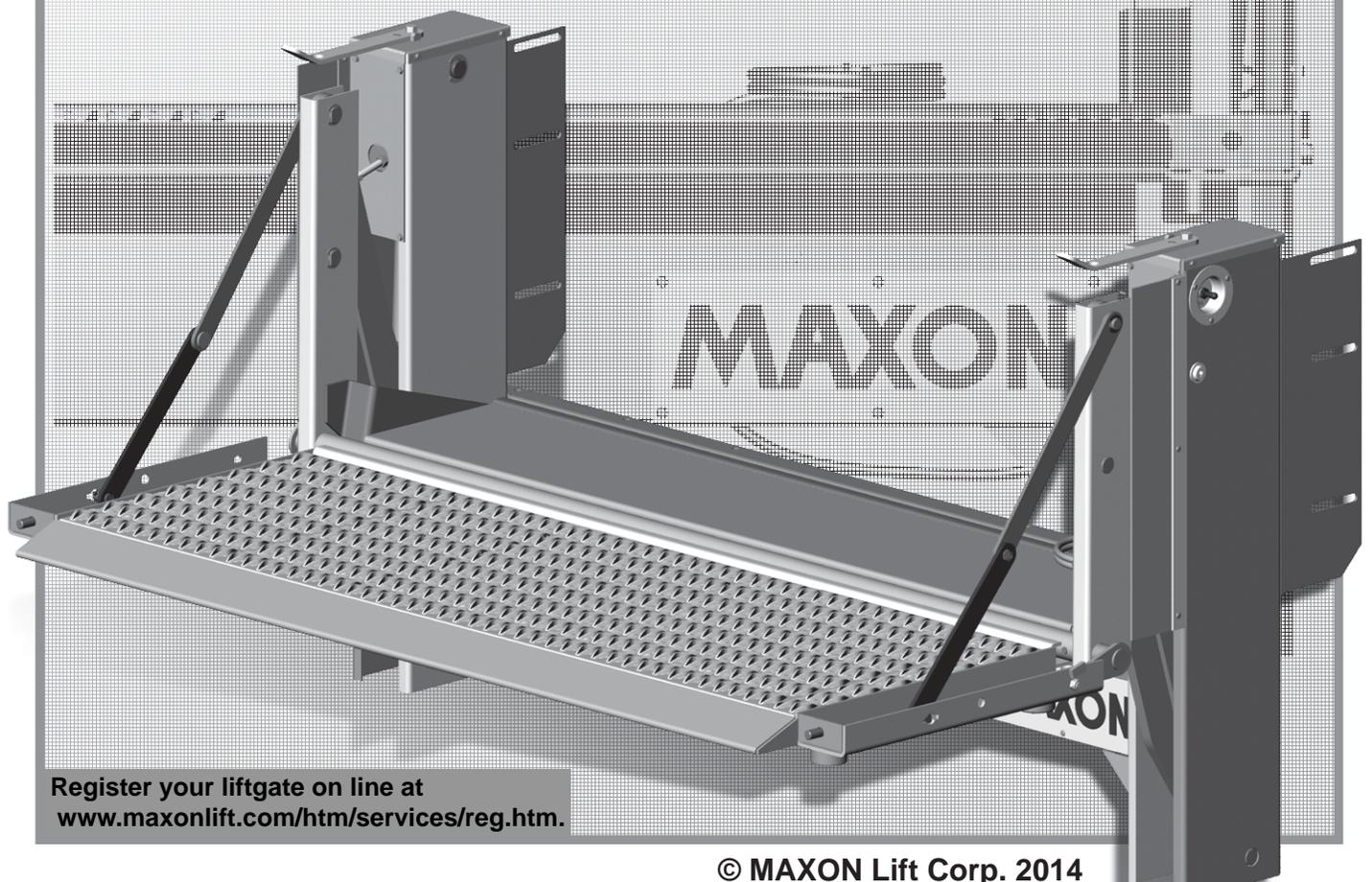


M-06-03
REV. C
AUGUST 2014

MAXON®

MIGHTY  **MAX**
CONVENTIONAL LIFT MM-1300

OPERATION & MAINTENANCE MANUAL



Register your liftgate on line at
www.maxonlift.com/htm/services/reg.htm.

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OPERATION

WARNING

1. Incorrect operation of this Liftgate can result in serious personal injury. Comply with WARNINGS and Liftgate operating instructions in this manual. Do not allow untrained persons to operate the Liftgate. If you need to replace an **Operation Manual**, additional copies are available from:

MAXON Lift Corp.
11921 Slauson Ave
Santa Fe Springs, CA 90670
(800) 227-4116

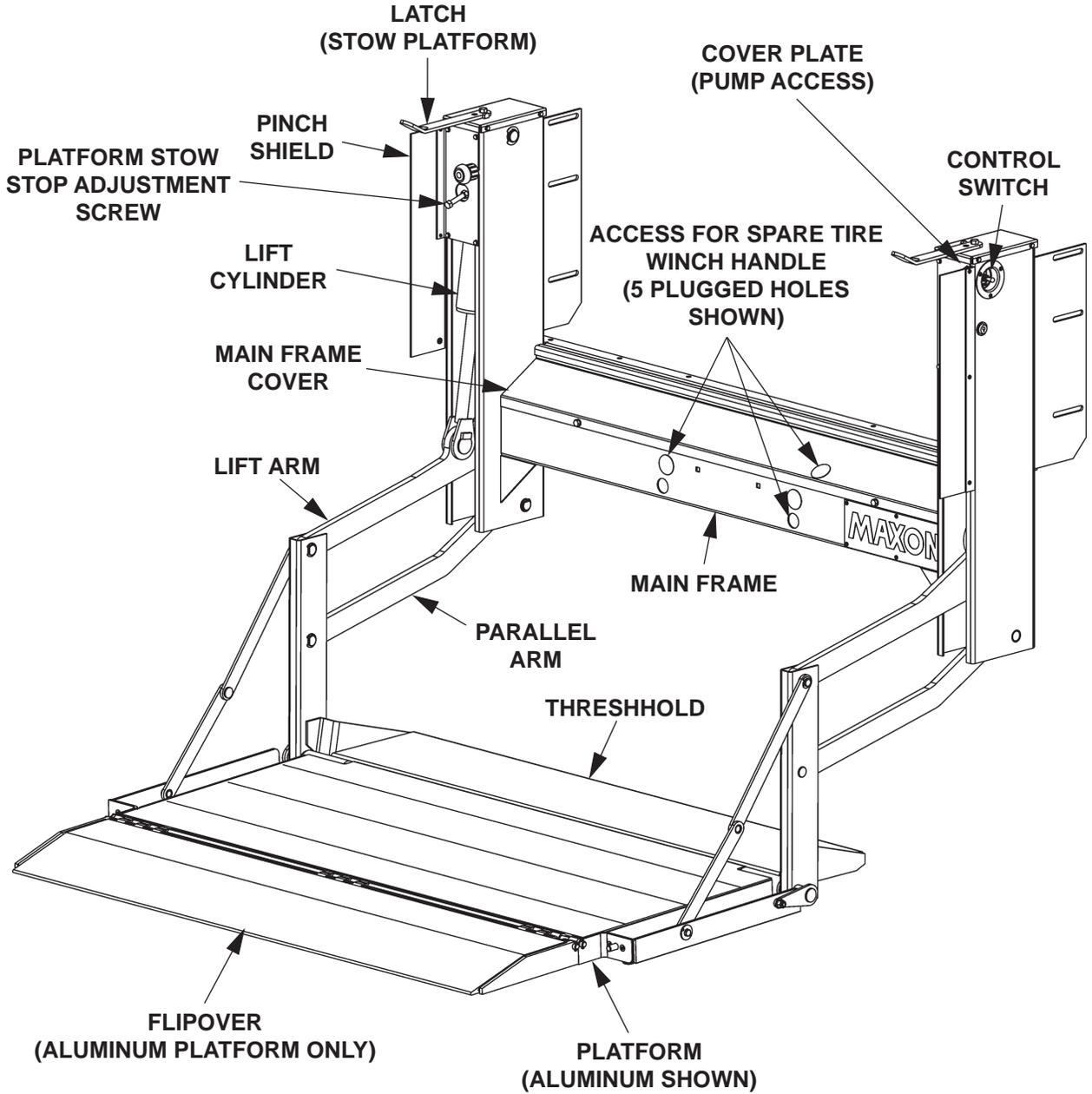
NOTE: For latest version Manuals (and replacements), download Manuals from Maxon's website at **www.maxonlift.com**.

2. Do not exceed rated load capacity of the Liftgates which is **1300 lbs. for model MM-1300**.
3. Do not allow any part of your body to be placed under, within, or around any portion of the moving Liftgate or its mechanisms, or in a position that would trap them between the platform and the floor of truck body (or between platform and the ground) when Liftgate is operated.
4. Consider the safety and location of bystanders and location of nearby objects when operating the Liftgate. Stand to one side of platform while operating the Liftgate. Be certain that the area the Liftgate will move through during operation is clear of all obstacles.
5. Comply with all attached instruction decals and warning decals.
6. Keep decals clean and legible. If decals are defaced or missing have them replaced. **Get free replacement decals from Maxon.**
7. **Never drive a forklift on the Liftgate Platform.**
8. Do not move vehicle unless Liftgate is correctly stowed.
9. **Correctly stow platform when not in use. Extended platforms could create a hazard for people and vehicles passing by.**
10. A correctly installed Liftgate will operate smoothly and reasonably quiet. The only noticeable noise, during Liftgate operation, is from the Pump Unit while the Platform is raised. Listen for scraping, grating and binding noises and have the problem corrected before continuing to operate the Liftgate.
11. Above all, **USE GOOD COMMON SENSE** when operating this Liftgate.
12. Never use a cell phone while operating the Liftgate.

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LIFTGATE TERMINOLOGY



RECOMMENDED DAILY OPERATION CHECKS

NOTE: Before you check the Liftgate, park Vehicle on flat ground and set the parking brake.

NOTE: If any of the following operation checks reveal a need to service or repair Liftgate, do not operate the Liftgate until a qualified mechanic services or repairs the Liftgate.

Before operating the Liftgate, the operator should do the following:

- Make sure vehicle battery is fully charged and battery terminal connections are clean and tight.
- Visually check that Pump Cover Plate is bolted on securely and undamaged. Look for Hydraulic Fluid leaking from the Pump Enclosure.
- Visually check that Control Switch is in place and undamaged
- Visually check that all decals are in place (see **DECALS** pages). Also make sure decals are readable, clean, and undamaged.
- Visually check that both Latches, for securing Platform in stowed position, are in place, undamaged, & securing Platform.

Use the operation instructions in this manual to lower the Liftgate to the ground.

- Check Main Frame, Lift Arms, and Parallel Arms for cracks and bends.
- Make sure Main Frame, Lift Arms, and Parallel Arms are clean (no oil, debris, or corrosion).
- Check the Hydraulic Cylinder for leaking seals and hose connections. Make sure hoses are not cracking, chafing, and leaking fluid.
- Check the Platform for cracks, holes, and bends on the load-carrying surface and Side Plates.
- Make sure Platform load-carrying surfaces are clean (no oil, debris, or corrosion).

Use the operation instructions in this manual to operate the Liftgate through one cycle without a load on the Platform. RAISE the Platform to Vehicle Bed Height. Then lower the Platform to ground level.

- When the Liftgate is moving, listen for unusual noises and look for jerking motion or uneven movement on either side of the Platform.

If service or repairs are not required (or if completed), use the Liftgate.

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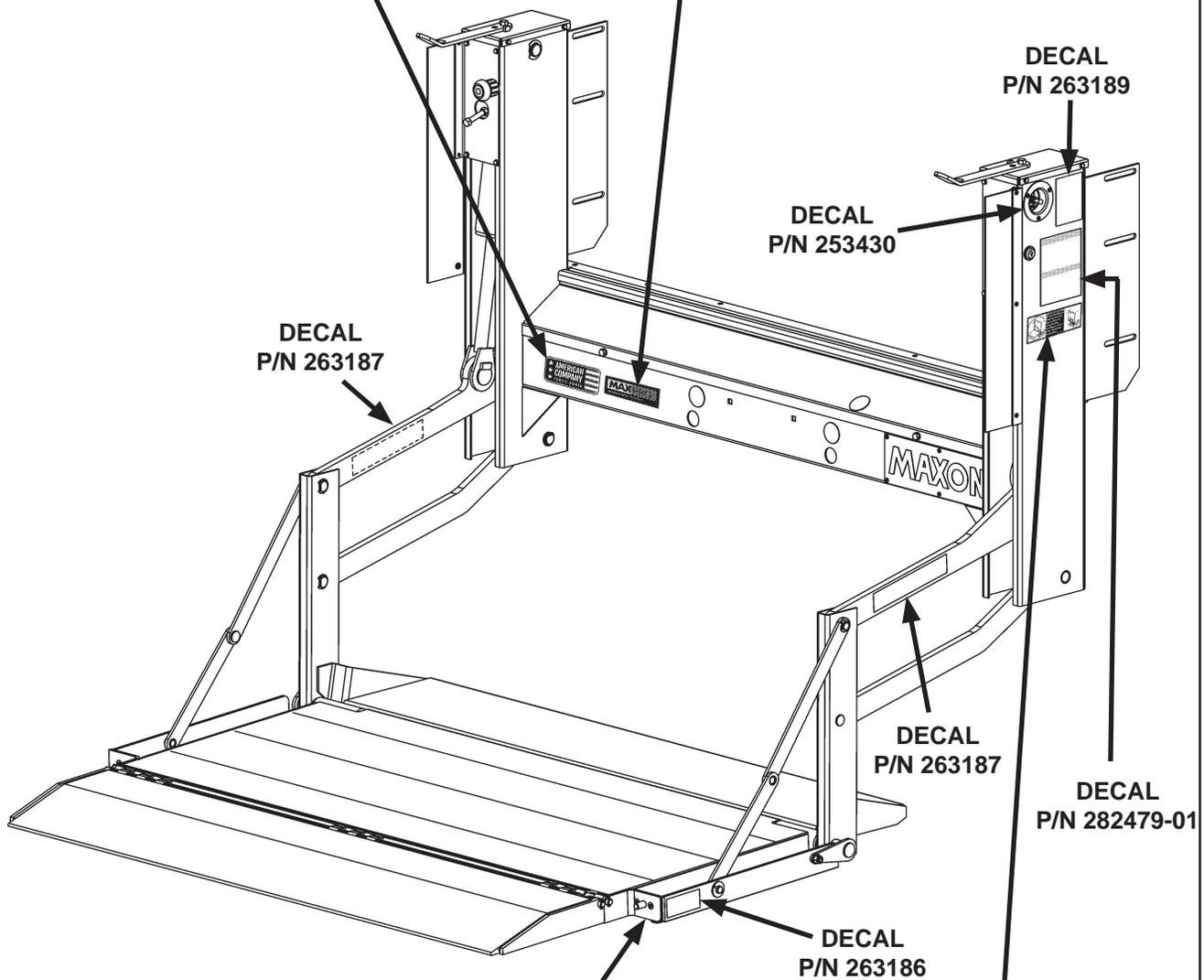
DECALS



FAMILY OWNED DECAL
P/N 283445-01



PAINT DECAL
P/N 267338-01



DECAL
P/N 263187

DECAL
P/N 263189

DECAL
P/N 253430

DECAL
P/N 263187

DECAL
P/N 282479-01

DECAL
P/N 263188

DECAL
P/N 263186



STOW WARNING DECAL
P/N 282847-03

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DECALS - Continued

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WARNING

Read this information carefully.

- Improper operation of this Liftgate can result in serious personal injury. If you do not have a copy of the operating instructions, please obtain them from your employer, distributor, or lessor before you attempt to operate Liftgate.
- If there are signs of improper maintenance, damage to vital parts, or slippery platform surface, do not use the Liftgate until these problems have been corrected.
- Do not operate a forklift on the platform.
- Do not allow any part of yours or your helper's body to be placed under, within, or around any portion of the moving Liftgate, or its mechanisms, or in a position that would trap them between the platform and the ground or truck when the Liftgate is operated.
- MAXON recommends that you do not ride on the platform. If you choose to ride the platform, make sure you are doing so safely and that you are not in danger of coming in contact with any moving or potentially moving obstacles. The operation manual shows where to stand if you ride on the platform.
- **USE GOOD COMMON SENSE**
- If load appears to be unsafe, do not lift or lower it.

For a free copy of other manuals that pertain to this model Liftgate, please visit our website at www.maxonlift.com or call Customer Service at (800) 227-4116.

SAFETY INSTRUCTIONS

Read all decals and operation manual before operating liftgate.

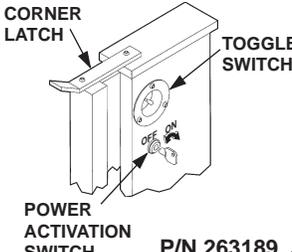
1. Do not use liftgate unless you have been properly instructed and have read, and are familiar with, the operating instructions.
2. Do not move vehicle when operating liftgate. Be certain vehicle is properly and securely braked on level ground before using the liftgate.
3. Always inspect this liftgate for maintenance or damage before using it. Do not use liftgate if it shows any sign of damage or improper maintenance.
4. Do not overload
5. Make certain the area in which the platform will open and close is clear before opening or closing the platform.
6. Make certain platform area, including the area in which loads may fall from platform, is clear before and at all times during operation of liftgate.
7. This liftgate is intended for loading and unloading of cargo only. Do not use this liftgate for anything but its intended use.

P/N 282479-01

WARNING & SAFETY INSTRUCTIONS DECAL
P/N 282479-01

OPERATING INSTRUCTIONS

1. Release both Corner Latches and Manually lower the Platform to the Horizontal Position.
2. Activate Power to Liftgate.
3. Push Toggle Switch "UP" to Raise the Platform. Push Toggle Switch "DOWN" to Lower the Platform.



CORNER LATCH TOGGLE SWITCH

POWER ACTIVATION SWITCH

P/N 263189

INSTRUCTION DECAL
P/N 263189

WARNING

THE MAXIMUM CAPACITY OF THIS LIFT IS

1300 lbs.

WHEN LOAD IS CENTERED ON THE PLATFORM.

P/N 263186

CAPACITY DECAL
P/N 263186

WARNING



STAND CLEAR WHEN RELEASING PLATFORM STORAGE LATCHES

P/N 263188

CAUTION DECAL
P/N 263188

WARNING

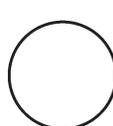


KEEP CLEAR OF THIS AREA

P/N 263187

CAUTION DECAL
P/N 263187

UP



DN

UP & DOWN DECAL
P/N 253430

FORKLIFT ADVISORY

⚠ WARNING
Keep Forklift OFF of Platform.

