

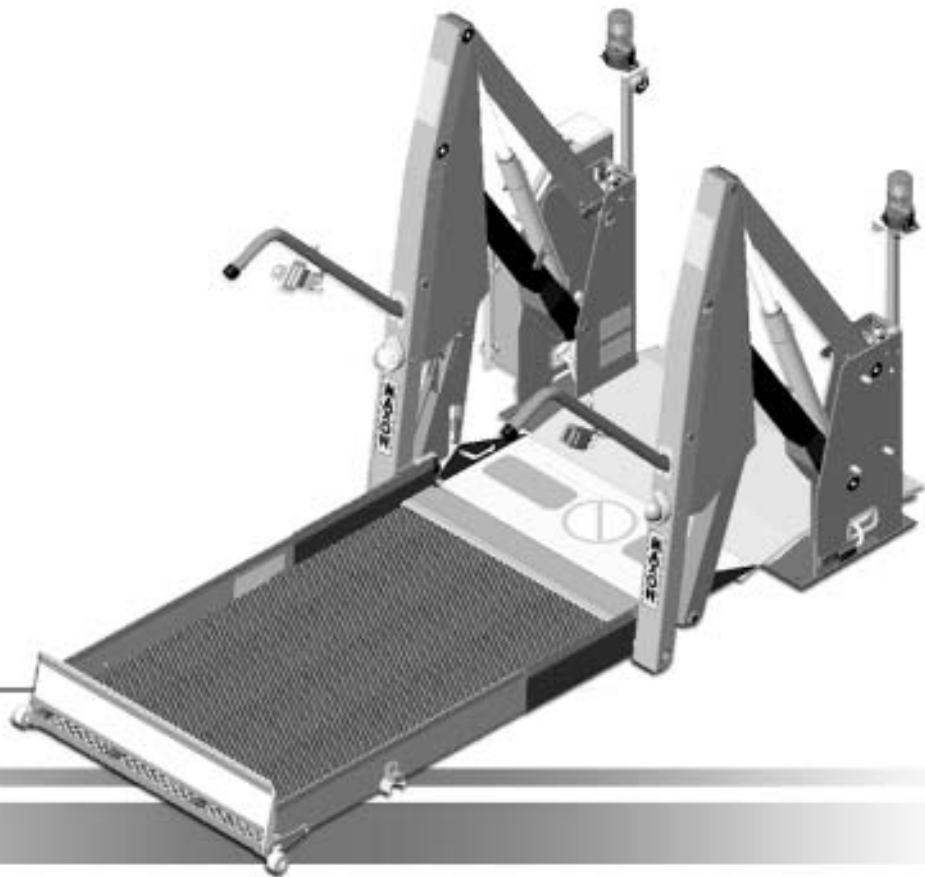
WL7

MAXON[®]
MOBILITY[™]

MAINTENANCE MANUAL FOR WHEELCHAIR LIFT MODEL NO. WL7

DOT-Public Use Lift

PATENTS PENDING



MAXON[®]

LIFT CORP.

11921 Slauson Ave.
Santa Fe Springs, CA. 90670

CUSTOMER SERVICE:

TELEPHONE (562) 464-0099 TOLL FREE (800) 227-4116

FAX: (888) 771-7713

NOTE: For latest version of all Manuals (and replacements), download the
Manuals from Maxon's website at www.maxonlift.com.

WARRANTY/ RMA POLICY & PROCEDURE

LIFT WARRANTY

Type of Warranty: Full Parts and Labor

Term of Warranty: 6 years from ship date or 6,000 lifts

This warranty shall not apply unless the product is installed, operated and maintained in accordance with MAXON Lift's specifications as set forth in MAXON Lift's Installation, Operation and Maintenance manuals. This warranty does not cover normal maintenance or adjustments, damage or malfunction caused by improper handling, installation, abuse, misuse, negligence, or carelessness of operation. In addition, this warranty does not cover equipment that has had unauthorized modifications or alterations made to the product.

MAXON agrees to replace any components which are found to be defective during the first 6 years of service, or 6,000 cycles whichever occurs first, and will reimburse for labor based on MAXON's Mobility Warranty Flat Rate Schedule.

All warranty repairs must be performed by an authorized MAXON Mobility warranty facility. For any repairs that may exceed \$500, including parts and labor, MAXON's Technical Service Department must be notified and an "Authorization Number" obtained.

All claims for warranty must be received within 30 Days of the repair date, and include the following information:

1. Wheelchair Lift Model Number and Serial Number
2. Number of "LIFTS" displayed on the Lift Controller
3. End User information, name and phone number
4. Detailed Description of Problem
5. Corrective Action Taken, and Date of Repair
6. Parts used for Repair, Including MAXON Part Number(s)
7. MAXON R.M.A. # and/or Authorization # if applicable (see below)
8. Person contacted at MAXON, if applicable
9. Claim must show detailed information I.e. Labor rate and hours of work performed

Warranty claims can also be placed on-line at www.maxonlift.com. On-line claims will be given priority processing.

All claims for warranty will be denied if paperwork has not been received or claim submitted via Maxon website for processing by MAXON's Warranty Department within 30 days of repair date.

All components may be subject to return for inspection, prior to the claim being processed. MAXON products may not be returned without prior written approval from MAXON's Technical Service Department. Returns must be accompanied by a copy of the original invoice and are subject to a credit deduction to cover handling charges and any necessary reconditioning costs. **Unauthorized returns will be refused and become the responsibility of the returnee.**

Any goods being returned to MAXON Lift must be pre-approved for return, and have the R.M.A. number written on the outside of the package in plain view, and returned freight prepaid. All returns are subject to a 15% handling charge if not accompanied by a detailed packing list.

Defective Parts requested for return must be returned within 30 days of the claim date for consideration to:

MAXON Lift Corp.
16205 Distribution Way, Cerritos, CA 90703
Attn: RMA# _____

MAXON's warranty policy does not include the reimbursement for travel time, towing, vehicle rental, service calls, oil, batteries or loss of income due to downtime. Fabrication or use of non Maxon parts, which are available from MAXON, is also not covered.

MAXON Mobility's Flat Rate Labor Schedule takes into consideration the time required for diagnosis of a problem.

All Lifts returned are subject to inspection and a 15% restocking fee. Any returned Lifts or components that have been installed or not returned in new condition will be subject to an additional reworking charge which will be based upon the labor and material cost required to return the Lift or component to new condition.

PURCHASE PART WARRANTY

Term of Warranty: 1 Year from Date of Purchase.

Type of Warranty: Part replacement only
MAXON will guarantee all returned genuine MAXON replacement parts upon receipt and inspection of parts and original invoice.

All warranty replacements parts will be sent out via ground freight. If a Rush Shipment is requested all freight charges will be billed to the requesting party.

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PATENTS PENDING

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SAFETY SUMMARY

Comply with the following **WARNINGS** and safety precautions while maintaining the Wheel-chair Lift. See Operator's Manual MP-04-02 for operating safety requirements.



WARNING

1. Read and understand the instructions in this **Maintenance Manual** before performing maintenance on the Lift.
2. Before operating the Lift, read and understand the operating instructions contained in **Operator's Manual MP-04-02**.
3. Comply with all **WARNING** and instruction decals attached to the Lift.
4. Consider the safety and location of bystanders and location of nearby objects when operating the Lift. Stand to one side of platform while operating the Lift.
5. Do not allow untrained persons to operate the Lift.
6. Do not stand under, or allow obstructions under the Platform when lowering the Lift. **Be sure your feet are clear of the Lift.**
7. **Keep fingers, hands, arms, legs, and feet clear of moving Lift parts (and platform edges) when operating this unit.**
8. **Disconnect vehicle battery power** when repairing or servicing Lift.
9. Wear appropriate safety equipment, such as protective eyeglasses, faceshield and clothing while performing maintenance on the Lift and handling the vehicle battery. Debris from cutting and drilling, and contact with battery acid, may injure eyes and exposed skin.
10. Be careful working by a vehicle battery. Make sure the work area is well ventilated and there are no flames or sparks near the battery. Never lay objects on the battery that can short the terminals together. If battery acid gets in your eyes, immediately seek first aid. If acid gets on your skin, immediately wash it off with soap and water.
11. If an emergency situation arises (vehicle or Lift) while operating the Lift, release the hand control switch and the Lift will stop.
12. A correctly installed Lift operates smoothly and reasonably quiet. The only noticeable noise, during Lift operation, is from the Pump Unit while the Platform is raised and folded. Listen for scraping, grating and binding noises and correct the problem before continuing to operate the Lift.
13. Keep decals clean and legible. If decals are defaced or missing, replace them. **Free re-placement decals** are available from **Maxon Customer Service**.
14. Use only **Maxon Authorized Parts** for replacement parts. Order replacement parts from:

MAXON LIFT CORP. - Customer Service

11921 Slauson Ave., Santa Fe Springs, CA 90670

Phone: (800) 227-4116

Email: partssales@maxonlift.com

Provide the Lift model and serial number information with your order.

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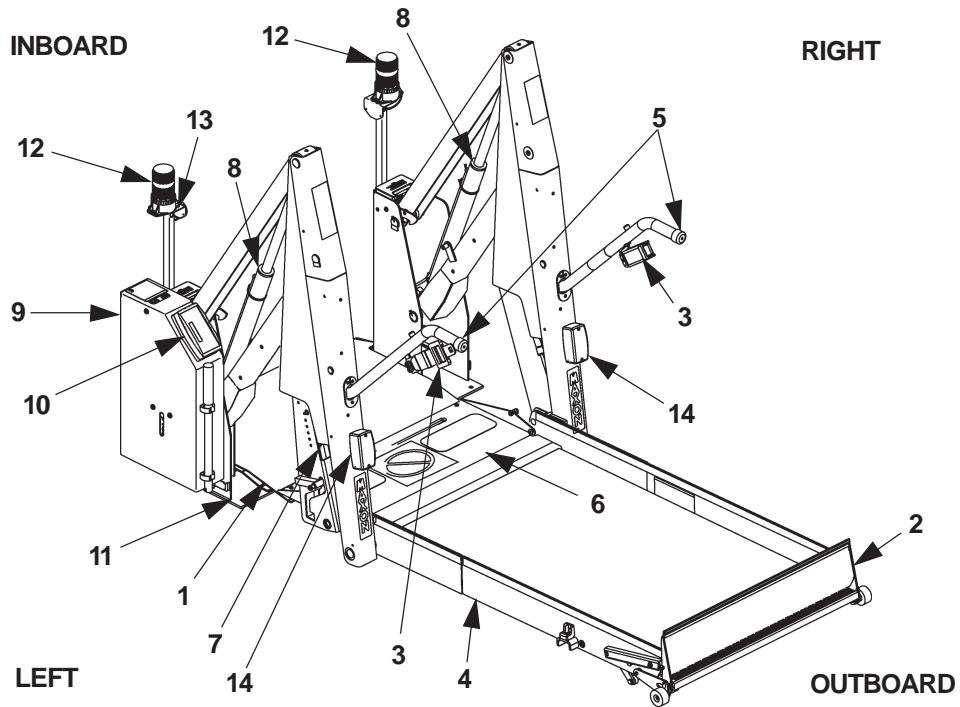
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LIFT COMPONENTS & TERMINOLOGY

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LIFT COMPONENTS (SEE TABLE 9-1)
FIG. 8-1

ITEM	NAME	DESCRIPTION
1.	THRESHHOLD PLATE	Component that bridges the entry way, through the Lift, into the vehicle. Detects if that portion of Lift is occupied during "UP/DOWN" operation between vehicle floor and the ground.
2.	OUTBOARD ROLLSTOP	Barrier to prevent the Wheelchair from rolling off of the Platform. Also provides entry/exit ramp for Platform on the ground.
3.	SEAT BELT	Belt that acts as an additional barrier to keep the Wheelchair or ambulatory occupant on the Platform. Belt must be fastened for Lift to operate.
4.	PLATFORM	Contains the Wheelchair and Occupant during "UP/DOWN" operation between vehicle floor and the ground.
5.	HANDRAILS	(Left/Right) Provides a hand hold for the Lift Occupant.
6.	INBOARD ROLLSTOP	Barrier to prevent the Wheelchair from rolling off inboard side of Platform. Also, provides bridge between Platform and Threshold.
7.	ELECTRICAL ACTUATOR	Raises/lowers Inboard Rollstop.
8.	HYDRAULIC CYLINDER	(Left/Right) Telescoping steel tube and rod, pressurized by hydraulic fluid, that folds and unfolds the Lift and moves the Lift up and down.
9.	HYDRAULIC POWER UNIT (COVER IS SHOWN)	Contains motorized hydraulic pump, manually operated backup pump, fluid lines, and controls to operate the hydraulic cylinders.
10.	LIFT CONTROLLER	Electronic device that controls and monitors Lift operation and the interlock connection with the vehicle.
11.	BASE	Structure that secures Lift to the vehicle floor.
12.	THRESHHOLD WARNING BEACON	Flashing red light indicates Threshold is occupied by a person or object during "UP/DOWN" operation between vehicle floor and the ground.
13.	THRESHHOLD WARNING ALARM	Audible alarm sounds when Threshold is occupied by a person or object during "UP/ DOWN" operation between vehicle floor and the ground.
14.	PLATFORM LIGHTS	Illuminates the Platform when ready to load at floor level and during "UP/DOWN" operation between vehicle floor and the ground.

TABLE 9-1

MAINTENANCE SCHEDULE

NOTE: The Lift Controller counts the number of cycles & lifts over the lifetime of the Lift. One **CYCLE** is counted each time the Lift is unfolded from the stowed position to floor level, lowered to the ground, raised to floor level, and then stowed. One **LIFT** is counted each time the Lift is lowered from floor level to the ground, and raised back to floor level. Read the **LIFTS** and **CYCLES** counts from the Lift Controller display window periodically so you know when to do the maintenance checks listed below.

EVERY 500 LIFTS

- ☐ Visually check the Lift for bent, broken, or worn out parts, and broken welds.
- ☐ Check the electrical wiring for worn insulation, and the terminals for corrosion and secure fit. Apply dielectric grease to connections if needed.
- ☐ Check for loose fasteners (nuts, bolts, screws & rivets). Also, check cotter pins, clevis pins, retaining ring pins & retaining rings for noticeable wear and damage.
- ☐ Check that all Decals are in place, undamaged, and legible (**see DECALS pages**).
- ☐ Check that all anti-slip and safety striping is in place and undamaged (**see ANTI-SLIP & SAFETY STRIPING pages**).

EVERY 2500 CYCLES

- ☐ Replace both latch Solenoids P/N 266955-01 (**see ELECTRICAL COMPONENTS, Item 23**).

EVERY 3000 LIFTS

- ☐ Check the Inboard Rollstop Actuator Assembly wiring connections, routing, and condition from Actuator to Controller. Repair if needed (**see PLATFORM CLOSER, Item 4 & ELECTRICAL SYSTEM DIAGRAM**).

EVERY 5000 LIFTS

- ☐ Check the large bearing on slider-end of Actuator. If bearing looks worn at first inspection, remove and reinstall bearing with the ends reversed. Replace bearing P/N 266545-03 (**see PLATFORM CLOSER, Item 14**), if follow-on inspections reveal more wear.
- ☐ Replace both Platform light bulbs P/N 906475-01 (**see ELECTRICAL COMPONENTS, Item 8A**).

EVERY 10000 LIFTS

- ☐ Check both Hydraulic Cylinders for leaks. If a film of hydraulic fluid is visible on cylinder seals Lift can still be operated. However, if fluid is dripping from the cylinders, replace them (**see HYDRAULIC COMPONENTS, Item 13**).

NOTE: To confirm compliance with **Federal Motor Vehicle Safety Standard 403**, refer to the **COMPLETED LIFT INSTALLATION CHECKLIST** in the Installation Manual **MP-04-01**.

CHECKING HYDRAULIC FLUID LEVEL

CAUTION

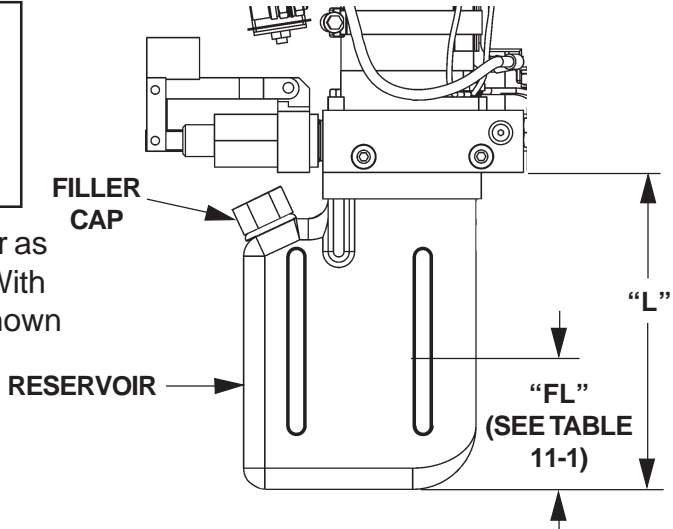
Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

NOTE: WL7 may be equipped with 1 of 2 different sizes of Reservoir. To make sure you have correct fluid level, measure length of Reservoir before checking fluid level.

1. Check the Hydraulic Fluid level in Reservoir as follows. Measure length "L" of Reservoir. With Liftgate stowed, level "FL" should be as shown in **FIG. 11-1** and **TABLE 11-1**.

RESERVOIR LENGTH ("L")	FLUID LEVEL ("FL")
7-1/2"	1"
9-1/2"	3"

TABLE 11-1

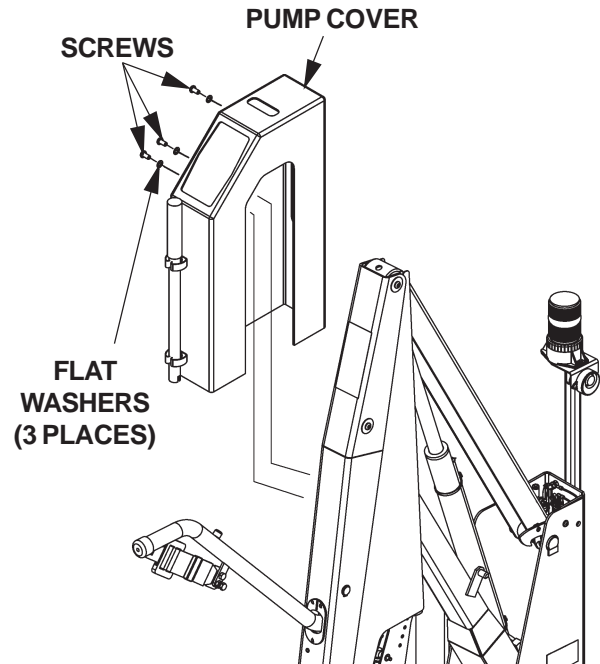


**HYDRAULIC FLUID LEVEL
(LH PUMP SHOWN)
FIG. 11-1**

2. If needed, add fluid to the Reservoir as follows. Pull out (no threads) Filler Cap (**FIG. 11-1**). Fill the Reservoir with Hydraulic Fluid (**TABLE 11-2**) to level "FL" shown in **FIG. 11-1**. Reinstall Filler Cap (**FIG. 11-1**).

RECOMMENDED HYDRAULIC FLUID	
BRAND	PART NUMBER
ROSEMEAD	THS FLUID 17111
EXXON	UNIVIS HVI 26

TABLE 11-2



**BOLTING ON THE PUMP COVER
(LH PUMP SHOWN)
FIG. 11-2**

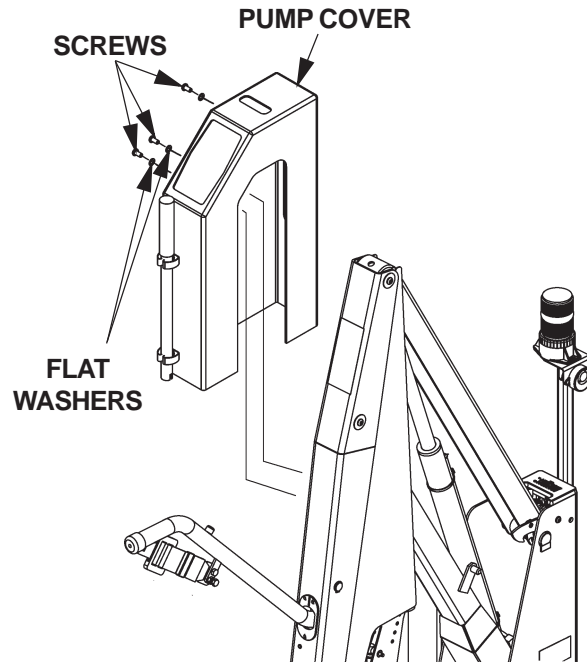
3. Bolt on the Pump Cover as shown in **FIG. 11-2**. Tighten the 5/16"-18 cover screws to approximately **20 LBS.-FT.**

CHANGING HYDRAULIC FLUID

CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

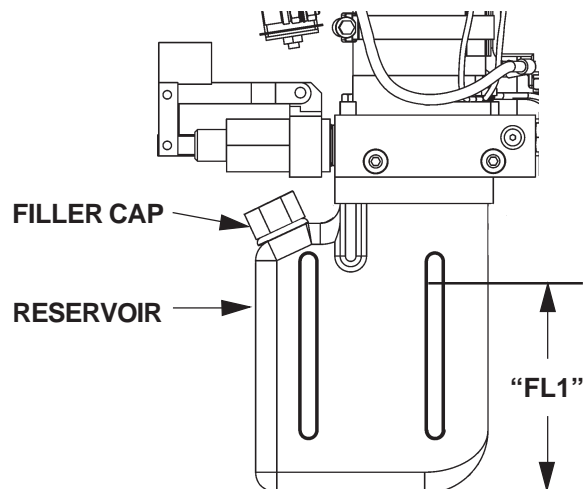
1. Unbolt the Pump Cover and remove it from the Lift as shown in **FIG. 12-1**.



