe personal injury.



CAUTION

To warn of hazards or unsafe practices which could result in minor personal injury.



ATTENTION

To warn of unsafe practices which could result in extensive equipment damage.



NOTE

To give important information or to warn of unsafe practices which could result in equipment damage.

For the safe operation of this machine, read and understand all WARNINGS, CAUTIONS AND NOTES.

PERSONAL SAFETY

- Read this manual carefully. The following information signals potentially dangerous conditions to the operator or equipment. Know when these conditions can exist then take necessary steps to train machine operating personnel.
- Dress appropriately; loose clothing, jewelry and other accessories may get caught in the machine and cause physical injury.
- Wear OSHA/NIOSH protective eye wear or prescription glasses to protect eyes.
- Wear appropriate gloves when filling and/or draining tanks.
- Before operating machine, test brake mechanism, lights and back up alarm (if applicable).
- Observe maintenance schedule guidelines to assume optimal safe operation of the machine.
- Be aware of pinch points that exist on the machine.
- Do not operate machine if you are tired, upset, ill on medication or intoxicated.
- Be completely aware of your surroundings. STOP, LOOK, and LISTEN for other employees walking in or around your cleaning area.

MACHINE SAFETY

- Operator must be properly trained to operate machine.
- Read this manual before operating machine
- Familiarize yourself with all components and safety features.
- Do not operate machine unless it is completely assembled.
- Do not use machine other than intended use.
- Report damages or maintenance problem immediately. Do not use machine until it has been repaired.
- Repairs should be done by authorized personnel.
- For storage, keep machine in a building.
- This machine is not at tow truck and should not be used for towing.
- Do not use this machine as a step or furniture.
- Do not operate machine on public highways, gravel, sand, grass and other unsafe surfaces.

- Be careful when operating the machine on a ramp or incline. Do not operate machine on incline greater than 8° or longer than 100'. Always move slowly on a ramp. Do not turn this machine on a ramp.
- Do not stop and leave this machine on a ramp. Always stop the machine on a level surface, put the power switch in the on position.
- To prevent injury, and damage to the machine, do not lift the machine or move it to an edge of a stair or loading dock.
- Turn off machine when unattended, filling, fueling or doing maintenance on machine (if applicable).
- Do not operate machine near flammable materials, fire or explosion may occur.
- Solution or recovery tank should not be filled with fuel or chemicals.
- Read label on cleaning solutions to verify it is safe for machine.
- Use a cleaning concentrate recommended by the chemical manufacturer.
- Water solutions or cleaning materials used can leave wet areas on floor surfaces causing dangerous conditions for the operator or other persons. Always put CAUTION signs near area you are cleaning.
- Use care when reversing machine.
- Always empty the solution tank and recovery tank before doing maintenance.
- Unplug the battery first to prevent possible injury when servicing a machine.
- Lead acid batteries generate gases, which can cause an explosion. Keep sparks and flames away from batteries. NO SMOKING. Charge batteries only in area with good ventilation.
- Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal objects across the battery terminals, or the tops of batteries.
- Keep electrical parts of the machine dry.
- Make sure that all labels, decals, warnings, cautions and instructions are fastened to the machine. Get new labels and decals from American-Lincoln.

SPECIFICATIONS

POWER SUPPLY

SR5730 (34")	36 volt (6-6 volt batteries) 340 AH or 370 AH
SR5730 (38")	36 volt (6-6 volt batteries) 340 AH or 370 AH

For machine to operate properly, voltage reading should fall within 32-40 vdc.

CHARGER

SR5730 (34" & 38")	36 vdc output, 115V/60Hz or 230V/50Hz Input
--------------------	---

MOTORS, VACUUM

1 HP (.74 kw), 3 stage, tangential discharge

MOTORS, BRUSH

1.7 hp (1.3kw)

MOTOR, DRIVE

1.5 hp (1.1kw)

WHEELS

(1) Front 12.0" (31.8 cm) (2) rear 12.0" (31.8 cm)

BRUSH SIZE

SR5730 DISC (34")	2-17" (43.2 cm) DIA.
SR5730 DISC (38")	2-19" (48.3 cm) DIA.
SR5730 CYLINDRICAL (34")	2-6" DIA. x 34" LONG

CLEANING PATH

SR5730 (34")	34" (86.4 cm)
SR5730 (38")	38" (96.5 cm)

BRUSH SPEED

300 RPM

SOLUTION TANK

45 gallon (171 liter)

RECOVERY TANK

45 gallon (171 liter)

SPEED, TRANSPORT

5 MPH

SPEED, SCRUBBING

2.5 MPH

TURN RADIUS

56" (142.2 cm)

U-TURN AISLE WIDTH

80" (203.2 cm)

CLEANING RATE

SR5730 (34")	37,000 sq. ft/hr (3426 sq. m/hr)
SR5730 (38")	42,000 sq. ft/hr (3901 sq. m/hr)

GRADE CLEANING

3°

GRADE TRANSPORT

8°

LENGTH

71.5" (181.6 cm)

WIDTH

SR5730 (34")	Machine	33.5" (85 cm)
	Brush Housings	38.0" (96.5 cm)
	Squeegee	42.0" (106.7cm)
SR5730 (38")	Machine	33.5" (85 cm)
	Brush Housings	41.0" (104.1 cm)
	Squeegee	42.0" (106.7 cm)

HEIGHT

51" (129.5 cm)

HEIGHT W/OHG

80" (203.2 cm)

WEIGHT

SR5730 (34")	1800 lb. (817.2 kg)
SR5730 (38")	1820 lb. (826.3 kg)

WARRANTY

Machine	2 year/2,000 hours
Polydur® tanks	Life of machine
Electric/Drive Line Components	3 years/3,000 hours
Batteries	18 months, prorated

SPECIFICATIONS

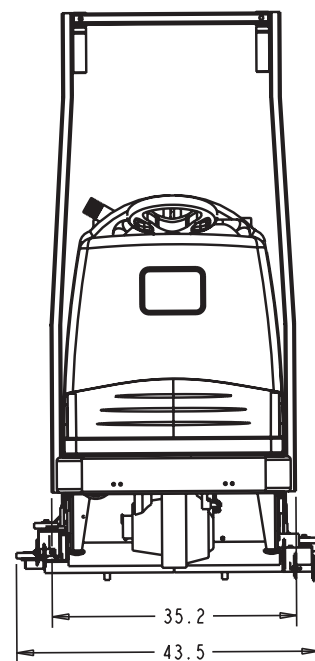
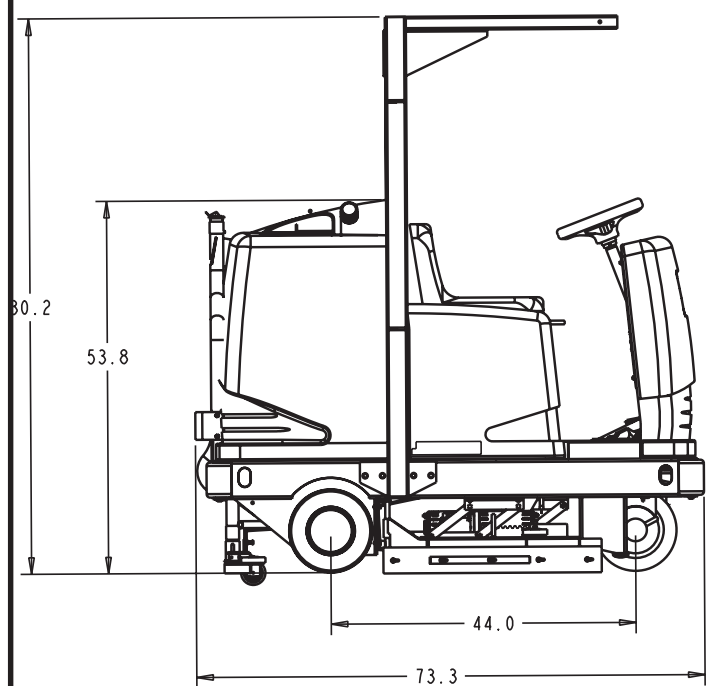




Fig. 1

Your SR5730 battery machine has been shipped complete, but do not attempt to operate without reading the following instructions:

UNPACKING AND ASSEMBLING MACHINE

The SR5730 is shipped on a pallet covered by a plastic bag and fastened with four hold down brackets.

1. Remove plastic bag.
2. Unbolt lag screws located on each corner of machine.
- 3) Lift out bracket located on each corner of machine from slot in machine frame.
- 4) Remove rear squeegee and hose from under rear squeegee location.
- 6) Position a 11° and 36" ramp on base of pallet.

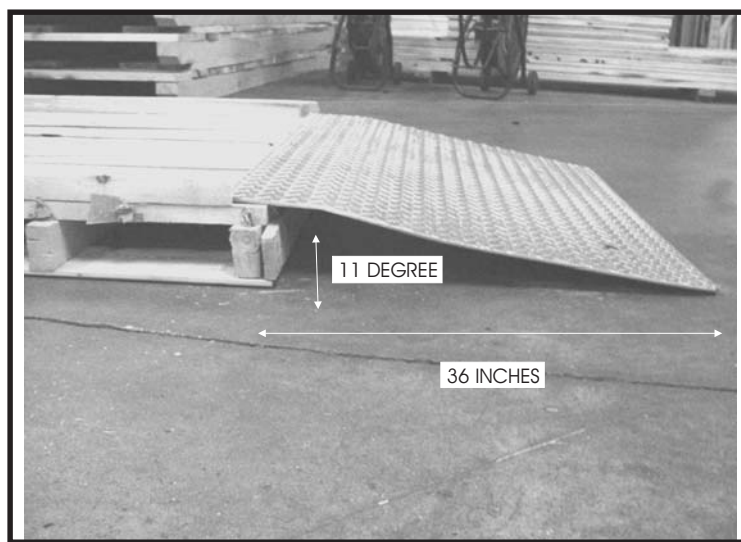


Fig. 2



Fig. 3

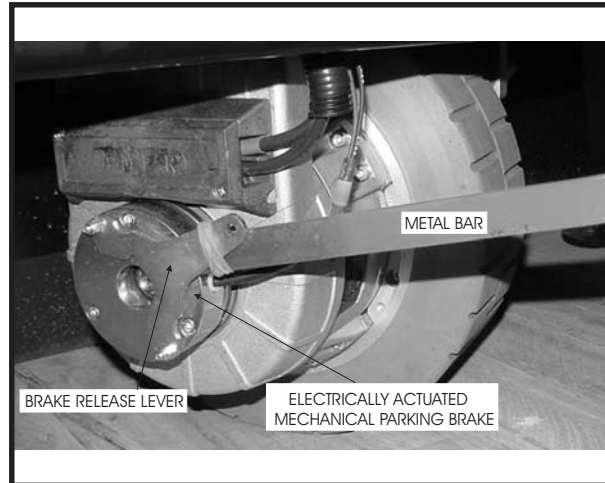


Fig. 4



WARNING

Disconnect the traction harness before towing the machine.

- 6) The machine is shipped with a metal bar between the electrically actuated parking brake and the brake release lever to keep the electrically actuated parking brake disengaged.
- 7) Push machine down the ramp onto a flat surface.



WARNING

- 8) **Remove the metal bar to engage the electrically actuated mechanical parking brake.**
- 9) Connect rear squeegee hose and install squeegee blade as shown in manual.
- 10) Remove battery charger from under the seat in battery compartment (if applicable).
- 11) Install batteries.
 - Turn the key to the "O" position
 - Lift the hinged seat and cover, then disconnect seat switch and remove seat plate.
 - Use a battery lifting device with a 150 LB. (68KG) capacity to place the batteries battery compartment.
 - Install Battery wires as shown in manual.
 - Plug the polarized connector from the battery on into the 36 Volt plug provided.
 - Install scrub brushes as shown in the manual.
 - Lower seat and cover assembly.
- 12) Charge batteries as shown in the manual. Read battery manufacturer literature for battery care and maintenance.



WARNING

Do not charge batteries on a concrete grounded surface. Hydrogen gas is formed during the charging operation and is explosive. Only charge batteries in a well ventilated area with the lid open. Avoid any smoking, open flame, or electrical sparks.



Fig. 5



Fig. 6

UNPACKING BATTERY

The batteries are shipped separately in six boxes as shown in figure 5. Open the boxes on a clean work surface and lift out the battery as shown in figure 6.

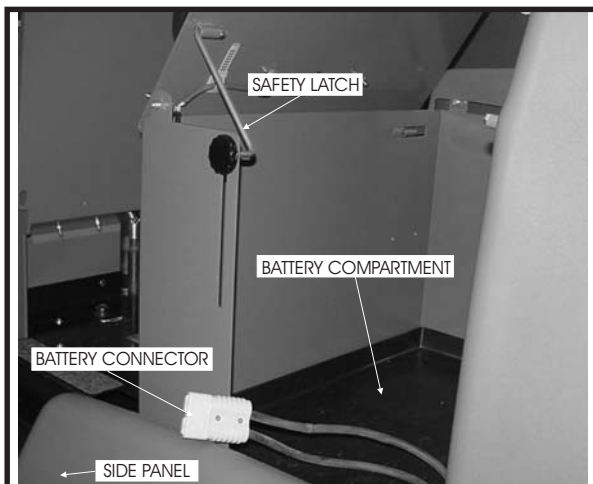


Fig. 7

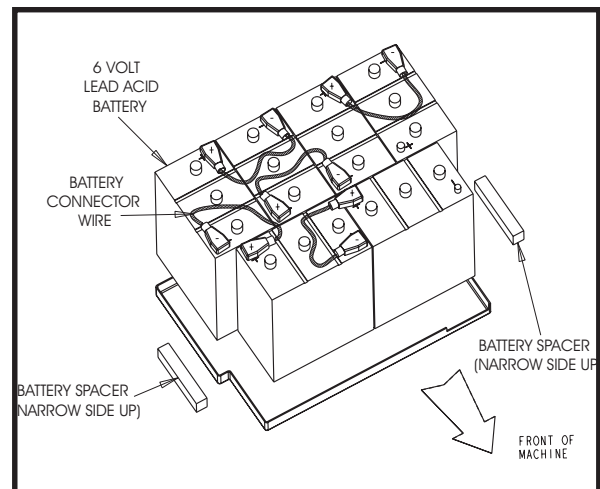


Fig. 8

BATTERY INSTALLATION

To install batteries lift the seat cover and secure safety latch in notch. Pull up on the side panel and remove to gain access to the battery compartment. Lower batteries using a 1000 lb. (454 KG) lifting mechanism to lift and install batteries into battery compartment placing battery spacers to stop from moving. Connect battery connector wires in series to batteries as shown in figure 8.



WARNING

Do not leave charged batteries on concrete surface, they will discharge.

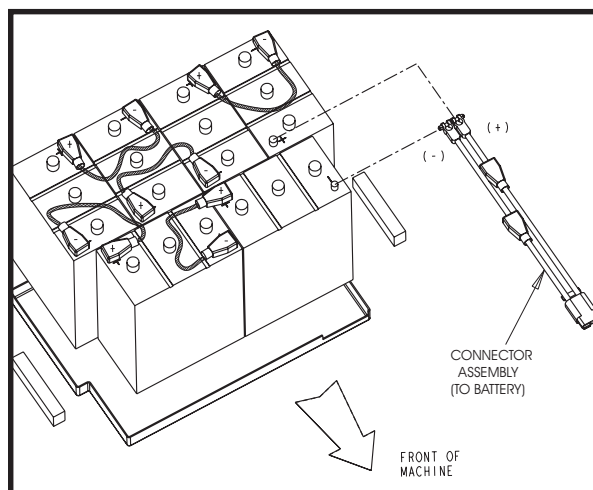


Fig. 9

Connect the battery connector assembly to battery as shown in figure 9.

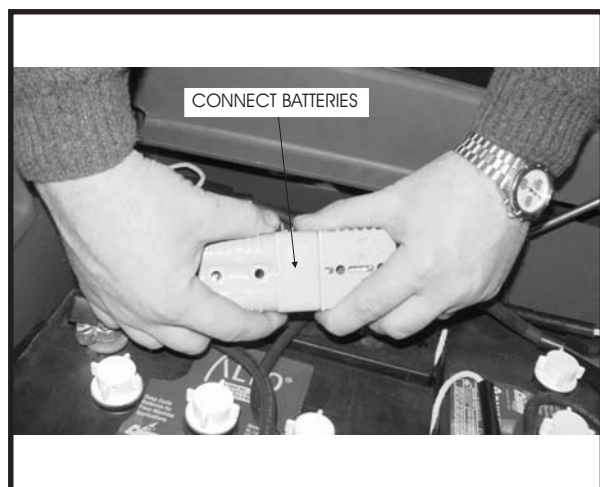


Fig. 10



Fig. 11

Plug the battery connector assembly from the battery to the machine connector assembly as shown in figure 10. Reinstall the side panel and then release the safety latch and lower the seat as shown in figure 11.

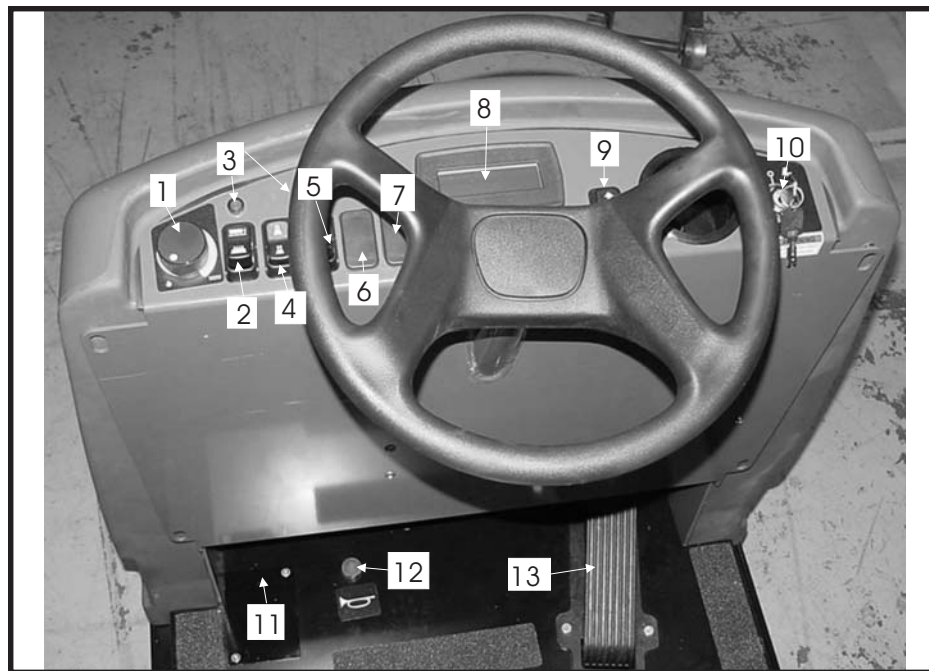


Fig. 12

1. Solution Flow Knob
2. Brush Switch (for cylindrical with dual side broom option, see Chapter 4)
3. Low Solution Light (Left) High Recovery Light (Right)
4. Scrub Pressure Switch
5. Squeegee Vacuum Switch
6. ESP
7. Light Switch, Optional
8. LCD Display
9. Forward/Reverse Switch
10. Key Switch
11. Secondary Optional Brake Pedal (Bottom), Pedal Lock (Top)
12. Horn Button, Optional
13. Foot Throttle

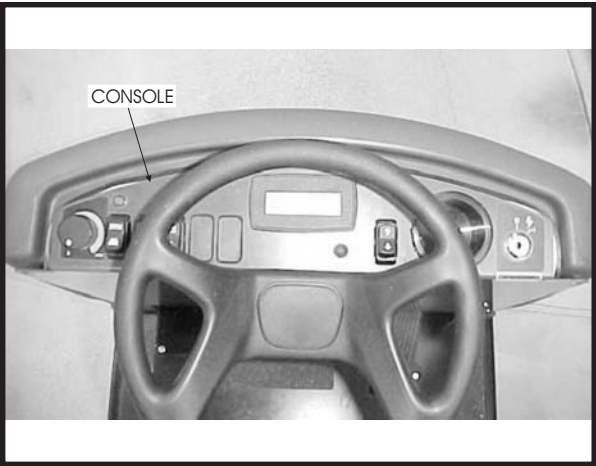


Fig. 13

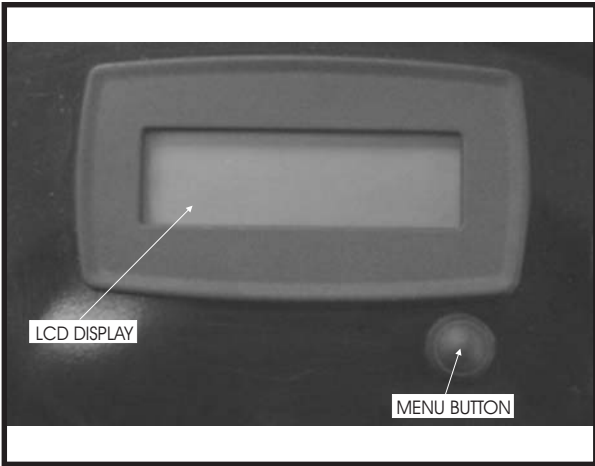


Fig. 14

LCD DISPLAY SCREEN CONTROL BUTTON

The SR5730 is equipped with an LCD display allowing the operator to monitor machine operation. The LCD display button is located in the center of the console to the right under the display. Pushing on the menu button enables the operator to view screen functions and monitor machine status and operation. When the key switch is turned on, screen 1 will automatically be displayed. Pressing the menu button will allow you to review screens 2 and 3.

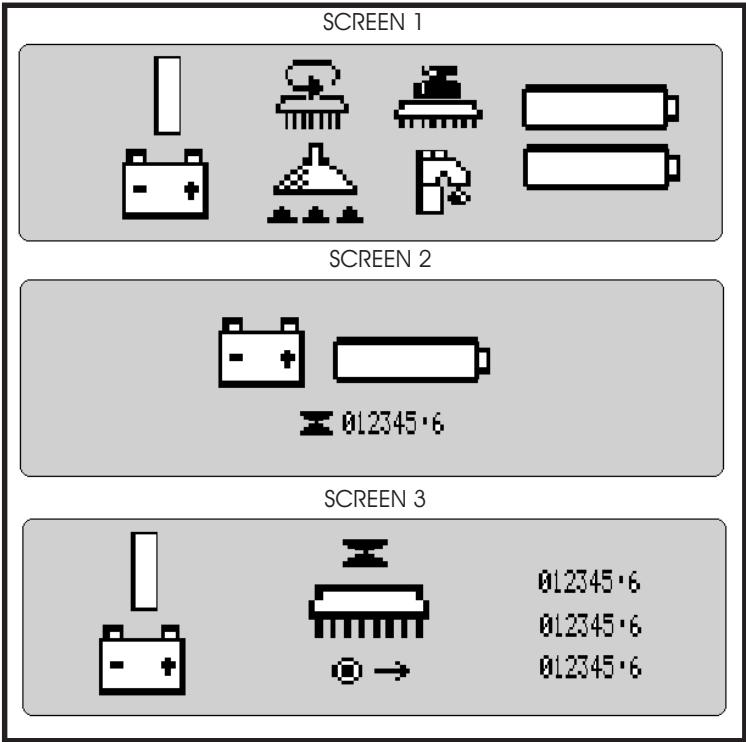


Fig. 15



Fig. 16

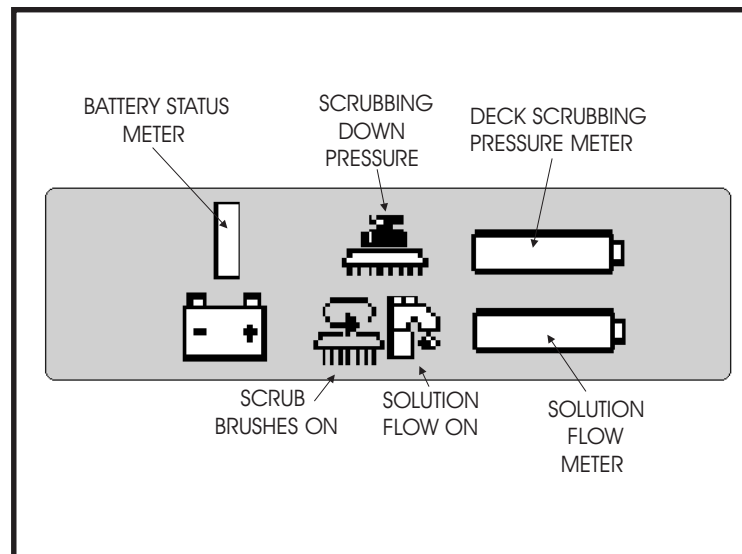


Fig. 17

SCRUB BRUSH SWITCH

The scrub brush switch is located on the left side of the console to right of the solution control knob as shown in figure 16. Pushing the scrub brush switch to up position will raise the scrub deck to the top position, the scrub brushes will stop rotating, the water solenoid will de-energize and solution flow will stop. Pushing the scrub brush switch down will lower the scrub deck to the set down pressure. The squeegee will lower and the vacuum will activate. When the scrub brush and squeegee are on, they will be displayed as shown in figure 17. The brushes will not rotate until the foot throttle is depressed. Releasing the foot throttle will raise the scrub deck to the top position and the brushes will stop rotating.

SCRUB PRESSURE SWITCH

The scrub pressure switch is located on the left side of the console between scrub brush switch and the squeegee/vacuum switch as shown in figure 16. Pushing the scrub pressure switch up selects the next highest scrub pressure setting available, increasing pressure. Selected pressure is displayed as a bar on the LCD control panel. Pressing the scrub pressure switch down selects the next lowest setting available, decreasing pressure as shown in figure 17.



Fig. 18

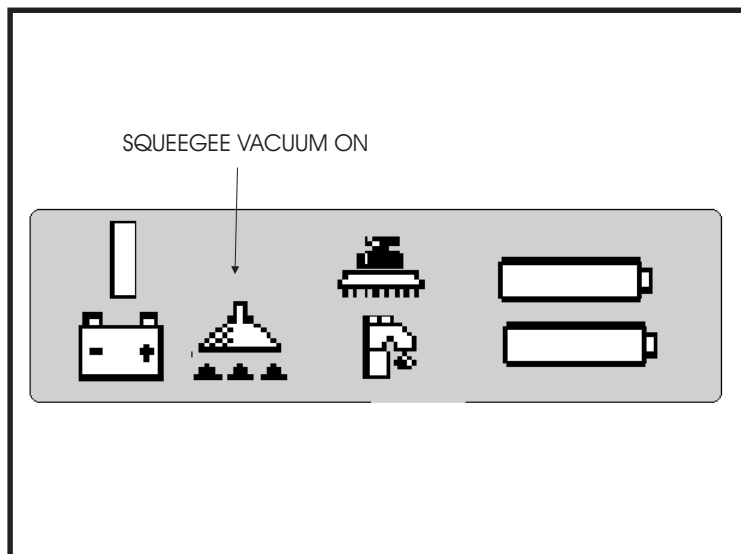


Fig. 19

SQUEEGEE/VACCUM SWITCH

The squeegee vacuum switch is located on the left side of the console to the right of the scrub brush switch as shown in figure 18. Pushing the squeegee/vacuum switch up raises and turns off the vacuum. Pushing the squeegee/vacuum switch down lowers the squeegee and turns on the vacuum. When the vacuum is on, it is displayed as shown in figure 19. Pressing down on the foot throttle with the forward/reverse switch in the reverse position will raise the squeegee when it is down. The vacuum will turn off in 15 seconds after the squeegee is raised.

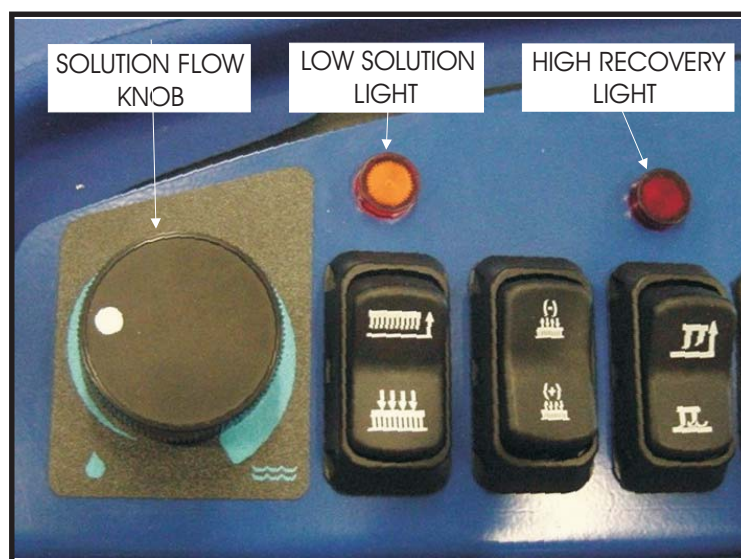


Fig. 20

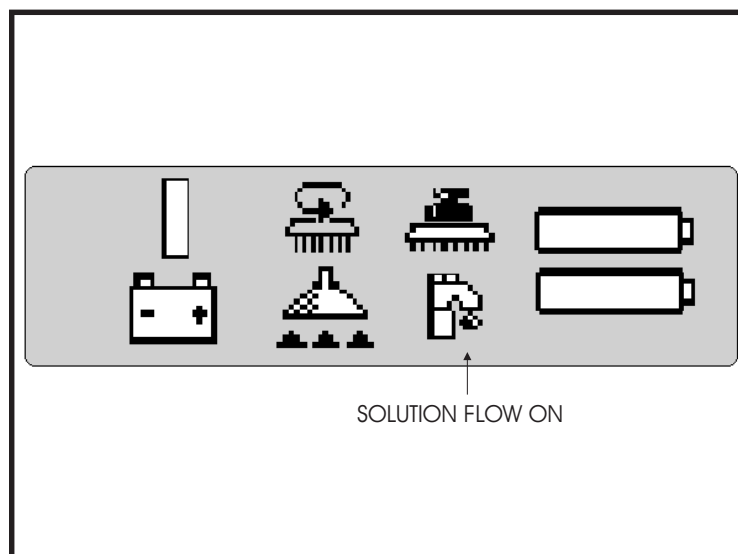


Fig. 21

SOLUTION FLOW CONTROL KNOB

The solution flow control knob is located on the console to the left of the scrub brush switch as shown in figure 20. When solution flow is on, the flow rate will be displayed as a bar shown in figure 21. The solution control knob gives an output of 0-3 GPM with disc scrubbing and 0-1 GPM with cylindrical scrubbing. Turning the knob clockwise increased the amount of solution deposited. Turning the knob counterclockwise decreases the amount of solution deposited. Solution flow will stop when the brushes are off or the key is in the off position.

LOW SOLUTION INDICATOR LIGHT

The low solution amber indicator light is located on the left side above the switches on the console to the left of the high recovery indicator light as shown in figure 20. When the low solution indicator light illuminates the solution tanks need to be filled.

HIGH RECOVERY INDICATOR LIGHT

The high recovery red indicator light is located on the left side above the switches on the console to the right of the low solution indicator light as shown in figure 21. When the high recovery indicator light illuminates the recovery tank is full and needs to be drained and cleaned out.

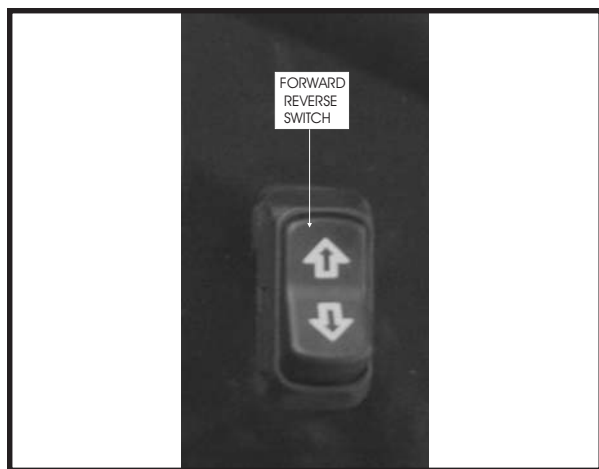


Fig. 22

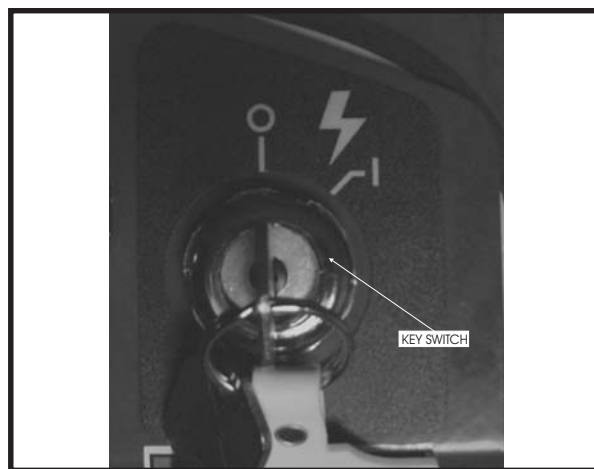


Fig. 23

FORWARD/REVERSE SWITCH

The forward/reverse switch is located on the right side of the console to right side of the steering wheel as shown in figure 22. Pushing the forward/reverse switch up will result in the machine moving forward when the foot throttle is depressed. Pushing the forward/reverse lever switch down will result in the machine moving backward when the foot throttle is depressed.

KEY SWITCH

The key switch turned to the right, the "I" position, will activate all machine systems as shown in figure 23.

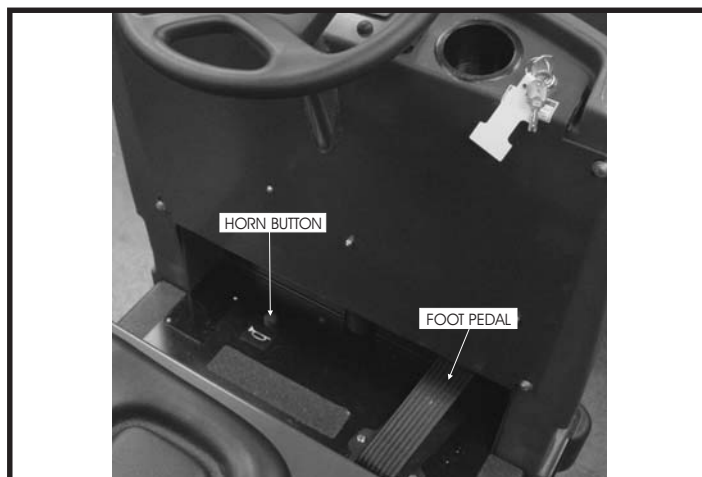


Fig. 24

FOOT PEDAL

The foot pedal is located on the floor on the right side as shown in figure 24. Pressing the foot pedal down sets the machine in forward or reverse motion, the direction depending on the position of the forward/reverse switch.

HORN BUTTON

The horn button is located on the floor of the operator's compartment to the right of the optional parking brake pedal as shown in figure 24. Pressing the button with the left foot will activate the horn.

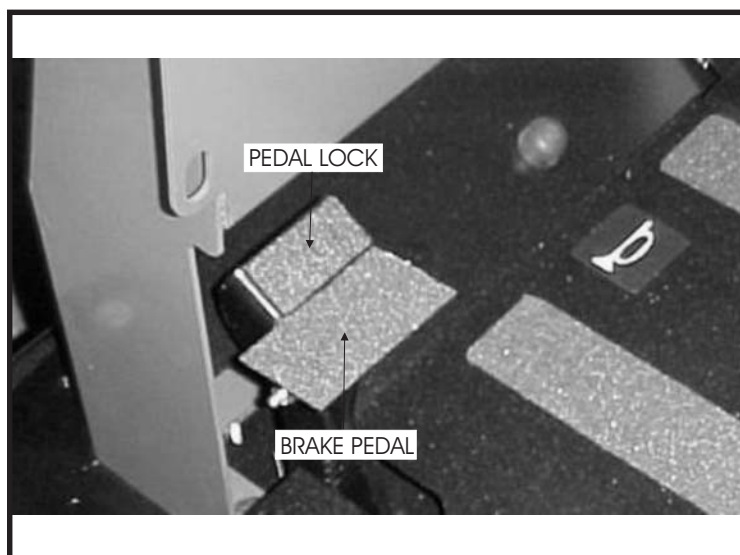


Fig. 25

SECONDARY PARKING BRAKE (OPTION)

The machine is equipped with an electrically actuated mechanical parking brake on the front drive wheel that is automatically engaged when the key is turned off or the drive wheel stops rotating. A secondary, mechanically actuated parking brake is available as an option as shown in figure 25. To set the secondary parking brake, press down the brake and then press the lock on the upper portion of the pedal. To unlock the parking brake, push on the upper portion of the pedal lock to release it. The foot brake is not a method for slowing machine travel or for stopping under normal conditions. This is accomplished by releasing the foot pedal.



Fig. 26

ESP (OPTION)

The ESP switch is located on the left side of the console in between the squeegee/vacuum switch and the light switch. The ESP switch transfers water from the recovery tank through a filter and into the solution tank. When the switch is in the down position the pump will operate when the high recovery light is illuminated. Clean the filter in the recovery tank when the tank is emptied.



NOTE

Do not place clean water in the recovery tank when using the ESP option, the solution tank could become overfilled during operation.

LIGHT SWITCH (OPTION)

The light switch is located on the left side of the console to the left of the steering wheel as shown in figure 26. Pushing the light switch to the up position will illuminate the optional light located in the center on the front of the machine. Pushing the light switch to the down position will turn the light off.

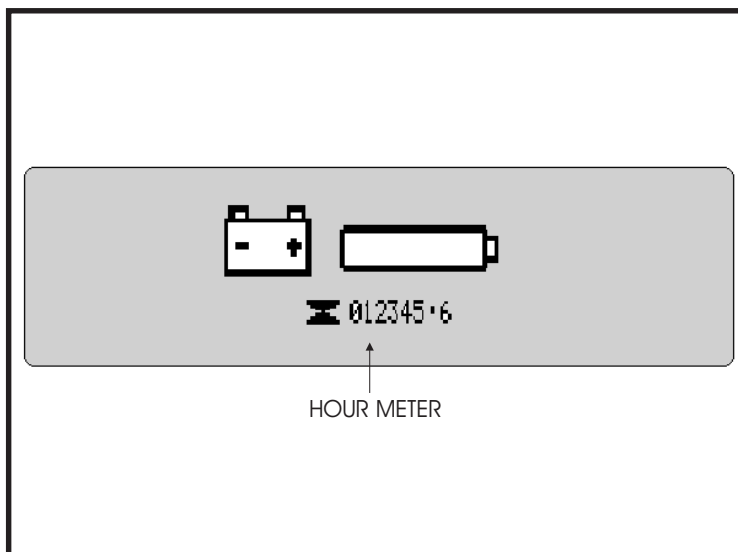


Fig. 27

HOUR METER

The hour meter is activated when the key switch is in the “on” position. Screen 2 on the LCD display shows total hours and panel screen display 3 shows total hours, brush hours and traction hours. This is useful for determining service intervals.

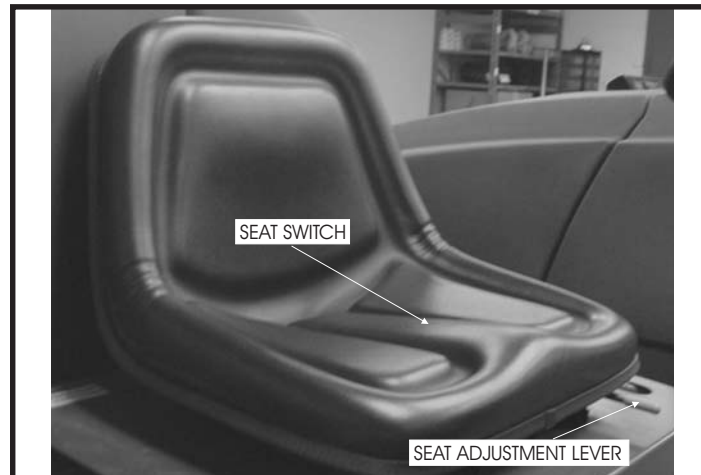


Fig. 28

SEAT ADJUSTMENT LEVER

This lever is located on front to the seat to the left allowing the seat to be moved forward and back as shown in figure 28.

SEAT SWITCH

The seat switch is a interlock safety switch located on the underside the seat and is activated by the operator's body weight while seated. The machine will stop immediately if there is no operator present in the seat.

OPERATING INSTRUCTIONS



Note

Before starting, perform the pre-start checks.

PRE-START CHECKLIST

1. Check controls for proper operation.
2. Make sure all controls are in the off position
3. Be sure foot throttle is in the neutral position
4. Check all flaps for damage or wear
5. Check scrub brushes for wear
6. Fill solution tank with water and detergent

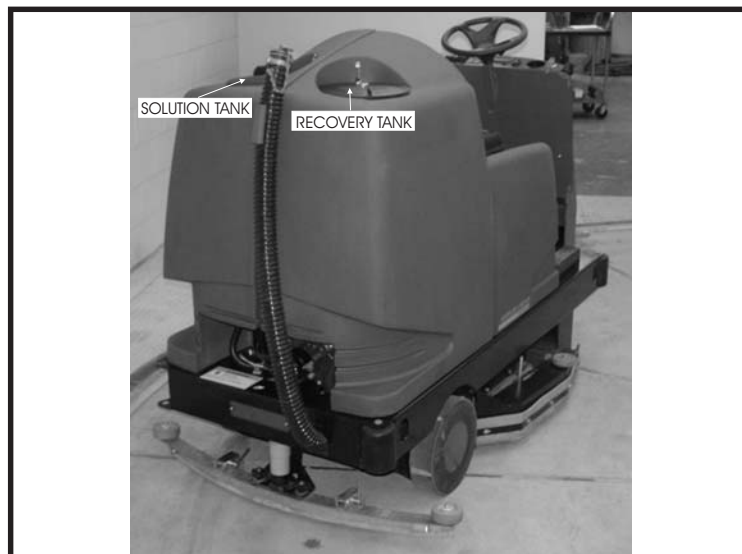


Fig. 30

TO FILL SOLUTION TANK

Remove the solution lid located on the back right side of the machine as shown in figure 30. Fill tank with 40 gallons of water and the correct mixture of American Lincoln Commercial cleaner for the job on hand, first making sure that the solution control knob is "OFF." Place the lid back on the solution tank.

TO START MACHINE

1. Release secondary parking brake (if equipped).
2. Turn key to "I" position.

TO TRANSPORT MACHINE

1. Make sure the brushes and squeegees are in the up or raised position with all other controls in the off position.
2. Push the forward/reverse switch to desired position (up for forward and down for reverse)
3. Push down on the foot throttle to obtain desired travel speed, release foot throttle to stop.



WARNING

Do not turn the steering wheel sharply when the machine is in motion. The sweeper is very responsive to movement of the steering wheel. Do not make sudden turns.

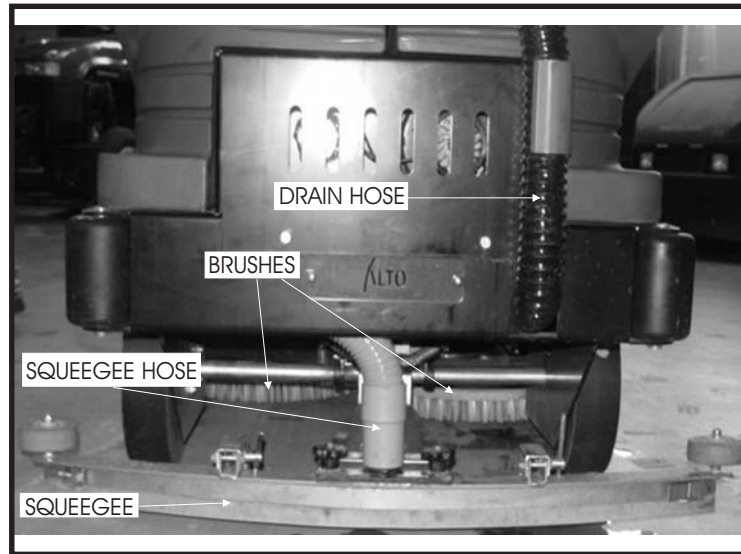


Fig. 31

TO BEGIN THE CLEANING OPERATION

1. Lower brushes into position.
DISC SCRUB DECK = NORMAL OR HEAVY
CYLINDRICAL SCRUB DECK = ONE SETTING ONLY
2. Place the squeegee switch in the lower position.
SQUEEGEE BLADE = LOWER
3. Move solution control knob to the desired setting and begin operation.

SCRUBBING THE AVERAGE FLOOR WITH LIGHT TO MEDIUM SOILAGE

In this operation, cleaning is accomplished in one pass, with simultaneous solution feed, scrubbing and dirty water pick up. The rate of solution feed and the speed of travel required will vary with floor condition. This knowledge will come with operator experience.

SAFETY FEATURES

SEAT SAFETY SWITCH - Machine will not move and parking brake will set if this switch is not activated.

SPEED INTERLOCK - Maximum machine speed will be reduced while scrub brushes are in use.

BRUSHES OFF IN NEUTRAL - Scrub brushes automatically disengage when machine is idle.

PARKING BRAKE INTERLOCK - Parking brake will automatically set when foot pedal is released.

AUTOMATIC RECOVERY VACUUM SHUT-OFF - Vacuum fans will shut down when recovery tank is full.

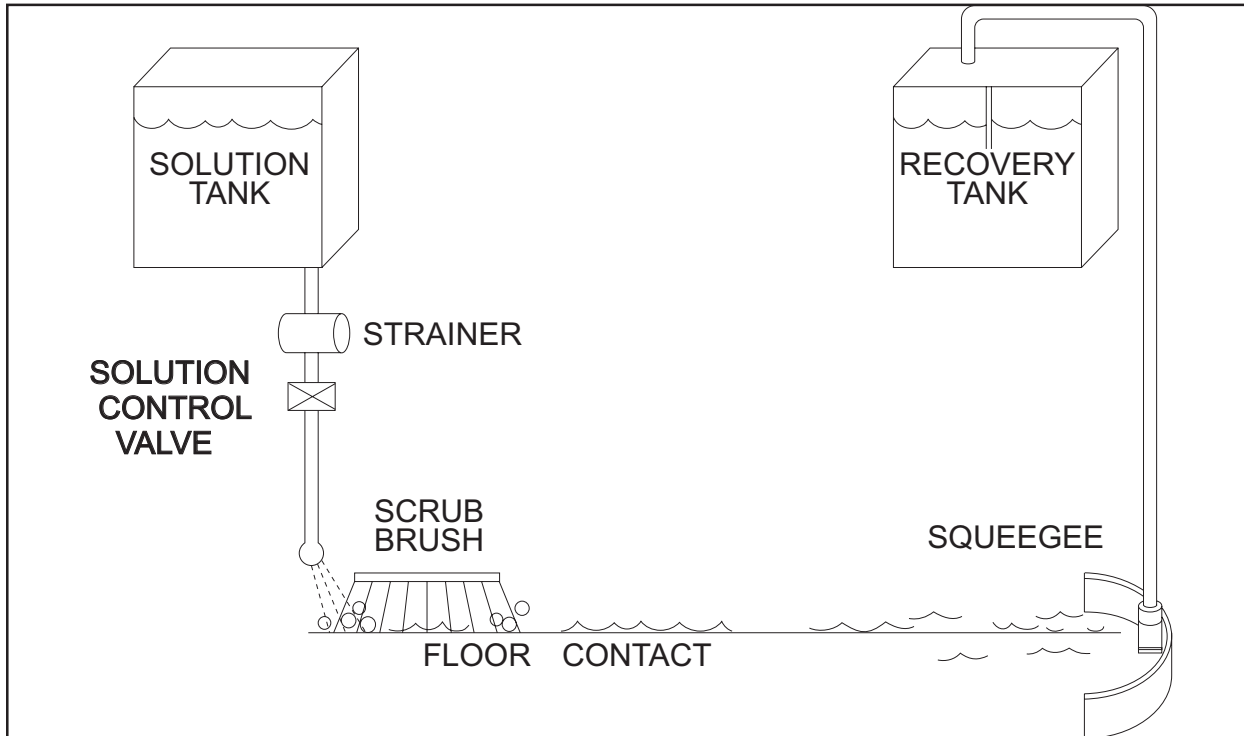


Fig. 32

THE NON-RECYCLING OR STANDARD SCRUBBING MODE

During the scrubbing process, detergent solution water from the solution tank is fed to the solution line. There it is fed to the floor where two disc scrubbing brushes work to dislodge soil. After scrubbing, the dirty solution is vacuumed from the floor and discharged into the recovery tank.

Sensors in each tank will indicate, by lights on the control panel, when the water in the solution tank is too low or when the water in the recovery tank is too high.

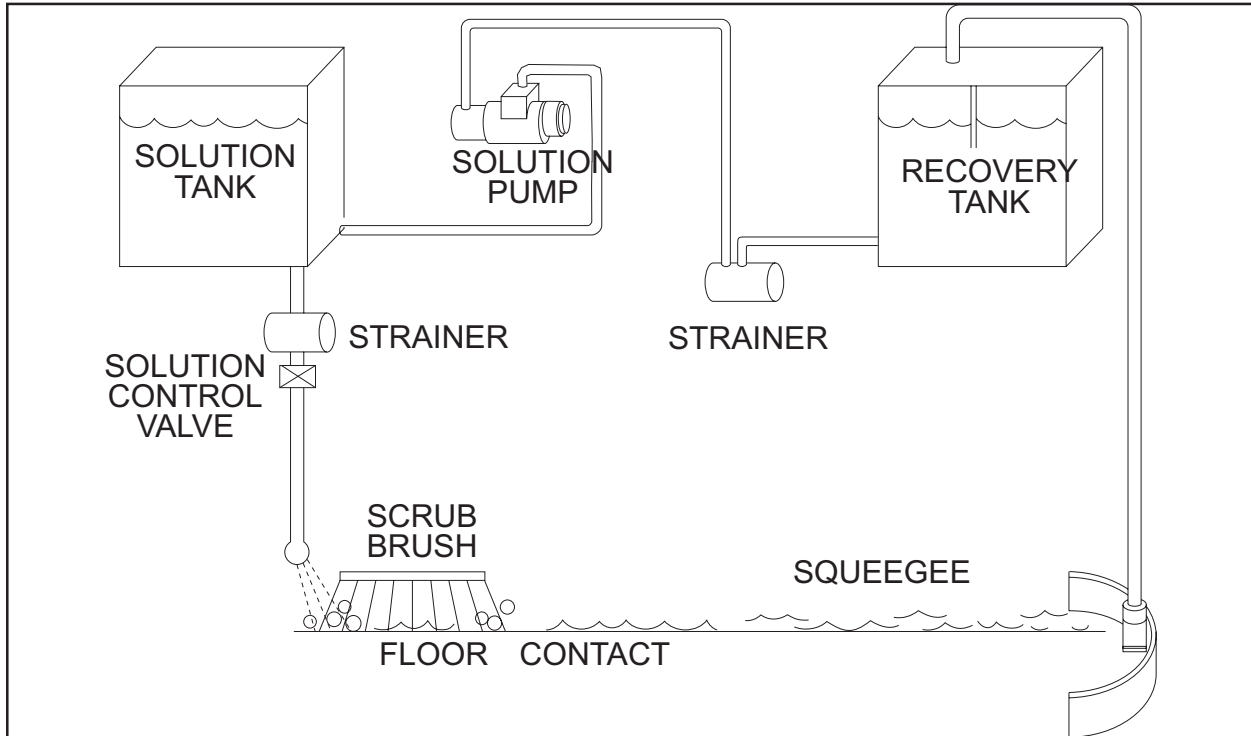


Fig. 33

ESP OPERATING MODE

During the scrubbing process, filtered water from the solution tank is fed to the solution line and then to the floor where two disc scrubbing brushes work to dislodge soil. After scrubbing, the dirty solution is vacuumed from the floor and discharged into the recovery tank. At intervals, a float switch activates the recycling pump, which sends filtered solution from the recovery tank to the solution tank.

OPERATING INSTRUCTIONS

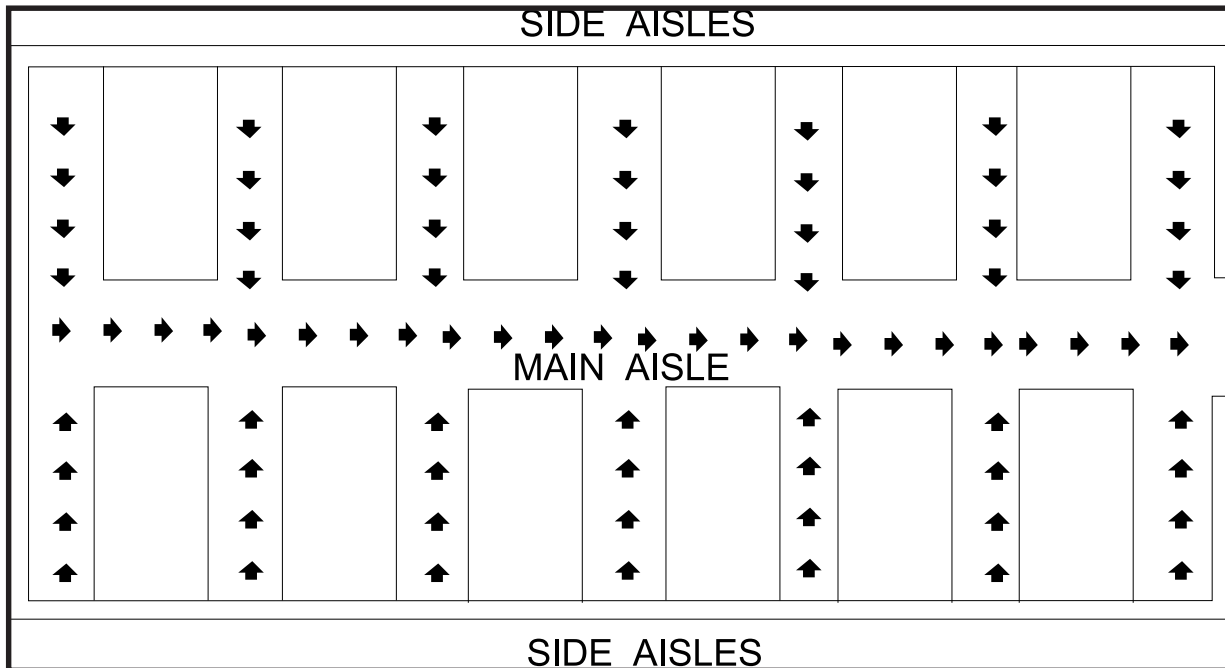


Fig. 34

SCRUBBING PATH

- Try to scrub in as straight a path as possible. Avoid bumping into posts or scraping the sides of the machine.
- When placing the machine in motion, avoid slamming the directional control pedal all the way forward suddenly. This is equivalent to starting out in "HIGH" and puts needless strain on the drive system. Periodically, turn the sweeping broom end for end to prevent the bristles from "settling" in one direction.
- Plan your sweeping and scrubbing in advance. Try to arrange long runs with minimum stopping and starting. Sweep debris from narrow aisles out into main aisle ahead of time. Do an entire floor, or section at on time.
- Pick up oversize debris before sweeping.
- Allow a few inches of overlap of sweep and scrub paths. This will eliminate leaving dirty patches.
- Don't turn steering wheel to sharply when machine is in motion. The machine is very responsive to movement of the steering wheel; so avoid sudden turns.

TO STOP THE CLEANING OPERATION

Discontinue the cleaning operation when the low solution light or the high recovery light illuminates, this indicates the solution tank is empty or recovery tank is full. Discontinue the scrubbing cycle, put all controls in the forward position for transport and drive to the drain area.



NOTE

After stopping, perform these post operation checks.

POST OPERATION CHECKLIST

Check Battery Condition and recharge, if necessary.

1. Check all flaps for wear, damage and adjustment.
2. Drain and clean recovery tank.
3. Clean recovery tank screen and float.
4. Check scrub brushes for wear or damage.
5. Check rear and side squeegee for wear, damage and adjustment.