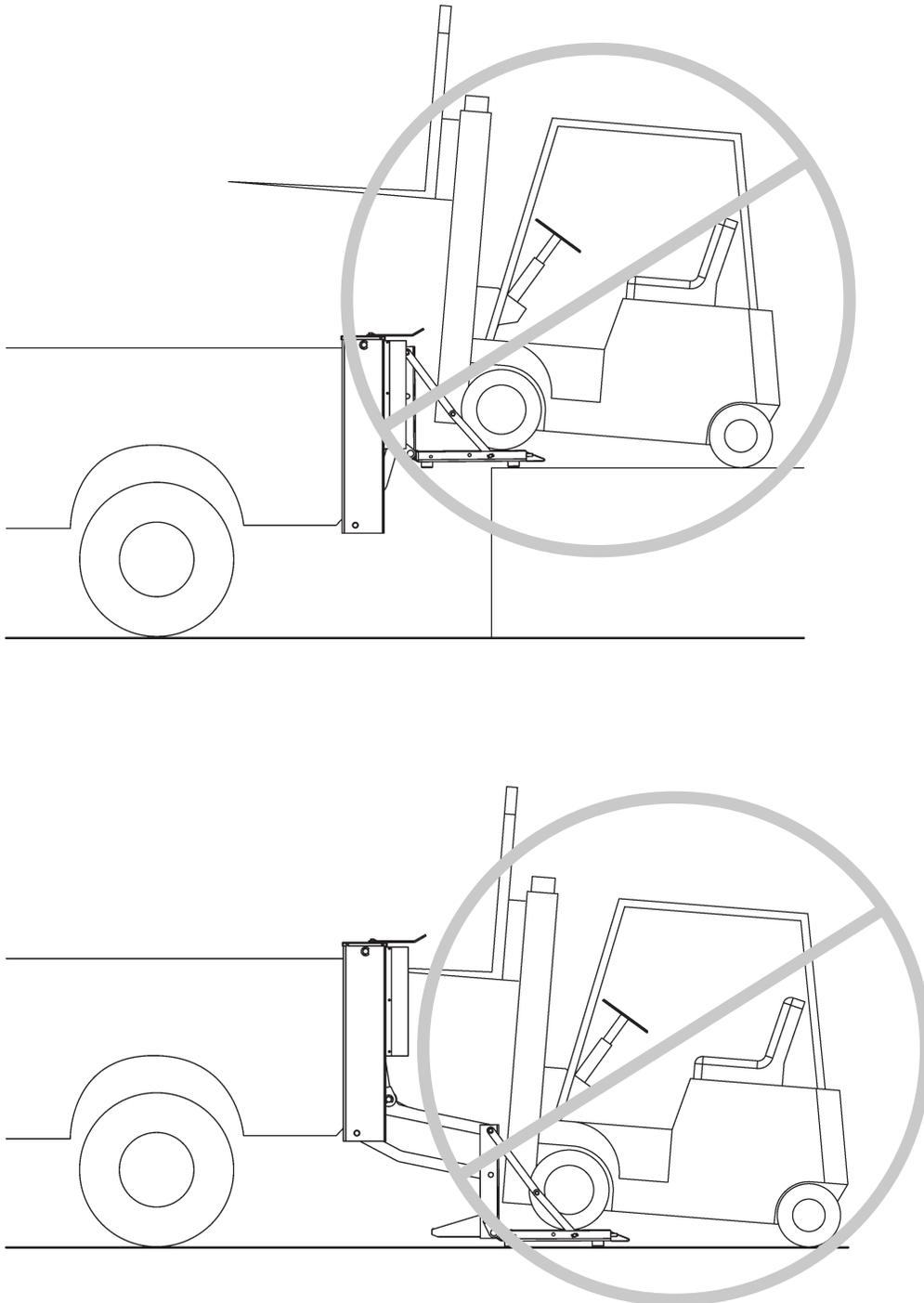
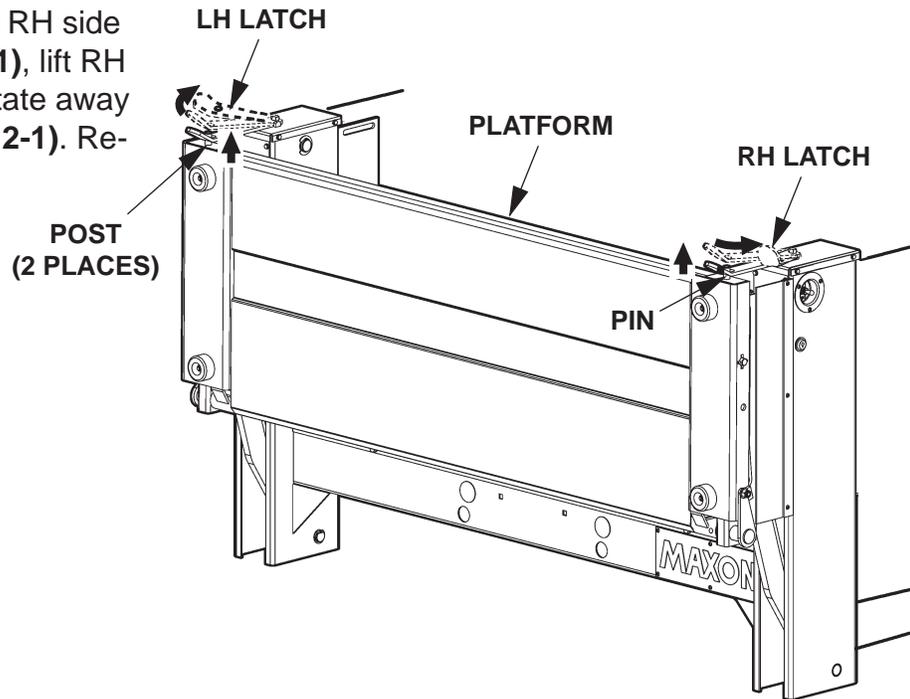


FIG. 11-1

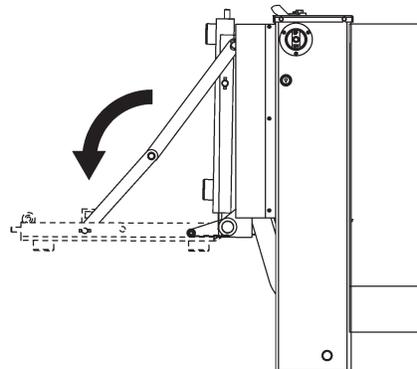
OPERATING LIFTGATE

1. Release the Platform as follows. Standing to the RH side of Platform (**FIG. 12-1**), lift RH Latch upward and rotate away from Platform (**FIG. 12-1**). Repeat for LH Latch.



RELEASING PLATFORM
FIG. 12-1

2. Unfold the Platform (**FIG. 12-2**).
If equipped, unfold Flipover.



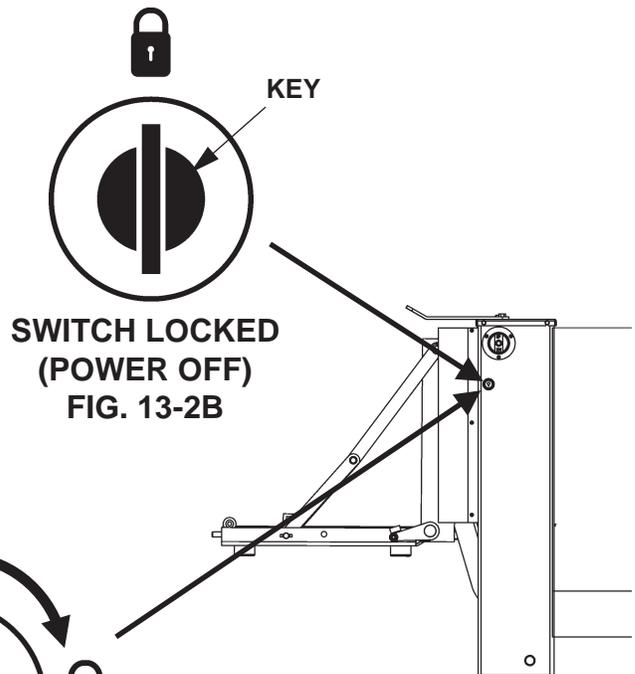
UNFOLD PLATFORM
FIG. 12-2

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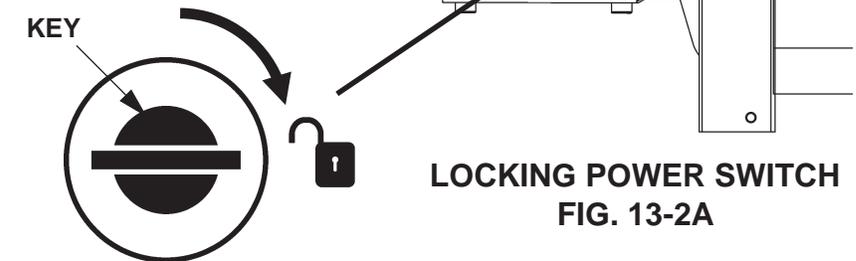
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NOTE: The locking power switch on the Liftgate can be locked (**FIG. 13-2B**) when the Liftgate is not being used. Switch must be unlocked to apply power to the Liftgate.

3. Turn on Liftgate power as follows. Insert correct key in the lock switch (**FIG. 13-2A**). Push the key and turn clockwise to **ON** position as shown in **FIG. 13-2C**.



**SWITCH LOCKED
(POWER OFF)
FIG. 13-2B**

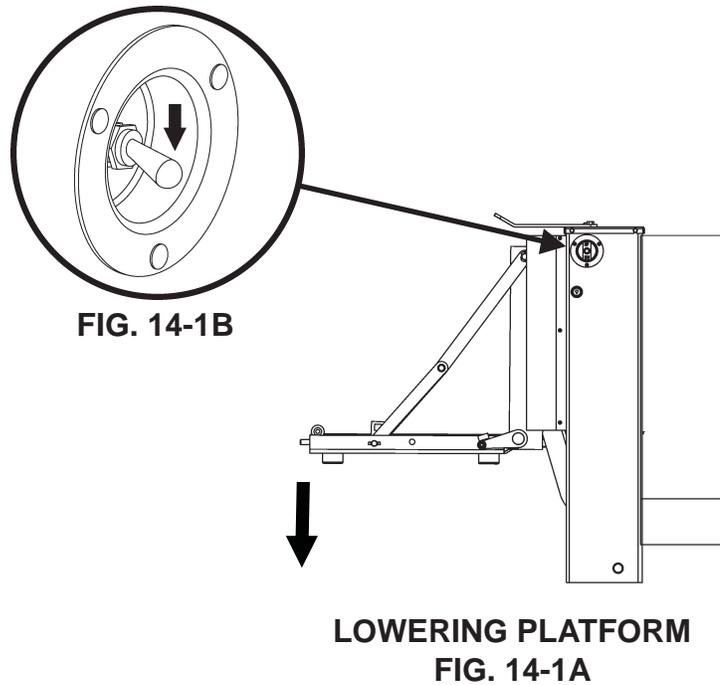


**SWITCH UNLOCKED
(POWER ON)
FIG. 13-2C**

**LOCKING POWER SWITCH
FIG. 13-2A**

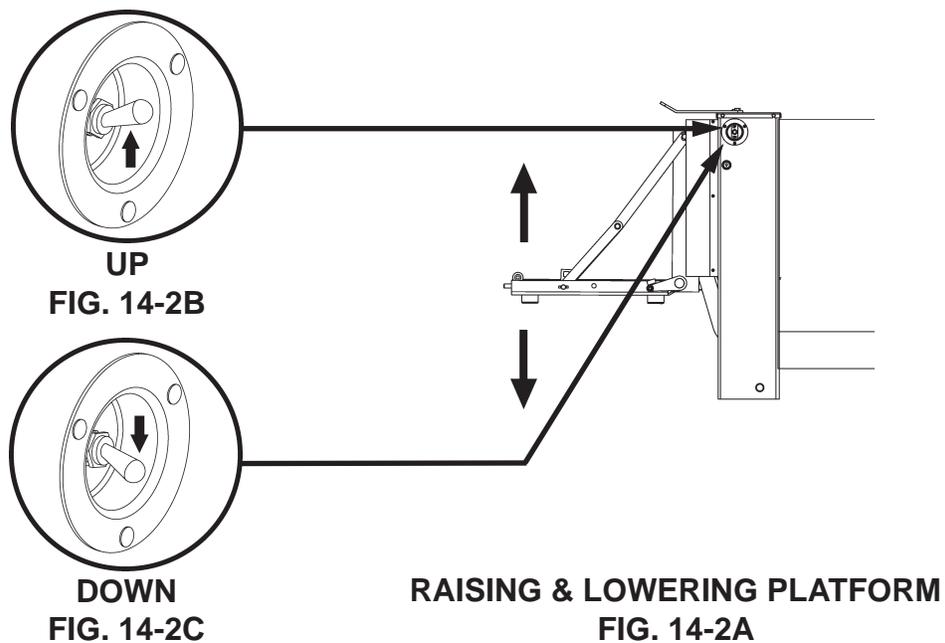
OPERATING LIFTGATE - Continued

4. Standing to the side of Platform (FIG. 14-1A), push the Toggle Switch to **DOWN** position as shown in FIG. 14-1B. Lower the Platform until it touches the ground.



NOTE: While operating the Liftgate, you can stop the Platform immediately by releasing the Toggle Switch.

5. Raise the Platform (FIG. 14-2A) by pushing the Toggle Switch to **UP** position (FIG. 14-2B). Wait a second before releasing the Toggle Switch, after Platform reaches bed height. To lower the Platform, push the Toggle Switch to **DOWN** position (FIG. 14-2C).



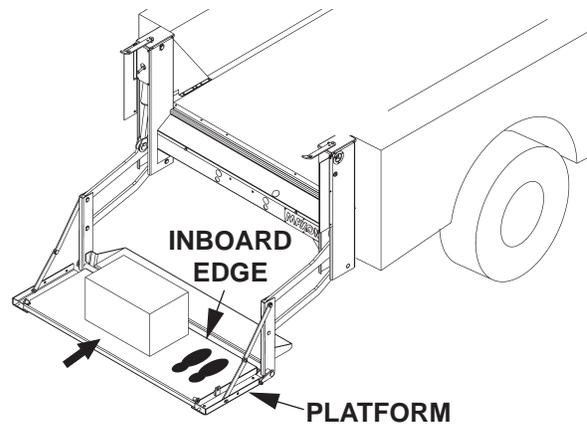
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WARNING

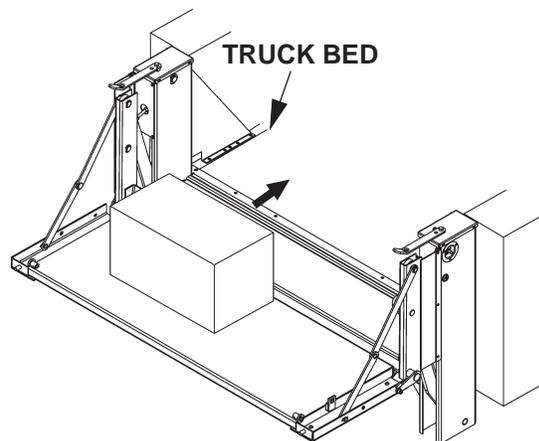
A load should never extend past the edges of the platform. Do not place unstable loads on platform and do not allow load to exceed the lifting capacity of the Liftgate. If standing on platform, do not allow your feet to extend beyond the inboard edge of the platform.

6. Load the Platform at ground level as shown in **FIG. 15-1**. If you choose to ride on the platform with the load, stand where the footprints are shown (**FIG. 15-1**).



LOADING PLATFORM AT GROUND LEVEL
FIG. 15-1

7. Raise the Platform to bed height. Then move the load into truck bed (**FIG. 15-2**).



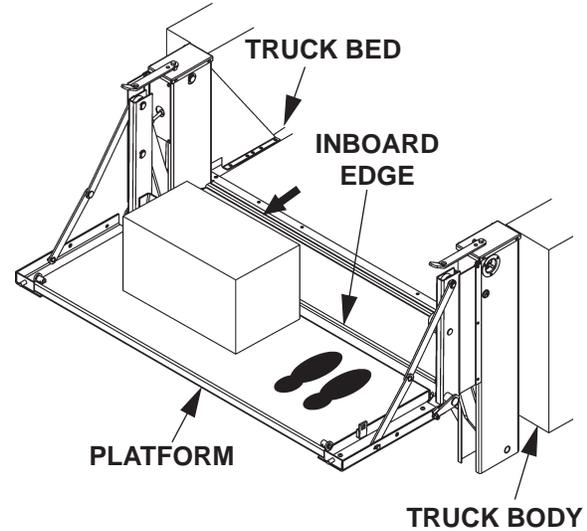
MOVING LOAD INTO TRUCK BED
FIG. 15-2

OPERATING LIFTGATE - Continued

WARNING

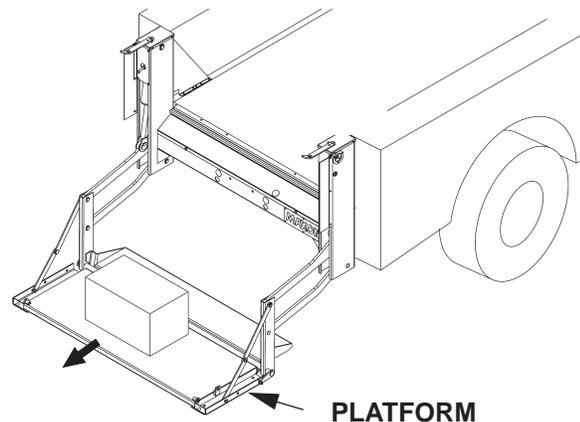
Pulling the load from Vehicle to Platform can result in a fall from Platform and serious injury. When unloading Vehicle, always push the load out on the Platform.

8. Load the Platform at bed height (**FIG. 16-1**) as follows. Push load out of truck bed to correct position on the Platform. Place all loads as close as possible to the inboard edge of the Platform with heaviest part toward the truck as shown in **FIG. 16-1**. If you choose to ride on the platform with the load, stand in the foot-print area shown and comply with the preceding **WARNINGS** on this page.



LOADING PLATFORM AT BED LEVEL
FIG. 16-1

9. Lower the Platform to ground level (**FIG. 16-2**). Then move the load off the Platform.



UNLOADING PLATFORM AT GROUND LEVEL
FIG. 16-2

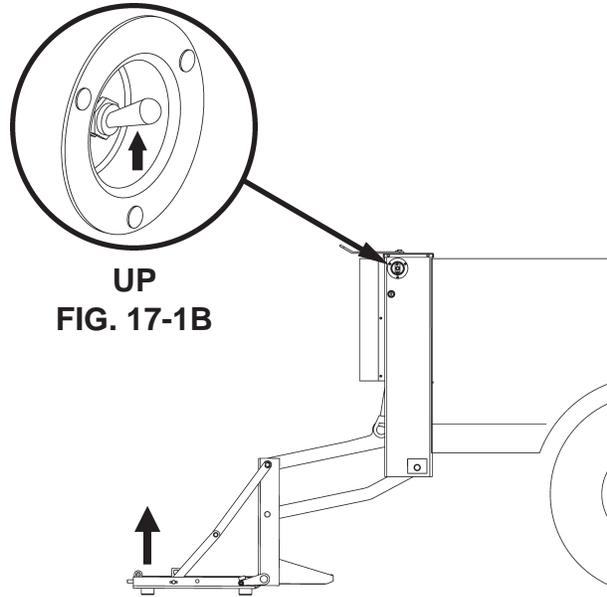
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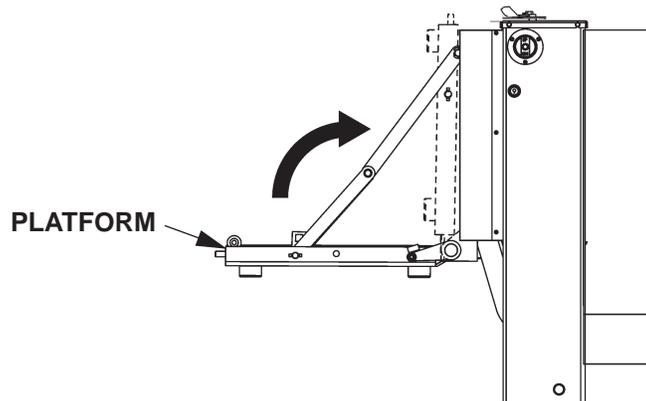
⚠ WARNING

Never move the vehicle unless the Liftgate is properly stowed.

9. Raise the Platform (**FIG. 17-1A**) to bed height by pushing the Toggle Switch to **UP** position (**FIG. 17-1B**). Wait a second before releasing Toggle Switch after Liftgate is at bed height.