**UNBOLTING / BOLTING PUMP
COVER (LH PUMP SHOWN)**

FIG. 12-1

2. Lower the Lift to ground level. Then measure and record the fluid level ("**FL1**") in the reservoir.



**LH PUMP
FIG. 12-2**

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3. Disconnect the 2 tubes from barbed fittings on the Reservoir (**FIG. 13-1**). Unbolt the Reservoir from Pump. Remove the Reservoir and pour the used hydraulic fluid into a drain pan.
4. Bolt the Reservoir on the Pump. (**FIG. 13-1**). Reconnect tubes to barb fittings on the Reservoir.
5. Pull out (no threads) Filler Cap (**FIG. 12-2**). Fill the Reservoir with Hydraulic Fluid (**TABLE 13-1**) to level ("**FL**") you measured in step 2. Reinstall Filler Cap (**FIG. 12-2**)

RECOMMENDED HYDRAULIC FLUID	
BRAND	PART NUMBER
ROSEMEAD	THS FLUID 17111
EXXON	UNVIS HVI 26

TABLE 13-1

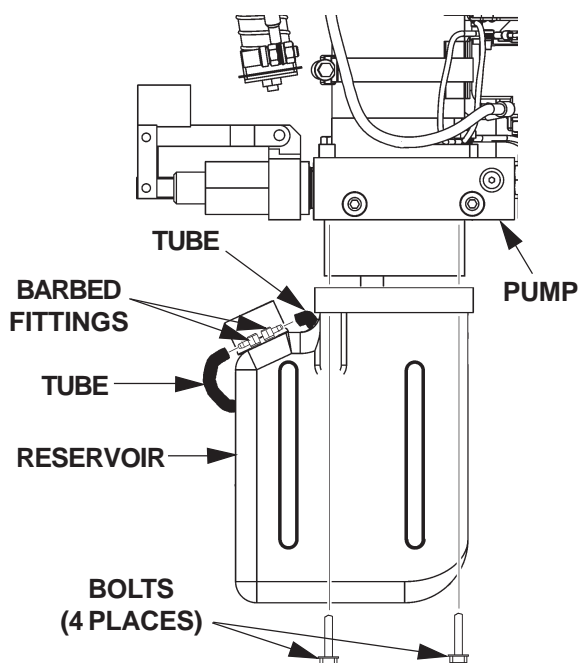
NOTE: WL7 may be equipped with 1 of 2 different sizes of Reservoir. To make sure you have correct fluid level, measure length of Reservoir before checking fluid level.

6. Stow the Lift. Check the Hydraulic Fluid level in Reservoir as follows. Measure length "**L**" of Reservoir. With Liftgate stowed, level "**FL**" should be as shown in **FIG. 13-2** and **TABLE 13-2**.

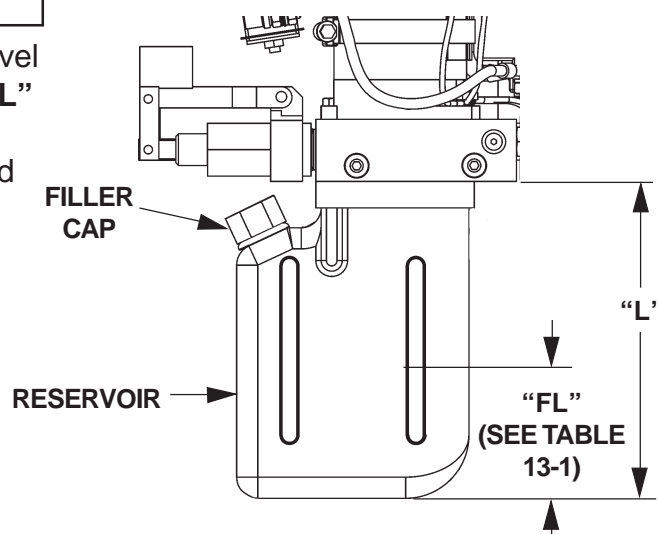
RESERVOIR LENGTH (" L ")	FLUID LEVEL (" FL ")
7-1/2"	1"
9-1/2"	3"

TABLE 13-2

7. Bolt on the Pump Cover as shown in **FIG. 12-1**. Torque the 5/16"-18 cover screws to approximately **20 LBS.-FT.**



**UNBOLTING / BOLTING RESERVOIR
(LH PUMP SHOWN)
FIG. 13-1**

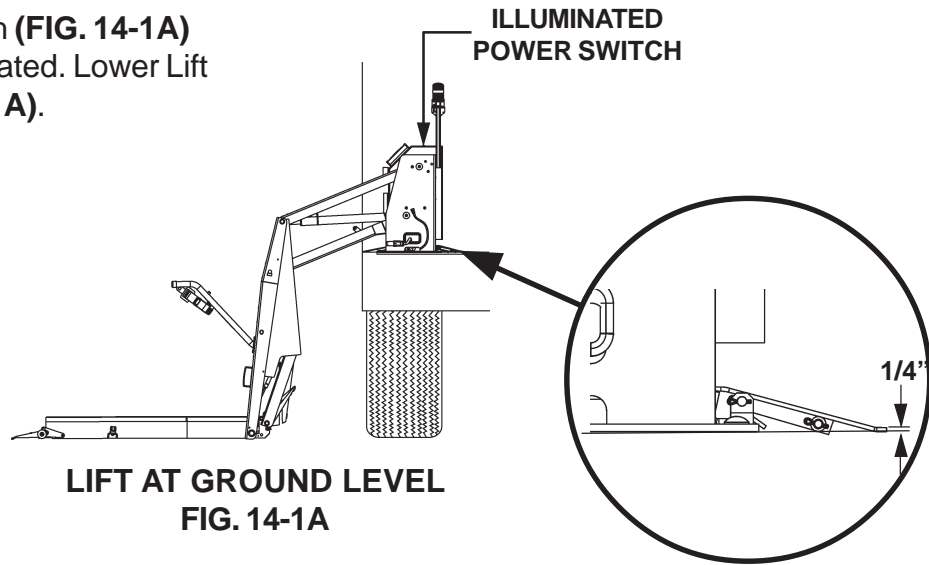


**HYDRAULIC FLUID LEVEL
(LH PUMP SHOWN)
FIG. 13-2**

ADJUSTMENTS

MAT SWITCH ADJUSTMENT

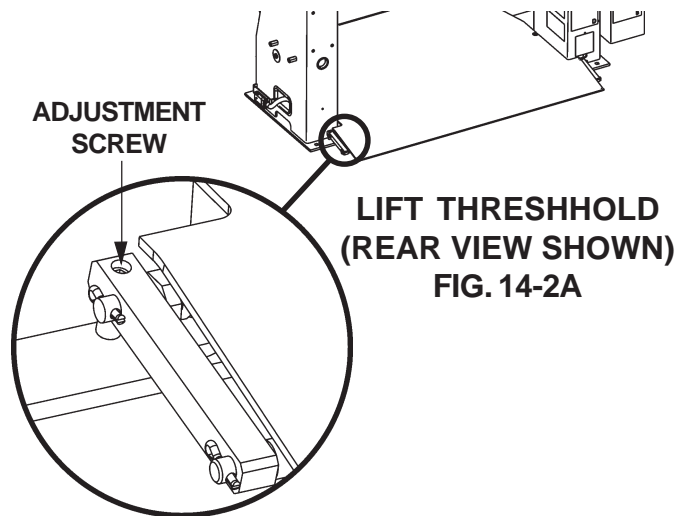
1. Make sure power switch (**FIG. 14-1A**) is turned on and illuminated. Lower Lift to the ground (**FIG. 14-1A**).



**LIFT AT GROUND LEVEL
FIG. 14-1A**

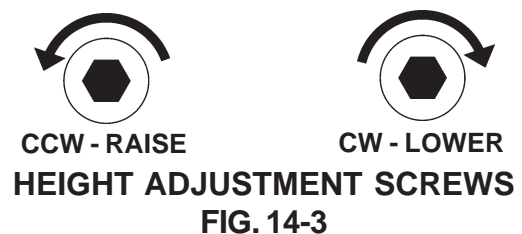
**HEIGHT MEASUREMENT
(RH SIDE SHOWN)
FIG. 14-1B**

2. Measure the height of the Threshold Plate as shown in (**FIG. 14-1B**). If the height is not 1/4", do step 3. If the height is already 1/4", skip step 3, and go on to step 4.



**HEIGHT ADJUSTMENT SCREW
(RH SIDE SHOWN)
FIG. 14-2B**

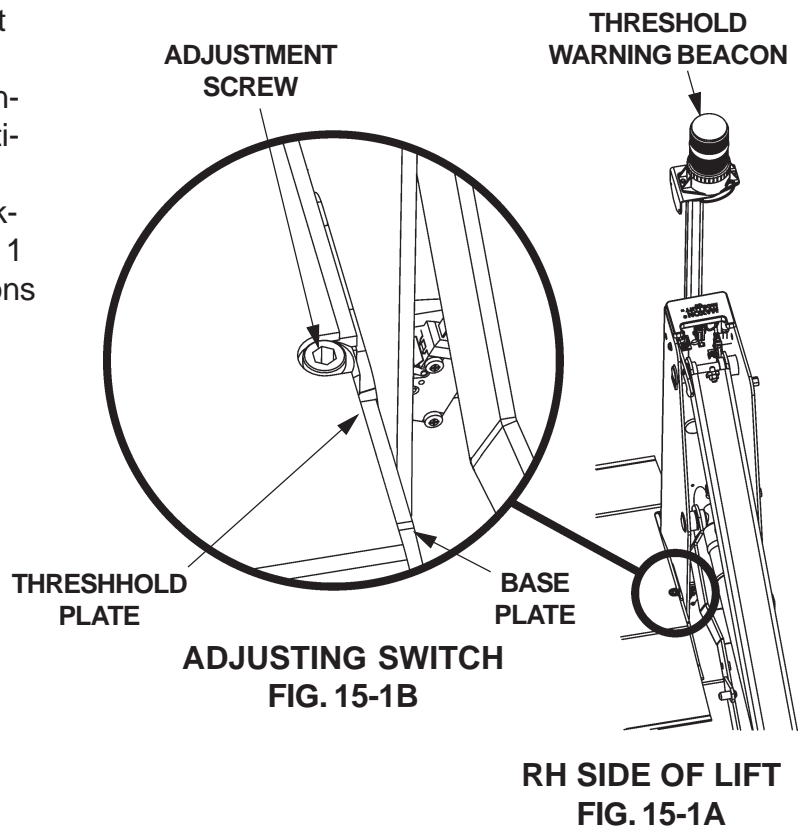
3. Set edge of the Threshold Plate to to 1/4" height by turning the adjustment screw on the RH Side of Threshold plate (**FIG. 14-2B**). Turn adjustment screw counter-clockwise (**FIG. 14-3**) to raise Threshold Plate or clockwise to lower. Repeat for LH Side of Threshold Plate. Alternately measure height (see step 2) and turn the adjustment screw on RH Side and LH Side until the entire edge of Threshold plate is at the 1/4" height.



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4. Turn the MAT switch adjustment screw (**FIG. 15-1B**) clockwise (**FIG. 15-2**) until Threshold Warning Alarm and Beacons are activated (**FIG. 15-1A**). Then turn adjustment screw counter-clockwise (**FIG. 15-2**) approximately 1 turn. Warning Alarm and Beacons should turn off.



MAT SWITCH ADJUSTMENT SCREWS
FIG. 15-2

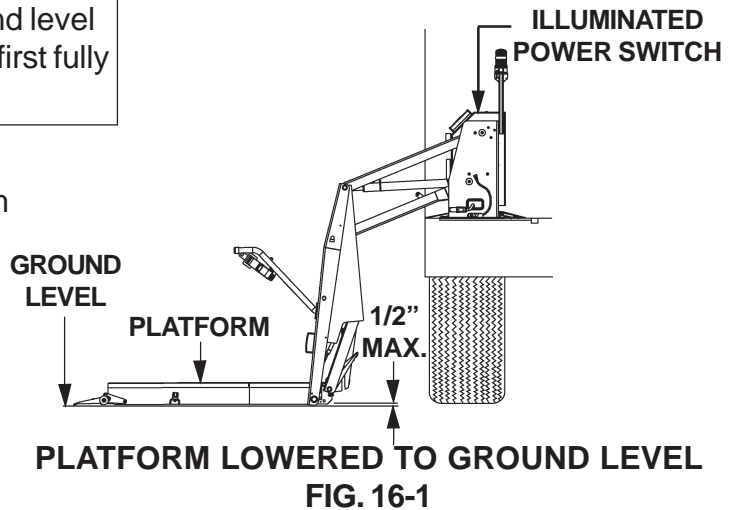
5. Step on Threshold Plate. Warning Alarm and Beacons should activate. If the Warning Alarm and Beacons do not activate, turn Adjustment Screw (**FIG. 15-1B**) clockwise (**FIG. 15-2**) a little. Repeat until Warning Alarm and Beacons activate when you step on Threshold Plate and turn off when you step off Threshold Plate.

PLATFORM TILT ADJUSTMENT

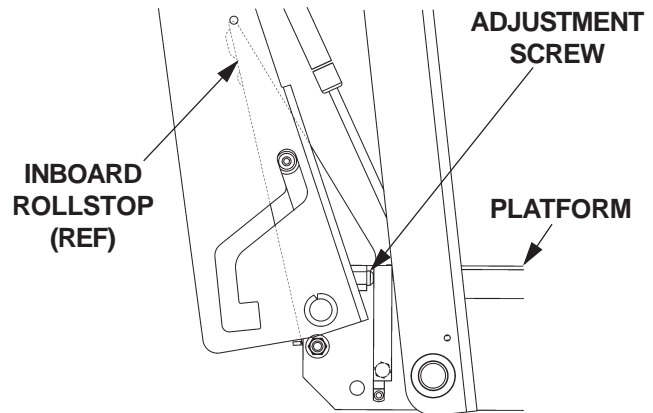
NOTE: The platform tilt adjustment is important for operation of the Outboard Rollstop and for keeping Platform level when it reaches the ground. Vehicle floor height, Lift installation angle, and stiffness of the Vehicle suspension may change the angle of Platform on the ground.

NOTE: For the following procedure, ground level is where the Outboard Rollstop is first fully opened for crossing.

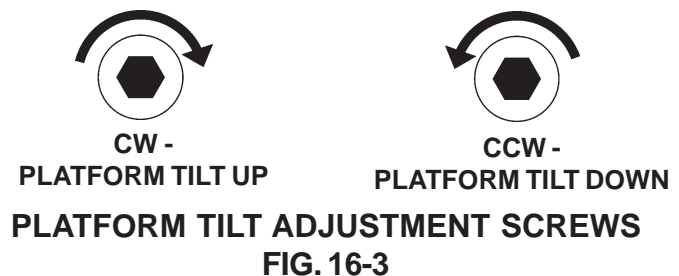
1. Make sure power switch (**FIG. 16-1**) is turned on and illuminated. Lower platform to ground level (**FIG. 16-1**).



2. Measure the distance between the inboard edge of Platform and the ground. Distance should be no more than 1/2" (**FIG. 16-1**).

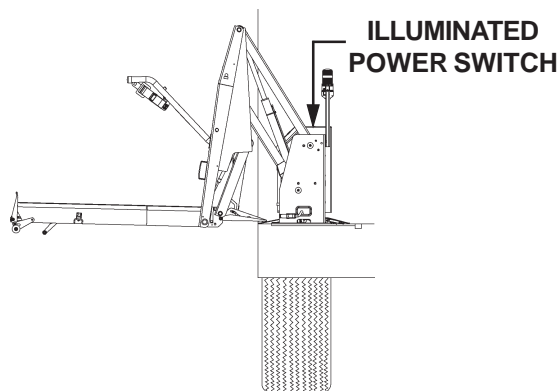


3. To ensure proper leveling, turn PLATFORM TILT adjustment screws (**FIG. 16-2**) an equal amount, on both sides of Platform. Turn adjustment screws clockwise (**FIG. 16-3**) to tilt the Platform up or counter-clockwise to tilt Platform down.



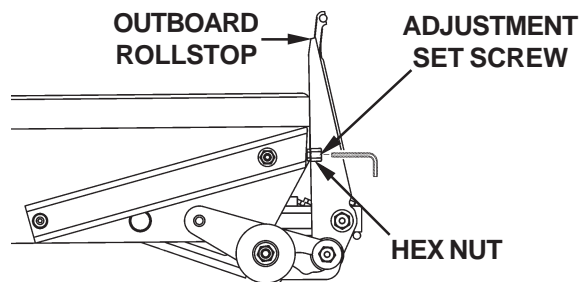
OUTBOARD ROLLSTOP SWITCH ADJUSTMENT

1. Make sure power switch (**FIG. 17-1**) is turned on and illuminated. Unfold the Lift (**FIG. 17-1**).

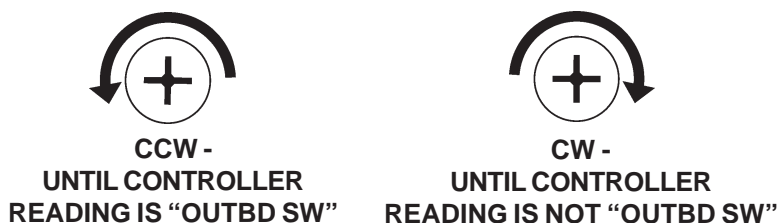


LIFT AT FLOOR LEVEL
FIG. 17-1

2. Loosen hex nut (**FIG. 17-2**) on OUTBOARD ROLLSTOP adjustment screw. Turn OUTBOARD ROLLSTOP adjustment screw counter-clockwise (**FIG. 17-3**) until the screw breaks contact with switch actuator and Controller reading is **OUTBD SW** (**FIG. 17-4**).

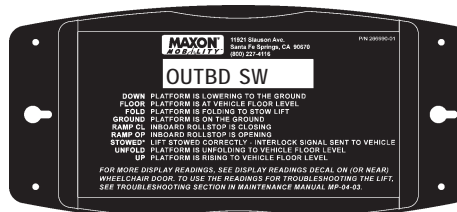


OUTBOARD ROLLSTOP
FIG. 17-2



OUTBOARD ROLLSTOP SWITCH
ADJUSTMENT SCREW
FIG. 17-3

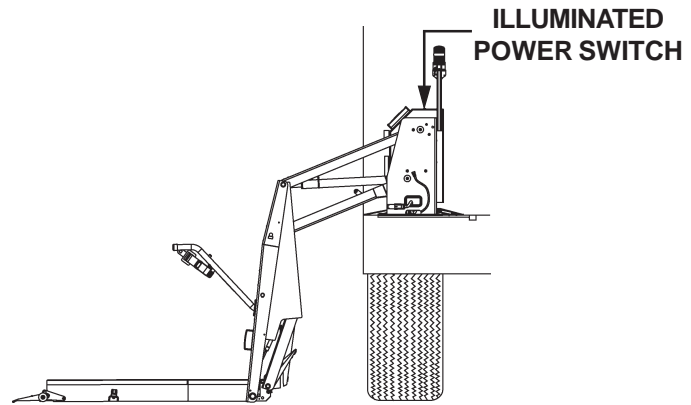
3. Make sure Outboard Rollstop is all the way up as shown in **FIG. 17-2**. Then turn OUTBOARD ROLLSTOP adjustment screw clockwise (**FIG. 17-3**) until switch closes (it clicks) and the Controller reading **OUTBD SW** is turned off. Tighten hex nut (**FIG. 17-2**).



CONTROLLER READING -
OUTBOARD SWITCH ACTIVATED
FIG. 17-4

GROUND SWITCH ADJUSTMENT

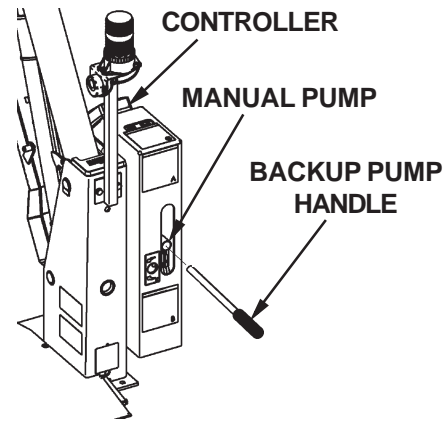
1. Make sure power switch (**FIG. 18-1**) is illuminated and turned on. Lower Lift to the ground (**FIG. 18-1**).



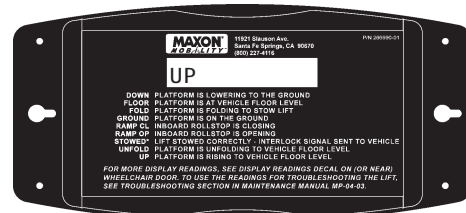
**LIFT AT GROUND LEVEL
FIG. 18-1**

NOTE: When using the Manual Pump, first make sure the notches are lined up vertically on tip of the Manual Backup Handle. Then make sure Handle is fully engaged with Manual Pump before you start pumping with the Handle. See the Operation Manual for more information on operating the Manual Pump.