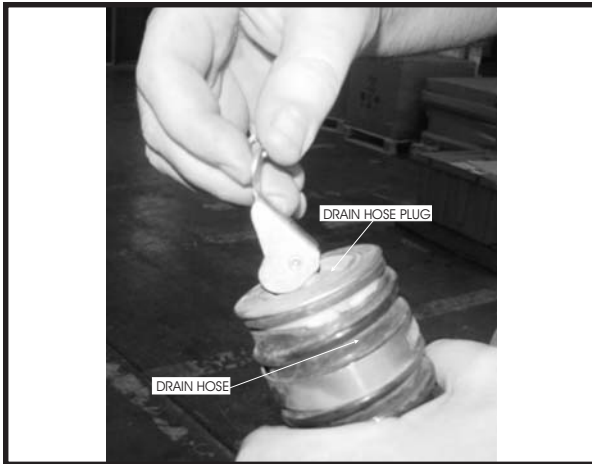


Fig. 35

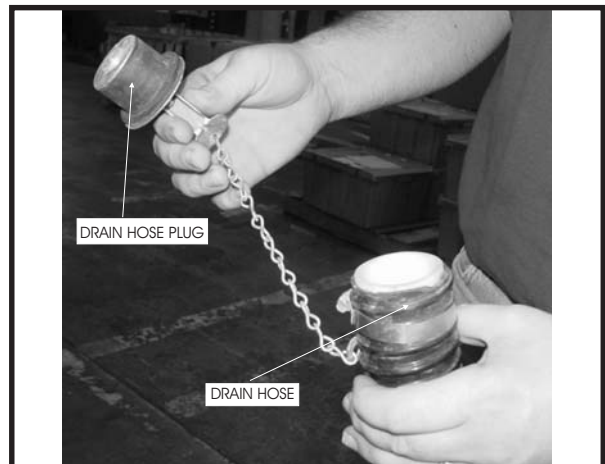


Fig. 36



Fig. 37

TO DRAIN RECOVERY TANK

The drain hose for the recovery tank is located on the back of the machine. To drain the tank, remove and lower the hose and place in a suitable floor drain as shown in figure 37. Open the drain hose plug as shown in figure 35 and 36.



IMPORTANT

Improper discharge of wastewater will damage the environment and is illegal. The U.S. Environmental Protection Agency has established certain regulations regarding discharge of wastewater. The local city and state regulations regarding wastewater discharge may be in effect in your area. Understand and follow the regulations in your area. Be aware of the environmental hazards associated with the substances you dispose of.

OPERATING INSTRUCTIONS



Fig. 38

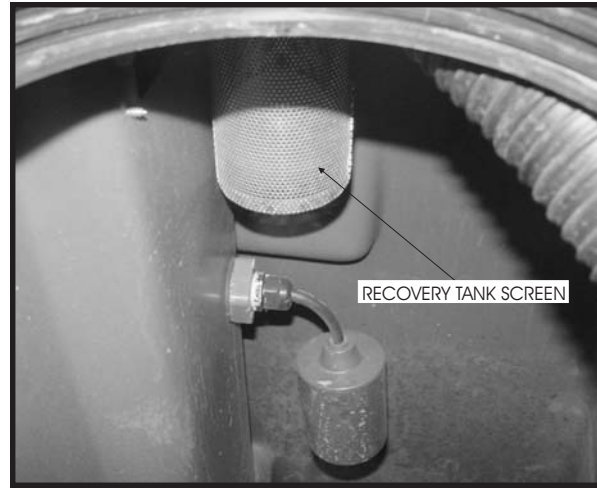


Fig. 39

When the draining operation is completed, flush the recovery drain hose as shown in figure 38. Clean the recovery tank and recovery tank screen as shown in figure 39. Close the drain hose plug, close recovery tank lid and clip the drain hose into place.

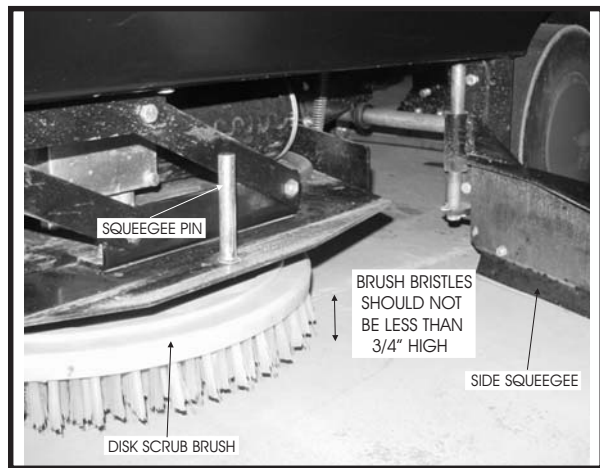


Fig. 40

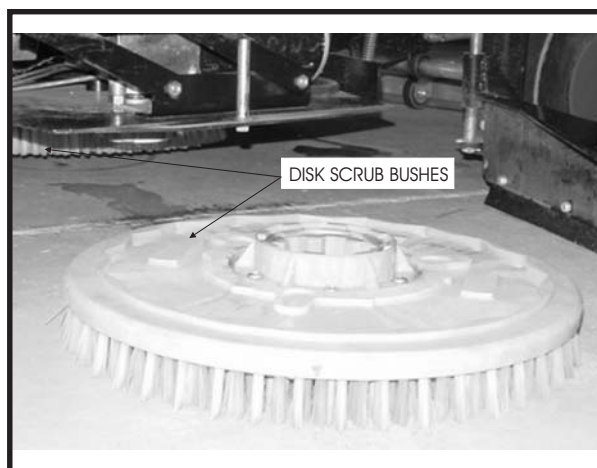


Fig. 41

Inspect the disk brushes and replace when bristles are reduced to 3/4 inch length as shown in figure 40 and 41. To order replacement brushes, see scrub brush options in this manual. (IF YOUR 5730 HAS CYLINDRICAL SCRUBBING, SEE CHAPTER 4.)



Fig. 42

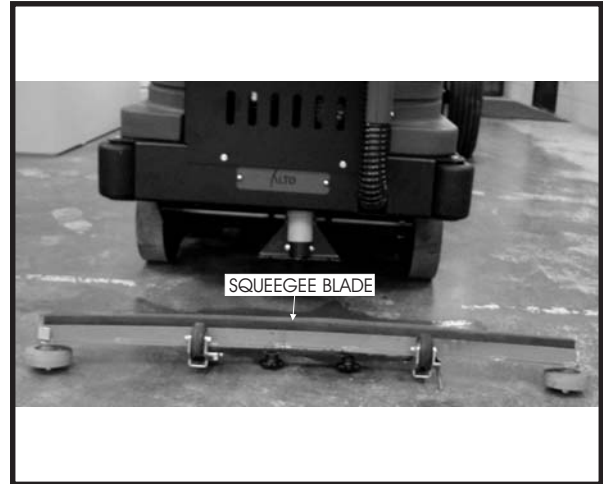


Fig. 43



Fig. 44

Inspect the rear and side squeegee blades for wear. If the wiping edge has become rounded, remove and reinstall so the unworn edge is now the wiping edge. This process can be repeated until all four edges are worn. If the squeegee blade has become rippled, it will need to be replaced. Inspect the inner flap on the rear squeegee for wear and to ensure it has not been torn or damaged. (IF YOUR 5730 HAS CYLINDRICAL SCRUBBING, SEE CHAPTER 4.)

OPERATING INSTRUCTIONS



Fig. 45

PRE-SWEEP (OPTION)

The sweeper is designed to turn the broom on as it is lowered as shown in figure 45. To lower the broom release hand lever on right side.

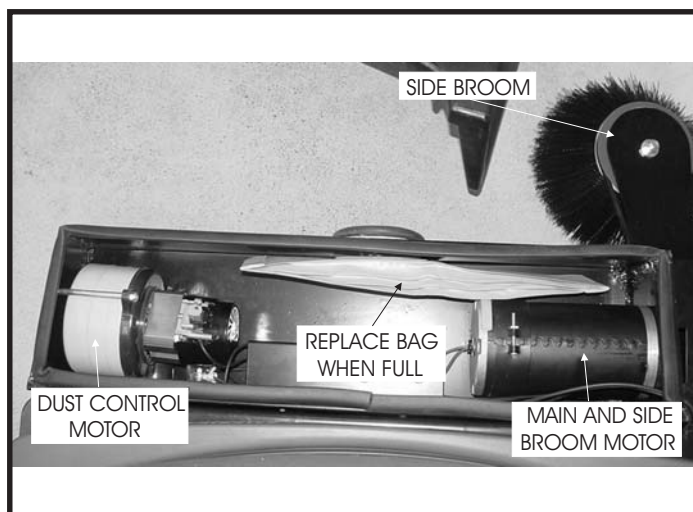


Fig. 46

PRE-SWEEP FILTER BAG REPLACEMENT

The filter bag should be checked every time the pre sweep is used and replaced when full as shown in figure 46.



WARNING

There is a potential risk of the bag tearing and causing premature failure of the dust control motor and the main and side broom motor.

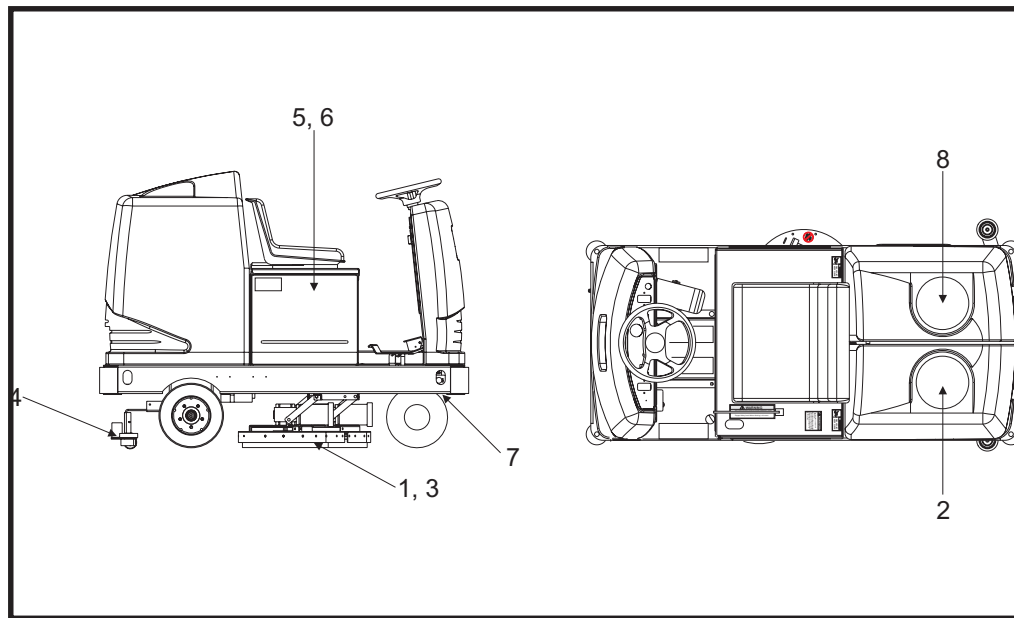


Fig. 47

EVERY 8 HOURS or DAILY operation check and clean/adjust if necessary:

1. All flaps for wear or damage
2. Clean recovery tank
3. Scrub brushes for wear or damage
4. Squeegees for wear or damage
5. Charge and check batteries

50 HOUR MAINTENANCE CHECKLIST:

6. Check battery electrolyte level
7. Lubricate steering bearing and pivot

100 HOUR MAINTENANCE CHECKLIST:

8. Clean solution tank

For service assistance, consult your local American-Lincoln Distributor, For best performance, replace worn parts with genuine American-Lincoln parts.

Refer all Maintenance and Service Requirements to Qualified Maintenance Personnel.

Do not attempt to service this machine until you have read and understood all Safety Warnings associated with the equipment you are working on.

MAINTENANCE

For safety, read and follow the service precautions below. Know the hazards associated with the equipment you are working on to prevent personal injury or damage to equipment.

For service assistance, consult your nearest American-Lincoln dealer. For best performance replace worn parts with genuine American-Lincoln parts.

Refer all maintenance and service requirements to qualified maintenance personnel.

DO NOT attempt to service this machine until you have read and understand all safety warnings associated with the equipment you are working on.



WARNING

- **Maintenance and repairs must be done by authorized personnel only.**
- **Electrical repairs must be done by authorized personnel only. Consult your American-Lincoln Authorized Service Person to do service procedures. Use only genuine American-Lincoln parts.**
- **Always park on a level surface, turn key off, and engage parking brake before working on the machine to keep it from creeping or rolling.**
- **If towing or pushing is required, disconnect motor lead located on the terminal block on the bottom of the machine.**
- **Maintenance and repairs must be done by authorized personnel only. Always empty the solution tank and the recovery tank before doing any maintenance. Keep all fasteners tight. Keep adjustments according to the specifications as shown in the Service Manual for this machine.**
- **Always wear eye protection and protective clothing when working near batteries. Do not put tools or other metal objects across the tops of the batteries. NO SMOKING.**
- **To prevent damage to the machine, and discharge across the tops of the batteries, do not fill the batteries above the bottom of the tube in each cell. Wipe any acid from the machine or the tops of the batteries. Do not add acid to a battery after installation.**
- **Always wear eye protection and protective clothing when working near batteries. NO SMOKING.**
- **Always empty the hopper and disconnect the batteries before doing any maintenance.**
- **The hopper could fall and cause serious injury. Always engage the hopper safety arm before working under the hopper.**
- **To maintain the stability of this machine in normal operation, the overhead guard, or similar equipment installed by the manufacturer as original equipment should not be removed. If it becomes necessary to remove such equipment for repair or maintenance, this equipment must be reinstalled before machine is placed back in operation.**

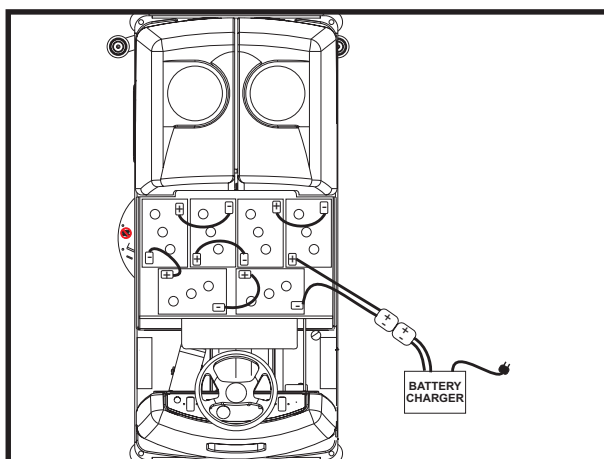


Fig. 48

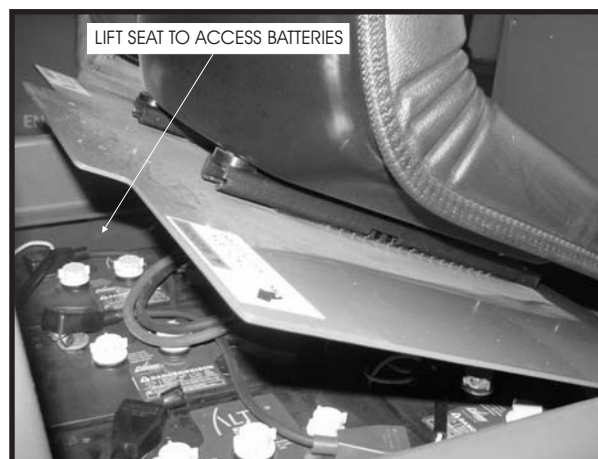


Fig. 49

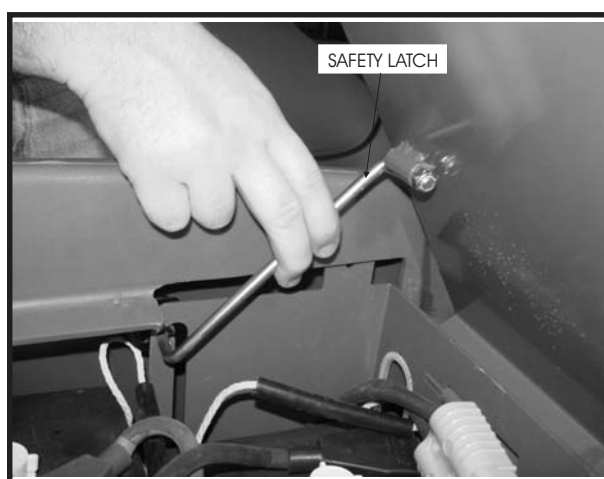


Fig. 50

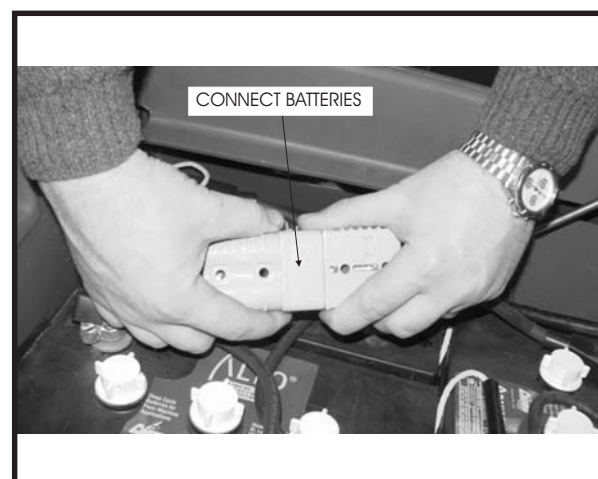


Fig. 51

BATTERY CHARGING INSTRUCTION

When the batteries are disconnected (i.e. charging, replacement), the microprocessor needs to be reset by turning the key switch on and raising the brush deck. When the red light comes on steady the batteries can be charged.

1. Lift seat cover, make sure safety latch is secure in notch.
2. Insert charging plug into battery receptacle.
3. Plug power cord into proper AC source.
4. Follow the charging instructions provided on the charger.
5. Maintain electrolyte level in batteries, check after charging. Add distilled water as needed.



WARNING

- Do not remove the battery from the machine if there is waste in the solution tank.
- Hydrogen gas is formed during the charging operation and is explosive! Only charge batteries in a well-ventilated area with the lid open. Avoid any open flame or electrical sparks. Pulling out the charger plug, with the charger still on, will cause an arc and must be avoided.
- Batteries are heavy. Get help to lift the batteries.
- Always remove jewelry, wear protective clothing, and face protection when working near batteries.
- Lead acid batteries generate gases, which cause explosions. Keep sparks and flames away from batteries charge the batteries only in area with good ventilation. **NO SMOKING!**
- To prevent an explosion, disconnect the AC plug from the receptacle before connection or disconnection the DC plug on the charger.
- The battery box can slide off a forklift and cause severe personal injury or damage to equipment. Ensure that the battery box is properly secured to the forks of the forklift during transport, drive and stop with caution.

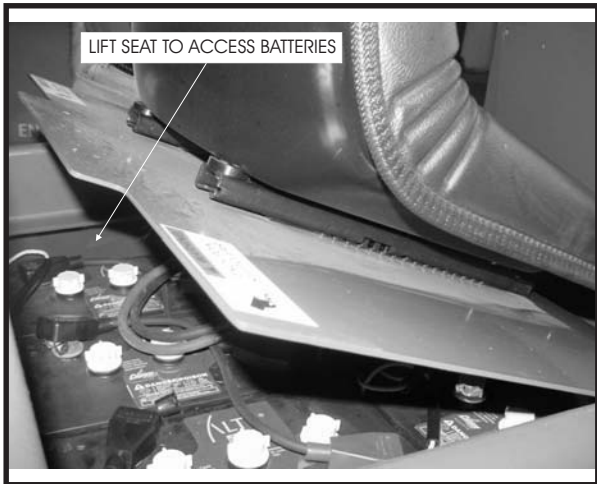


Fig. 52

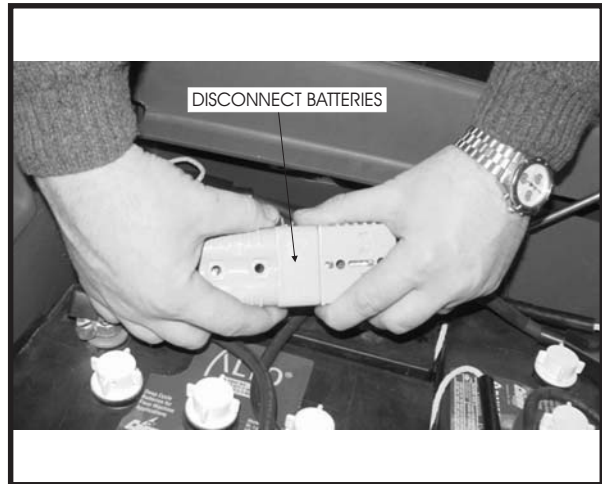


Fig. 53

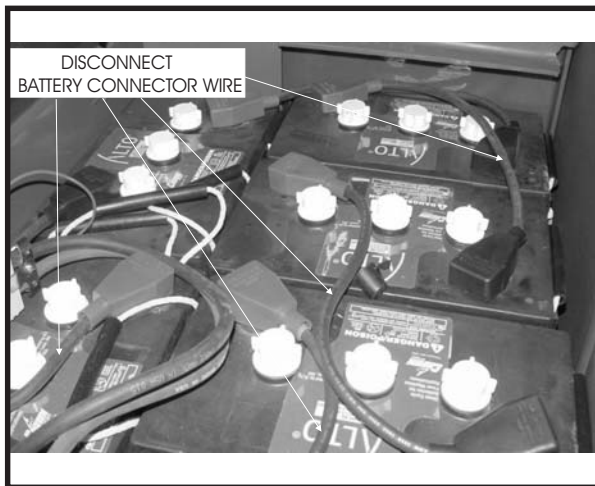


Fig. 54

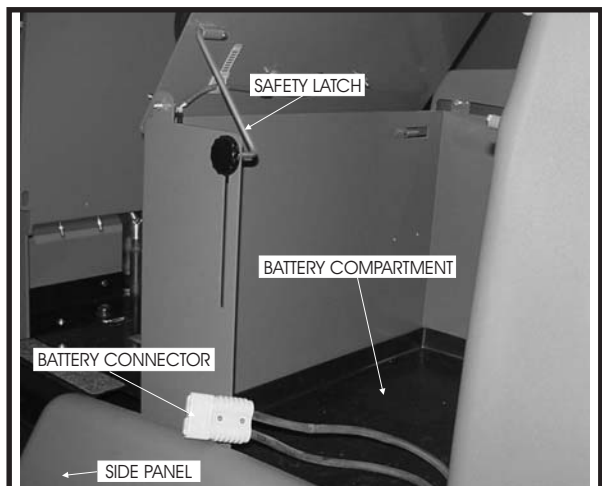


Fig. 55

BATTERY REMOVAL

When removing batteries

1. Lift the seat cover making sure the safety latch is secure in the notch.
2. Remove the side panel to gain access to battery compartment.
3. Unplug the battery connector assembly from the battery to the machine connector assembly.
4. Disconnect the battery connector wires from the batteries.
5. Remove battery spacers holding batteries in place.
6. Use a 100 lb. (454 KG) lifting mechanism to lift and remove batteries.

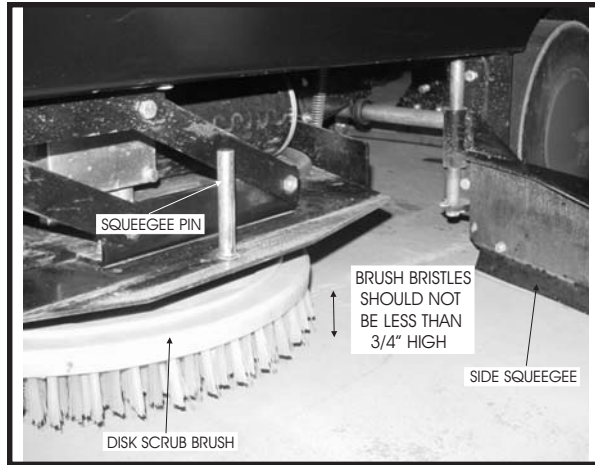


Fig. 56



Fig. 57

REPLACING DISK SCRUB BRUSHES

(IF YOUR 5730 HAS CYLINDRICAL SCRUBBING, SEE CHAPTER 4.)

Replace Scrub Brushes when the bristles become worn to 3/4" as shown in figure 56 and 57.

1. Lower scrub brushes.
2. Swing open side squeegees
3. Lift scrub brushes
4. The scrub brush is held in place by a ring. Pull the brush straight down to remove it.
5. Push a new brush onto the scrub brush driver until it clicks in place.
6. Lower Scrub Deck to the NORMAL position and check the brush for proper floor contact.
7. Replace side squeegees.

REPLACING PADS ON A PAD DRIVER

Install a new pad when the old pad is worn or dirty. The pad driver assembly is removed and installed the same way a standard scrub brush is. (See replacing the scrub brushes) To change pad follow this procedure.

1. The pad driver is held in place by a ring. Pull the pad driver straight down to remove it.
2. Remove the pad holder using the spring wire retainer.
3. Replace the worn pad.

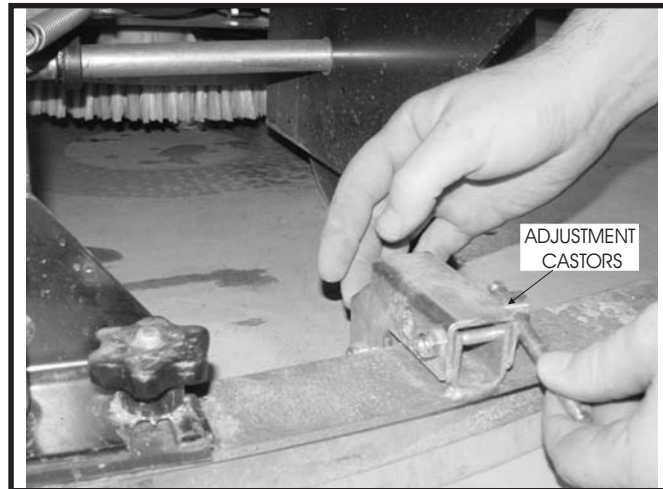


Fig. 58

SQUEEGEE CASTER WHEEL ADJUSTMENT

Adjust if squeegee leaves water on floor. The wheels must be 3/16" (.476 cm) above the floor.

1. Set the parking brake.
2. Turn the key switch to the on position.
3. Put the Squeegee Blade Switch in the lower position.
4. Turn the key switch to the on position. This will turn off the vacuum fans.
5. Loosen the wheel brackets by turning the adjustment handles.
6. Adjust the wheels to 3/16" (.476 cm) above the floor.
7. Tighten the wheel brackets with the adjustment handles.



Fig. 59

MAINTENANCE FOR THE REAR SQUEEGEE

To remove the squeegee, follow this procedure:

1. Remove the squeegee assembly by loosening the two knobs that attach the squeegee to the machine as shown in figure 59. Pull the squeegee assembly off.
2. Inspect the squeegee blade.
3. If the blade is worn, turn the blade so that a new edge is in the wiping position.
4. Reinstall squeegee assembly on the machine.



Note

Toothed lock washers must be on top of support plate

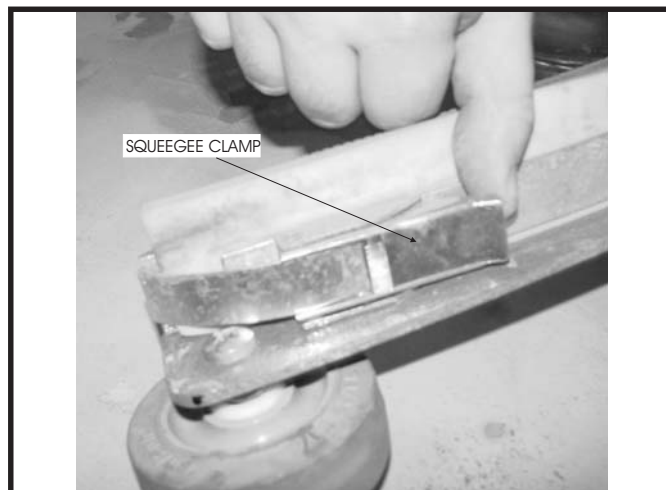


Fig. 60

SQUEEGEE BLADE REPLACEMENT

Replace if front or rear blades are worn or damaged.

1. Set the parking brake.
2. Turn the key to the on position.
3. Put the Squeegee Blade Switch in the lower position.
4. Turn the key switch to the off position.
5. Remove the rear squeegee assembly.
6. Loosen the strap clamp.
7. Remove the old blades.

Push the new blades in until they are against the top of the squeegee. Retighten clamp



Fig. 61

TO DRAIN SOLUTION TANK

Remove the cover from the solution tank, rotate the handle on the drain plug counterclockwise and then pull up as shown in figure 61. After the tank has drained, flush out with clean water and reinstall the plug.

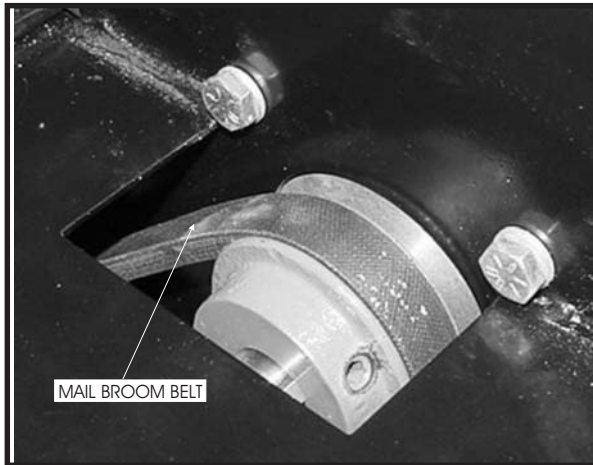


Fig. 62

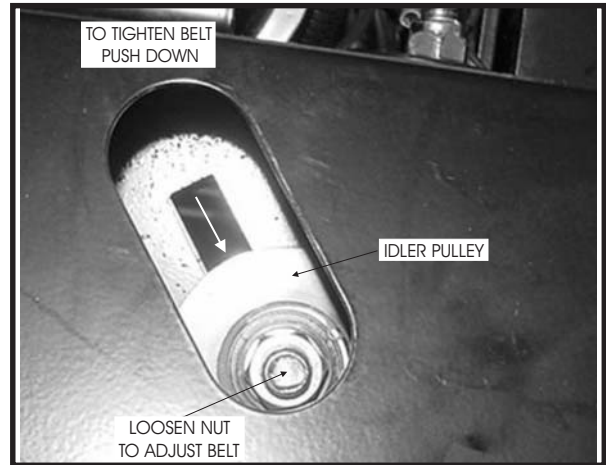


Fig. 63

PRE-SWEEP (OPTION)

Main Broom Belt

1. Check belt tension adjustment as shown in figure 62.
2. Loosen idler pulley as shown in figure 63.
3. Move in slot in main frame.
4. Retighten.



Fig. 64

Side Broom Belt

1. Check belt tension adjustment as shown in figure 64.
2. Loosen pulley and broom nut.
3. Force pulley and broom forward.
4. Retighten.

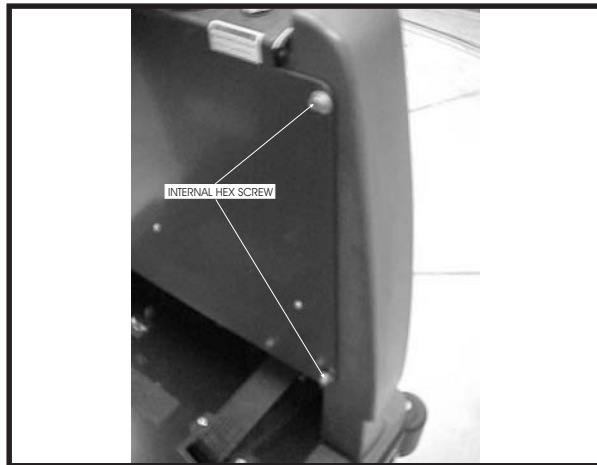


Fig. 65

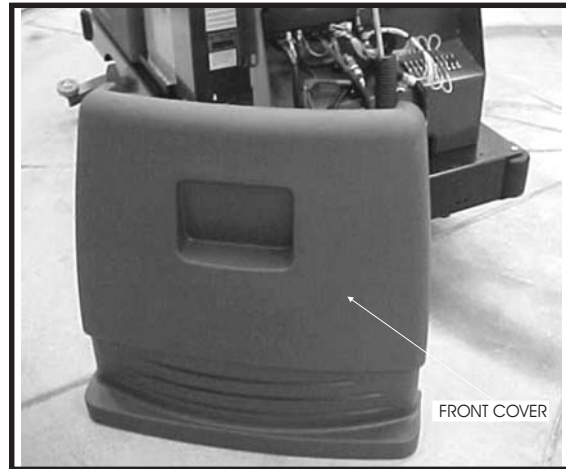


Fig. 66

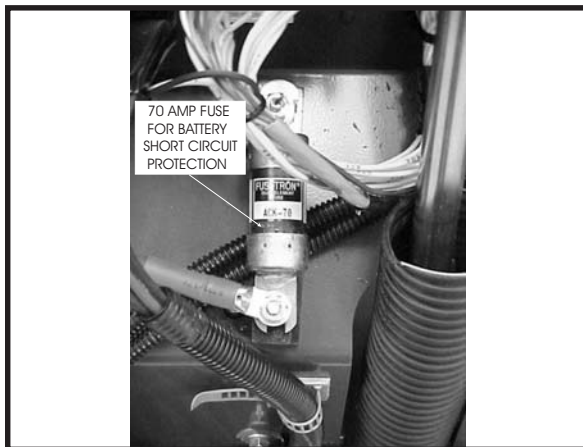


Fig. 67

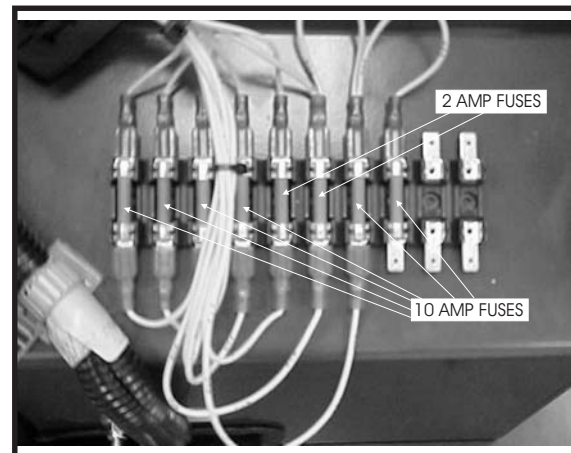


Fig. 68

FUSE REPLACEMENT

To replace fuses, unscrew the four internal hex screws and remove the front cover as shown in figures 65 and 66. Check fuses with an amp meter to locate the blown fuse. Replace the fuse with one of exactly the same size as shown in figures 67 and 68. Replace the cover and tighten the internal hex screws.

These fuses are manufactured by: Cooper-Bussmann, Inc., P.O. Box 14460, St. Louis, MO 63178-4460

Figure 67 **Fuse Part No.**

8-28-05019 (American-Lincoln)
ACK-70 (Cooper Bussmann)

Figure 68 **Fuse Part Nos.**

2-00-05861 (American-Lincoln/2 amp)
ABC-2 (Cooper Bussmann/2 amp)

2-00-05860 (American-Lincoln/10 amp)
ABC-10 (Cooper-Bussmann/10 amp)

FUSES



Fig. 69

Fuse 1	10 Amp Scrub Deck Actuator Fuse
Fuse 2	10 Amp Scrub Deck Actuator Fuse
Fuse 3	10 Amp Squeegee Actuator Fuse
Fuse 4	10 Amp Squeegee Actuator Fuse
Fuse 5	2 Amp Water Flow Control Valve Fuse
Fuse 6	2 Amp Tank Float Switch Fuse
Fuse 7	10 Amp Light and Horn Fuse
Fuse 8	10 Amp Option Pump Fuse



WARNING

Replace fuses with the same size fuse to avoid damage to electrical components.

Power Panel fuses are manufactured by: Cooper-Bussmann, Inc., P.O. Box 14460, St. Louis, MO 63178-4460

Fuse Part Nos.

2-00-05861 (American-Lincoln/2 amp)
ABC-2 (Cooper Bussmann/2 amp)

2-00-05860 (American-Lincoln/10 amp)
ABC-10 (Cooper-Bussmann/10 amp)

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY
Poor scrubbing.	<ol style="list-style-type: none"> 1. Worn scrub brushes. 2. Incorrect method of operation. 3. Wrong cleaning agent or mixture. 4. Poor solution distribution. 5. Brushes won't turn. 	<ol style="list-style-type: none"> 1. Replace brushes when scrub reaches worn zone. Brushes should be replaced when bristles worn to $\frac{3}{4}$". 2. Check scrubbing procedure, brush pressure, type of cleaning agent and solution flow-all are important to the scrubbing process. 3. Use American-Lincoln recommended cleaning materials. 4. Check solution strainer and clean feed hoses for obstructions. Check valve control for proper operation. 5. Check wiring connections.
Water splashes from sides of scrub deck.	<ol style="list-style-type: none"> 1. Scrub deck bumpers, poor contact with floor. 2. Squeegee blades worn or damaged. 3. Too much solution. 	<ol style="list-style-type: none"> 1. Readjust blades for proper contact. 2. Replace and adjust. 3. Shut off solution flow 5' to 10' before making turns.
Poor sweeping (Option).	<ol style="list-style-type: none"> 1. Broom jammed. 2. Hopper full. 3. Broom does not turn 4. Hopper not installed correctly. 5. Poor broom pattern. 6. Flaps worn. 	<ol style="list-style-type: none"> 1. Remove obstruction. 2. Empty. 3. Adjust or replace broom belts. Reset circuit breakers adjust broom micro switches. Repair loose wire connections. 4. Reinstall. 5. Adjust sweep pattern. 6. Repair or replace.

Machine moves slow or erratically.	<ol style="list-style-type: none">1. Battery charge low.2. Brakes dragging.3. Loose connection at foot pedal.4. Overload of drive circuit.	<ol style="list-style-type: none">1. Change.2. Adjust.3. Repair.4. Remove obstruction, put drive pedal in neutral.5. Adjust.
Machine does not move.	<ol style="list-style-type: none">1. Blown fuse.2. Battery unplugged.	<ol style="list-style-type: none">1. Check fuse and replace if necessary.2. Plug in battery.

TROUBLE SHOOTING

<u>PROBLEM</u>	<u>PROBABLE CAUSE</u>	<u>REMEDY</u>
Machine moves slow or erratically	<ol style="list-style-type: none"> 1. Battery charge low 2. Brakes dragging 3. Loose connection at foot pedal 4. Overload of drive circuit 	<ol style="list-style-type: none"> 1. Change 2. Adjust 3. Repair 4. Remove obstruction, put drive pedal in neutral, adjust
Machine does not move	<ol style="list-style-type: none"> 1. Blown fuse 2. Battery unplugged 	<ol style="list-style-type: none"> 1. Check fuse and replace if necessary 2. Plug in battery
Poor water pick up at squeegee	<ol style="list-style-type: none"> 1. Recovery tank full 2. Squeegee is worn or damaged 3. Clogged suction hose or pick up tool 4. Loose connections between suction hose and squeegee 5. Vacuum motors not running 6. Plugged filter 7. Vacuum float cage clogged 8. Vacuum float shut off 9. Air leaks in suction hose and connection 10. Air leaks at recovery tank cover and/or manifold hose 11. Drain hose or drain plug leaking or not closed properly 	<ol style="list-style-type: none"> 1. Empty tank 2. Examine squeegee rubber blade for cuts or worn spots/replace if necessary 3. Disconnect suction hose from squeegee; flush squeegee and hose thoroughly 4. Check all hose connections for looseness or damage 5. Reset circuit breaker or repair loose connection 6. Clean filter element in vacuum manifold 7. Clean perforated metal thoroughly 8. Excessive foam build up; change cleaning chemical mixture (use A-L approved material) 9. Repair or replace hose and connections 10. Repair or replace seal and hose 11. Close, repair or replace drain plug in recovery tank
Water spills from squeegee	<ol style="list-style-type: none"> 1. Side squeegee blades have poor contact with floor 2. Squeegee blades worn or damaged 3. Too much solution being applied before making turns 4. Brushes rotating opposite direction 	<ol style="list-style-type: none"> 1. Readjust blades for proper contact 2. Replace and adjust blades 3. Shut off solution flow 5-10 feet prior to making turn 4. Check position of switches
Squeegee leaves wet spots	<ol style="list-style-type: none"> 1. Lift actuator out of adjustment 2. Squeegee wheels out of adjustment 	<ol style="list-style-type: none"> 1. Adjust 2. Adjust
Squeegee makes excessive noise	<ol style="list-style-type: none"> 1. Blades worn or damaged 	<ol style="list-style-type: none"> 1. Replace

TRIO SCRUBBER DIAGNOSTIC CODES

CODE	PGDT TECHNICAL DESCRIPTION	PROBABLE CAUSE	SERVICE ACTION
0003	EEPROM program checksum error 2	Memory corrupt.	Replace controller if not cleared by disconnecting batteries for 1 minute.
0100	Running checksum 1		
0204	EEPROM program checksum error 1		
0705	2.5V reference error	All 070x codes - Wiring short circuit between Tiller Hi & Lo Ref.	Check for wiring short circuits on the Trio's 20-way connector, the LCD's 16-way connector (if used) & the wiring to front panel switches & controls, and the actual switches & controls.
0706	High switch reference error		
0810	Tiller fault 1	All 081x codes - Throttle wiring short or open circuits. 0816 & 0817 can be caused by incorrect programming of the ISO test parameter.	Check wiring for short circuits or broken wires on Trio's 20-way connector, the LCD's 5-way connector (if used) & the wiring to front panel speed/throttle control, and the actual control.
0811	Tiller maximum wiper difference error		
0812	Tiller maximum pull-down difference error		
0813	Tiller maximum pull-safe difference error		
0814	Tiller reference error		
0815	Tiller lo reference error		
0816	Tiller hi reference ISO error		
0817	Tiller lo reference ISO error		
0818	Tiller error both have readings		
0A01	Power down error	Controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
0B0B	EEPROM Q Overflow		
1310	Excessive current trip		
1500	Brake fault 1	All 150x codes - Check brake & wiring for open or short circuit.	Check the Trio's traction motor connection, check wiring from this connector down to the traction motor, checking all connections along the way. Otherwise, possible fault in traction motor's electro brake or possible controller fault.
1501	Brake fault 2		
1507	Brake overcurrent error		
1600	High battery voltage	Voltage exceeds maximum.	Check for poor or corroded battery connections. Can also be caused by charger being connected.
1704	Relay monitor failure	Possible controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
1705	Relay fault 1		
1706	Relay fault 2		
1800	Watchdog error		
1802	Watchdog voltage reference error		
1B20	Both clamps measuring current		
1B21	Traction phase overflow error		
1D02	Front end spec change	Tiller settings updated in program	Cycle the power by using the key switch.
1E03	Inhibit activated	Inhibit inputs - exact usage dependent on programming.	Remove or correct the cause of inhibit. Otherwise, check all wiring, including Trio 20-way connector for short circuits & breaks. Can also be incorrect machine programming/operation.
1E04	Inhibit activated 2		
2102	Progress counter error	Possible controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
2103	Progress counter error 2		
2C00	Low battery error	Low voltage warning.	Recharge batteries immediately.
2C01	Low battery error 2		

TRIO SCRUBBER DIAGNOSTIC CODES CON'T.

CODE	PGDT TECHNICAL DESCRIPTION	PROBABLE CAUSE	SERVICE ACTION
2C02	Soft battery lockout occurred	Dependent on programming.	Recharge batteries immediately.
2D01	No output drive	Possible controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
2F01	Tiller displace error	Throttle in drive position during switch on.	Incorrect operation of machine. Otherwise, check throttle mechanism condition; all wiring on machine for short circuits or breaks (including Trio 20-way, LCD 16-way if used, front panel switches & controls); actual switches & controls.
3100	Bridge fault 1	All 310x codes - probable short circuit of output device or wiring-can sometimes cause permanent Controller fault.	Check the Traction, Brush & Vac motor connections on Trio; check wiring from these connections down to the motors, also checking wiring all along the way for proper connections and short circuits. Check for the same on Trio's 14-way connector, as well as the wiring else where on the rest of machine. Otherwise, replace controller.
3101	Traction bridge fault		
3102	Brush/Vac bridge fault		
3103	Soft waiting for bridge to charge		
3104	Traction bridge fault 2		
3105	Bridge fault 2	Possible Controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
3201	Minefield mismatch		
3210	No internal timers		
3211	Internal timer out of range		
3212	A to D readings not finished before next read		
3213	Unknown mux channel	Possible Controller fault.	Replace controller if not cleared by disconnecting batteries for 1 minute.
3214	ADC module not ready error		
3601	Test trip latch 1		
3602	Test trip latch 2		
3603	Test trip latch 3		
3608	Test trip latch 8		
3609	Test trip latch 9		
360A	Test trip latch 10		
360B	Test trip latch 11		
360C	Test trip latch 12		
360D	Test trip latch 13		
360E	Test trip latch 14		
7000	Startup with push activated	All 70xx codes-Check wiring of brake & freewheel switch	Check wiring for short circuits on Trio's 20-way connector, the LCD's 16-way connector (if used) & wiring to freewheel switch & switch itself. Check traction motor connection on Trio & wiring from this connector down to electromagnetic brake on traction motor, checking connections all the way. Can be caused by excessive pushing or rolling down an incline or incorrect operation of machine
7001	Push activated in drive mode		
7500	LCD module communications timeout	Wiring fault on 6-way serial link between Trio & LCD.	Check wiring & connections on both Trio & LCD 6-way connectors.
7501	LCD module settings corrupt	LCD memory corrupt	Disconnect batteries & wait 1 minute before reapplying power.
7600	Soft brush motor disconnected error	Open circuit on brush motors or brush motor wiring	Check brush motor connection to Trio & wiring from this connector down to brush motor, checking connections all the way. Otherwise, possible brush motor fault.

TRIO SCRUBBER DIAGNOSTIC CODES CON'T.

CODE	PGDT TECHNICAL DESCRIPTION	PROBABLE CAUSE	SERVICE ACTION
7601	Soft brush current foldback	Brush current overload ("thermal" trip).	Incorrect programming, incorrectly specified brush motor, brush motor developing fault, excessive resistance on brushes or brushes pushing down too hard on floor.
7602	Soft brush current foldback 2	Brush current overload ("magnetic" trip).	Incorrectly specified brush motor; brush motor developing fault.
7603	Soft brush current foldback 3	Possible short circuit on brush motors or wiring.	Check brush motor connection on Trio, check wiring from this connection all the way down to brush motor. Otherwise, possible brush motor fault.
7604	Brush inhibit active	Dependent on programming.	Incorrect software program-check program. Otherwise, possible controller fault.
7700	Soft vacuum motor disconnected error	Open circuit on vac motors or vac motor wiring.	Check vac motor connection at Trio; check this connection down to vac motor & all wiring in between. Otherwise, possible vac motor fault.
7701	Soft vacuum current foldback	Vacuum current overload ("thermal" trip).	Incorrect programming; incorrectly specified vac motor; vac motor developing fault; debris in vac motor or airways blocked by debris.
7702	Soft vacuum current foldback 2	Vacuum current overload ("magnetic" trip).	Incorrect programming; incorrectly specified vac motor; vac motor developing fault.
7703	Soft vacuum current foldback 3	Possible short circuit on vac motor or vac motor wiring	Check vac motor connection at Trio; check this connection down to vac motor & all wiring in between. Otherwise, possible vac motor fault.
7800	Motor fault 1	Open circuit on traction motor or traction motor wiring.	Check traction motor connection on Trio; check wiring from this connector down to traction motor & all connections in between. Otherwise, possible traction motor fault.
7801	Traction over current error	Possible short circuit on traction motor or wiring.	Check traction motor connection on Trio; check wiring from this connector down to traction motor & all connections in between. Otherwise, possible traction motor fault.
7802	Traction motor in foldback state	Traction motor current has exceeded limit for foldback time.	Excessive driving up incline or machine has been up against an obstacle or step.
7900	Emergency stop error	E-stop input active or wiring fault.	Check for wiring short circuits on Trio's 20-way connector, the LCD's 16-way connector (if used) & the wiring to emergency stop switch & switch itself. Otherwise, incorrect operation of machine.
7901	Belly button switch activated	E-stop input active or wiring fault (programmed as belly button).	Check for wiring short circuits on Trio's 20-way connector, the LCD's 16-way connector (if used) & the wiring to emergency stop switch & switch itself. Otherwise, incorrect operation of machine.

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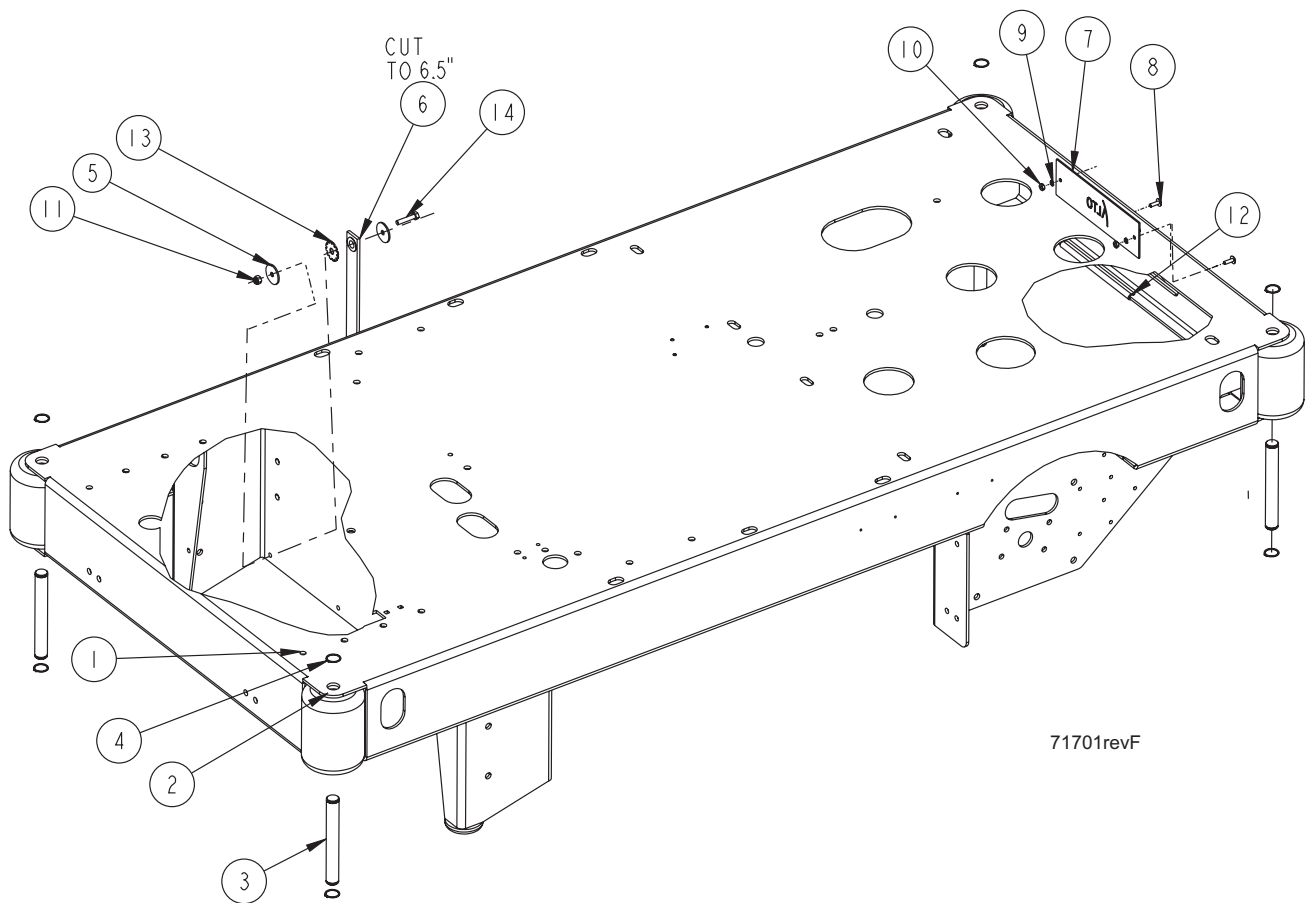
SQUEEGEE LIFT ASSEMBLY (CON'T) 36

STEERING 8

FRAME ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-27-07223	MAIN FRAME WELDMENT
2	4	7-66-05011-1	ROLLER, BUMPER
3	4	7-70-05175	PIN, ROLLER BUMPER
4	8	2-00-00540	RING, RET. EXT.#5100-75 FOR 3/4 D.
5	2	2-00-00447	FLAT WASHER, 1.25 x .281 x .089
6	1	8-79-00030	STATIC STRAP
7	1	7-58-05287	PLATE, DECAL
8	2	2-00-00118	SCREW, #10-24 RHM x .625 LG
9	2	2-00-00519	LOCK WASHER, #10-24 HELICAL SPRING
10	2	2-00-00605	NUT, #10-24 HEX
11	1	2-00-00641	NUT, 1/4-20 FIBER INSERT
12	1	7-21-04050	EDGING
13	1	2-00-03829	LOCK WASHER, 3/8 INT./EXT. TOOTH
14	1	2-00-02587	CAP SCREW, 1/4-20 x 1.25 HEX HEAD

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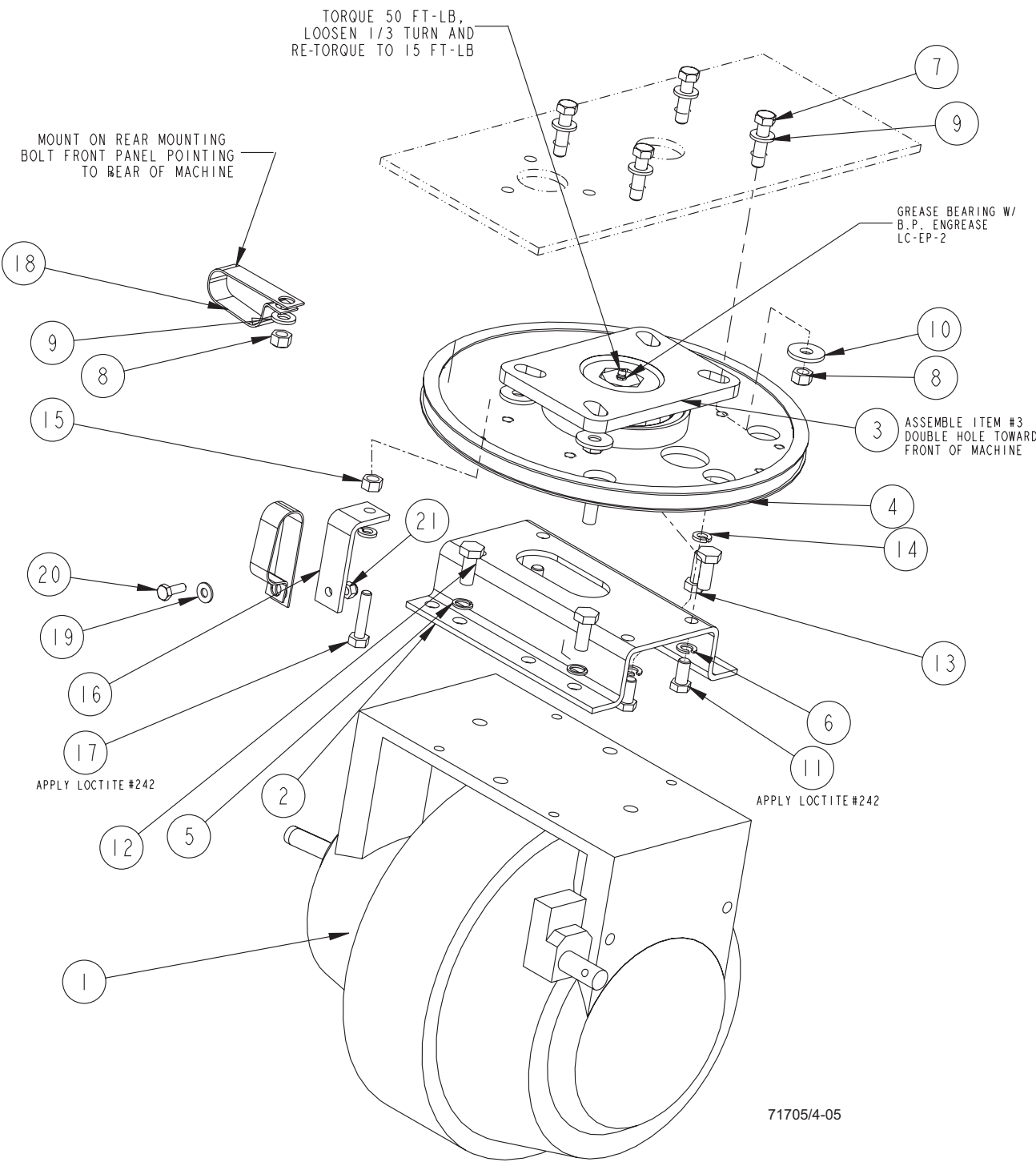
FRONT WHEEL DRIVE

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0785-091	DRIVE ASSY. (AMER motor brushes kit P/N: 0780-596) (TIRE: 7-85-06017)
2	1	7-58-05281	BRACKET, DRIVE MTG
3*~	1	56109177	STEERING SPROCKET ASSEMBLY
4	1	7-13-05065	STEERING CHAIN
5	4	2-00-02311	LOCK WASHER, 7/16 MEDIUM
6	4	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
7	4	2-00-00234	SCREW, 3/8-16 x 1-1/2 HHC
8	5	2-95-04182	HEX NUT, 3/8-16 STOP
9	5	2-00-00402	WASHER, 25/64" ID X 3/4" OD
10	4	2-00-01803	WASHER, 1.063 x .328 x .063
11	4	2-00-04625	SCREW, 3/8-24 x .75 LG
12	4	2-00-05006	BOLT, M10 x 1.5 x 25mm FIN. HEX HEAD
13	1	2-00-02708	SCREW, 5/16-18 x 1.00" HEX HEAD
14	2	2-00-00530	LOCK WASHER, 5/16"
15	1	2-00-02360	HEX NUT, 3/8-16
16	1	8-31-07013	HANGER, MOTOR LEAD WIRE
17	1	2-00-02709	SCREW, 5/16-18 x 1.5, FULL THREAD HHC
18	2	2-00-05253	CLAMP, 3/4" DOUBLE WIRE
19	1	2-00-03702	WASHER, .625 x .281 x .063
20	1	2-00-00221	BOLT, 1/4-20 x 3/4 FIN. HEX HEAD
21	1	2-00-00641	NUT, 1/4-20 FIBER INSERT

*TO BE ASSEMBLED AS SHOWN WITH DOUBLE HOLE TOWARDS FRONT OF MACHINE.