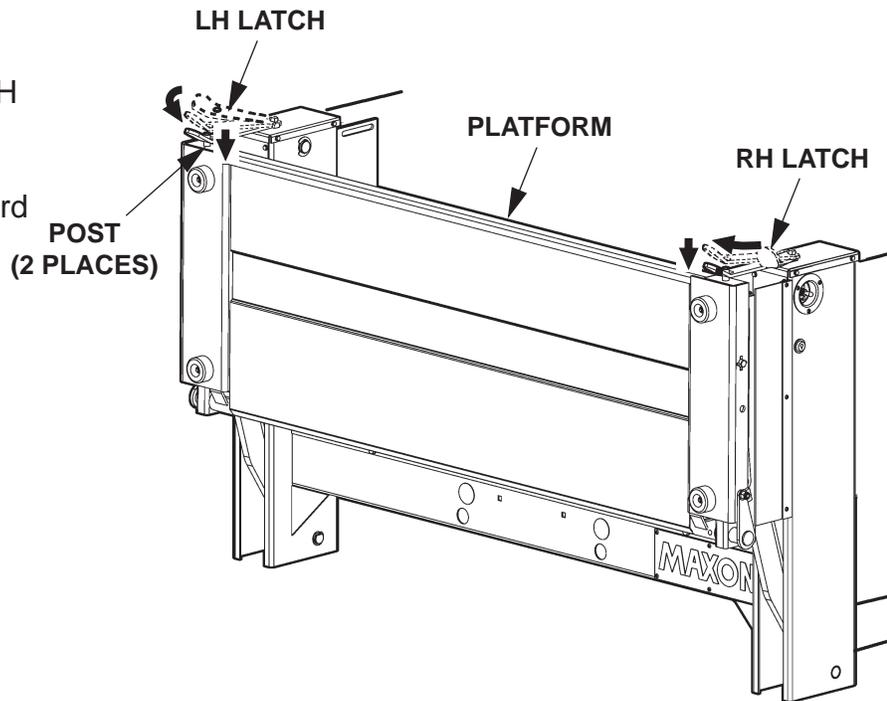
10. Fold the Platform as shown in **FIG. 17-2**.



**STOWING PLATFORM
FIG. 17-2**

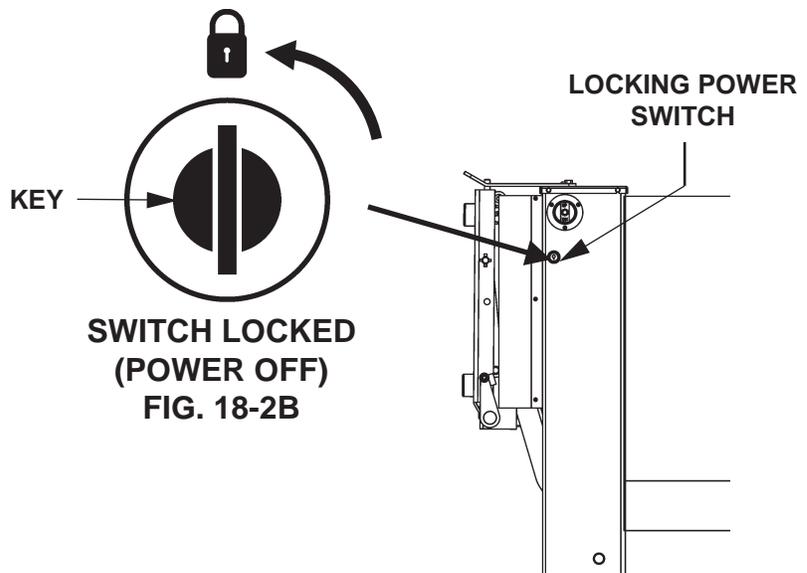
OPERATING LIFTGATE - Continued

11. Latch the Platform in stowed position as follows. Standing to the RH side of Platform (**FIG. 18-1**), lift RH Latch upward and rotate toward Platform (**FIG. 18-1**). Capture the pin with Latch. Repeat this step for LH Latch.



LATCHING PLATFORM
FIG. 18-1

12. Use the Locking Power Switch (**FIG. 18-2A**) to turn **OFF** Liftgate power. Turn the key counter-clockwise as shown in **FIG. 18-2B**. Then remove the key to prevent unauthorized operation.



PLATFORM STOWED
FIG. 18-2A

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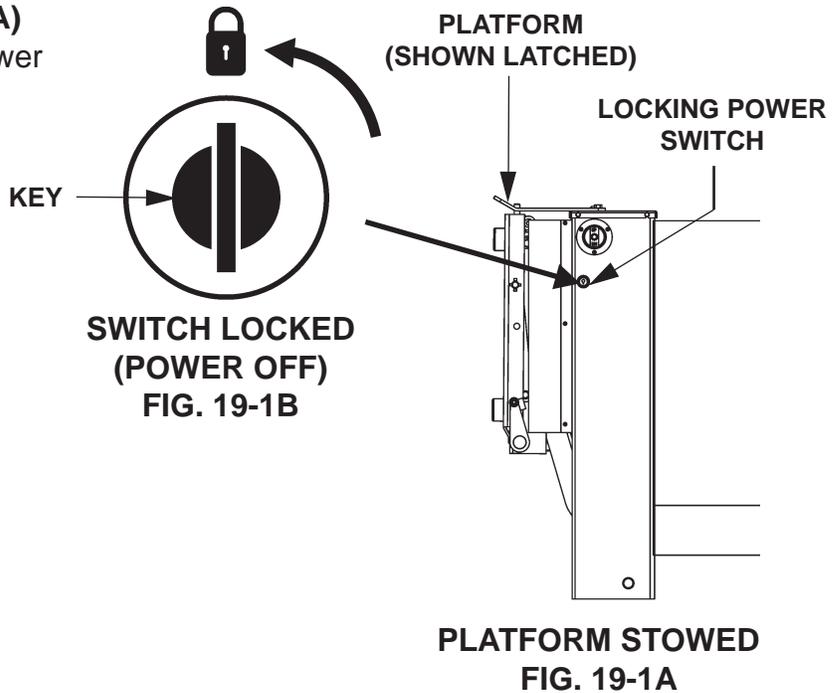
SPARE TIRE ACCESS

WARNING

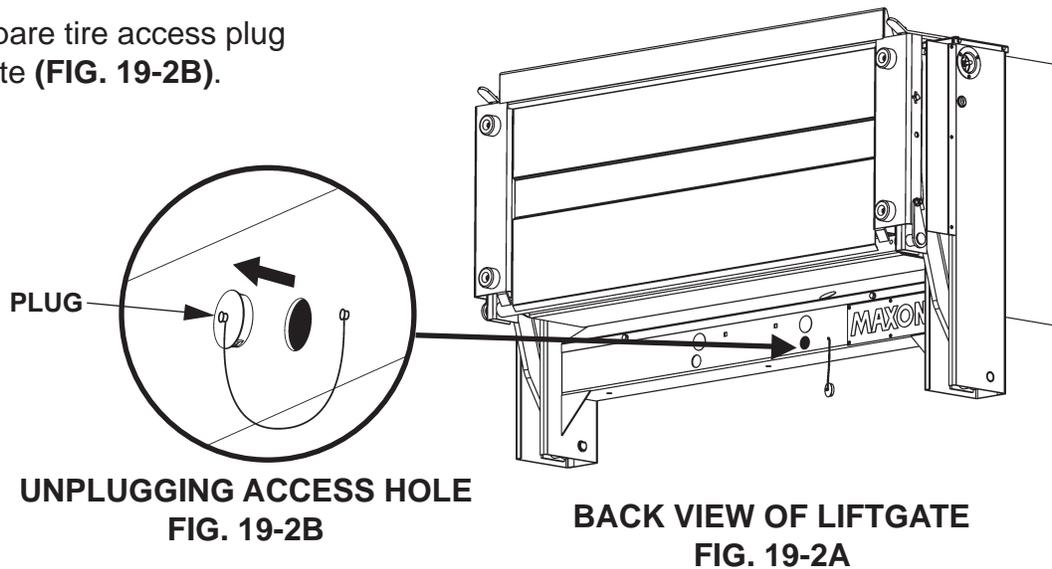
Prevent accidental personal injury and equipment damage. First stow the Platform & then turn OFF locking power switch before accessing spare tire stowed under truck body.

NOTE: If spare tire is stowed under truck body and the spare tire access holes on the Liftgate are set up for your truck, do the following procedure to gain access to spare tire.

1. Stow the Liftgate (**FIG. 19-1A**) and turn **OFF** the locking power switch (**FIG. 19-1B**).

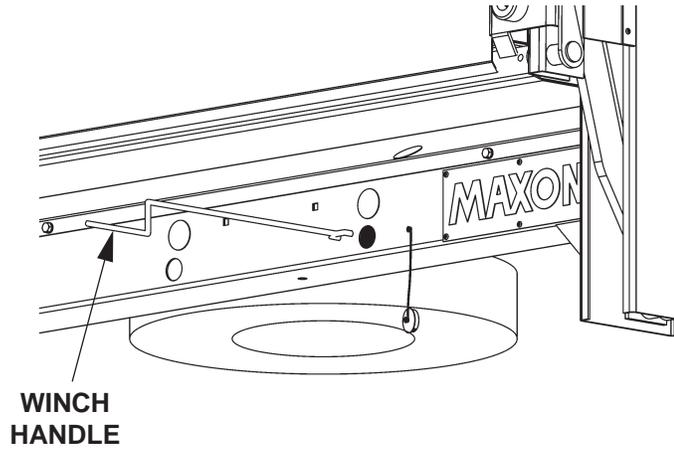


2. Remove spare tire access plug from Liftgate (**FIG. 19-2B**).



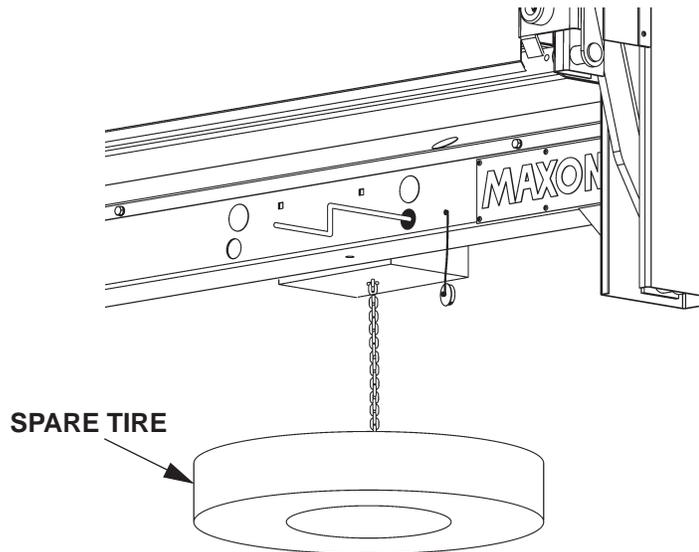
SPARE TIRE ACCESS - Continued

3. Insert spare tire winch handle (FIG. 20-1). Then turn handle to lower spare tire to the ground (FIG. 20-2).



**LOWERING SPARE TIRE
FIG. 20-1**

4. Remove spare tire or attach spare tire (FIG. 20-2).

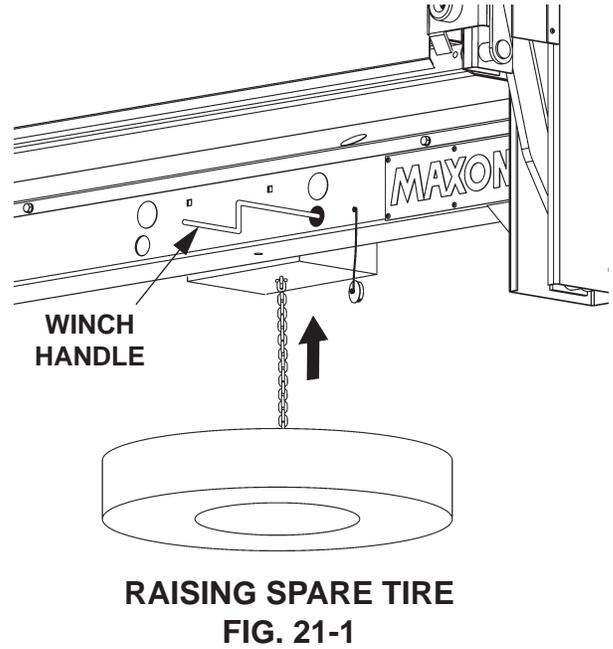


**SPARE TIRE LOWERED TO GROUND
FIG. 20-2**

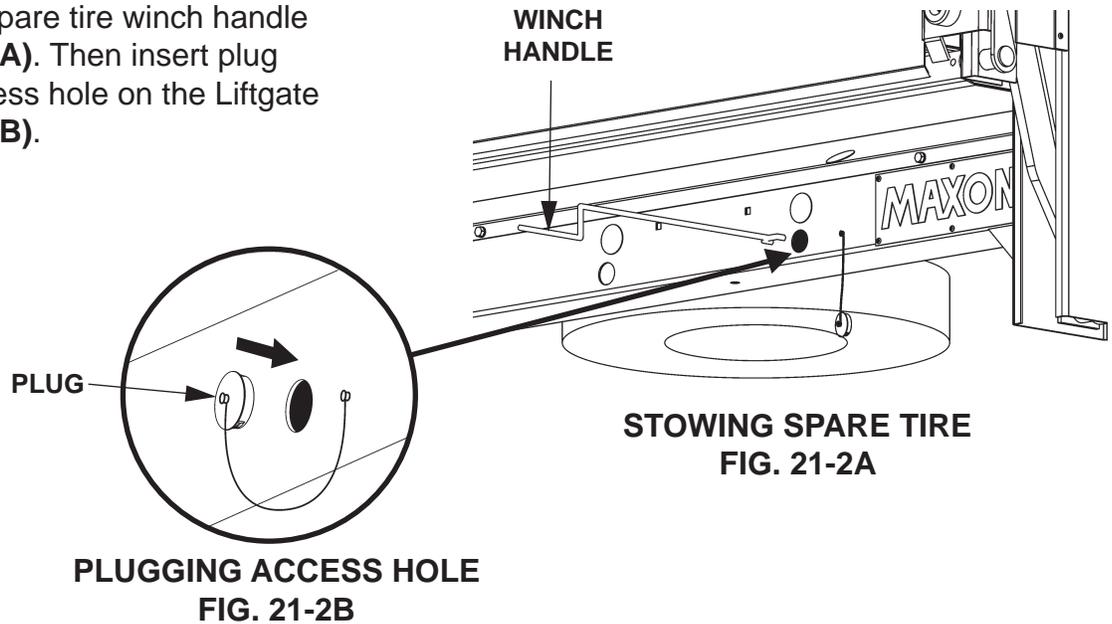
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5. Turn winch handle (FIG. 21-1) to raise spare tire to stowed position under truck body.



6. Remove spare tire winch handle (FIG. 21-2A). Then insert plug in the access hole on the Liftgate (FIG. 21-2B).



MAINTENANCE

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LIFT CORP.

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Santa Fe Springs, CA. 90670

CUSTOMER SERVICE:

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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

LIFTGATE WARRANTY

Type of Warranty: Full Parts and Labor

Term of Warranty: Standard Liftgates - 2 years from ship date or 6,000 cycles
Premium Liftgates - 2 years from ship date or 10,000 cycles

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 wear, 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 2 years of service, and will reimburse for labor based on MAXON's Liftgate Warranty Flat Rate Schedule. (Copy of the Flat Rate is available at www.maxonlift.com.)

All warranty repairs must be performed by an authorized MAXON 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. Liftgate Model Number and Serial Number
2. The End User must be referenced on the claim
3. Detailed Description of Problem
4. Corrective Action Taken, and Date of Repair
5. Parts used for Repair, Including MAXON Part Number(s)
6. MAXON R.M.A. # and/or Authorization # if applicable (see below)
7. Person contacted at MAXON if applicable
8. Claim must show detailed information i.e. Labor rate and hours of work performed

Warranty claims can also be placed online at www.maxonlift.com. Online 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 or reference with original invoice number and are subject to a credit deduction to cover handling charges and any necessary reconditioning costs. **Unauthorized returns will be refused and will 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. Returned parts are subject to no credit and returned back to the customer. Defective parts requested for return must be returned within 30 days of the claim date for consideration to:

MAXON Lift Corp.
10321 Greenleaf Ave., Santa Fe Springs, CA 90670
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, are also not covered.

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

All Liftgates returned are subject to inspection and a 15% restocking fee. Any returned Liftgates 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 Liftgate 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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Comply with the following **WARNINGS** and **SAFETY INSTRUCTIONS** while maintaining Liftgates. See Operation Manual for operating safety requirements.

WARNING

- Do not stand, or allow obstructions, under the platform when lowering the Liftgate. **Be sure your feet are clear of the Liftgate.**
- **Keep fingers, hands, arms, legs, and feet clear of moving Liftgate parts (and platform edges) when operating the Liftgate.**
- **Correctly stow platform when not in use. Extended platforms could create a hazard for people and vehicles passing by.**
- **Disconnect Liftgate power cable from battery** before repairing or servicing Liftgate.
- If it is necessary to stand on the platform while maintaining the Liftgate, keep your feet and any objects clear of the inboard edge of the platform. Your feet or objects on the platform can become trapped between the platform and the Liftgate extension plate.
- Recommended practices for welding on steel parts are contained in the current **AWS (American Welding Society) D1.1 Structural Welding Code - Steel**. Damage to Liftgate and/or vehicle, and personal injury could result from welds that are done incorrectly.
- Recommended practices for welding on aluminum parts are contained in the current **AWS (American Welding Society) D1.2 Structural Welding Code - Aluminum**. Damage to Liftgate and/or vehicle, and personal injury could result from welds that are done incorrectly.

SAFETY INSTRUCTIONS

- Read and understand the instructions in this **Maintenance Manual** before performing maintenance on the Liftgate.
- Before operating the Liftgate, read and understand the operating instructions in **Operation Manual**.
- Comply with all **WARNING** and instruction decals attached to the Liftgate.
- Keep decals clean and legible. If decals are illegible or missing, replace them. Free replacement decals are available from **Maxon Customer Service**.
- Consider the safety and location of bystanders and location of nearby objects when operating the Liftgate. Stand to one side of the platform while operating the Liftgate
- Do not allow untrained persons to operate the Liftgate.
- Wear appropriate safety equipment such as protective eyeglasses, faceshield and clothing while performing maintenance on the Liftgate and handling the battery. Debris from drilling and contact with battery acid may injure unprotected eyes and skin.
- Be careful working by an automotive type 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.

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- If an emergency situation arises (vehicle or Liftgate) while operating the Liftgate, release the control switch to stop the Liftgate.
- A correctly installed Liftgate operates smoothly and reasonably quiet. The only noticeable noise during operation comes from the power unit while the platform is raised. Listen for scraping, grating and binding noises and correct the problem before continuing to operate Liftgate.
- Use only **Maxon Authorized Parts** for replacement parts. Provide Liftgate model and serial number information with your parts order. Order replacement parts from:

MAXON LIFT CORP. Customer Service
11921 Slauson Ave., Santa Fe Springs, CA 90670

Online: www.maxonlift.com

Express Parts Ordering: Phone (800) 227-4116 ext. 4345

Email: Ask your Customer Service representative

PERIODIC MAINTENANCE PERIODIC MAINTENANCE CHECKS

WARNING

Never operate the Liftgate if parts are loose or missing.

NOTE: Make sure Vehicle is parked on level ground while performing the maintenance checks.

Quarterly or 1250 Cycles (whichever occurs first)

Check the Hydraulic Fluid level in the Pump Reservoir. Refer to the **CHECKING HYDRAULIC FLUID** procedure in the **PERIODIC MAINTENANCE** section.