2. Use the Manual Pump (**FIG. 18-2**) to raise the Lift so the top surface of the Platform is 3" above ground (**FIG. 18-3**). Controller (**FIG. 18-2**) reading should be **UP** (**FIG. 18-3**), but could read **GROUND** (**FIG. 19-2**) if switch requires adjustment.

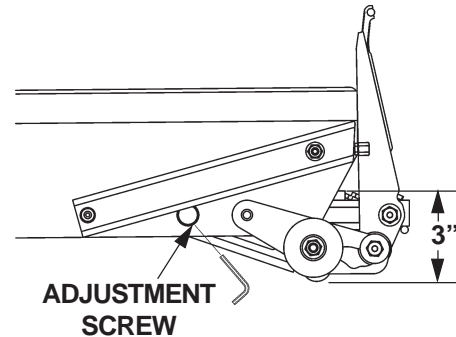


**LIFT WITH LH PUMP
(LH TOWER SHOWN)
FIG. 18-2**



**CONTROLLER READING -
PLATFORM RAISED 3"
ABOVE GROUND
FIG. 18-3**

- Turn the GROUND switch adjustment screw (**FIG. 19-1**) counter-clockwise (**FIG. 19-2**) until switch “clicks” and Controller displays **GROUND** (**FIG. 19-3**). Next turn GROUND switch adjustment screw clockwise (**FIG. 19-3**) until switch “clicks” and Controller displays **UP** (**FIG. 18-3**).



PLATFORM 3" ABOVE GROUND
FIG. 19-1



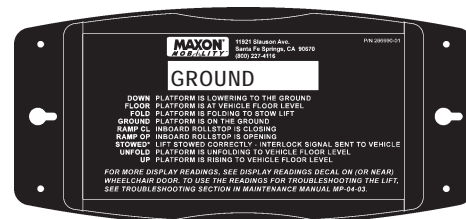
CCW -
UNTIL CONTROLLER
READS "GROUND"



CW -
UNTIL CONTROLLER
READS "UP"

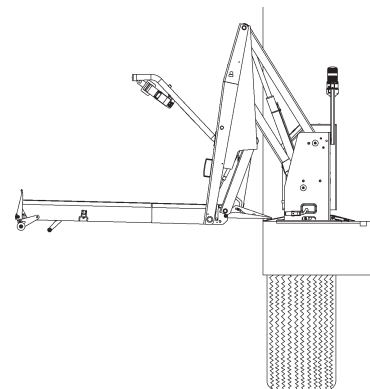
GROUND SWITCH ADJUSTMENT SCREW
FIG. 19-2

- Raise the lift to Vehicle Floor level (**FIG. 19-4**). Then lower the Lift to the ground (**FIG. 18-1**). Controller should display **GROUND** (**FIG. 19-3**).



CONTROLLER READING -
PLATFORM AT GROUND LEVEL
FIG. 19-3

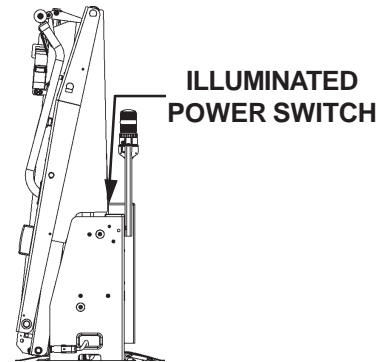
- Use the Manual Pump (**FIG. 18-2**) to raise the Lift so the top surface of Platform is 3" above ground (**FIG. 19-1**). Controller (**FIG. 18-2**) should display **UP** (**FIG. 18-3**).



LIFT AT FLOOR LEVEL
FIG. 19-4

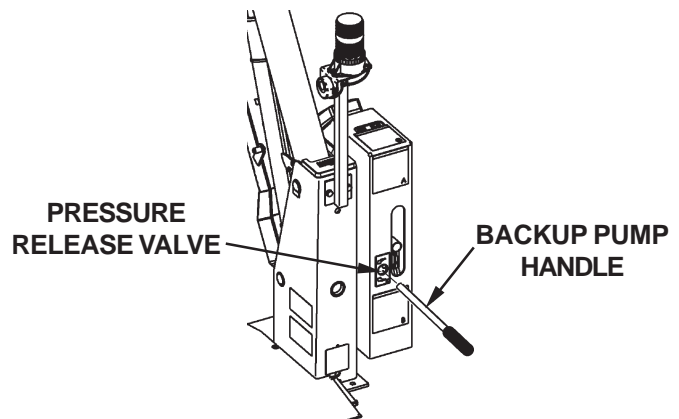
STOW SWITCH ADJUSTMENT

1. Make sure power switch (**FIG. 20-1**) is turned on and illuminated. Stow the Lift (**FIG. 20-1**).

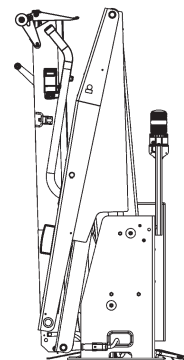


**STOWED LIFT
(PUMP ON LH SIDE)
FIG. 20-1**

2. Open the pressure release valve (**FIG. 20-2**) counter-clockwise with the Backup Pump Handle. As the Lift starts to unfold and rests against the latches (**FIG. 20-3**), close the pressure release valve (**FIG. 20-2**) clockwise).



**LIFT WITH LH PUMP
(LH TOWER SHOWN)
FIG. 20-2**



**LIFT RESTING ON
LATCHES
FIG. 20-3**

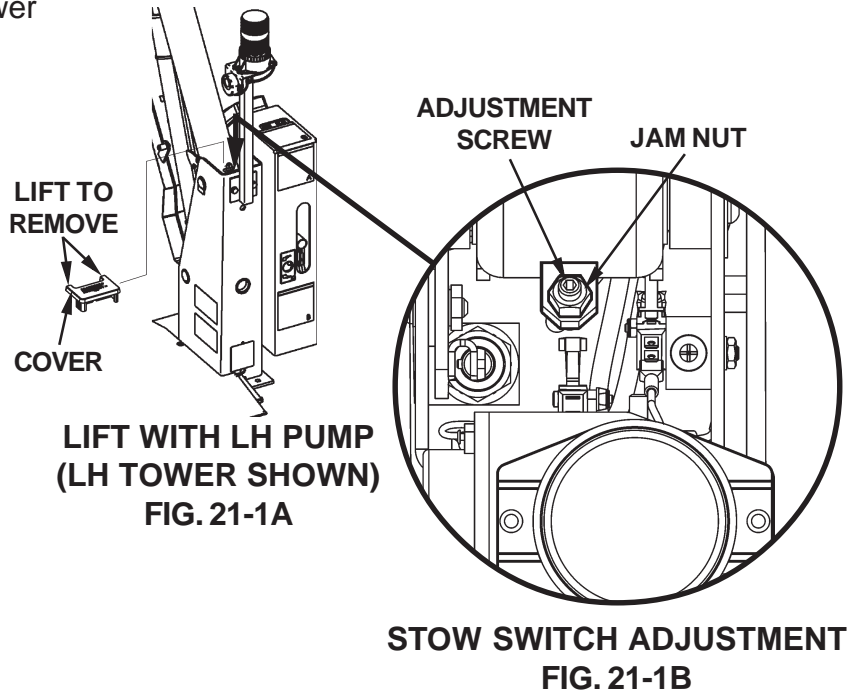
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NOTE: The STOW switch adjustment screw is always on the same side of the Lift as the Pump Cover.

3. Remove cover from top of tower **(FIG. 21-1A)**.

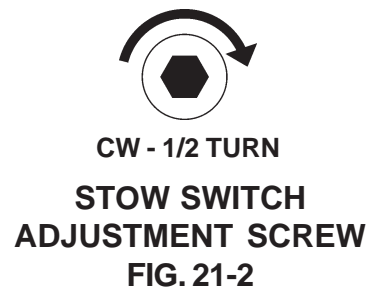
4. Loosen jam nut **(FIG. 21-1B)** on the STOW switch adjustment screw. Then turn adjustment screw 1/2 turn clockwise **(FIG. 21-2)**.



5. Repeat step 1 to stow the Lift and check the Platform in the stowed position.

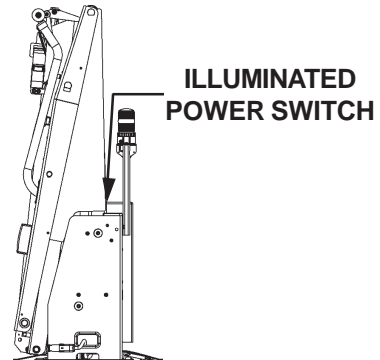
6. When adjustment is complete, tighten jam nut **(FIG. 21-1B)** on the STOW switch adjustment screw.

7. Reinstall cover on tower **(FIG. 21-1A)**.



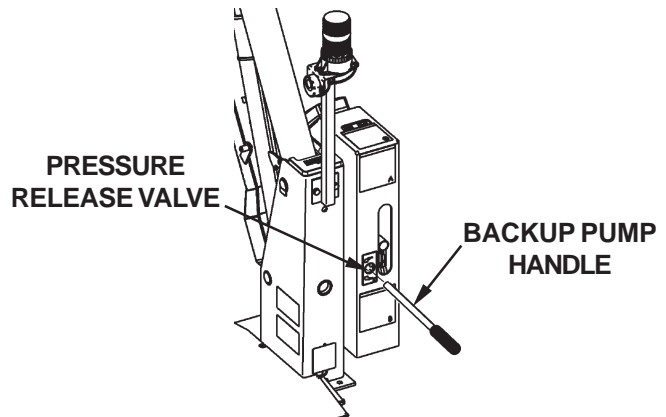
STAR (*) SWITCH ADJUSTMENT

1. Make sure power switch (**FIG. 22-1**) is turned on and illuminated. Stow the Lift (**FIG. 22-1**).

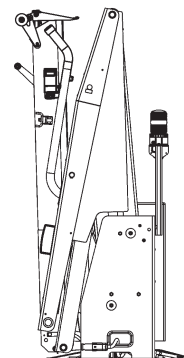


**STOWED LIFT
(PUMP ON LH SIDE)
FIG. 22-1**

2. Open the pressure release valve (**FIG. 22-2**) counter-clockwise with the Backup Pump Handle. As the Lift starts to unfold and rests against the latches (**FIG. 22-3**), close the pressure release valve (**FIG. 22-2**) clockwise).



**LIFT WITH LH PUMP
(LH TOWER SHOWN)
FIG. 22-2**



**LIFT RESTING ON
LATCHES
FIG. 22-3**

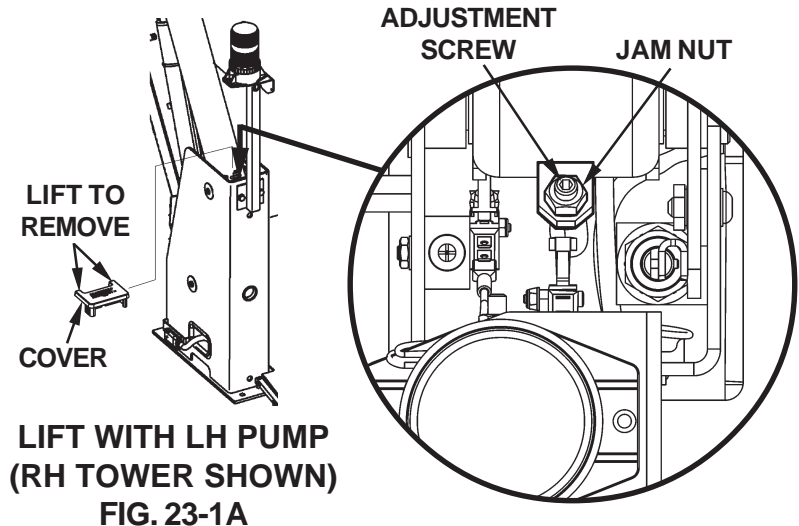
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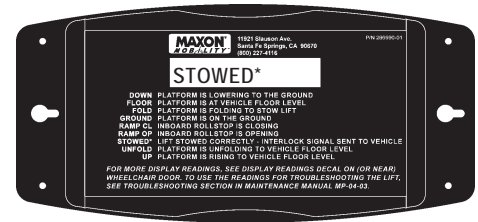
NOTE: The STAR (*) adjustment screw is always on the opposite side of the Lift from the Pump Cover.

3. Remove cover from top of tower (**FIG. 23-1A**).

4. Loosen jam nut (**FIG. 23-1B**).
Turn the STAR (*) switch adjustment screw until Lift Controller displays **STOWED *** (**FIG. 23-2**).



5. Next turn the STAR (*) switch adjustment screw (**FIG. 23-3**) another 1/2 turn clockwise. Then tighten jam nut (**FIG. 23-1B**).



**CONTROLLER READING -
PLATFORM STOWED & STAR
SWITCH ACTIVATED**
FIG. 23-2

6. Repeat step 2. Lift Controller should display **STOWED *** (**FIG. 23-2**) when Lift is stowed and when Lift is resting on the latches.



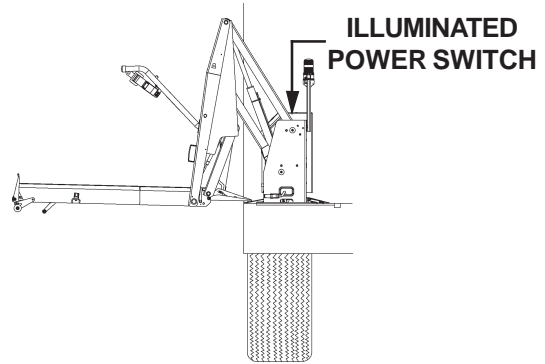
**STAR (*) SWITCH
ADJUSTMENT SCREW**
FIG. 23-3

7. Reinstall cover on tower (**FIG. 23-1A**).

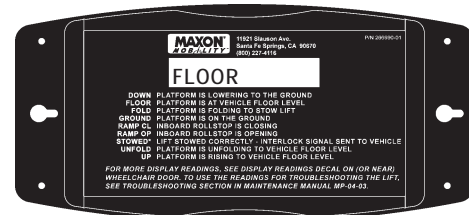
FOLD SWITCH ADJUSTMENT

NOTE: The FOLD switch adjustment screw is always on the same side of the Lift as the Pump Cover.

1. Make sure power switch (**FIG. 24-1**) is turned on and illuminated. Make sure Controller is reading **FLOOR** (**FIG. 24-2**) before going to the next step.



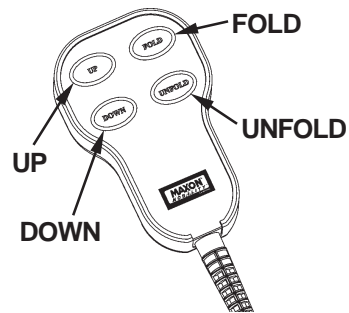
**LIFT AT FLOOR LEVEL
FIG. 24-1**



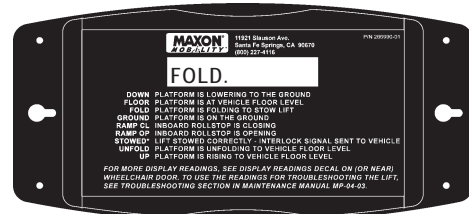
**CONTROLLER READING -
PLATFORM AT FLOOR LEVEL
FIG. 24-2**

NOTE: Watch the Controller readings as the Platform starts folding.

2. Push **FOLD** on the Hand Control (**FIG. 24-3**). Controller reading should be **FOLD. (dot)** as shown in **FIG. 24-4**.



**HAND CONTROL
FIG. 24-3**



**CONTROLLER READING -
PLATFORM STARTS MOVING TO FOLD
FIG. 24-4**

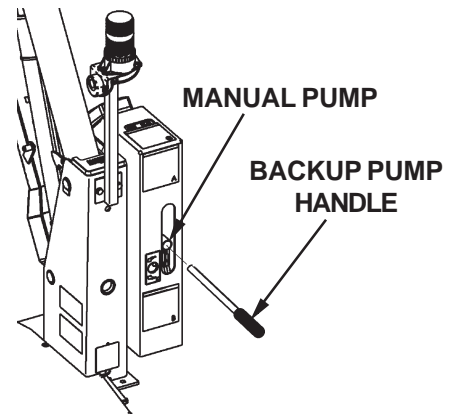
3. As soon as the Platform starts moving, release **FOLD** switch. Controller reading should change to **UNFOLD**. (dot) as shown in **FIG. 25-1**.



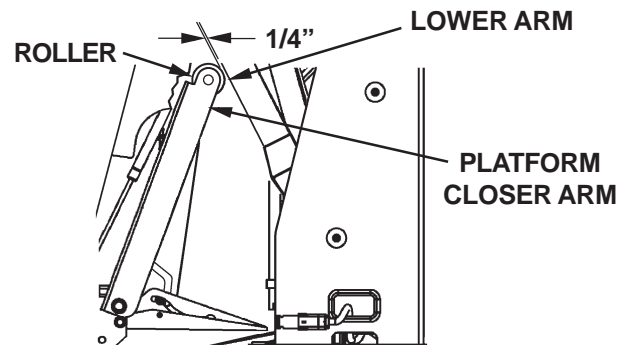
**CONTROLLER READING -
PLATFORM STOPPED BEFORE FOLDING
FIG. 25-1**

NOTE: When using the Manual Pump, first make sure the notches are lined up vertically on tip of the Manual Backup Handle. Then make sure Handle is fully engaged with Manual Pump before you start pumping with the Handle. See the Operation Manual for more information on operating the Manual Pump.

4. Use the Backup Pump (**FIG. 25-2**) to move the roller on the Platform Closer Arm to approximately 1/4" from the bottom of the Lower Arm (**FIG. 25-3**).



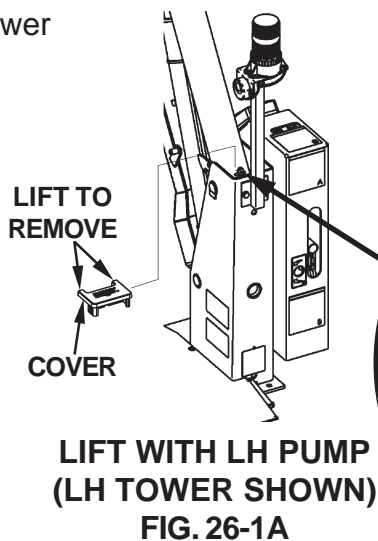
**LIFT WITH LH PUMP
(LH TOWER SHOWN)
FIG. 25-2**



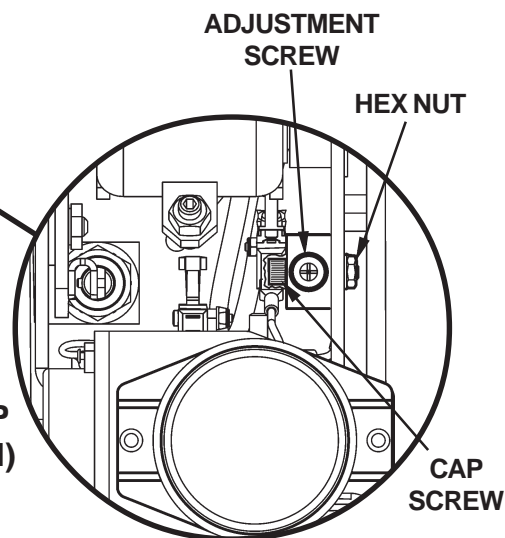
**LIFT WITH LH PUMP
(RH TOWER SHOWN)
FIG. 25-3**

FOLD SWITCH ADJUSTMENT - Continued

5. Remove cover from top of tower (FIG. 26-1A).



6. Loosen hex nut (FIG. 26-1B) and cap screw. Turn adjustment screw clockwise or counter-clockwise as required (FIG. 26-2) until Controller reads **FOLD** (FIG. 26-3).



**FOLD SWITCH ADJUSTMENT
FIG. 26-1B**



CW -

LIFT STARTS FOLDING WITH
ROLLER FARTHER FROM ARM

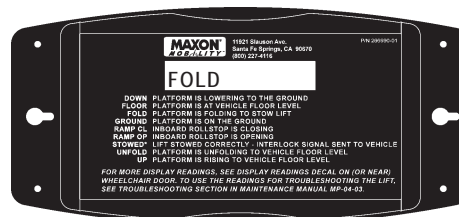


CCW -

LIFT STARTS FOLDING WITH
ROLLER CLOSER TO ARM

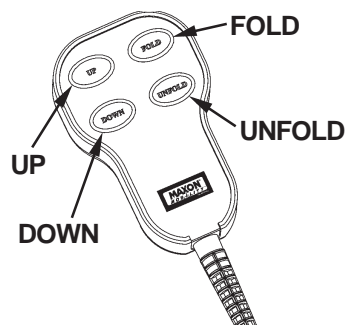
FOLD SWITCH ADJUSTMENT SCREW

FIG. 26-2



**CONTROLLER READING -
PLATFORM FOLDING
FIG. 26-3**

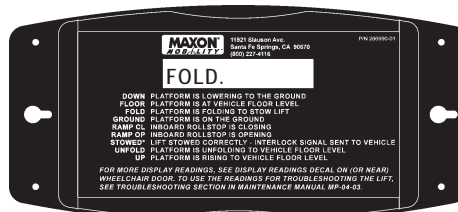
7. Position the Lift at floor level as in step 1.