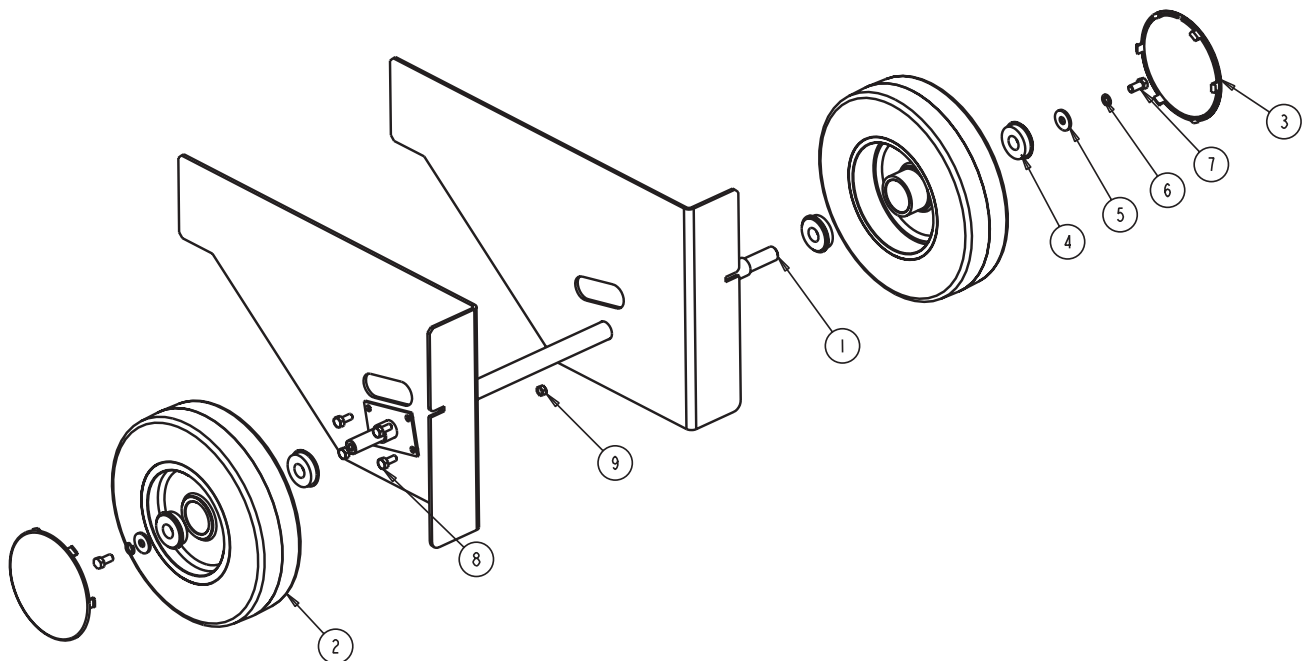
~INDIVIDUAL COMPONENT PARTS AVAILABLE AS SERVICE ITEMS INCLUDE:

2-00-05120	LOCKNUT, FIBER INSERT	(1)
2-00-05951	BOLT, BEARING ASSY.	(1)



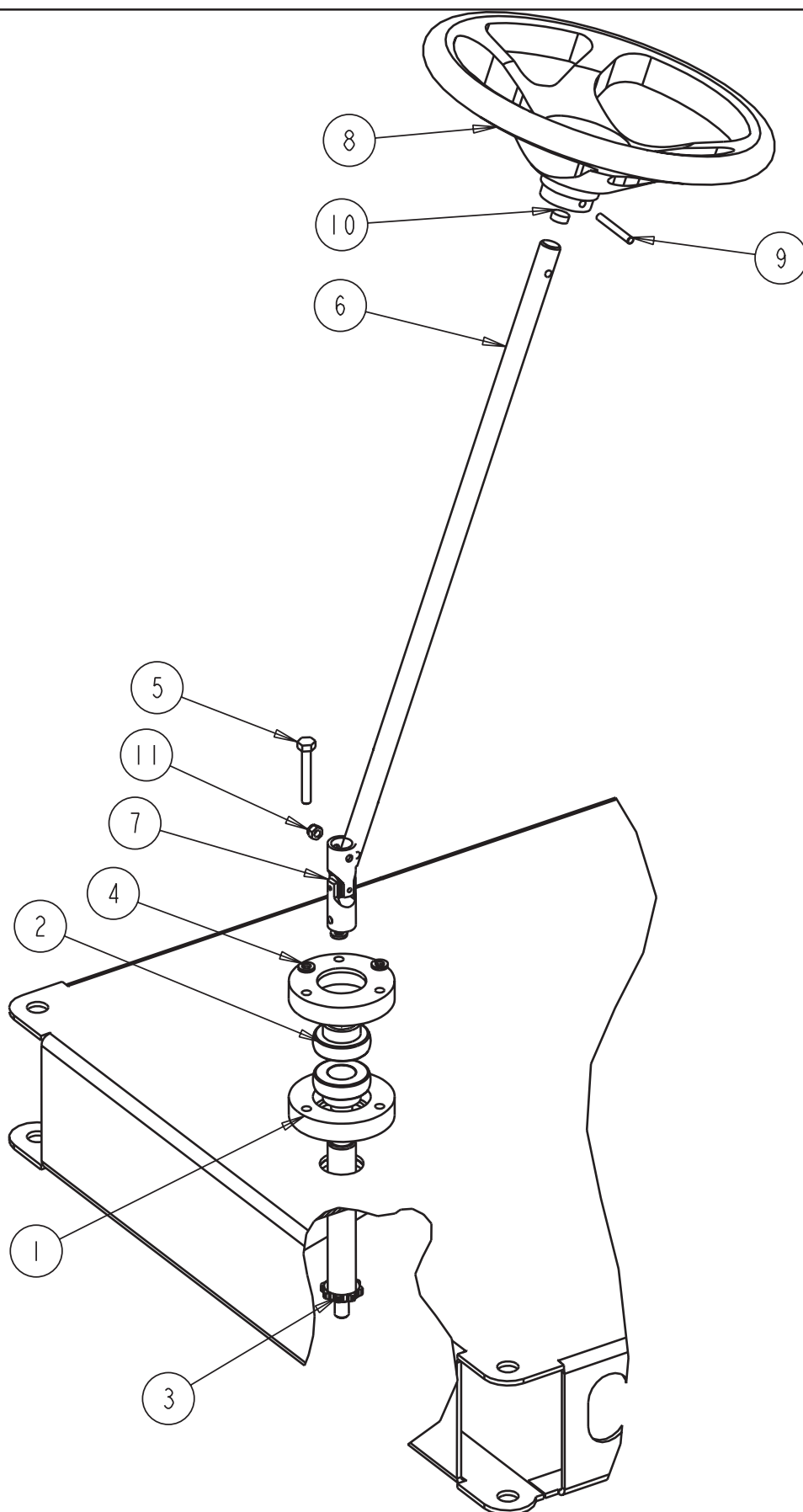
REAR WHEEL ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-03-09015	AXLE, REAR WHEELS
2	2	7-89-08096	WHEEL, REAR
3	2	34711B	COVER, WHEEL
4	4	2-00-04636	BEARING
5	2	2-00-03266	WASHER
6	2	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
7	2	2-00-00232	BOLT, 3/8-16 FIN. HEX HEAD
8	4	2-00-00208	SCREW, 5/16-18 x .750 HHC
9	4	2-00-00644	HEX NUT, 5/16-18 FIBER INSERT



STEERING

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	7-25-06031	FLANGE - STEERING MOUNT
2	2	2-00-05159	BEARING
3	1	7-70-05182	SHAFT-STEERING
4	3	2-00-00530	5/16" LOCK WASHER
5	3	2-00-00227	SCREW, 5/16-18 HHC X 2-1/2 LG
6	1	7-70-05176	SHAFT-STEERING WHEEL
7	1	7-37-00001	UNIVERSAL JOINT
8	1	7-89-08083	STEERING WHEEL
9	1	2-00-05417	ROLL PIN (1/4 DIA. X 2 LG.)
10	1	7-75-01196	SPACER-STEERING WHEEL
11	2	2-00-00641	NUT, FIBER INSERT 1/4-20

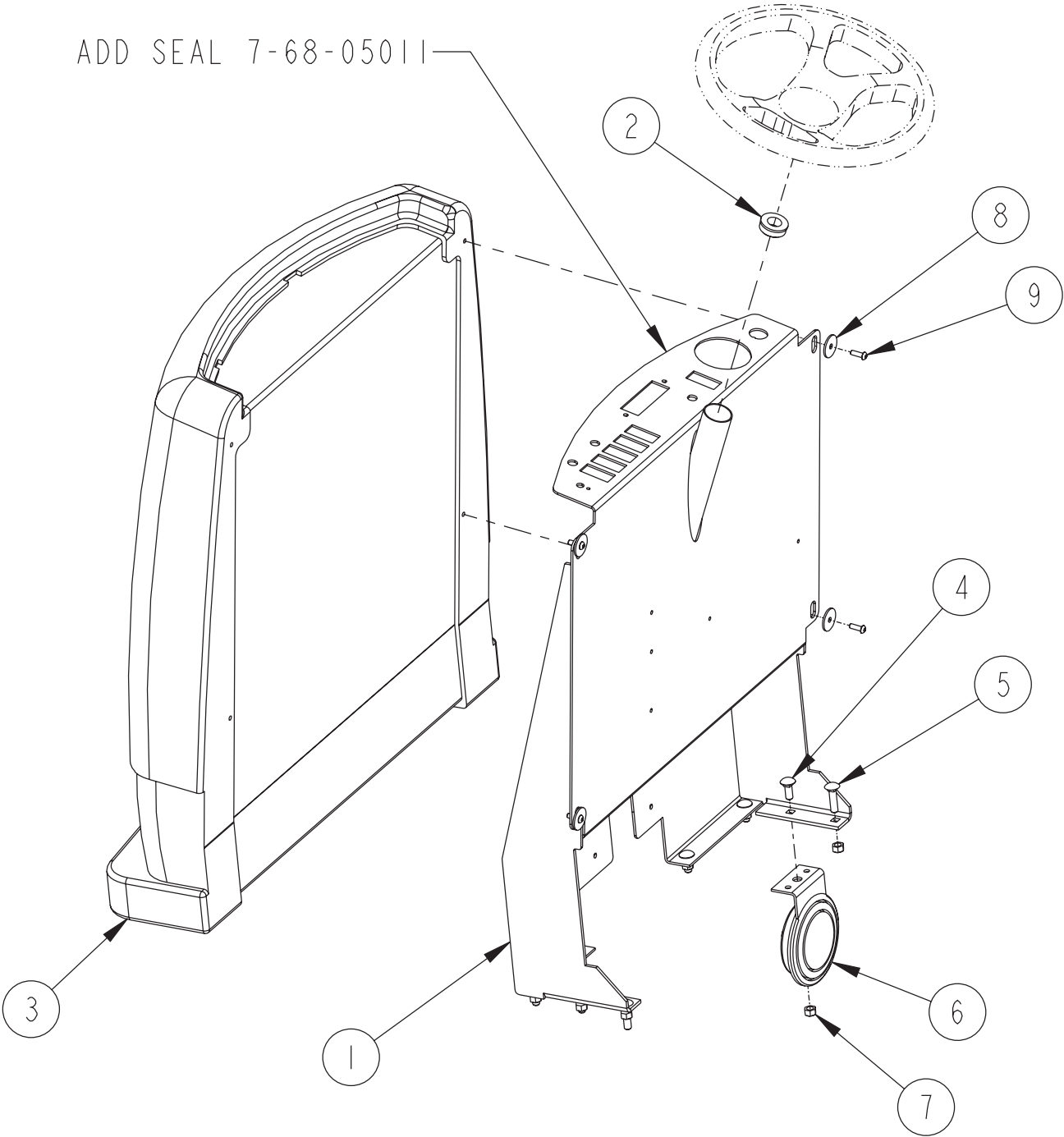


CONSOLE ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-52-00192	FRONT CONTROL PANEL
2	1	8-06-01084	BEARING-PLASTIC
3*	1	7-33-05121	CONSOLE
4	6	2-00-03855	3/8-16 x 1.0, CARRAGE BOLT
5	2	2-00-03750	3/8-16 x 1.5 CARRIAGE BOLT
6	1	8-32-09008	HORN
7	8	2-95-04182	NUT, HEX, STOP, 3/8-16
8	4	2-00-00447	FLAT WASHER, 1.25 x .281 x .089
9	4	2-00-04880	SCREW, 1/4-20 x 3/4 BHS GR 8 ZN

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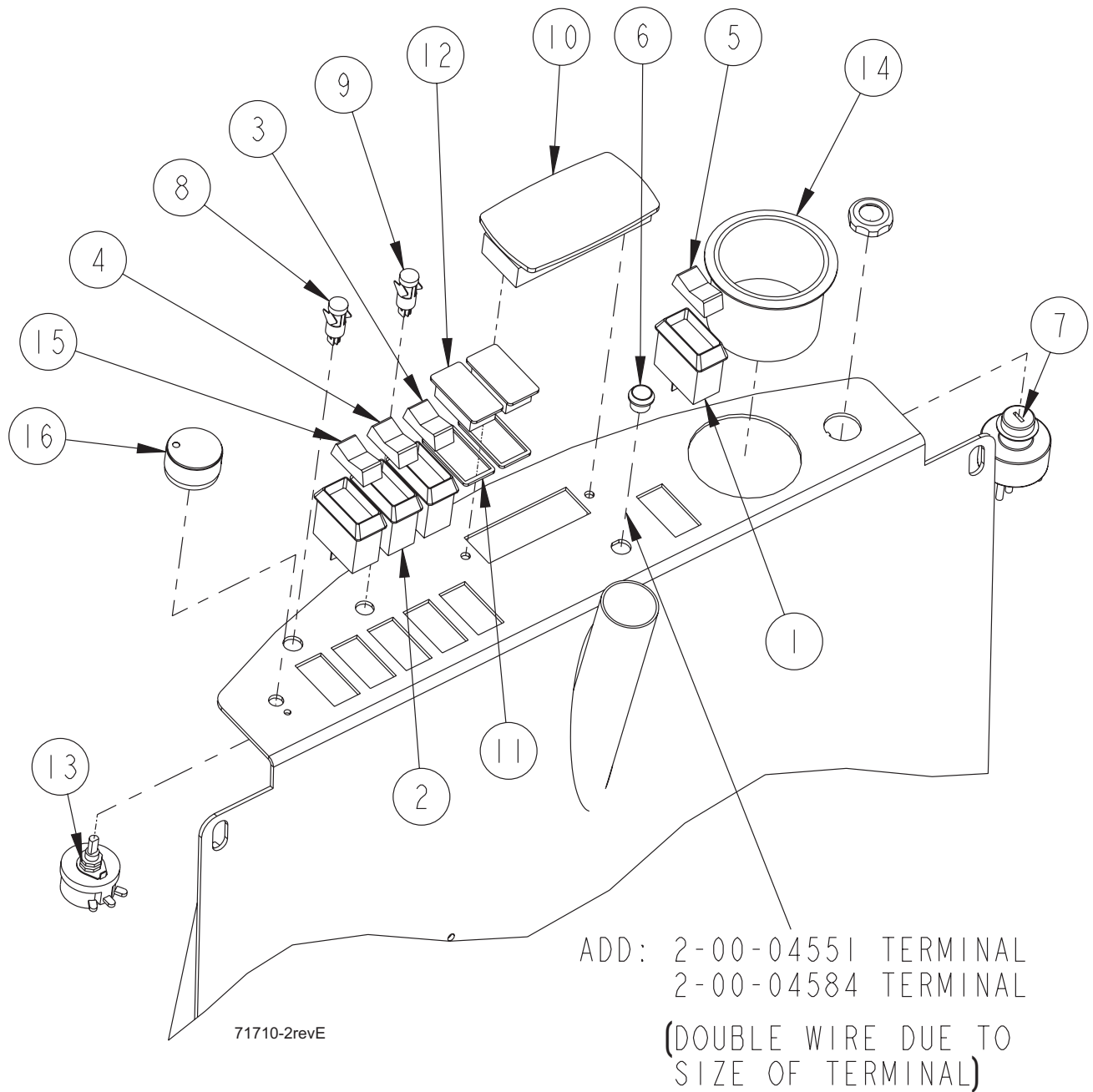
*IF YOU ARE REPLACING ITEM #3, YOU MUST ALSO ORDER:
1 OF 8-18-00525 (AMERICAN-LINCOLN LOGO DECAL)
(REFERENCE PAGE 2-50 IN THIS MANUAL FOR PLACEMENT)



CONSOLE ASSEMBLY CON'T.

ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	2-00-05845	SWITCH BODY, SPDT
2	1	2-00-05846	SWITCH BODY, SCRUB PRESSURE
3	1	2-00-05842	ACTUATOR, SQUEEGEE
4	1	2-00-05843	ACTUATOR, SCRUB PRESSURE
5	1	2-00-05834	ACTUATOR, FORWARD/REVERSE
6	1	2-00-05870	SWITCH, BLACK BUTTON
7	1	8-82-00041	KEY SWITCH (IGNITION) - (Ignition Key: 2-60-02272)
8	1	7-40-05037	LIGHT-RED
9	1	7-40-05038	LIGHT-AMBER
10	1	7-64-05018	INTERFACE, LCD
11	2	2-00-05869	GASKET, SWITCH
12	2	2-00-05868	SWITCH PLUG, SEALED PANEL
13	1	0795-280	RHEOSTAT, SOLUTION FLOW ASSY
14	1	7-32-03026	HOLDER, CUP
15	1	2-00-05844	ACTUATOR, SCRUB MODE
16	1	7-39-00028	KNOB-SOLUTION FLOW MODULE

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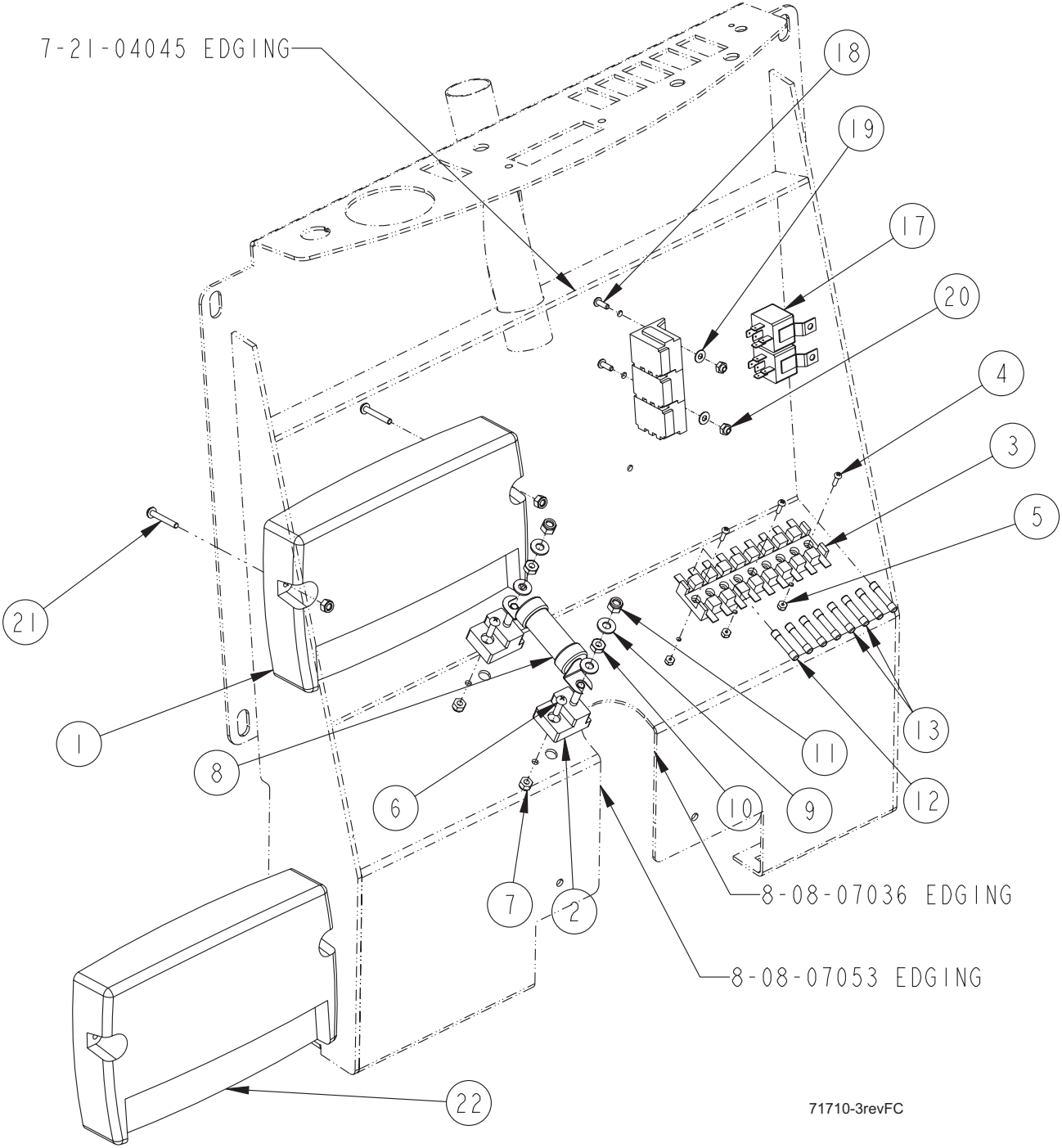


71710-2revE

CONSOLE ASSEMBLY CON'T.

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-64-05019	CONTROLLER, MOTOR (DISC SCRUB ONLY)
2	2	8-06-05004	TERMINAL BLOCK
3	1	2-00-05862	FUSE BLOCK
4	3	2-00-00066	SCREW, 6-32 x .50 RHM
5	3	2-00-00645	NUT, 6-32 FIBER INSERT HEX
6	2	2-00-00056	SCREW, #10-24 x .75 RHM
7	4	2-00-01246	NUT-#10-24 ELASTIC STOP NUT
8	1	8-28-05021	FUSE, 120 AMP
9	4	2-00-03702	WASHER, .625 x .281 x .063
10	2	2-00-00594	NUT, 1/4-20 HEX
11	2	2-00-00641	NUT, FIBER INSERT 1/4-20
12	6	2-00-05860	FUSE, GLASS, 10 AMP
13	2	2-00-05861	FUSE, GLASS, 2 AMP
14	1	0795-169	MACHINE HARNESS
15	1	0795-175	MOTOR WIRE ASSEMBLY
16	1	0795-176	POWER HARNESS
17	2	8-64-00019	RELAY-36V
18	2	2-00-00044	SCREW, 8-32 x 1/2 RHM
19	2	2-00-00460	FLAT WASHER, .438 x .192 x .031
20	2	2-00-01372	NUT, HEX, #8-32 FIBER LOCK
21	2	2-00-00071	SCREW, 10-24 x 1.25 LG
22	1	7-64-05022	CONTROLLER, MOTOR (CYLINDRICAL SCRUB ONLY)

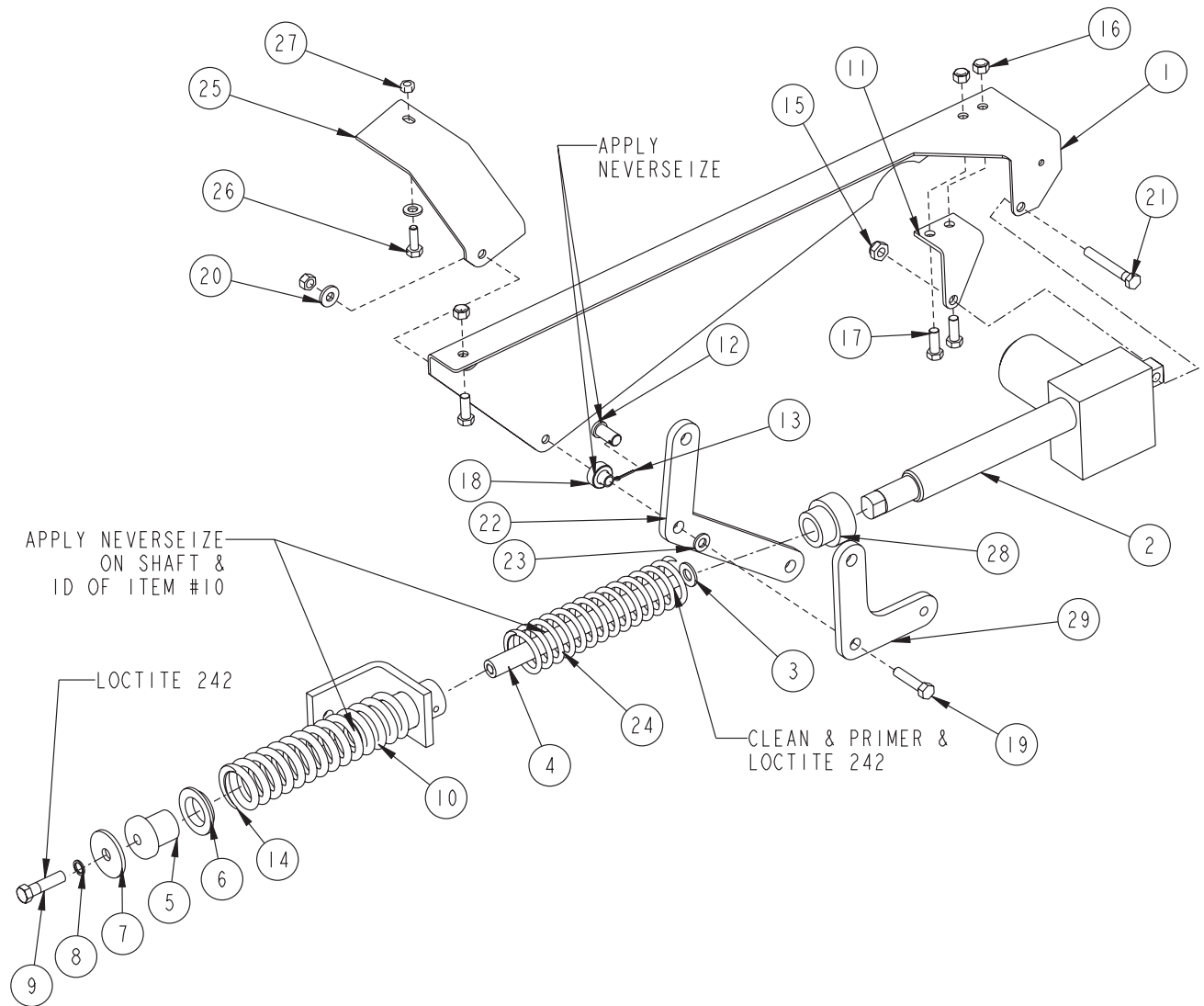
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SCRUB DECK LIFT

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-81-00264	SUPPORT, ACTUATOR
2*	1	0782-182	ACTUATOR
3	4	2-00-00405	FLAT WASHER, 1.063 x .531 x .094
4	1	7-66-00203	ROD, BRUSH SPRING
5	1	7-09-01157	BUSHING
6	1	7-23-03120	WASHER, SPRING GUIDE
7	1	2-00-05414	FLAT WASHER, 2.00 OD X .515 ID X .167 THK
8	1	2-00-02311	LOCK WASHER, 7/16 MEDIUM
9	1	2-00-02611	BOLT, 7/16-14 X 1.75
10	1	7-03-04238	ARM, PIVOT
11	1	7-57-05069	PIVOT, BRUSH ACTUATOR
12	1	7-55-08158	PIN, BRUSH LIFT PIVOT
13	1	2-00-02428	COTTER PIN, .062 DIA x .75 LG
14	1	7-76-00128	SPRING, DECK LIFT
15	1	2-00-00643	LOCK NUT, 3/8-16 ELASTIC
16	4	2-95-04182	NUT, 3/8-16 HEX STOP
17	3	2-00-00233	BOLT, 3/8-16 x 1.0 FIN. HEX HEAD
18	1	7-09-01159	BUSHING, DECK ACTUATOR PIVOT
19	1	2-00-00235	SCREW, 3/8-16 x 1.75 HHC
20	1	2-00-04801	FLAT WASHER, 1.0 x .39 x .06
21	1	2-00-04699	SCREW, 3/8-16 x 2.75 LG HHC
22	1	7-03-04239	ARM, DECK (DISC SCRUB ONLY)
23	2	2-00-00402	WASHER, 25/64" ID x 3/4" OD
24	1	7-76-00129	SPRING, DECK LIFT ACTUATOR (51LB/IN)
25	1	7-08-02053	BRACKET, DECK LIFT
26	1	2-00-02708	SCREW, 5/16-18 x 1.0 HEX HEAD
27	1	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
28	1	7-75-01272	SPACER, SPRING
29	1	7-03-04244	ARM, ACTUATOR (CYLINDRICAL SCRUB ONLY)

*SERVICE KIT IS P/N 0780-654 AND INCLUDES: 0782-182 ACTUATOR
 7-75-01272 SPACER

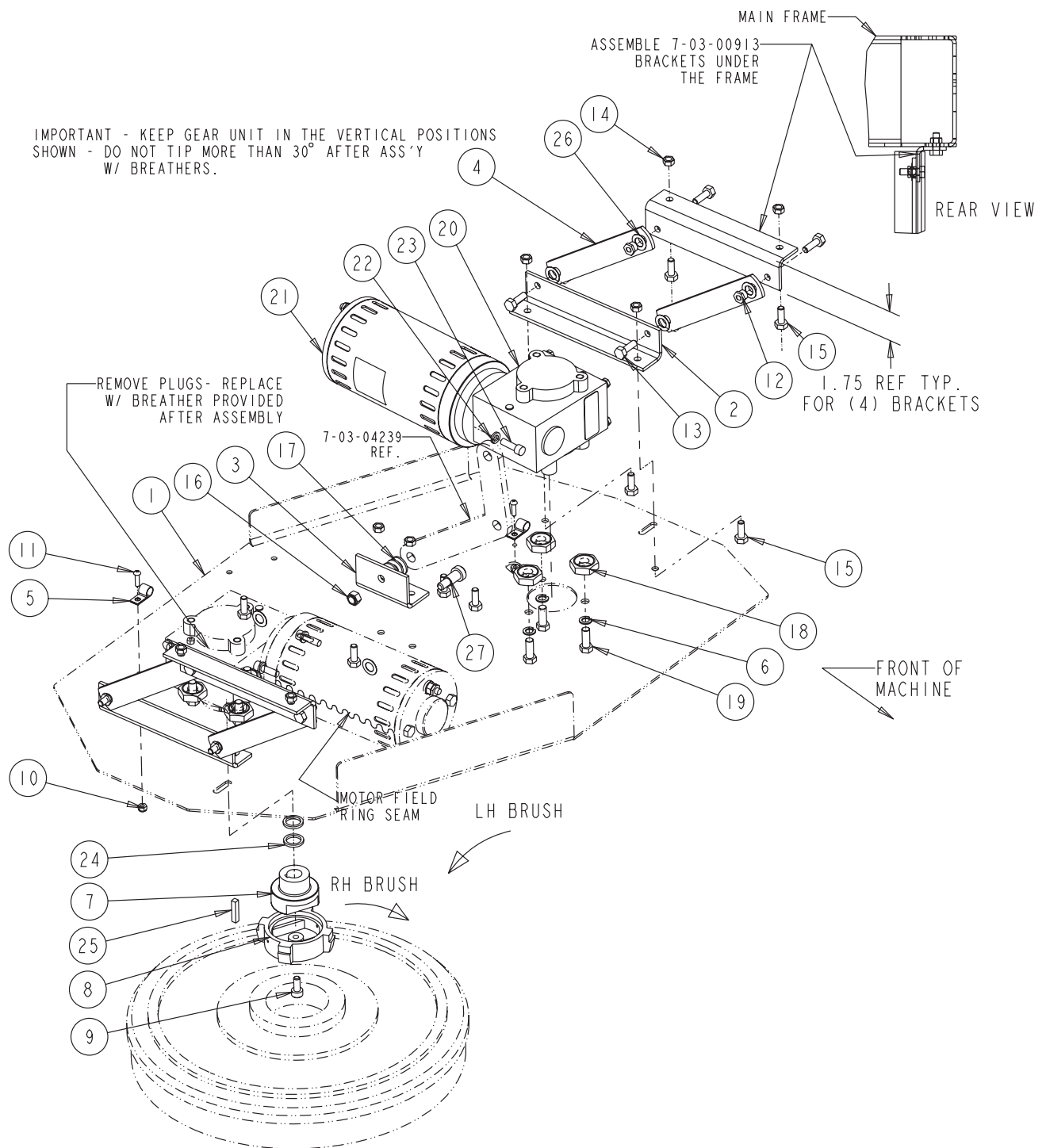


SCRUB DECK ASSEMBLY (34")

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-27-07191-1	SCRUB DECK (34")
2	4	7-08-00913	BRACKET, BRUSH ARM
3	1	7-08-00914	BRACKET, BRUSH LOAD
4	4	7-03-04176	LINK, BRUSH FRAME
5	2	2-00-04602	CLAMP
6	6	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
7	2	7-33-09034	HUB, BRUSH DRIVER
8	2	7-20-00006	BRUSH DRIVER (MALE W/ HUB)
9	2	2-00-03214	CAP SCREW, 5/16-18 x 3/4 LG SOCKET HEAD
10	2	2-00-01246	NUT, #10-24 ELASTIC STOP
11	2	2-00-00056	SCREW, #10-24 x .75 RHM
12	8	7-23-03056	NUT
13	8	2-00-02708	SCREW, HEX HEAD, 5/16-18 x 1.00"
14	10	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
15	10	2-00-01255	SCREW, 5/16-18 X 7/8 HEX HEAD
16	1	2-00-05297	NUT, 3/8-16 FIBER INSERT
17	3	2-00-00405	FLAT WASHER, 1.063 x .531 x .094
18	6	2-00-00596	NUT, 1/2-13 HEX HEAD
19	6	2-00-00233	BOLT, 3/8-16 x 1.0 FIN. HEX HEAD
20	2	0785-088	REDUCER ASSY (RATIO 18.5 TO 1)
21	2	0782-144	BRUSH MOTOR (Motor brushes replacement kit: 0780-582)
22	4	2-00-00530	LOCK WASHER, 5/16
23	4	2-00-00809	SCREW, HSHC .31-18 x 1.00
24	4	2-00-03169	SPACER
25	2	2-00-00706	KEY, 1/4" SQ. x 1 1/4
26	8	2-00-03382	SPRING WASHER
27	1	2-00-05401	SCREW, 3/8-16 SOCKET HEAD HEX

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SCRUB DECK ASSEMBLY (34")

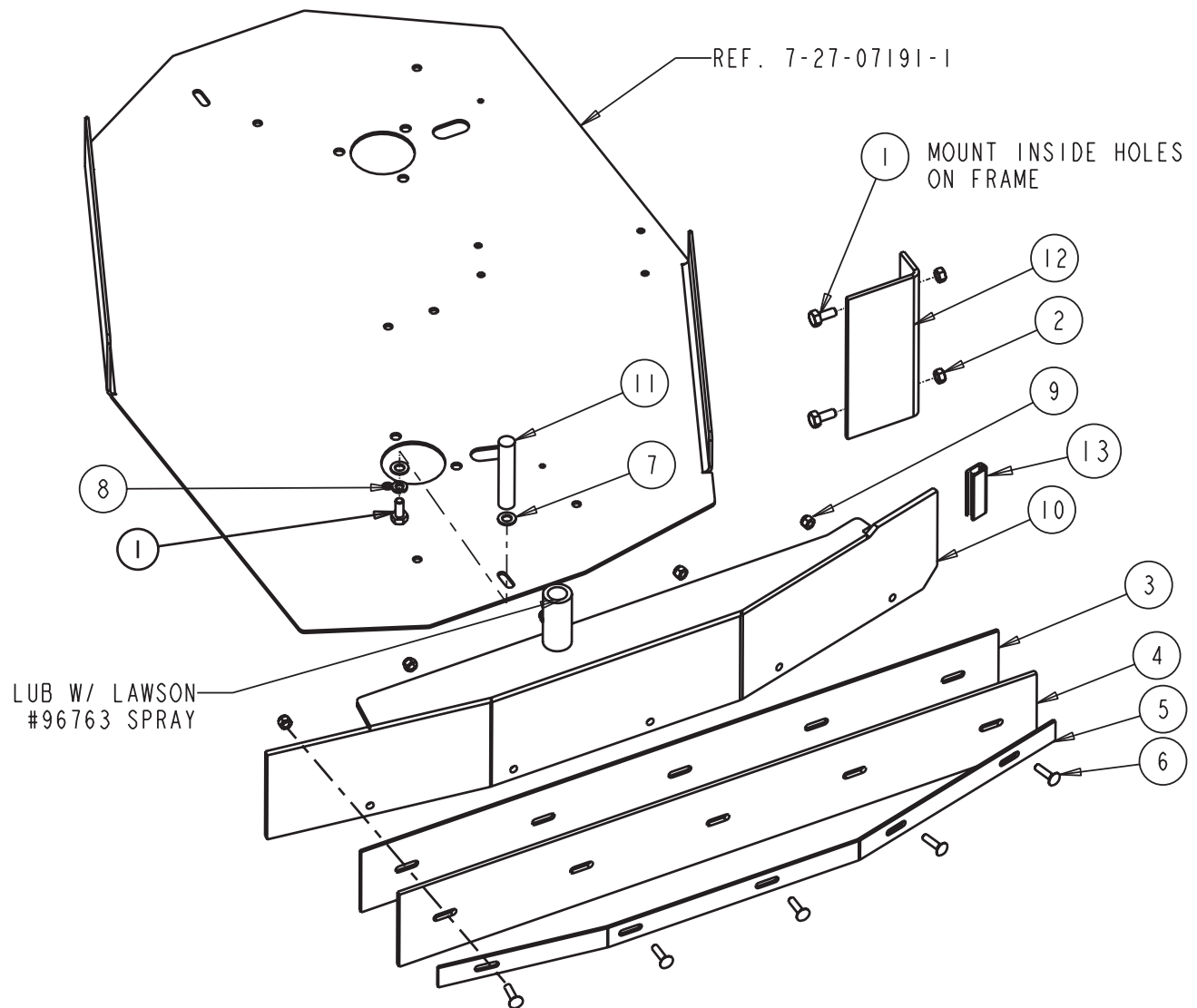


SIDE SQUEEGEE ASSEMBLY (34" LH)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	2-00-00208	SCREW, 5/16-18 x .750 HHC
2	2	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
3	1	7-77-00119	RUBBER, LH SIDE SQUEEGEE (INNER)
4	1	7-77-00120	RUBBER, LH SIDE SQUEEGEE (OUTER)
5	1	7-13-07183	CLAMP, LH SIDE SQUEEGEE (34)
6	5	2-00-02196	CARRIAGE BOLT, 1/4-20 LG
7	2	2-00-00409	FLAT WASHER, .687 x .344 x .062
8	1	2-00-00530	5/16" LOCK WASHER
9	5	2-00-00641	NUT, FIBER INSERT 1/4-20
10	1	7-86-08074	TOOL, LH SIDE SQUEEGEE (WELDED) (34")
11	1	7-55-08180	PIN, SIDE SQUEEGEE LOCK
12	1	7-08-01169	BRACKET, SIDE SQUEEGEE
13	1	7-21-04042	EDGING

71707-2revF

SIDE SQUEEGEE ASSEMBLY (34" LH)

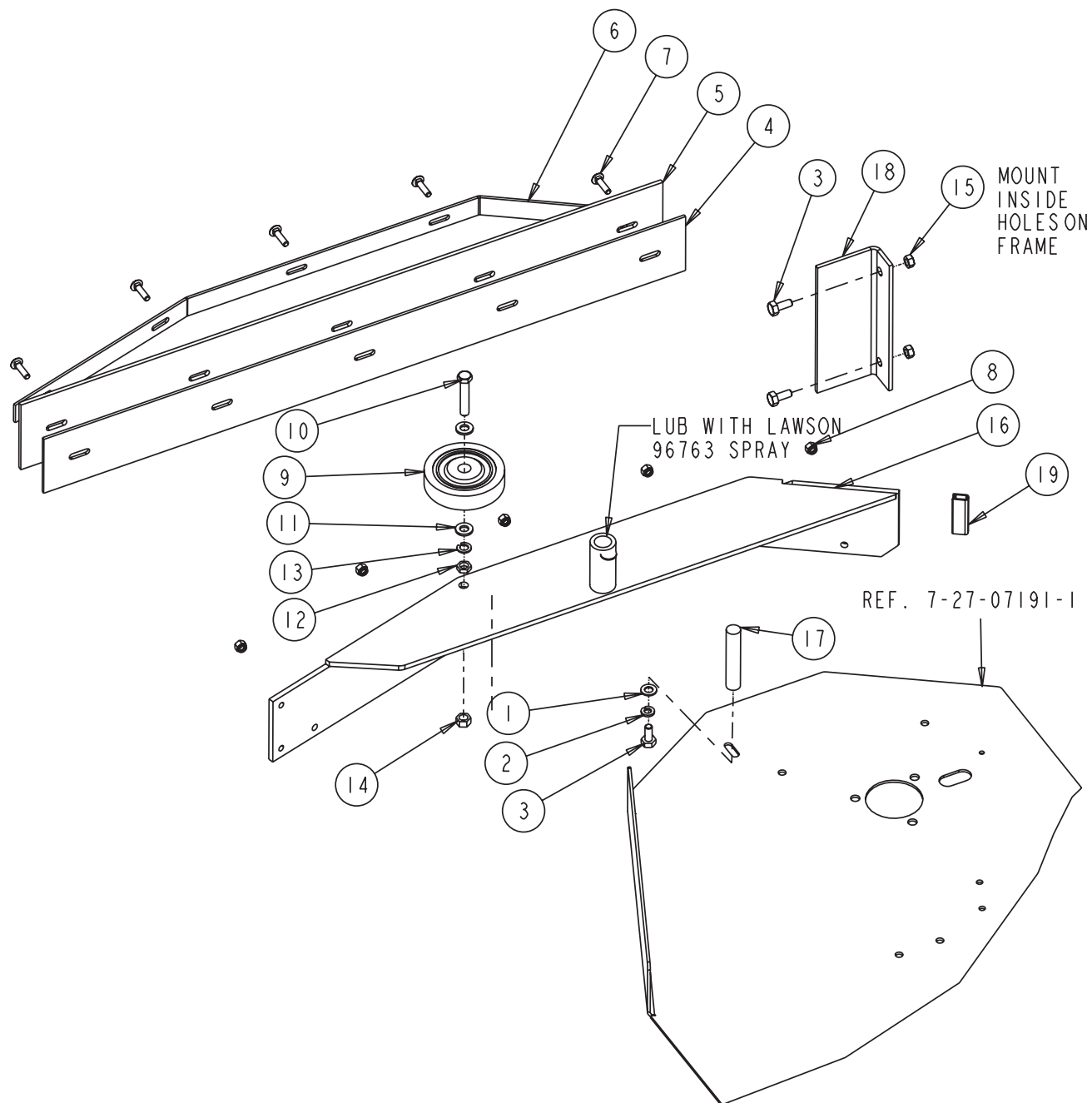


SIDE SQUEEGEE ASSEMBLY (34" RH)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	2-00-00409	FLAT WASHER, .687 x .344 x .062
2	1	2-00-00530	5/16" LOCK WASHER
3	3	2-00-00208	SCREW, 5/16-18 x .750 HHC
4	1	7-77-00118	RUBBER, RH SIDE SQUEEGEE (INNER)
5	1	7-77-00121	RUBBER, RH SIDE SQUEEGEE (OUTER)
6	1	7-13-07182	CLAMP, RH SIDE SQUEEGEE (34 + 38)
7	5	2-00-02196	CARRIAGE BOLT, 1/4-20 LG
8	5	2-00-00641	NUT, 1/4-20 FIBER INSERT
9	1	7-89-08023	WHEEL
10	1	2-00-00216	BOLT, 3/8-16 X 2.0 HEX HEAD
11	2	2-00-00402	WASHER, 25/64" ID X 3/4" OD
12	1	2-00-02369	NUT, 3/8-16
13	1	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
14	1	2-00-02360	NUT, 3/8-16 HEX
15	2	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
16	1	7-86-08075	TOOL, RH SIDE SQUEEGEE (WELDED) (34 IN.)
17	1	7-55-08180	PIN, SIDE SQUEEGEE LOCK
18	1	7-08-01169	BRACKET, SIDE SQUEEGEE
19	1	7-21-04042	EDGING

71707-3revF

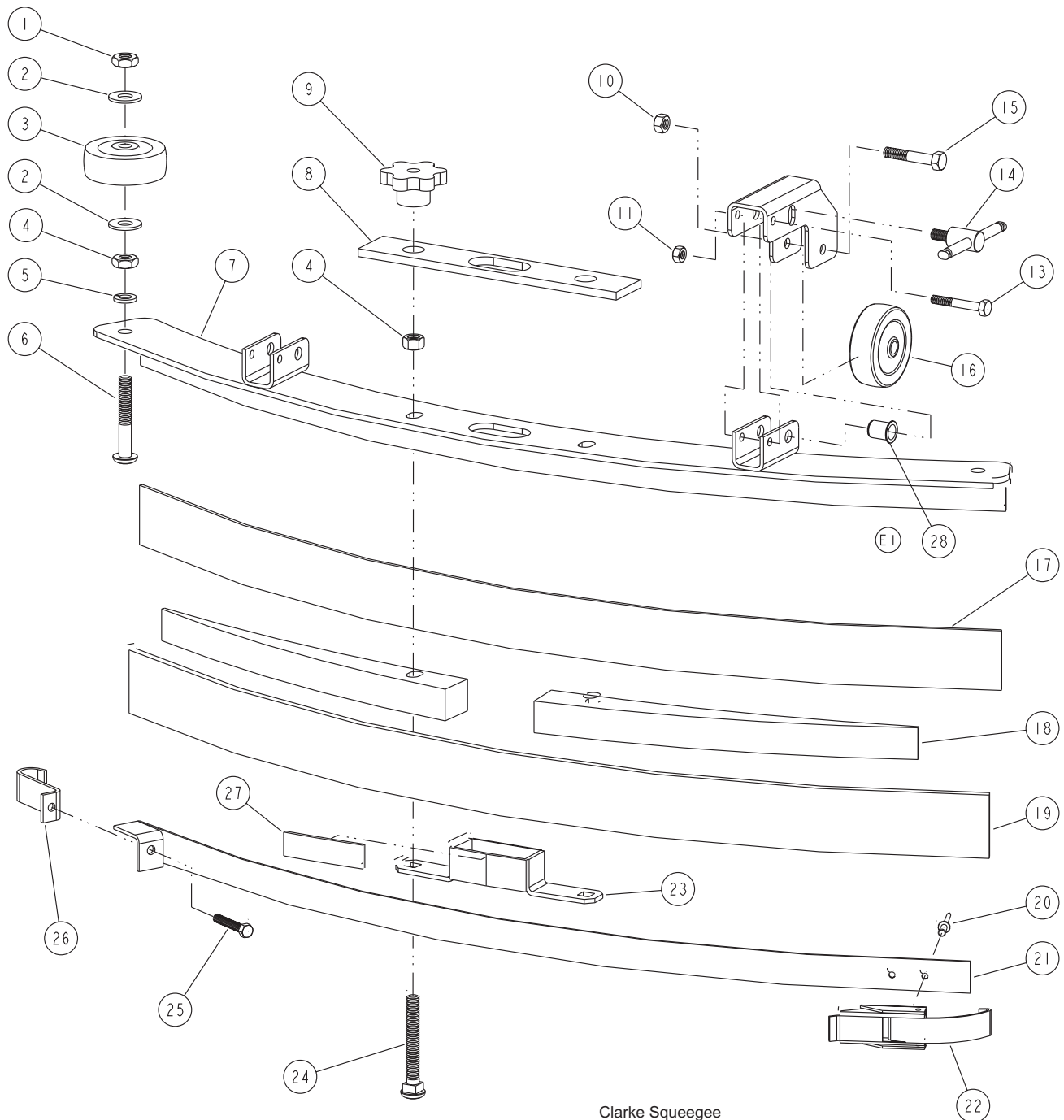
SIDE SQUEEGEE ASSEMBLY (34" RH)



REAR SQUEEGEE ASSEMBLY (34")

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	920248	JAM NUT, 3/8-16 LOW PROFILE
2	4	980645	FLAT WASHER, 3/8
3	2	59950A	GUIDE WHEEL
4	6	81301A	JAM NUT, 3/8-16
5	2	980638	WASHER, 3/8 LT SPRING
6	2	85610A	SCREW, 3/8-16 x 2.50
7	1	69674A	WELDMENT, SQUEEGEE FRAME
8	1	34260B	GASKET, SQUEEGEE
9	2	25201A	KNOB, CLAMPING
10	2	920110	LOCK NUT, 5/15
11	2	81104A	LOCK NUT, 1/4
12	2	65975A	BRACKET, WHEEL MOUNT
13	2	85705A	SCREW, 1/4 x 1.75 HEX
14	2	64905A	"T" HANDLE
15	2	85816A	SCREW, 5/16-18 x 1.75 HEX
16	2	59971A	WHEEL, GUIDE
17	1	30953A	BLADE, INNER RIBBED
18	2	38711A	SPACER, SQUEEGEE
19	1	30913A	BLADE, OUTER
20	2	170932	RIVET, 3/16 SS POP
21	1	62443A	WELDMENT, CLAMP
22	1	55722A	LATCH, HOLDING
23	1	62712A	AIR DUCT
24	2	80011A	SCREW, 3/8-16 x 3.0 CARRIAGE
25	1	86004A	SCREW, 1/4-20 x 1.50 HEX
26	1	62421A	END CLAMP
27	1	37016A	GRIP PAD
28	2	54766A	INSERT, 5/16-24 THREADED

REAR SQUEEGEE ASSEMBLY (34")



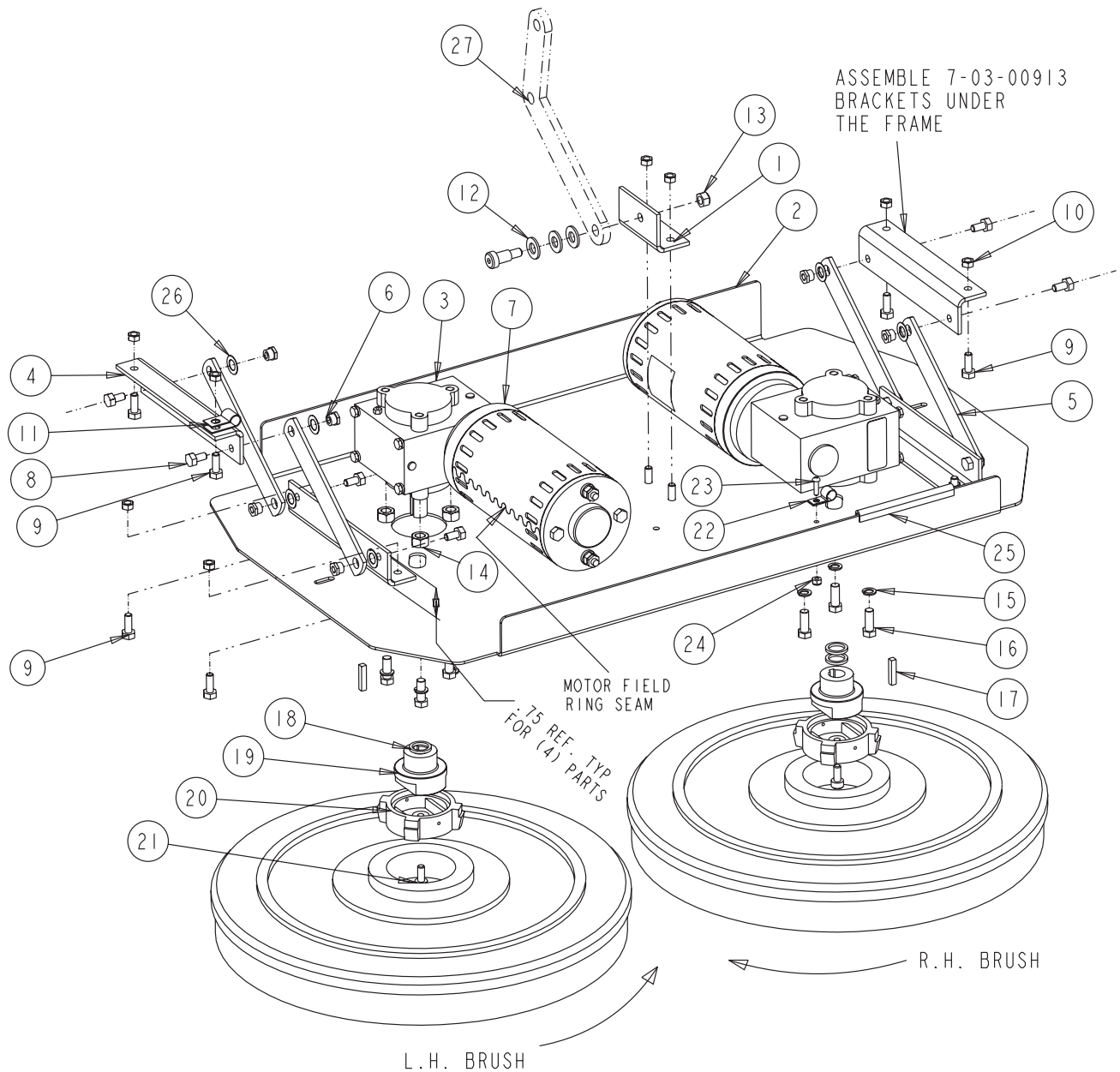
Clarke Squeegee

SCRUB DECK ASSEMBLY (38")