If Hydraulic Fluid appears contaminated, refer to the **CHANGING HYDRAULIC FLUID** procedure in the **PERIODIC MAINTENANCE** section.

Keep track of the grade of Hydraulic Fluid in the Pump Reservoir and never mix two different grades of fluid.

Check all Hoses and Fittings for chafing and fluid leaks. Tighten loose fittings or replace parts as required.

Check electrical wiring for chafing and make sure wiring connections are tight and free of corrosion. Use Dielectric Grease to protect electrical connections.

Check that all **WARNING and instruction decals** are in place. Also make sure decals are readable and decals are clean and undamaged.

Check that all bolts, nuts, e-rings, and roll pins are in place. Make sure roll pins protrude evenly from both sides of Hinge Pin collar. Replace fasteners and roll pins if necessary.

Check for rust and oily surfaces on Liftgate. If there is rust or oil on Liftgate or if the Liftgate is dirty, clean it off. Touch up the paint where bare metal is showing.

Apply grease to zerk fitting on each Lifting Arm. (Access the fittings when Platform is on the ground.)

Semi-annually or 2500 Cycles (whichever occurs first)

Visually check the Platform Hinge Pins for excessive wear and broken welds. See **PARTS BREAKDOWN** section for replacement parts. Also, do the **Quarterly or 1250 Cycles** maintenance checks.

PERIODIC MAINTENANCE CHECKLIST

NOTE: Make sure Vehicle is parked on level ground while performing maintenance checks.

Quarterly or 1250 Cycles (whichever occurs first)

- Check the level and condition of the Hydraulic Fluid.
- Visually check all Hoses and Fittings for chafing and fluid leaks. Tighten loose fittings or replace parts as required.
- Check electrical wiring for chafing and make sure wiring connections are tight and free of corrosion. Use Dielectric Grease to protect electrical connections.
- Check that all **WARNING and instruction decals** are in place. Also make sure decals are readable and decals are clean and undamaged.
- Check that all bolts, nuts, e-rings, and roll pins are in place. Make sure roll pins protrude evenly from both sides of Hinge Pin collar. Replace fasteners and roll pins if necessary.
- Check for rust and oily surfaces on Liftgate. If there is rust or oil on Liftgate or if the Liftgate is dirty, clean it off. Touch up the paint where bare metal is showing.
- Apply grease to zerk fitting on each Lifting Arm. (Access the fittings when Platform is on the ground.)

Semi-annually or 2500 Cycles (whichever occurs first)

- Visually check the Platform Hinge Pins for excessive wear and broken welds.
- Do the **Quarterly or 1250 Cycles Checks** on this Checklist.

CHECKING 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.

NOTE: Use correct grade of hydraulic fluid for your location.

+50 to +120 Degrees F - Grade ISO 32

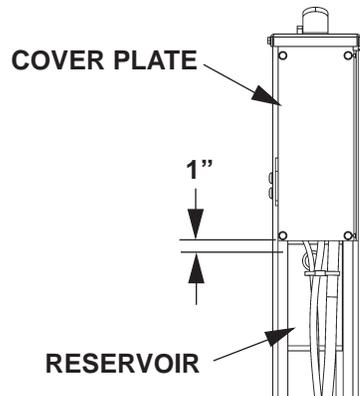
Below + 70 Degrees F - Grade ISO 15 or MIL-H-5606

See **TABLES 30-1 & 30-2** for recommended brands.

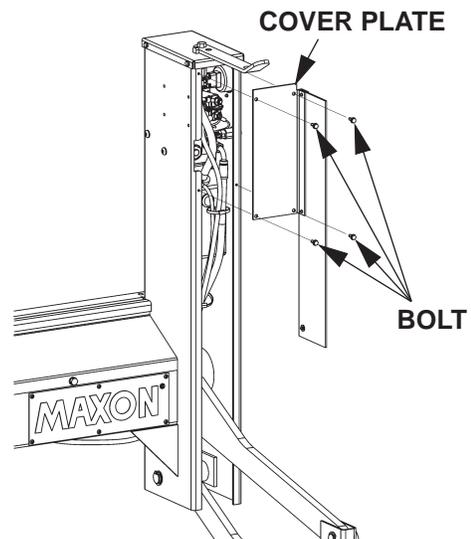
1. Open and lower Platform to ground level (**FIG. 28-1**).
2. Check the Hydraulic Fluid level in Reservoir (**FIG. 28-1**). Level should be about even with bottom of Cover Plate (**FIG. 28-1**). If needed, add Hydraulic Fluid as follows.

NOTE: If the Hydraulic Fluid in the Reservoir is contaminated, do the **CHANGING HYDRAULIC FLUID** procedure in this section.

3. Unbolt the Cover Plate to gain access to filler tube (**FIG. 28-2**).



**CHECKING FLUID LEVEL
FIG. 28-1**



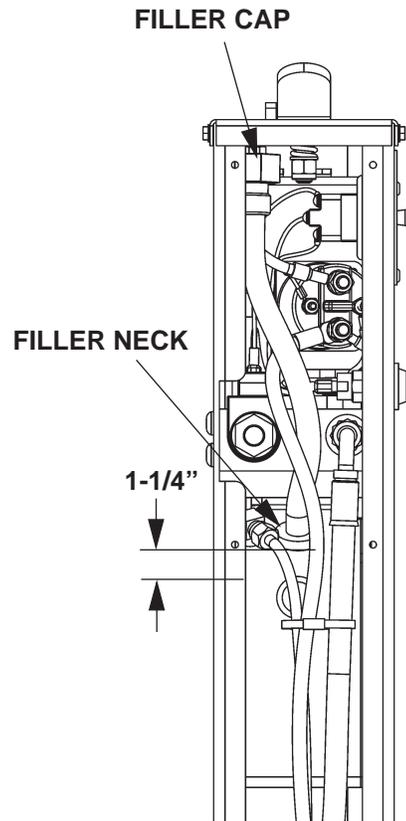
**REMOVING COVER PLATE
FIG. 28-2**

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4. Remove Filler Cap (**FIG. 29-1**). Add Hydraulic Fluid to 1-1/4" below Filler Neck (**FIG. 29-1**).

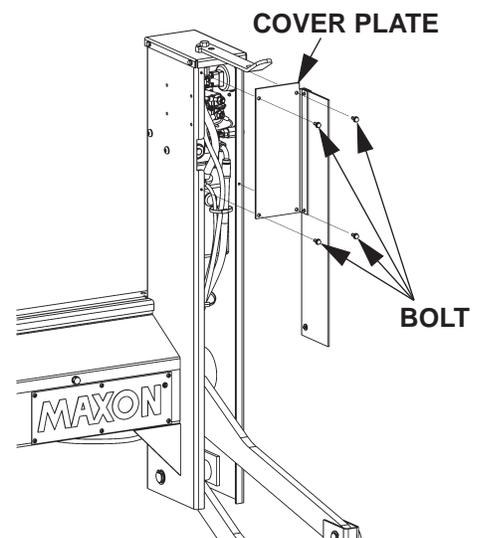
5. Reinstall Filler Cap (**FIG. 29-1**).



CHECKING FLUID LEVEL
FIG. 29-1

CAUTION
Pump Cover must be correctly secured to prevent it from becoming a hazard. To secure Pump Cover, bolt it in place on the Liftgate.

6. Bolt on the Cover Plate (**FIG. 29-2**). Tighten bolts snug.



REINSTALLING COVER PLATE
FIG. 29-2

CHECKING HYDRAULIC FLUID - Continued

ISO 32 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWH-05
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS S2 V32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

TABLE 30-1

ISO 15 OR MIL-H-5606 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWF-05
CHEVRON	FLUID A, AW-MV-15
KENDALL	GLACIAL BLU
SHELL	TELLUS S2 V15
EXXON	UNIVIS HVI-13
MOBIL	DTE-11M
ROSEMEAD	THS FLUID 17111

TABLE 30-2

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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.

NOTE: Use correct grade of hydraulic fluid for your location.

+50 to +120 Degrees F - Grade ISO 32

Below + 70 Degrees F - Grade ISO 15 or MIL-H-5606

See **TABLES 30-1 & 30-2** for recommended brands.

NOTE: To prevent spills, drain used hydraulic fluid through a funnel into waste fluid container.

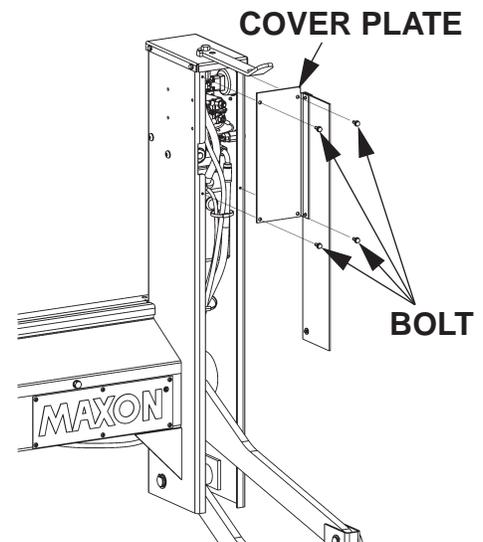
1. Open and lower Platform to ground level.
2. Unbolt the Cover Plate (**FIG. 31-1**).

NOTE: To prevent spills, drain used hydraulic fluid into an empty 5 gallon bucket. Hold hydraulic hose in container until fluid stops flowing. If needed, get a helper.

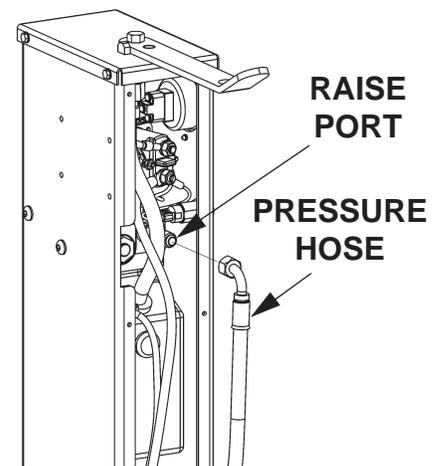
3. Disconnect pressure hose from **RAISE** port on Pump (**FIG. 31-2**).

NOTE: Use a drain hose with the correct fitting to connect with **RAISE** port on the Pump.

4. Connect one end of drain hose to the **RAISE** port on the Pump (**FIG. 31-2**) and put the other end in an empty 5 gallon bucket. Set the Control Switch to **UP** position until the Hydraulic System starts to make cavitating sounds. Release the Control Switch.
5. When fluid stops flowing from drain hose, disconnect hose from **RAISE** port on the Pump (**FIG. 31-2**). Reconnect the High Pressure Hose to the **RAISE** port on the Pump. Move 5 gallon bucket from work area and dispose of fluid correctly.



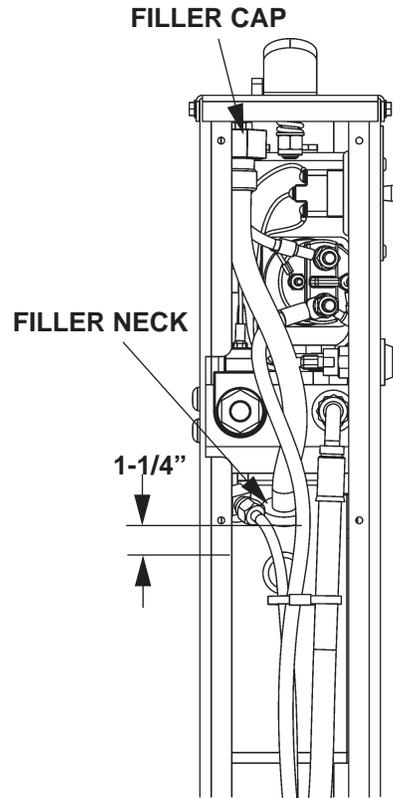
**REMOVING COVER PLATE
FIG. 31-1**



**CONNECTING/DISCONNECTING
PRESSURE HOSE OR DRAIN HOSE
FIG. 31-2**

CHANGING HYDRAULIC FLUID - Continued

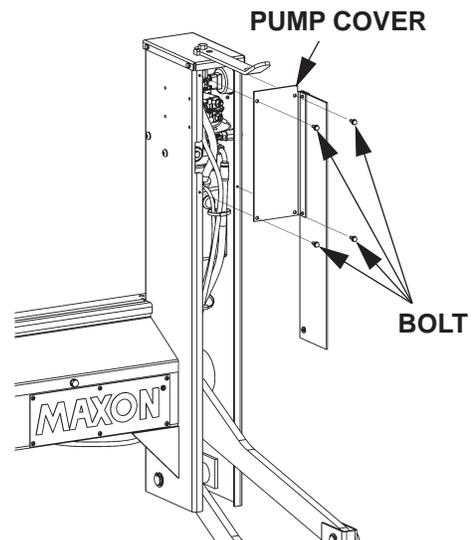
6. Remove Filler Cap (**FIG. 32-1**). Add Hydraulic Fluid to 1-1/4" below Filler Neck.



**ADDING FLUID
FIG. 32-1**

7. Reinstall the Filler Cap (**FIG. 32-1**).

8. Bolt on the Cover Plate (**FIG. 32-2**). Tighten bolts snug.



**REINSTALLING COVER PLATE
FIG. 32-2**

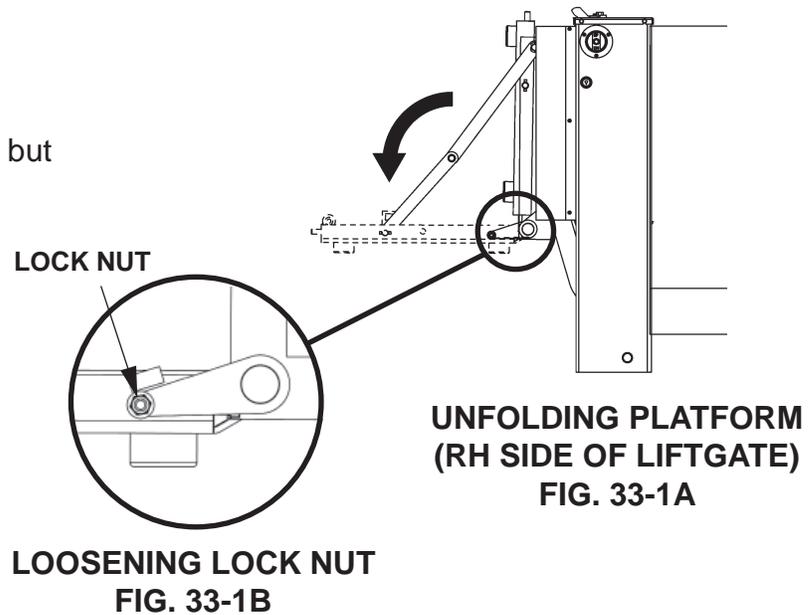
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REPLACING TORSION BAR

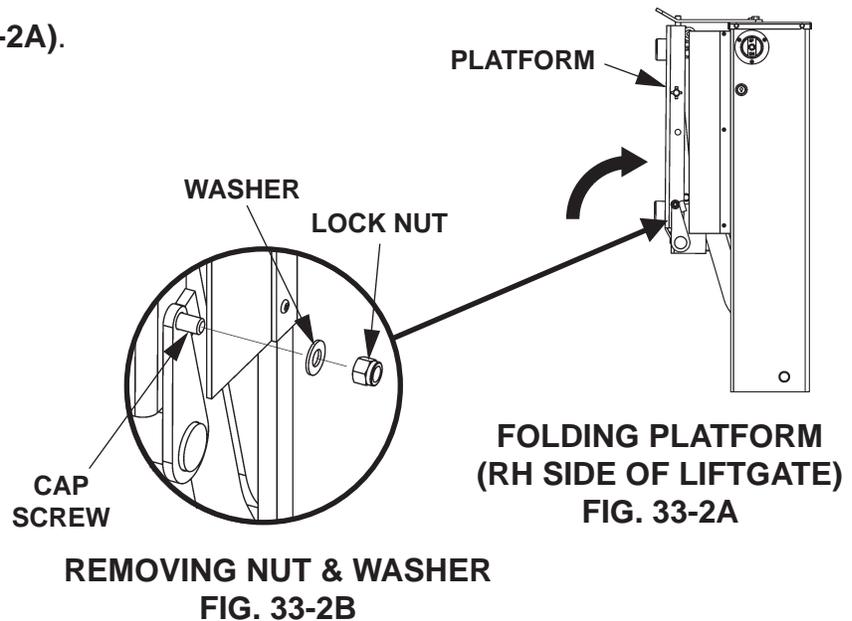
1. Unfold the Platform (FIG. 33-1A).

2. Loosen lock nut (FIG. 33-1B), but do not remove.



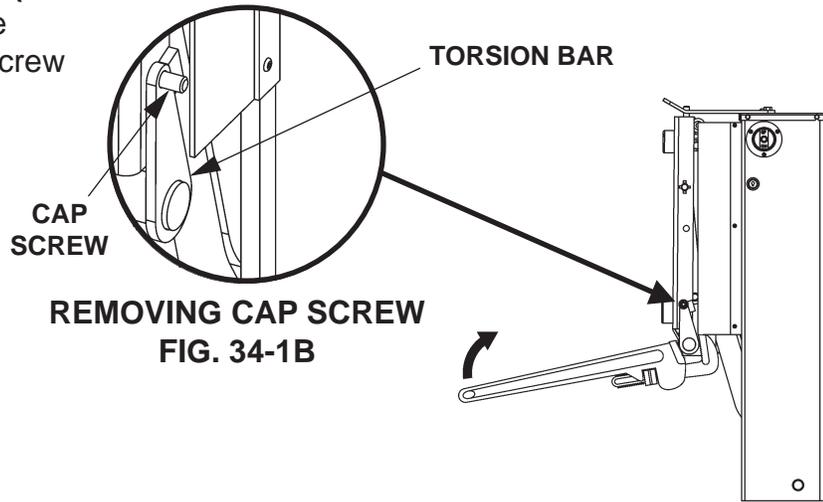
3. Fold the Platform (FIG. 33-2A).

4. Remove lock nut and flat washer (FIG. 33-2B).



REPLACING TORSION BAR - Continued

5. Turn torsion bar clockwise (**FIG. 34-1A**), enough to remove cap screw. Remove cap screw (**FIG. 34-1B**).

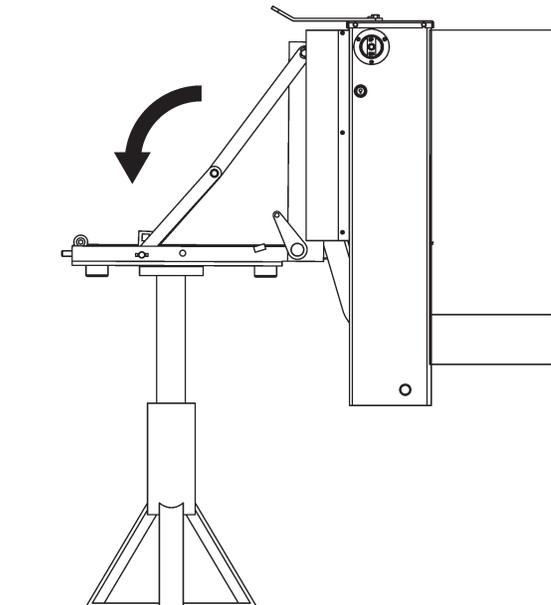


**REMOVING CAP SCREW
FIG. 34-1B**

6. Slowly release tension on torsion bar.

**ROTATING TORSION BAR
(RH SIDE OF LIFTGATE)
FIG. 34-1A**

7. Unfold and support the Platform (**FIG. 34-2**).



**UNFOLDING PLATFORM
(RH SIDE OF LIFTGATE)
FIG. 34-2**

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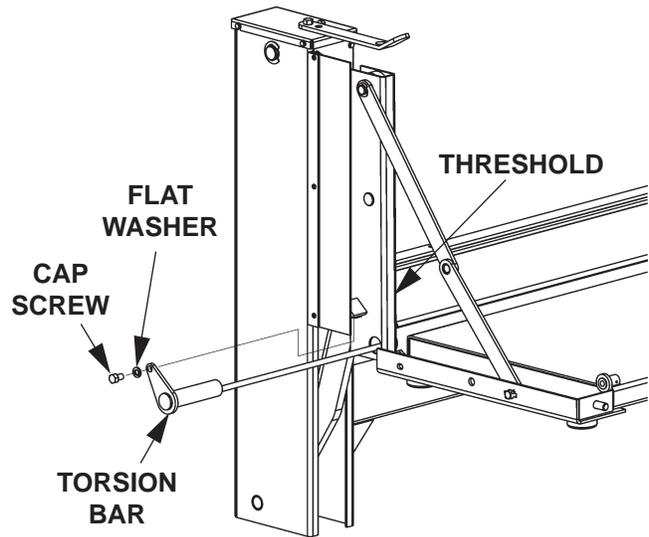
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8. Unbolt the Torsion Bar from Threshold on LH side of liftgate (**FIG. 35-1**).