**HAND CONTROL
FIG. 27-1**

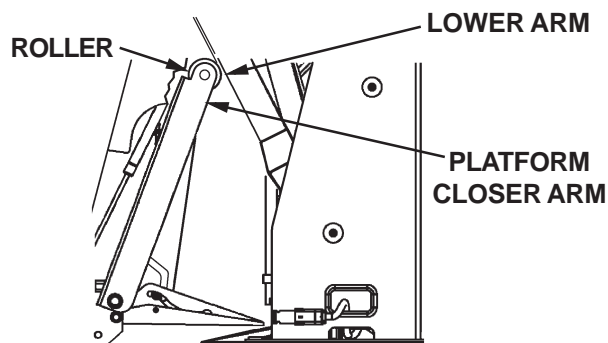
NOTE: Watch the Controller readings as the Platform starts folding.

8. Push **FOLD** on the Hand Control (**FIG. 27-1**). Controller reading should be **FOLD. (dot)** as shown in **FIG. 27-2**.



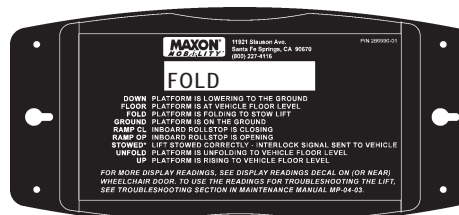
**CONTROLLER READING -
PLATFORM STARTS MOVING TO FOLD
FIG. 27-2**

9. Before the roller on the Platform Closer Arm touches the lower Parallel Arm (**FIG. 27-3**), Controller reading should change to **FOLD (FIG. 27-4)**.



**LIFT WITH LH PUMP
(RH TOWER SHOWN)
FIG. 27-3**

10. If adjustment is complete, tighten hex nut (**FIG. 26-1B**) and cap screw. If required, repeat this procedure starting from step 1.



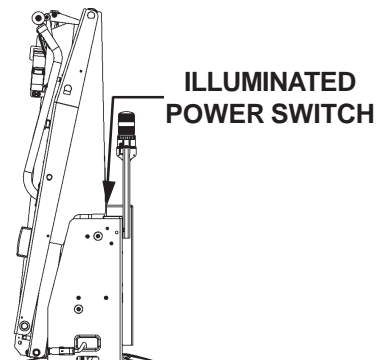
**CONTROLLER READING -
PLATFORM FOLDING
FIG. 27-4**

11. Reinstall cover on tower (**FIG. 26-1A**).

FLOOR SWITCH ADJUSTMENT

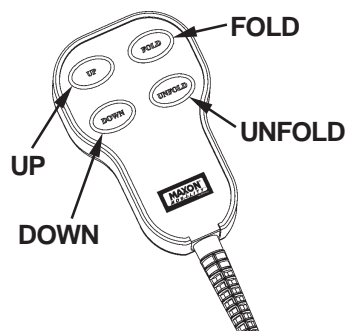
NOTE: The Platform FLOOR switch adjustment screw is always on the opposite side of the Lift from the Pump Cover.

1. Make sure power switch (**FIG. 28-1**) is turned on and illuminated. Stow the Lift (**FIG. 28-1**).



**STOWED LIFT
(PUMP ON LH SIDE)
FIG. 28-1**

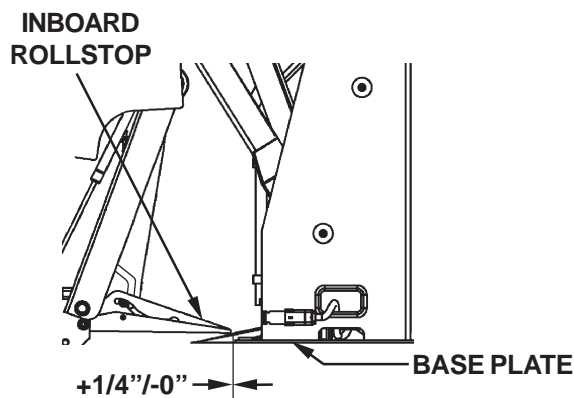
2. Use hand control (**FIG. 28-2**) to **UNFOLD** Lift to vehicle floor level. Then lower the Lift **DOWN** to ground level.



**HAND CONTROL
FIG. 28-2**

3. Use hand control (**FIG. 28-2**) to raise Lift **UP** to vehicle floor level.

4. The edge of the Inboard Rollstop should line up with the edge of the Base Plate as shown in **FIG. 28-3**.



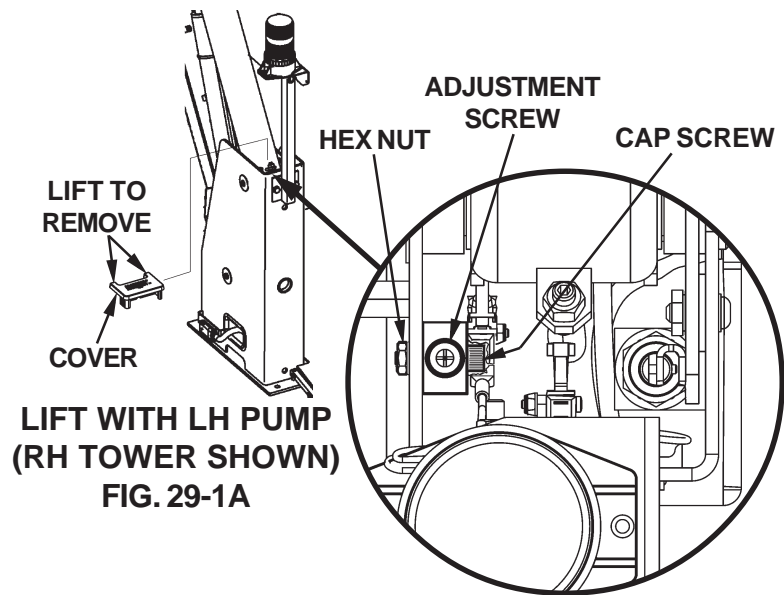
**INBOARD ROLLSTOP LINED
UP WITH BASE PLATE
FIG. 28-3**

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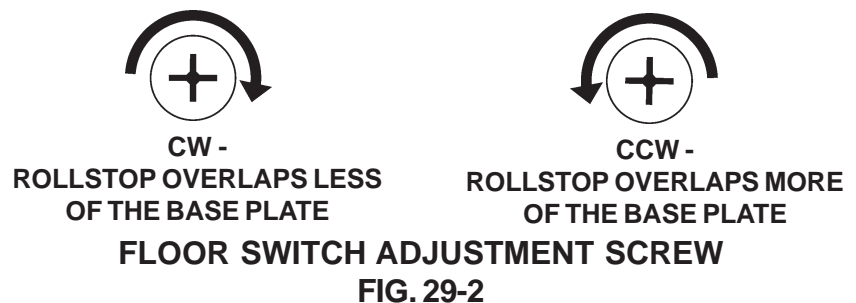
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5. Remove cover from top of tower
(FIG. 29-1A).

6. Loosen hex nut and cap screw
(FIG. 29-1B). Turn adjustment
screw clockwise to decrease
the overlap and counter-clock-
wise to increase the overlap
(FIG. 29-2). Repeat steps 1 - 3
to check alignment of the edges
of the Inboard Rollstop and
Base Plate **(FIG. 15-3).**



**FLOOR SWITCH ADJUSTMENT
FIG. 29-1B**



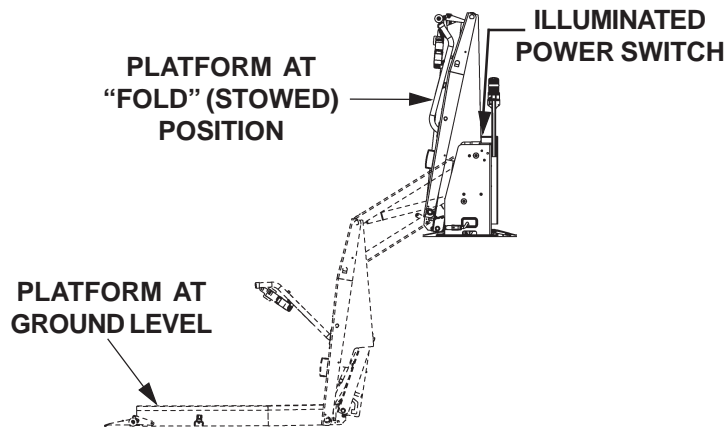
7. When adjustment is complete, tighten
hex nut **(FIG. 29-1B)** and cap screw.

8. Reinstall cover on tower **(FIG. 29-1A).**

PRESSURE SWITCH ADJUSTMENT (IF EQUIPPED)

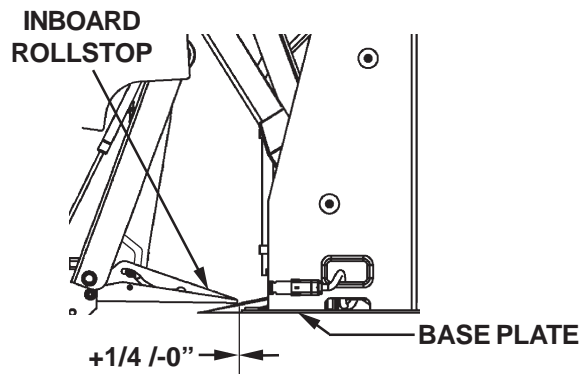
NOTE: Before doing this procedure, make sure vehicle battery is fully charged. An undercharged battery can make Lift operate incorrectly.

1. Make sure power switch (**FIG. 30-1**) is turned on and illuminated. **UNFOLD** Platform and then lower it **DOWN** to the ground (**FIG. 30-1**).



**FOLDING & UNFOLDING PLATFORM
FIG. 30-1**

2. Raise the Platform until it comes to a full stop at vehicle floor level, and the Inboard Rollstop and Base Plate are aligned (**FIG. 30-2**). Controller reading should be **FLOOR** (**FIG. 30-3**).

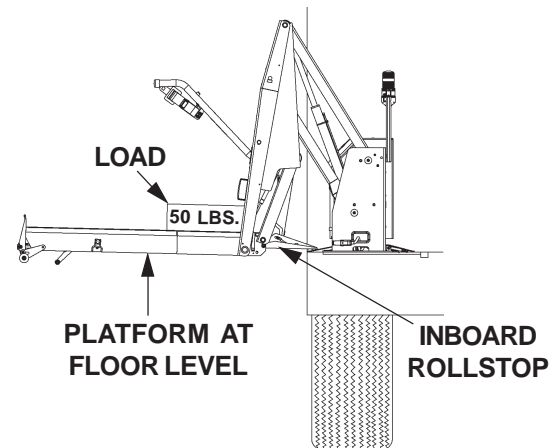


**PLATFORM AT FLOOR LEVEL
INBOARD ROLLSTOP LINED
UP WITH BASE PLATE
FIG. 30-2**



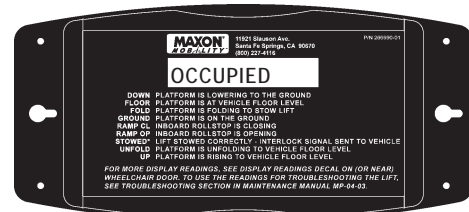
**CONTROLLER READING -
PLATFORM AT FLOOR LEVEL
FIG. 30-3**

- Place a 50 pound load nearest the Inboard Rollstop and centered on the Platform (**FIG. 31-1**). Try to **FOLD** the Platform using Hand Control. Platform should not fold and Controller reading should be **OCCUPIED** (**FIG. 31-2**).



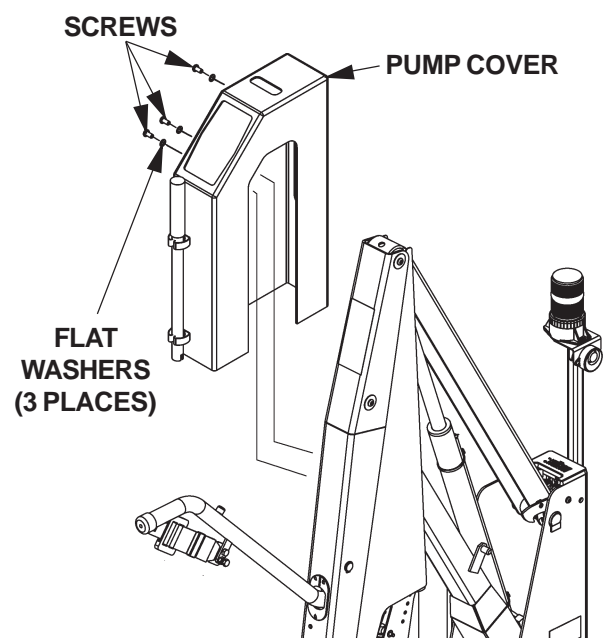
**PLATFORM WITH 50 LB. LOAD
FIG. 31-1**

- If the Platform starts folding with the 50 pound load, stop folding Platform. Then **UNFOLD** Platform to vehicle floor level as shown in **FIG. 30-1**. Controller reading should be **FLOOR** (**FIG. 30-3**).



**CONTROLLER READING -
OCCUPIED PLATFORM AT FLOOR LEVEL
FIG. 31-2**

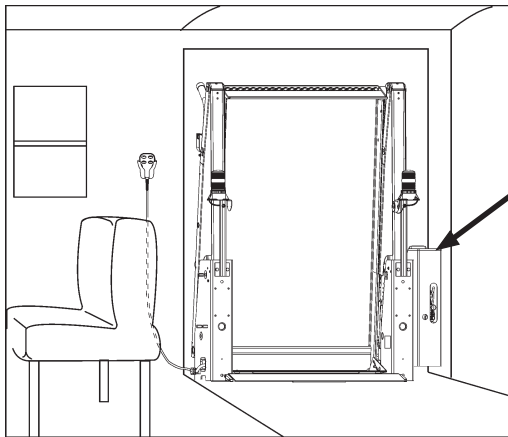
- Remove Pump Cover (**FIG. 31-3**).



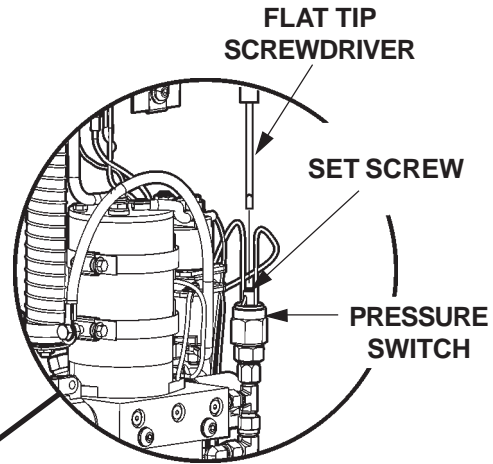
**BOLTING/ UNBOLTING THE PUMP COVER
(LH PUMP SHOWN)
FIG. 31-3**

PRESSURE SWITCH ADJUSTMENT (IF EQUIPPED) - Continued

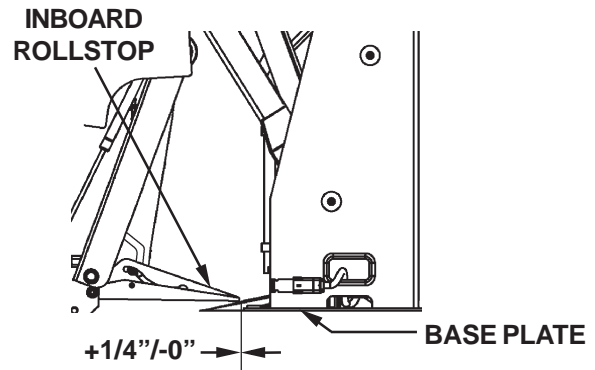
6. Turn the Pressure Switch set screw (FIG. 32-1B) counter-clockwise a little at a time. Try to **FOLD** platform using Hand Control. Release **FOLD** Switch if platform starts to fold. Then, **UNFOLD** platform to vehicle floor level (FIG. 32-2). Repeat this step until platform will not fold with the 50 pound load and Controller reading is **OCCUPIED** (FIG. 32-3).



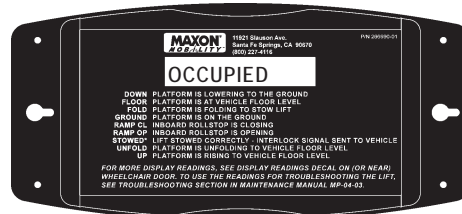
**LIFT VIEWED FROM INSIDE VEHICLE
(POWER UNIT ON LH SIDE)
FIG. 32-1A**



**ADJUSTING
PRESSURE SWITCH
FIG. 32-1B**



**PLATFORM AT FLOOR LEVEL
INBOARD ROLLSTOP LINED
UP WITH BASE PLATE
FIG. 32-2**

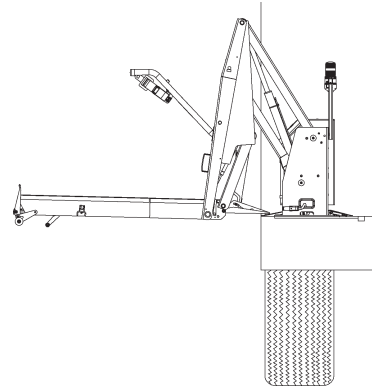


**CONTROLLER READING -
OCCUPIED PLATFORM AT FLOOR LEVEL
FIG. 32-3**

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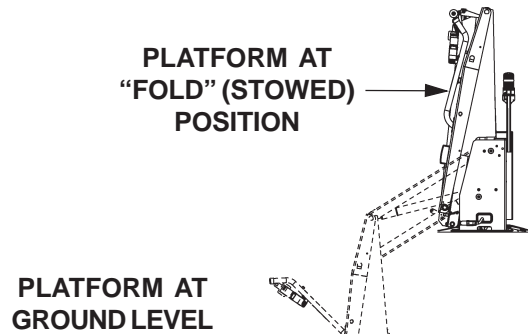
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7. Remove 50 pound load from Platform
(FIG. 33-1).



PLATFORM WITHOUT LOAD
FIG. 33-1

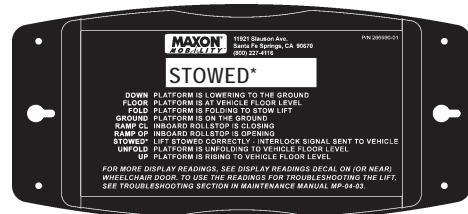
8. **FOLD** the Platform to stowed position.
(FIG. 33-2). Controller reading should
be **FOLD** (FIG. 33-3) while Lift is
folding and **STOWED *** (FIG. 33-4)
when Lift is stowed and interlock is on.



FOLDING & UNFOLDING PLATFORM
FIG. 33-2



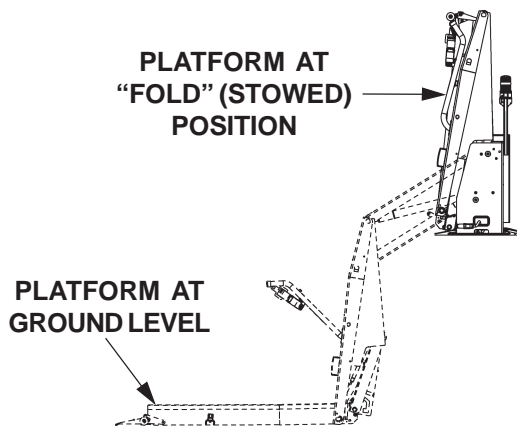
CONTROLLER READING -
PLATFORM FOLDING
FIG. 33-3



CONTROLLER READING -
PLATFORM STOWED & INTERLOCK ON
FIG. 33-4

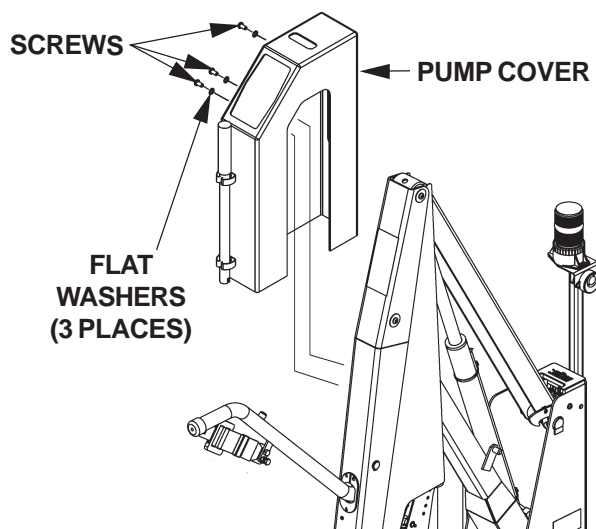
PRESSURE SWITCH ADJUSTMENT (IF EQUIPPED) - Continued

9. **UNFOLD** Platform and then lower it **DOWN** to the ground (**FIG. 34-1**). Then raise the Lift and **FOLD** it to stowed position (**FIG. 34-1**). Make sure Lift operates correctly as it unfolds, lowers, raises, and folds.