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-08-01149	BRACKET, 38" SCRUB DECK
2	1	7-27-07192-1	SCRUB DECK (38")
3	2	0785-088	REDUCER ASSY (RATIO 18.5 TO 1)
4	4	7-08-00913	BRACKET, BRUSH ARM
5	4	7-03-04176	LINK, BRUSH FRAME
6	8	7-23-03056	NUT
7	2	0782-144	BRUSH MOTOR (Motor brushes replacement kit: 0780-582)
8	8	2-00-00213	SCREW, .313 x .625 HHC
9	10	2-00-01255	SCREW, 5/16-18 X 7/8 LG HEX HEAD
10	9	2-00-00644	HEX NUT, 5/16-18 INSERT FIBER
11	1	2-00-04873	CABLE CLAMP
12	3	2-00-00405	FLAT WASHER, 1.063 x .531 x .094
13	1	2-00-05297	NUT, 3/8-16 FIBER INSERT
14	6	2-00-00596	HEX NUT, 1/2-13
15	6	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
16	6	2-00-00233	BOLT, HEX HEAD, FINISHED, 3/8-16 x 1.00
17	2	2-00-00706	1/4" SQ. x 1 1/4 KEY
18	4	2-00-03169	SPACER
19	2	7-33-09034	HUB BRUSH DRIVER
20	2	7-20-00006	BRUSH DRIVER-MALE WITH HUB
21	2	2-00-03214	SCREW, SOCKET HEAD CAP, 5/16-18 X 3/4 LG
22	1	2-00-04602	CLAMP
23	1	2-00-00056	SCREW, #10-24 X .75 RHM
24	1	2-00-01246	NUT, #10-24 ELASTIC STOP
25	1	8-21-04016	BUMPER
26	REF.	2-00-03382	SPRING WASHER
27	REF.	7-03-04239	ARM, DECK

70719-1revC

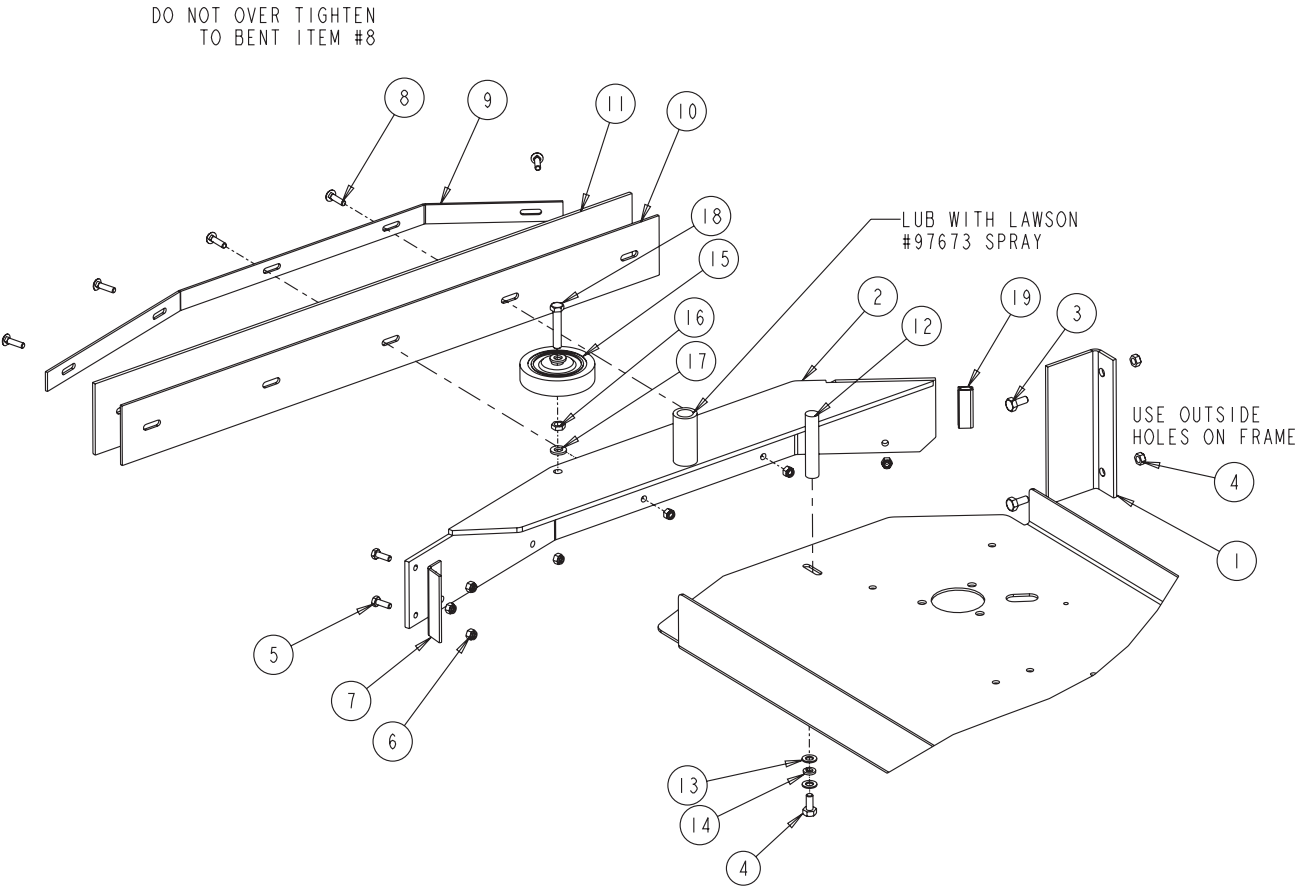
SCRUB DECK ASSEMBLY (38")



SIDE SQUEEGEE ASSEMBLY (38"RH)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-08-01169	BRACKET, SIDE SQUEEGEE
2	1	7-86-08075	TOOL, RH SIDE SQUEEGEE (WELDED) (34 + 38)
3	3	2-00-00208	SCREW, 5/16-18 x .750 HHC
4	2	2-00-00644	NUT, HEX, INSERT FIBER, 5/16-18
5	2	2-00-00221	BOLT, 1/4-20 x 3/4 LG FIN. HEX HEAD
6	7	2-00-00641	NUT, 1/4-20 FIBER INSERT
7	1	7-08-07106	BRACKET, 38 SQUEEGEE SPACER
8	5	2-00-02196	CARRIAGE BOLT, 1/4-20 LG
9	1	7-13-07182	CLAMP, RH SIDE SQUEEGEE (34 + 38)
10	1	7-77-00118	RUBBER, RH SIDE SQUEEGEE (INNER)
11	1	7-77-00121	RUBBER, RH SIDE SQUEEGEE (OUTER)
12	1	7-55-08180	PIN, SIDE SQUEEGEE LOCK
13	2	2-00-00409	FLAT WASHER, .687 x .344 x .062
14	1	2-00-00530	LOCK WASHER, 5/16
15	1	7-89-08023	WHEEL
16	1	2-00-02369	NUT, 3/8-16
17	2	2-00-00402	WASHER, 25/64 ID x 3/4 OD
18	1	2-00-00216	BOLT, 3/8-16 x 2.0 HEX HEAD
19	1	7-21-04042	EDGING

71719-3revE

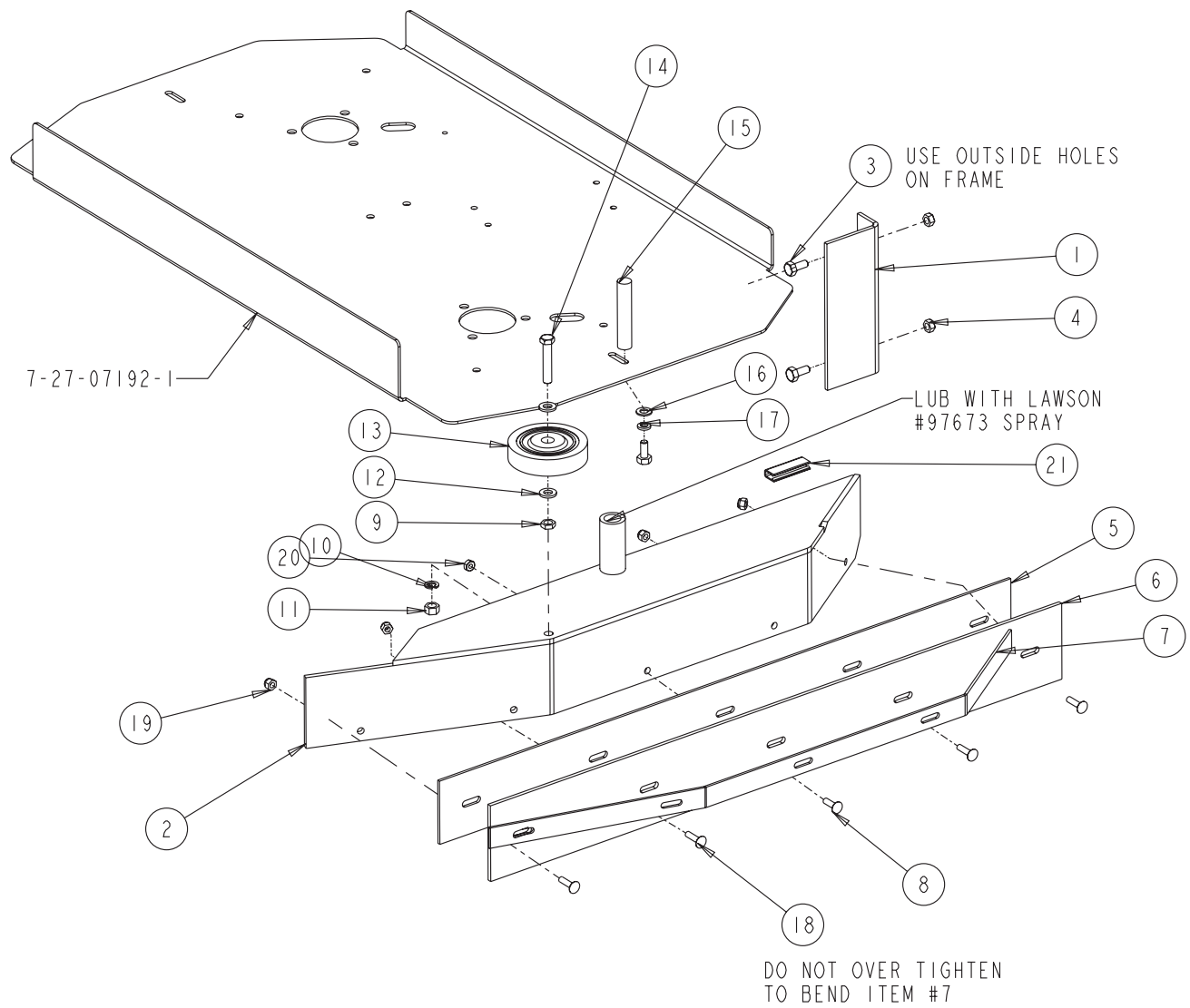


SIDE SQUEEGEE ASSEMBLY (38" LH)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-08-01169	BRACKET, SIDE SQUEEGEE
2	1	7-86-08076	TOOL, LH SIDE SQUEEGEE (WELDED) (38")
3	3	2-00-00208	SCREW, 5/16-18 x .750 HHC
4	2	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
5	1	7-77-00119	RUBBER-LH SIDE SQUEEGEE (INNER)
6	1	7-77-00120	RUBBER-LH SIDE SQUEEGEE (OUTER)
7	1	7-13-07182	CLAMP- RH SIDE SQUEEGEE (34 + 38)
8	1	2-00-05979	CARRIAGE BOLT, 1/4-20 x 7/8 LG
9	1	2-00-02369	NUT, 3/8-16
10	1	2-00-02310	LOCK WASHER, 3/8" HELICAL SPRING
11	1	2-00-02360	NUT, 3/8-16 HEX
12	2	2-00-00402	WASHER, 25/64" ID X 3/4" OD
13	1	7-89-08023	WHEEL
14	1	2-00-00216	BOLT, 3/8-16 x 2.0 HEX HEAD
15	1	7-55-08180	PIN, SIDE SQUEEGEE LOCK
16	1	2-00-00409	FLAT WASHER, .687 x .344 x .062
17	1	2-00-00530	LOCK WASHER, 5/16"
18	5	2-00-02196	CARRIAGE BOLT, 1/4-20 LG
19	5	2-00-00641	NUT, FIBER INSERT 1/4-20
20	1	2-00-00594	NUT, 1/4-20 HEX
21	1	7-21-04042	EDGING

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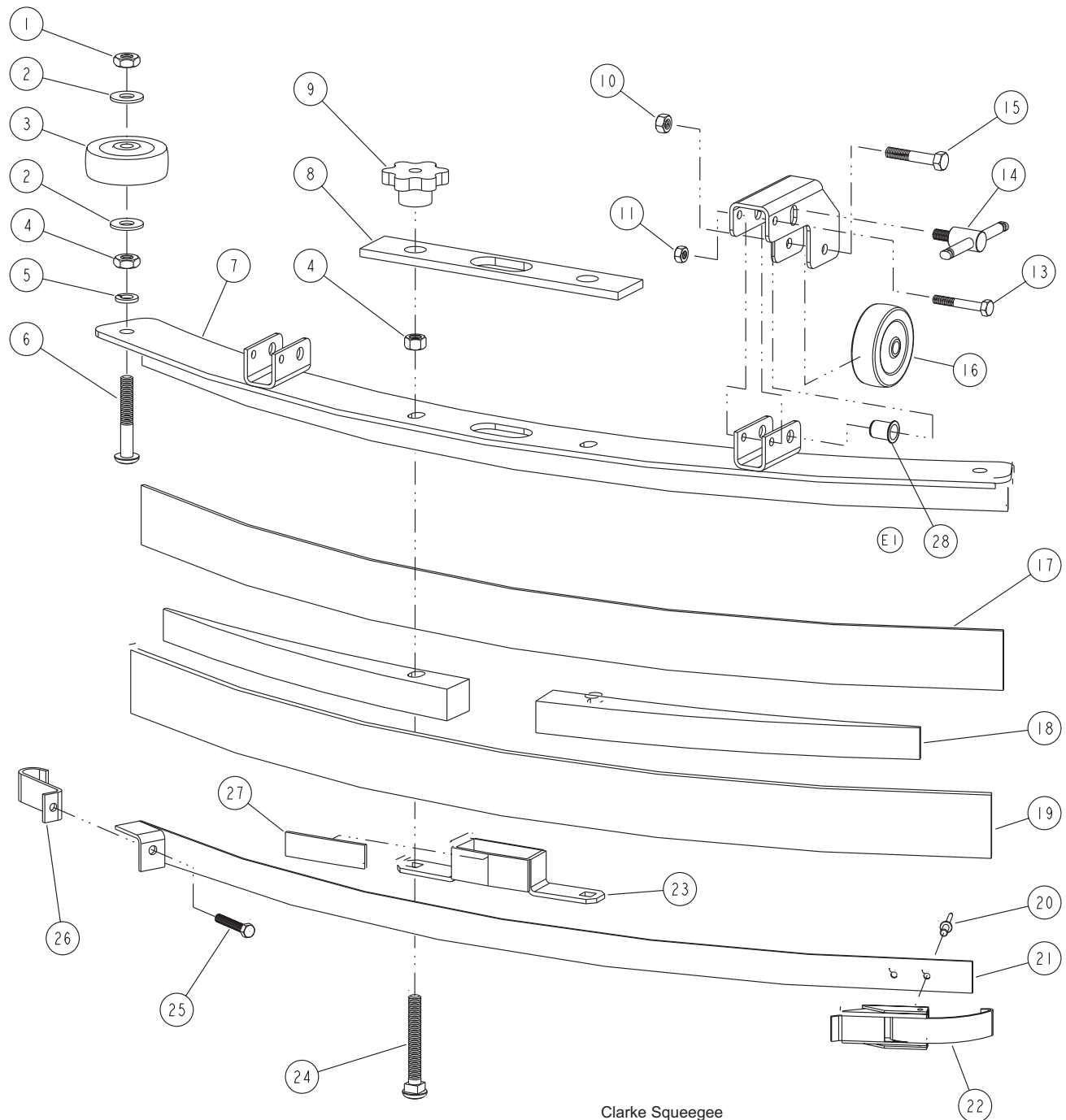
SIDE SQUEEGEE ASSEMBLY (38" LH)



REAR SQUEEGEE ASSEMBLY (38")

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	920248	JAM NUT, 3/8-16 LOW PROFILE
2	4	980645	FLAT WASHER, 3/8
3	2	59950A	GUIDE WHEEL
4	6	81301A	JAM NUT, 3/8-16
5	2	980638	WASHER, 3/8 LT SPRING
6	2	85610A	SCREW, 3/8-16 x 2.50
7	1	69675A	WELDMENT, SQUEEGEE FRAME
8	1	34260B	GASKET, SQUEEGEE
9	2	25201A	KNOB, CLAMPING
10	2	920110	LOCK NUT, 5/15
11	2	81104A	LOCK NUT, 1/4
12	2	65975A	BRACKET, WHEEL MOUNT
13	2	85705A	SCREW, 1/4 x 1.75 HEX
14	2	64905A	"T" HANDLE
15	2	85816A	SCREW, 5/16-18 x 1.75 HEX
16	2	59971A	WHEEL, GUIDE
17	1	30954A	BLADE, INNER RIBBED
18	2	38715A	SPACER, SQUEEGEE
19	1	30935A	BLADE, OUTER
20	2	170932	RIVET, 3/16 SS POP
21	1	62444A	WELDMENT, CLAMP
22	1	55722A	LATCH, HOLDING
23	1	62712A	AIR DUCT
24	2	80011A	SCREW, 3/8-16 x 3.0 CARRIAGE
25	1	86004A	SCREW, 1/4-20 x 1.50 HEX
26	1	62421A	END CLAMP
27	1	37016A	GRIP PAD
28	2	54766A	INSERT, 5/16-24 THREADED

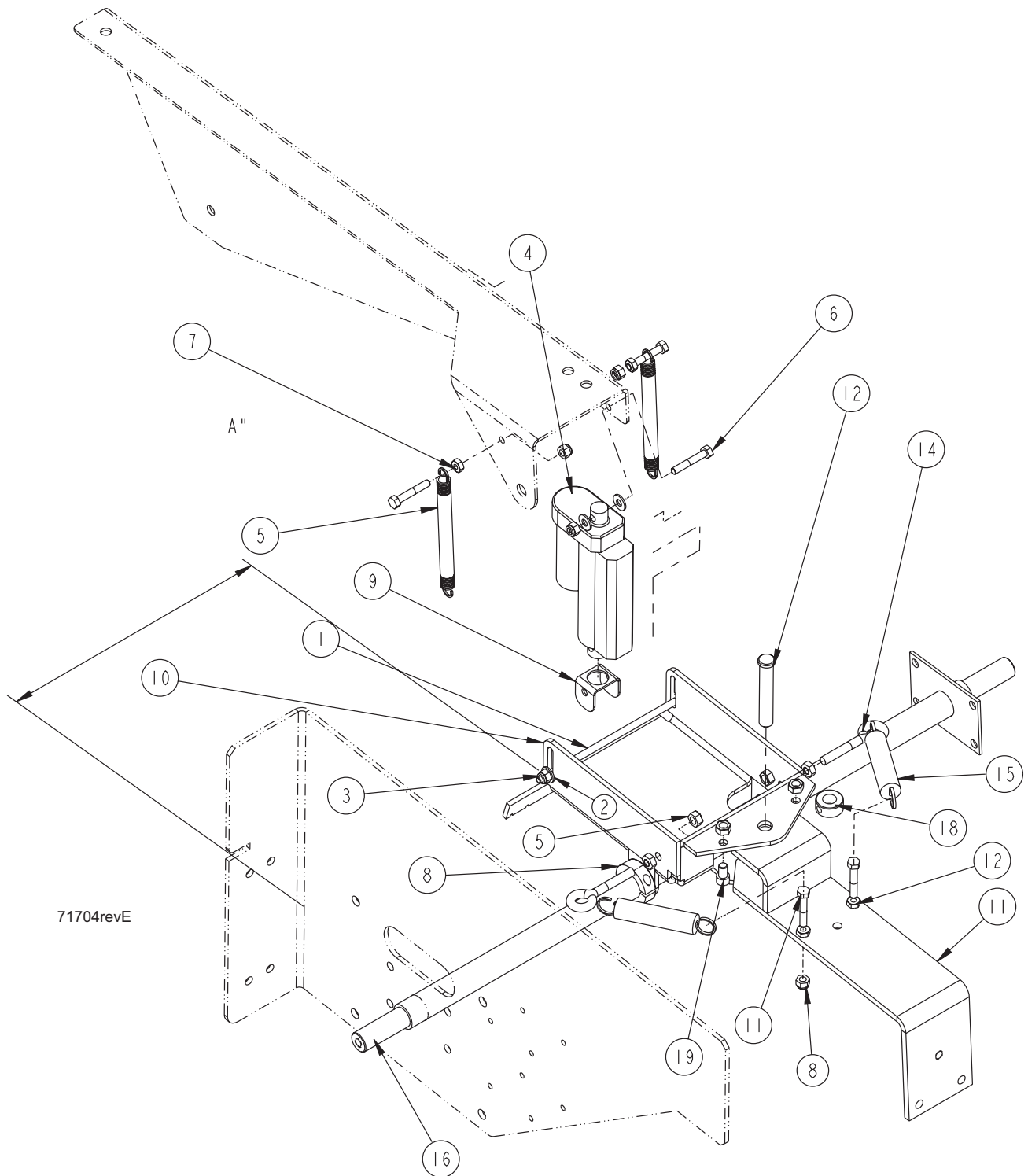
REAR SQUEEGEE ASSEMBLY (38")



Clarke Squeegee

SQUEEGEE LIFT ASSEMBLY

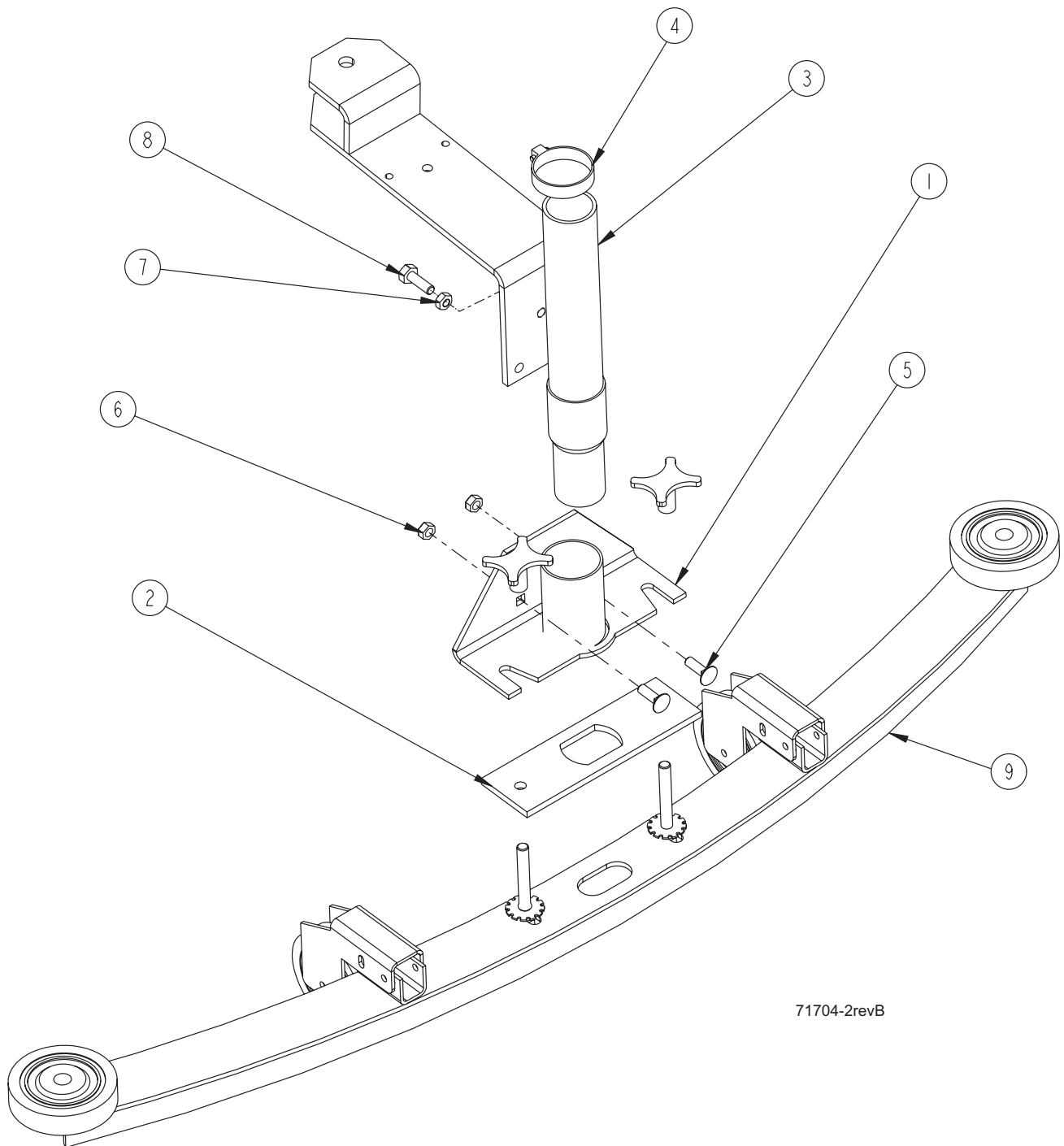
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-80-05081	THREADED ROD
2	4	2-00-03702	WASHER, .625 x .281 x .063
3	7	2-00-00641	NUT, 1/4-20 FIBER INSERT
4	1	0782-139	ACTUATOR
5	2	7-76-00102	SPRING, TRANSMISSION CENTERING
6	5	2-00-00203	SCREW, 1/4-20 x 1.50 HEX HEAD
7	4	2-00-00594	NUT, 1/4-20 HEX
8	2	2-00-04321	COLLAR-SETSCREW
9	1	7-08-02021	BRACKET, SQUEEGEE ACTUATOR
10	1	7-08-01136	BRACKET, SQUEEGEE LIFT
11	1	7-03-04235	ARM, REAR SQUEEGEE
12	1	2-00-05484	PIN, REAR SQUEEGEE PIVOT
13	4	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX
14	2	2-00-05920	EYE BOLT, 5/16-18 x 7/8 x .63 ID
15	2	7-76-00126	SPRING
16	REF.	7-03-09015	AXLE, REAR WHEELS
17	2	2-00-00585	NUT, 5/16-18 HEX
18	1	8-15-01016	COLLAR
19	2	2-00-03335	SCREW, 5/16-18 x .50 SHCS



SQUEEGEE LIFT ASSEMBLY (CON'T)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-25-02096	FITTING-SQ MTG WELDMENT
2	1	7-29-00243	GASKET, TOOL INLET
3	1	7-33-02377	HOSE
4	1	2-00-02216	HOSE CLAMP
5	2	2-00-00196	CARRIAGE BOLT, .31-18 x 1.0
6	2	2-00-00644	HEX NUT, 5/16-18 FIBER INSERT
7	1	2-00-00585	HEX NUT, 5/16-18
8	1	2-00-02708	SCREW, 5/16-18 x 1.0 HEX HEAD
9	1	18816K	34" SQUEEGEE ASSY.
		18817K	38" SQUEEGEE ASSY.

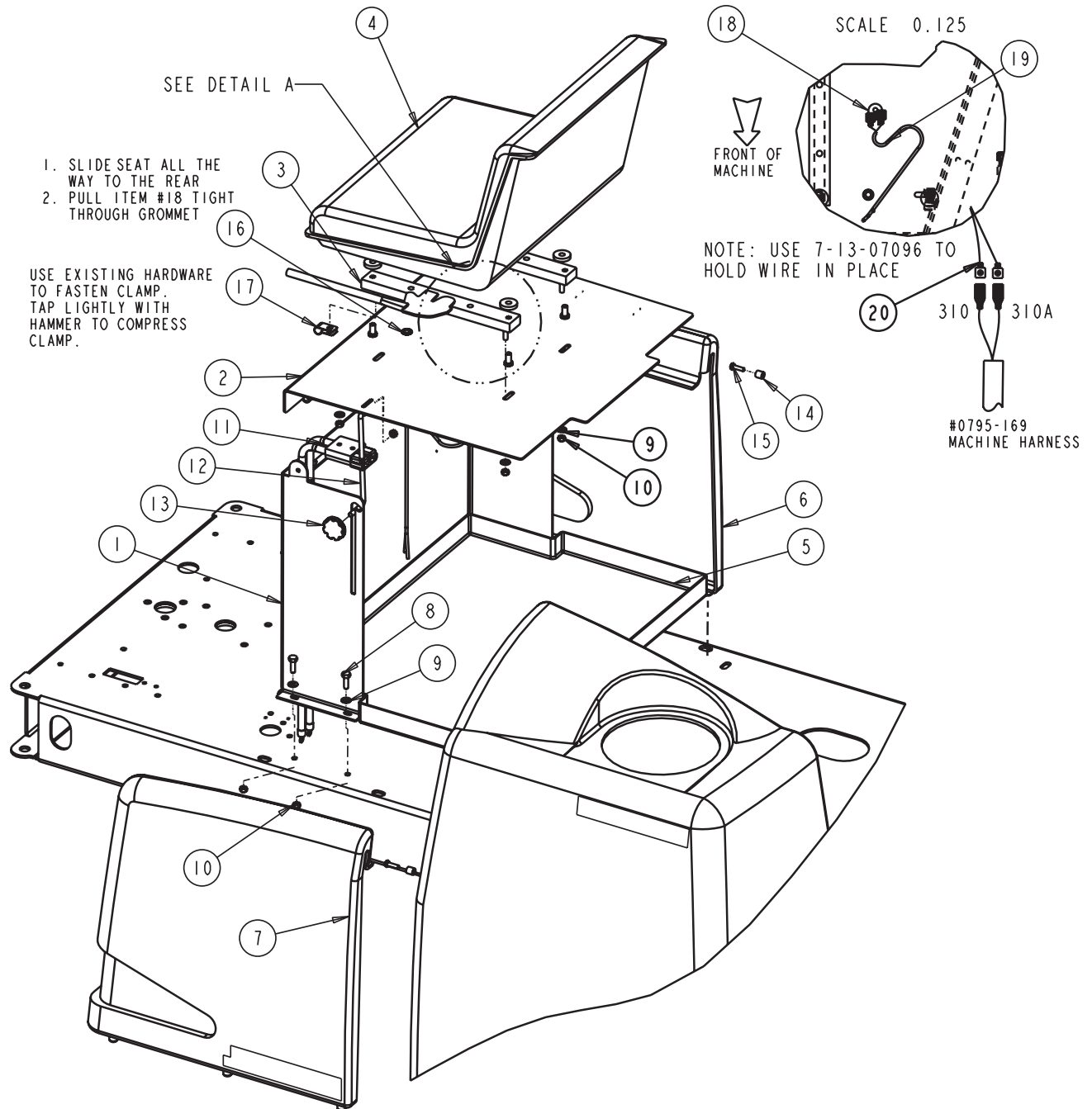
SQUEEGEE LIFT ASSEMBLY (CON'T)



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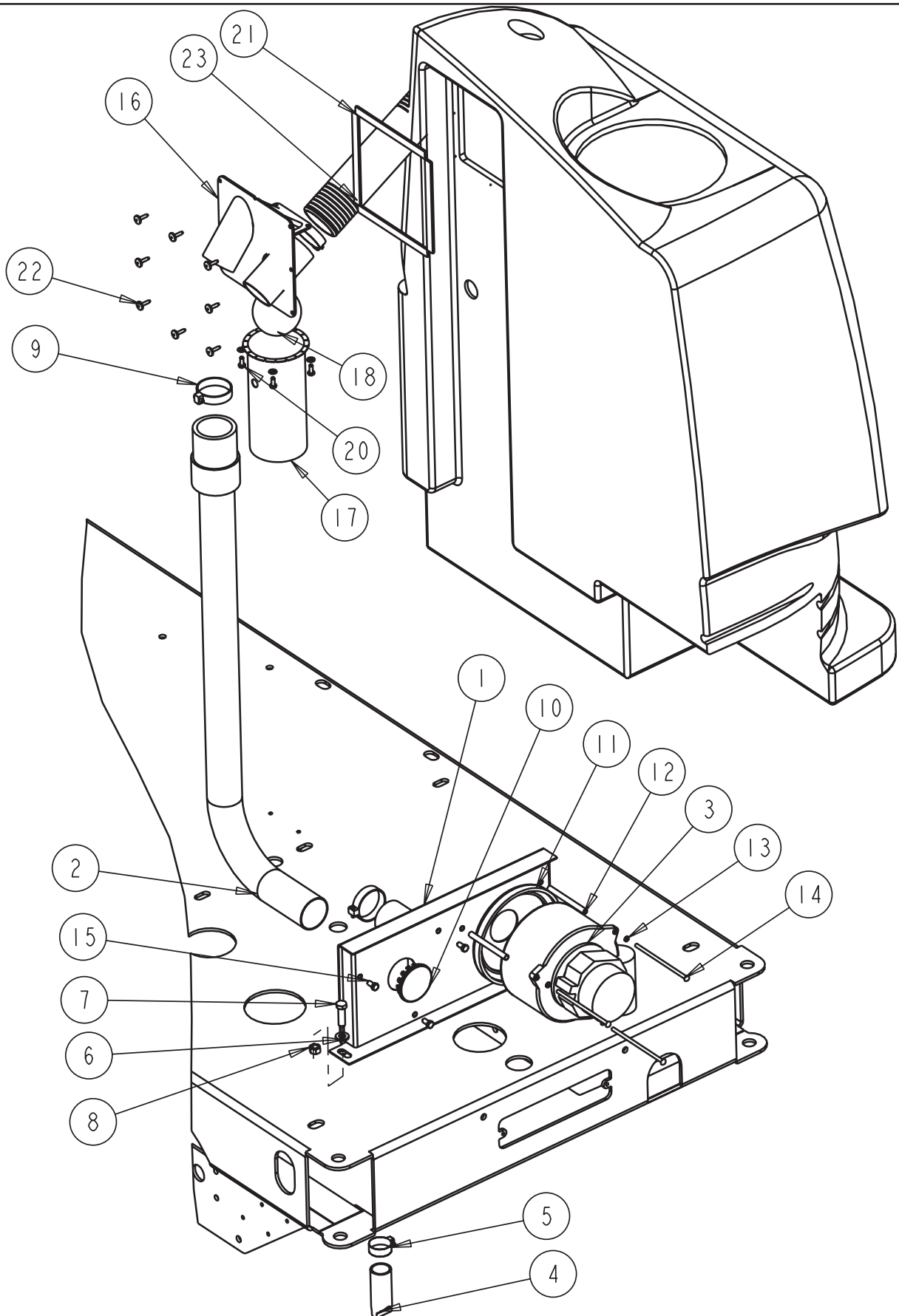
SEAT ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-52-00195	PANEL-SEAT WELDMENT
2	1	7-16-07406	SEAT DECK WELDMENT
3	1	7-72-05005	SEAT ADJUSTER KIT
4	1	8-69-00022	SEAT
5	1	8-51-05016	PAN-BATTERY
6	1	7-16-07405	COVER - RH SIDE
7	1	7-16-07404	COVER - LH SIDE
8	4	2-00-02708	SCREW, HEX HEAD, 5/16-18 x 1.00"
9	8	2-00-00409	FLAT WASHER, .687 x .344 x .062
10	9	2-00-00644	NUT, HEX, INSERT FIBER, 5/16-18
11	1	0795-176	ANDERSON BATTERY CABLE
12	1	7-66-00186	ROD-SEAT PANEL
13	1	7-39-00006	KNOB
14	2	8-75-01205	SPACER-BLOWER MTG
15	2	2-00-01490	1/4-20 X 0.875", HEX HEAD SCREW
16	1	2-00-00491	GROMMET
17	1	2-00-04873	CLAMP - CABLE
18	1	7-82-00050	SWITCH - SEAT
19	1	0875-126	WIRE - SEAT SWITCH
20	1	2-00-04551	TERMINAL, .156 FISCO INSULATED MALE BULLET



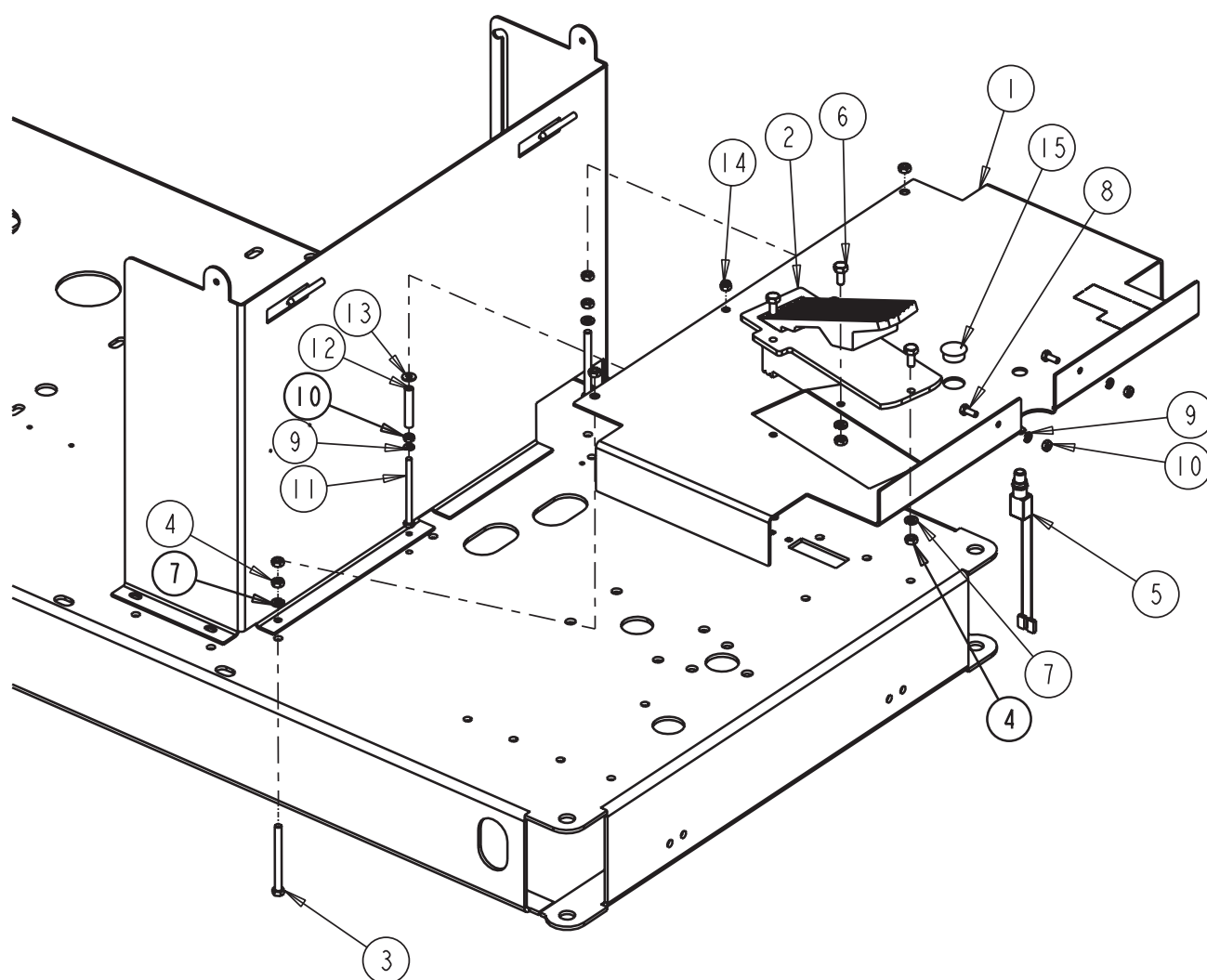
VACUUM ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-48-00033-1	MANIFOLD-VACUUM (WELDMENT)
2	1	7-33-02373	HOSE-FLEXIBLE
3	1	0782-124	VAC FAN (Motor brushes PN: 0775-186 / 2 required)
4	1	8-88-00016	DUST UNLOADER VALVE
5	1	2-00-02220	CLAMP, HOSE
6	2	2-00-00402	WASHER, 25/64" ID X 3/4" OD
7	2	2-00-00209	BOLT, HEX HEAD, 3/8-16 X ?"
8	2	2-95-04182	NUT, HEX, STOP, 3/8-16
9	3	2-00-02216	HOSE CLAMP
10	1	2-00-04431	CAP
11	1	2-22-00003	GASKET
12	3	7-75-01184	SPACER
13	6	2-00-00519	WASHER-LOCK, #10-24, HELICAL SPRING
14	3	2-00-00107	SCREW, #10-24 x 4.50 RD HD
15	3	2-00-00219	BOLT, HEX HEAD, FINISHED, 1/4-20
16	1	7-58-05327	PLATE-VAC INLET (WELDED)
17	1	7-10-04008	FLOAT CAGE
18	1	7-26-04012	FLOAT-RECOVERY
19	4	2-00-00466	FLAT WASHER - .625 X .203 X .031
20	4	2-00-03940	SCREW-T/C HH #10-24 x .50 LG
21	4	7-29-00281	GASKET
22	8	2-00-01994	SCREW TF/PRH #8-15 X 3/4 LG
23	1	7-33-02393	HOSE



FORWARD/REVERSE PEDAL ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-52-00191	PANEL, FLOOR
2	1	7-55-00038	PEDAL, FWD/REV
3	3	2-00-05164	31-18 x 3.50 GR5 FULL THREAD
4	1	2-00-00585	HEX NUT, 5/16-18
5	1	8-82-00030	SWITCH, PUSH BUTTON HORN
6	3	2-00-00208	SCREW, 5/16-18 x .750 HHC
7	6	2-00-00530	5/16" LOCK WASHER
8	2	2-00-00220	SCREW, 1/4-20 x .625 HHC
9	2	2-00-00518	LOCK WASHER, 1/4" HELICAL SPRING
10	2	2-00-00594	HEX NUT, 1/4-20
11	1	2-00-04596	SCREW, 1/4-20 x 3.50" HEX HEAD
12	1	8-75-01203	SPACER, 3/8 OD x .277 ID x 2.06 LG
13	1	2-00-03702	WASHER, .625 x .281 x .063
14	1	2-00-00641	NUT, 1/4-20 FIBER INSERT
15	1	2-00-05530	PLUG, HOLE (1.00 DIA OPENING)



RECOVERY TANK ASSEMBLY

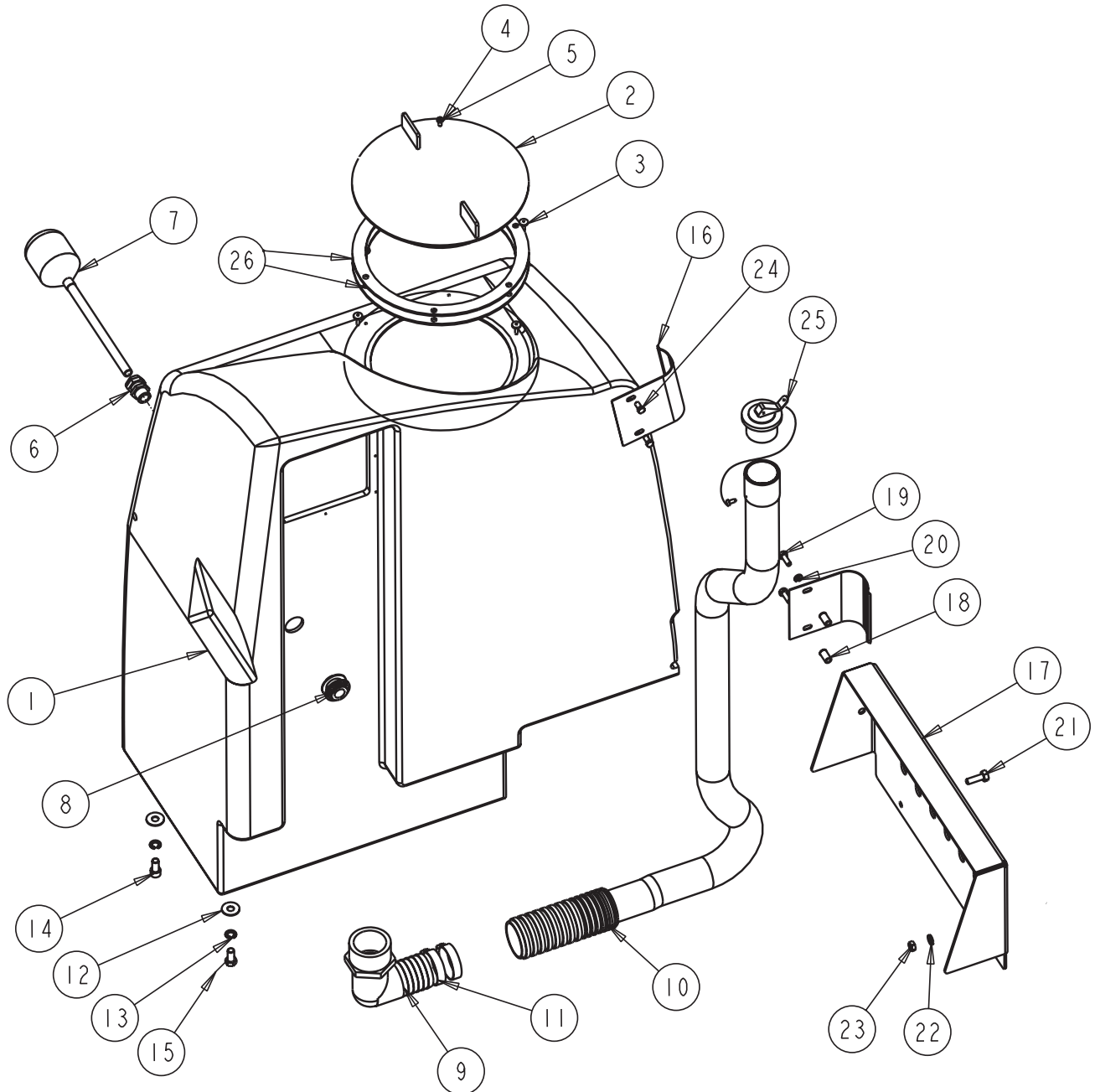
ITEM	QTY	PART NUMBER	DESCRIPTION
1*	1	7-83-04211	RECOVERY TANK
2	1	7-16-07399	COVER, TANK ACCESS
3	6	2-00-01994	SCREW TF/PRH #8-15 X 3/4 LG
4	3	2-00-03466	SCREW #10-16 X.5 SELF TAPPING
5	1	7-13-05064	CHAIN
6	1	7-09-01122	BUSHING
7	1	0775-164	FLOAT SWITCH (GRAY)
8	1	7-09-01124	BULKHEAD FITTING
9	1	2-00-05900	ELBOW BARBED FITTING 1-1/2 X 2 NPT, NYLON
10	1	7-33-02591	HOSE ASSEMBLY, DRAIN
11	2	2-00-02216	HOSE CLAMP
12	3	2-00-03979	FLAT WASHER, 1.00 x .39 x .062
13	3	2-00-02310	WASHER-LOCK, 3/8", HELICAL SPRING
14	1	2-00-03044	SCREW-HSHC, .38-16 X .75
15	2	2-00-00232	BOLT-HEX HEAD, FINISHED, 3/8-16
16	2	7-08-01138	BRACKET, DRAIN HOSE
17	1	7-30-05114	GUARD-VAC MOTOR
18	2	2-00-05261	THREADED INSERT- 1/4-20
19	2	2-00-00221	BOLT-HEX HEAD, FINISHED, 1/4-20x3/4 lg
20	2	2-00-00518	WASHER, LOCK, 1/4", HELICAL SPRING
21	2	2-00-00206	BOLT 5/16-18, 3/4 LG
22	2	2-00-00530	5/16" LOCK WASHER
23	2	2-00-00585	5/16-18, HEX NUT
24	2	2-00-00219	BOLT, HEX HEAD, FINISHED, 1/4-20
25	1	7-25-02033	PLUG, HOSE
26	2	7-29-00277	GASKET-TANK LID

*IF REPLACING ITEM #1, YOU MUST ALSO ORDER:

1 OF 8-18-00534 (5730 DECAL)

1 OF 8-18-00525 (AMERICAN-LINCOLN LOGO DECAL)

(REFERENCE PAGE 2-50 OF THIS MANUAL FOR PLACEMENT)



SOLUTION TANK ASSEMBLY

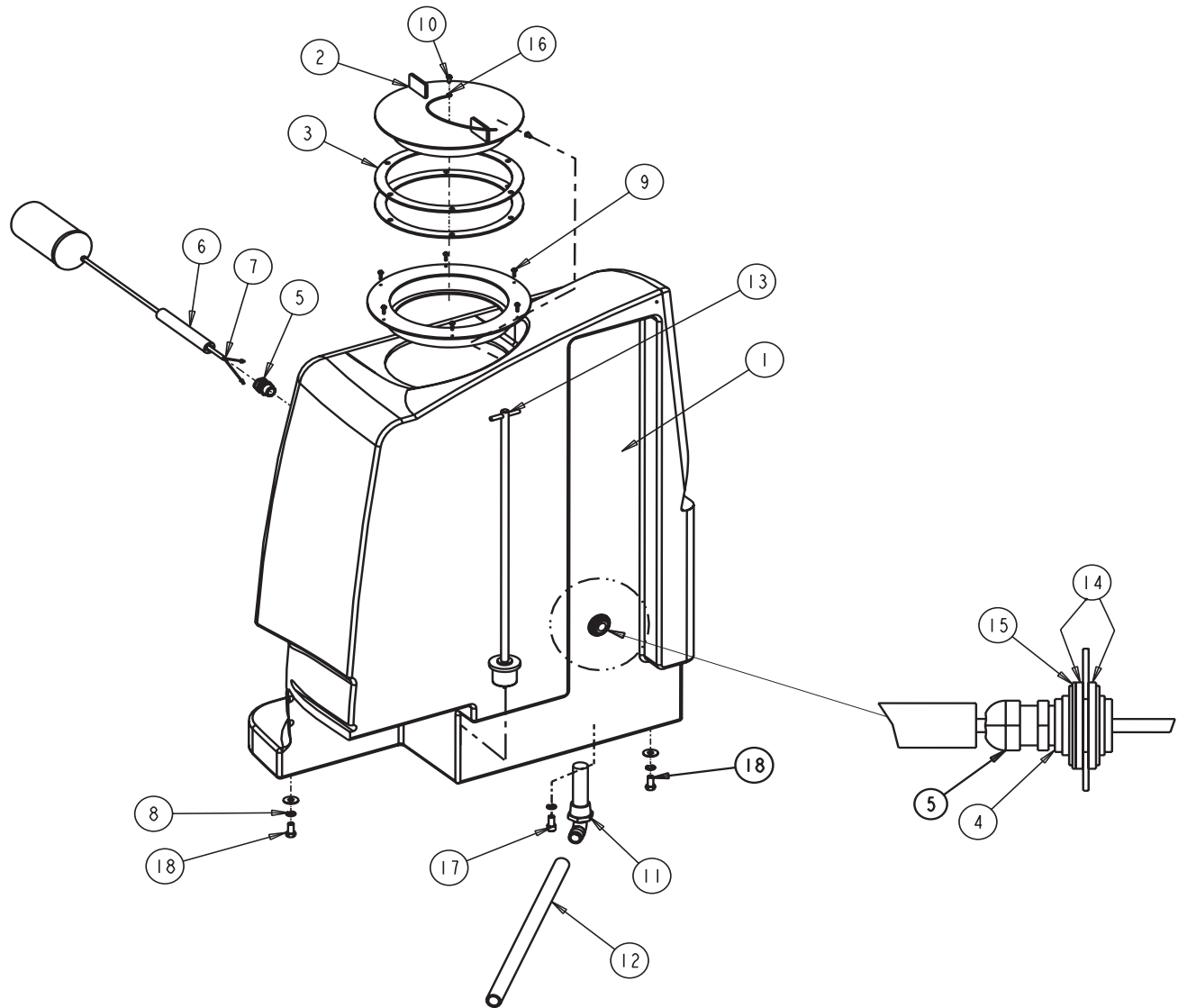
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-83-04174	SOLUTION TANK
2	1	7-16-07399	COVER, TANK ACCESS
3	2	7-29-00277	GASKET-TANK LID
4	1	7-09-01124	BULKHEAD FITTING
5	1	7-09-01122	BUSHING
6	1	7-87-02191	TUBE-FLOAT SWITCH
7	1	0775-217	SWITCH-FLOAT ALTERED (NC)
8	3	2-00-02310	WASHER-LOCK, 3/8", HELICAL SPRING
9	6	2-00-04062	SCREW #6-20X1/2 T/F FH
10	2	2-00-03466	SCREW #10 X 16.50 ZN SELF TAPPING
11	1	7-24-04053	FILTER-SOLUTION
12	1	7-33-02233	HOSE-SOL TANK TO VALVE
13	1	7-25-02095	DRAIN PLUG ASSY
14	2	7-29-00225	GASKET-BLK NEOPREME
15	1	2-95-03047	WASHER, 1.06 ID X 1.63 OD X 1/16
16	1	7-13-05064	CHAIN
17	1	2-00-03044	SCREW-HSHC, .38-16 X .75
18	2	2-00-00232	BOLT-HEX HEAD, FINISHED, 3/8-16

*IF REPLACING ITEM #1, YOU MUST ALSO ORDER:

1 OF 8-18-00534 (5730 DECAL)

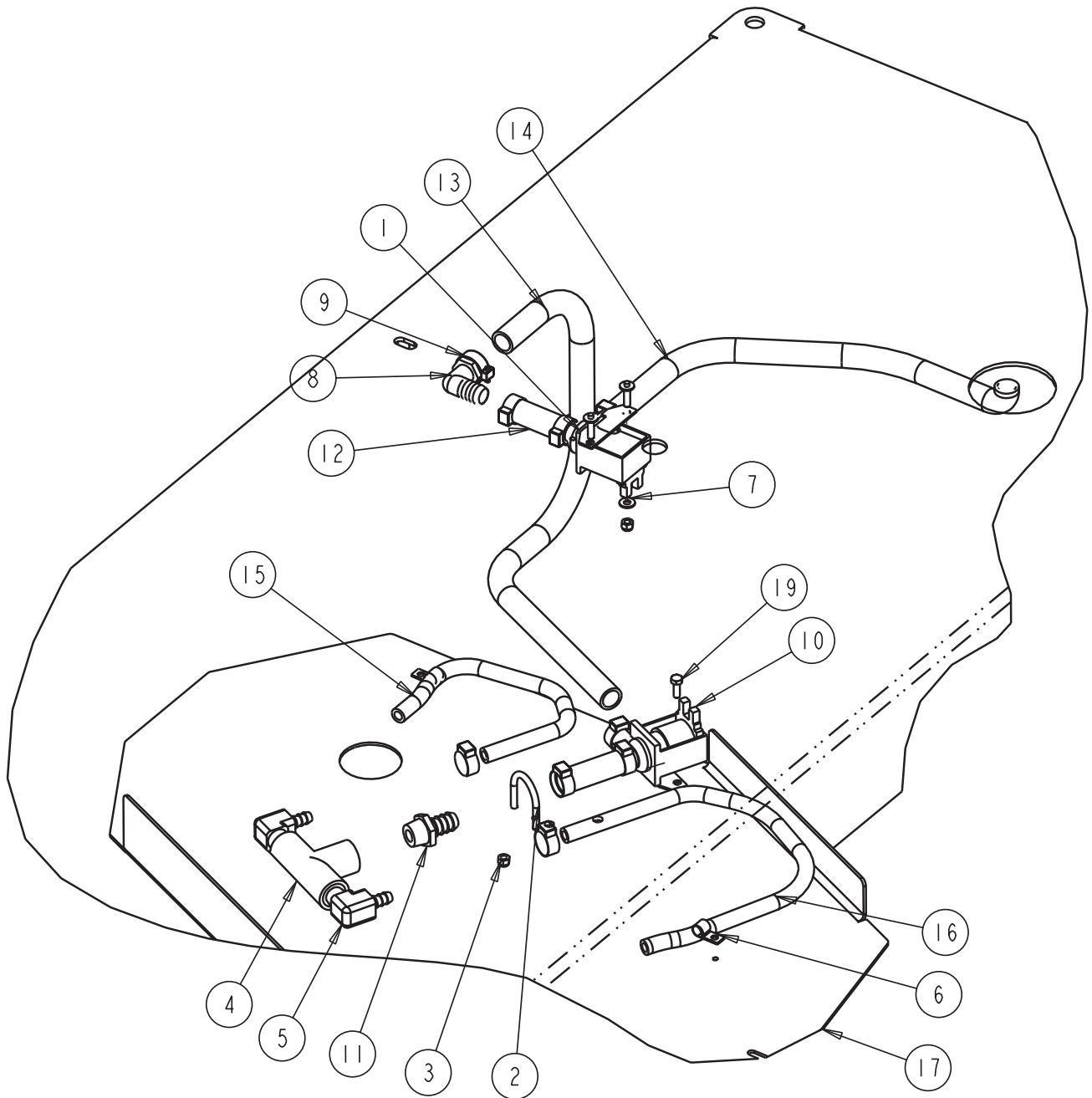
1 OF 8-18-00525 (AMERICAN-LINCOLN LOGO DECAL)