9. Remove the Torsion Bar (**FIG. 35-1**).

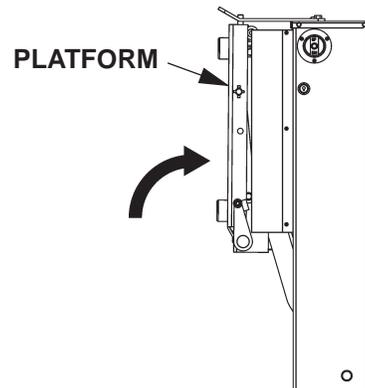
10. Insert new Torsion Bar (**FIG. 35-1**). Engage with RH part of Torsion Bar.

11. Bolt the Torsion Bar to Threshold on LH side of Liftgate (**FIG. 35-1**).



**REMOVING/REINSTALLING
TORSION BAR
(LH SIDE OF LIFTGATE)
FIG. 35-1**

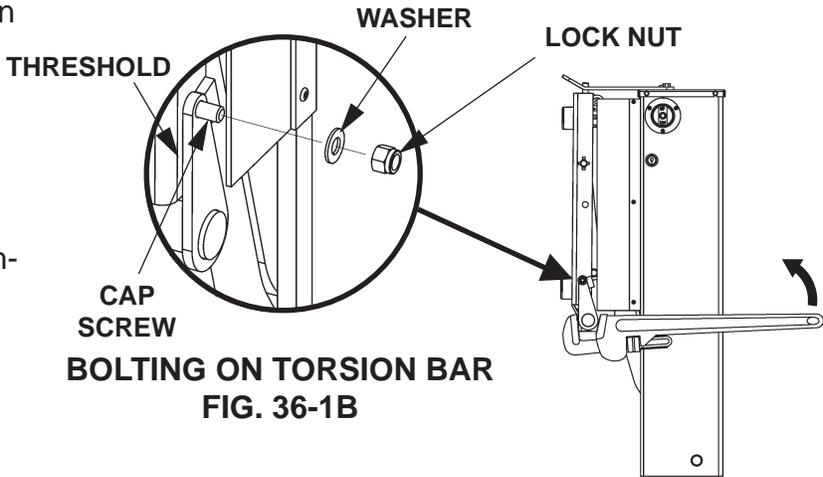
12. Fold the Platform and remove the support (**FIG. 35-2**).



**FOLDING PLATFORM
(RH SIDE OF LIFTGATE)
FIG. 35-2**

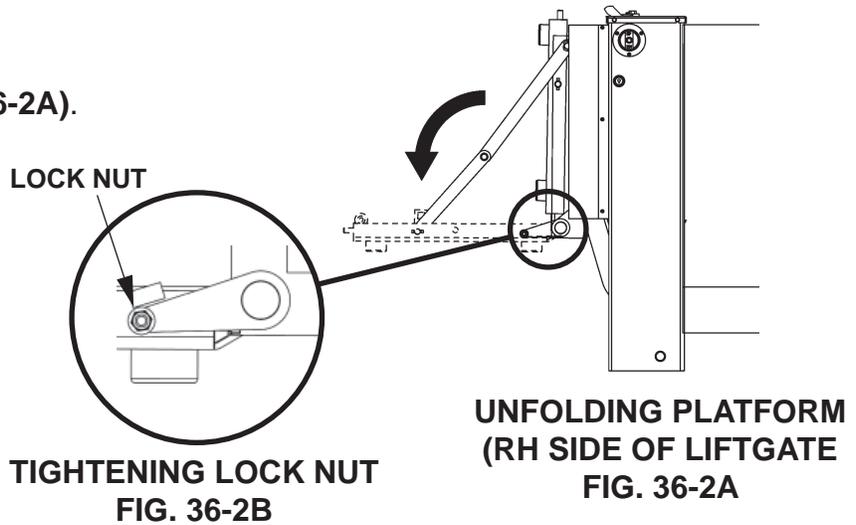
REPLACING TORSION BAR - Continued

13. Rotate the Torsion Bar to align bolt holes (FIG. 36-1A).



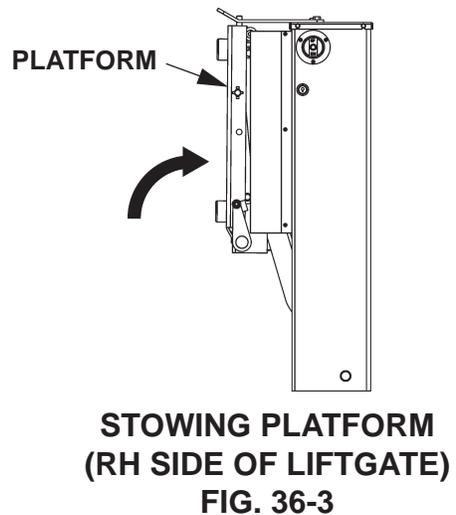
14. Bolt the Torsion Bar to Threshold (FIG. 36-1B).

15. Unfold the Platform (FIG. 36-2A).



16. Tighten lock nut securely (FIG. 36-2B).

17. Stow the Platform (FIG. 36-3).



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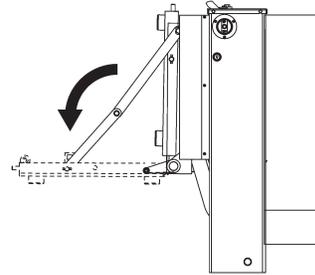
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PLATFORM STOW STOP ADJUSTMENT (IF REQUIRED)

NOTE: Adjustment should be done when:

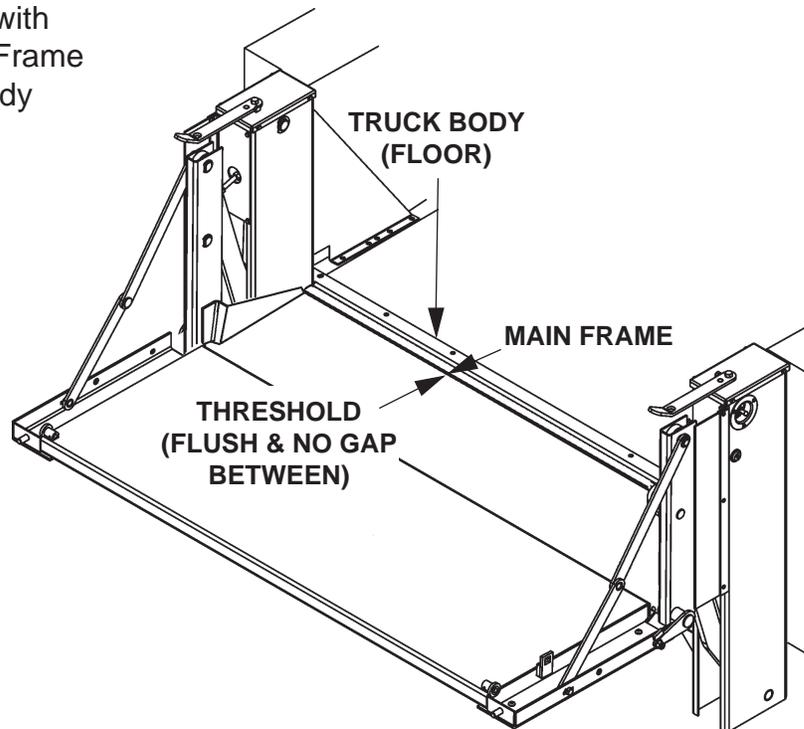
- Platform is stowed, but will not latch on LH or RH side
- Adjustment screw is replaced
- Platform and Threshold are not bent

1. Unfold the Platform (**FIG. 37-1**).



**UNFOLDING PLATFORM
(RH SIDE OF LIFTGATE)
FIG. 37-1**

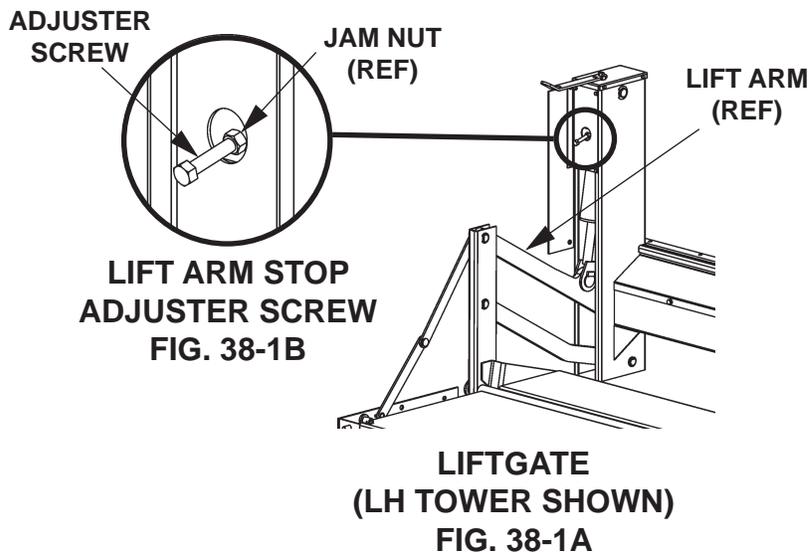
2. Make sure Threshold is flush with the Main Frame, where Main Frame meets the floor of the truck body (**FIG. 37-2**).



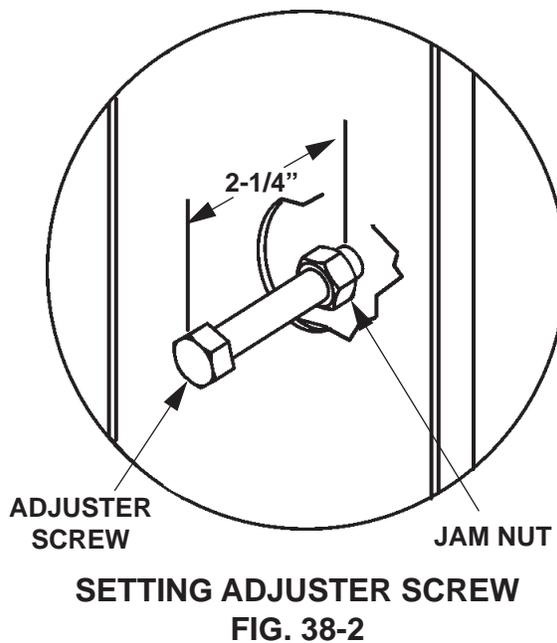
**CHECKING THRESHOLD
FIG. 37-2**

PLATFORM STOW STOP ADJUSTMENT - Continued

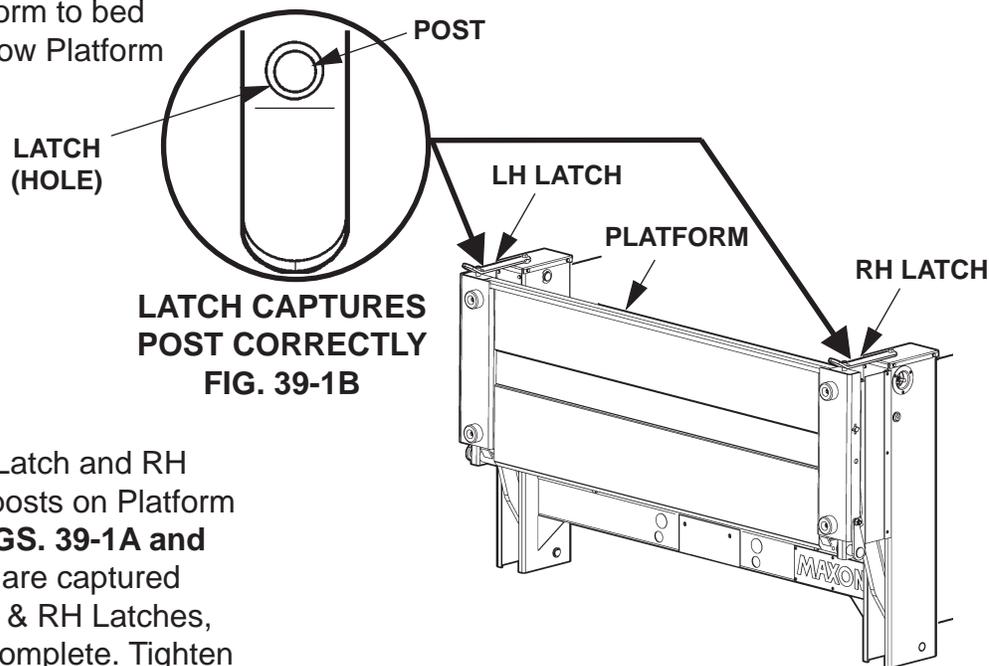
3. Lower the Platform enough to access Adjuster Screw (FIGS. 38-1A and 38-1B).



4. Loosen jam nut. Then set the Adjuster Screw at 2-1/4" (FIG. 38-2).



5. Raise the Platform to bed height. Then stow Platform (**FIG. 39-1A**).

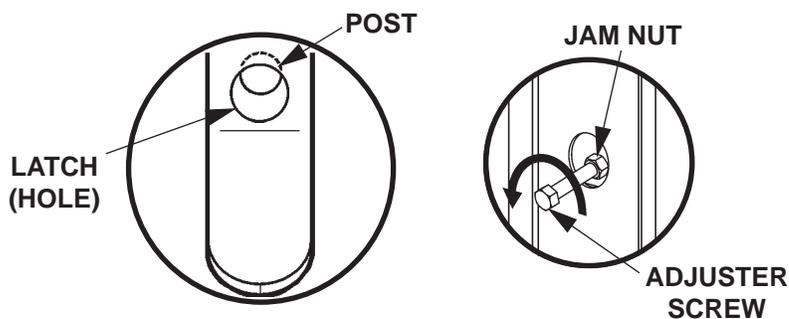


**LATCH CAPTURES POST CORRECTLY
FIG. 39-1B**

**PLATFORM STOWED & LATCHED
FIG. 39-1A**

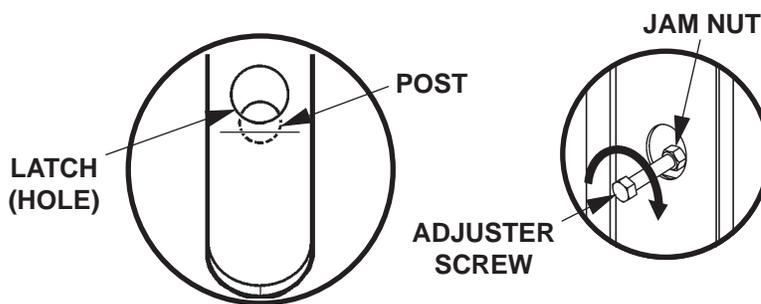
6. Make sure LH Latch and RH Latch capture posts on Platform as shown in **FIGS. 39-1A and 39-1B**. If posts are captured correctly by LH & RH Latches, adjustment is complete. Tighten jam nut (**FIG. 36-1B**) securely. If more adjustment is needed, go to step 7.

7. If the LH or RH Latches are captured incorrectly **FIGS. 39-2 or 39-3**, lower the Platform as shown in step 3 (**FIG. 36-1A**).



**TURNING SCREW CCW TO
LINE UP LATCH & POST
FIG. 39-2**

8. Turn the Adjuster Screw as shown in **FIGS. 39-2 or 39-3**.

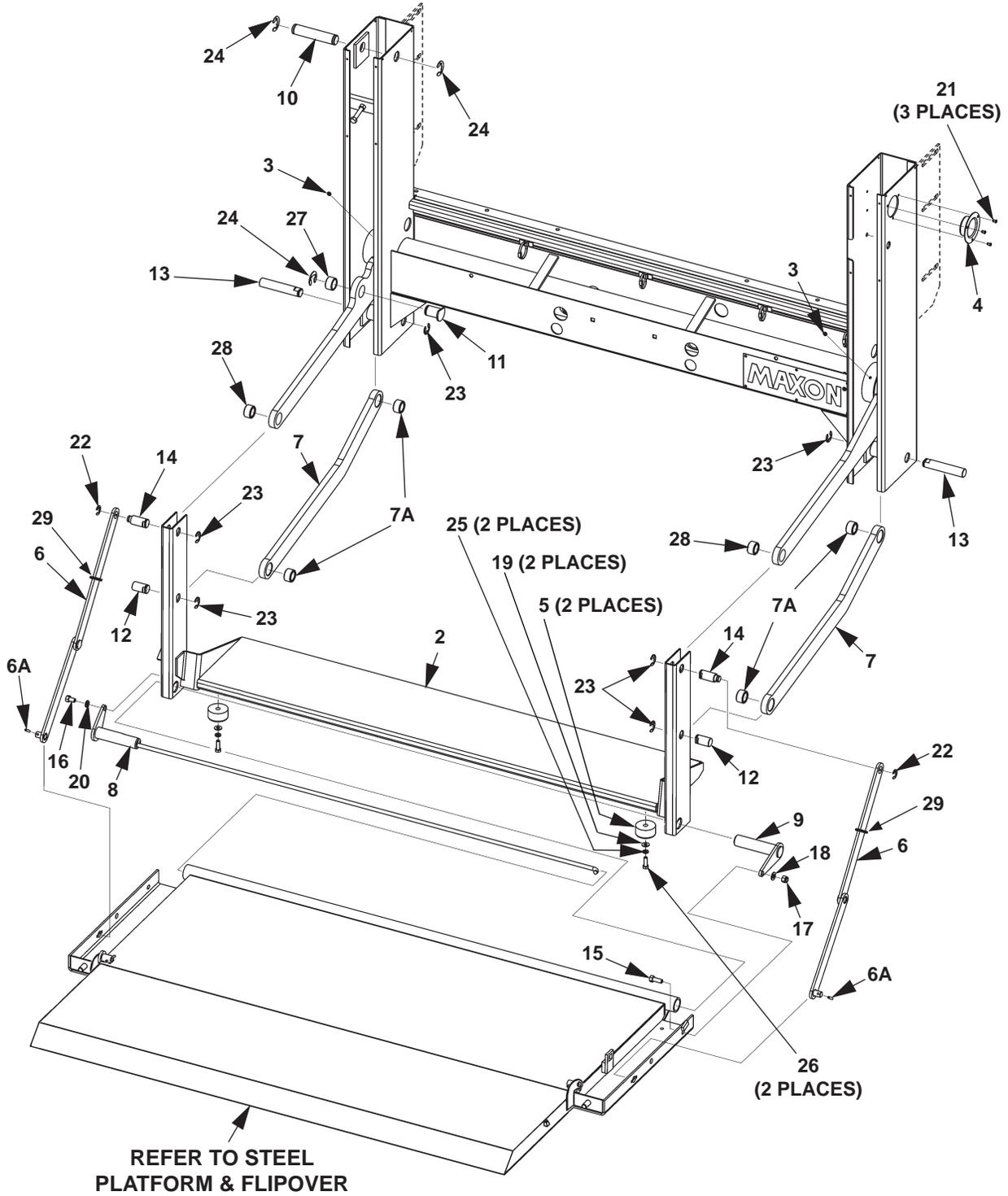


**TURNING SCREW CW TO LINE
UP LATCH & POST
FIG. 39-3**

9. Repeat steps 5 through 8 until LH & RH Latches capture post correctly. Tighten jam nut when adjustment is complete.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	267632-02	MAIN FRAME, 59" WIDE (PICKUP BODY)
		267632-11	MAIN FRAME, 54" WIDE (SERVICE BODY)
1A	1	900014-18	CAP SCREW, 3/8"-16 X 2-3/4" LG.
2	16	030444	TAP SCREW, #10-24 X 1/2" LG.
3	3	203216	GROMMET, 3/32" X 3/8" X 1-3/4"
4	2	203877	J-NUT, 5/16"-18
5	1	262610-01	TOP COVER ASSEMBLY, LH
5A	1	262622	LATCH
5B	1	262624	COMPRESSION SPRING
5C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
5D	1	901002	LOCKNUT, 3/8"-16
5E	1	902000-10	FLAT WASHER, 3/8"
6	1	262610-02	TOP COVER ASSEMBLY, RH
6A	1	262622	LATCH
6B	1	262624	COMPRESSION SPRING
6C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
6D	1	901002	LOCKNUT, 3/8"-16
6E	1	902000-10	FLAT WASHER, 3/8"
7	1	263761	FRONT COVER ASSEMBLY, LH
7A	3	904005-2	RIVET, 3/16" X 9/16" LG.
7B	1	263766	WEAR STRIP (PINCH SHIELD)
7C	1	263767	BRACKET, 19" LG
7D	1	902000-6	FLAT WASHER, #10
8	1	263762	FRONT COVER ASSEMBLY, RH
8A	3	904005-2	RIVET, 3/16" X 9/16" LG.
8B	1	263766	WEAR STRIP
8C	1	263767	BRACKET, 19" LG
8D	1	902000-6	FLAT WASHER, #10
9	1	263770	MAXON PLATE
10	1	267520-03	MAIN HOUSING COVER (59" LG.)
		267520-02	MAIN HOUSING COVER (54" LG.)
11	2	900001-1	BUTTON SCREW, 5/16"-18 X 3/4" LG.
12	2	900009-3	CAP SCREW, 5/16"-18 X 3/4" LG.
13	2	902011-3	LOCK WASHER, 5/16"
14	6	904005-1	RIVET, 3/16" X 7/16" LG.
15	6	908081-08	PLUG (FOR 1-1/2" HOLE)