FOLDING & UNFOLDING PLATFORM
FIG. 34-1

10. Reinstall the Pump Cover (**FIG. 34-2**).

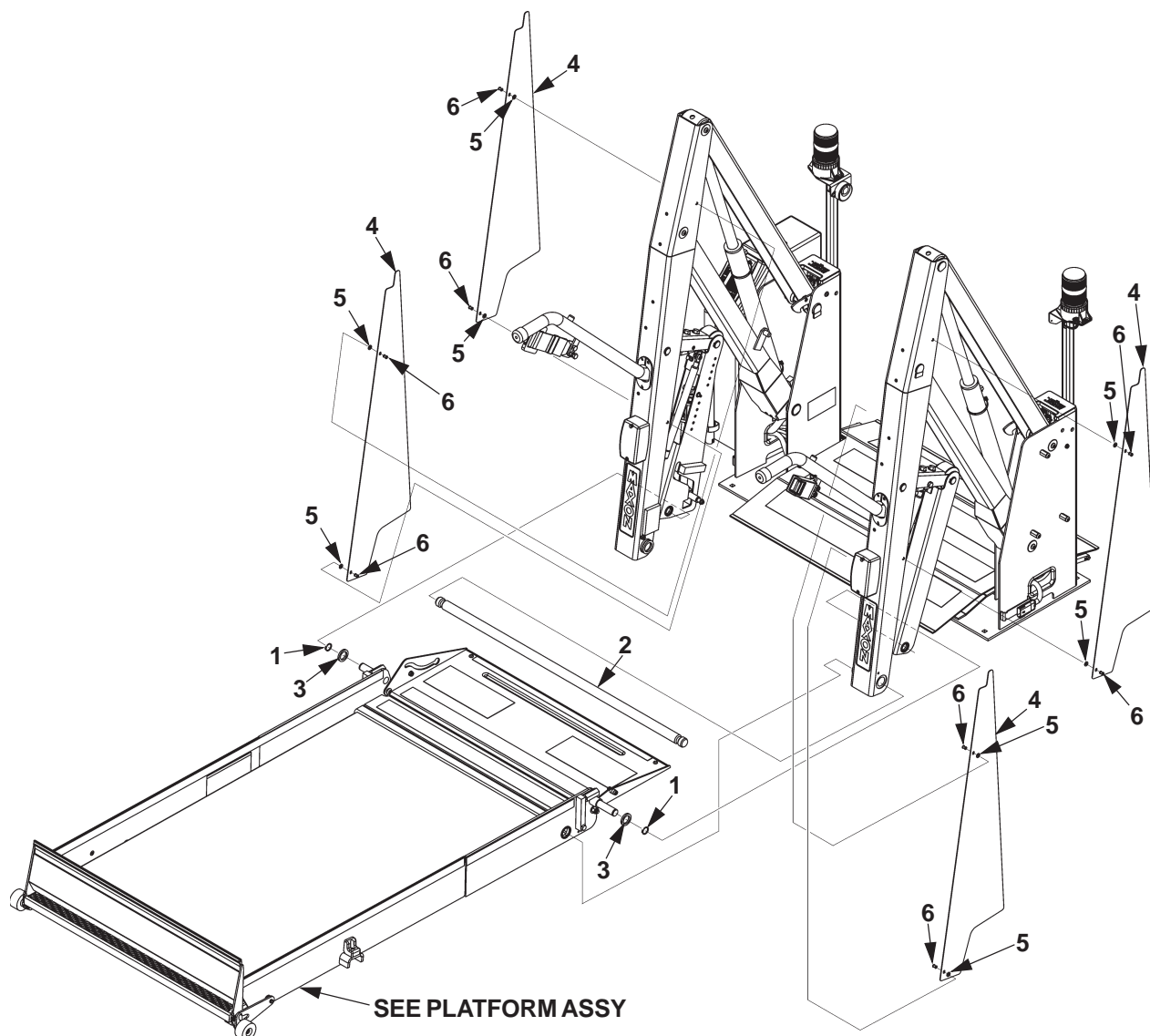


BOLTING/ UNBOLTING THE PUMP COVER
(LH PUMP SHOWN)
FIG. 34-2

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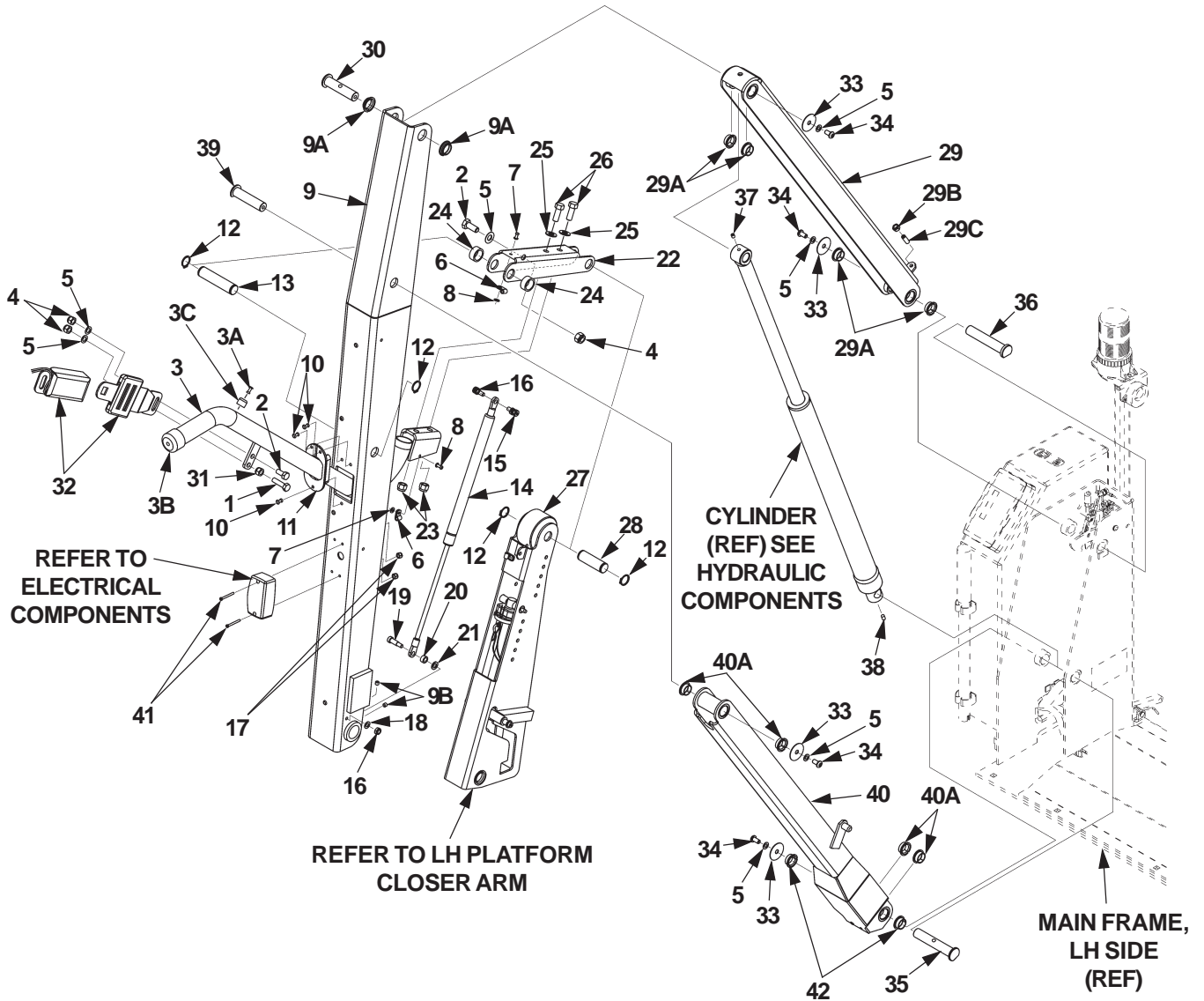
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PARTS BREAKDOWN MAIN ASSEMBLY-1



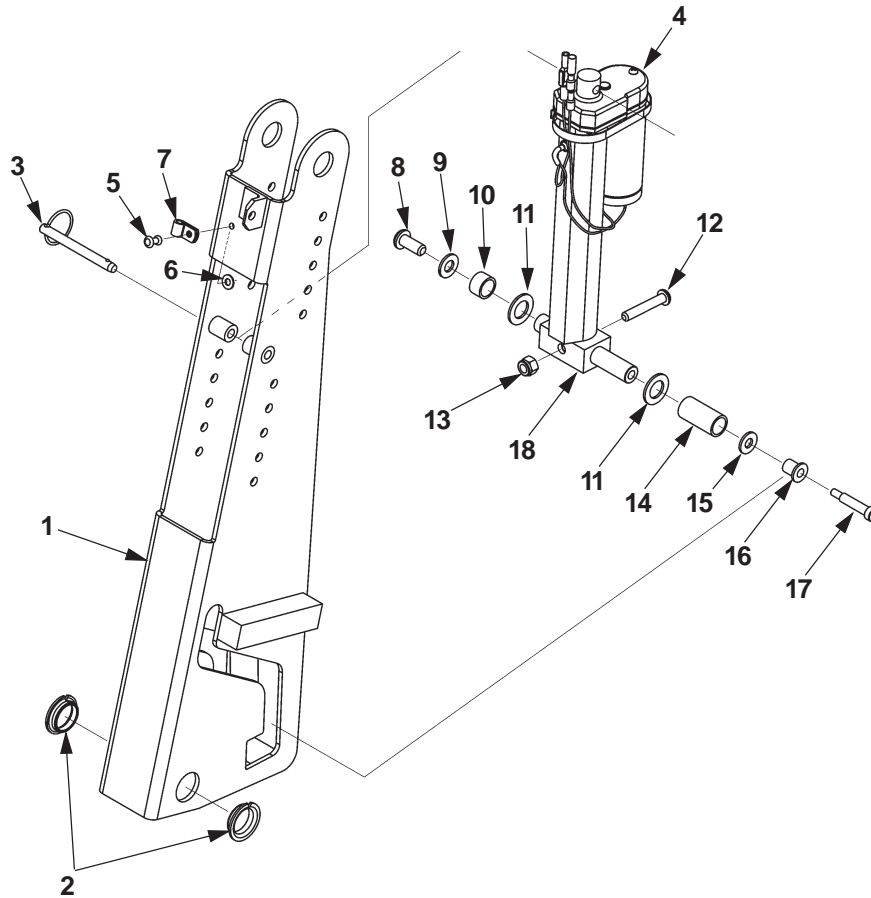
ITEM	QTY.	PART NO.	DESCRIPTION
1	2	905005	RETAINING RING, 3/4"
2	1	265038-03	SHAFT, 36" LG.
		265038-04	SHAFT, 39" LG.
3	2	261321	SPACER
4	4	267110-01	PINCH SHIELD, PLASTIC
5	8	902000-5	FLAT WASHER, #10
6	8	904002-2	RVET, 5/15" IDIA. X 0.565" LG.

MAIN ASSEMBLY-2



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	900009-5	CAP SCREW, 5/16"-18 X 1-1/4" LG, GRADE 8
2	2	900009-3	CAP SCREW, 5/16"-18 X 3/4" LG, GRADE 8
3	1	266755-01	HANDRAIL ASSEMBLY, LH
3A	1	904004-3	RIVET, 0.156" DIA X 0.550" LG
3B	1	905019	CAP
3C	1	905314-01	BUMPER
4	3	901001	LOCK NUT, 5/16"-18
5	7	902000-7	FLAT WASHER, 5/16"
6	2	906414-01	CABLE CLAMP
7	2	904004-3	RIVET, 0.156" DIA X 0.550" LG
8	2	902000-4	FLAT WASHER, #8
9	1	267115-01	VERTICAL ARM ASSEMBLY, LH (COMES WITH BEARINGS, SET SCREWS, & CABLE TIE HOLDERS)
9A	2	265017	SELF LUBE BEARING
9B	2	903004-1	SET SCREW, 3/8"-16 X 3/8" LG
10	3	904004-2	RIVET, 3/16" DIA. X.565" LG
11	1	266961-01	COVER, VERTICAL ARM - HANDRAIL
12	4	905005	RETAINING RING, 3/4"
13	1	266644-01	PIN
14	1	266960-02	GAS SPRING, 130 LBS PRESSURE
15	1	900062-1	SHOULDER SCREW, 5/16" DIA. X 1/4" LG.
16	2	901016-2	LOCK NUT, 1/4", THIN HEAD
17	2	901006	LOCK NUT, #8-32
18	1	902000-2	FLAT WASHER, 1/4"
19	1	900062-4	SHOULDER SCREW, 5/16" DIA. X 5/8" LG.
20	1	905009-01	SPACER, NYLON, 1/4"
21	1	902000-8	FLAT WASHER, 5/16"
22	1	266616-01	BRACKET KNUCKLE SUPPORT
23	2	901002	LOCK NUT, 3/8"-16
24	2	266596-01	SPACER
25	2	902013-11	FLAT WASHER, 3/8"
26	2	900014-4	CAP SCREW, 3/8"-16 X 1" LG, GRADE 8
27	1	266626-01	ROLLER
28	1	265036	PIN, 2-3/8" LG.
29	1	266609-01	UPPER ARM ASSEMBLY (BEARINGS INCLUDED)
29A	4	265072	SELF LUBE BEARING
29B	1	901005	HEX NUT, 5/16"-18, GRADE 8
29C	1	903006-1	SET SCREW, 5/16"-18 X 1" LG
30	1	266641-01	PIN, UPPER ARM
31	1	901011-3	HEX NUT, 5/16"-18
32	1	266851-01	SEAT BELT ASSEMBLY
33	4	902004-02	FENDER FLAT WASHER, 11/32"
34	4	900001-11	BUTTON SCREW, 5/16"-18 X 5/8" LG.
35	1	266641-02	PIN, LOWER ARM-TOWER
36	1	266642-02	PIN, UPPER ARM-TOWER
37	1	903002-7	SET SCREW, 1/4"-20 X 3/8" LG.
38	1	903002-1	SET SCREW 1/4"-20 X 1/2" LG.
39	1	266642-01	PIN, LOWER ARM-VERTICAL ARM
40	1	266611-01	LOWER ARM ASSEMBLY LH (BEARINGS INCLUDED)
40A	4	265072	SELF LUBE BEARING
41	2	900023-11	PAN HEAD SCREW, #8-32 X 2" LG.
42	2	265072	SELF LUBE BEARING

LH PLATFORM CLOSER ARM



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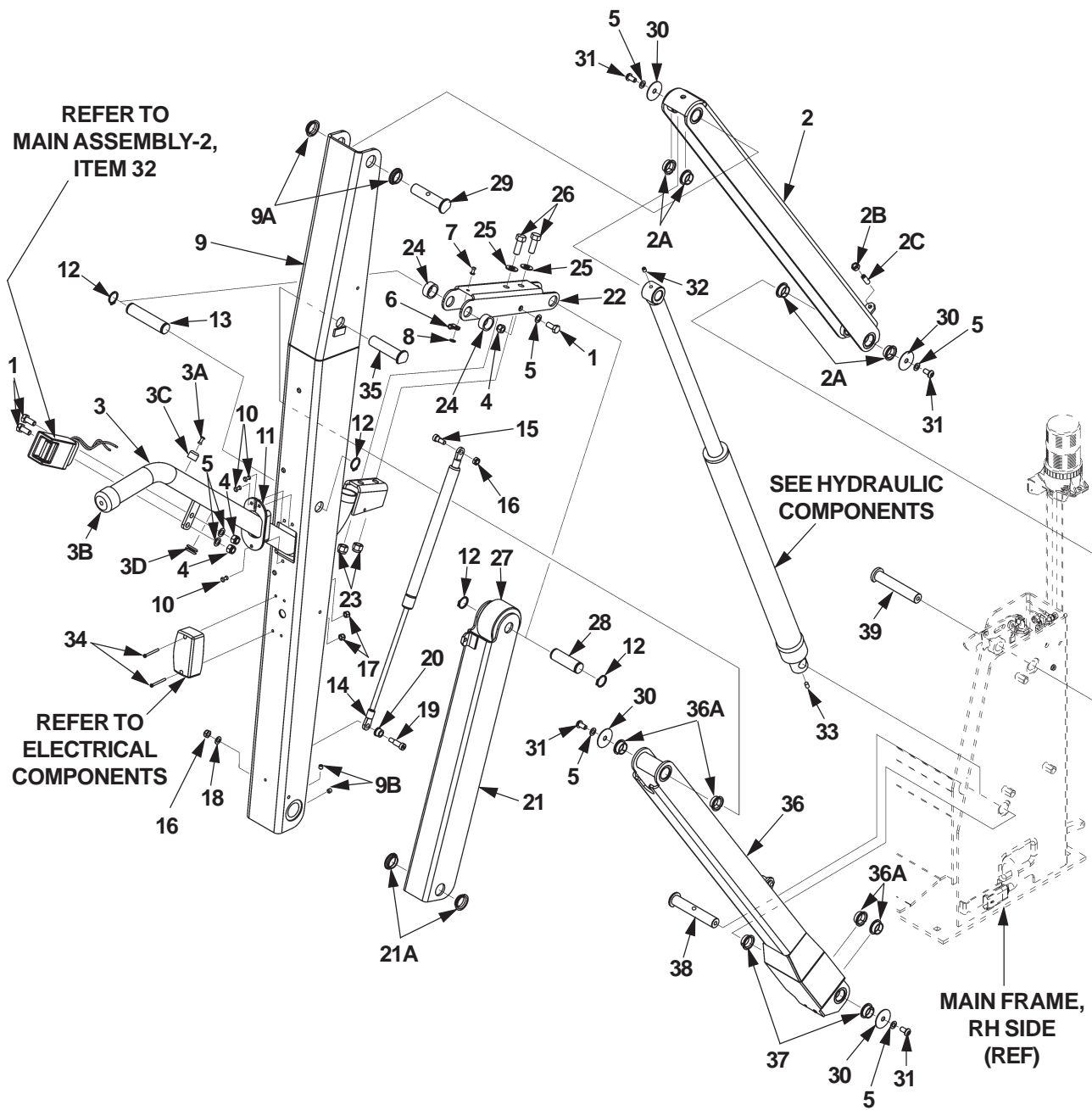
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ITEM	QTY.	PART NO.	DESCRIPTION
1	1	266621-01	ARM WELDMENT
2	2	265017	SELF LUBE BEARING
3	1	904701-02	SELF LOCKING PIN
4	1	266901-01	ACTUATOR ASSEMBLY
5	1	904004-3	RVET
6	1	902000-4	FLAT WASHER, #8
7	1	906414-01	CABLE CLAMP, PLASTIC
8	1	900009-2	CAP SCREW, 5/16"-18 X 1" LG, GRADE 8
9	1	902000-7	FLAT WASHER, 5/16"
10	1	266545-02	BEARING
11	2	903409-05	FLAT WASHER, 1/2" X 1-1/4" O.D.
12	1	900005-6	BUTTON SCREW, 1/4"-20 X 1-1/2" LG.
13	1	901000	LOCK NUT, 1/4"-20
14	1	266545-03	BEARING
15	1	902013-09	FLAT WASHER, 1/4"
16	1	266230-01	FLANGED ROLLER
17	1	900060-6	SHOULDER SCREW 1/4" DIA. X 1" LG.
18	1	266947-01	SLIDER

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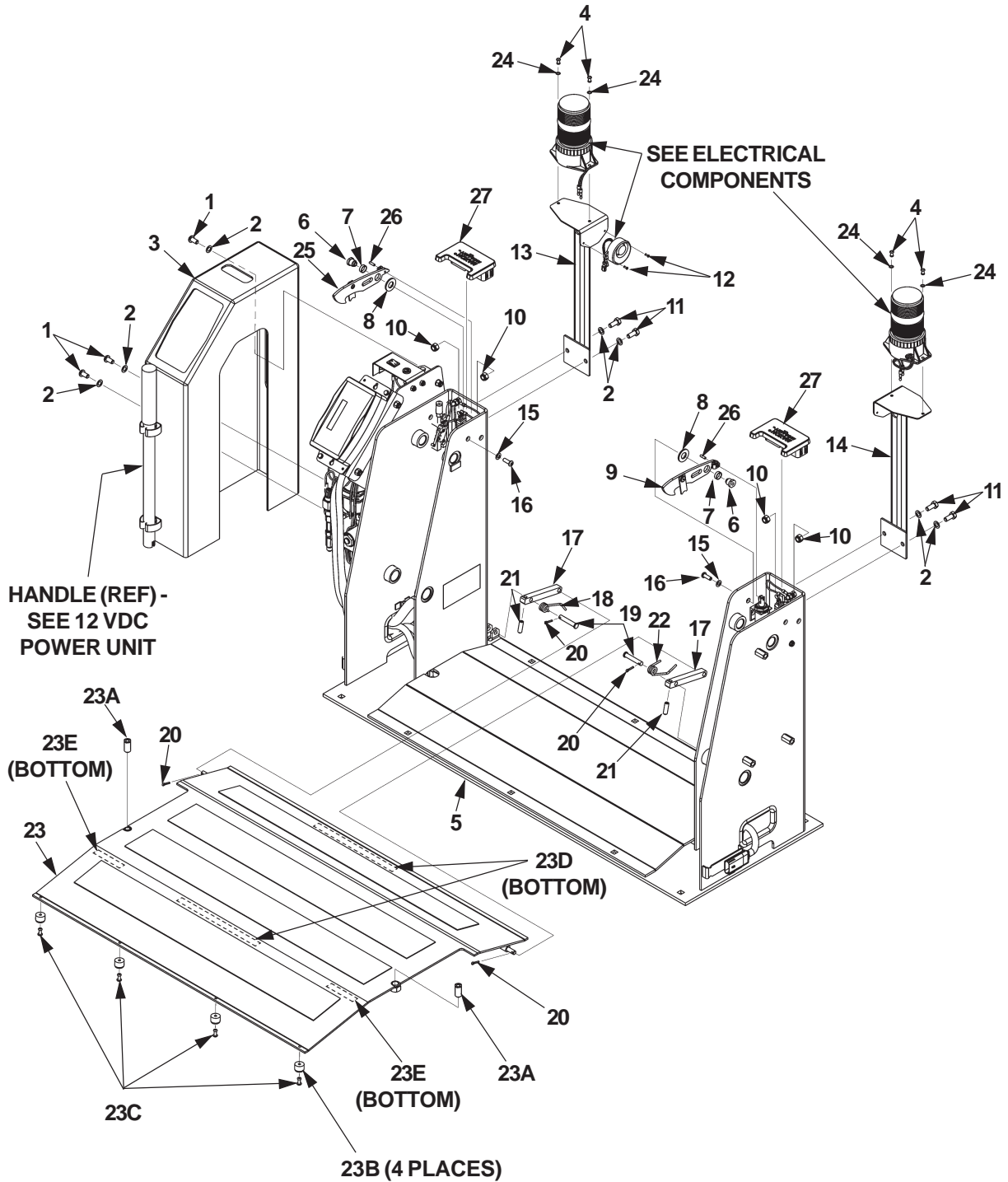
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MAIN ASSEMBLY-3