(REFERENCE PAGE 2-50 OF THIS MANUAL FOR PLACEMENT)



SOLUTION CONTROL

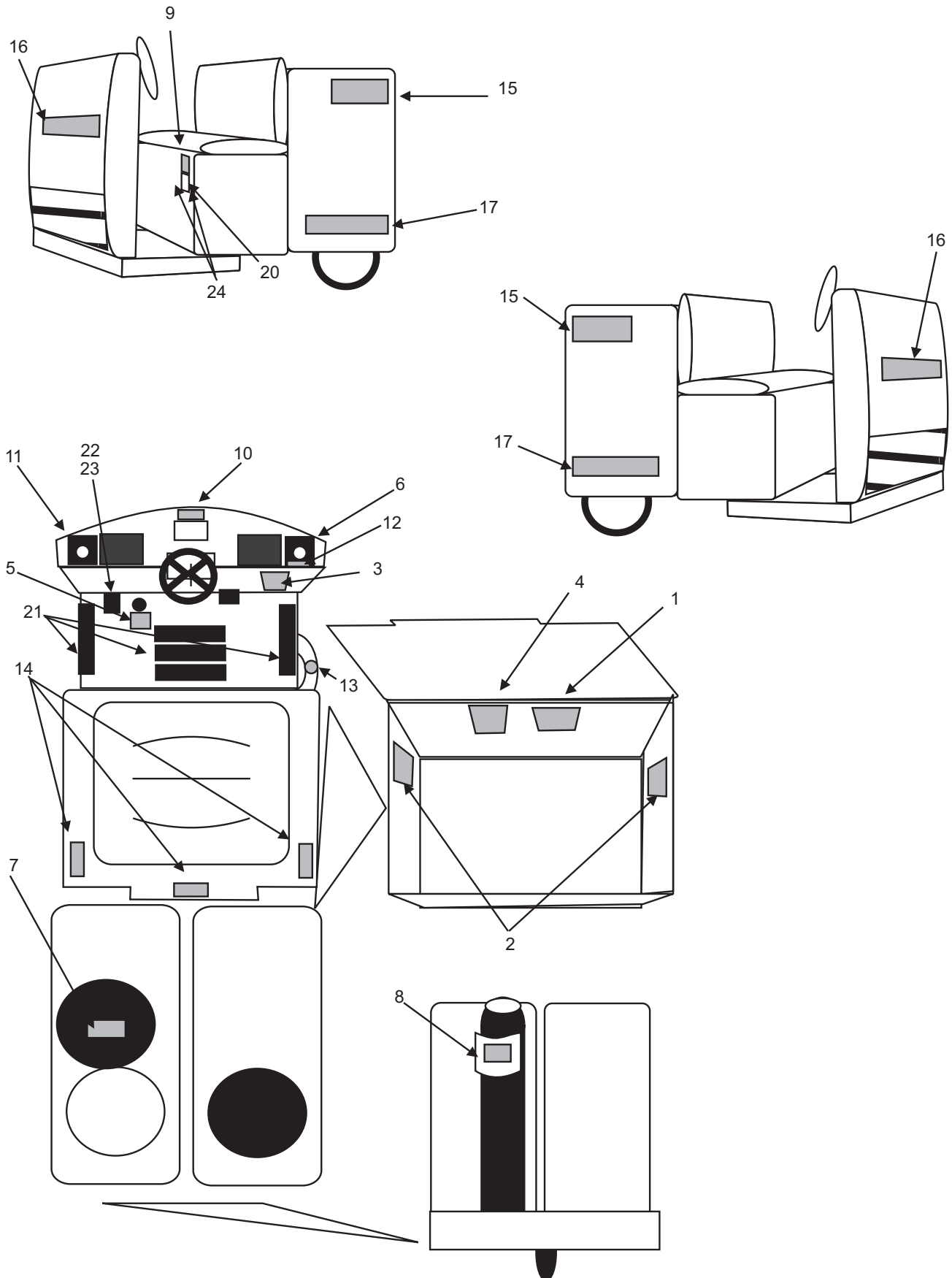
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-88-00073	VALVE-SOLUTION (36VDC)
2	1	8-13-07003	1/4-20 U-BOLT
3	4	2-00-00641	NUT, FIBER INSERT 1/4-20
4	1	7-25-02037	FITTING-PLASTIC (TEE)
5	2	2-00-05378	FITTING-90° BARB
6	1	2-00-04602	CLAMP
7	2	2-00-03702	WASHER, .625 x .281 x .063
8	1	2-00-05380	FITTING, ELBOW, 3/4" X 3/4", BARBED
9	1	2-00-02220	CLAMP, HOSE
10	1	7-88-00084	VALVE-SOLUTION (36VDC)
11	1	7-25-02052	FITTING- 3/4 PIPE - 3/4 BARB STR.
12	2	7-33-02394	HOSE-SOL FEED
13	1	7-33-02374	HOSE-SOL FEED
14	1	7-33-02394	HOSE-SOL FEED
15	1	7-33-02376	HOSE, SOLUTION FEED
16	1	7-33-02379-1	HOSE-SOLUTION FEED (LH)
17	1	7-27-07191-1	SCRUB DECK (34 IN)
18	3	2-00-00641	NUT, FIBER INSERT 1/4-20
19	2	2-00-00221	BOLT-HEX HEAD, FINISHED, 1/4-20x3/4 lg

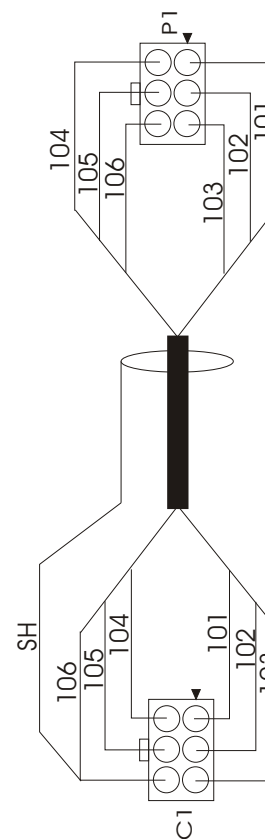
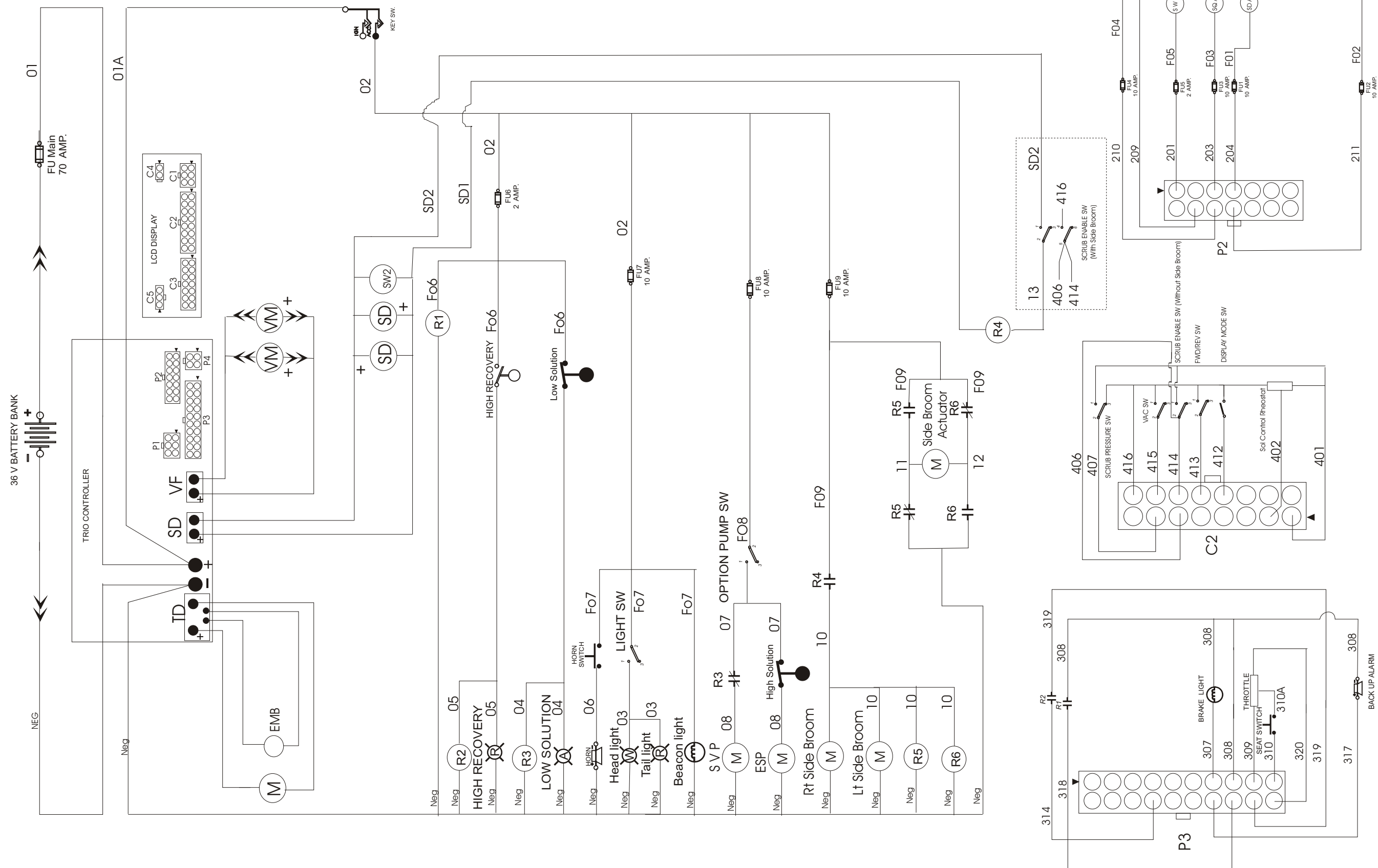


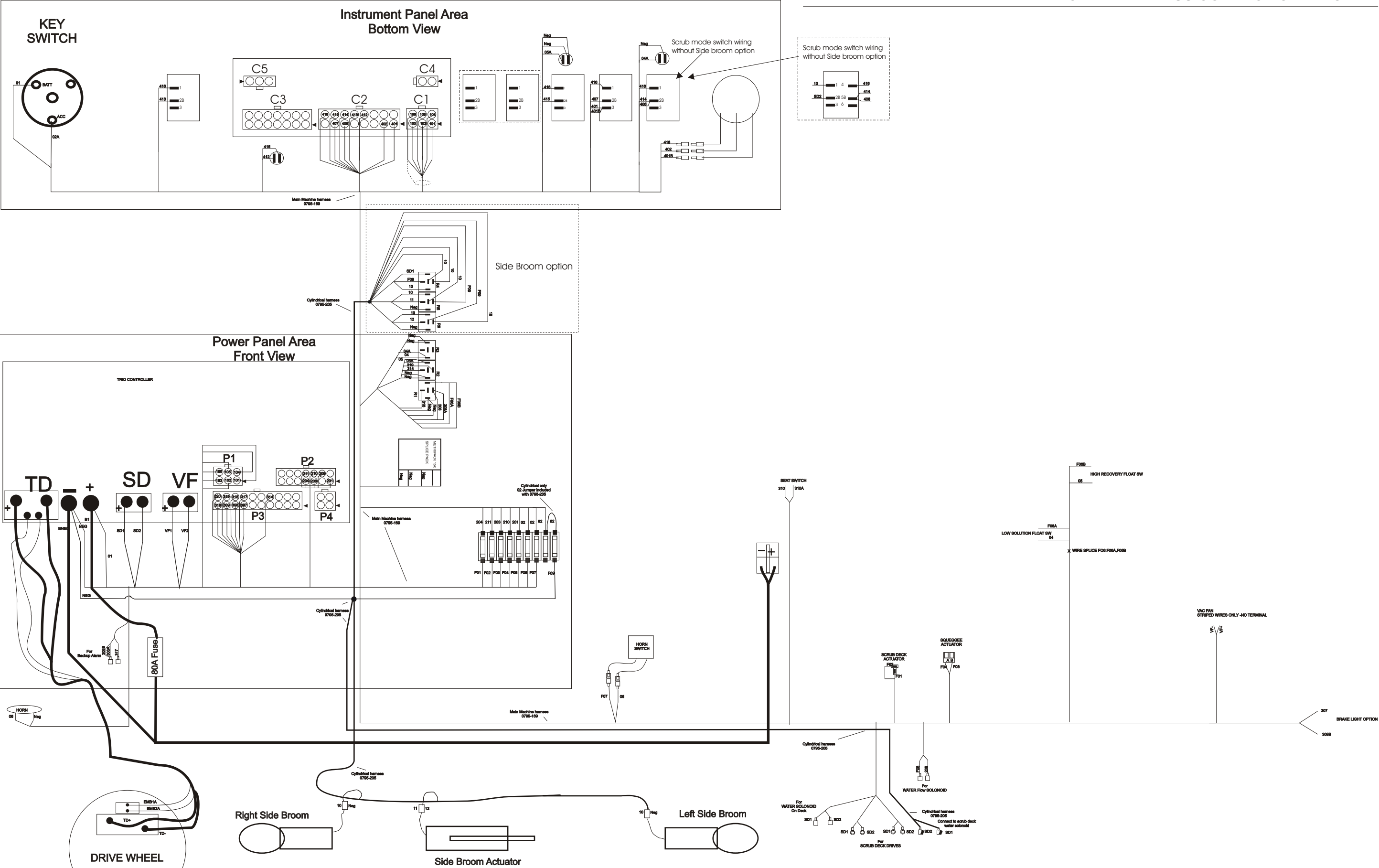
DECAL ASSEMBLY

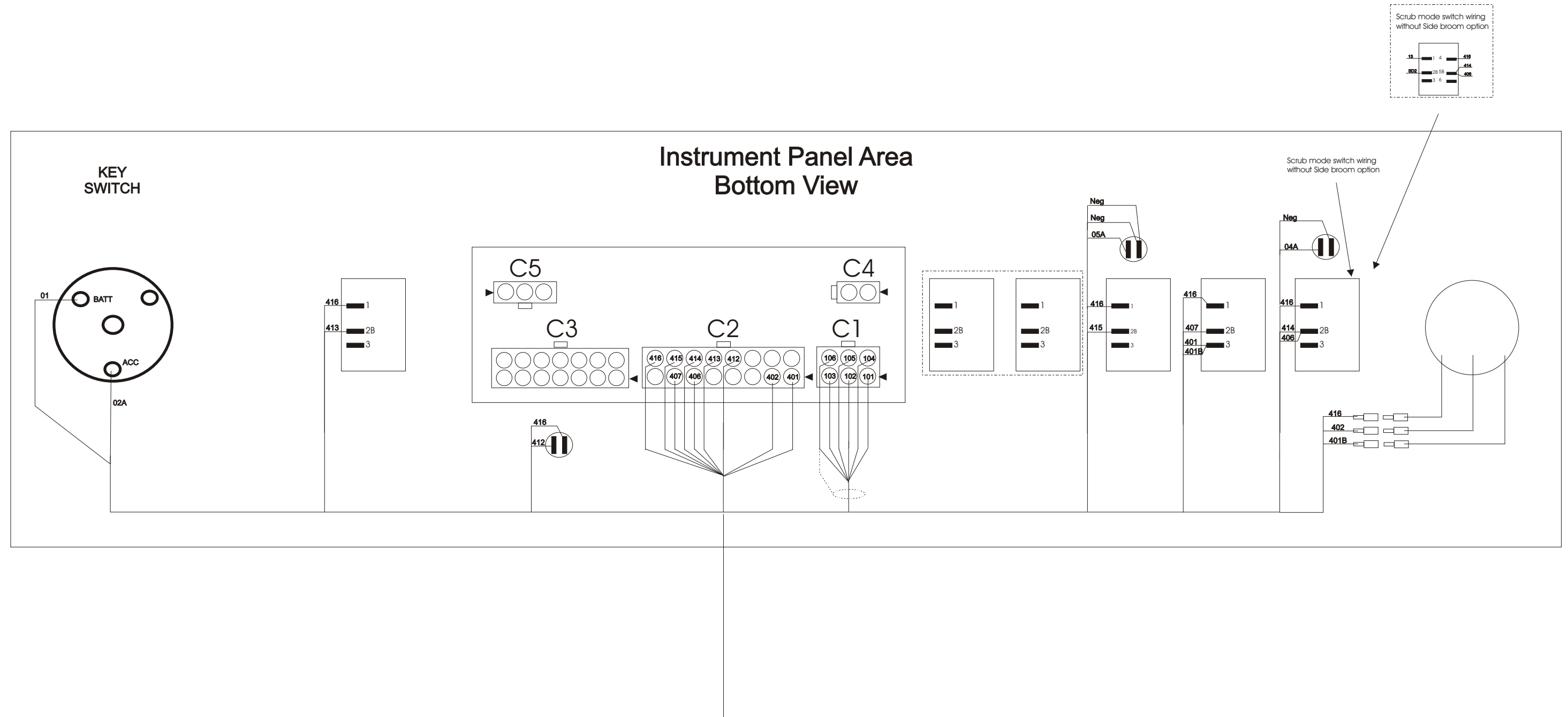
ITEM	QTY	PART NUMBER	DESCRIPTION
1*	1	REF	BATTERY CHARGING WARNING
2*	1	REF	HOPPER/COVER COULD CLOSE
3*	1	REF	DO NOT USE WITH FLAMMABLES
4*	1	REF	ELECTRICAL HAZARD
5	1	8-18-00492	HORN SWITCH
6	1	8-18-00504	KEY SWITCH (ON/OFF)
7*	1	REF	NO GASOLINE OR COMBUSTIBLES
8	1	8-18-00496	OPEN FOR DRAIN HOSE
9*	1	REF	PATENT/PATENTS PENDING
10*	1	REF	READ OPERATOR'S MANUAL
11	1	8-18-00503	SOLUTION CONTROL
12*	1	REF	TURN OFF/LOCK WHEEL
13*	2	REF	NO-STEP
14*	3	REF	PINCH POINT
15	1	8-18-00534	SR5730
16	1	8-18-00525	AMERICAN-LINCOLN (MEDIUM)
17	2	8-18-00525	AMERICAN-LINCOLN (MEDIUM)
20	1	REF	PLATE, SERIAL NUMBER
21	5	8-50-05022	PAD, NON-SKID
22	1	7-50-05145	PAD, BRAKE PEDAL (REAR BRAKE OPTION)
23	1	8-50-05030	PAD, BRAKE LOCK (REAR BRAKE OPTION)
24	2	2-00-04115	RIVETS

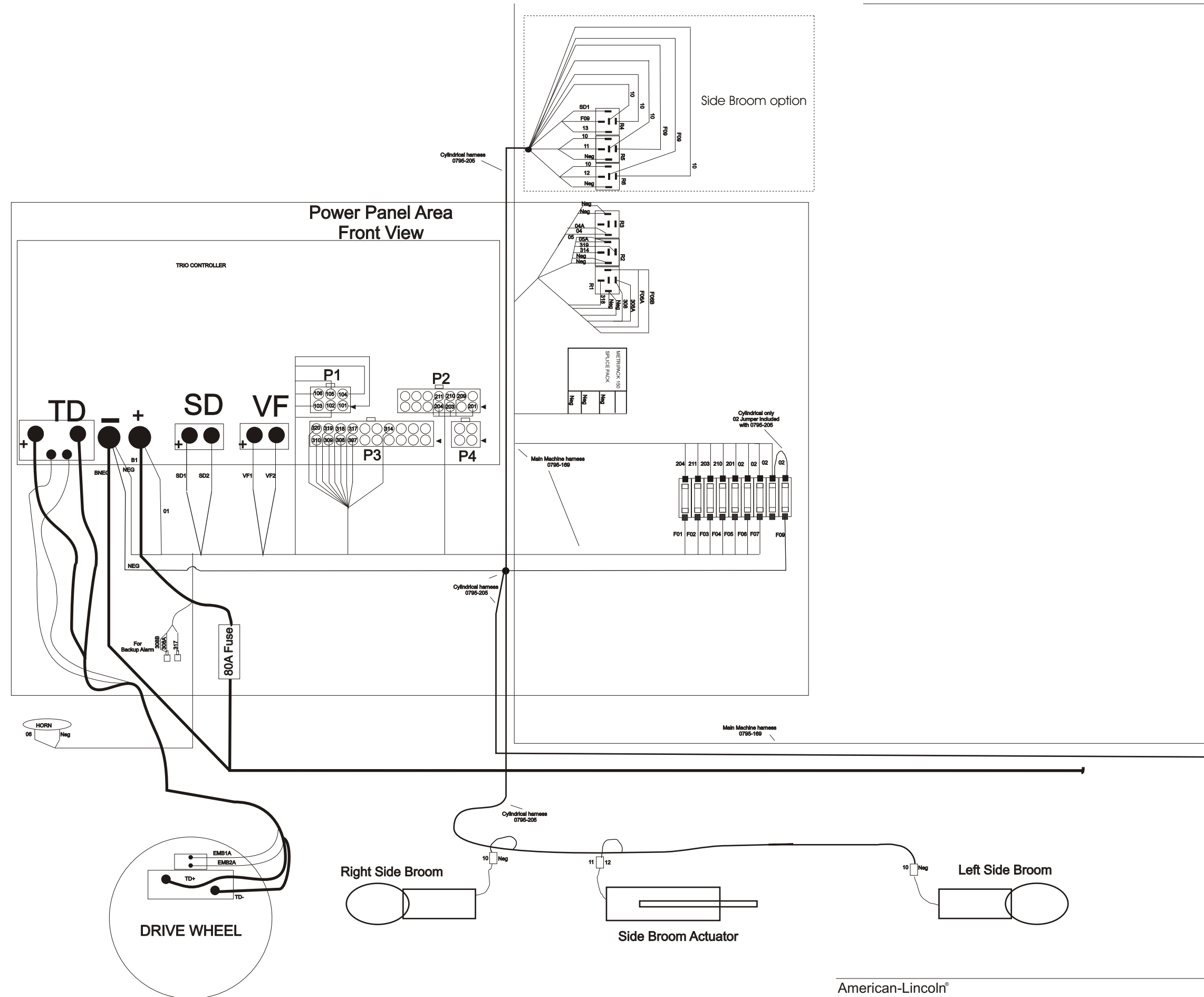
*WARNING/SAFETY DECALS KIT FOR YOUR SR5730: 0760-875



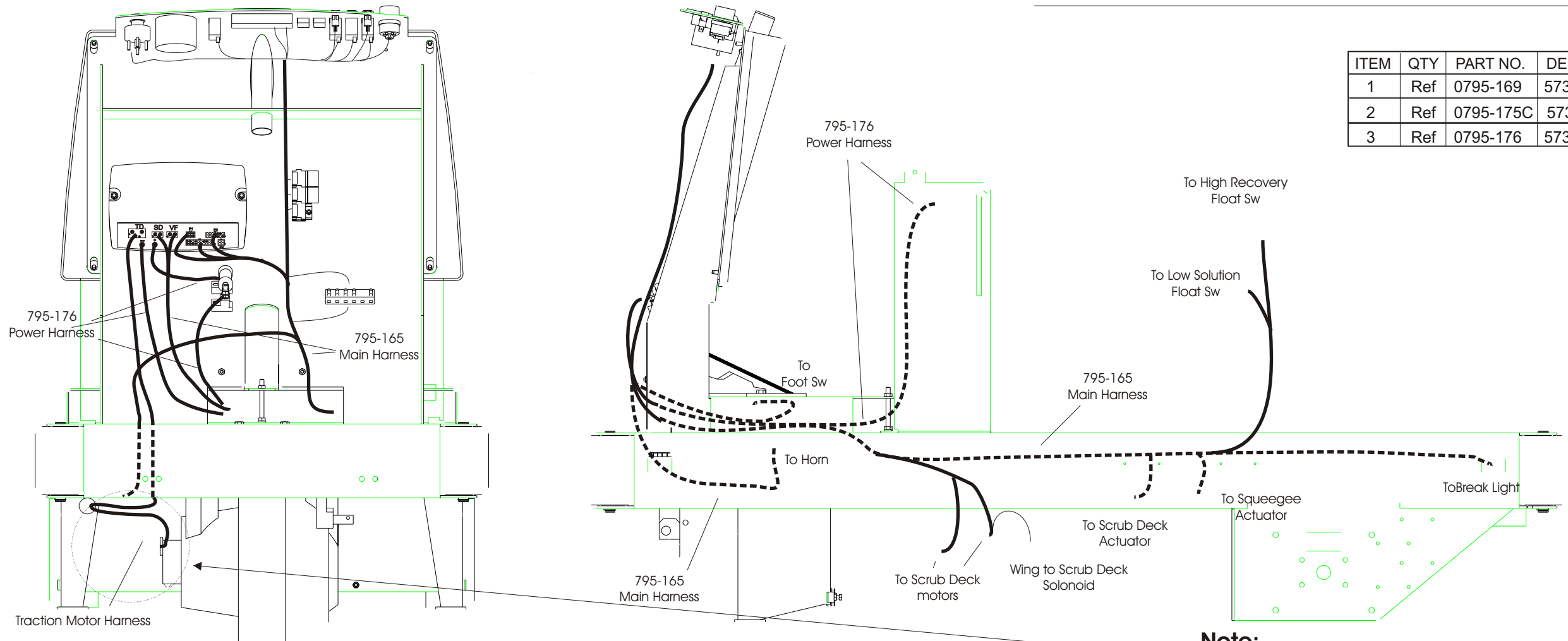




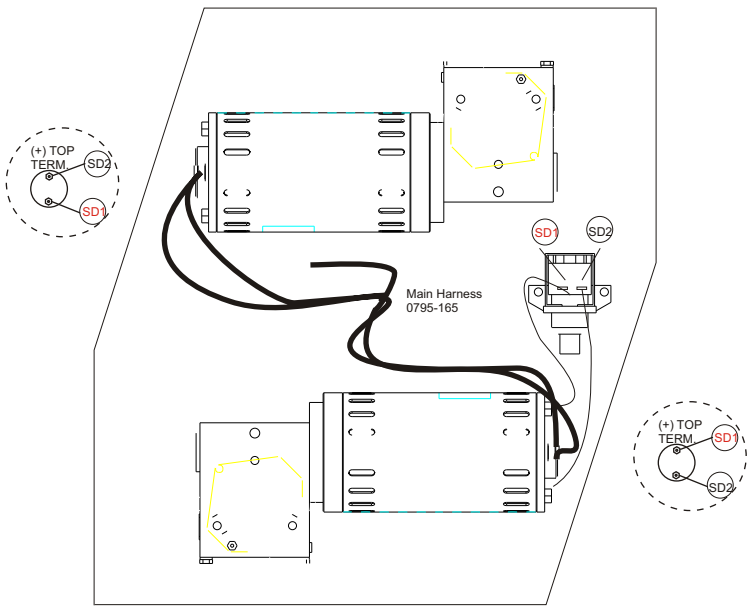
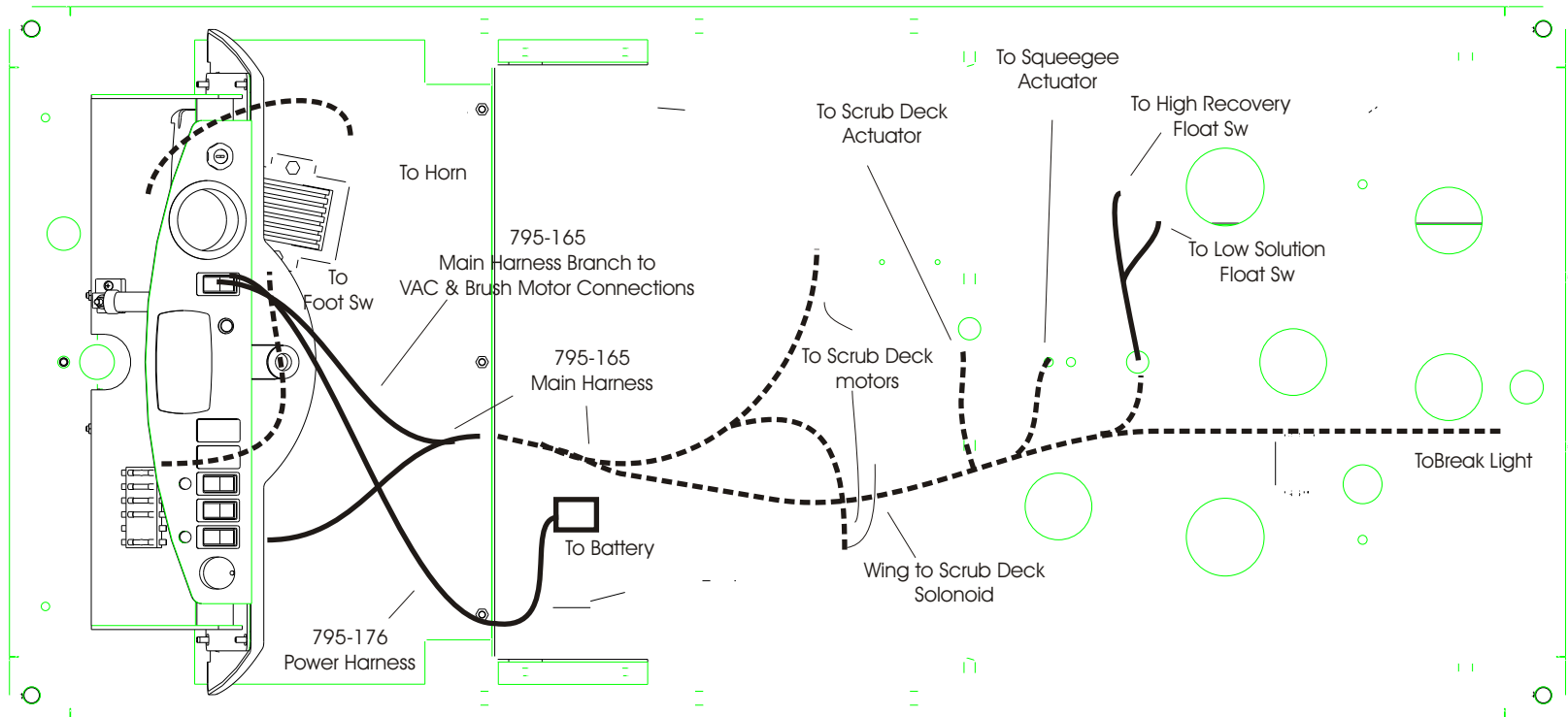


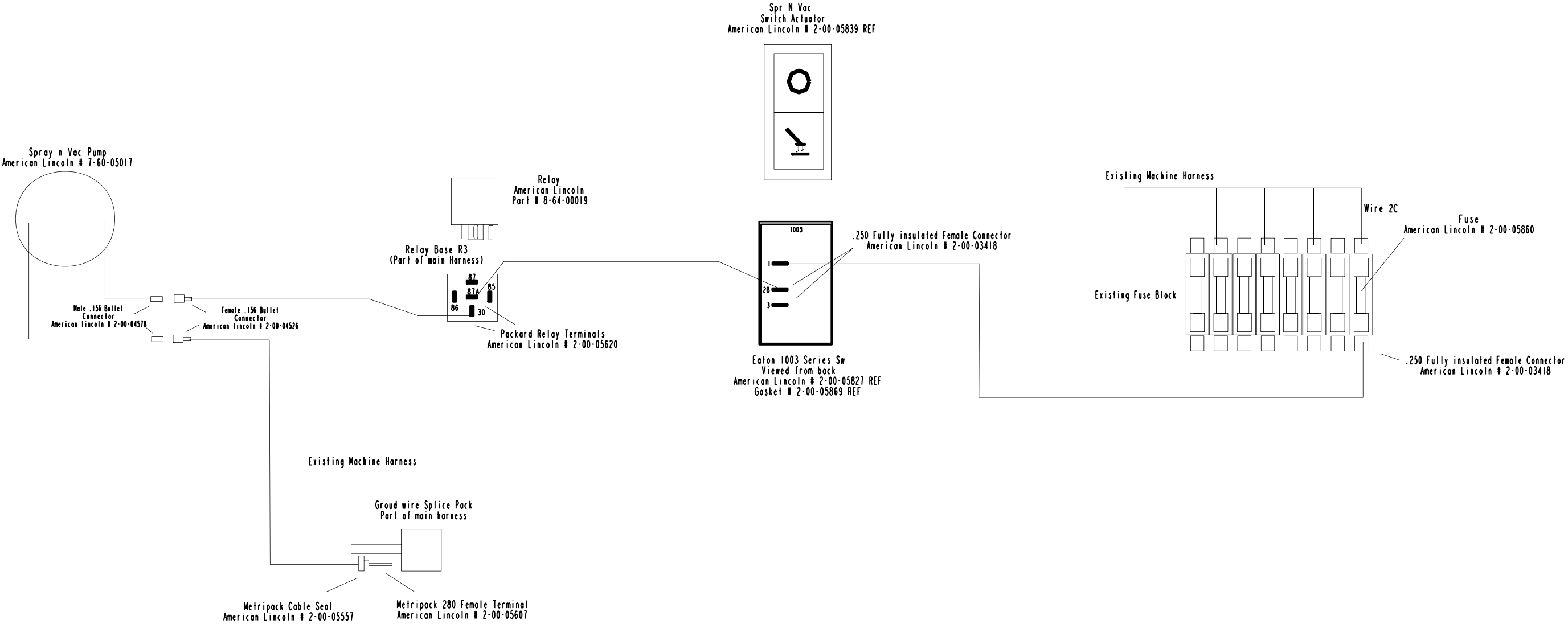


ITEM	QTY	PART NO.	DESCRIPTION
1	Ref	0795-169	5730 Machine Harness
2	Ref	0795-175C	5730 Traction Motor Harness
3	Ref	0795-176	5730 Power Panel Harness



Note:
New Frame hole,
harness Routing work instruction,
& Rev change on Brake /Traction drive Harness.





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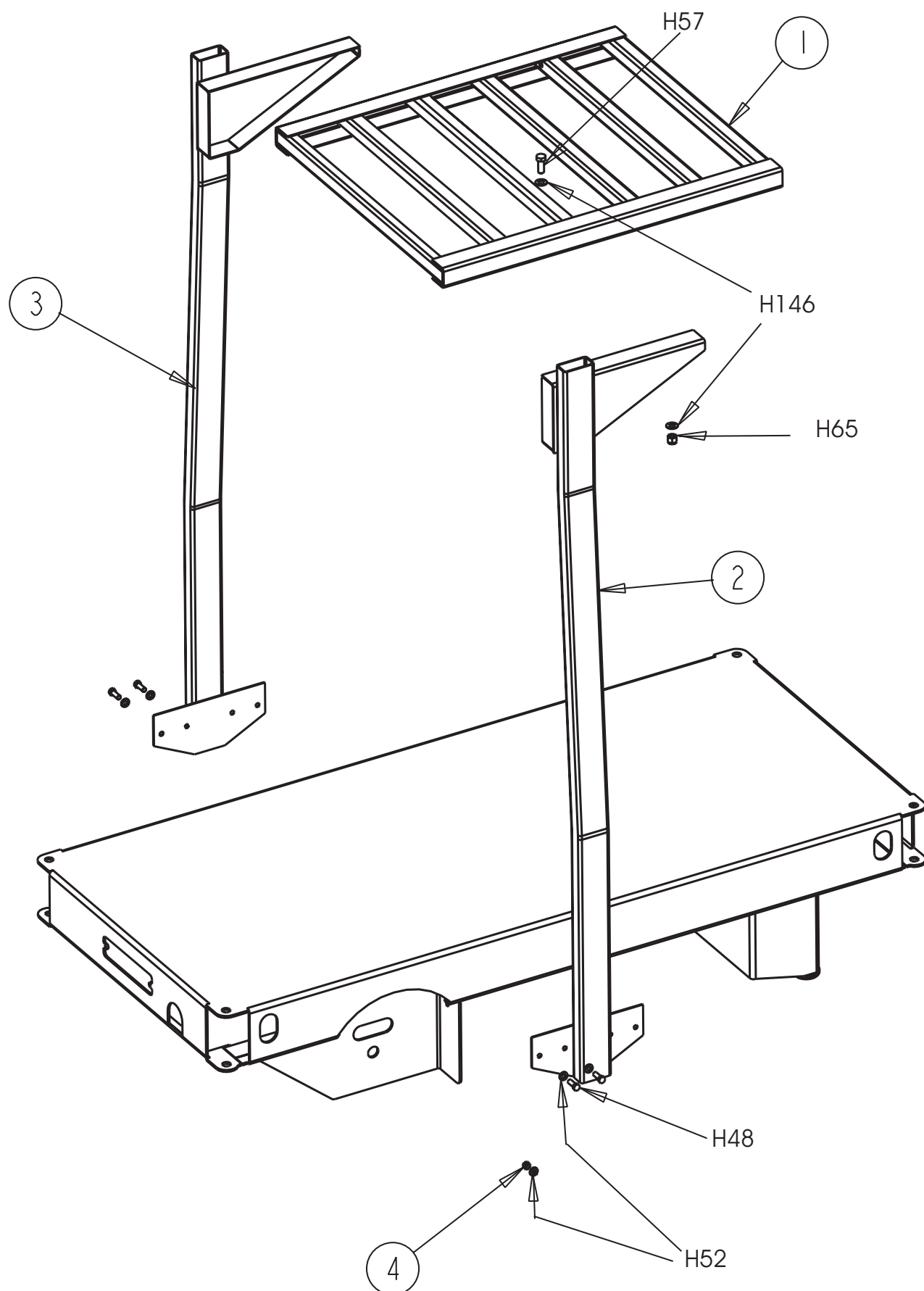
STROBE LIGHT WITH OVERHEAD GUARD 62

STROBE LIGHT WITHOUT OVERHEAD GUARD 64

OVERHEAD GUARD OPTION

OPTION NO. 0780-432

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-30-05086	TOP-OHG
2	1	7-30-05100	LEG-OHG RH
3	1	7-30-05101	LEG-OHG LH
4	8	2-95-04182	FIBRE NUT
H48	8	2-00-00233	SCREW, 3/8-16 X 1.000 HHC
H52	16	2-00-00402	FLAT WASHER, .750 X .390 X .094
H57	8	2-00-00240	SCREW, 1/2-13 X 1.250 HHC
H65	8	2-00-04936	NUT, 1/2-13 FIBRE LOCK
H146	16	2-00-00420	FLAT WASHER, 1.000 X .516 X .063

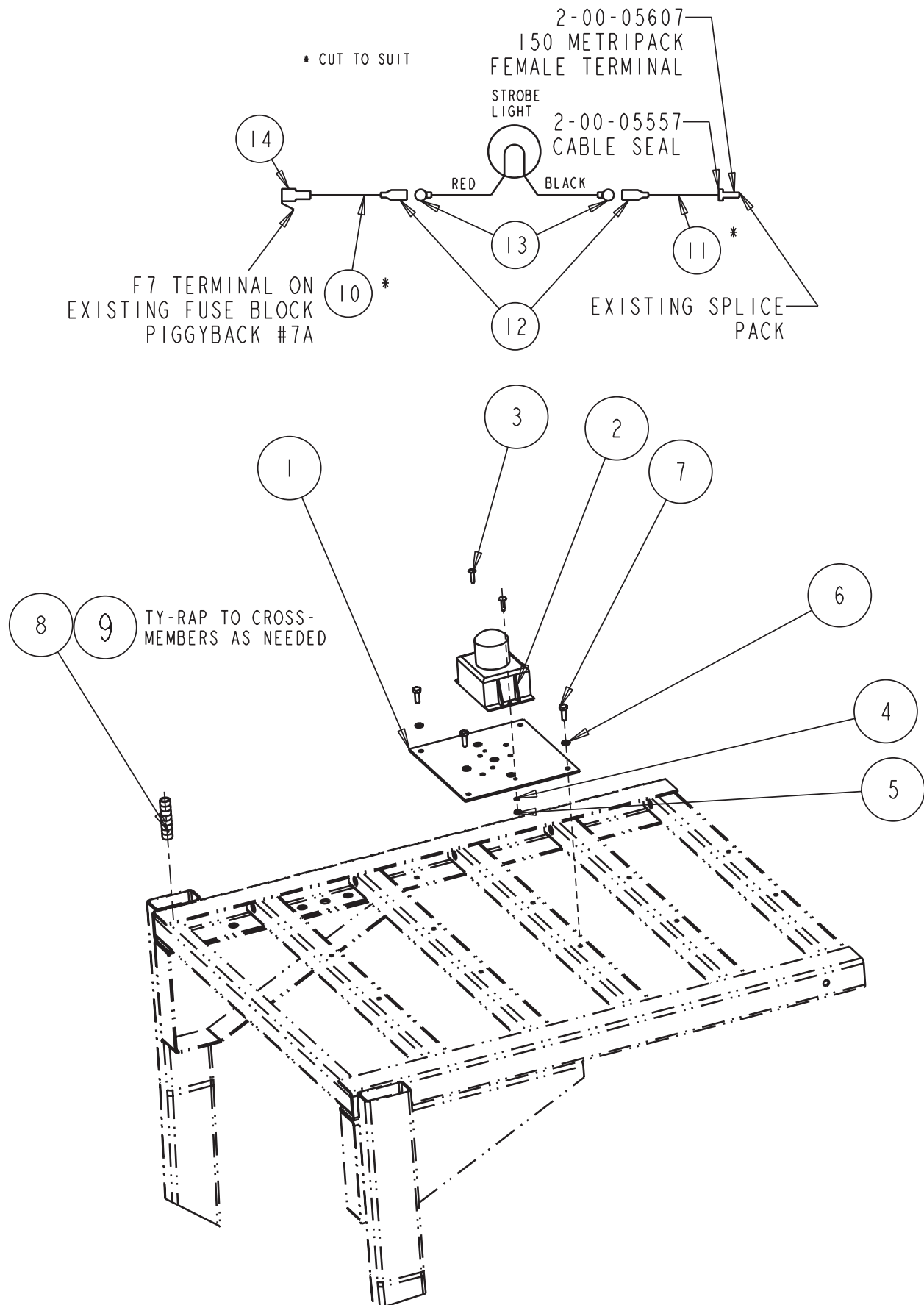


STROBE LIGHT W/ OVERHEAD GUARD OPTION

OPTION NO. 0780-553

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	8-58-05228	PLATE, FLASHER MOUNTING
2	1	8-40-05036	AMBER STROBE LIGHT (12 to 80 VDC)
3	2	2-00-03063	SCREW, #10-24 X .75 ROUND HEAD
4	2	2-00-00512	STAR WASHER
5	2	2-00-00605	NUT, 10-24 HEX
6	4	2-00-00518	LOCK WASHER, 1/4 HELICAL SPRING
7	4	2-00-00221	BOLT, 1/4-20 x 3/4 LG, FINISHED
8	1	3-61-02014	CONVOLUTED TUBE (6 FT.)
9	4	2-00-04345	TY-WRAP
10	1	3-61-00193	WIRE 16 GA (RED, 10 FT.)
11	1	3-61-00189	WIRE 16 GA (BLACK, 10 FT.)
12	2	2-00-04626	TERMINAL (.156 FEMALE)
13	2	2-00-04578	TERMINAL (.156 MALE)
14	1	2-00-04741	TERMINAL

STROBE LIGHT W/ OVERHEAD GUARD OPTION

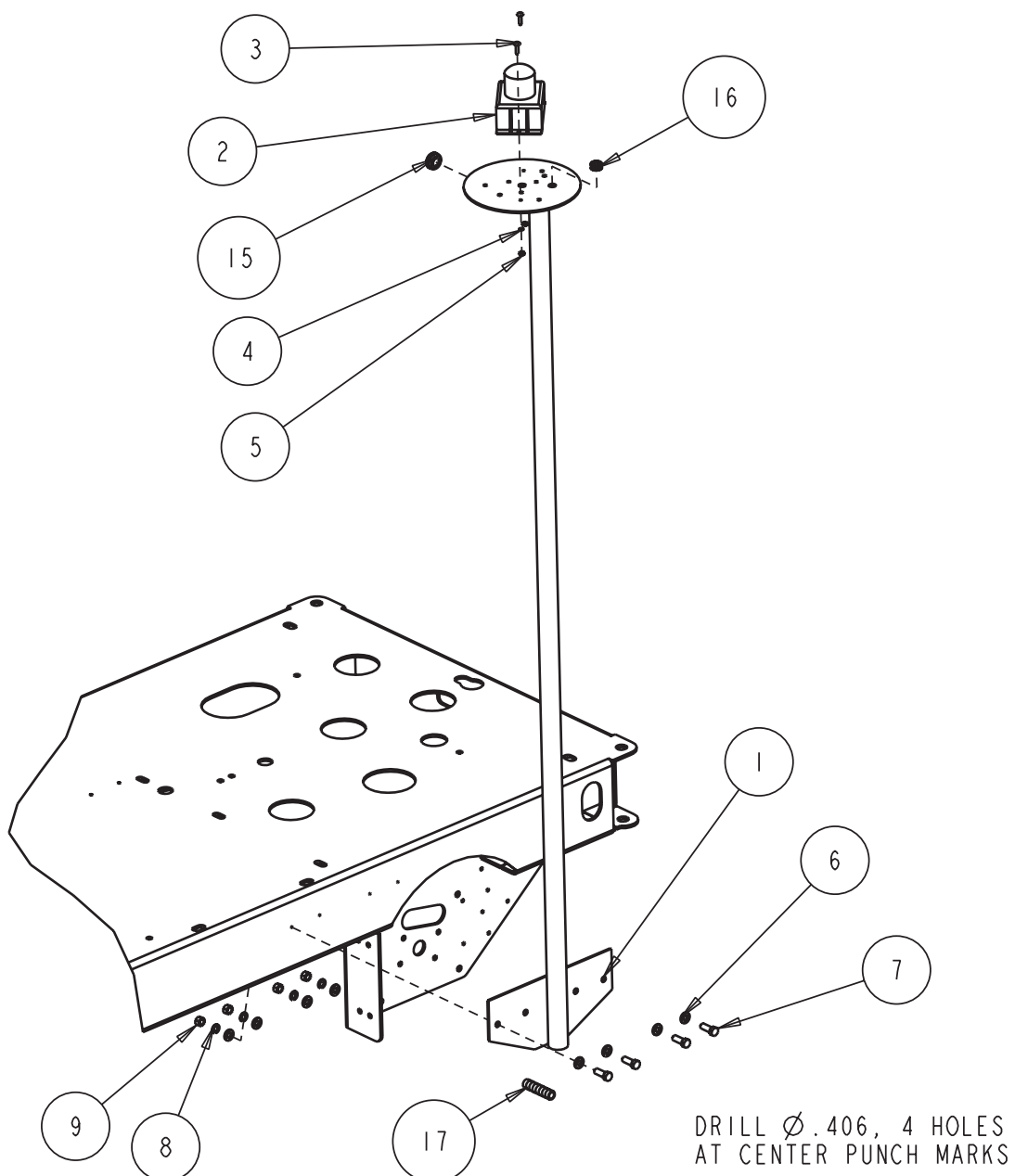
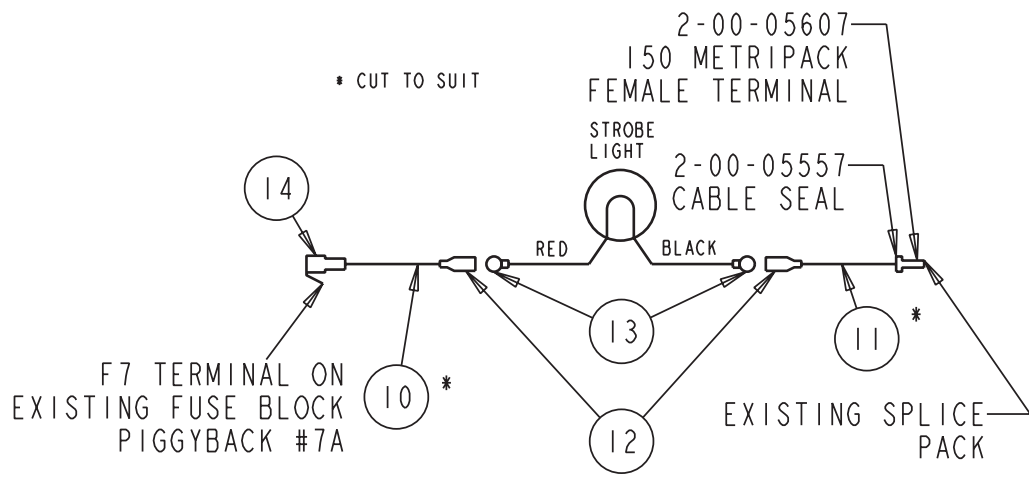


STROBE LIGHT WITHOUT OVERHEAD GUARD

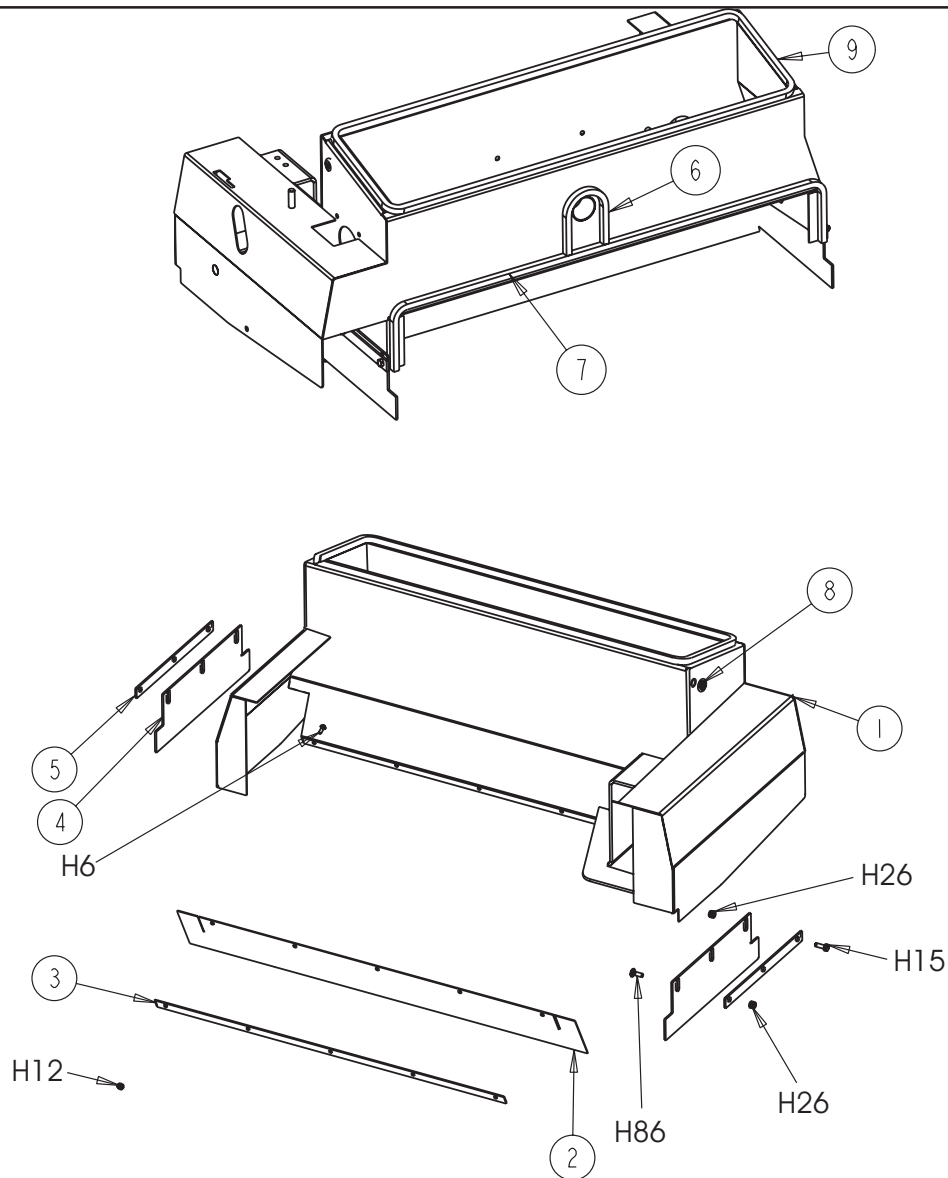
OPTION NO. 0780-555

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-81-00203	SUPPORT, WARNING LIGHT
2	1	8-40-05036	AMBER STROBE LIGHT (12 to 80 VDC)
3	2	2-00-03063	SCREW, #10-24 x .75 ROUND HEAD
4	2	2-00-00512	STAR WASHER
5	2	2-00-00605	NUT, 10-24 HEX
6	8	2-00-00402	WASHER, 25/64" ID x 3/4" OD
7	4	2-00-00233	BOLT, 3/8-16 X 1.00 HEX HEAD, FINISHED
8	4	2-00-02310	LOCK WASHER, 3/8 HELICAL SPRING
9	4	2-00-02360	NUT, 3/8-16 HEX
10	1	3-61-00193	WIRE 16 GA (RED, 10 FT.)
11	1	3-61-00189	WIRE 16 GA (BLACK, 10 FT.)
12	2	2-00-04626	TERMINAL (.156 FEMALE)
13	2	2-00-04578	TERMINAL (.156 MALE)
14	1	2-00-04741	TERMINAL
15	1	2-00-03261	GROMMET
16	1	2-00-00491	GROMMET
17	1	3-61-02014	CONVOLUTED TUBE (6 FT.)