MAIN ASSEMBLY-2 (STEEL PLATFORM)



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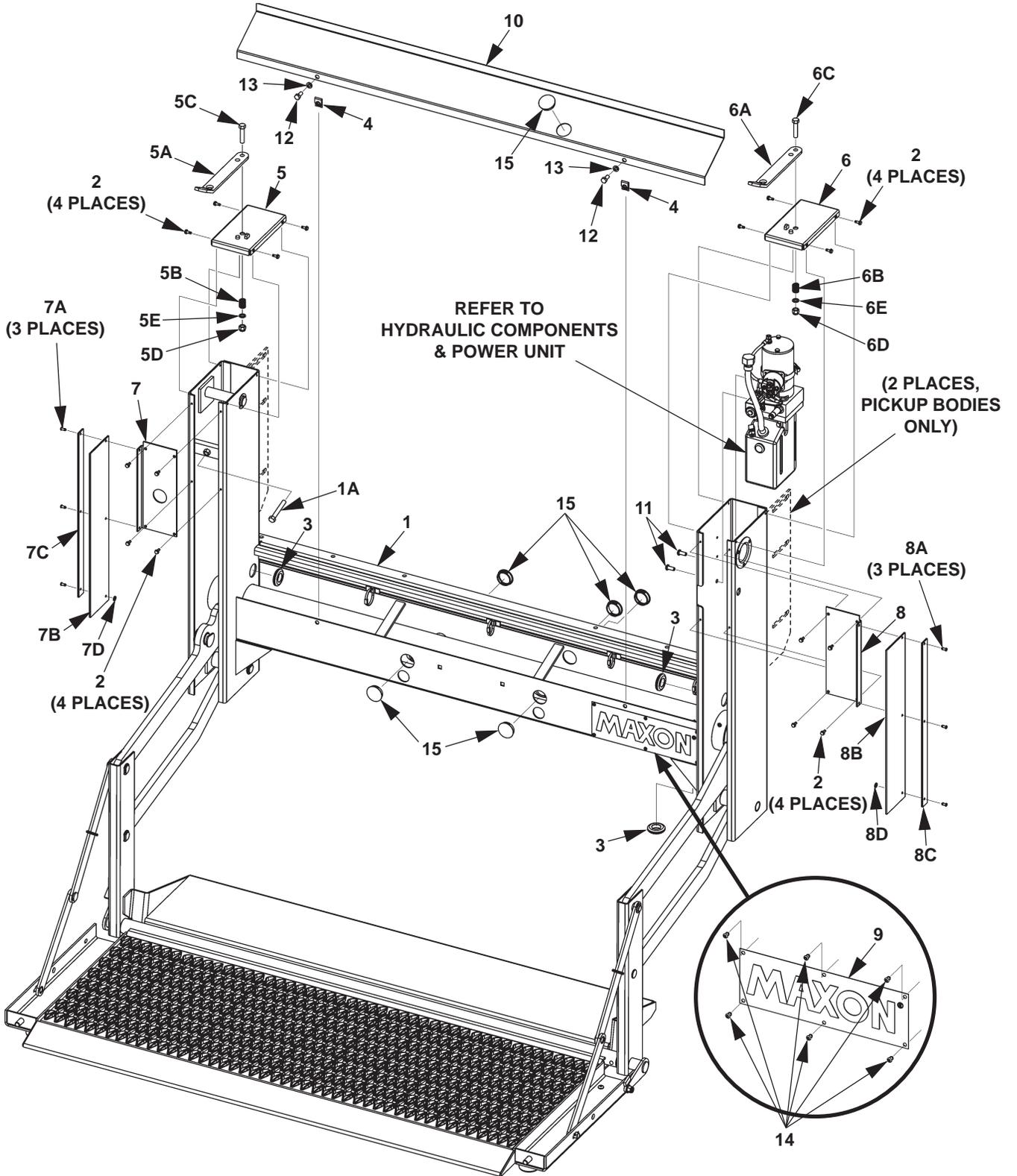
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ITEM	QTY	PART NO.	DESCRIPTION
1	1	264706	PLATFORM WELDMENT (59" LG.)
		262602-01	PLATFORM WELDMENT (54" LG.)
2	1	266358-04	THRESHOLD WELDMENT (55-5/8" LG.)
		266358-03	THRESHOLD WELDMENT (50-5/8" LG.)
3	2	224342	GREASE FITTING, 1/4"-28
4	1	226598	RECESSED SWITCH PLATE
5	2	253516	RUBBER BUMPER, 1" X 2"
6	2	262589	LINK ASSEMBLY
6A	1	905015	ROLL PIN, 3/16"
7	2	262595	LOWER ARM ASSEMBLY
7A	2	905139-01	BEARING, 7/8" X 3/4" LG.
8	1	264717	TORSION BAR WELDMENT (59" LG.)
		262625-01	TORSION BAR WELDMENT (54" LG.)
9	1	262626	PIN WELDMENT
10	1	262633	PIN, CYLINDER UPPER (4-3/4" LG.)
11	1	262679	PIN, CYLINDER LOWER (1-1/2" LG.)
12	2	267657-01	PIN, LOWER ARM (1-5/8" LG.)
13	2	267657-02	PIN, LOWER ARM-TOWER (4-1/2" LG.)
14	2	267658-01	PIN, UPPER ARM (2-1/8" LG.)
15	1	900014-5	CAP SCREW, 3/8"-16 X 1-1/4" LG.
16	1	900014-12	CAP SCREW, 3/8"-16 X 5/8" LG.
17	1	901002	LOCK NUT, 3/8"-16
18	1	902001-2	FLAT WASHER, 3/8"
19	2	902002-2	FLAT WASHER, 5/16" X 1/16" THK.
20	1	902011-4	FLAT WASHER, 3/8"
21	3	904005-1	RIVET, 3/16"
22	2	905138-08	E RING, 5/8"
23	6	905138-10	E RING, 3/4"
24	3	905138-13	E RING, 1"
25	2	902011-3	LOCK WASHER, 5/16", GR8
26	2	900009-2	CAP SCREW, 5/16"-18 X 1" LG, GR8
27	1	905139-02	BEARING, 1" X 3/4" LG.
28	2	905139-01	BEARING, 7/8" X 3/4" LG.
29	2	906102-01	RUBBER O-RING (.912" I.D.)

MAIN ASSEMBLY-1 (GRIP STRUT PLATFORM)

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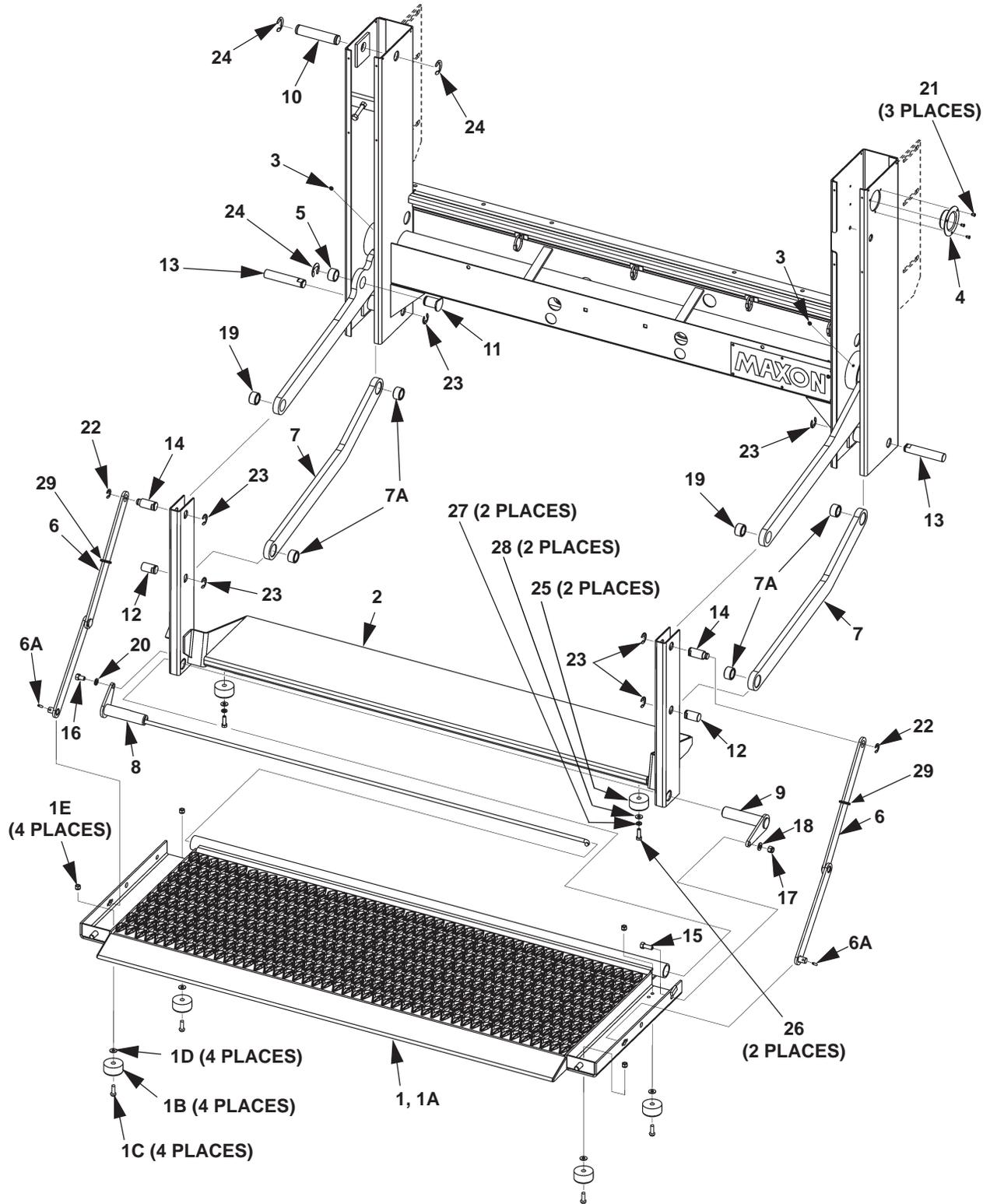
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	267632-02	MAIN FRAME, 59" WIDE (PICKUP BODY)
		267632-12	MAIN FRAME, 59" WIDE (SERVICE BODY)
		267632-11	MAIN FRAME, 54" WIDE (SERVICE BODY)
1A	1	900014-18	CAP SCREW, 3/8"-16 X 2-3/4" LG.
2	16	030444	TAP SCREW, #10-24 X 1/2" LG.
3	3	203216	GROMMET, 3/32" X 3/8" X 1-3/4"
4	2	203877	J-NUT, 5/16"-18
5	1	262610-01	TOP COVER ASSEMBLY, LH
5A	1	262622	LATCH
5B	1	262624	COMPRESSION SPRING
5C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
5D	1	901002	LOCKNUT, 3/8"-16
5E	1	902000-10	FLAT WASHER, 3/8"
6	1	262610-02	TOP COVER ASSEMBLY, RH
6A	1	262622	LATCH
6B	1	262624	COMPRESSION SPRING
6C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
6D	1	901002	LOCKNUT, 3/8"-16
6E	1	902000-10	FLAT WASHER, 3/8"
7	1	263761	FRONT COVER ASSEMBLY, LH
7A	3	904005-2	RIVET, 3/16" X 9/16" LG.
7B	1	263766	WEAR STRIP
7C	1	263767	BRACKET 19" LG
7D	1	902000-6	FLAT WASHER, #10
8	1	263762	FRONT COVER ASSEMBLY, RH
8A	3	904005-2	RIVET, 3/16" X 9/16" LG.
8B	1	263766	WEAR STRIP
8C	1	263767	BRACKET 19" LG
8D	1	902000-6	FLAT WASHER, #10
9	1	263770	MAXON PLATE
10	1	267520-03	MAIN HOUSING COVER (59" LG.)
		267520-02	MAIN HOUSING COVER (54" LG.)
11	2	900001-1	BUTTON SCREW, 5/16"-18 X 3/4" LG.
12	2	900009-3	CAP SCREW, 5/16"-18 X 3/4" LG.
13	2	902011-3	LOCK WASHER, 5/16"
14	6	904005-1	RIVET, 3/16" X 7/16" LG.
15	6	908081-08	PLUG (FOR 1-1/2" HOLE)

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MAIN ASSEMBLY-2 (GRIP STRUT PLATFORM)

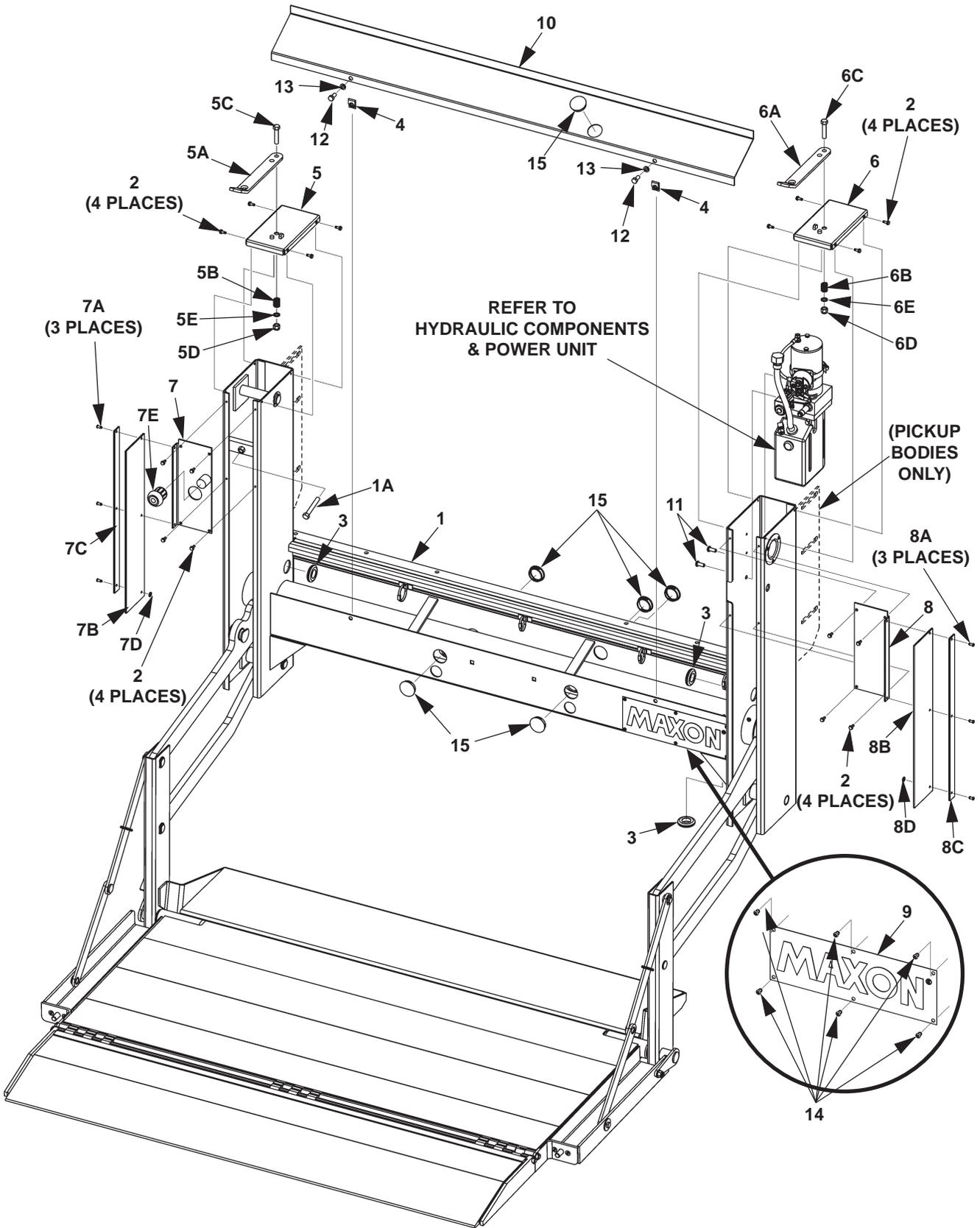
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ITEM	QTY	PART NO.	DESCRIPTION
1	1	281860-02	PLATFORM ASSY, GRIP STRUT (54" LG.)
		281860-01	PLATFORM ASSY, GRIP STRUT (49" LG.)
1A	1	267405-02	PLATFORM WELDMENT (54" LG.)
		267405-01	PLATFORM WELDMENT (49" LG.)
1B	4	905314-04	RUBBER BUMPER (WITH WASHER), 1" X 1/2"
1C	4	900722-05	BUTTON SCREW, #10-24 X 3/4" LG. (STAINLESS STEEL)
1D	4	902000-6	FLAT WASHER, #10 X 1/16" THK
1E	4	901003	LOCK NUT, NYLON, #10-24
2	1	266358-04	THRESHOLD WELDMENT (55-5/8" LG.)
		266358-03	THRESHOLD WELDMENT (50-5/8" LG.)
3	2	224342	GREASE FITTING, 1/4"-28
4	1	226598	RECESSED SWITCH PLATE
5	1	905139-02	BEARING, 1" X 3/4" LG.
6	2	262589	LINK ASSEMBLY
6A	1	905015	ROLL PIN, 3/16"
7	2	262595	LOWER ARM ASSEMBLY
7A	2	905139-01	BEARING, 7/8" X 3/4" LG.
8	1	264717	TORSION BAR WELDMENT (59" LG.)
		262625-01	TORSION BAR WELDMENT (54" LG.)
9	1	262626	PIN WELDMENT
10	1	262633	PIN, CYLINDER UPPER (4-3/4" LG.)
11	1	262679	PIN, CYLINDER LOWER (1-1/2" LG.)
12	2	267657-01	PIN, LOWER ARM (1-5/8" LG.)
13	2	267657-02	PIN, LOWER ARM-TOWER (4-1/2" LG.)
14	2	267658-01	PIN, UPPER ARM (2-1/8" LG.)
15	1	900014-5	CAP SCREW, 3/8"-16 X 1-1/4" LG.
16	1	900014-12	CAP SCREW, 3/8"-16 X 5/8" LG.
17	1	901002	LOCK NUT, 3/8"-16
18	1	902001-2	FLAT WASHER, 3/8"
19	2	905139-01	BEARING, 7/8" X 3/4" LG.
20	1	902011-4	FLAT WASHER, 3/8"
21	3	904005-1	RIVET, 3/16"
22	2	905138-08	E RING, 5/8"
23	6	905138-10	E RING, 3/4"
24	3	905138-13	E RING, 1"
25	2	253516	RUBBER BUMPER, 1" X 2"
26	2	900009-2	CAP SCREW, 5/16"-18 X 1" LG, GR8
27	2	902011-3	LOCK WASHER, 5/16", GR8
28	2	902002-1	FLAT WASHER, 5/16" X 1/16" THK.
29	2	906102-01	RUBBER O-RING (.912" I.D.)