ITEM	QTY.	PART NO.	DESCRIPTION
1	2	900009-3	CAP SCREW, 5/16"-18 X 3/4" LG, GRADE 8
2	1	266609-01	UPPER ARM ASSEMBLY (BEARINGS INCLUDED)
2A	4	265072	SELF LUBE BEARING
2B	1	901005	HEX NUT, 5/16"-18, GRADE 8
2C	1	903006-1	SET SCREW, 5/16"-18 X 1" LG.
3	1	266756-01	HANDRAIL ASSEMBLY RH
3A	1	904004-3	RIVET, .0156" DIA. X 0.550" LG
3B	1	905019	CAP
3C	1	905314-01	BUMPER
3D	1	262795	PLASTIC GUARD
4	3	901001	LOCK NUT, 5/16"-18
5	7	902000-7	FLAT WASHER, 5/16"
6	1	906414-01	CABLE CLAMP
7	1	904004-3	RIVET, .0156" DIA. X 0.550" LG
8	1	902000-4	FLAT WASHER, #8
9	1	267115-02	VERTICAL ARM ASSEMBLY, RH (COMES WITH BEARINGS, SET SCREWS, & CABLE TIE HOLDERS)
9A	2	265017	SELF LUBE BEARING
9B	2	903004-1	SET SCREW, 3/8"-16 X 3/8" LG.
10	3	904004-2	RIVET, 3/16" DIA. X 0.565" LG
11	1	266961-01	COVER, VERTICAL ARM - HANDRAIL
12	4	905005	RETAINING RING, 3/4"
13	1	266644-01	PIN
14	1	266960-02	GAS SPRING, 130 LBS. PRESSURE
15	1	900062-1	SHOULDER SCREW, 5/16" DIA. X 1/4" LG.
16	2	901016-2	LOCK NUT, 1/4", THIN HEAD
17	2	901006	LOCK NUT, #8-32
18	1	902000-2	FLAT WASHER, 1/4"
19	1	900062-4	SHOULDER SCREW, 5/16" DIA. X 5/8" LG.
20	1	905009-01	SPACER, NYLON, 1/4"
21	1	266625	ARM ASSEMBLY, PLATFORM CLOSER, RH
21A	2	265017	SELF LUBE BEARING
22	1	266616-01	BRACKET KNUCKLE SUPPORT
23	2	901002	LOCK NUT, 3/8"-16
24	2	266596-01	SPACER
25	2	902013-11	FLAT WASHER, 3/8"
26	2	900014-4	CAP SCREW, 3/8"-16 X 1" LG, GRADE 8
27	1	266626-01	ROLLER
28	1	265036	PIN, 2-3/8" LG.
29	1	266641-01	PIN, UPPER ARM
30	4	902004-2	FENDER FLAT WASHER, 11/32"
31	4	900001-11	BUTTON SCREW, 5/16"-18 X 5/8" LG.
32	1	903002-7	SET SCREW, 1/4"-20 X 3/8" LG.
33	1	903002-1	SET SCREW, 1/4"-20 X 1/2" LG.
34	2	900023-11	PAN HEAD SCREW, #8-32 X 2" LG.
35	1	266642-01	PIN, LOWER ARM-VERTICAL ARM
36	1	266611-02	LOWER ARM ASSEMBLY, RH
36A	4	265072	SELF LUBE BEARING
37	2	265072	SELF LUBE BEARING
38	1	266641-02	PIN, LOWER ARM-TOWER
39	1	266642-02	PIN, UPPER ARM-TOWER

MAIN ASSEMBLY-4

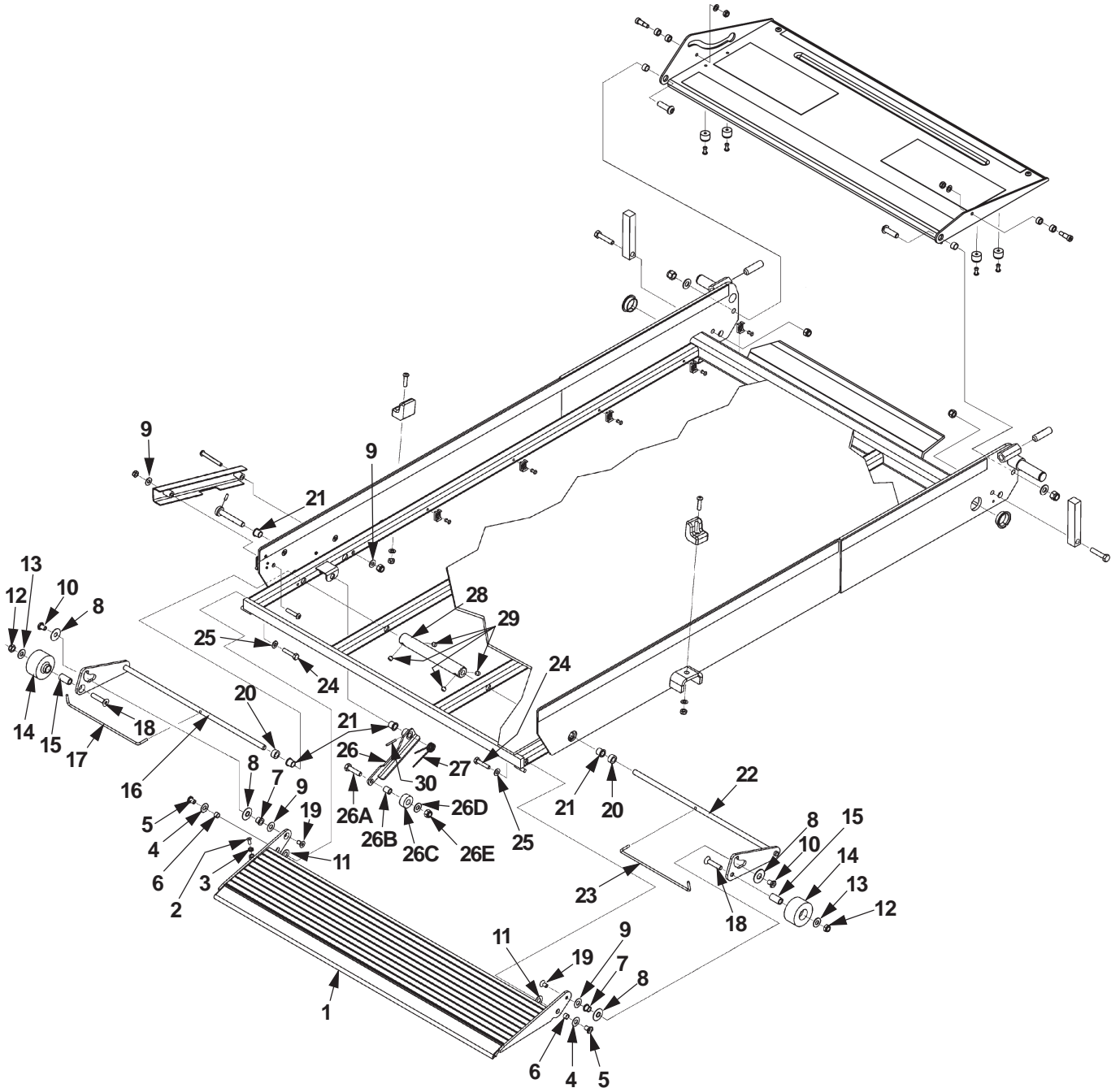


ITEM	QTY.	PART NO.	DESCRIPTION
1	3	900001-11	BUTTONHEAD SCREW, 5/16"-18 X 5/8" LG.
2	7	902000-7	FLAT WASHER, 5/16"
3	1	266827-01	COVER ASSEMBLY, LH
		266828-01	COVER ASSEMBLY, RH
4	4	904002-2	RIVET, 3/16" DIA. X 0.565" LG.
5	1	266605-01	MAIN FRAME (FOR 30" WIDE PLATFORM)
		266605-02	MAIN FRAME (FOR 33" WIDE PLATFORM)
6	2	266852-01	LATCH SUPPORT PIN
7	2	908027-01	SLEEVE BEARING, 1/2" I.D.
8	2	902013-13	FLAT WASHER, 1/2"
9	1	266569-02	LATCH ASSEMBLY, RH
10	4	901001	LOCK NUT, 5/16"-18
11	4	900009-3	HEX BOLT 5/16"-18 X 3/4" LG, GRADE 8
12	2	904000-1	RIVET, BLIND, 1/8" DIA. X 0.390" LG
13	1	266822-01	LIGHT MOUNT BRACKET, LH
14	1	266822-02	LIGHT MOUNT BRACKET, RH
15	2	902000-2	FLAT WASHER, 1/2"
16	2	900005-3	BUTTON SCREW, 1/4"-20 X 3/4" LG.
17	2	266871-01	LINK
18	1	266932-01	SPRING, THRESHHOLD PLATE, LH
19	2	905211-2	CLEVIS PIN, 5/16" DIA. X 11/16" LG.
20	2	904704-01	COTTER PIN, 1/8" DIA. X 1/2" LG.
21	2	903006-1	SET SCREW 5/16"-18 X 1" LG.
22	1	266932-02	SPRING, THRESHHOLD PLATE, RH
23	1	266606-01	THRESHHOLD PLATE, 30"
		266606-02	THRESHHOLD PLATE, 33"
23A	2	267349-01	SET SCREW, 1/2"-20 X 1" LG. (WITH VIBRA-TITE)
23B	4	905314-01	BUMPER WITH WASHER
23C	4	904004-3	RIVET, 0.156" DIA. X 0.550" LG.
23D	2	096011-10	RUBBER SEAL, ADHES. BACK, 10" LG. (30" WIDE PLATFORM)
		096011-11	RUBBER SEAL, ADHES. BACK, 13" LG. (33" WIDE PLATFORM)
23E	2	096011-12	RUBBER SEAL, ADHES. BACK, 4" LG.
24	4	902000-5	FLAT WASHER, #10
25	1	266569-01	LATCH ASSEMBLY, LH
26	2	905128-03	ROLL PIN, 1/8" DIA. X 1/2" LG.
27	2	267210-01	TOWER COVER

PLATFORM ASSEMBLY

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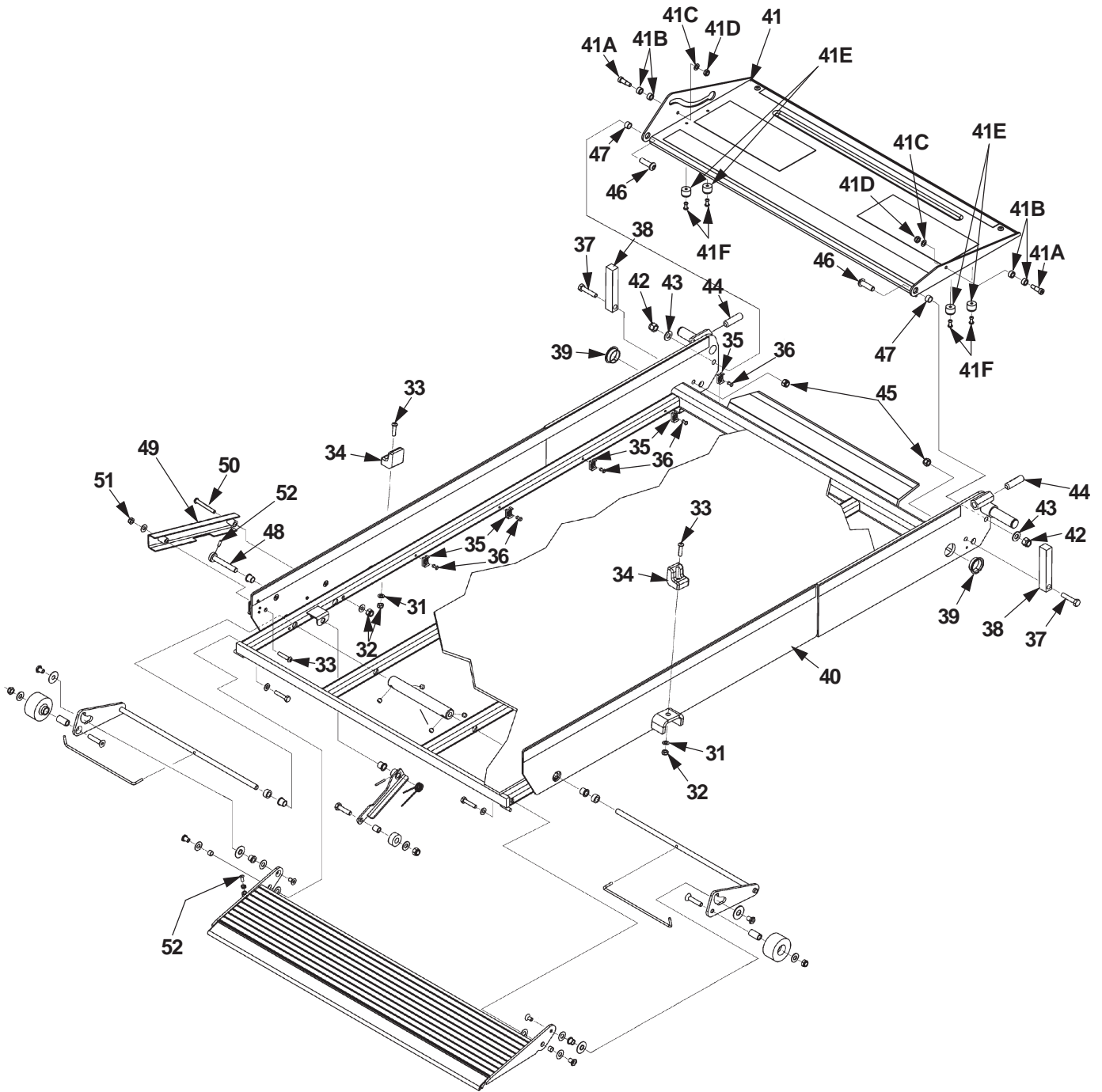


ITEM	QTY.	PART NO.	DESCRIPTION
1	1	266714-01	OUTROLL RAMP, 30"
		266714-02	OUTROLL RAMP, 33"
2	1	900023-4	SCREW, PAN HD, 8-32 X 1/2" LG. (STAINLESS)
3	1	903107-01	HEX NUT, 8-32
4	2	903402-02	FLAT WASHER, 3/4", NYLON
5	2	266719-02	SWIVEL NUT, THIN HEX, 1/2"
6	2	266545-04	BEARING
7	2	266893-02	ROLLER FLANGED
8	4	903409-04	FLAT WASHER, 1/2", 1-1/8" O.D. (STAINLESS)
9	4	903409-01	FLAT WASHER, 9/32", 1" O.D. (STAINLESS)
10	2	266719-01	SWIVEL NUT, 1/2"
11	2	261314	NYLON WASHER WITH CHAIR
12	2	901016-3	LOCK NUT, THIN HEAD, 5/16"-18
13	2	903409-02	FLAT WASHER, 11/32", 3/4" O.D. (STAINLESS)
14	2	266717-01	ROLLER
15	2	092020-10	ROLLER BUSHING
16	1	266712-01	LOCKING BRACKET, LH
17	1	265063-02	TORSION SPRING LH
18	2	900712-01	SOCKET SCREW 5/16"-18 X 1-1/2" LG (STAINLESS)
19	2	900711-01	SOCKET SCREW 1/4"-20 X 1/2" LG. (STAINLESS)
20	2	905016-03	NYLON SPACER, 0.39" I.D., 5/8" LG.
21	4	265057	BUSHING, STOP ACTUATOR
22	1	266712-02	LOCKING BRACKET, RH
23	1	265063-01	TORSION SPRING, RH
24	2	901603-07	HEX BOLT 1/4"-20 X 1-1/4" LG. (STAINLESS)
25	2	903412-01	FLAT WASHER, 1/4" (STAINLESS)
26	1	267107-01	BRACKET ASSEMBLY, 3" LIMIT SWITCH
26A	1	901602-07	HEX BOLT 5/16"-18 X 1-1/4" LG. (STAINLESS)
26B	1	908036-01	BEARING, SLEEVE
26C	1	266813-01	ROLLER, LIMIT BRACKET
26D	1	903409-02	FLAT WASHER, 11/32", 3/4" O.D. (STAINLESS)
26E	1	903106-10	HEX NUT, NYLON INSERT, 5/16"-18 (STAINLESS)
27	1	267104-01	SPRING, 3" LIMIT SWITCH
28	1	266311-01	COLLAR STOP ACTUATOR
29	4	901200-01	SET SCREW, 5/16"-24 X 5/16 LG. (CONE TIP)
30	1	905128-02	ROLL PIN, 1/8" X 3/4" LG.

PLATFORM ASSEMBLY - Continued

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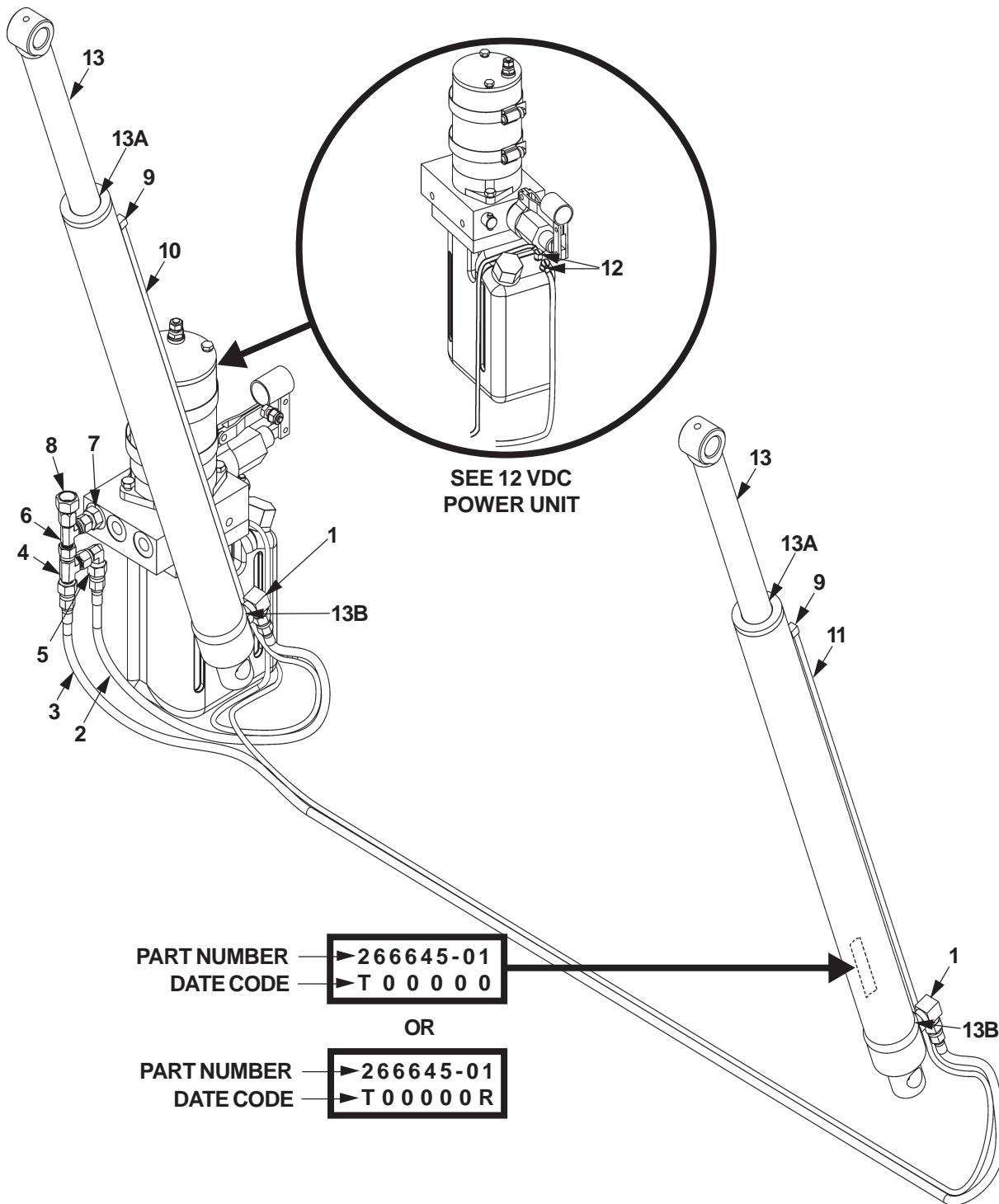