STROBE LIGHT WITHOUT OVERHEAD GUARD



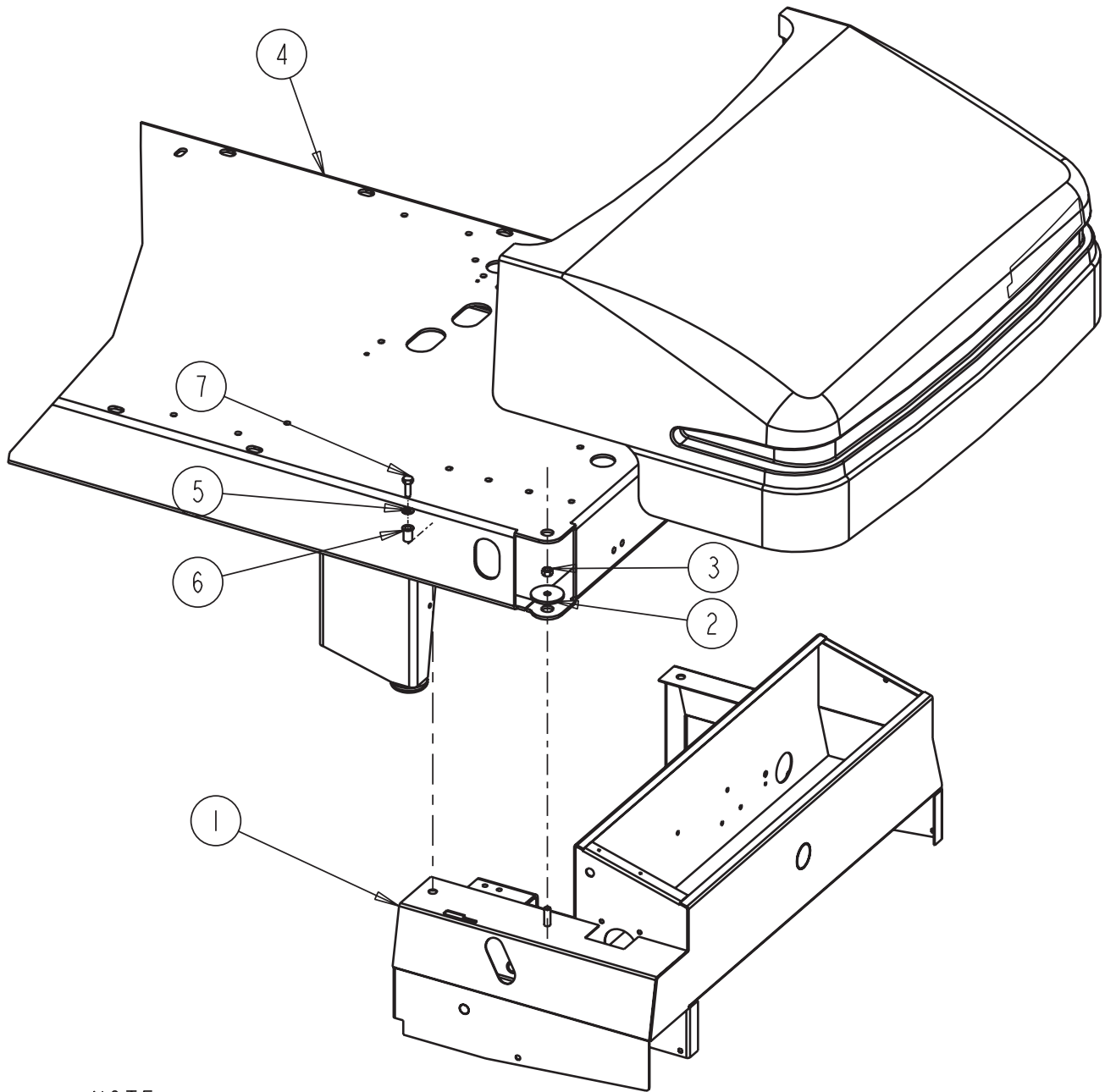
PRE-SWEEP OPTION - FRAME AND FLAPS



Ref# 0780-468

OPTION NO. 0780-607

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-27-07193	BROOM HOUSING
2	1	7-25-08080	FLAP-REAR
3	1	7-13-07126	CLAMP-FLAP (REAR)
4	2	7-25-08081	FLAP-SIDE
5	2	7-13-07194	CLAMP-SIDE SQ
6	1	7-29-00253	GASKET-HOPPER
7	1	7-29-00252	GASKET-HOPPER
8	1	2-00-04341	GROMMET
9	1	7-29-00251	GASKET-PLASTIC HOPPER
9	1	7-29-00254	GASKET-STEEL HOPPER
H6	5	2-00-00049	SCREW, # 10-24 X .500 RHM
H12	5	2-00-01246	NUT, HEX # 10-24 FIBER INSERT
H15	1	2-00-00221	SCREW, 1/4-20 X .750 HHC
H26	6	2-00-00641	NUT, 1/4-20 FIBER INSERT
H86	5	2-00-03575	CARRIAGE BOLT, 1/4-20 X .750

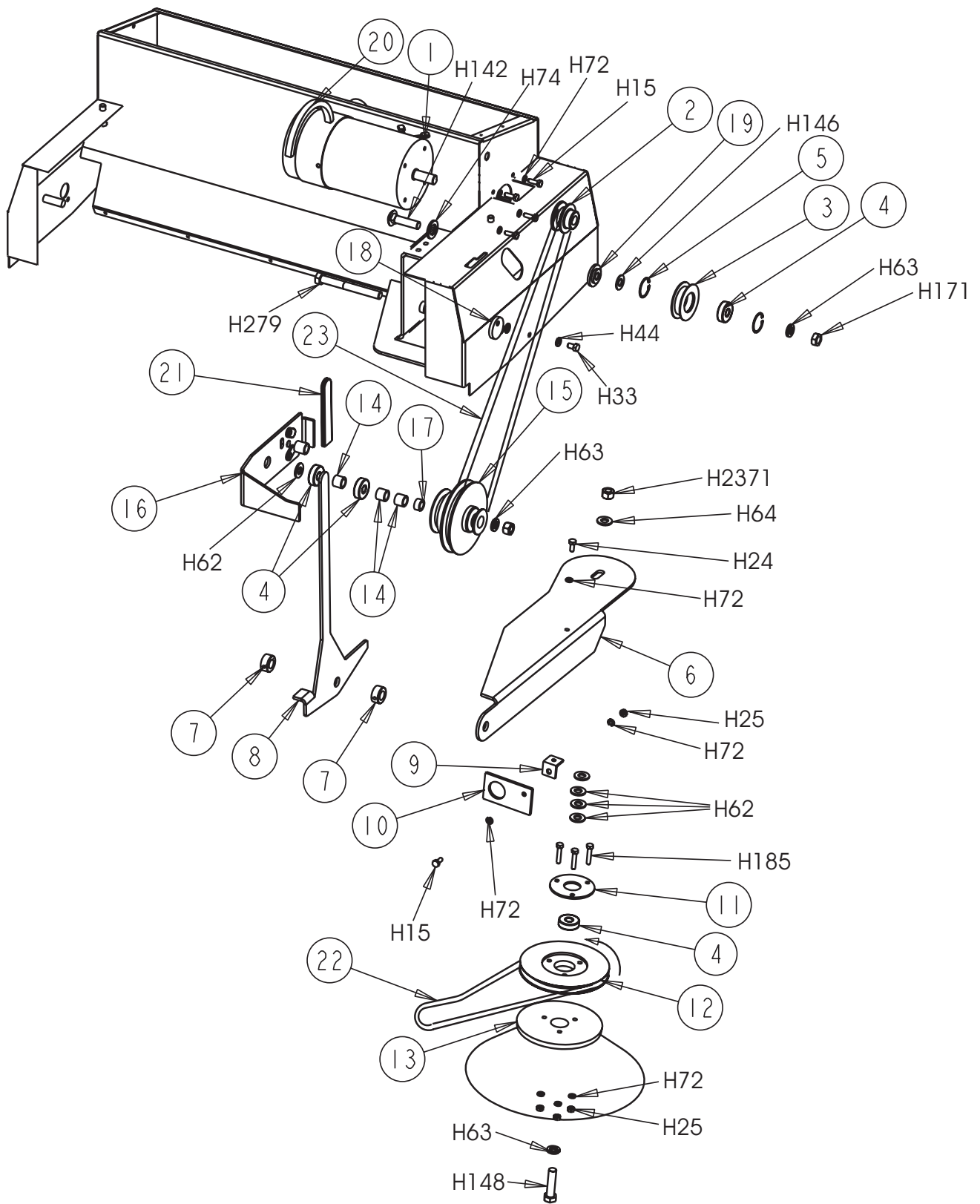


NOTE:
REMOVE (7-30-05105) WHEEL GUARD BEFORE INSTALLING PRESWEEP

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-27-07193	HOUSING, BROOM
2	2	2-95-04689	WASHER, AXLE
3	2	2-95-04182	HEX NUT, 3/8-16 STOP
4	1	7-27-07223	MAIN FRAME WELDMENT
5	2	2-00-00409	FLAT WASHER, .687 x .344 x .062
6	2	2-00-05330	THREADED INSERT, 5/16-18
7	2	2-00-02708	SCREW, 5/16-18 x 1.00 HEX HEAD

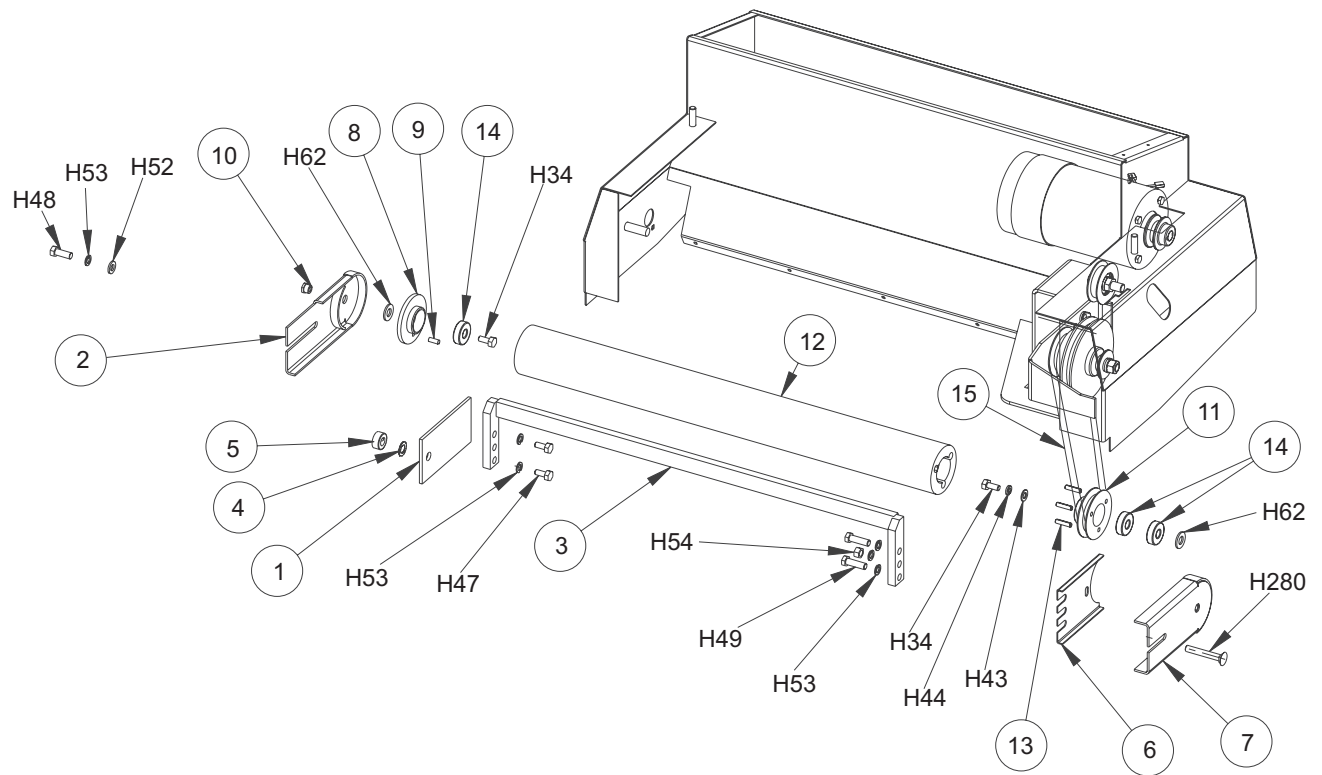
PRE-SWEEP OPTION - BROOM DRIVE

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0782-110	MOTOR- 36 VDC 1/2 HP 1200 RPM (Motor brushes PN: 0775-215 / 4 required)
2	1	7-60-00158	PULLEY-MOTOR
3	1	8-60-00161	IDLER PULLEY - REVERSE
4	4	2-00-03306	BEARING-BALL
5	2	2-00-00532	RING-BEARING RETAINER
6	1	7-03-04184	ARM-SIDE BROOM (SWEEPER OPTION)
7	2	8-15-01002	COLLAR, W/SETSCREW
8	1	7-41-05111	LEVER-BRUSH LIFT (SWEEPER OPTION)
9	1	7-08-00223	BRACKET
10	1	8-30-08021	PLATE-BELT GUIDE
11	1	7-25-06030	FLANGE-SIDE BROOM PULLEY
12	1	7-60-00155	PULLEY-SIDE BROOM
13	1	7-08-03230	SIDE BROOM
14	3	7-75-01139	SPACER-PULLEY SHAFT
15	1	7-60-00157-1	PULLEY-COUNTER SHAFT
16	1	7-81-00145	SUPPORT-MAIN BROOM (RH)
17	1	8-75-01044	SPACER
18	1	7-78-05027	STOP-SIDE BROOM
19	1	7-75-01189	SPACER-IDLER
20	1	7-29-00245	GASKET (6.0 INCHES)
21	1	7-31-06065	HANDLE
22	1	2-00-02111	V BELT (SIDE BROOM)
23	1	2-00-05066	V BELT (MOTOR)
H15	5	2-00-00221	SCREW, 1/4-20 X .750 HHC
H24	1	2-00-00220	SCREW, 1/4-20 X .625 HHC
H25	4	2-00-00594	NUT, HEX 1/4-20 X .437 X .218
H33	1	2-00-00224	SCREW, 5/16-18 X .500 HHC
H44	1	2-00-00530	LOCK WASHER, 5/16 HS MEDIUM
H62	6	2-00-00405	FLAT WASHER, 1.063 X .531 X .094
H63	3	2-00-02312	LOCK WASHER, 1/2 HS MEDIUM
H64	2	2-00-02371	NUT, HEX. 1/2-13 X .750 X .437
H72	10	2-00-00518	LOCK WASHER, HELICAL SPRING
H74	1	2-00-03170	FLAT WASHER, 1.500 X .750 X .125
H142	1	2-00-05244	CARRIAGE BOLT, 1/2-13 X 2.000
H144	1	2-00-02303	LOCK WASHER INT.
H146	1	2-00-00420	FLAT WASHER, 1.00 X .516 X .063
H148	1	2-00-01778	SCREW, 1/2-13 X 2.000 HHC
H171	1	2-00-02371	NUT, HEX JAM .50-13 STL
H185	3	2-00-02588	SCREW, 1/4-20 X 1/125 HHC CAD. PI
H279	1	2-00-04914	SCREW, .50-13 X 4.50 HHC



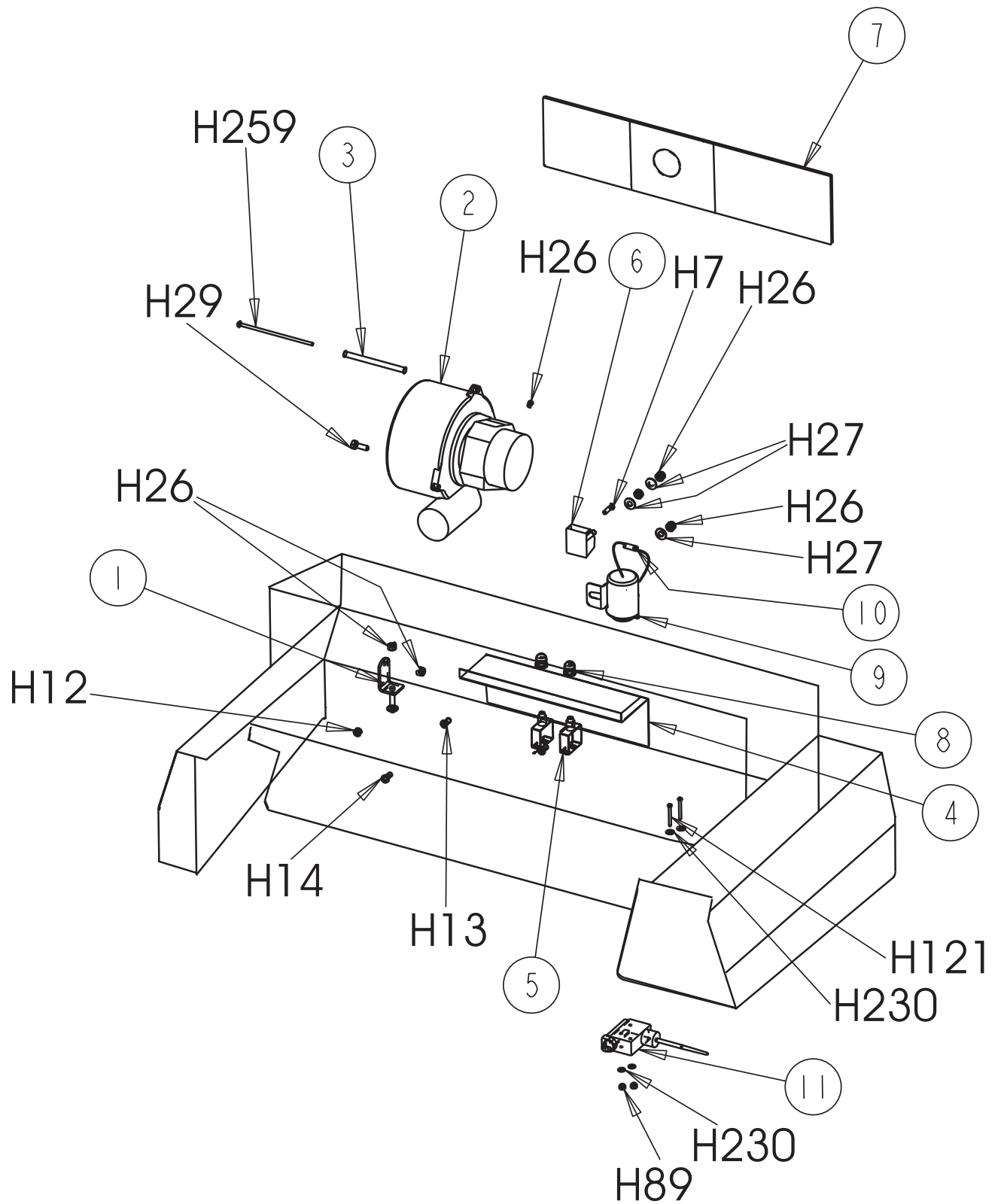
PRE-SWEEP OPTION - MAIN BROOM

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-81-00166	SUPPORT-MAIN BROOM (LH)
2	1	7-03-04185	ARM-BROOM LIFT (LH)
3	1	7-81-00167	YOKE-MAIN BROOM
4	1	2-00-03382	SPRING WASHER
5	1	2-00-03589	COLLAR
6	1	7-30-05104	GUARD-MAIN BROOM
7	1	7-03-04186	ARM-BROOM LIFT (RH)
8	1	7-11-04011	CAP-BROOM END
9	1	2-00-00875	ROLL PIN
10	1	7-23-03056	NUT
11	1	7-60-00156	PULLEY-MAIN BROOM
12	1	7-08-03229	BROOM-MAIN
13	3	2-00-03842	PIN-ROLL 1/4 X 1
14	3	2-00-03306	BEARING-BALL
15	1	2-00-05365	V BELT
H34	2	2-00-00208	SCREW, 5/16-18 X .750 HHC
H43	1	2-00-00409	FLAT WASHER, .687 X .344 X .062
H44	1	2-00-00530	LOCK WASHER, 5/16 HS MEDIUM
H47	2	2-00-00232	SCREW, 3/8-16 X .750 HHC
H48	1	2-00-00233	SCREW, 3/8-16 X 1.000 HHC
H49	2	2-00-00209	SCREW, 3/8-16 X 1.250 HHC
H52	1	2-00-00402	FLAT WASHER, .750 X .390 X .094
H53	6	2-00-02310	LOCK WASHER, HELICAL SPRING 3/8 MEDIUM
H54	1	2-00-02360	NUT, 3/8-16 HEX
H62	2	2-00-00405	FLAT WASHER, 1.063 X .531 X .094
H280	1	2-00-00187	CARRIAGE BOLT, .38-16 X 2.50

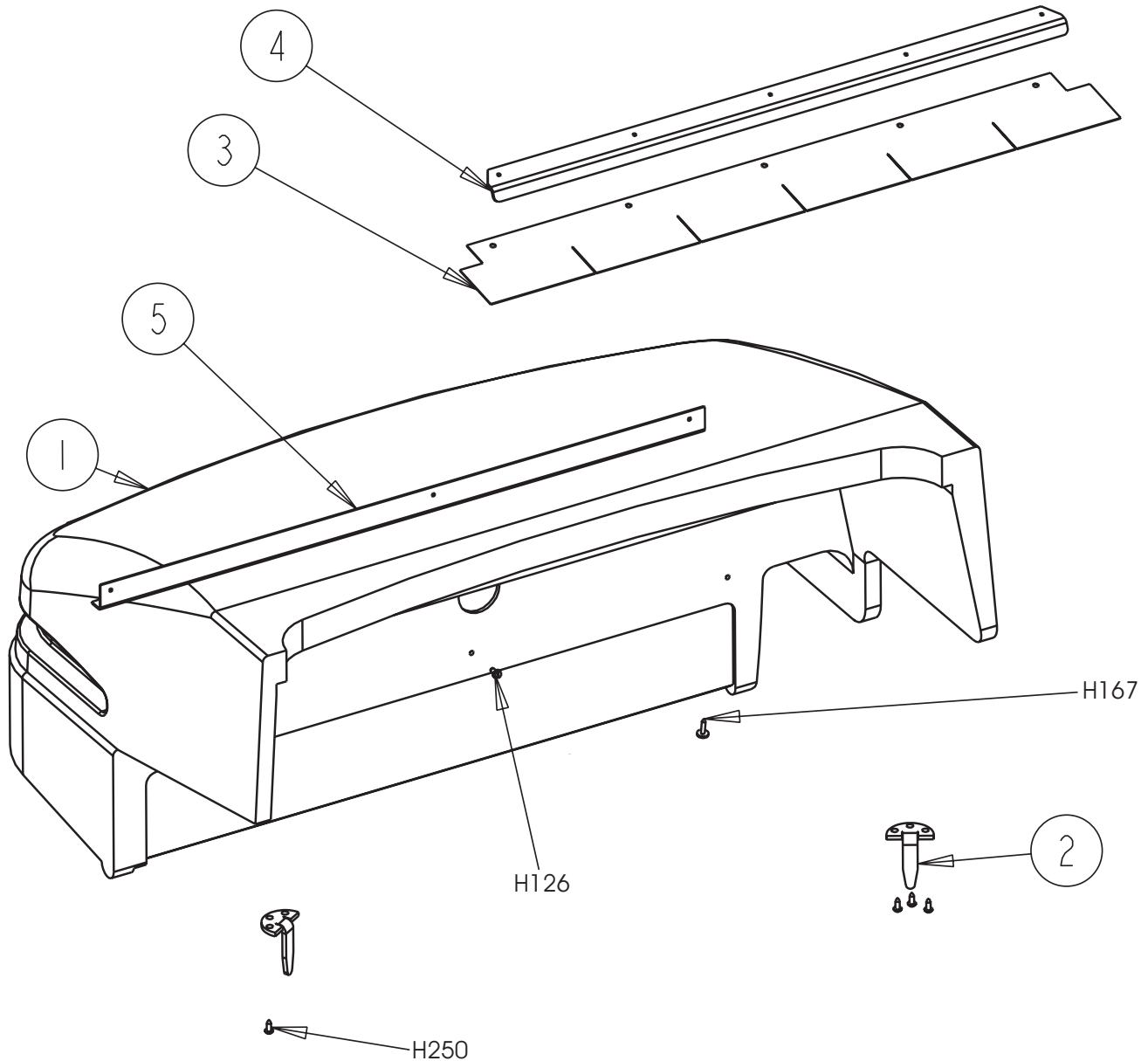


PRE-SWEEP OPTION - DUST CONTROL

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-08-00924	BRKT-VAC MTG
2	1	0782-124	VAC FAN (Motor brushes PN: 0775-186 /2 required)
3	1	7-75-01128	SPACER
4	1	7-16-07408	COVER-C.B. MTG
5	2	7-64-00025	CIRCIUT BREAKER- 25 AMP
6	1	8-06-05004	TERMINAL BLOCK
7	1	7-24-04052	FILTER BAG
8	2	8-11-00051	CAP-CLEAR BOOT
9	1	2-00-04825	SOLENOID
10	1	0775-159	DIODE
11	1	8-82-00058	SWITCH
H7	1	2-00-00056	SCREW, # 10-24 X .750 RHM
H12	1	2-00-01246	NUT, HEX FIBER INSERT #10-24
H13	2	2-00-00054	SCREW, 1/4-20 X .500 RHM
H14	2	2-00-00220	SCREW, 1/4-20 X .500 HHC
H25	1	2-00-00594	NUT, HEX 1/4-20 X .437 X .218
H26	6	2-00-00641	NUT, 1/4-20 INSERT FIBER
H27	4	2-00-03702	WASHER, .625 X .281 X .063
H89	2	2-00-01372	NUT, FIBER INSERT # 8-32 STEEL
H121	2	2-00-00090	SCREW, # 8-32 X 1.500 RHM
H172	1	2-00-04986	SCREW, 1/4-20 X 4.500
H229	1	2-00-01490	SCREW, 1/4-20 X .875 HHC STL
H230	4	2-00-00466	FLAT WASHER, .625 X .203 X .031



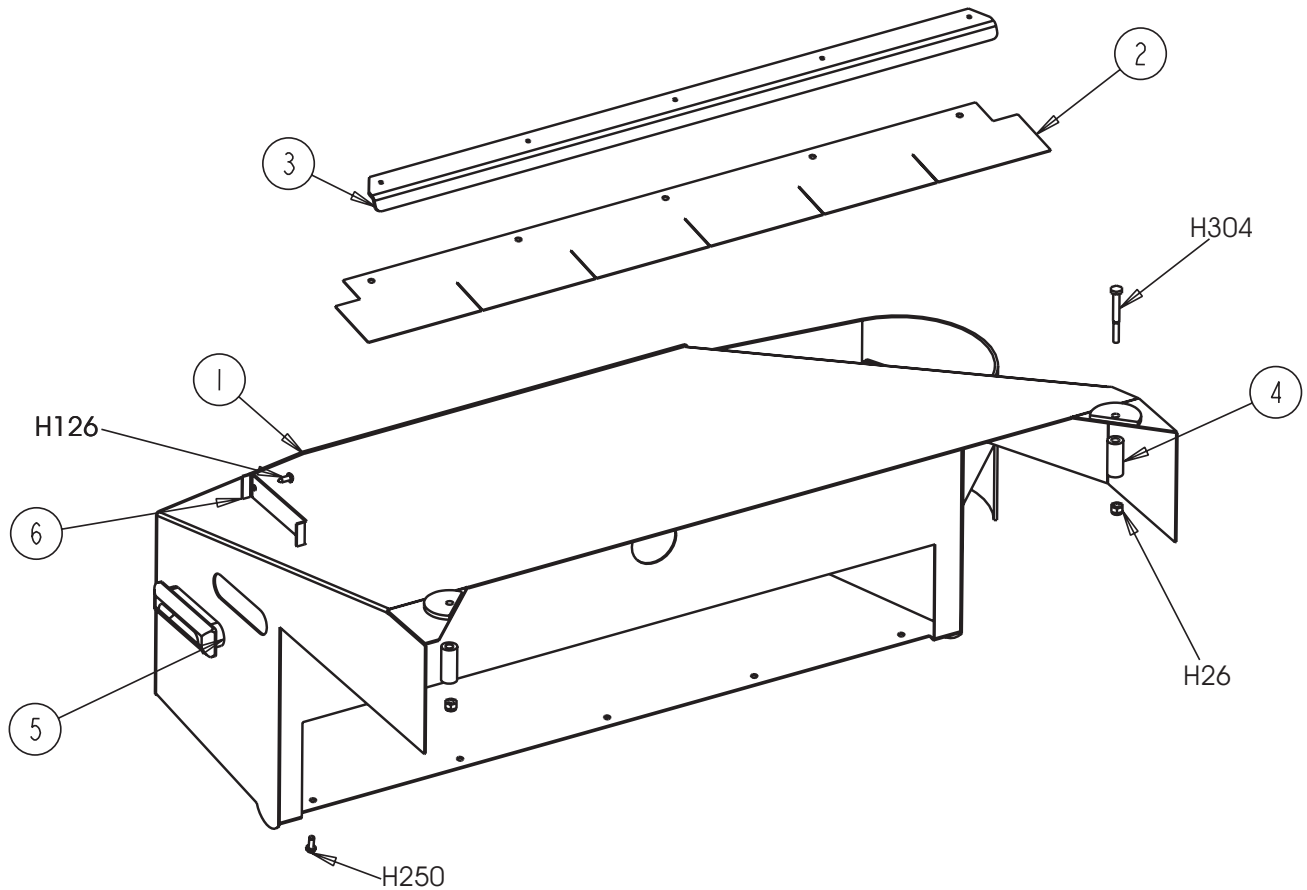
PRE-SWEEP OPTION - HOPPER



Ref# 0780-468-5

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-32-06022	HOPPER (PLASTIC)
2	2	7-55-08160	PIN-HOPPER GUIDE
3	1	7-25-08079	FLAP-HOPPER
4	1	7-13-07193	CLAMP-HOPPER FLAP
5	1	7-08-00950	BRKT-STIFFENER
H126	3	2-00-03466	SCREW, #10-24 X .500
H167	5	2-00-04312	SCREW, #10-24 X .625 T/C HEX HD
H250	6	2-00-04968	SCREW, T/FRH #14-10 X 1.000 TYPE A

PRE-SWEEP OPTION - STEEL HOPPER



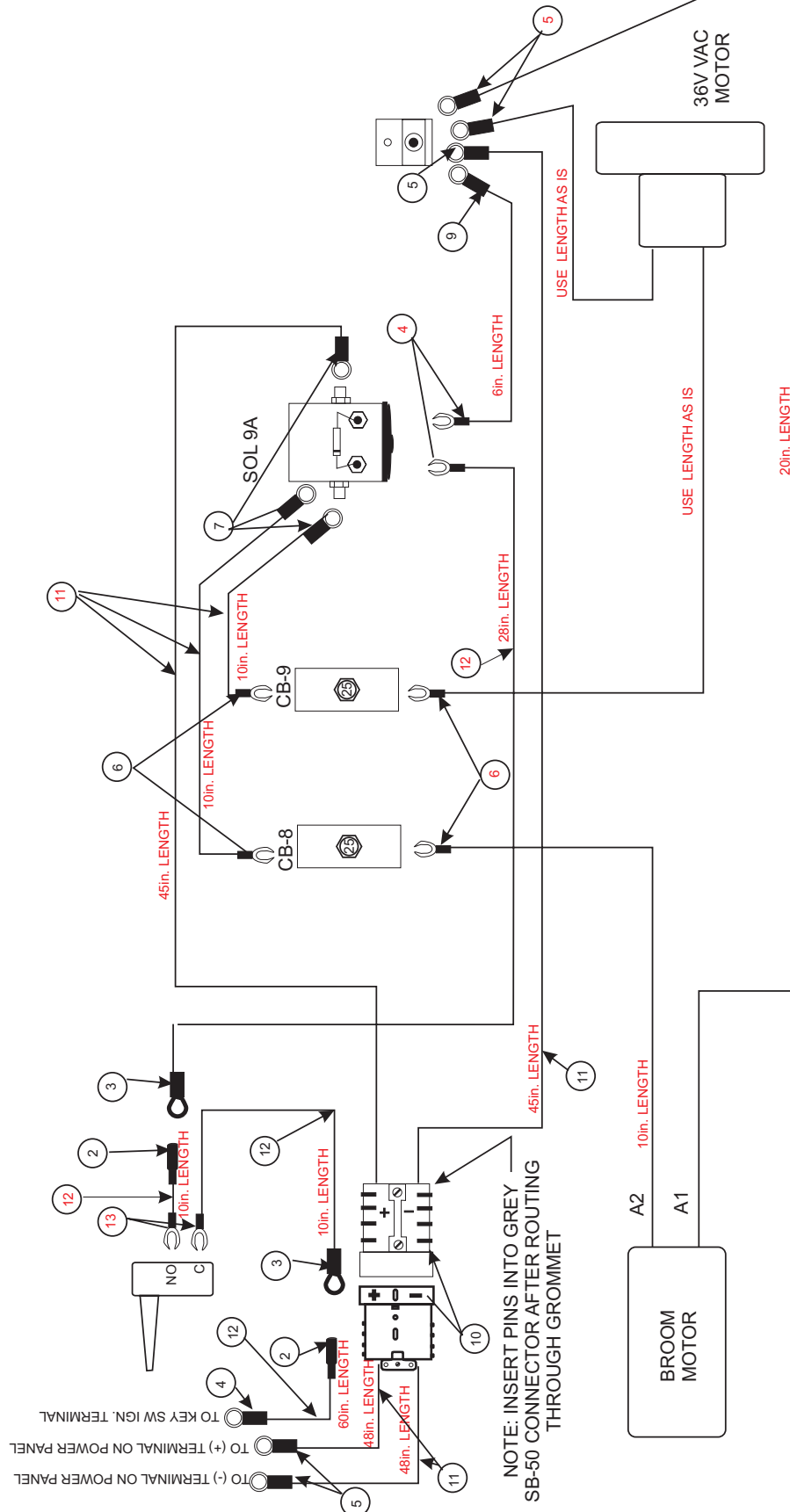
Ref# 0780-468

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-32-06023	HOPPER (STEEL)
2	1	7-25-08079	FLAP HOPPER
3	1	7-13-07193	CLAMP-HOPPER FLAP
4	2	7-30-08020	GUIDE-HOPPER
5	2	8-31-06078	HANDLE
6	2	8-79-00098	BRACKET
H26	2	2-00-00641	NUT, 1/4-20 INSERT FIBER
H126	4	2-00-03466	SCREW, #10-24 X .500
H136	5	2-00-03940	SCREW, #10-24 X .500 T/C HH
H304	2	2-00-00246	SCREW, .25-20 X 2.25 HHC

PRE-SWEEP OPTION - WIRING

ITEM	QTY	PART NUMBER	DESCRIPTION
2	2	2-00-04626	TERM.-.156 FEM.BULLET
3	2	2-00-04578	TERM.-.156 MALE BULLET
4	3	2-00-04281	TERM.-#10 RING
5	5	2-00-04859	TERM.-.25 RING
6	4	2-00-04714	TERM.-#6SS
7	3	2-00-04284	TERM.-.31 RING
9	1	2-00-02010	TERM.-.25 RING
10	2	2-00-05411	SB-50 CONNECTORS
11	18FT	3-61-00043	WIRE-10 AWG
12	10FT	3-61-00189	WIRE-16 AWG
13	2	2-00-04808	TERM.-#8SS

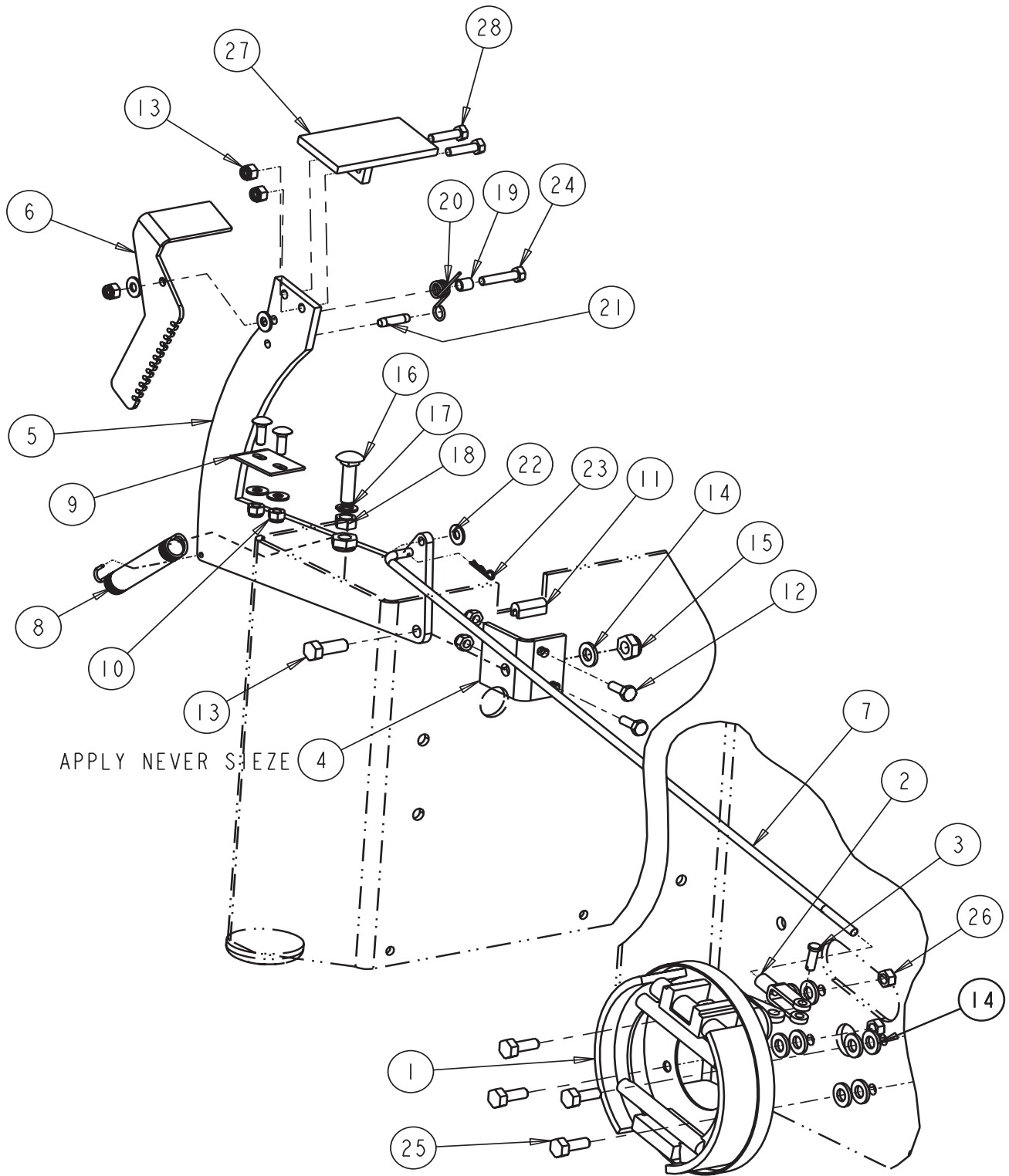
**NOTE: TIE ALL WIRES TOGETHER AS NEEDED USING TYE-RAPS
CUT LENGTHS OF ITEMS #11 & 12 AS NEEDED**



SECONDARY (REAR) BRAKE OPTION

OPTION NO. 0780-552

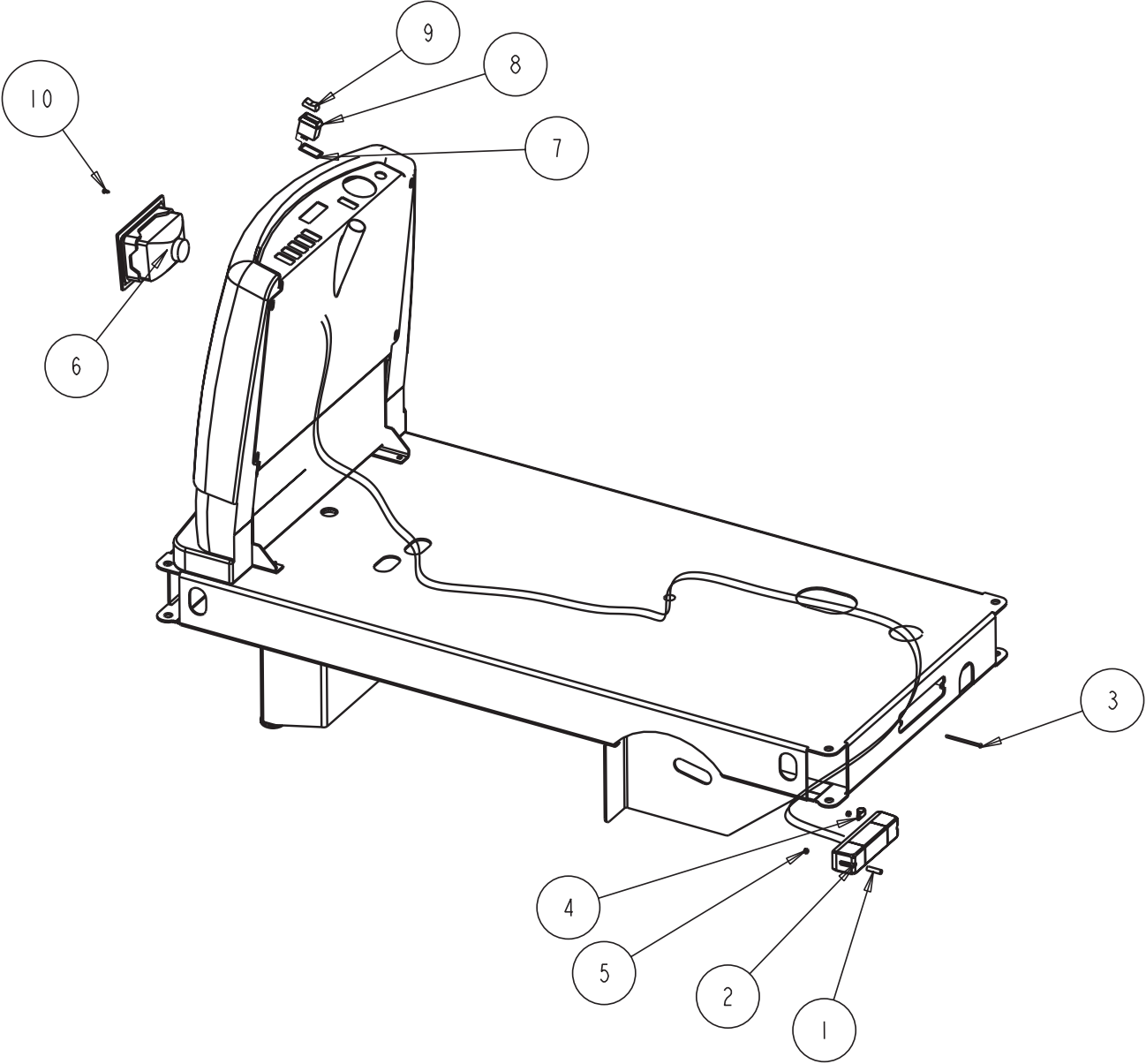
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0860-636	BRAKE -LH
2	1	8-14-01006	CLEVIS
3	1	2-00-04909	PIN, 1/4 X 3/4 LG
4	1	7-08-01146	BRACKET, BRAKE PIVOT
5	1	7-55-00040	PEDAL, BRAKE
6	1	7-55-05070	PEDAL, PARKING BRAKE
7	1	7-66-00204	ROD-BRAKE LH
8	1	8-76-00054	SPRING
9	1	7-13-07226	CLIP-PARKING BRAKE
10	7	2-00-00641	NUT, FIBER INSERT 1/4-20
11	1	8-21-04048	EDGING - BROOM CHAMBER
12	2	2-00-00221	BOLT-HEX HEAD, FINISHED, 1/4-20x3/4 lg
13	1	2-00-00233	BOLT-HEX HEAD, FINISHED, 3/8-16 x 1.00
14	9	2-00-00402	WASHER, 25/64" ID X 3/4" OD
15	2	2-00-00643	LOCKNUT-ELASTIC, 3/8-16
16	REF.	2-00-03750	BOLT, 3/8-16 x 1.5" CARRIAGE
17	1	2-00-02310	WASHER-LOCK, 3/8", HELICAL SPRING
18	1	2-00-02360	NUT, HEX, 3/8-16
19	1	8-09-01069	SPACER, .259 ID X .355 OD X .375 LG
20	1	7-76-00013	SPRING-SQUEEGEE RELEASE PEDAL
21	1	2-00-05916	PIN, COILED SPRING
22	5	2-00-03702	WASHER, .625 x .281 x .063
23	1	2-00-05249	HAIR PIN (COTTER)
24	1	2-00-00222	1/4-20 X 1.25 LG HEX HEAD SCREW
25	4	2-00-01255	5/16-18 X 7/8 LG HEX HEAD SCREW
26	4	2-00-00644	NUT, HEX, INSERT FIBER, 5/16-18
27	1	7-55-00041	PEDAL, BRAKE
28	2	2-00-00205	BOLT, 1/4-20 FINISHED HEX HEAD



LIGHT PACKAGE OPTION

OPTION NO. 0780-557

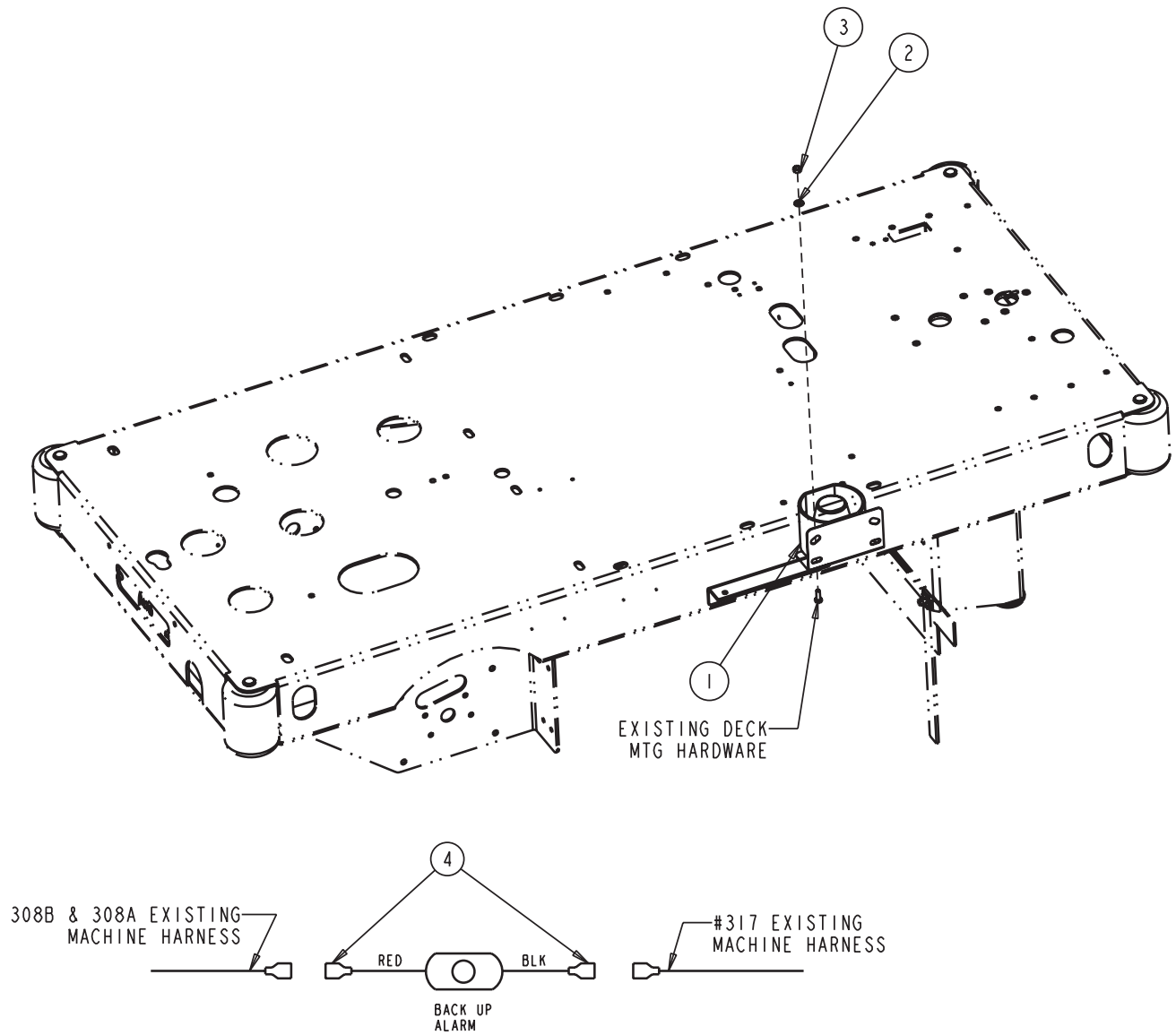
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	8-75-01207	SPACER-TAILLIGHT MTG
2	1	8-40-05044	TAIL LIGHT, 12 V
3	2	2-00-02933	SCREW
4	1	2-00-04210	CLAMP
5	2	2-00-01246	NUT-#10-24 ELASTIC STOP NUT
6	1	8-40-05052	HEAD LIGHT
7	1	2-00-05869	GASKET, SWITCH
8	1	2-00-05827	SWITCH BODY
9	1	2-00-05837	ACTUATOR, LIGHT PACKAGE
10	4	2-00-03466	SCREW #10 X 16.50 ZN SELF TAPPING



BACK-UP ALARM OPTION

OPTION NO. 0780-551

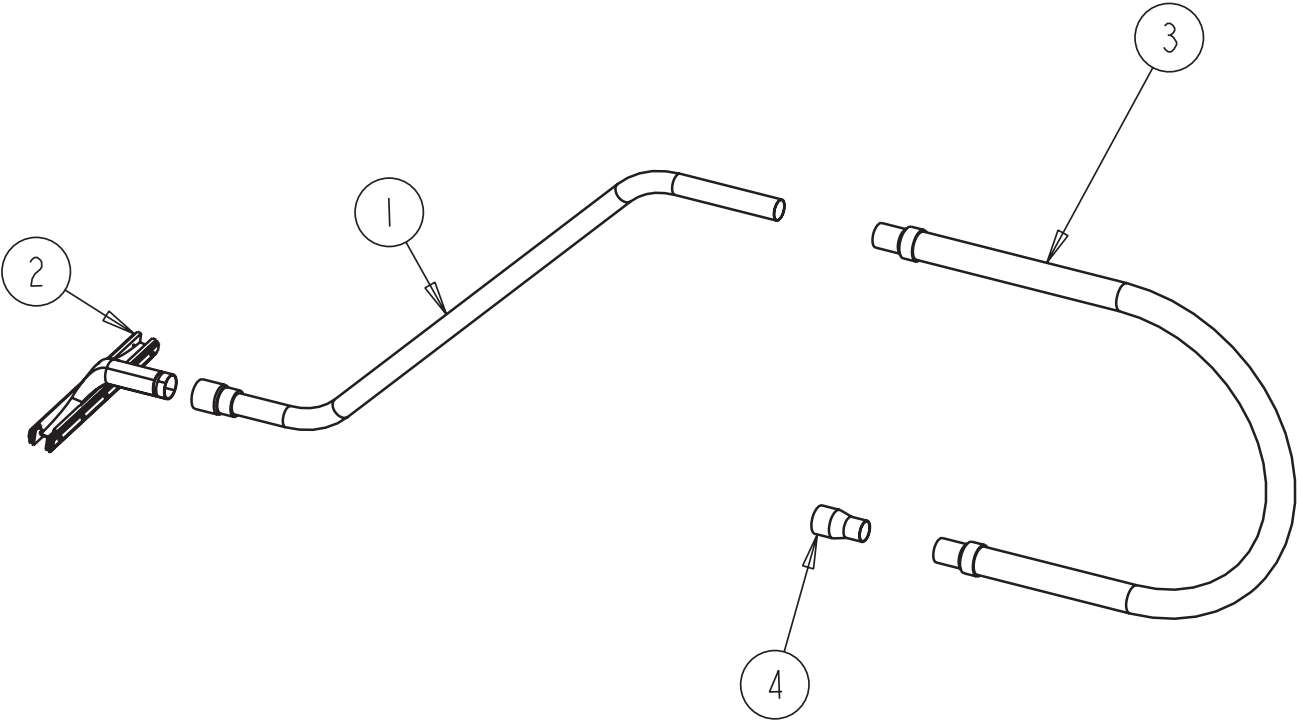
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	8-32-09009	BACK UP ALARM
2	1	2-00-03702	WASHER, .625 X .281 X .063
3	1	2-00-00644	HEX NUT, 5/16-18 INSERT FIBER
4	2	8-11-00015	CONNECTOR



SQUEEGEE WAND OPTION

OPTION NO. 0780-429

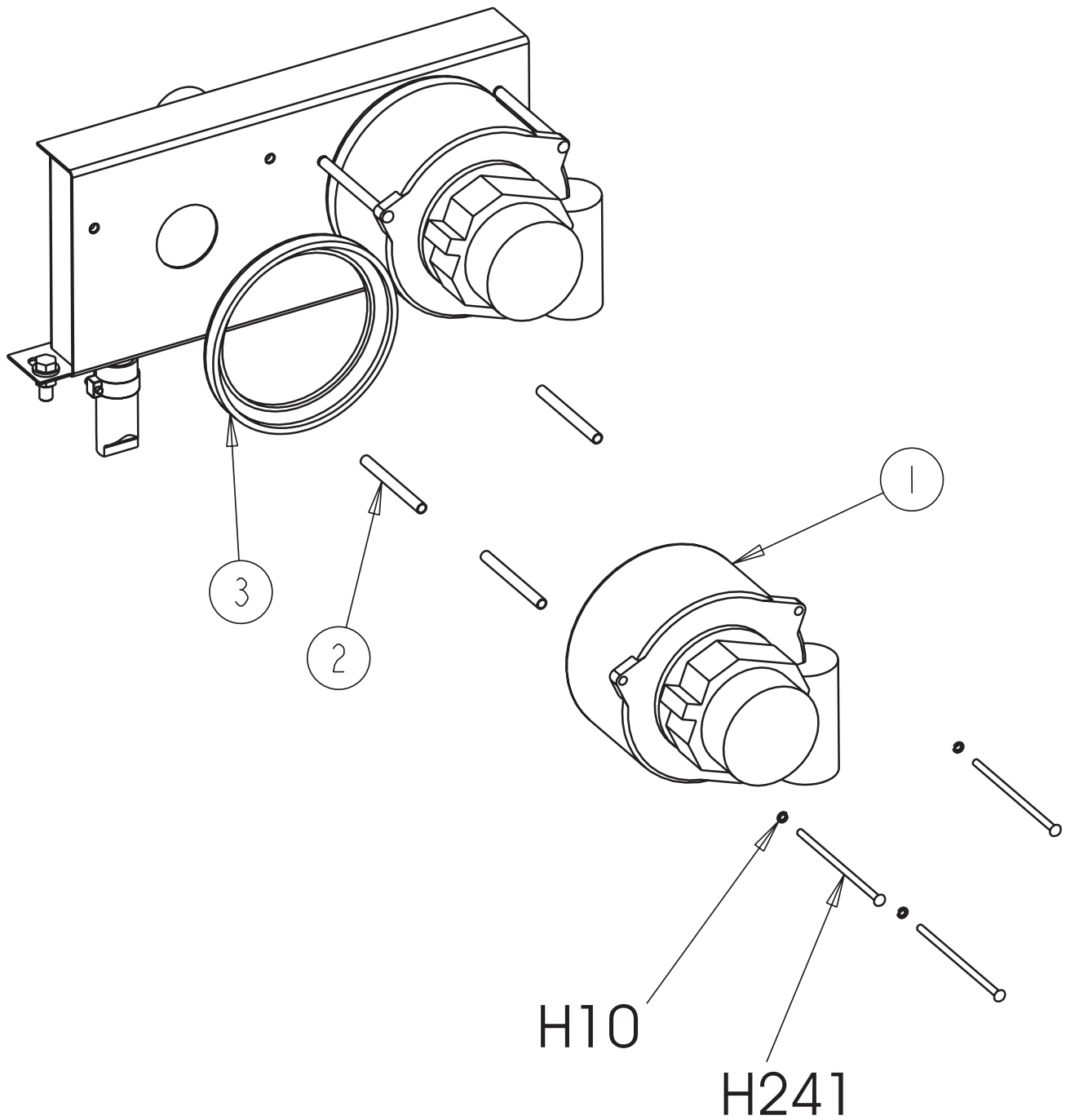
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0261-025	WAND ASSEMBLY
2	1	0261-024	TOOL ASSEMBLY
3	1	7-33-02213	HOSE-VAC
4	1	7-03-00044	ADAPTER-TRANSITION



DUAL VACCUM SYSTEM OPTION

OPTION NO. 0780-427

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0782-124	VAC FAN (Motor brushes PN: 0775-186 /2 required)
2	3	7-75-01184	SPACER
3	1	2-22-00003	MOTOR MOUNTING RING
4	1	7-64-00032	CIRCUIT BREAKER - 50A
5	2	2-00-05065	TERMINAL-WIRE NUT (BLUE) (NOTE 3)
6	2	2-00-01862	TERMINAL-#10 RING
H10	3	2-00-00519	LOCK WASHER, #10 MEDIUM HS
H241	3	2-00-05395	SCREW, RHM 25-20 X 4.00 ZINC