MAIN ASSEMBLY-1 (ALUMINUM PLATFORM)



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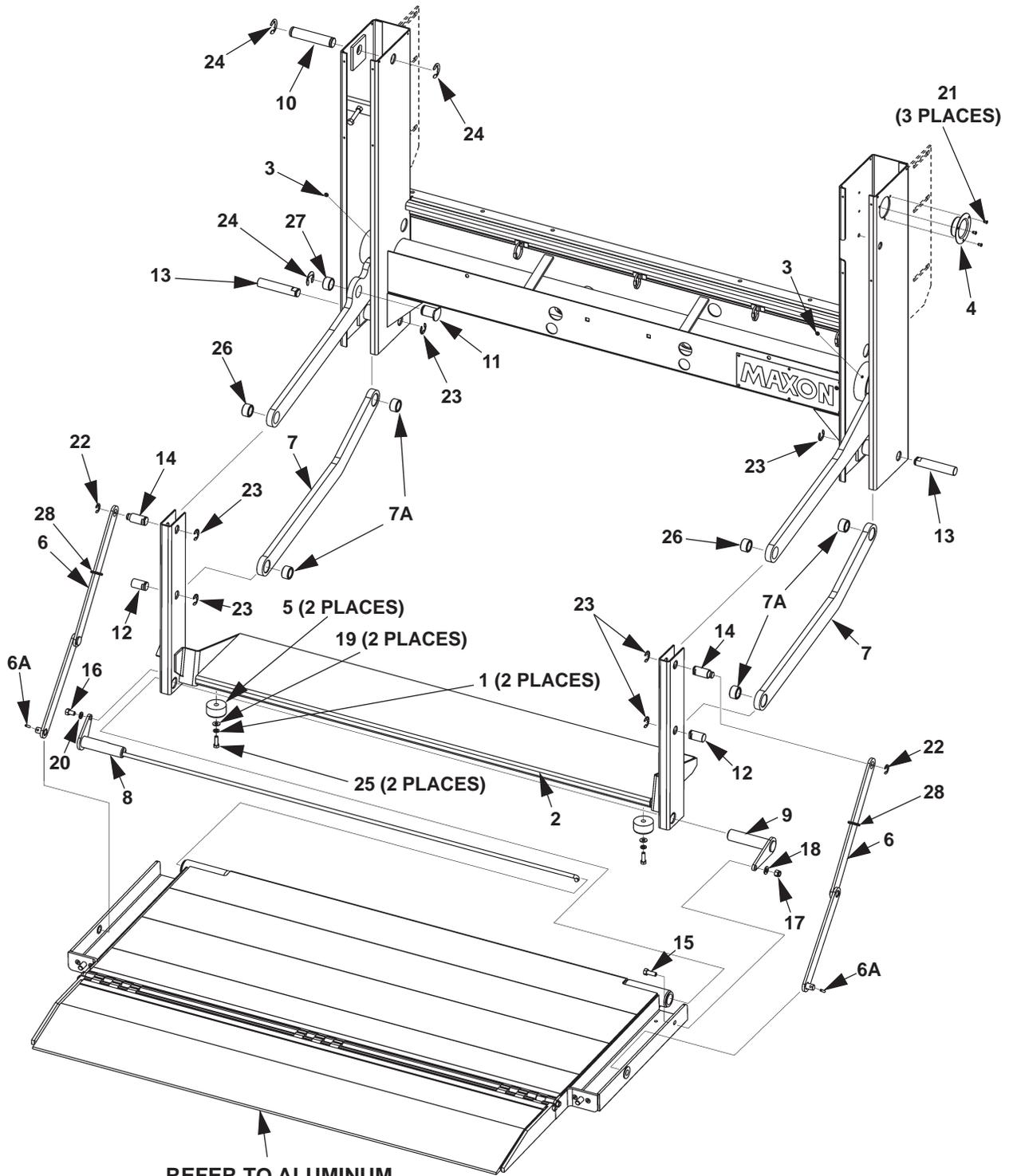
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ITEM	QTY.	PART NO.	DESCRIPTION
1	1	267632-02	MAIN FRAME, 59" WIDE (PICKUP BODY)
		267632-12	MAIN FRAME, 59" WIDE (SERVICE BODY)
		267632-11	MAIN FRAME, 54" WIDE (SERVICE BODY)
1A	1	900014-18	CAP SCREW 3/8"-16 X 2-3/4" LG.
2	16	030444	TAP SCREW, #10-24 X 1/2" LG.
3	3	203216	GROMMET, 3/32" X 3/8" X 1-3/4"
4	2	203877	J-NUT, 5/16"-18
5	1	262610-01	TOP COVER ASSEMBLY, LH
5A	1	262622	LATCH
5B	1	262624	COMPRESSION SPRING
5C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
5D	1	901002	LOCKNUT, 3/8"-16
5E	1	902000-10	FLAT WASHER, 3/8"
6	1	262610-02	TOP COVER ASSEMBLY, RH
6A	1	262622	LATCH
6B	1	262624	COMPRESSION SPRING
6C	1	900014-7	CAP SCREW, 3/8"-16 X 1-3/4" LG.
6D	1	901002	LOCKNUT, 3/8"-16
6E	1	902000-10	FLAT WASHER, 3/8"
7	1	263761	FRONT COVER ASSEMBLY W/BUMPER, LH
7A	3	904005-2	RIVET, 3/16" X 9/16" LG.
7B	1	263766	WEAR STRIP
7C	1	263767	BRACKET 19" LG.
7D	1	902000-6	FLAT WASHER, #10
7E	1	253318-01	RUBBER CRUTCH TIP
8	1	263762	FRONT COVER ASSEMBLY, RH
8A	3	904005-2	RIVET, 3/16" X 9/16" LG.
8B	1	263766	WEAR STRIP
8C	1	263767	BRACKET 19" LG.
8D	1	902000-6	FLAT WASHER, #10
9	1	263770	MAXON PLATE
10	1	267520-03	MAIN HOUSING COVER (59" LG.)
		267520-02	MAIN HOUSING COVER (54" LG.)
11	2	900001-1	BUTTON SCREW, 5/16"-18 X 3/4" LG.
12	2	900009-3	CAP SCREW, 5/16"-18 X 3/4" LG.
13	2	902011-3	LOCK WASHER, 5/16"
14	6	904005-1	RIVET, 3/16" X 7/16" LG.
15	6	908081-08	PLUG (FOR 1-1/2" HOLE)

MAIN ASSEMBLY-2 (ALUMINUM PLATFORM)

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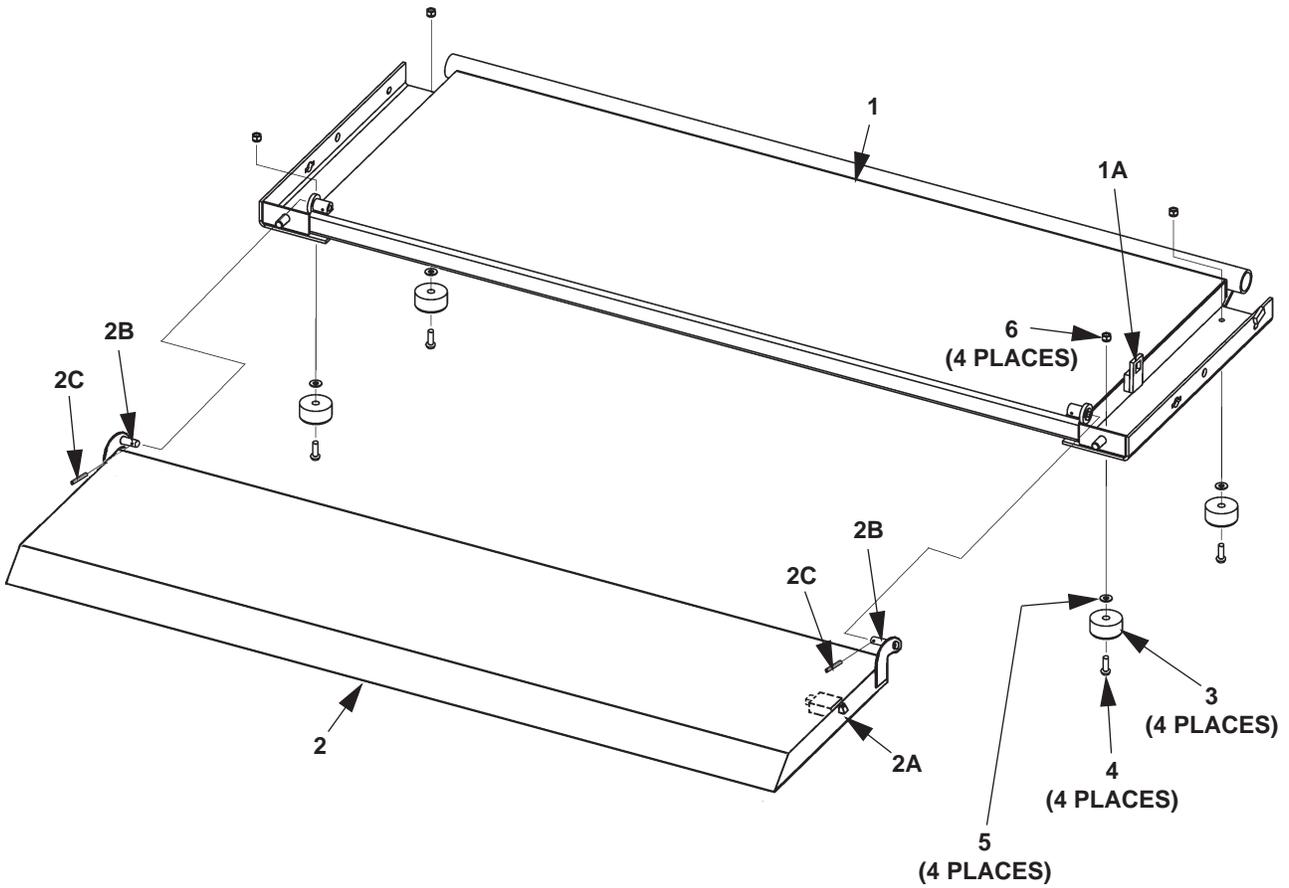
REFER TO ALUMINUM
PLATFORM AND FLIPOVER

ITEM	QTY	PART NO.	DESCRIPTION
1	2	902011-3	LOCK WASHER, 5/16"
2	1	266358-04	THRESHOLD WELDMENT (55-5/8" LG.)
		266358-03	THRESHOLD WELDMENT (50-5/8" LG.)
3	2	224342	GREASE FITTING, 1/4"-28
4	1	226598	RECESSED SWITCH PLATE
5	2	253516	RUBBER BUMPER, 2" X 1"
6	2	262589	LINK ASSEMBLY
6A	1	905015	ROLL PIN, 3/16"
7	2	262595	LOWER ARM ASSEMBLY
7A	2	905139-01	BEARING, 7/8" X 3/4" LG.
8	1	264717	TORSION BAR WELDMENT (59" LG.)
		262625-01	TORSION BAR WELDMENT (54" LG.)
9	1	262626	PIN WELDMENT
10	1	262633	PIN, CYLINDER UPPER (4-3/4" LG.)
11	1	262679	PIN, CYLINDER LOWER (1-1/2" LG.)
12	2	267657-01	PIN, LOWER ARM (1-5/8" LG.)
13	2	267657-02	PIN, LOWER ARM-TOWER (4-1/2" LG.)
14	2	267658-01	PIN, UPPER ARM (2-1/8" LG.)
15	1	900014-5	CAP SCREW, 3/8"-16 X 1-1/4" LG.
16	1	900014-12	CAP SCREW, 3/8"-16 X 5/8" LG.
17	1	901002	LOCK NUT, 3/8"-16
18	1	902001-2	FLAT WASHER, 3/8"
19	2	902002-1	FLAT WASHER, 5/16"
20	1	902011-4	FLAT WASHER, 3/8"
21	3	904005-1	RIVET, 3/16"
22	2	905138-08	E RING, 5/8"
23	6	905138-10	E RING, 3/4"
24	3	905138-13	E RING, 1"
25	2	900009-2	CAP SCREW, 5/16"-18 X 1" LG.
26	2	905139-01	BEARING, 7/8" X 3/4" LG.
27	1	905139-02	BEARING, 1" X 3/4" LG.
28	2	906102-01	RUBBER O-RING (.912" I.D.)

PLATFORM AND FLIPOVER (STEEL)

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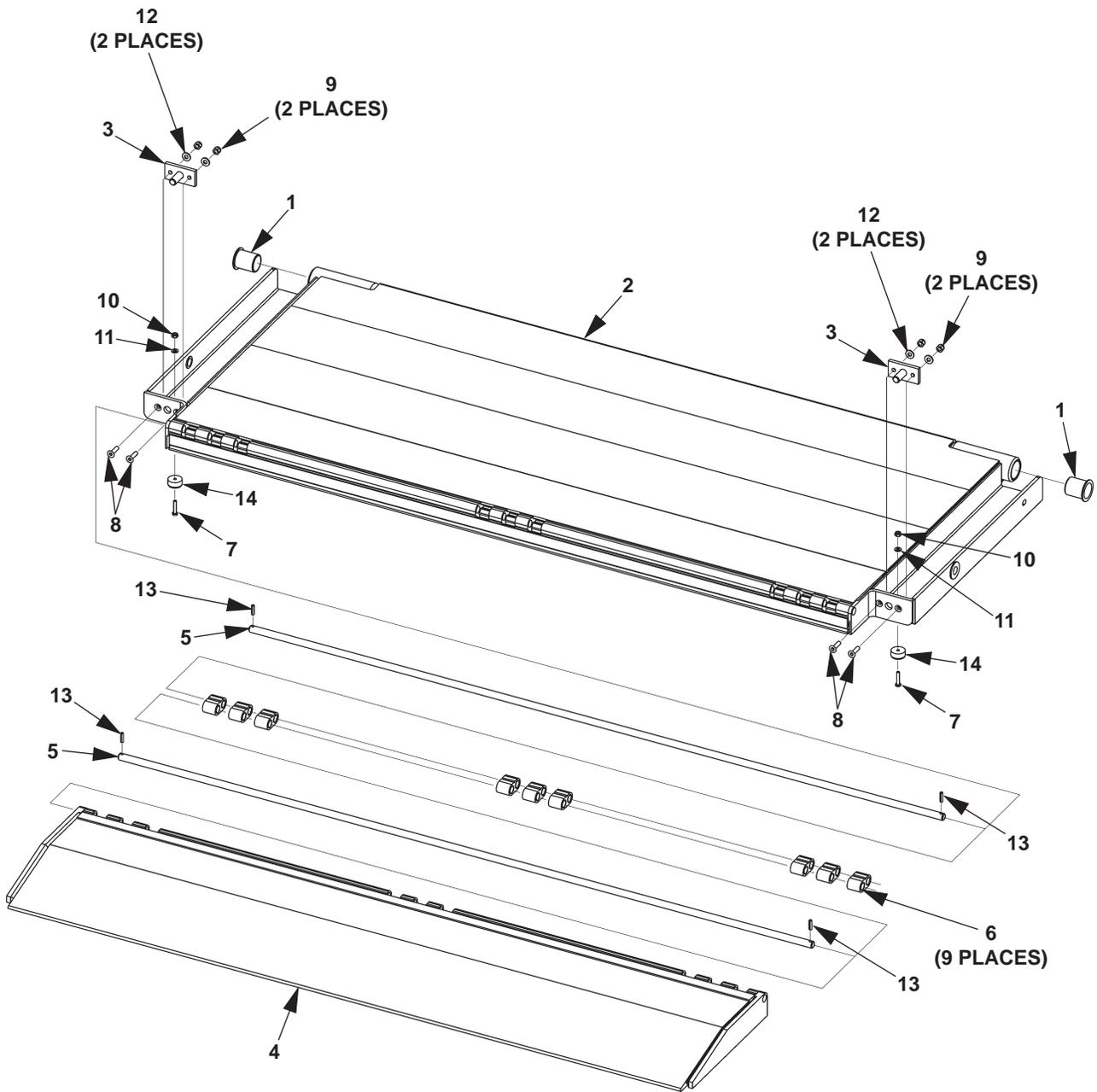


ITEM	QTY	PART NO.	DESCRIPTION
REF	1	282417-02	PLATFORM & FLIPOVER ASSY (54" X 30" + 12" + 3" RAMP)
		282417-01	PLATFORM & FLIPOVER ASSY (49" X 30" + 12" + 3" RAMP)
1	1	264706	PLATFORM, 54" LG.
		262602-01	PLATFORM, 49" LG.
1A	1	262620	CATCH (FOR FLIPOVER LATCH)
2	1	264711	FLIPOVER, 12" WITH RAMP (54" LG.)
		262603-04	FLIPOVER, 14" WITH RAMP (49 LG.)
2A	1	262670	LATCH ASSEMBLY
2B	1	263529	PIN, 1-3/4" LG.
2C	1	030406	ROLL PIN, 1/8' X 1" LG.
3	4	905314-04	RUBBER BUMPER (WITH WASHER), 1" X 1/2"
4	4	900722-05	BUTTON SCREW, #10-24 X 3/4" LG. (STAINLESS STEEL)
5	4	902000-6	FLAT WASHER, #10 X 1/16" THK.
6	4	901003	LOCK NUT, NYLON, #10-24

PLATFORM AND FLIPOVER (ALUMINUM)