ITEM	QTY.	PART NO.	DESCRIPTION
31	2	902013-09	FLAT WASHER, 1/4"
32	3	901000	LOCK NUT, 1/4"-20
33	3	900005-5	BUTTON SCREW 1/4"-20 X 1-1/4" LG.
34	2	266623-01	PLATFORM STOP
35	5	905070-01	CABLE TIE HOLDER
36	5	904004-3	RIVET, 0156" DIA. X .550 LG.
37	2	900009-6	CAP SCREW, 5/16"-18 X 1-1/2" LG, GRADE 8
38	2	266725-01	STRIKER, PLATFORM ADJUSTER
39	2	265062	SELF LUBE BEARING
40	1	266639-01	PLATFORM WELDMENT, 30" WIDE
		266639-02	PLATFORM WELDMENT, 33" WIDE
41	1	266635-01	INROLL RAMP, 30" WIDE
		266635-02	INROLL RAMP, 33" WIDE
41A	2	900062-3	SHOULDER SCREW, 5/16" X 1/2" LG.
41B	4	905009-01	NYLON SPACER, 1/4" LG.
41C	2	902000-2	FLAT WASHER, 1/4"
41D	2	901016-2	LOCK NUT, THIN, 1/4"-20
41E	4	905314	BUMPER, CYLINDRICAL (WITH WASHER)
41F	4	904004-3	RIVET, 0156" DIA. X .550 LG.
42	2	901002	NYLON NUT, 3/8"-16
43	2	902013-11	FLAT WASHER, 3/8"
44	2	903010-01	SET SCREW, SELF-LOCKING, 1/2"-13
45	2	901001	LOCK NUT, 5/16"-18
46	2	900064-06	BUTTONHEAD SCREW 3/8"-16 X 1-1/4" LG.
47	2	266893-03	BEARING, FLANGE
48	1	267103-01	PIN, 3" LIMIT SWITCH
49	1	267111-01	COVER WELDMENT
50	1	900005-10	BUTTON SCREW, 1/4"-20 X 2-1/2" LG.
51	1	901016-2	LOCK NUT, THIN, 1/4"-20
52	1	901203-05	SET SCREW, 8-32 X 1/2" (CUPPED TIP)

HYDRAULIC COMPONENTS

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ITEM	QTY.	PART NO.	DESCRIPTION
1	2	906718-01	ELBOW, 90° O-RING, SAE#6 - JIC#4 MALE
2	1	261351	HOSE ASSEMBLY, 27" LG. (1/8" I.D.)
3	1	261350	HOSE ASSEMBLY, 63" LG. (1/8" I.D.)
4	1	905026	TEE FITTING, JIC#4 M-M-F
5	1	905027	ELBOW FITTING, JIC#4 M-F
6	1	905250	TEE, SWIVEL BRANCH NUT, JIC 1/4"
7	1	450017	FITTING, STRAIGHT THREAD, O-RING, #6- JIC#4
8	1	905249	SWIVEL, 1/4" JIC-1/4" NP, FEMALE-
9	2	905024	ELBOW FITTING, MALE #10-32 - 1/4," BARB
10	1	224370-05	HOSE, PLASTIC, 52-1/2" LG. (1/8" I.D.)
11	1	224370-11	HOSE, PLASTIC, 87" LG. (1/8" I.D.)
12	2	906767-01	UNION ELBOW, 1/4" O.D. TUBE
13	2	266645-01	CYLINDER, 1-1/2" BORE X 19" STROKE (SEE NOTE 1)
13A	2	266645SK-01	SEAL KIT (SEE NOTE 2)
13B	2	906717-01	FLOW CONTROL VALVE (SEE NOTE 1)

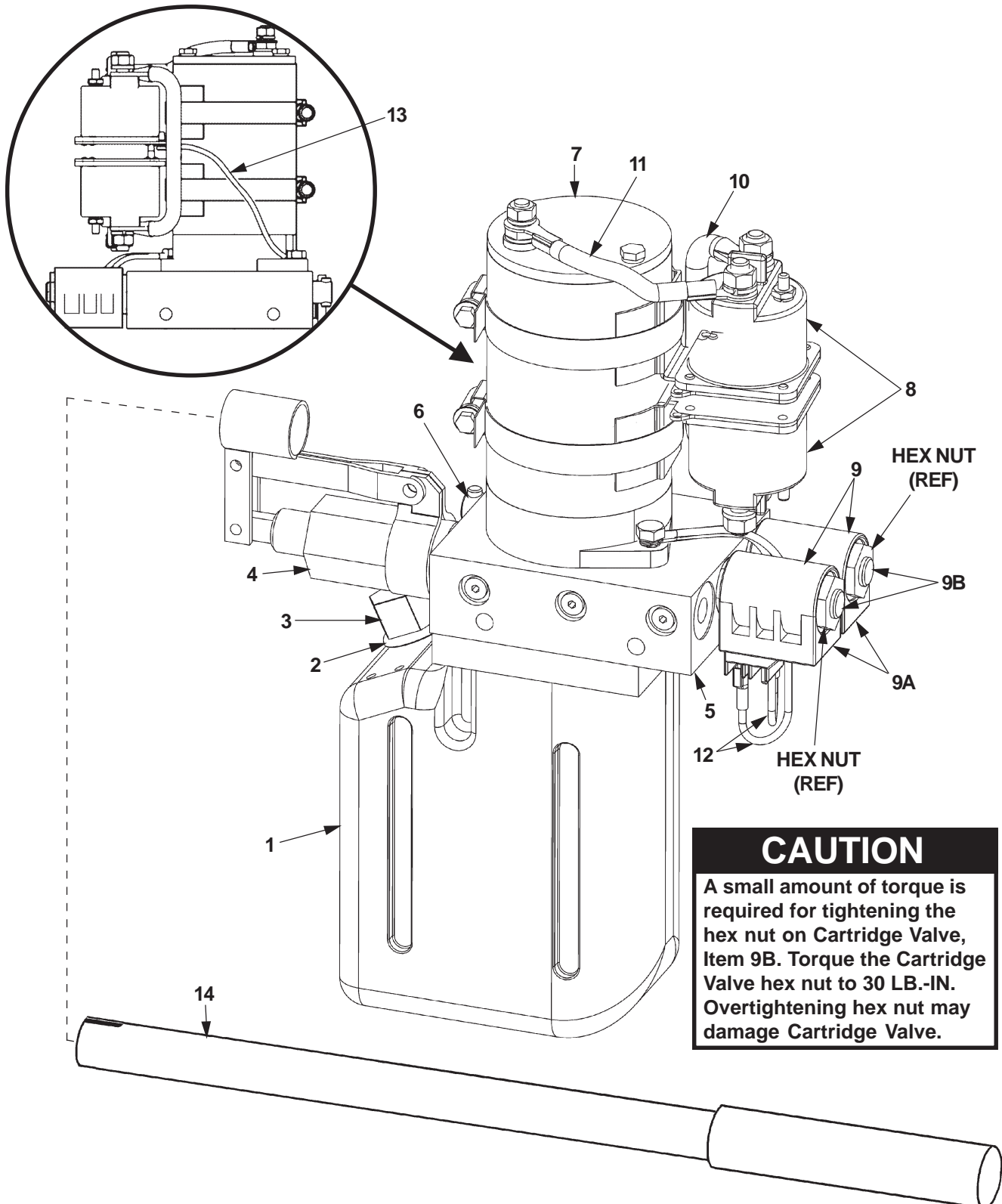
NOTE 1: For Lift to operate correctly, Cylinders must be matched. If one cylinder needs replacement, both must be replaced with a matched set. If a Flow Control Valve must be replaced, then a matched set is required to replace that valve in both cylinders.

NOTE 2: Lift may be equipped with Cylinders that have improved seals. The improved seals cannot be replaced. Check the **DATE CODE** on Cylinders to see if seal kits are available (see illustration). If the **DATE CODE** on your Cylinders is a number less than **T50601** and does not have an **R**, order the Seal Kit shown on parts list.

12 VDC POWER UNIT

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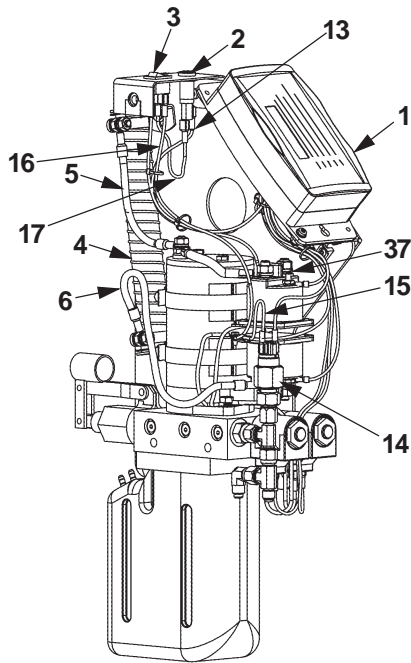
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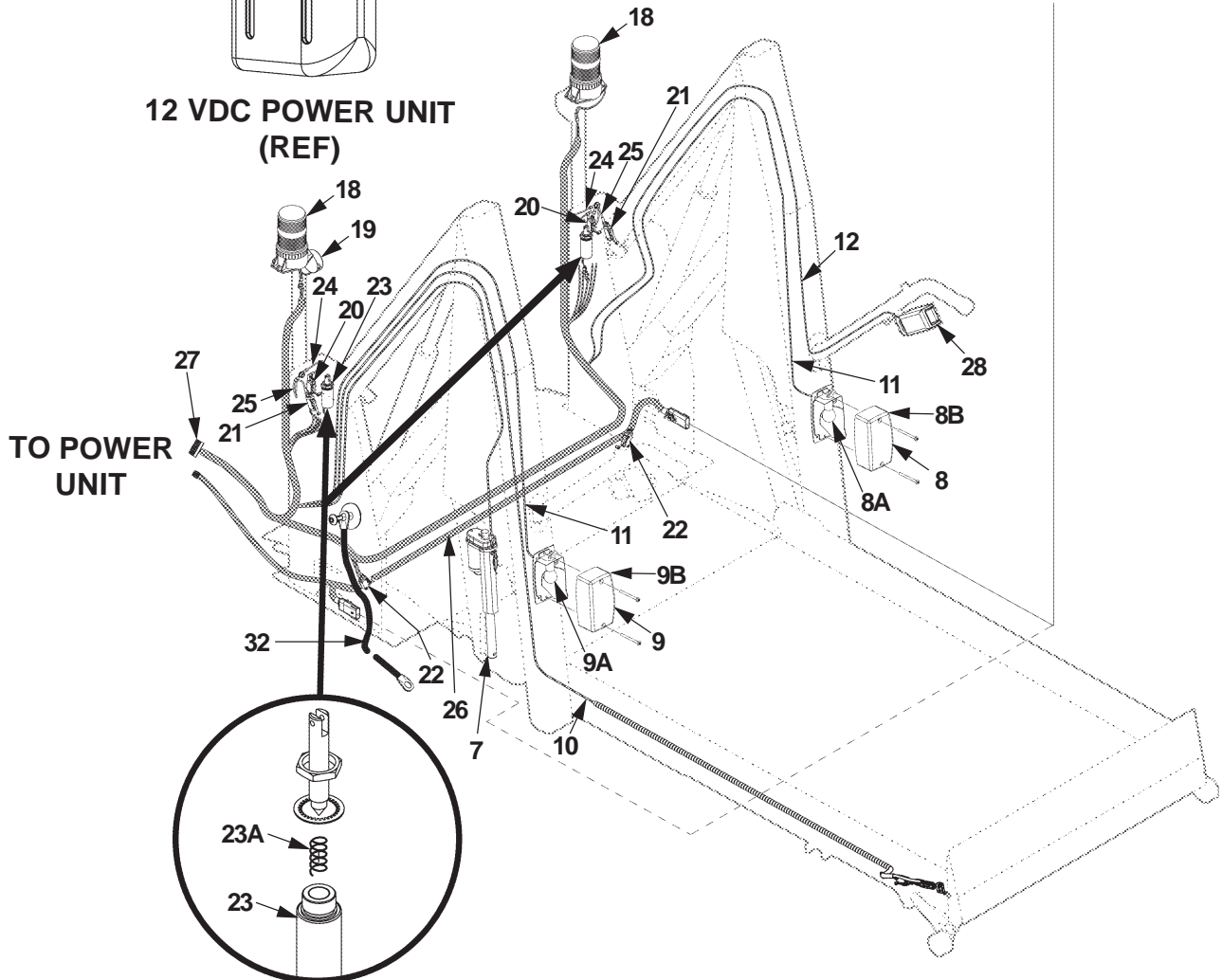
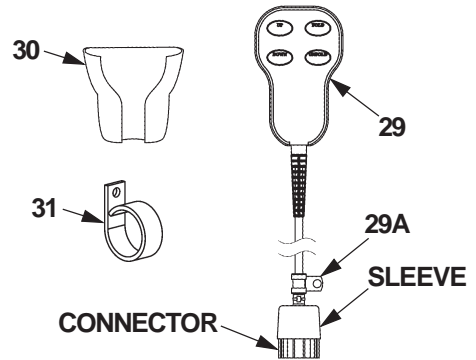
ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	266950-01	PUMP ASSEMBLY, WL7
1	1	265117-02	RESERVOIR, 2 QT.
2	1	266971-01	GROMMET
3	1	266970-01	FILLER/BREATHER (CAP)
4	1	265116	HAND PUMP
5	1	265119	PUMP BLOCK
6	1	265131	MANUAL LOWERING VALVE
7	1	265118	MOTOR, 12 VDC, 1 TERMINAL
8	2	265115-01	SOLENOID SWITCH, 12VDC (3-POST)
9	2	265125	SOLENOID VALVE, 12VDC (2-POLE)
9A	1	290064	COIL, 10VDC
9B	1	-	CARTRIDGE VALVE (REFERENCE)
10	1	265122	CABLE ASSEMBLY
11	1	265124	CABLE ASSEMBLY
12	2	265134	WIRE ASSEMBLY
13	1	265132	WIRE ASSEMBLY
14	1	261249	PUMP HANDLE

ELECTRICAL COMPONENTS

NOTE: Before disconnecting or connecting Hand Control, roll back sleeve from connector to gain access to connector lock.



**12 VDC POWER UNIT
(REF)**



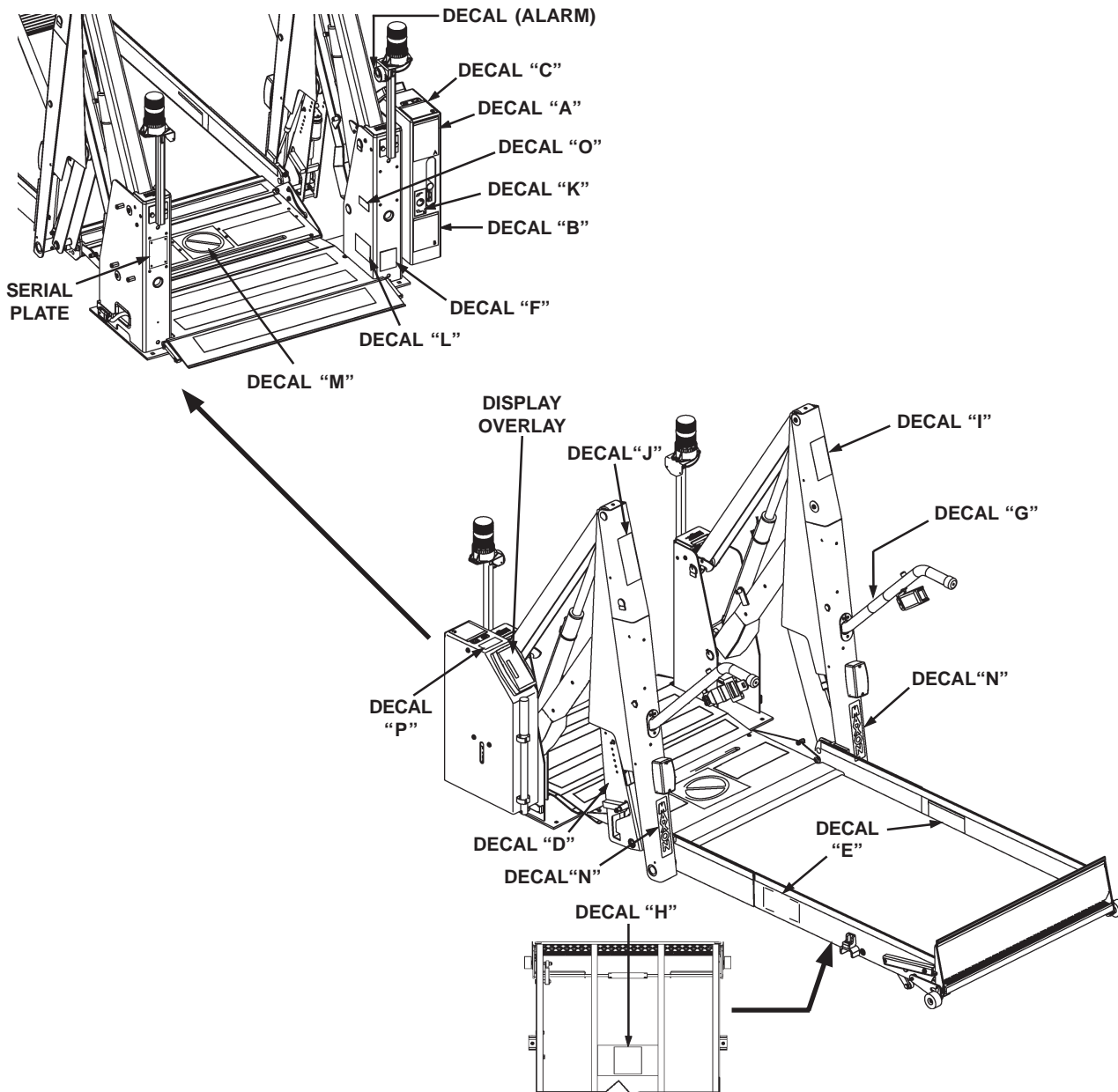
TUBULAR SOLENOID

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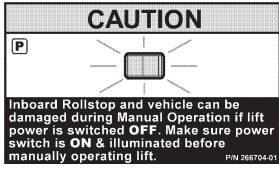
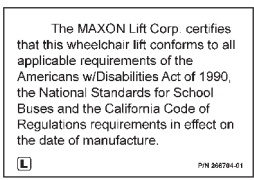
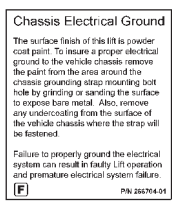
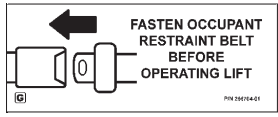
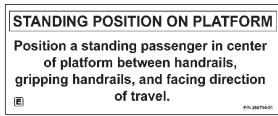
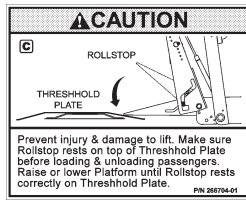
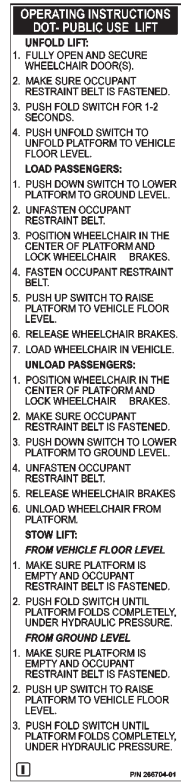
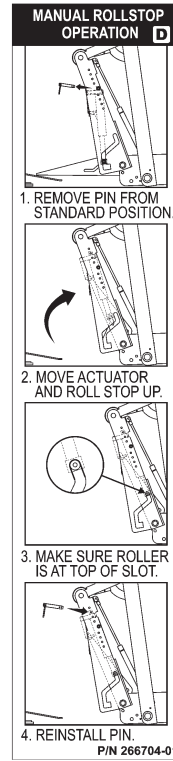
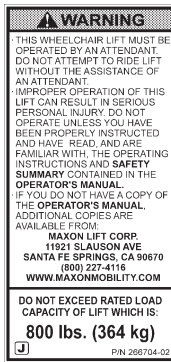
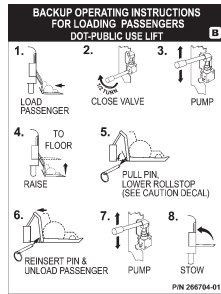
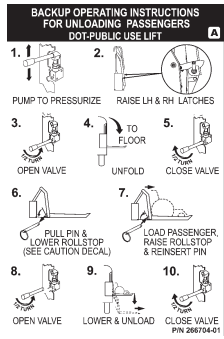
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	266630-01	CONTROLLER ASSEMBLY
2	1	906462-01	FUSE WITH FUSE HOLDER
3	1	906441-02	ROCKER SWITCH
4	1	265121	RESISTOR 300 WATT
5	1	266895-01	WIRE ASSEMBLY
6	1	266896-01	WIRE ASSEMBLY
7	1	266901-01	ACTUATOR ASSEMBLY
8	1	267276-02	LAMP ASSEMBLY WITH HARDWARE, RIGHT
8A	1	906475-01	BULB (AUTOMOTIVE TYPE 1156)
8B	1	906476-01	LENS
9	1	267276-01	LAMP ASSEMBLY, WL7 PLATFORM, LEFT (WITH HARDWARE)
9A	1	906475-01	BULB, 1156
9B	1	906476-01	LENS
10	1	266897-01	CABLE ASSEMBLY
11	2	266899-01	CABLE ASSEMBLY
12	1	266929-01	SEATBELT HARNESS
13	1	266933-01	WIRE ASSEMBLY
14	1	906764-01	PRESSURE SWITCH
15	1	266956-01	WIRE ASSEMBLY
16	1	266957-01	WIRE ASSEMBLY
17	1	266958-01	WIRE ASSEMBLY
18	2	266921-01	STEADY BURN LAMP
19	1	266922-01	ELECTRIC SIREN
20	2	266881-01	WATERTIGHT SWITCH
21	2	906434-01	WATERTIGHT SWITCH
22	2	266881-02	WATERTIGHT SWITCH
23	2	266955-01	TUBULAR SOLENOID
23A	1	266562-01	SOLENOID SPRING
24	2	266926-01	WIRE ASSEMBLY
25	2	266924-01	WIRE ASSEMBLY
26	1	266925-01	EXTENSION HARNESS
27	1	266930-01	MAIN HARNESS
28	1	266851-01	SAFTY BELT ASSEMBLY
29	1	266904-02	HAND CONTROL
29A	1	906479-01	CLAMP
30	1	266728-01	HAND CONTROL BRACKET
31	1	267355-01	HOOK (CONTROL CABLE STORAGE)
32	1	251871-06	CABLE ASSEMBLY, 2 GA, 48" LG. (GROUNDING CABLE)