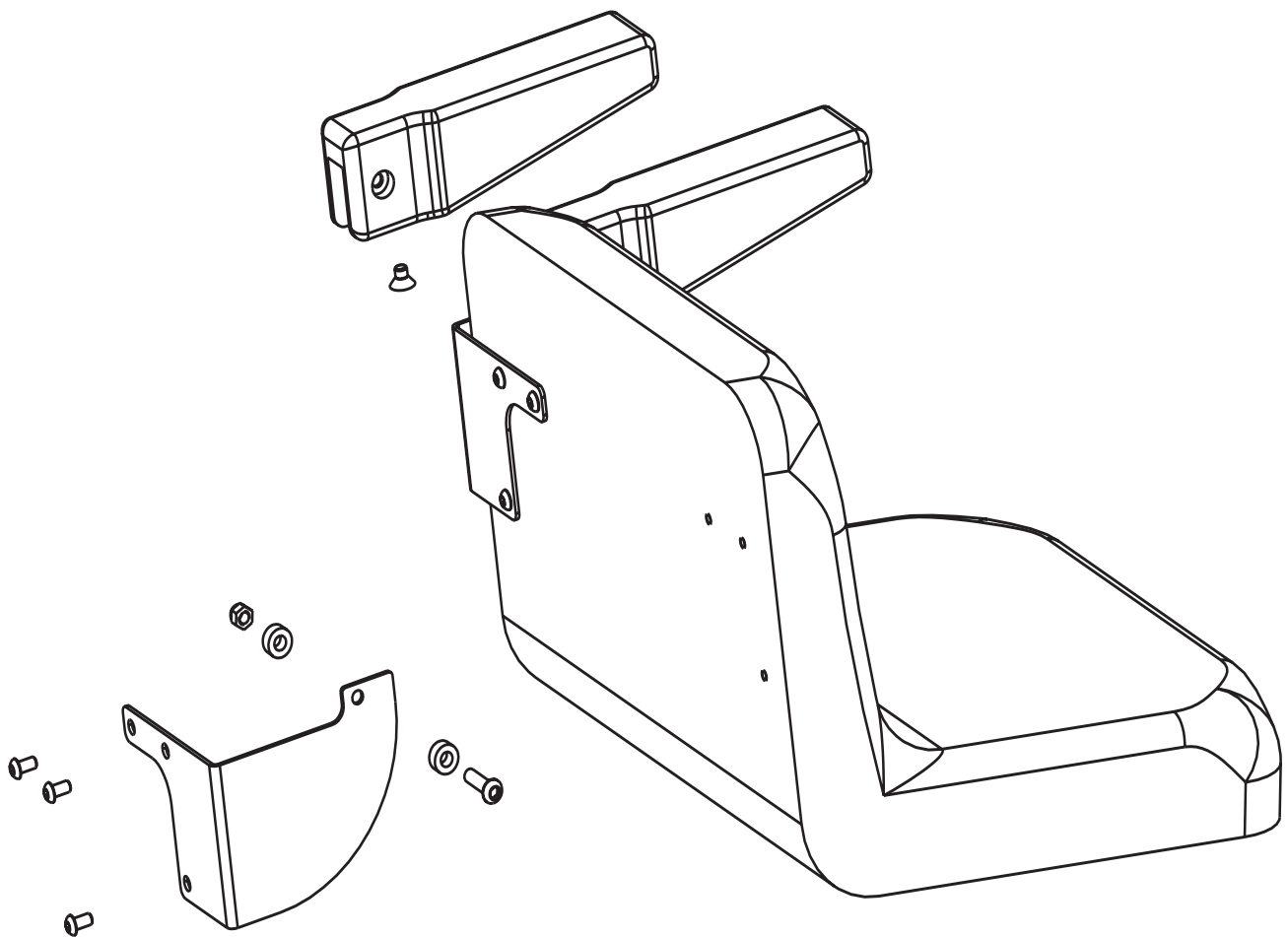


ARM RESTS OPTION

OPTION NO. 0780-470

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-69-00005	LEFT ARM BRACKET
2	*	REF	RIGHT ARM BRACKET
3	*	REF	MOLDED ARM BRACKET
4	*	REF	3/8-16 x 1.50 LG BHSCS
5	*	REF	3/8-16 x .50 LG FHSCS
6	*	REF	3/8-16 CENTER LOCK ACORN NUT
7	*	REF	5/16-18 x .63 LG BHSCS
8	*	REF	NYLON SPACER

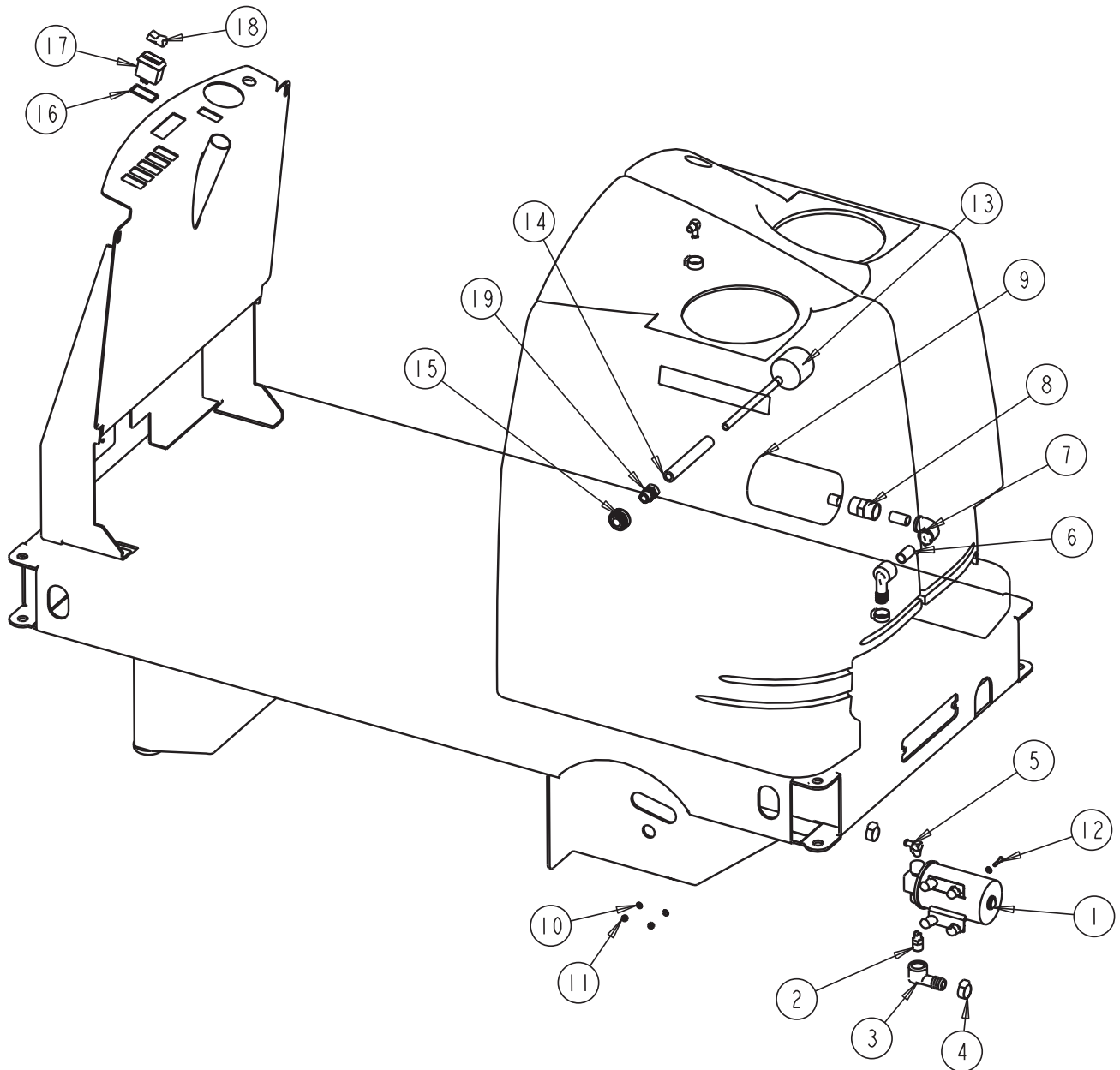
NOTE- * ARM REST KIT 7-69-00005 INCLUDES PARTS DESCRIBED.



ESP RECOVERY OPTION

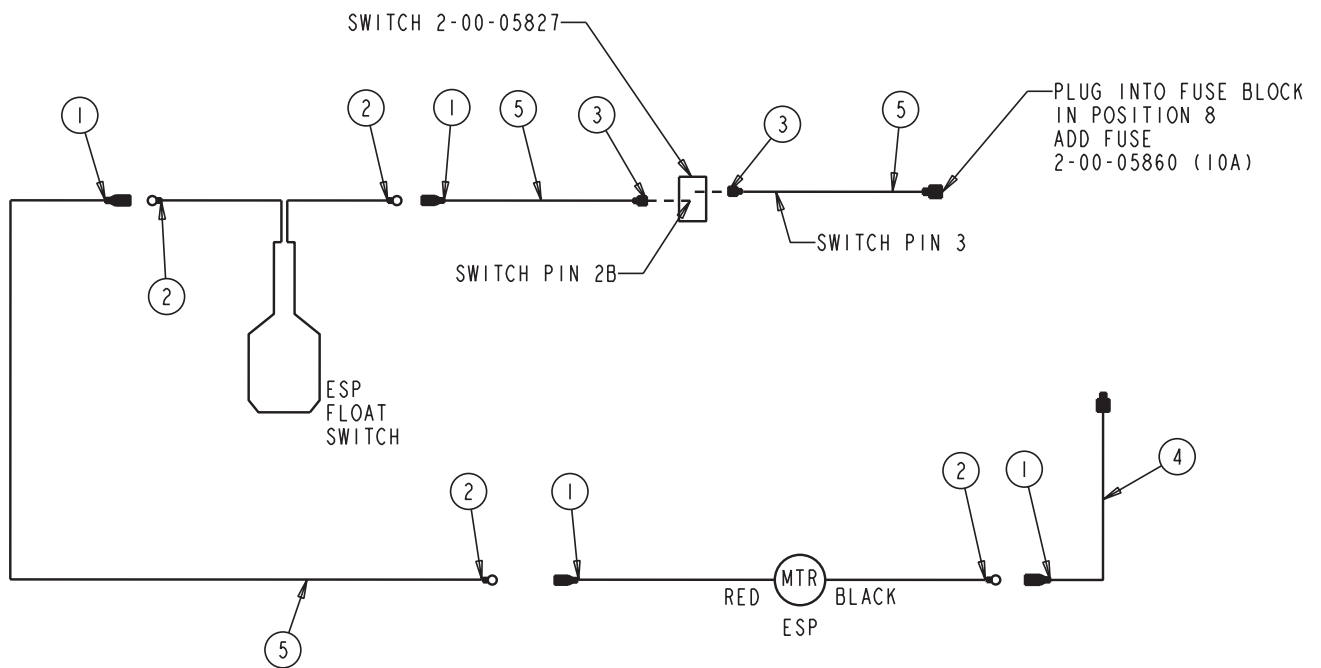
OPTION NO. 0780-556

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-60-05013	PUMP-RECYCLING (36 VDC)
2	1	7-25-02062	FITTING-REDUCER NIPPLE
3	2	2-00-05132	FITTING-ELBOW
4	4	2-00-03407	HOSE CLAMP- WITTECK #10P
5	2	7-25-02061	FITTING
6	2	2-00-05131	FITTING-NIPPLE
7	1	2-00-05083	FITTING- 90 DEGREE 3/4 NPT ELBOW
8	1	2-00-04736	PIPE CONNECTOR
9	1	7-24-04038	FILTER-PUMP INLET
10	8	2-00-00426	WASHER-FLAT .500 x .219 x .063
11	4	2-00-01246	NUT-#10-24 ELASTIC STOP NUT
12	4	2-00-00039	SCREW #10-24
13	1	0775-164	FLOAT SWITCH (GRAY)
14	1	7-87-02191	TUBE-FLOAT SWITCH
15	1	7-09-01124	BULKHEAD FITTING
16	1	2-00-05869	GASKET, SWITCH
17	1	2-00-05827	SWITCH BODY
18	1	2-00-05838	ACTUATOR, ESP
19	1	7-09-01122	BUSHING



ESP RECOVERY OPTION WIRING

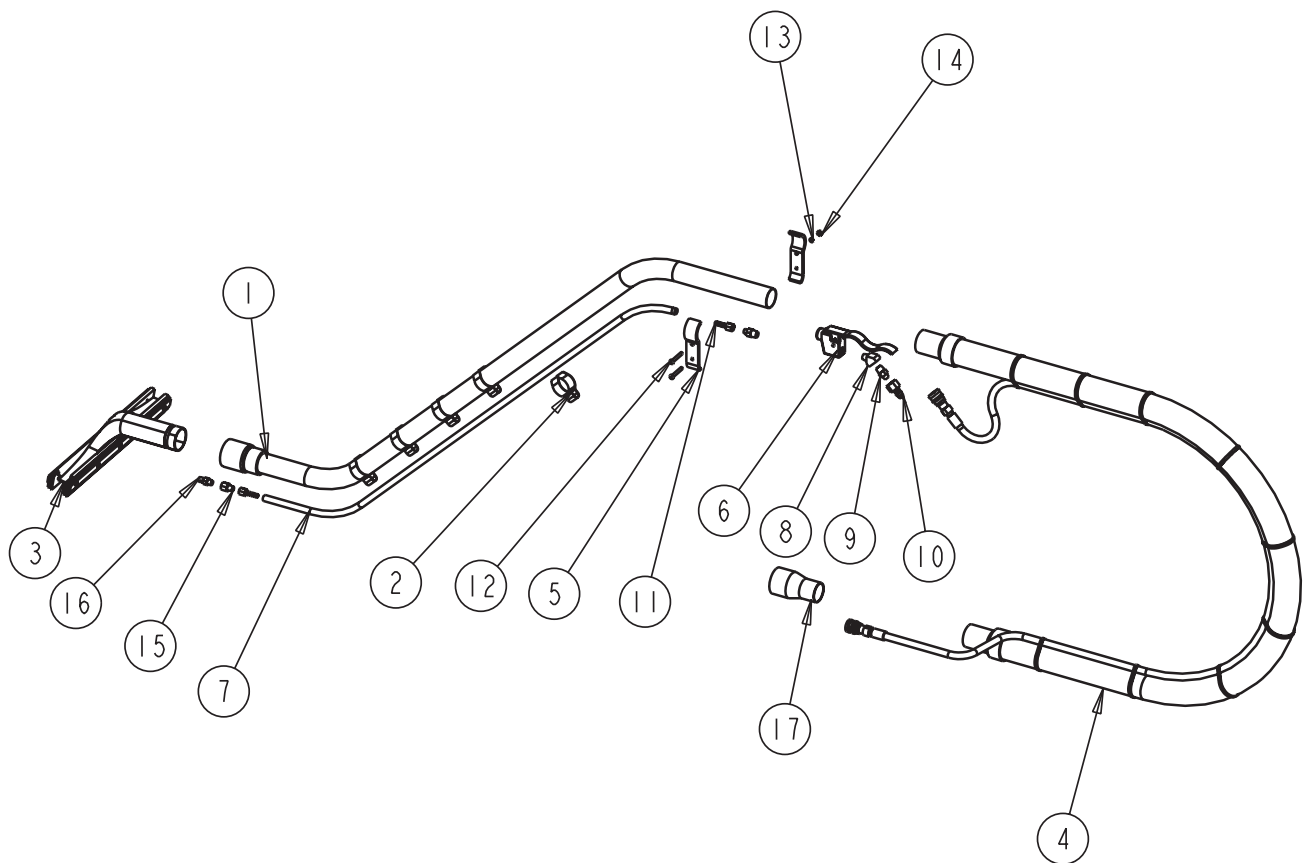
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	2-00-04626	TERMINAL (.156 FEMALE)
2	4	2-00-04578	TERMINAL (.156 MALE)
3	3	2-00-03418	TERMINAL-.25 FISO FEMALE
4	1	3-61-00189	WIRE-16GA (BLACK)
5	1	3-61-00193	WIRE-16GA (RED)



SPRAY WAND OPTION

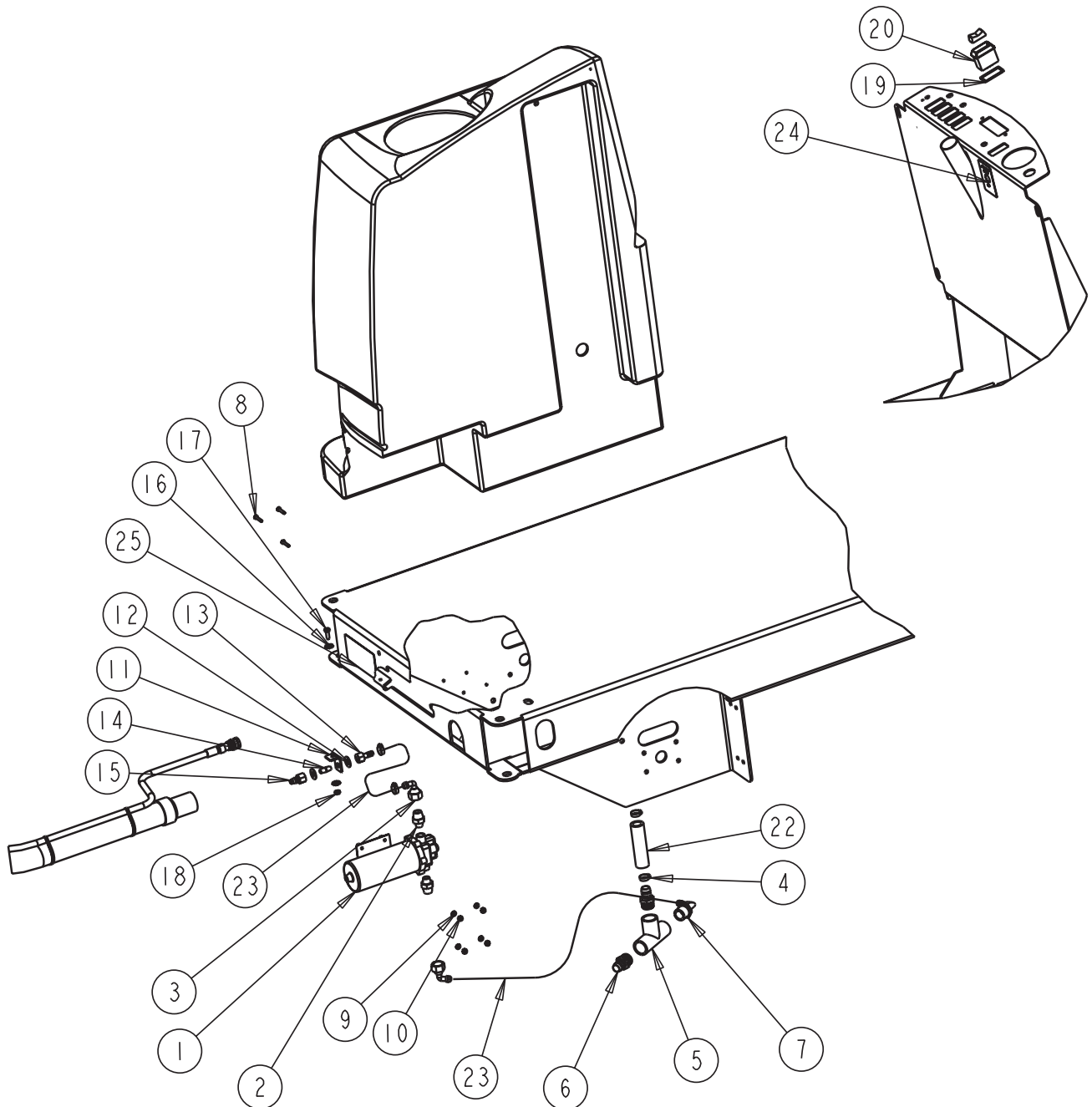
OPTION NO. 0780-558

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0261-025	WAND ASSEMBLY
2	5	7-13-07140	CLAMP, HOSE
3	1	0261-024	TOOL ASSEMBLY
4	1	0261-029	HOSE ASSEMBLY
5	2	7-13-07139	CLAMP, VALVE
6	1	7-88-00058	VALVE-SOLUTION 1/4 NPT
7	1	7-33-02306	HOSE, SOLUTION FEED
8	1	8-56-05026	45 STREET ELBOW
9	2	2-00-05206	REDUCER-MALE PIPE 1/4 X 1/8
10	1	7-16-05028	COUPLING, QUICK DISCONNECT
11	2	2-00-05207	ADAPTER, 1/4 HOSE X 1/8 NPT
12	2	2-00-00089	SCREW #10-24 X1.5 LG, RHM
13	2	2-00-04686	WASHER
14	2	2-00-00605	NUT-#10-24 HEX
15	1	2-00-05208	ADAPTER- 1/8 PIPE, BRASSE
16	1	7-50-01002	SPRAY NOZZLE
17	1	7-03-00044	ADAPTER-TRANSITION



SPRAY WAND OPTION CON'T.

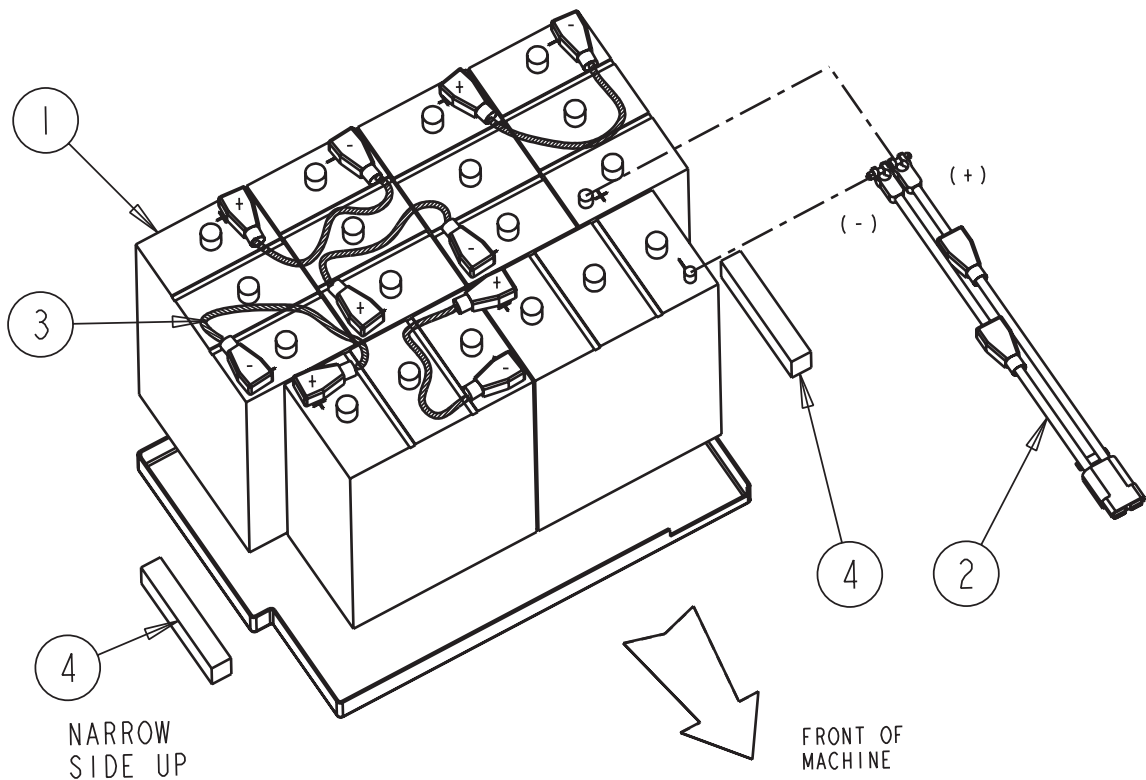
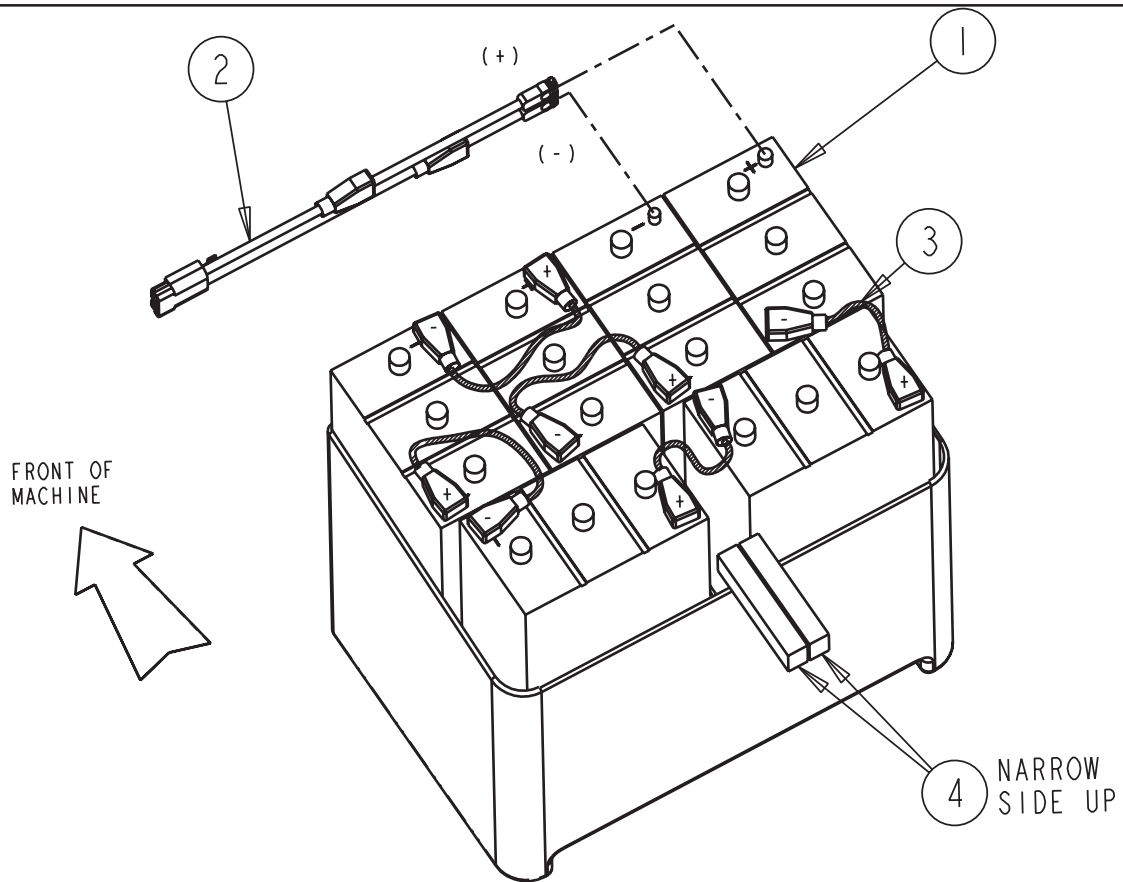
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-60-05017	PUMP-WATER 36 VDC
2	2	7-03-00047	ADAPTER-PLASTIC 3/8-1/2 NPT
3	2	7-25-02073	FITTING-90 DEGREE ELBOW 1/2 NPT X 3/8 BARB
4	4	2-95-04388	CLAMP, HOSE
5	1	7-25-02037	FITTING-PLASTIC (TEE)
6	2	7-25-02012	FITTING, 3/4" NPT X 3/4" BARBED
7	1	2-00-04655	FITTING-90\$^ ELBOW (NYLON)
8	4	2-00-00039	SCREW #10-24
9	4	2-00-00460	WASHER-FLAT .438 X .192 X .031
10	4	2-00-01246	NUT-#10-24 ELASTIC STOP NUT
11	1	7-08-00769	BRACKET-HOSE CONNECTION
12	2	2-00-00415	WASHER, .94ID X .47ODX.062
13	1	2-00-05211	ADAPTER- 3/8 HOSE BARB X 1/8 NPT (F)
14	1	2-00-03875	CLOSE NIPPLE (BRASS)
15	1	7-16-05028	COUPLING, QUICK DISCONNECT
16	2	2-00-00503	WASHER, LOCK 1/4-20
17	1	2-00-00221	BOLT-HEX HEAD, FINISHED, 1/4-20x3/4 lg
18	1	2-00-00594	NUT, HEX 1/4-20
19	1	2-00-05869	GASKET, SWITCH
20	1	2-00-05827	SWITCH BODY
21	1	2-00-05838	ACTUATOR, ESP
22	1	3-71-03025	HOSE
23	1	3-71-00081	HOSE, 3/8" I. D. X 36.0"
24	1	7-18-00217	DECAL-POWER WAND
25	1	7-18-00121	DECAL-WARNING



BATTERY 370 A.H. OPTION

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	REF	BATTERY-6V LEAD ACID (WET - OPTION 0780-203)
1	6	REF	BATTERY-6V LEAD ACID (DRY - OPTION 0780-204)
2	1	0875-102	CONNECTOR ASSEMBLY (TO BATTERY)
3	5	7-90-07286	BATTERY CONNECTOR WIRE
4	2	8-75-01206	SPACER-BATTERY PAN (6) VOLT

BATTERY 370 A.H. OPTION

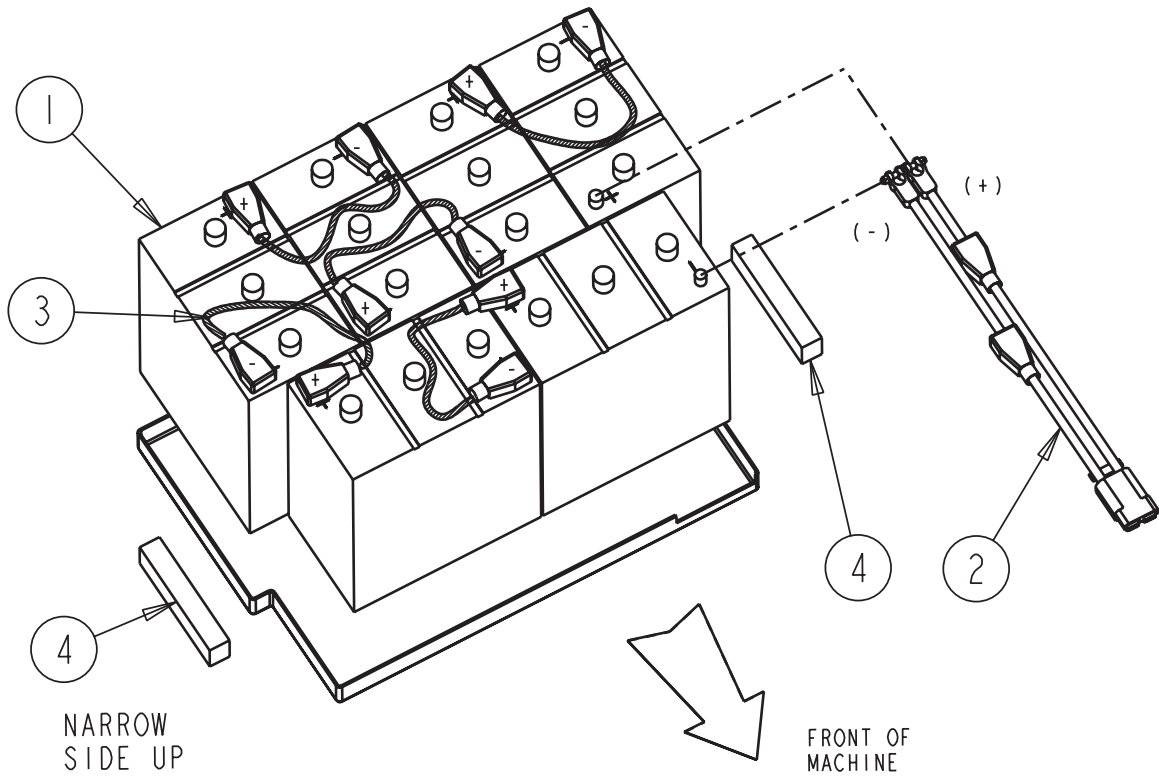
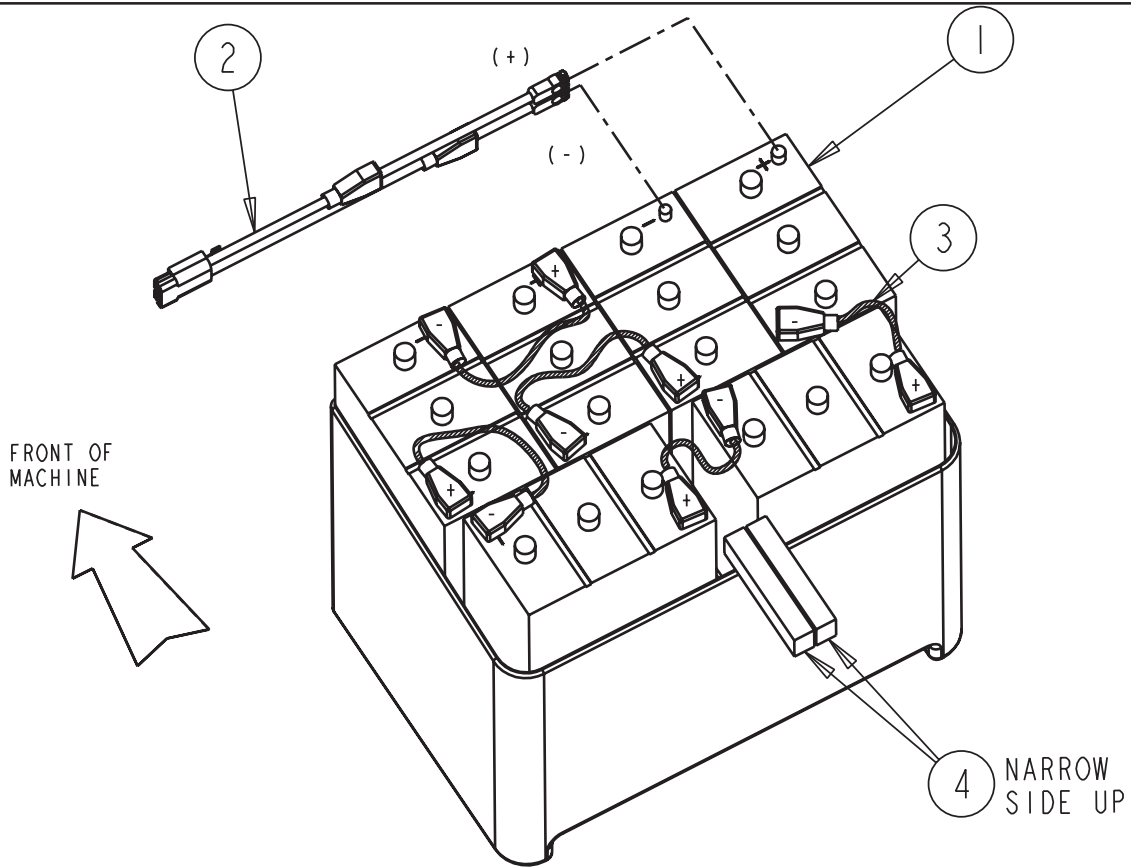


Ref# 0780-203

AMERICAN-LINCOLN
SR5730

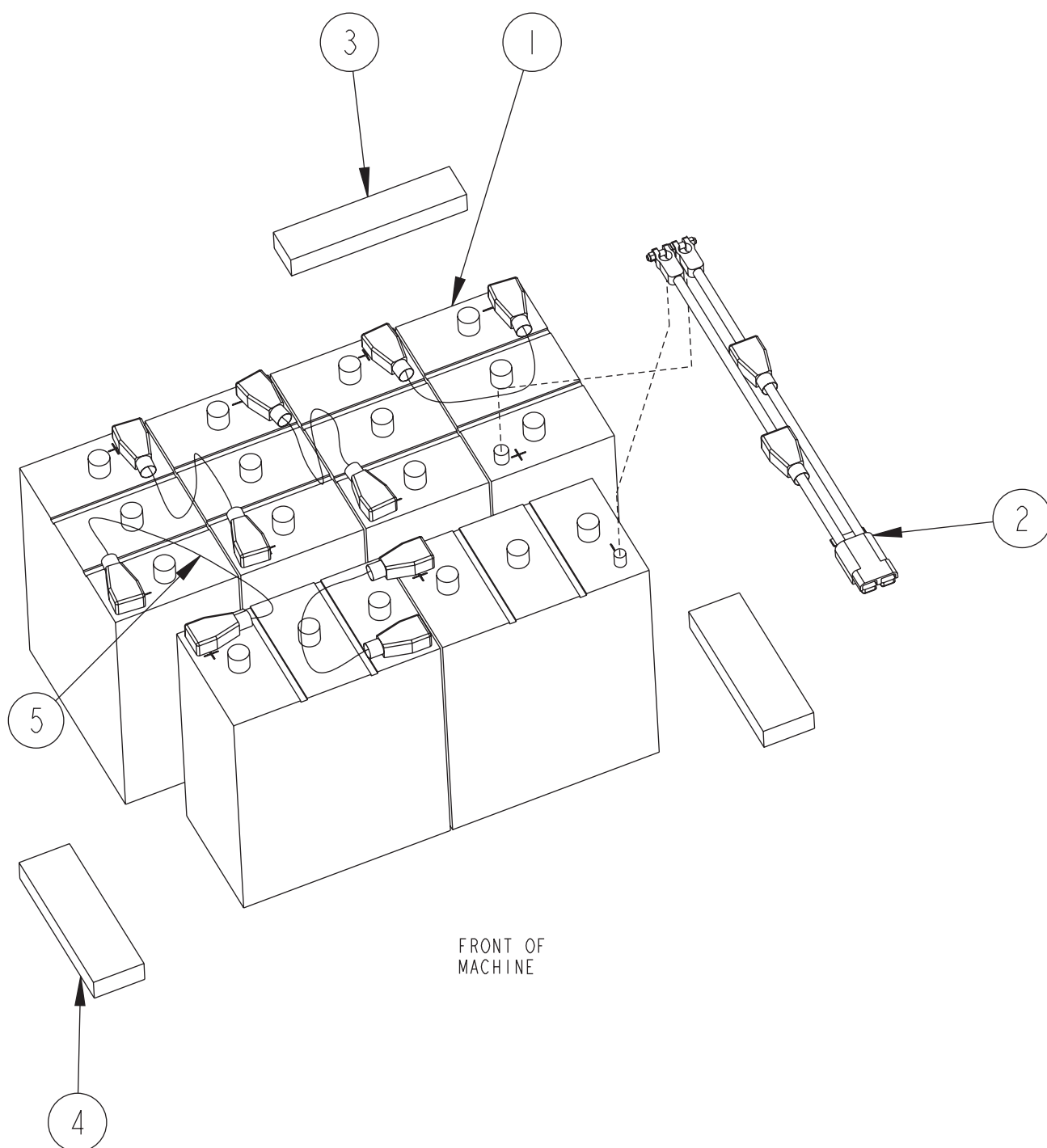
BATTERY 330 A.H. OPTION

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	REF	BATTERY-6V LEAD ACID (WET - OPTION 0780-205)
	6	REF	BATTERY-6V LEAD ACID (DRY - OPTION 0780-206)
2	1	0875-102	CONNECTOR ASSEMBLY (TO BATTERY)
3	5	7-90-07286	BATTERY CONNECTOR WIRE
4	2	8-75-01206	SPACER-BATTERY PAN (6) VOLT



BATTERY 235 A.H. OPTION

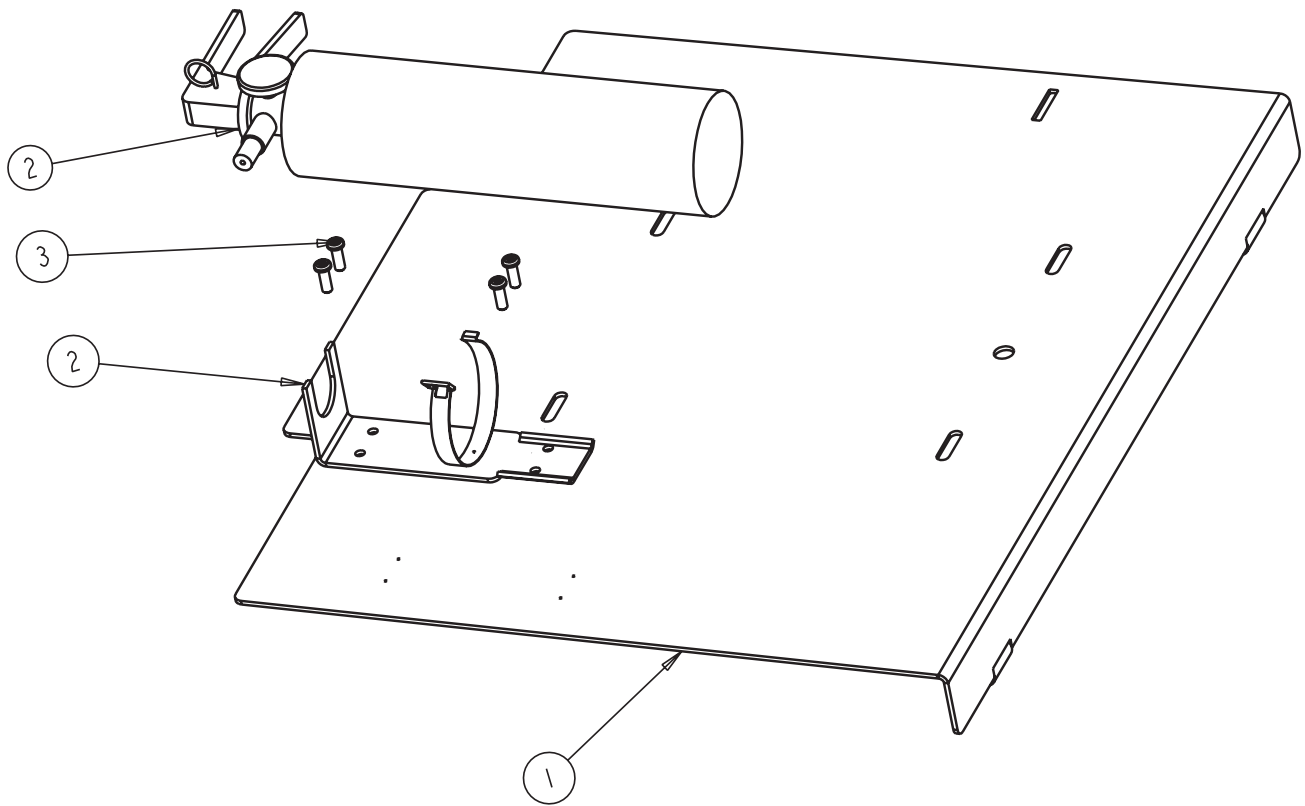
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	REF	BATTERY-6V LEAD ACID (WET - OPTION 0780-731)
2	1	0875-102	CONNECTOR ASSEMBLY (TO BATTERY)
3	1	7-75-01281	SPACER, BATTERY PAN (6) VOLT
4	2	7-75-01280	SPACER, BATTERY PAN (6) VOLT
5	5	56393742	CABLE ASSEMBLY, .6 x 9



FIRE EXTINGUISHER OPTION

OPTION NO. 0780-462

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7-16-07406	SEAT DECK WELDMENT
2	1	8-83-04033	FIRE-EXTINGUISHER 2 1/2 POUND
3	4	2-95-01998	SCREW #14-10 X .75 T/F RH



r

BRUSHES AND PAD DRIVERS (34")

PAD ASSEMBLY 17" (17520C)

QTY	PART NUMBER	DESCRIPTION
1	53135B	PAD DRIVER, MODEL FACE 17" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1
1	56941A	CENTER- LOK 3
3	962737	SCREW, #8 X 5/8 PAN HD PHILLPS, SHEET METAL

BRUSH ASSEMBLY GRIT 17" (11425B)

QTY	PART NUMBER	DESCRIPTION
1	51462B	BRUSH, GRIT 17" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1

BRUSH ASSEMBLY POLY 17" (11424B)

QTY	PART NUMBER	DESCRIPTION
1	51461B	BRUSH, POLYPROPYLENE 17" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1

PAD ASSEMBLY 19" (17524B)

QTY	PART NUMBER	DESCRIPTION
1	53143B	PAD DRIVER, MODEL FACE 19" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1
1	56949A	CENTER- LOK 3
3	962737	SCREW, #8 X 5/8 PAN HD PHILLPS, SHEET METAL

BRUSH ASSEMBLY GRIT 17" (11425B)

QTY	PART NUMBER	DESCRIPTION
1	51477B	BRUSH, GRIT 19" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1

BRUSH ASSEMBLY POLY 17" (11424B)

QTY	PART NUMBER	DESCRIPTION
1	51478B	BRUSH, POLYPROPYLENE 19" OD
1	833802	GIMBAL, BRUSH
1	838301	SPRING, BRUSH HOLDER
6	962495	SCREW, 1/4 – 20 X 1

PART NOS. FOR MOTOR BRUSH REPLACEMENT

<u>Motor No.</u>	<u>Brush No.</u>
0782-124 (Ametek vac motor)	0775-186
0782-144 (Scott brush motor)	0780-582
0782-110 (Presweep motor)	0775-215
0785-091 (AMER drive wheel motor)	0780-596

Fuse Part Nos.

2-00-05861 (2 amp)
2-00-05860 (10 amp)
8-28-05019 (70 amp)

SPARE PARTS KITS

0760-954

SPARE PARTS KIT (34")

QTY	PART NUMBER	DESCRIPTION
1	7-77-00120	RUBBER, OUTER LH SIDE SQUEEGEE
1	7-77-00121	RUBBER, OUTER RH SIDE SQUEEGEE
1	7-77-00118	RUBBER, INNER RH SIDE SQUEEGEE
1	7-77-00119	RUBBER, INNER LH SIDE SQUEEGEE
1	30913A	RUBBER, INNER REAR SQUEEGEE
1	30953A	RUBBER, OUTER REAR SQUEEGEE
1	7-33-02377	HOSE, SQUEEGEE
2	59971A	WHEEL, SQUEEGEE ADJUSTMENT

0760-955

SPARE PARTS KIT (38")

QTY	PART NUMBER	DESCRIPTION
2	7-77-00121	RUBBER, OUTER RH SIDE SQUEEGEE
2	7-77-00118	RUBBER, INNER RH SIDE SQUEEGEE
1	30954A	RUBBER, INNER REAR SQUEEGEE
1	30935A	RUBBER, OUTER REAR SQUEEGEE
1	7-33-02377	HOSE , SQUEEGEE
2	59971A	WHEEL, SQUEEGEE ADJUSTMENT

0760-956

SPARE PARTS KIT (34" CYLINDRICAL)

QTY	PART NUMBER	DESCRIPTION
2	7-77-00170	RUBBER, SIDE SQUEEGEE
2	7-77-00165	RUBBER, CYLINDRICAL SQUEEGEE
1	30913A	RUBBER, INNER REAR SQUEEGEE
1	30953A	RUBBER, OUTER REAR SQUEEGEE
1	7-33-02377	HOSE , SQUEEGEE
2	59971A	WHEEL, SQUEEGEE ADJUSTMENT



5730 Cylindrical Scrubber

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GENERAL MAINTENANCE

MAINTAINING THE SCRUB DECK BRUSHES

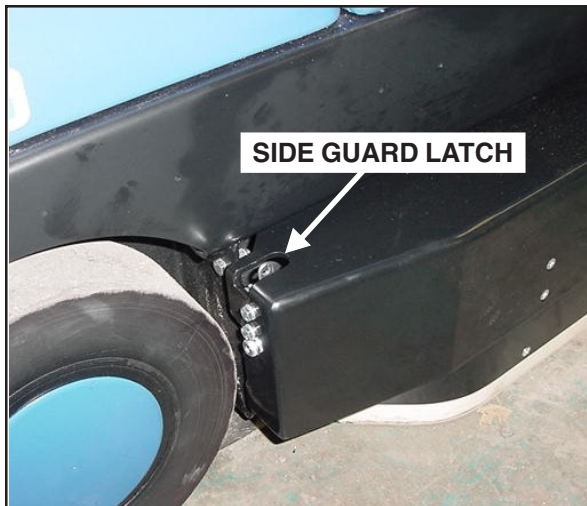


Figure 1

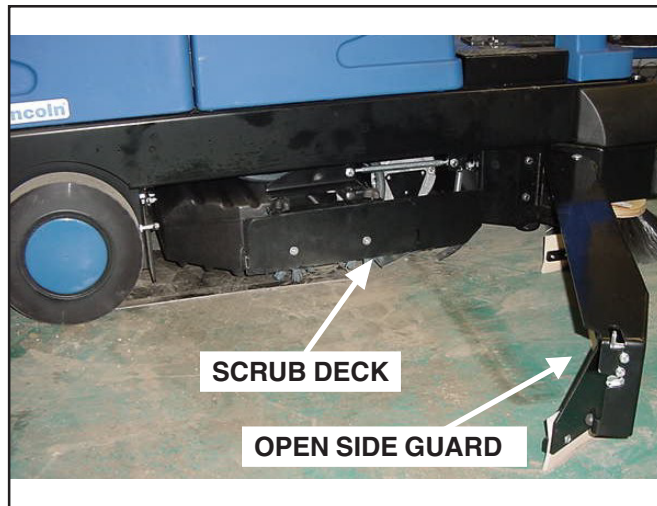


Figure 2

Locate the Side Guard Latch on the (operator's) right side of the machine. Facing the side guard, push the latch to the right to release and open the guard.

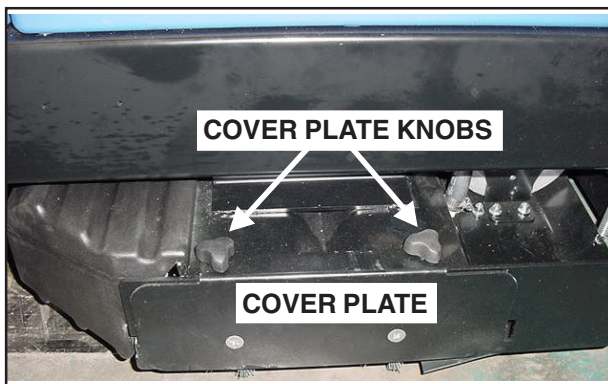


Figure 3

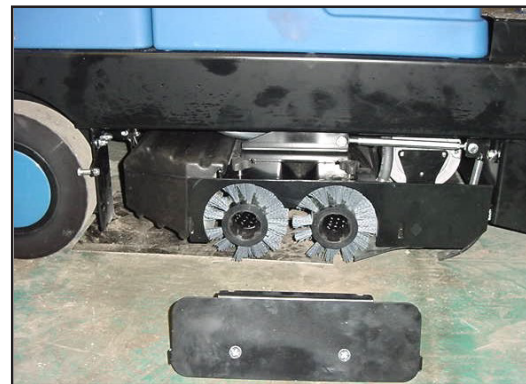


Figure 4

Locate the Cover Plate on the scrub deck; loosen the knobs holding the plate in place by turning counter-clockwise, then remove the cover.



Figure 5

Firmly grasping one of the brushes, remove it for inspection*. Check the brushes for wear and damage. Remove any entangled debris. Turn the brush end-to-end, line up notches, and reinsert. Repeat with the second brush.

NOTE

Rotating brushes will extend the life of the brush.

Brushes should be replaced when bristles are worn to 3/4-inch length. (See scrub brush options in this chapter).

Reattach cover and close side guard.

***The manufacturer recommends using hand protection.**

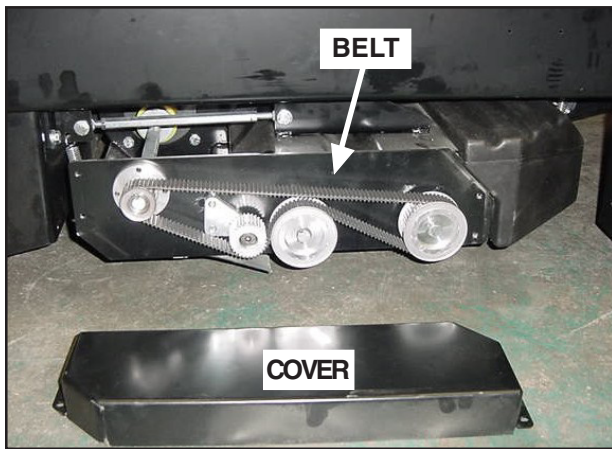


Figure 6

MAINTAINING THE SCRUB DECK BELT

To access the scrub deck belt, open the left side guard, unscrew the hardware holding the cover panel, then remove panel. To set belt tension, slightly loosen the 2 bolts from behind the triangular metal piece in which they are set. Move this piece to tighten or loosen the belt, then reset bolts. Test tension and readjust until pressure reading is 2 lbs.

To replace, loosen until belt is easily removed. Replace with new belt and follow same procedure as above. Reinstall cover and close side guard.

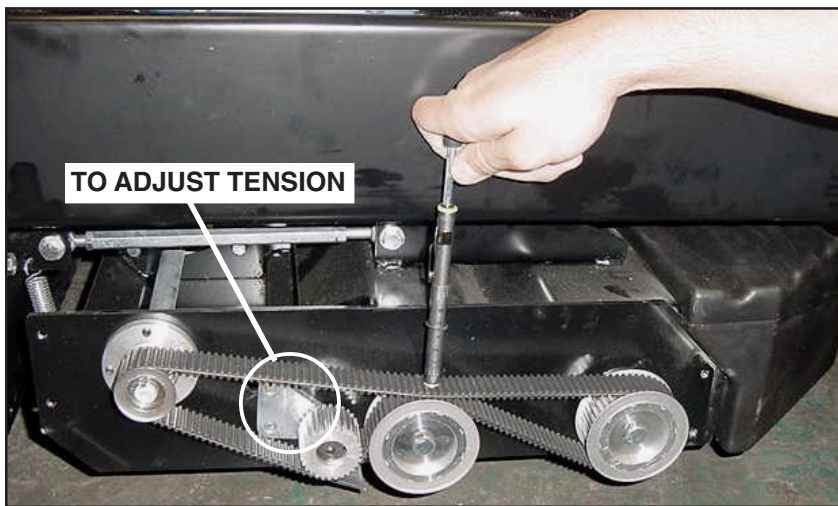


Figure 7

MAINTAINING THE SQUEEGEES

Open the right and left side guards as shown in figures 1 & 2. Inspect the side squeegee blades for wear and damage. If the wiping edge has become rounded, detach from guard by removing the screws from the squeegee strap. Turn so the unworn edge is now the wiping edge and reinstall. This process can be repeated until all four edges are worn. If the squeegee blade has become gouged or torn, it should be replaced. (The same rear squeegee is used on cylindrical and disc scrubbers - see Chapter 1.)