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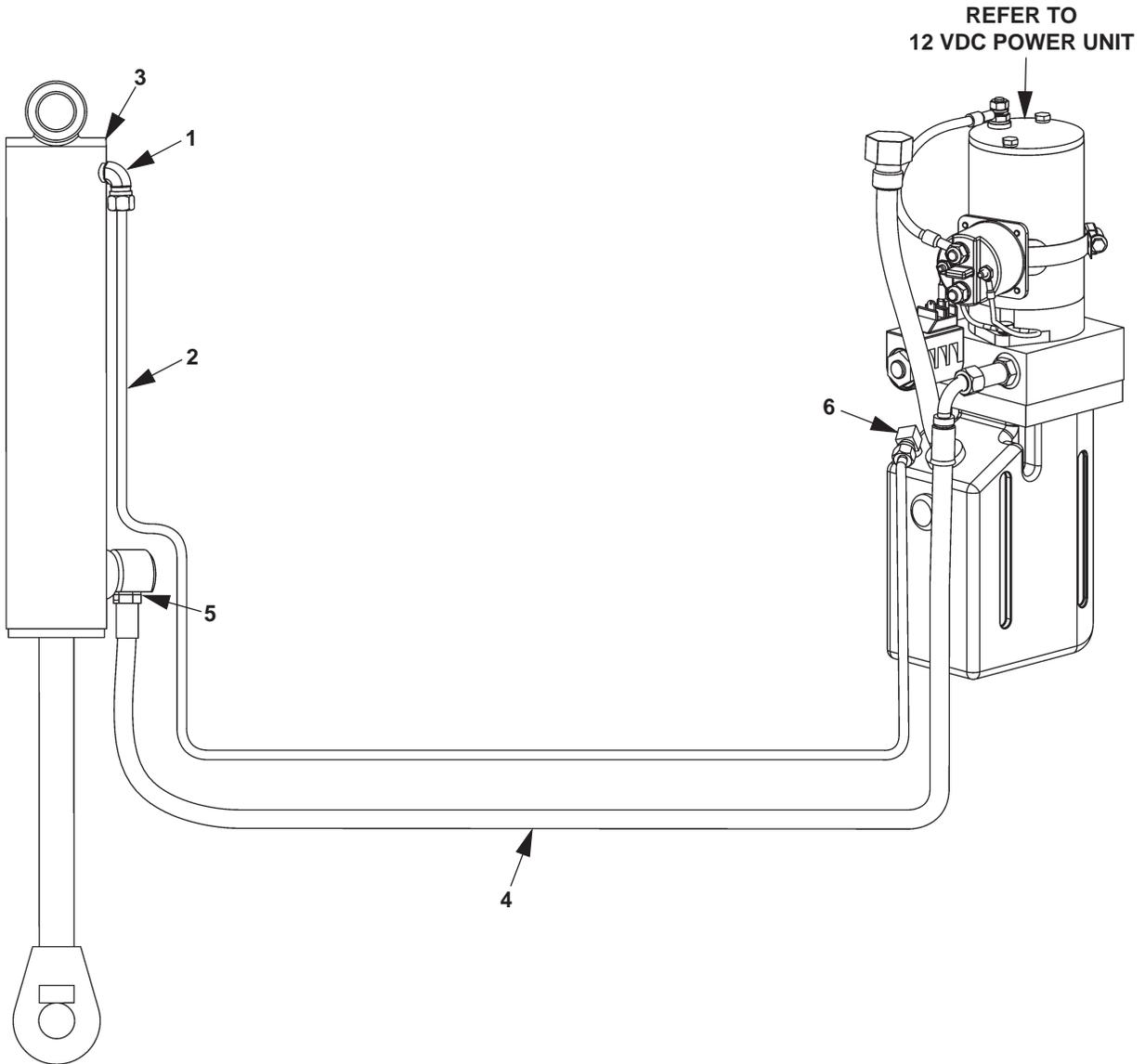


ITEM	QTY	PART NO.	DESCRIPTION
REF	1	266350-04	PLATFORM & FLIPOVER ASSY (54", 16" X 30" + 6" RAMP)
		266350-03	PLATFORM & FLIPOVER ASSY (49", 16" X 30" + 6" RAMP)
1	2	261837-12	FLANGE BUSHING
2	1	266342-04	PLATFORM WELDMENT (24" X 54")
		266342-03	PLATFORM WELDMENT (24" X 49")
3	2	266347-01	LATCH HOLDER WELDMENT
4	1	266349-04	FLIPOVER WELDMENT (54" LG, 16" X 6" + 6" RAMP)
		266349-03	FLIPOVER WELDMENT (49" LG, 16" X 6" + 6" RAMP)
5	2	266386-04	ROD, 56" LG. (54" LG. PLATFORM)
		266386-03	ROD, 50" LG. (49" LG. PLATFORM)
6	9	280109	HINGE ASSEMBLY
7	2	900007-7	PAN HEAD SCREW, #10-24 X 1" LG.
8	4	900044-6	SOCKET SCREW, 1/4"-20 X 1" LG.
9	4	901000	LOCK NUT, 1/4"-20
10	2	901003	LOCK NUT, #10-24
11	2	902000-6	FLAT WASHER, #10
12	4	902013-09	FLAT WASHER, 1/4"
13	4	905015-1	ROLL PIN, 3/16"
14	2	905314-04	RUBBER BUMPER (WITH WASHER) 1" X 1/2"

HYDRAULIC COMPONENTS

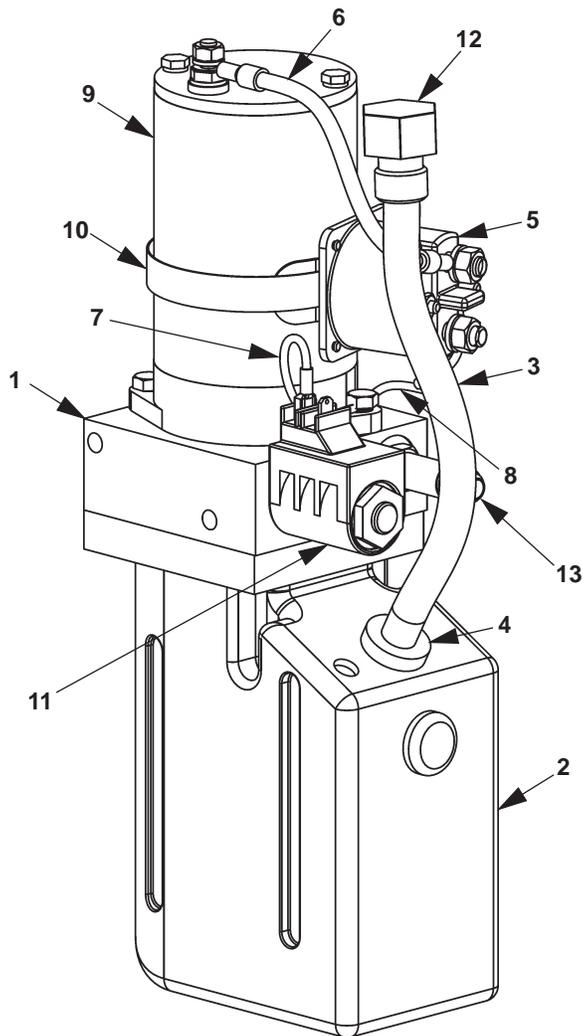
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ITEM	QTY	PART NO.	DESCRIPTION
1	1	202406	ELBOW BRASS, 1/4" X 1/4"
2	1	224370-18	PLASTIC HOSE, 1/4" O.D. ,95" LG.
3	1	262680	CYLINDER (1" DIA. ROD, 10" STROKE)
4	1	262913-02	HOSE ASSEMBLY, 1/4" HP, JIC #6 (F-F), 102-5/16" LG.
5	1	262916	CONNECTOR, STRAIGHT, O-RING, SAE #6 & JIC #6
6	1	905142-03	BRASS FIT ELBOW, 1/4" X 1/8"

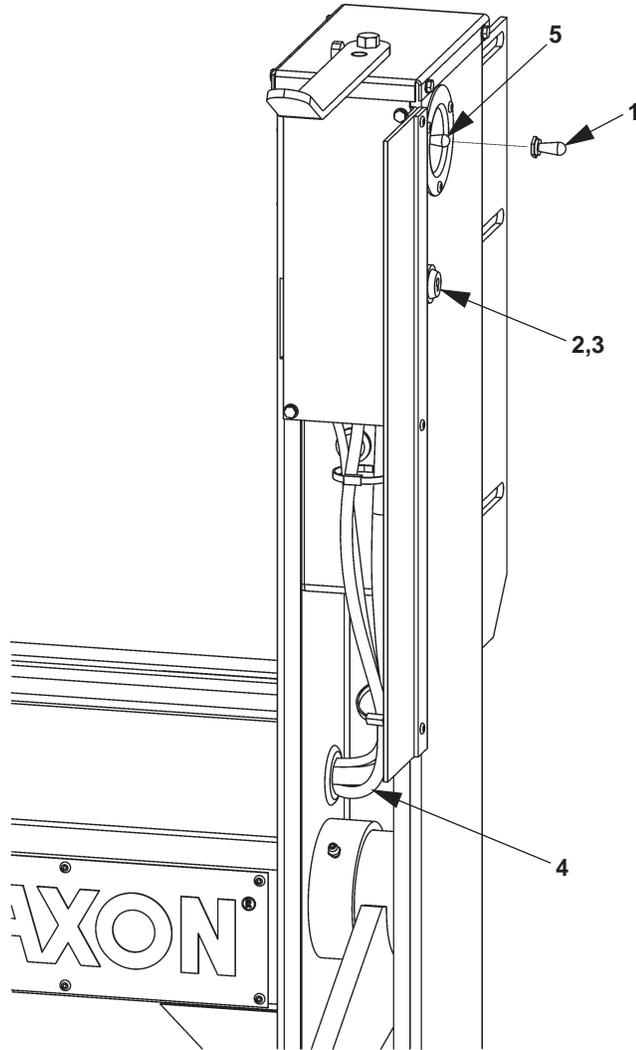
12 VDC POWER UNIT



ITEM	QTY	PART NO.	DESCRIPTION
1	1	262682-01	PUMP BLOCK
2	1	262682-05	RESERVOIR (1 QT.)
3	1	262682-08	PLASTIC TUBING, 3/8" I.D.
4	1	262682-09	FITTING
5	1	262682-11	SOLENOID SWITCH, 12 VDC, 4 POST
6	1	262682-12	WIRE ASSY, MOTOR/SOLENOID SW
7	1	262682-13	WIRE ASSY
8	1	262682-14	WIRE ASSY
9	1	265118	12VDC, 1-TERMINAL MOTOR
10	1	265123	CLAMP, SOLENOID SWITCH
11	1	265125	SOLENOID VALVE, 12VDC, 2 WIRE-2 POLE
12	1	266970-01	FILLER BREATHER
13	1	905214	FITTING, STRAIGHT, O-RING, SAE#6 & JIC#6

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ELECTRICAL COMPONENTS



ITEM	QTY	PART NO.	DESCRIPTION
1	1	250876	RUBBER BOOT SEAL, SWITCH
2	1	262684-01	WIRE ASSEMBLY, 16GA X 7" LG, WHITE
3	1	263088	SWITCH-LOCK
4	1	263551-01	CABLE ASSEMBLY, 4 GA, 25 FT. LG.
5	1	280442-01	UP/DOWN HARNESS (WITH TOGGLE SWITCH)

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HYDRAULIC SYSTEM DIAGRAM

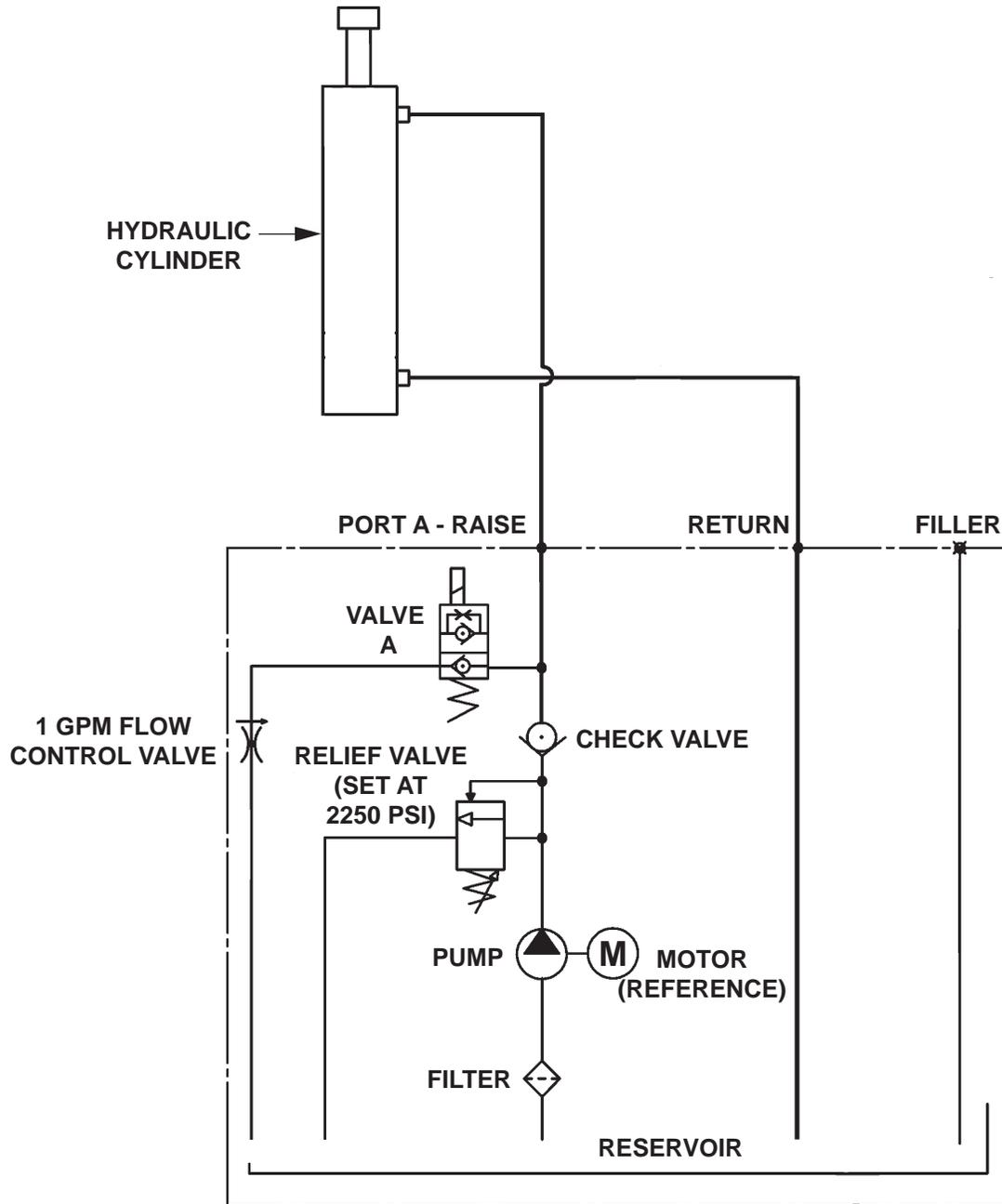


FIG. 59-1

ELECTRICAL SYSTEM DIAGRAM

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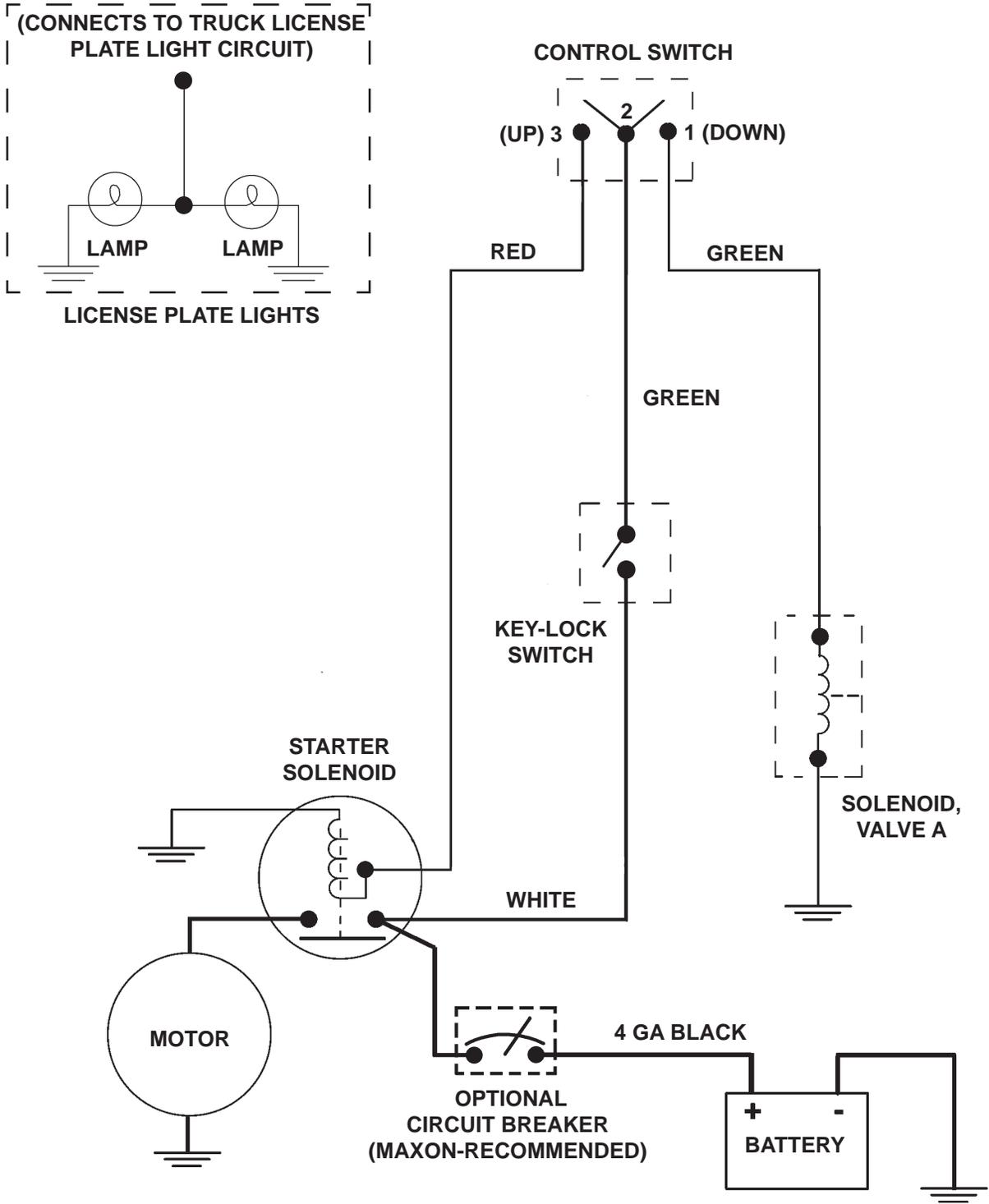


FIG. 60-1

RECOMMENDED BOLT TORQUES

CAUTION

The torque values in the following table are provided for torquing Grade 8 bolts on Liftgate mechanical parts. To prevent damage, never use the information in this table for torquing electrical or hydraulic hose connections on the Pump Assembly.

GRADE 8 BOLT TIGHTENING TORQUE	
DIAMETER & THREAD PITCH	TORQUE
1/4"-20	10-14 LBS.-FT.
1/4"-28	11-16 LBS.-FT.
5/16"-18	20-29 LBS.-FT.
5/16"-24	22-33 LBS.-FT.
3/8"-16	35-52 LBS.-FT.
3/8"-24	40-59 LBS.-FT.
7/16"-14	56-84 LBS.-FT.
7/16"-20	62-93 LBS.-FT.
1/2"-13	85-128 LBS.-FT.
1/2"-20	96-144 LBS.-FT.
9/16"-12	123-184 LBS.-FT.
9/16"-18	137-206 LBS.-FT.
5/8"-11	170-254 LBS.-FT.
5/8"-18	192-288 LBS.-FT.
3/4"-10	301-451 LBS.-FT.
3/4"-18	336-504 LBS.-FT.

TABLE 61-1