DECALS AND DECAL PLACEMENT



All **WARNING**, **CAUTION**, and **OPERATION** decals provided with Wheelchair Lift must always be in place on the Lift and Vehicle (**see FIG. 52-1**), and must always be legible. If decals are missing or illegible, get free replacement decals from:

MAXON Lift Corp. - Customer Service
11921 Slauson Ave., Santa Fe Springs, CA 90670
Phone: (800) 227-4116 FAX: (888) 771-7713
E-mail: cservice@maxonlift.com



DECAL SET P/N 266704-01
FIG. 55-1



DECAL-OVERLAY
P/N 266990-01

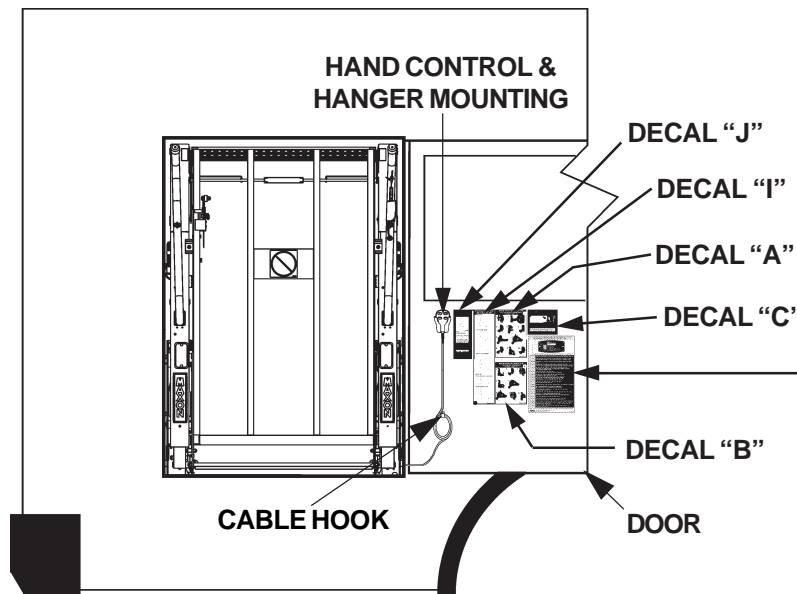


DECAL (ALARM)
P/N 266686-01



SERIAL PLATE
P/N 905246-8

DECALS AND DECAL PLACEMENT - Continued



TYPICAL PLACEMENT OF DECALS ON VEHICLE
FIG. 56-1

USE DISPLAY READINGS ON THE CONTROLLER TO HELP YOU OPERATE & TROUBLESHOOT THE WL7 LIFT.

CONTROLLER READINGS THAT INDICATE IF THE LIFT IS OPERABLE:

CHRG BAT.	BATTERY CHARGE IS TOO LOW TO OPERATE LIFT - IF REQUIRED, LIFT CAN BE RAISED & STOWED - BATTERY MUST BE CHARGED BEFORE OPERATING THE LIFT
FOLD.	LIFT STOPPED FOLDING BEFORE IT COULD PASS THE FOLD SWITCH - PRESS 'UNFOLD' SWITCH UNTIL LIFT REACHES FLOOR LEVEL, THEN PRESS 'FOLD'
FOLD SW.	FOLD SWITCH ACTIVATED AT INCORRECT TIME - DOES NOT MATCH POSITION OF LIFT
GRND SW.	GROUND SWITCH ACTIVATED AT INCORRECT TIME - DOES NOT MATCH POSITION OF LIFT - RAISE OUTBOARD END OF PLATFORM - IF READING DOESN'T CHANGE, RAISE & RELEASE GROUND SWITCH ROLLER ARM UNDER PLATFORM
HIGH V.	BATTERY VOLTAGE TOO HIGH - CHECK VEHICLE CHARGING SYSTEM - IF REQUIRED, LIFT CAN BE RAISED & STOWED ONLY - REPAIR CHARGING SYSTEM BEFORE OPERATING LIFT
INBRD RPT.	INBOARD ROLLSTOP IS NOT WORKING - IF POSSIBLE, OPERATE INBOARD ROLLSTOP MANUALLY
JAMMED	READING ONLY FOR LIFT EQUIPPED WITH PRESSURE SENSOR - HYDRAULIC SYSTEM PRESSURE IS TOO HIGH
LOCKED	LIFT CAN'T BE UNFOLDED - NO INTERLOCK SIGNAL FROM BUS OR HYDRAULIC SYSTEM PRESSURIZING FOR A SHORT TIME
LOCK ERR.	LIFT NOT STOWED - BUS IS SENDING INTERLOCK SIGNAL
LOWER SW.	LOWERING SWITCH ACTIVATED - TIMING IS INCORRECT - DOES NOT MATCH POSITION OF LIFT
LOW BAT.	CHARGE BATTERY ASAP - LIFT WILL OPERATE UNTIL "CHRG BATTERY" IS SHOWN
MAT ERR.	MAT SWITCH ACTIVATED - OCCUPANT ON THRESHOLD - MOVE OCCUPANT OFF THE THRESHOLD & INTO VEHICLE
OCCUPIED	OCCUPANT (50 LBS. OR MORE) ON PLATFORM - MOVE OCCUPANT OFF THE PLATFORM & INTO VEHICLE
OUTBD SW.	OUTBOARD ROLLSTOP MAY BE OPEN - IF POSSIBLE, PUSH ROLLSTOP CLOSED
PSI SEN.	ONLY FOR LIFT EQUIPPED WITH PRESSURE SENSOR - PRESSURE SENSOR SIGNAL IS TOO LOW OR TOO HIGH (OUT OF RANGE)
SEAT BLT.	SEAT BELT UNBUCKLED - BUCKLE TO OPERATE LIFT
STOWED	LIFT IS STOWED - NOT RECEIVING INTERLOCK SIGNAL FROM BUS - LIFT WILL ONLY OPERATE USING MANUAL BACKUP SYSTEM
STOW SW.	LIFT IS STOWED - INTERLOCK SIGNAL SENT TO BUS - LIFT IS READY TO OPERATE
STOW SW.	STOW SWITCH ACTIVATED WHEN LIFT IS NOT STOWED - TIMING IS INCORRECT - DOES NOT MATCH POSITION OF LIFT
UNFOLD.	LIFT DID NOT FINISH UNFOLDING. PRESS 'UNFOLD' SWITCH UNTIL LIFT REACHES FLOOR LEVEL.

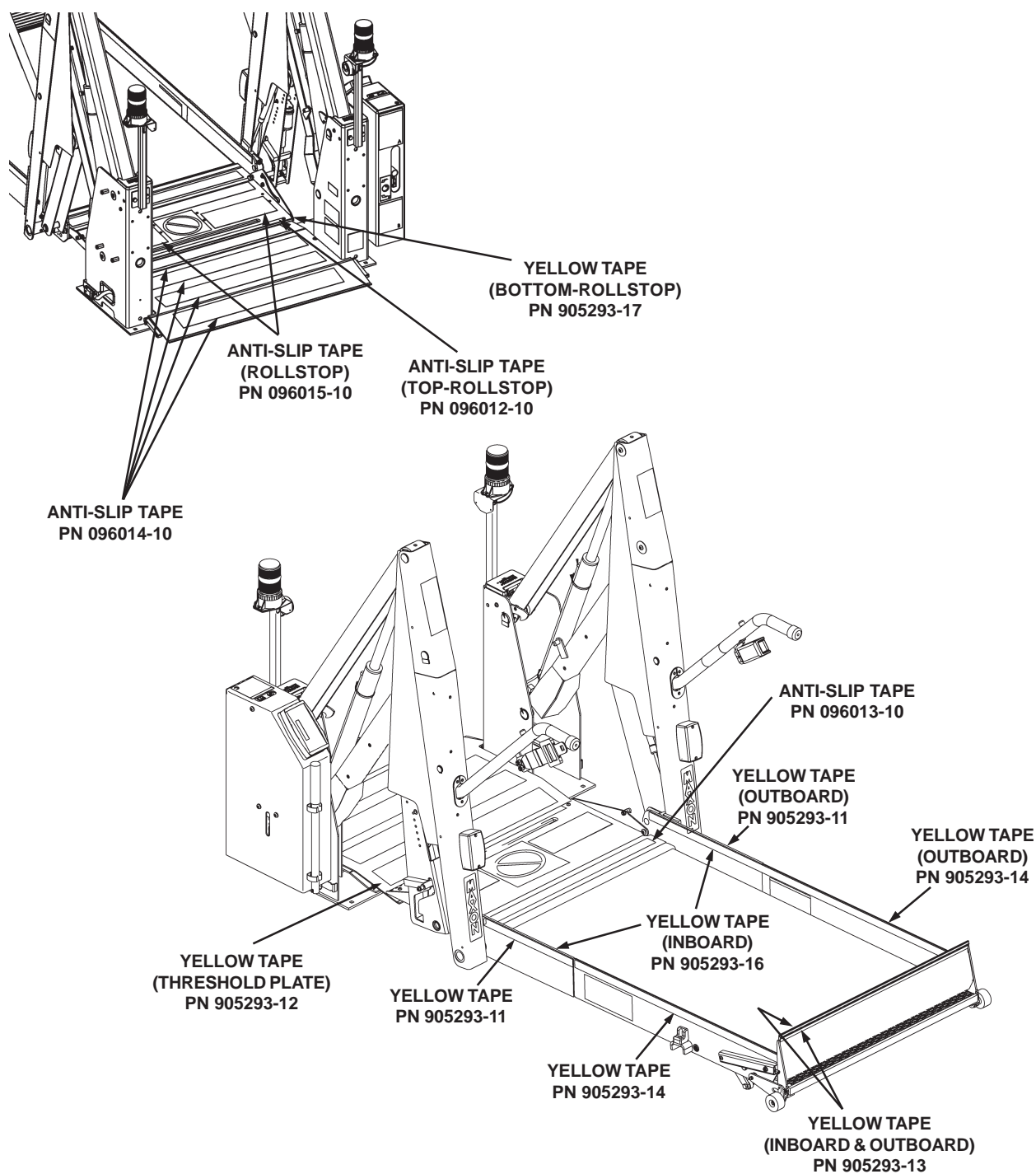
NOTE: IF LIFT WILL NOT OPERATE WITH THE HAND CONTROL, USE MANUAL BACKUP SYSTEM.

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DECAL
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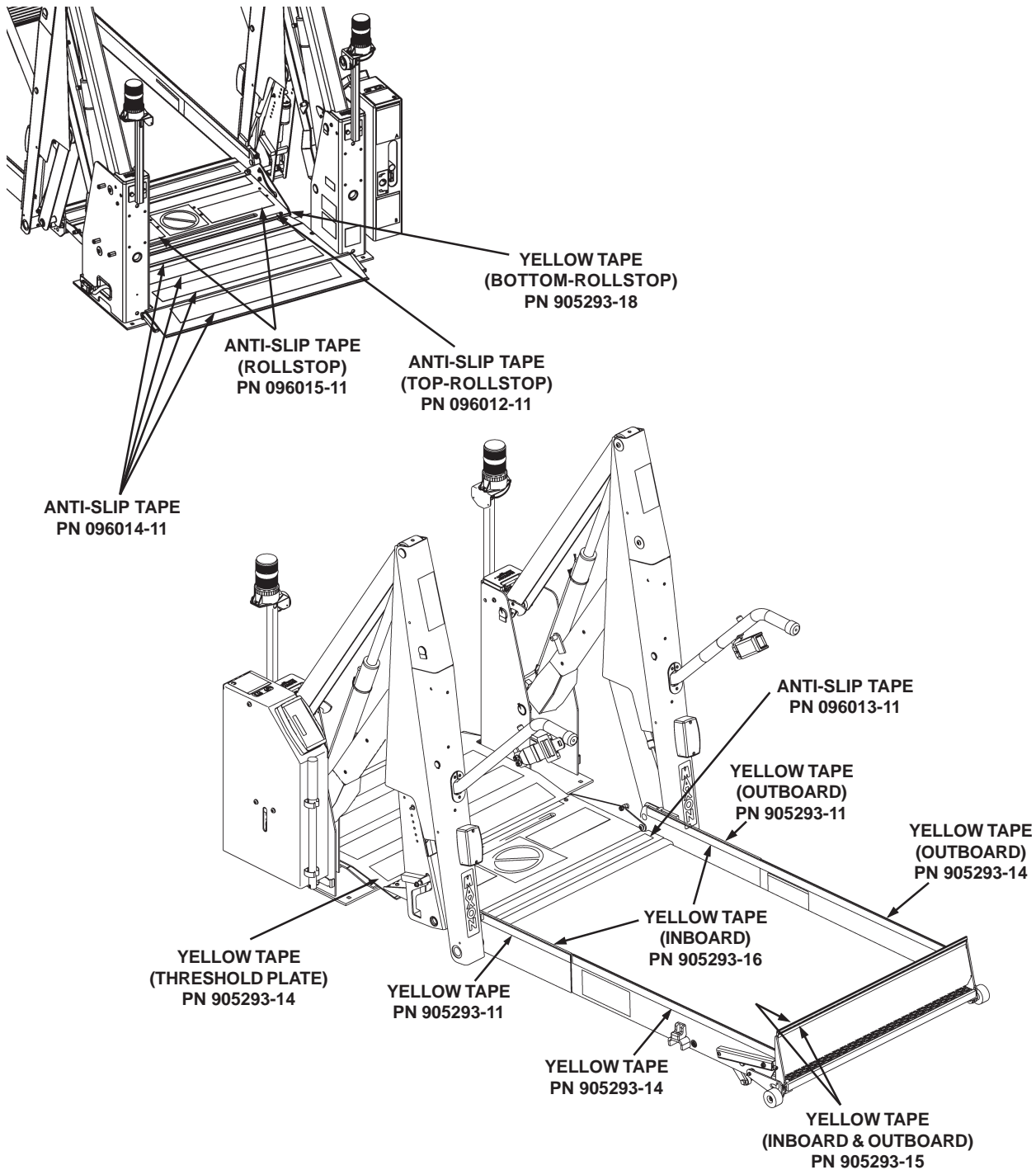
ANTI-SLIP & SAFETY STRIPING (30" WIDE PLATFORM)



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SYSTEM DIAGRAMS

HYDRAULIC SYSTEM DIAGRAM

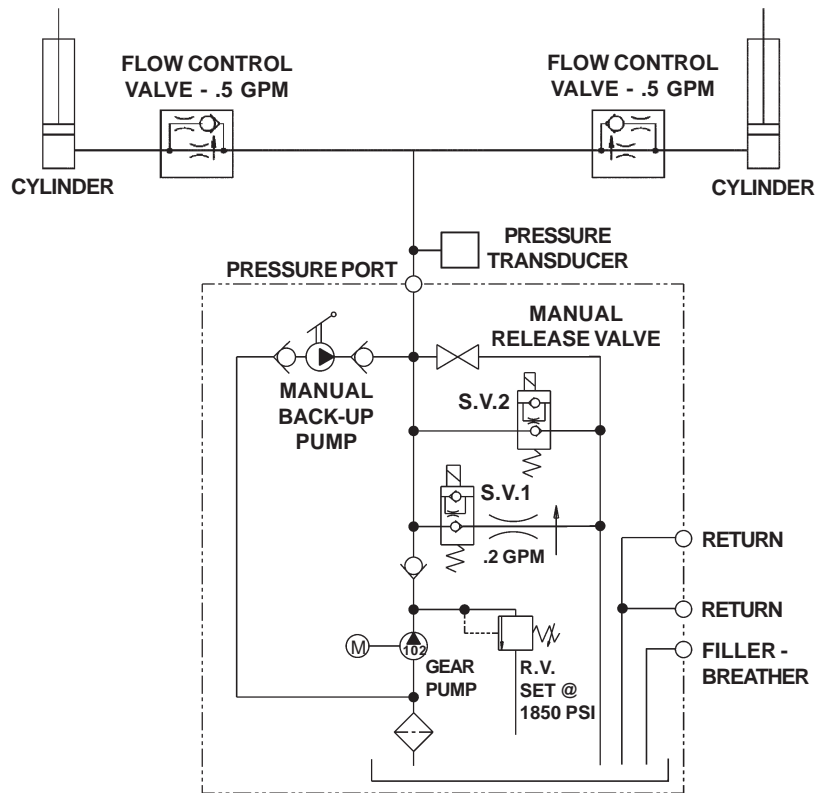


FIG. 59-1

ELECTRICAL SYSTEM DIAGRAM

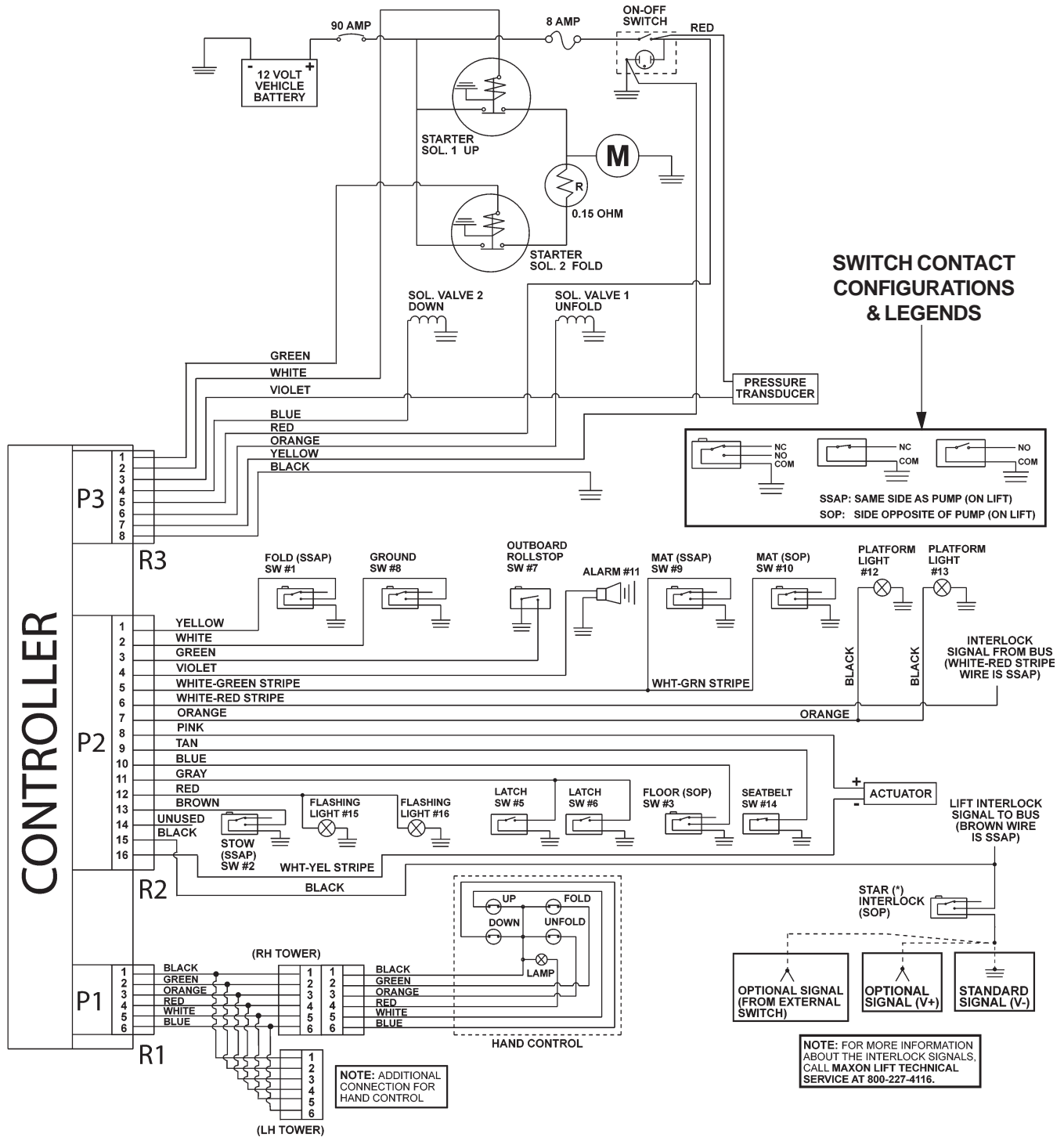


FIG. 60-1