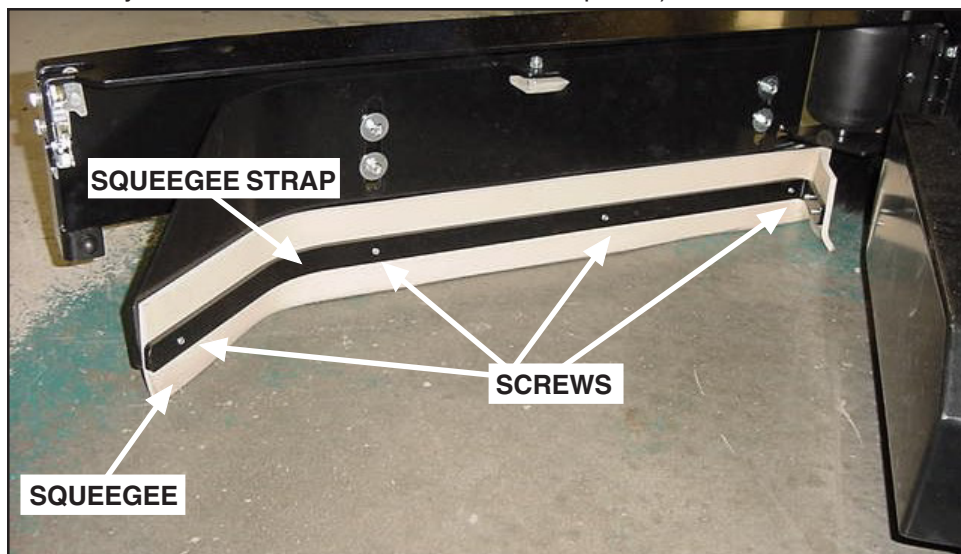


Figure 8

GENERAL MAINTENANCE

MAINTAINING THE SCRUB DECK HOPPER

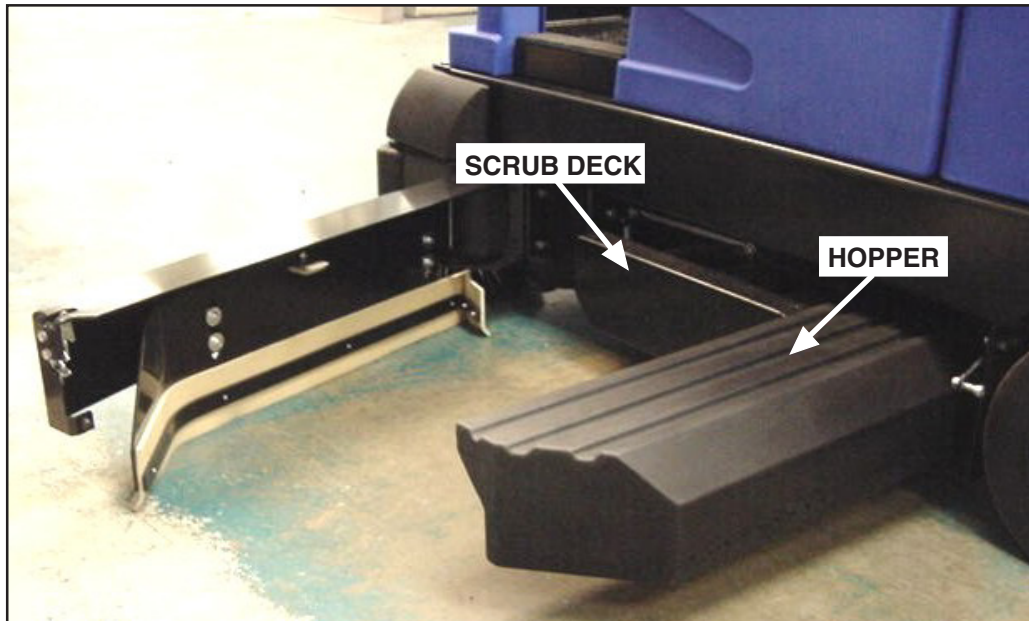


Figure 9

Open the left side guard. The hopper, which slides in and out, is located behind the scrub deck. Remove the hopper and empty debris. Hose out remaining residue and reinsert behind deck. Close side guard.

THE DUAL SIDE BROOM OPTION

If you have chosen to equip your 5730 Cylindrical Scrubber with the dual side broom option, the brush control switch on the instrument panel will look slightly different. The switch will be a 3-way. When the top portion of the switch is depressed, the scrub brushes and side brooms are off; in the center position, the scrub brushes only are activated; and when the bottom of the switch is pressed, both the side brooms and the scrub brushes are put into operation.



Figure 10



Figure 11



Figure 12



Figure 13

THE DUAL SIDE BROOM OPTION (CON'T)

Check the side brooms for wear and damage. The brooms are deliberately set at a downward angle (back-to-front) in order to enhance debris collection, rotating toward the center of the machine and throwing soil toward the hopper at the rear of the scrub deck. To adjust the brooms, turn the knob clockwise to raise or counterclockwise to lower. (See figure 12)

To replace the brooms, remove the three nuts and bolts shown in figure 11, insert bolts through new broom and reinstall. Adjust with knob if necessary after replacing both brooms.

ADJUSTING THE DECK

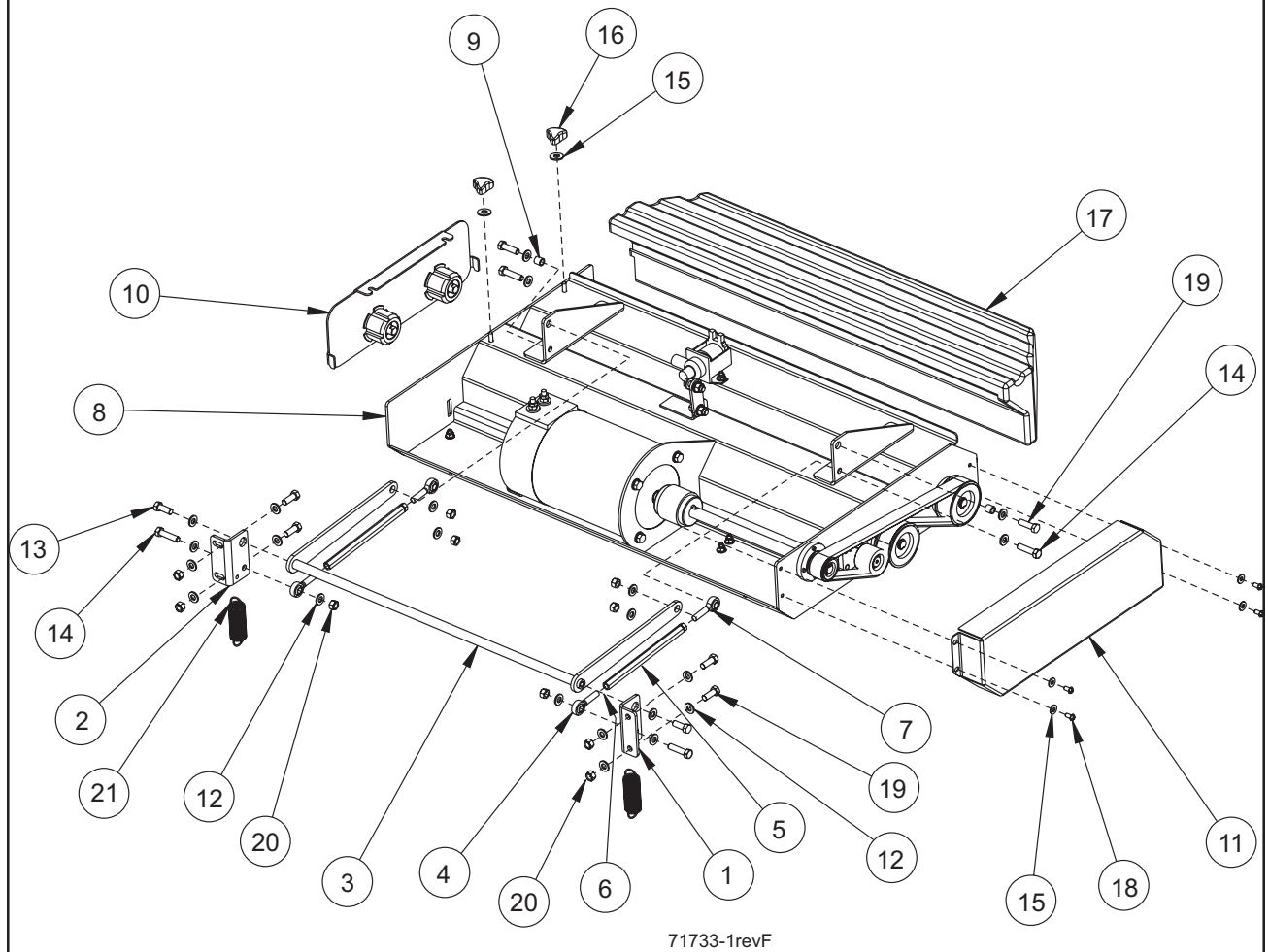
The front-to-back tilt of the scrub deck is controlled by the adjustable rods on both sides of the machine. The rods can be adjusted in (to tilt back) or out (to tilt forward) by loosening the jam nut and turning the rod. The width of the front and rear brush pattern on the floor should be roughly equal at the middle down-pressure setting.

CYLINDRICAL SCRUB DECK (34")

<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-08-01048	BRACKET	1
2	7-08-01151	BRACKET	1
3	7-03-04243	ARM, PIVOT	1
4	2-00-06016	ROD END, 3/8-24 RH	2
5	7-66-00216	ROD, DECK	2
6	2-00-00611	NUT, 3/8-24 JAM	2
7	2-00-06017	ROD END, 3/8-24 LH	2
8	7-27-07237	FRAME, CYLINDRICAL	1
9	2-00-06102	BEARING, 3/8 x 1/2 x 1/2L	2
10	7-19-08080	DOOR, BRUSH	1
11	7-19-08096	DOOR, BELT	1
12	2-00-00402	WASHER, 24/64 ID x 3/4 OD	32
13	2-00-00233	BOLT, 3/8-16 x 1.00 FIN. HEX HEAD	7
14	2-00-00234	SCREW, 3/8-16 x 1.50 HHC	4
15	2-00-03702	WASHER, .625 x .281 x .063	16
16	7-39-00039	KNOB	2
17	7-32-06036	HOPPER, DEBRIS	1
18	2-00-00054	SCREW, 1/4-20 x .50 RHMS	4
19	2-00-00209	BOLT, 3/8-16 x 1.25 HHC	7
20	2-95-04182	NUT, 3/8-16 STOP HEX	12
21	2-00-06104	SPRING, EXTENSION	2

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CYLINDRICAL SCRUB DECK (34")



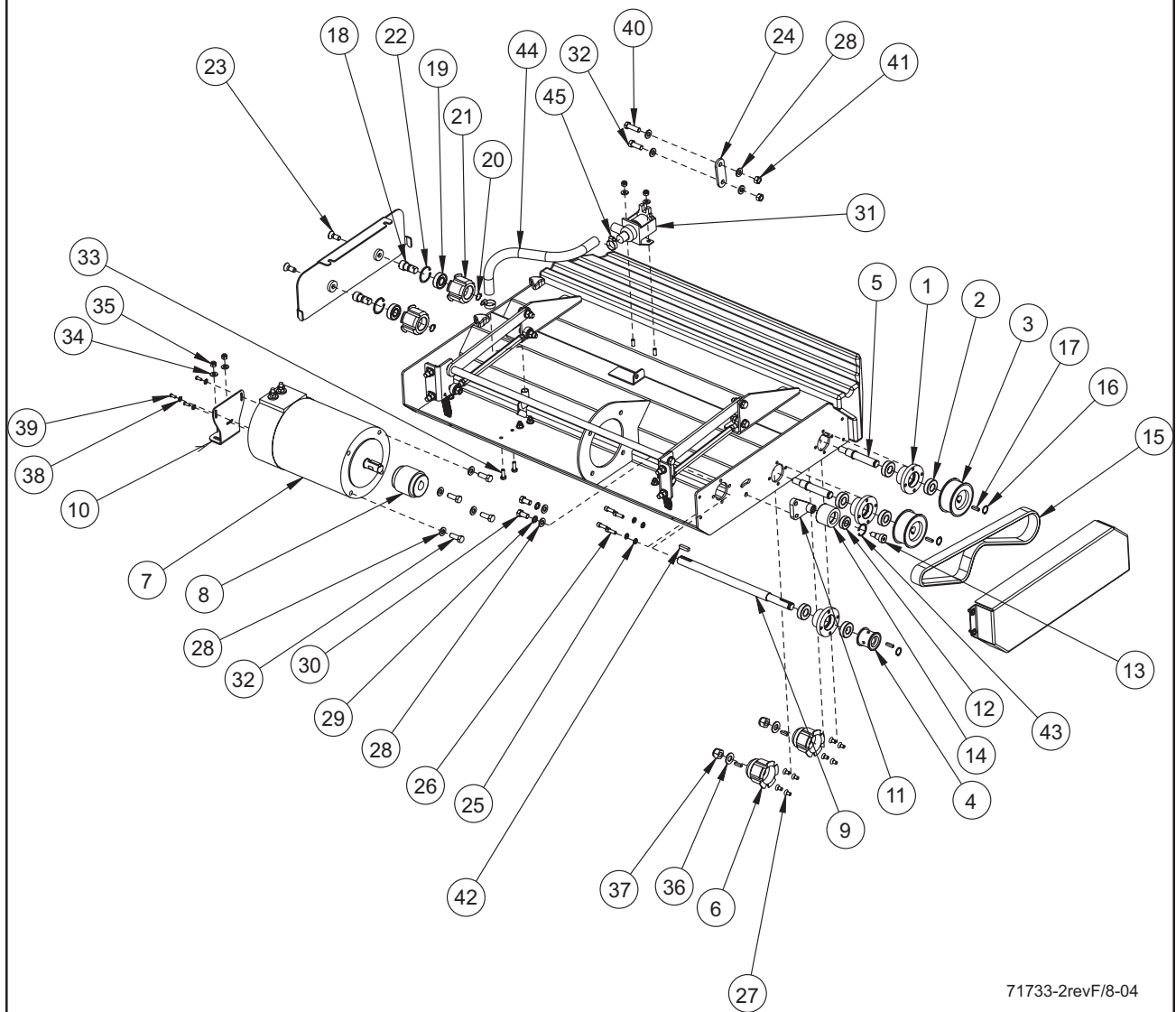
71733-1revF

CYLINDRICAL SCRUB DECK (34") - con't

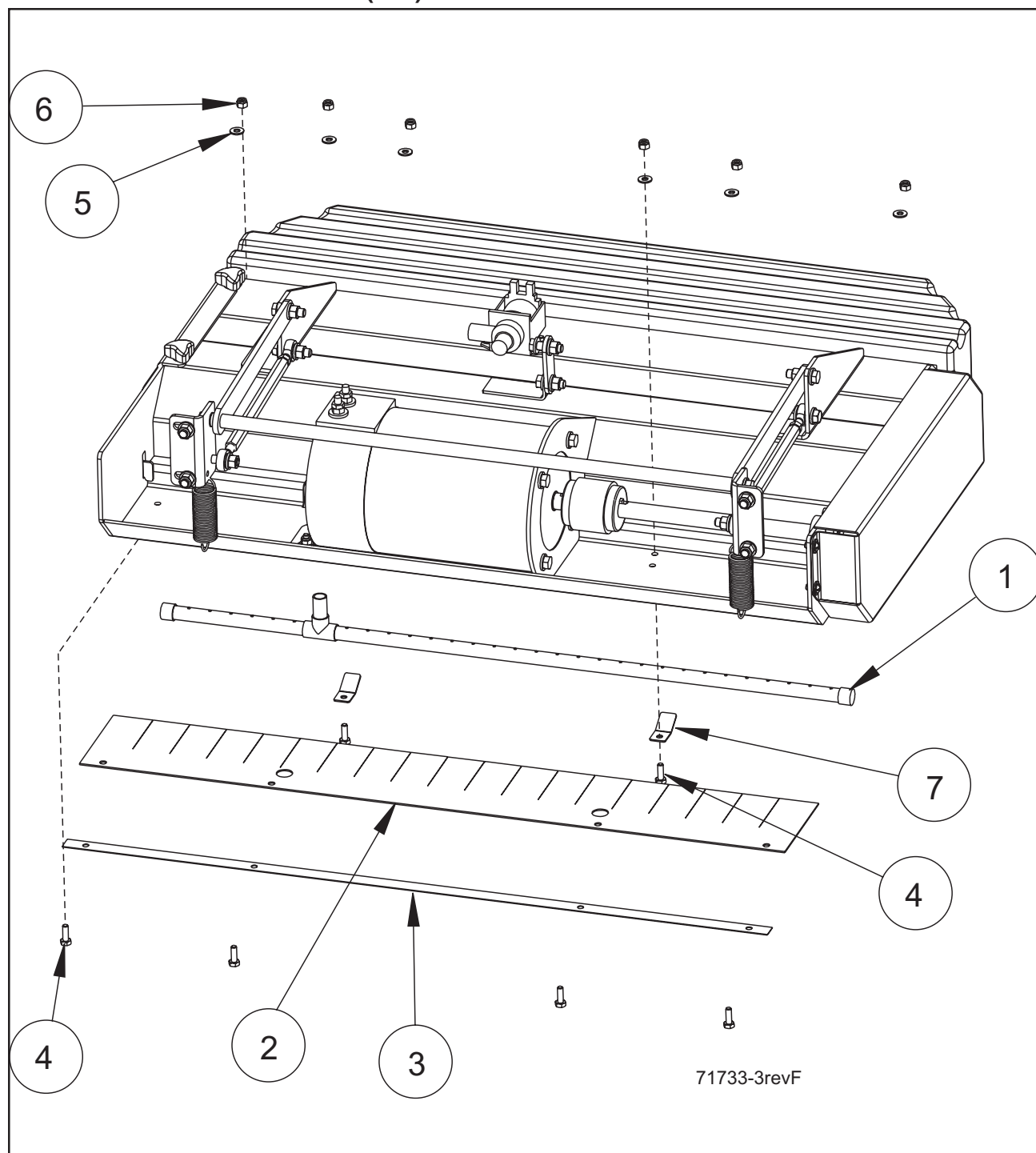
<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-11-05010	CARRIER, BEARING	3
2	2-00-02049	BEARING	6
3	7-60-00195	PULLEY, 5mm 45 TOOTH FLANGED	2
4	7-60-00204	PULLEY, 5mm 23 TOOTH FLANGED	1
5	7-70-05199	SHAFT	2
6	61293A	HUB, DRIVER	2
7	0782-178	MOTOR, 2.05 HP/1535 RPM	1
8	7-16-05039	COUPLING	1
9	7-70-05210	SHAFT, MOTOR DRIVE	1
10	7-08-01152	BRACKET, MOTOR SUPPORT	1
11	7-08-01153	BRACKET, IDLER	1
12	2-00-02044	BEARING	1
13	2-00-05424	SCREW, 3/8-16 HEX HEAD SHOULDER	1
14	7-60-00196	PULLEY, 5mm PITCH HTD x 28 TOOTH	1
15	2-00-06082	BELT, 5mm HTD x 950mm TIMING	1
16	2-00-00545	RING, RETAINING	3
17	2-00-02240	KEY, .188/.187 SQ. x .75	5
18	61310A	SHAFT, DRIVEN	2
19	51225A	BEARING, 6292 SEALED	2
20	2-00-00537	RING, EXTERNAL RETAINING	2
21	61299A	HUB, DRIVEN	2
22	167312	RING, INTERNAL RETAINING	2
23	2-00-02831	SCREW, 3/8-16 x .75 FHM	2
24	7-03-04241	ARM, ACTUATOR	1
25	2-00-00518	LOCK WASHER, 1/4 HEL. SPRING	4
26	2-00-03051	SCREW, 1/4-20 x 3/4 HSCS	4
27	2-00-00001	SCREW, 1/4-20 x .50 FHM	8
28	2-00-00402	WASHER, 24/64 ID x 3/4 OD	32
29	2-00-02310	LOCK WASHER, 3/8 HEL. SPRING	2
30	2-00-00232	BOLT, 3/8-16 FIN. HEX HEAD	2
31	7-88-00073	VALVE, 36VDC SOLUTION	1
32	2-00-00233	BOLT, 3/8-16 x 1.00 FIN. HEX HEAD	7
33	2-00-00221	BOLT, 1/4-20 x 3/4 FIN. HEX HEAD	10
34	2-00-03702	WASHER, .625 x .281 x .063	16
35	2-00-00641	NUT, 1/4-20 FIBER INSERT	10
36	2-00-00405	FLAT WASHER, 1.063 x .531 x .094	2
37	2-00-04936	LOCKNUT, 1/2-13 ELASTIC	2
38	2-00-00426	FLAT WASHER, .500 x .219 x .063	3
39	2-00-01081	SCREW, #23 TC PH RD HD	3
40	2-00-00209	BOLT, 3/8-16 x 1.25 HHC	7
41	2-95-04182	NUT, 3/8-16 HEX STOP	12
42	2-00-02271	KEY, 1/4" SQ.	1
43	2-00-06103	RING, 1.125 INT. RETAINING	1
44	7-33-02679	HOSE, SOLUTION FEED	1
45	2-00-04388	CLAMP, HOSE	2

71733-2revF/8-04

CYLINDRICAL SCRUB DECK (34'') - con't



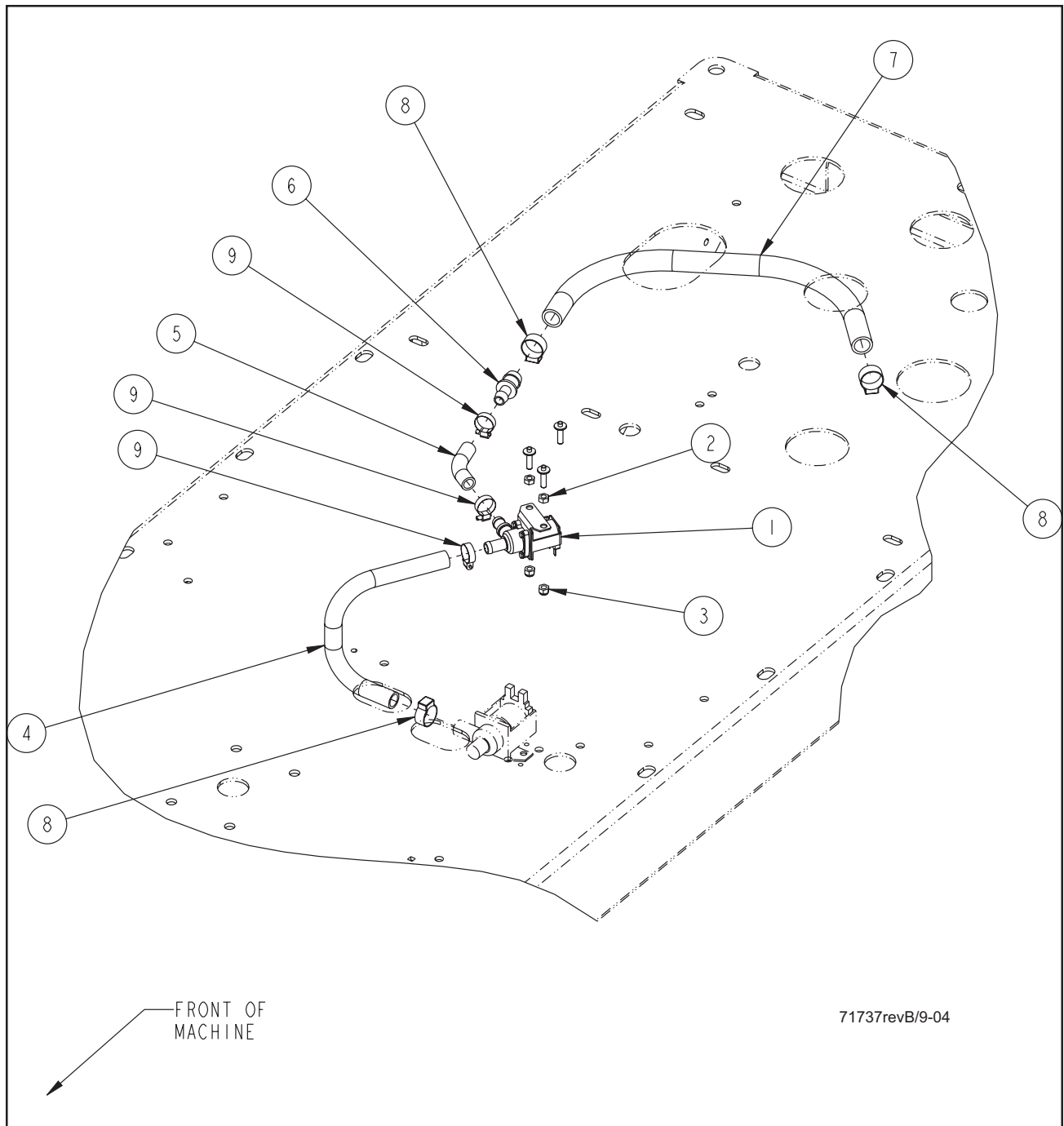
CYLINDRICAL SCRUB DECK (34") - con't



<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-48-00051	MANIFOLD, SOLUTION	1
2	7-77-00162	SQUEEGEE, FRONT	1
3	7-13-07229	CLAMP, FRONT SQUEEGEE	1
4	2-00-00221	BOLT, 1/4-20 x 3/4 FIN. HEX HEAD	10
5	2-00-03702	WASHER, .625 x .281 x .063	16
6	2-00-00641	NUT, 1/4-20 FIBER INSERT	10
7	7-08-01274	BRACKET, MANIFOLD SUPPORT	2

71733-3revF/8-04

SOLUTION CONTROL (CYLINDRICAL ONLY)



KEY NO.	PART NUMBER	DESCRIPTION	QTY.
1	7-88-00120	VALVE, 36 VDC SOLUTION	1
2	2-00-04688	NUT, 1/4-20 HEX	2
3	2-00-00641	NUT, 1/4-20 FIBER INSERT	2
4	7-33-02680	HOSE, SOLUTION FEED	1
5	7-33-02681	HOSE, SOLUTION FEED	1
6	2-00-06351	FITTING, 3/4" x 1/2" BARBED	1
7	7-33-02233	HOSE, SOLUTION FEED	1
8	2-00-03407	CLAMP, #10P WITTECK HOSE	3
9	2-00-04388	CLAMP, HOSE	3

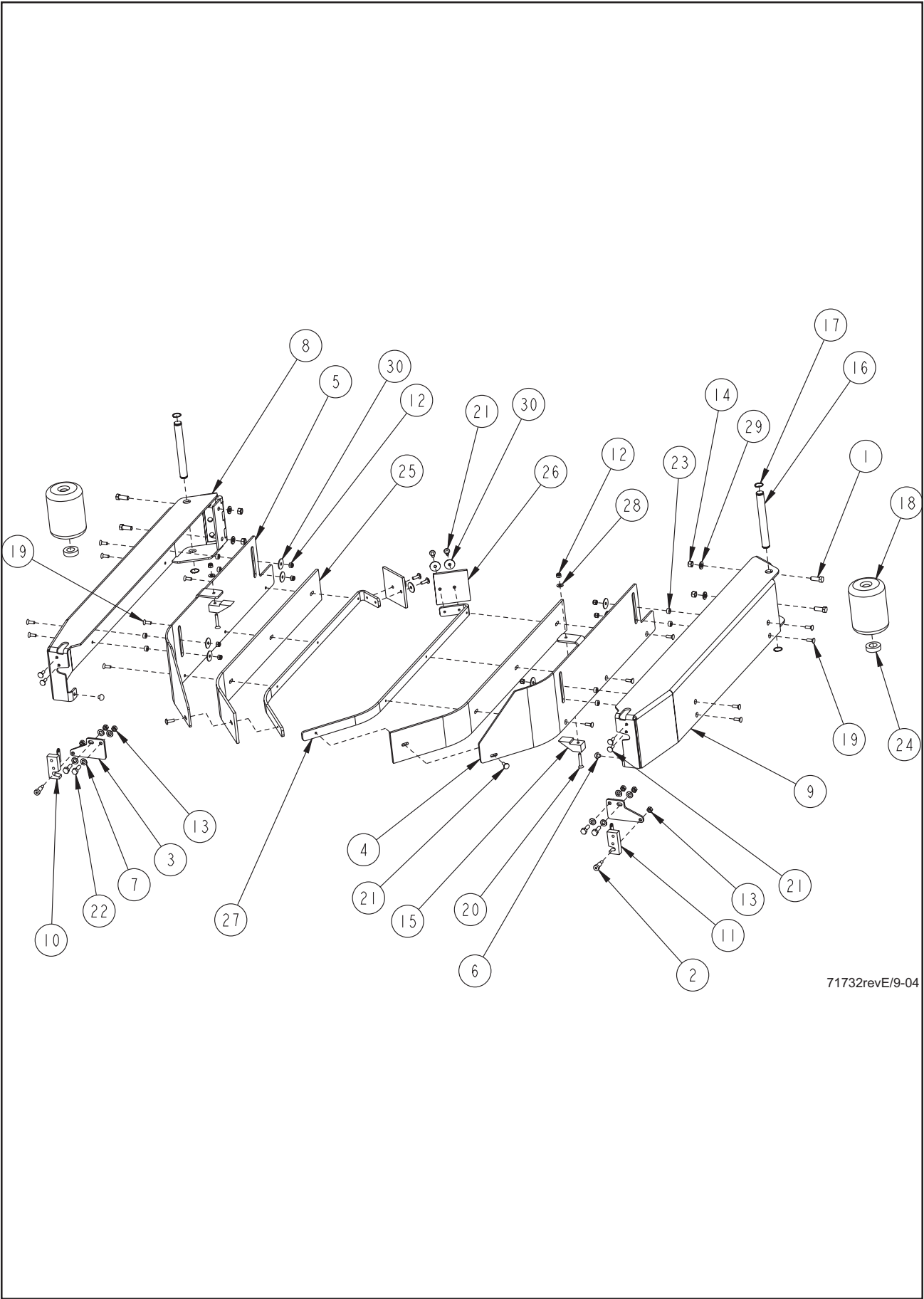
71737revB/9-04

SIDE GUARDS (34" DECK)

<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	2-00-00233	BOLT, 3/8-16 x 1.0 FIN. HEX HEAD	4
2	2-00-06002	BOLT, LATCH	2
3	7-08-01242	BRACKET, LATCH	2
4	7-08-01244	BRACKET, RH SQUEEGEE	1
5	7-08-01243	BRACKET, LH SQUEEGEE	1
6	2-00-06086	BUMPER, MUSHROOM	2
7	2-00-00409	FLAT WASHER, .687 x .344 x .062	8
8	7-30-05118	GUARD, LH CYLINDRICAL	1
9	7-30-05119	GUARD, RH CYLINDRICAL	1
10	7-41-00063	LATCH, LH	1
11	7-41-00064	LATCH, RH	1
12	2-00-00641	NUT, 1/4-20 FIBER INSERT	10
13	2-00-00644	NUT, 5/16-18 FIBER INSERT HEX	6
14	2-95-04182	NUT, 3/8-16 STOP HEX	4
15	7-50-05155	PAD, LIFT	2
16	7-55-08188	PIN, ROLLER BUMPER	2
17	2-00-00540	RING, RETAINER	4
18	7-66-05011-1	ROLLER, BUMPER	2
19	2-00-00007	SCREW, 1/4-20 x 3/4 FLAT HEAD	14
20	2-00-03541	SCREW, 1/4-20 x 1.5 FLAT HEAD	2
21	2-00-00183	SCREW, 1/4-20 ROUND HEAD	10
22	2-00-02708	SCREW, 5/16-18 x 1.0 HHC	4
23	7-75-01256	SPACER	8
24	2-00-05529	SPACER, BUMPER ROLLER	2
25	7-77-00165	SQUEEGEE, CYLINDRICAL	2
	7-77-00171	LINATEX SQUEEGEE OPTION	2
26	7-77-00170	SQUEEGEE, SIDE	2
	7-77-00172	LINATEX SQUEEGEE OPTION	2
27	7-79-00110	STRAP, SQUEEGEE	2
28	2-00-03702	WASHER, .625 x .281 x .063	2
29	2-00-00402	WASHER, .750 x .391 x .093	8
30	2-00-01676	WASHER, 1.063 x .266 x .063	12

71732revE/9-04

SIDE GUARDS (34" DECK)



71732revE/9-04

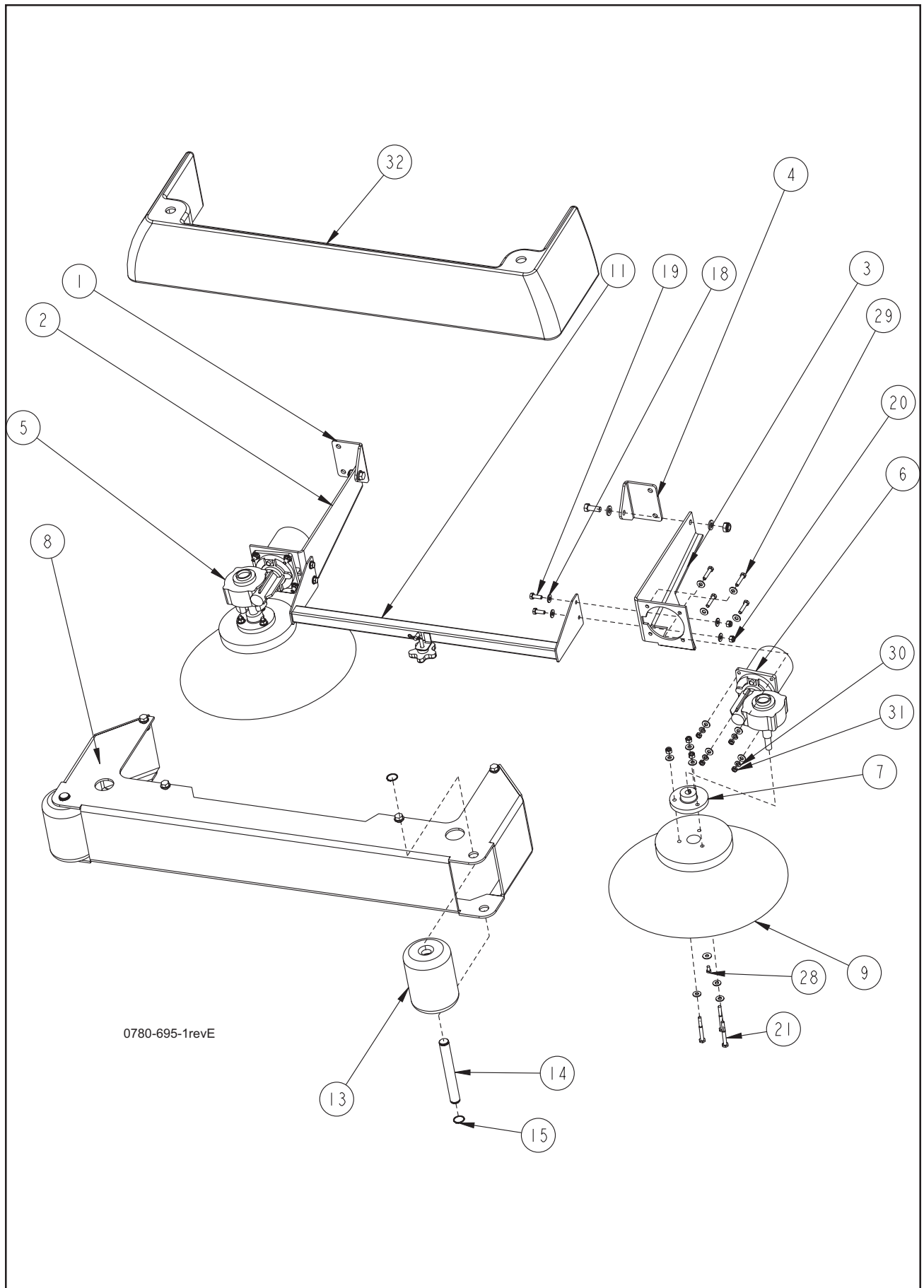
OPTION - DUAL SIDE BROOM (CYLINDRICAL ONLY)

OPTION 0780-595

<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-08-01156	BRACKET, SIDE BROOM	1
2	7-03-04245	ARM, RIGHT SIDE BROOM	1
3	7-03-04246	ARM, LEFT SIDE BROOM	1
4	7-08-01157	BRACKET, SIDE BROOM	1
5	0785-103	MOTOR, RH GEAR	1
6	0785-104	MOTOR, LH GEAR	1
7	7-03-00068	ADAPTER, SIDE BROOM	2
8	7-08-07104	WELDMENT, BUMPER	1
9	7-08-03312	BROOM, CORNER	2
10	0782-139	ACTUATOR	1
11	7-05-07186	BAR, SIDE BROOM	1
12	7-66-00206	ROD, SIDE BROOM LIFT	1
13	7-66-05011-1	ROLLER, BUMPER	2
14	7-70-05175	PIN, ROLLER BUMPER	2
15	2-00-00540	RING, RETAINER	4
16	7-03-04251	ARM, SIDE BROOM LIFT	1
17	7-39-00040	KNOB, SIDE BROOM	1
18	2-00-03702	WASHER, .625 x .281 x .063	42
19	2-00-00221	BOLT, 1/4-20 x 3/4 FIN. HEX HEAD	5
20	2-00-00641	NUT, 1/4-20 FIBER INSERT	13
21	2-00-00246	SCREW, 1/4-20 x 2.25 HHC	6
22	2-00-00203	SCREW, 1/4-20 x 1.50 HEX HEAD	2
23	2-00-00402	WASHER, 25/64 ID x 3/4 OD	12
24	2-00-00233	BOLT, 3/8-16 x 1.0 FIN. HEX HEAD	6
25	2-00-00643	LOCK NUT, 3/8-16 ELASTIC	6
26	2-00-04689	WASHER, 11/16 OD x .260 ID x .050	2
27	2-00-05249	HAIR PIN (COTTER)	1
28	2-00-05936	BOLT, M5 x 10mm HHC	2
29	2-00-05722	BOLT, M6 x 30mm HHC	8
30	2-00-00518	LOCK WASHER, 1/4 HEL. SPRING	8
31	2-00-04985	NUT, M6 x 1.00 HEX	8
32	7-08-07115	BUMPER	1

0780-595-1revG/7-04

OPTION - DUAL SIDE BROOM (CYLINDRICAL ONLY)

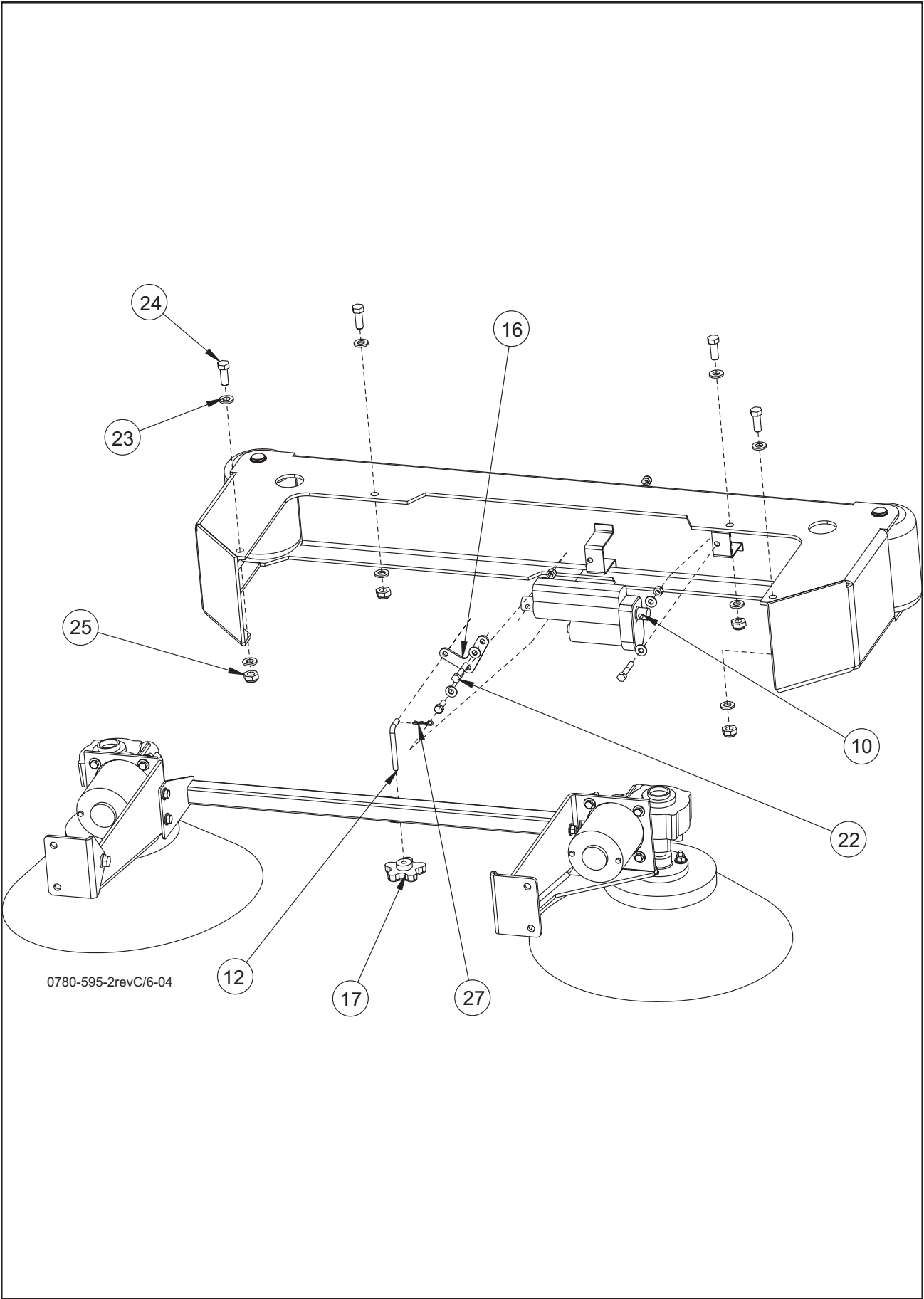


OPTION - DUAL SIDE BROOM (CON'T)

<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-08-01156	BRACKET, SIDE BROOM	1
2	7-03-04245	ARM, RIGHT SIDE BROOM	1
3	7-03-04246	ARM, LEFT SIDE BROOM	1
4	7-08-01157	BRACKET, SIDE BROOM	1
5	0785-103	MOTOR, RH GEAR	1
6	0785-104	MOTOR, LH GEAR	1
7	7-03-00068	ADAPTER, SIDE BROOM	2
8	7-08-07104	WELDMENT, BUMPER	1
9	8-08-03166	BROOM, CORNER	2
10	0782-139	ACTUATOR	1
11	7-05-07186	BAR, SIDE BROOM	1
12	7-66-00206	ROD, SIDE BROOM LIFT	1
13	7-66-05011-1	ROLLER, BUMPER	2
14	7-70-05175	PIN, ROLLER BUMPER	2
15	2-00-00540	RING, RETAINER	4
16	7-03-04251	ARM, SIDE BROOM LIFT	1
17	7-39-00040	KNOB, SIDE BROOM	1
18	2-00-03702	WASHER, .625 x .281 x .063	42
19	2-00-00221	BOLT, 1/4-20 x 3/4 FIN. HEX HEAD	5
20	2-00-00641	NUT, 1/4-20 FIBER INSERT	13
21	2-00-00246	SCREW, 1/4-20 x 2.25 HHC	6
22	2-00-00203	SCREW, 1/4-20 x 1.50 HEX HEAD	2
23	2-00-00402	WASHER, 25/64 ID x 3/4 OD	12
24	2-00-00233	BOLT, 3/8-16 x 1.0 FIN. HEX HEAD	6
25	2-00-00643	LOCK NUT, 3/8-16 ELASTIC	6
26	2-00-04689	WASHER, 11/16 OD x .260 ID x .050	2
27	2-00-05249	HAIR PIN (COTTER)	1
28	2-00-05936	BOLT, M5 x 10mm HHC	2
29	2-00-05722	BOLT, M6 x 30mm HHC	8
30	2-00-00518	LOCK WASHER, 1/4 HEL. SPRING	8
31	2-00-04985	NUT, M6 x 1.00 HEX	8
32	7-08-07115	BUMPER	1

0780-595-2revG/7-04

OPTION - DUAL SIDE BROOM (CON'T)

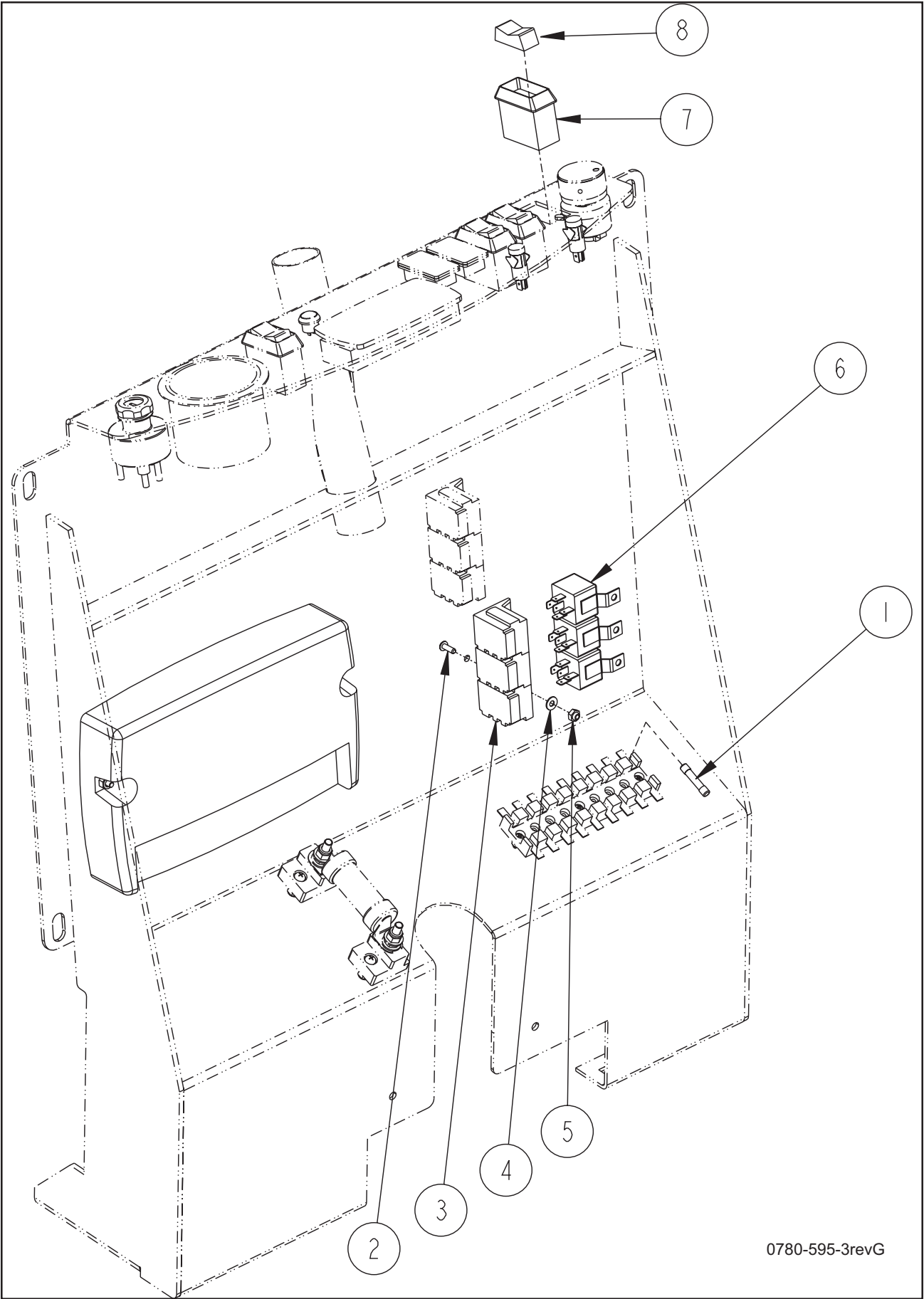


OPTION - DUAL SIDE BROOM (CON'T)

<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	2-00-05860	FUSE, GLASS (10A)	1
2	2-00-00044	SCREW, 8-32 x 1/2 RHM	1
3	0795-205	HARNESS, SDE BROOM	1
4	2-00-00460	FLAT WASHER, .438 x .192 x .031	1
5	2-00-01372	NUT, 8-32 FIBERLOCK HEX	1
6	8-64-00019	RELAY (36V)	3
7	2-00-05831	ROCKER SWITCH BODY (SCRUB MODE)	1
8	2-00-05848	ACTUATOR (SCRUB MODE)	1

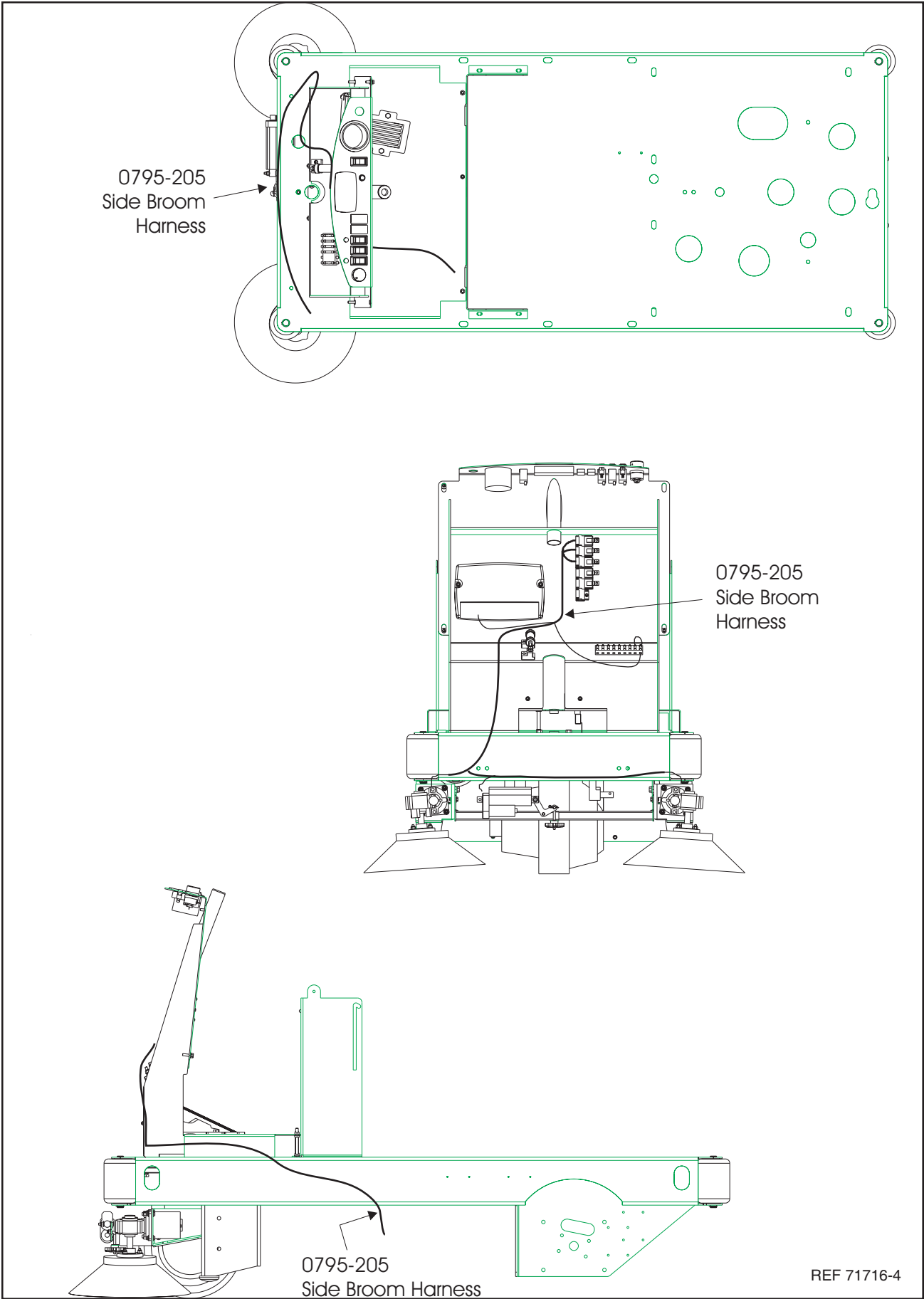
0780-595-3revG/7-04

OPTION - DUAL SIDE BROOM (CON'T)

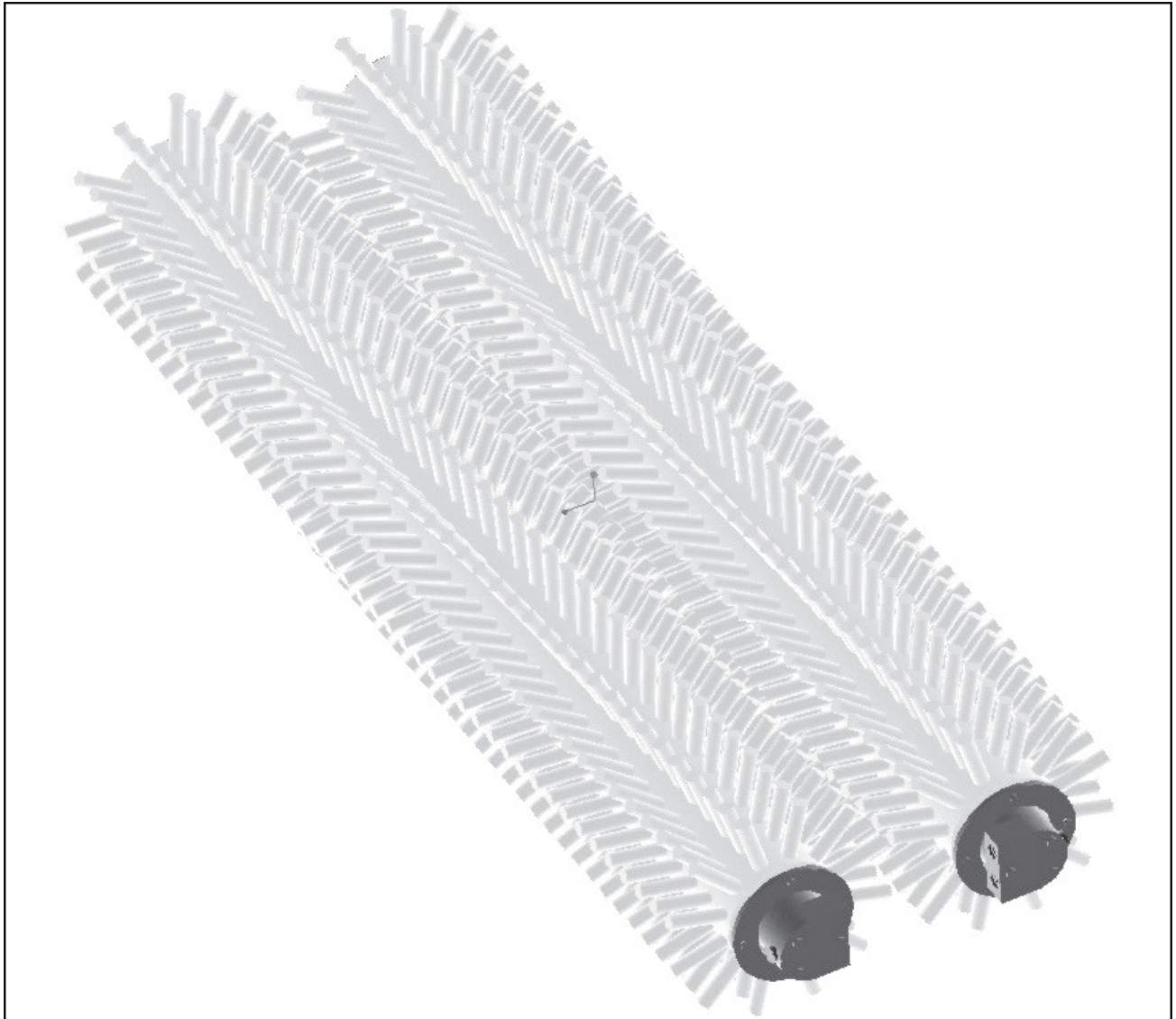


0780-595-3revG

OPTION - DUAL SIDE BROOM HARNESS ROUTING



CYLINDRICAL BRUSH OPTIONS



<u>KEY NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	7-08-03306	Brush, Poly Cylindrical	2*
2	7-08-03308	Brush, Nylon Cylindrical	2*
3	7-08-03310	Brush, Clean Grit Cylindrical	2*

*Two are required for the machine, but brushes are sold individually

brushes/8-04

CYLINDRICAL SPARE PARTS KIT

SPARE PARTS KIT 0760-939

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
7-77-00165	Squeegee, Cylindrical	2
7-77-00170	Squeegee, Side	2
7-77-00123	Squeegee, Rear (41" inner)	1
7-77-00117	Squeegee, Rear (41" outer)	1
7-33-02377	Hose, Squeegee	1
7-33-02391	Drain Hose	1
59971A	Wheel, Squeegee Adjustment	2

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